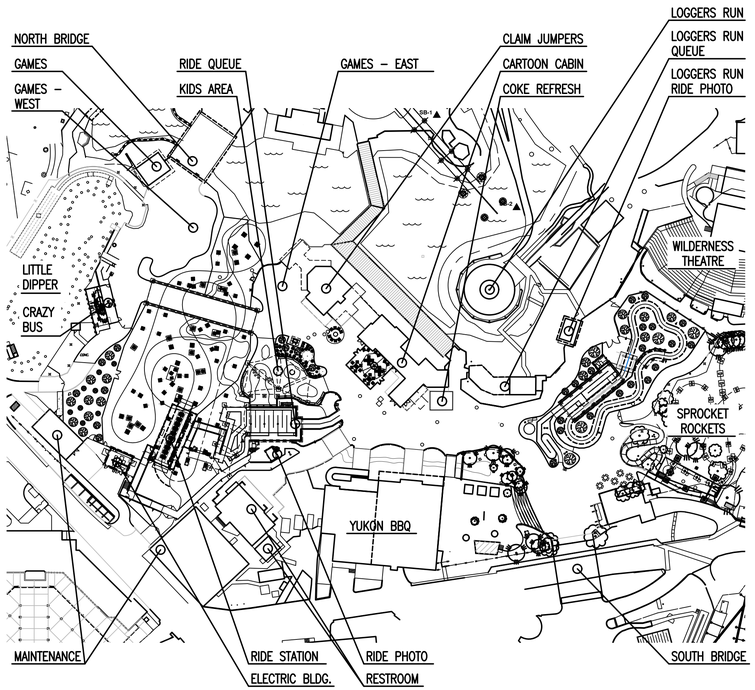

SITE PLAN
SCALE: NOT TO SCALE

NORTH

LOCATION PLAN
SCALE: NOT TO SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – PROJECT CANOE**
LOCATION:	SIX FLAGS GREAT AMERICA, 1 GREAT AMERICA PARKWAY GURNEE, ILLINOIS 60031
BUILDING CODE:	2024 ILLINOIS ENERGY CONSERVATION CODE 2023 ILLINOIS STRETCH ENERGY CODE 2024 INTERNATIONAL BUILDING CODE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2015 INTERNATIONAL PLUMBING CODE
SPRINKLERED:	NON SPRINKLERED
PRIMARY USE CLASS:	A–3, ASSEMBLY
CONSTRUCTION TYPE:	V–B, NON–COMBUSTIBLE, UNPROTECTED
ALLOWABLE BUILDING HEIGHT:	40 FEET
ALLOWABLE BUILDING STORIES:	1 STORY
ALLOWABLE BUILDING AREA:	6,000 SF

PROJECT CANOE PACKAGE

ISSUE DATE	DESCRIPTION
06–05–26	SFGM – COASTER 2027
06–05–26	SFGM – PONY TREK
06–05–26	SFGM – CRAZY BUS
06–05–26	SFGM – KIDS AREA AND MIDWAY
06–05–26	SFGM – EXISTING BUILDINGS

Six Flags GREAT AMERICA

SFGM - PROJECT CANOE

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8927 Rossash Road
Cincinnati, OH 45236

513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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4850 Grand Avenue
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(847) 336-7100

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Cincinnati, OH 45202
(800) 542-3302

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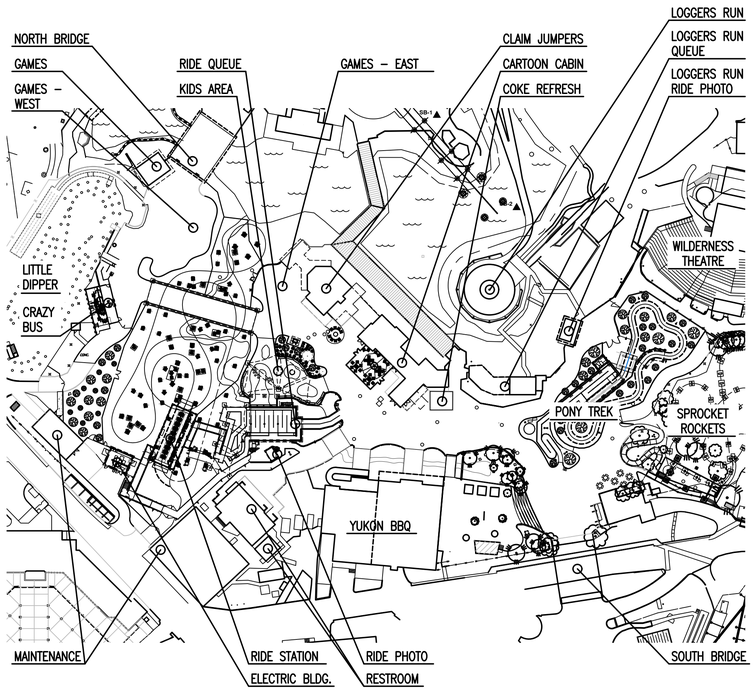
311 Elm Street, Suite 600
Cincinnati, OH 45202
(513) 381-2112

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STALLWORTH
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SFGM – PROJECT CANOE #225093



SITE PLAN

SCALE: NOT TO SCALE

NORTH

LOCATION PLAN

SCALE: NOT TO SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – COASTER 2027**
PROJECT DESCRIPTION:	CONSTRUCTION OF RIDE QUEUE, RIDE STATION, AND RIDE ELECTRICAL BUILDINGS WITH ASSOCIATED SCENIC RIDE ELEMENTS
LOCATION:	SIX FLAGS GREAT AMERICA, 1 GREAT AMERICA PARKWAY GURNEE, ILLINOIS 60031
BUILDING CODE:	2024 ILLINOIS ENERGY CONSERVATION CODE 2023 ILLINOIS STRETCH ENERGY CODE 2024 INTERNATIONAL BUILDING CODE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2015 INTERNATIONAL PLUMBING CODE
SPRINKLERED:	NON SPRINKLERED
PRIMARY USE CLASS:	A–3, ASSEMBLY
CONSTRUCTION TYPE:	V–B, NON–COMBUSTIBLE, UNPROTECTED
ALLOWABLE BUILDING HEIGHT:	40 FEET
ALLOWABLE BUILDING STORIES:	1 STORY
ALLOWABLE BUILDING AREA:	6,000 SF

RIDE QUEUE:

ACTUAL BUILDING HEIGHT:	19.5 FEET
ACTUAL BUILDING STORIES:	1 STORY
ACTUAL BUILDING AREA:	1,822 SF
ACTUAL OCCUPANT LOAD:	ASSEMBLY – STANDING SPACE (5SF NET) REGULAR LANE – 938.8 SF / 5SF (PER PERSON) = 188 OCC. FAST LANE – 286 SF / 5SF (PER PERSON) = 58 OCC. ASSEMBLY – CONCENTRATED (7SF NET) COVERED SEATING – 325 SF / 7SF (PER PERSON) = 47 OCC. TOTAL OCCUPANTS – 293 OCCUPANTS TOTAL

RIDE STATION:

ACTUAL BUILDING HEIGHT:	28.25 FEET
ACTUAL BUILDING STORIES:	1 STORY
ACTUAL BUILDING AREA:	1473 SF
ACTUAL OCCUPANT LOAD:	LOADED RIDE CART – 20 OCCUPANTS MAXIMUM QUEUE LANES – 20 OCCUPANTS MAXIMUM RIDE OPERATORS – 2 OCCUPANTS TOTAL OCCUPANTS – 42 OCCUPANTS TOTAL

ELECTRICAL BUILDING:

ACTUAL BUILDING HEIGHT:	15 FEET
ACTUAL BUILDING STORIES:	1 STORY
ACTUAL BUILDING AREA:	414 SF
OCCUPANT LOAD:	MECHANICAL EQUIPMENT ROOM (300SF NET) 414 SF / 300 SF (PER PERSON) = 2 OCC. TOTAL

REQUIRED RESTROOMS: EXISTING ACCESSIBLE RESTROOMS ARE PROVIDED WITHIN 500 FEET PER SECTION 2902.3.3. REFER TO SHEET AC–1.0 FOR RESTROOM INFORMATION. THE EXISTING RESTROOMS ARE ON AN ACCESSIBLE ROUTE. NO ADDITIONAL OCCUPANTS ARE BEING ADDED TO THE FACILITY. EXISTING QUEUE AND SERVING AREAS ARE BEING MOVED INDOORS FOR BETTER SERVICE AND COMFORT. ADDITIONAL RESTROOM CAPACITY IS NOT REQUIRED.

NOTE: THE FOLLOWING COMPONENTS ARE TO BE APPROVED AS DEFERRED SUBMITTALS:

- 4–POINT HYPAR SAILS

2021 INTERNATIONAL BUILDING CODE – SECTION 1103.2.2

SPACES AND ELEMENTS WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTIONS 907.5.2.3.1, 1009, AND 1104.3.1 AND SHALL BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT THE WORK AREA. WORK AREAS, OR PORTIONS OF WORK AREAS, OTHER THAN RAISED COURTROOM STATIONS IN ACCORDANCE WITH SECTION 1109.4.1.4, THAT ARE LESS THAN 300 SQUARE FEET (30 m^2) IN AREA AND LOCATED 7 INCHES (178 mm) OR MORE ABOVE OR BELOW THE GROUND OR FINISHED FLOOR WHERE THE CHANGE IN ELEVATION IS ESSENTIAL TO THE FUNCTION OF THE SPACE SHALL BE EXEMPT FROM ALL REQUIREMENTS.

DRAWING INDEX

CIVIL ENGINEERING

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	2–C–0.0	GENERAL NOTES AND SYMBOLS
06–05–26	2–C–0.1	EXISTING CONDITIONS PLAN
06–05–26	2–C–1.0	OVERALL SITE PLAN
06–05–26	2–C–1.1	SITE PLAN – SOUTH
06–05–26	2–C–1.2	SITE PLAN – NORTH
06–05–26	2–C–1.3	GRADING PLAN – SOUTH
06–05–26	2–C–1.4	GRADING PLAN – NORTH
06–05–26	2–C–2.0	DETAIL SHEET

STRUCTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	S–0.0	GENERAL NOTES
06–05–26	S–0.1	GENERAL NOTES
06–05–26	S–0.2	GENERAL NOTES
06–05–26	S–0.3	SPECIAL INSPECTIONS AND TESTS
06–05–26	S–0.4	SPECIAL INSPECTIONS AND TESTS
06–05–26	S–0.5	ABBREVIATIONS, SYMBOLS AND 3D VIEWS
06–05–26	S–1.0	FOUNDATION PLAN – QUEUE BUILDING
06–05–26	S–1.1	ROOF FRAMING PLAN – QUEUE BUILDING
06–05–26	S–1.2	FOUNDATION & PLATFORM PLAN – RIDE STATION
06–05–26	S–1.3	ROOF FRAMING PLAN – RIDE STATION
06–05–26	S–1.4	FOUNDATION PLAN – ELECTRIC BUILDING
06–05–26	S–1.5	RAMP FOUNDATION PLANS
06–05–26	S–1.6	RAMP FRAMING PLANS
06–05–26	S–2.0	TYPICAL CONCRETE DETAILS
06–05–26	S–2.1	QUEUE BUILDING CONCRETE DETAILS
06–05–26	S–2.2	STATION CONCRETE DETAILS
06–05–26	S–2.3	ELECTRICAL BUILDING CONCRETE DETAILS
06–05–26	S–2.4	RAMP DETAILS
06–05–26	S–2.5	FENCE/GATE DETAILS
06–05–26	S–3.0	TYPICAL STEEL DETAILS
06–05–26	S–4.0	TYPICAL WOOD DETAILS
06–05–26	S–5.0	QUEUE BUILDING FRAMING DETAILS
06–05–26	S–5.1	QUEUE BUILDING FRAMING DETAILS
06–05–26	S–5.2	QUEUE BUILDING FRAMING DETAILS
06–05–26	S–5.3	STATION FLOOR FRAMING DETAILS
06–05–26	S–5.4	STATION ROOF FRAMING DETAILS
06–05–26	S–5.5	ELECTRIC BUILDING FRAMING DETAILS

STRUCTURAL – SCHAEFER

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	2–S0.1	GENERAL NOTES
06–05–26	2–S1.1	SITE PLAN
06–05–26	2–S1.2	FOUNDATION PLAN
06–05–26	2–S2.1	FOUNDATION & WOOD FRAMING DETAILS & SECTIONS

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	CVR	COVER SHEET
06–05–26	2–AC–1.0	SITE ACCESSIBILITY
06–05–26	2–A–0.1	GENERAL NOTES AND ABBREVIATIONS
06–05–26	2–A–0.2	COMCHECK – RIDE OPERATOR
06–05–26	2–A–0.3	COMCHECK – RIDE OPERATOR
06–05–26	2–A–0.4	COMCHECK – ELECTRIC BUILDING
06–05–26	2–A–0.5	COMCHECK – ELECTRIC BUILDING
06–05–26	2–A–1.0	AREA SITE PLAN
06–05–26	2–A–1.0A	AREA SITE PLAN – LOW ZONE PLAN
06–05–26	2–A–1.1	ENLARGED SITE PLAN – SOUTH
06–05–26	2–A–1.2	ENLARGED SITE PLAN – NORTH
06–05–26	2–A–1.3	QUEUE AREA PLAN
06–05–26	2–A–1.4	QUEUE BUILDING + RIDE PHOTO – FLOOR PLAN, ROOF PLAN, AND PLAN DETAILS
06–05–26	2–A–1.5	RIDE STATION – FOUNDATION AND FLOOR PLAN
06–05–26	2–A–1.6	RIDE STATION – SLOPE PLAN, ROOF PLAN, AND PLAN DETAILS
06–05–26	2–A–1.7	DOOR SCHEDULE AND ELECTRIC BUILDING PLANS
06–05–26	2–A–1.8	QUEUE AREA SHADE PLANS
06–05–26	2–A–2.1	QUEUE STRUCTURE EXTERIOR ELEVATIONS AND EXTERIOR SELECTION SCHEDULE
06–05–26	2–A–2.2	RIDE STATION EXTERIOR SELECTION SCHEDULE
06–05–26	2–A–2.3	RIDE STATION EXTERIOR ELEVATIONS
06–05–26	2–A–2.4	ELECTRIC BUILDING EXTERIOR ELEVATIONS AND EXTERIOR SELECTION SCHEDULE
06–05–26	2–A–2.5	FENCE DETAILS
06–05–26	2–A–2.6	FENCE DETAILS
06–05–26	2–A–2.7	GATE DETAILS
06–05–26	2–A–2.8	GATE AND RIDE SIGNAGE DETAILS
06–05–26	2–A–2.9	CANOPY ELEVATIONS AND POST LIGHTING DETAILS
06–05–26	2–A–3.1	QUEUE STRUCTURE – SECTIONS
06–05–26	2–A–3.2	QUEUE STRUCTURE – SECTIONS
06–05–26	2–A–3.3	RIDE STATION – SECTIONS
06–05–26	2–A–3.4	RIDE STATION – SECTIONS
06–05–26	2–A–3.5	ELECTRIC BUILDING AND RIDE STATION – SECTIONS
06–05–26	2–A–4.1	REFLECTED CEILING PLANS
06–05–26	2–A–5.1	QUEUE BUILDING INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE
06–05–26	2–A–5.2	RIDE STATION AND OPERATOR BOOTH INTERIOR ELEVATIONS
06–05–26	2–A–6.1	ENLARGED SITE PLAN – RAMPS
06–05–26	2–A–6.2	ENLARGED RAMP PLANS
06–05–26	2–A–6.3	RAMP FOUNDATION PLANS
06–05–26	2–A–6.4	RAMP AND STAIR SECTIONS
06–05–26	2–A–6.5	RAMP ELEVATIONS

PLUMBING

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	2–FP–1.5	ELECTRIC BUILDING FIRE PROTECTION PLAN
06–05–26	2–P–0.0	PLUMBING SCHEDULES AND LEGENDS
06–05–26	2–P–1.5	RIDE STATION PLUMBING PLAN
06–05–26	2–P–1.6	ELECTRIC BUILDING AREA PLUMBING PLAN
06–05–26	2–P–1.7	PLUMBING ISOMETRICS

MECHANICAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	2–M–0.0	MECHANICAL SCHEDULES AND LEGENDS
06–05–26	2–M–1.0	HVAC PLAN
06–05–26	2–M–2.0	ELECTRIC BUILDING – COMCHECK
06–05–26	2–M–2.1	ELECTRIC BUILDING – COMCHECK
06–05–26	2–M–2.2	RIDE OPERATOR BOOTH – COMCHECK
06–05–26	2–M–2.3	RIDE OPERATOR BOOTH – COMCHECK

ELECTRICAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06–05–26	2–E–0.0	ELECTRICAL LEGENDS
06–05–26	2–E–0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
06–05–26	2–E–1.0	ELECTRICAL SITE PLAN
06–05–26	2–E–1.1	ENLARGED ELECTRICAL SITE PLAN – SOUTH
06–05–26	2–E–1.2	ENLARGED ELECTRICAL SITE PLAN – NORTH
06–05–26	2–E–1.3	QUEUE AREA ELECTRICAL PLAN
06–05–26	2–E–1.4	QUEUE BUILDING + RIDE PHOTO ELECTRICAL PLAN
06–05–26	2–E–1.5	RIDE STATION ELECTRICAL PLANS
06–05–26	2–E–1.6	ELECTRIC BUILDING ELECTRICAL PLAN
06–05–26	2–E–1.7	ENLARGED BRIDGE ELECTRICAL PLAN
06–05–26	2–E–2.0	SYSTEMS SITE PLAN
06–05–26	2–E–2.1	ENLARGED SYSTEMS SITE PLAN – SOUTH
06–05–26	2–E–2.2	ENLARGED SYSTEMS SITE PLAN – NORTH
06–05–26	2–E–3.0	COASTER ELECTRICAL SITE PLAN
06–05–26	2–E–3.1	COASTER ELECTRICAL STATION PLAN
06–05–26	2–E–3.2	COASTER MOTOR SCHEDULES
06–05–26	2–E–3.3	COASTER CABLE SCHEDULES
06–05–26	2–E–3.4	COASTER CABLE SCHEDULES
06–05–26	2–E–3.5	COASTER CABLE SCHEDULES
06–05–26	2–E–4.0	PANEL SCHEDULES
06–05–26	2–E–5.0	ELECTRICAL DETAILS
06–05–26	2–E–5.1	ELECTRICAL DETAILS
06–05–26	2–E–5.2	ELECTRICAL DETAILS
06–05–26	2–E–6.0	ELECTRICAL SINGLE LINE DIAGRAM
06–05–26	2–E–7.0	COMCHECK
06–05–26	2–E–7.1	COMCHECK

Six Flags GREAT AMERICA

SFGM - COASTER 2027

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8927 Rossash Road
Cincinnati, OH 45236

513-891-9950 PHONE
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ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROBERT STEVEN ROSS
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

SFGM – COASTER 2027 #225093–2

LEGEND

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		STORM INLET
		STORM DOUBLE INLET
		FLARED END SECTION
		DOWNSPOUT
		SANITARY MANHOLE
		SANITARY/STORM CLEANOUT
		UNKNOWN MANHOLE
		WATER VALVE
		HYDRANT
		WELL
		SPRINKLER HEAD
		SPRINKLER BOX
		WATER METER
		WATER SERVICE
		POWER POLE
		POWER POLE W/ LIGHT
		POWER POLE W/ METER
		GUY WIRE
		GUY POLE
		ELECTRIC MANHOLE
		ELECTRIC PEDESTAL/TRANSFORMER
		ELECTRIC METER
		TELEPHONE POLE
		TELEPHONE MANHOLE
		TELEPHONE PEDESTAL
		CABLE TV PEDESTAL
		UTILITY MANHOLE
		UTILITY MARKER
		HANDHOLE
		GAS VALVE
		GAS METER
		AIR CONDITIONING UNIT
		LIGHT POLE
		VAPOR LIGHT
		LIGHT JUNCTION BOX
		TRAFFIC SIGNAL
		TRAFFIC CANTILEVER
		TRAFFIC SIGNAL CONTROLLER
		MAIL BOX
		SIGN
		FLAGPOLE
		POST/BOLLARD
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		CONTROL POINT
		BENCHMARK
		SOIL BORING HOLE
		R.O.W. MARKER, FOUND
		RAILROAD SPIKE, FOUND
		REBAR, FOUND
		CHISELED "X" IN CONCRETE, FOUND
		CHISELED "X" IN CONCRETE, SET
		REBAR WITH CAP #_____, FOUND
		5/8" REBAR WITH CAP #35-_____, SET
		1/2" SQ. PIN, FOUND
		P.K. NAIL, FOUND
		P.K. NAIL, SET
		PIPE, FOUND
		CONCRETE MONUMENT, FOUND
		SECTION CORNER
100.00'		MEASURED DIMENSION
(100.00')		RECORDED DIMENSION
×100.00		SPOT ELEVATION
TC=100.00 FL=100.00		GRADE LABEL
1.0%		DRAINAGE SLOPE
		LINE CONTINUATION
		CUT & CAP WATER LINE
		SURVEY BOUNDARY
		PROPERTY LINE
		CENTERLINE
		HISTORICAL LINE - AS NOTED
		EASEMENT LINE
		SECTION LINE
		R.O.W. LINE
		SETBACK LINE
		FORCE MAIN
		SANITARY SEWER
		STORM SEWER
		PIPE UNDERDRAIN
		WATER LINE
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		GAS LINE
		TELEVISION LINE
		TELEPHONE LINE
		FIBER OPTIC CABLE
		UTILITY LINE
		EDGE OF WATER LINE/DITCH FLOWLINE
		CHAIN LINK FENCE
		WIRE FENCE
		WOOD FENCE
		SILT FENCE
		GUARD RAIL
		CONTOUR
		TREE LINE
		TRACKS
		FLOOD PLAIN
		FLOODWAY
		CONSTRUCTION LIMITS
		TOPOGRAPHIC FEATURE AS NOTED
		ABANDONED WATER LINE

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RE-NOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.
2. THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT:
   A. STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE HIGHWAY STANDARDS.
   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.
   C. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO.
   D. THESE "GENERAL NOTES".
   E. ILLINOIS URBAN MANUAL
4. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND SECTION 107.14 OF THE HIGHWAY STANDARDS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
5. UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES. CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS.
6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE IN HIS POSSESSION ALL REQUIRED PERMITS FOR THE CONSTRUCTION OF THIS PROJECT AS NECESSARY (E.G. VILLAGE OF GURNEE, ETC.). THESE PERMITS WILL BE OBTAINED AS SPECIFIED IN THE "SPECIAL PROVISIONS". COORDINATE WITH OWNER FOR REQUIREMENTS.
7. ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO ANY PAVING OPERATION.
8. ALL PAVING OF BUTT JOINTS SHALL BE DONE AT THE SAME TIME AND SHALL BE DONE WITH A BITUMINOUS PAVING MACHINE.
9. THE CONTRACTOR SHALL PLACE WARNING SIGNS 48 HOURS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.
10. IF A PERIOD OF TEN CALENDAR DAYS ELAPSES AFTER THE PLACEMENT OF ANY BITUMINOUS COURSE, THE CONTRACTOR MAY BE REQUIRED TO PLACE ANOTHER PRIME COAT AT NO ADDITIONAL COST.
11. THE THICKNESS OF THE BITUMINOUS COURSES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE BITUMINOUS COURSE IS PLACED.
12. WHERE BITUMINOUS OVERLAYS ARE PLACED ON INTERSECTING STREETS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ALLOW A HOT JOINT BETWEEN THE TWO SURFACES; OR HE SHALL SAW CUT TO A MINIMUM DEPTH OF 1-1/2" TO PROVIDE A UNIFORM VERTICAL FACE AGAINST WHICH TO BUTT THE SUBSEQUENT SURFACE COURSE.
13. WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE. CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE
16. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT WILL BE ADJUSTED OR RECONSTRUCTED, SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE APPLICABLE UNIT PRICES.
17. THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. "DITCH CHECKS" AND/OR SILT FENCES, UNLESS OTHERWISE SPECIFIED, SHALL BE INSTALLED, IF NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
18. PLACEMENT OF TOPSOIL AND SEEDING OR SODDING SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER
19. UTILITY SERVICES TO RESIDENTS OR BUSINESSES WHICH ARE INTERRUPTED BY CONSTRUCTION SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR SO THAT NO SERVICE IS INTERRUPTED FOR MORE THAN FOUR (4) HOURS. IF TEMPORARY SERVICE IS REQUIRED, THE EXPENSE FOR SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
20. THE EDGES OF ALL IMPROVED SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO RESTORATION. ANY SAW CUTTING OF PAVEMENT PATCHES, BUTT JOINTS, CONCRETE CURBS, SIDEWALKS, OR ANY OTHER AREAS NECESSARY TO COMPLETE THIS PROJECT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
21. MANHOLE RIM ELEVATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. THESE ELEVATIONS ARE FOR INFORMATION ONLY, AND FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATIONS

STORM SEWER

POLYVINYL CHLORIDE PIPE (PVC)

CONFORMING TO ASTM D-3034, TYPE PSM, FOR SIZES FOUR (4) THROUGH FIFTEEN (15) INCHES, AND ASTM F679 FOR SIZES EIGHTEEN (18) THROUGH THIRTY-SIX (36) INCHES, HAVING AN SDR OF 35, AND WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM D-3212 AND ASTM F-477.

CIVIL ENGINEER
IMEG CORPORATION
GURNEE OFFICE

HARLAN M. DOLAND
ILLINOIS LICENSED PROFESSIONAL ENGINEER
NO. 062-048891
EXPIRATION DATE 11/30/27

TYPICAL CONSTRUCTION SEQUENCING

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
   A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
   B.) SILT FENCE INSTALLATION
   C.) STABILIZED CONSTRUCTION ENTRANCE
2. TREE/BRUSH REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. BEGIN SITE DEMOLITION
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL AND STOCKPILE TOPSOIL
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND THE TOE OF SLOPE)
7. BEGIN GRADING SITE
8. INSTALL UTILITIES (STORM SEWER, SANITARY, WATERMAIN, ETC)
9. TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
10. BEGIN CONSTRUCTION OF BUILDINGS/PARKING LOT.
11. PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
12. REMOVE ALL TEMPORARY SE/SC MEASURES ONCE THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION.
13. RESTORE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY SE/SC MEASURES.

** CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO PERFORM SOIL AND EROSION CONTROL INSPECTIONS/MAINTENANCE ONCE EVERY SEVEN CALENDAR DAYS AND AFTER EVERY 1/2 INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL EVENT.

SOIL EROSION/SEDIMENT CONTROL NOTES

A. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE AN INSPECTOR, INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEAURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND THE HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DE-WATERING DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DE-WATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DE-WATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DE-WATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMER OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

SITE RESTORATION

ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AS FOLLOWS:

A) TOPSOIL PLACEMENT, 4", CONFORMING TO SECTION 211 OF THE HIGHWAY STANDARDS.
B) SEEDING, CLASS 1, CONFORMING TO SECTION 250 OF THE HIGHWAY STANDARDS.
C) MULCH, METHOD 2 OR 3, OR EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE HIGHWAY STANDARDS.

SCALE	NTS
DATE	06-05-2026
DRAWN	PJR
FILE	#225033-2

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

GENERAL NOTES AND SYMBOLS

SFGM - COASTER 2027

SHEET NO.
2-C-0.0

#225033-2

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PROFESSIONAL ENGINEER
HOLLAND
062-048891
STONE, ILLINOIS

SHEET NO. 2-C-0.1

EXISTING CONDITIONS PLAN

SFGM - COASTER 2027

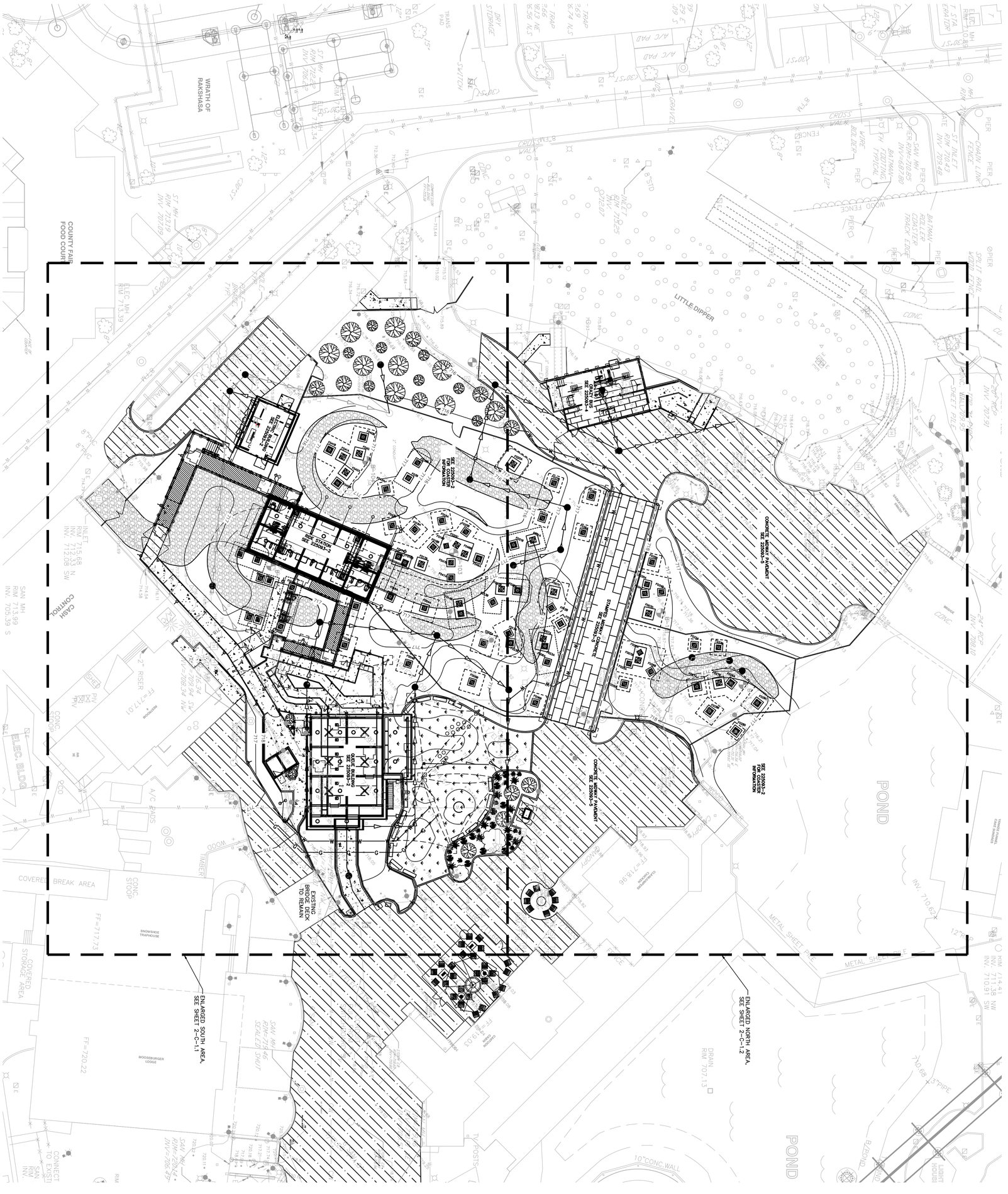
Six Flags Entertainment Corporation

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

REVISION	DESCRIPTION

SCALE	1"=20'
DATE	06-05-2026
DRAWN	PJR
FILE	#225093-2

#225093-2


WRATH OF RAKSHASA
COUNTY FAIR FOOD COURT
LITTLE DIPPER
CONCRETE SIDEWALK / PAVEMENT SEE SHEET 2-C-1.2 FOR DETAILS
SEE 225093-2 FOR COASTER SHEETS
SEE 225093-2 FOR COASTER SHEETS
SEE 225093-2 FOR COASTER SHEET

LEGEND

CONCRETE MIDWAY PAVEMENT

CONCRETE SIDEWALK

STAMPED MIDWAY CONCRETE

COMPACTED GRAVEL

ARTIFICIAL TURF

10 5 0 10 20

SCALE: 1" = 10'

45 LF 12" PVC STORM SEWER @ 1.00%

CONNECT TO STRUCTURE
INV=711.65

TY A INLET
TY 8 FRAME
RIM=715.59
INV=712.09

44 LF 12" PVC STORM SEWER @ 1.00%

CONNECT TO
EXISTING STRUCTURE
INV=711.78

22 LF 12" PVC STORM SEWER @ 1.00%

TY A INLET
TY 8 FRAME
RIM=715.00
INV=712.00

ALL COASTER PIERS:
T/PIER=718.00
FG=717.75

EXISTING BUILDING
FFE=716.50

ELECTRIC BUILDING
(SEE ARCHITECTURAL)
FFE=716.00

15 LF 6" PVC STORM SEWER @ 1.00%

ADJUST RIM=715.88

ADJUST RIM=715.78
INV=712.78

93 LF B6 CURB

25 LF 6" PVC STORM SEWER @ 1.00%

37 LF B6 CURB

TY A INLET
TY 8 FRAME
RIM=716.52
INV=714.02

56 LF 12" PVC STORM SEWER @ 1.00%

RELOCATE WATER LINE AS NEEDED
VERIFY SIZE, LOCATION, AND DEPTH

TY A INLET
TY 8 FRAME
RIM=716.58
INV=714.58

RIDE STATION
(SEE ARCHITECTURAL)
RIDE ELEVATION=723.31
RIDE ZERO=718.00
GRADE AT BLDG=717.50

TY A INLET
TY 8 FRAME
RIM=718.50
INV=714.87

29 LF 12" PVC STORM SEWER @ 1.00%

63 LF 12" PVC STORM SEWER @ 1.00%

EX RIM=715.85

INLET
RIM 715.68
INV. 712.33 N

40 LF 12" PVC STORM SEWER @ 1.00%

25 LF 12" PVC STORM SEWER @ 1.00%

KIDS PLAY AREA
SEE 225093-5

TY A INLET
TY 8 FRAME
RIM=717.27
INV=714.27

65 LF 12" PVC STORM SEWER @ 1.00%

55 LF 6" PVC STORM SEWER @ 1.00%
(ALL DOWNSPOUT CONNECTIONS ON
NORTH SIDE OF BLDG COMBINED)

DOWNSPOUT CONNECTION

DOWNSPOUT CONNECTION

QUEUE BUILDING
(SEE ARCHITECTURAL)
FFE=718.50

DOWNSPOUT CONNECTION

35 LF B6 CURB
(LIMITS END AT MIDWAY
SEE MIDWAY PACKAGE)

TY A INLET
TY 1 OL F&G
ADA COMPLIANT
RIM=718.23
INV=715.23

49 LF B6 CURB

EXISTING
BRIDGE DECK
TO REMAIN

ADJUST RIM=718.42

33 LF B6 CURB

17 LF B6 CURB

90 LF GAS LINE RELOCATION
VERIFY SIZE AND DEPTH

82 LF WATER LINE RELOCATION
VERIFY SIZE AND DEPTH

143 LF B6 CURB

A/C PADS

CONC.
STOOP

WOOD
TIMBER

2" RISER

FF=717.01

FF=717.73

SHED

PIV

PIV

ELEC MH
RIM 713.39

B-103

B-104

2" CONDUIT

1" C CONTROL

8" PVC

8" PVC

8" PVC

POLE TYP

POLE BRACE, TYP

L20S1

8" FM

WALL

SCALE 1"=10'
DATE 06-05-2026
DRAWN PJR
FILE #225093-2

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags
Entertainment Corporation

SITE PLAN - SOUTH

SFGM - COASTER 2027

SHEET NO.
2-C-1.1

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

#225093-2

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LEGEND

CONCRETE MIDWAY PAVEMENT

CONCRETE SIDEWALK

STAMPED MIDWAY CONCRETE

COMPACTED GRAVEL FILL

ARTIFICIAL TURF

10 5 0 10 20

SCALE: 1" = 10'

CONCRETE MIDWAY PAVEMENT
SEE 225093-5

ADJUST RIM
TY. 8
RIM=716.75

ADJUST RIM
TY. 8
RIM=716.75

ADJUST RIM
TY. 8
RIM=716.75

ALL COASTER PIERS:
T/PIER=718.00
FG=717.75

STAMPED MIDWAY CONCRETE
SEE 225093-5

CONCRETE MIDWAY PAVEMENT
SEE 225093-5

19 LF 12" PVC STORM SEWER @ 1.00%

TY A INLET
TY 8 FRAME
RIM=716.54
INV=712.54

TY A INLET
TY 8 FRAME
RIM=716.73
INV=712.73

TY A INLET
TY 8 FRAME
RIM=716.95
INV=712.95

22 LF 12" PVC STORM SEWER @ 1.00%

TY A INLET
TY 8 FRAME
RIM=716.62
INV=713.62

39 LF 12" PVC STORM SEWER @ 1.00%

CONNECT TO
EXISTING STRUCTURE
INV=713.23

POND

BRUSH

LITTLE DIPPER

WOODCHUCKER

CANOPY

METAL SHEET PILE

SAN MH
RIM=719.22
INV=716.56 E
INV=711.31 W
INV=709.61 SE

INV. 710.62

FF=718.96

SCALE 1"=10'
DATE 06-05-2026
DRAWN PJR
FILE #225093-2

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags
Entertainment Corporation

SITE PLAN - NORTH

SFGM - COASTER 2027

SHEET NO.
2-C-1.2

HARLAN M. DOLAND
062-048891
PROFESSIONAL ENGINEER
ILLINOIS

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#225093-2

10 5 0 10 20

SCALE: 1" = 10'

MATCH
717.05 T/C
716.55 EP

MATCH
716.38 T/C
715.88 EP

MATCH EXISTING

ALL COASTER PIERS:
T/PIER=718.00
FG=717.75

EXISTING BUILDING
FFE=716.50

MATCH EXISTING

ELECTRIC BUILDING
(SEE ARCHITECTURAL)
FFE=716.00

ADJUST RIM
RIM=715.88

B/STAIRS=715.98

ADJUST RIM
RIM=715.78

B/RAMP=717.98

RIDE STATION
(SEE ARCHITECTURAL)
RIDE ELEVATION 723.31
GRADE AT BLDG=717.50

WALK=717.95
LANDING=719.14
719.08 WALK
718.08 GND
WALK=717.75
WALK=717.95
WALK=717.88
WALK=717.89
WALK=717.95
718.39 WALK
WALK=718.44
EX RIM=715.85
WALK=717.45
WALK=716.93
WALK=717.42
WALK=717.49
WALK=716.98
WALK=717.35
WALK=717.35
WALK=717.42

MATCH EXISTING
MATCH EXISTING

INLET
RIM 715.68
INV. 712.33 N

ELEC MH
RIM 713.39

MATCH FFE
718.50 WALK

WALK=718.25
WALK=718.34
WALK=718.21
WALK=718.12
WALK=718.35
WALK=718.27
WALK=718.50
WALK=718.55
WALK=718.55
WALK=718.76
WALK=718.88
719.06 WALK
718.06 GND
718.94 WALK
WALK=718.95
718.82 WALK
WALK=718.50
718.88 WALK
717.88 GND
718.56 WALK
717.56 GND
718.49 WALK
717.49 GND

WALK=718.40
WALK=718.38
WALK=718.60

QUEUE BUILDING
(SEE ARCHITECTURAL)
FFE=718.50

MATCH FFE
718.50 WALK

MATCH FFE
718.50 WALK

718.81 WALK
718.69 WALK
718.64 WALK
718.64 WALK
717.64 GND

ADJUST RIM
RIM=718.42

718.20 CONC
718.37 CONC
718.50 CONC
718.32 CONC
718.43 CONC
717.68 GND
718.00 CONC
717.96 CONC

MATCH EXISTING

MATCH EXISTING CURB

MATCH EX
RIM=715.96

718.88 T/C
718.22 TURF

718.25 T/C
717.59 TURF

KIDS PLAY AREA
SEE 225093-5

717.75 T/C
717.09 TURF

719.00 T/C
718.34 TURF

718.00 T/C
717.34 TURF

717.34

718.50 T/C
717.84 TURF

719.00 T/C
718.50 EP

MATCH EX RIM
RIM=718.12

719.29 T/C
718.79 EP

POND BY OWNER
ELEV 717.00

RIM=718.23

719.25 T/C
718.75 EP

MATCH MIDWAY
718.75 EP

MATCH EXISTING
T/DECK=718.75

MATCH FFE
718.50

MATCH FFE
718.50

MATCH E
T/DECK=

EXISTING
MATCH EXISTING
T/DECK=718.75
TO REMAIN

MATCH EXISTING
T/DECK=718.75

MATCH EXISTING
T/DECK=718.75

ROLE
TYP.

ROLE
BRACE,
TYP.

130'ST

WALL

8"FM

8"PVC

8"PVC

WOOD TIMBER

2" RISER

FF=717.01

A/C PADS

CONC.
STOOP

SHED

PIV

PIV

FF=717.73

AREA

2" CONDUIT

1" C CONDUIT

B-103

B-104

F039A F039B F040A F040B F041A F041B F042A F042B F043 F044A F044B F045A F045B F046A F046B F047A F047B F048A F048B F049A F049B F050A F050B F051A F051B F052A F052B F053A F053B

SCALE	1"=10'
DATE	06-05-2016
DRAWN	PJR
FILE	*225093-2

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags
Entertainment Corporation

GRADING PLAN-SOUTH

SFGM - COASTER 2017

SHEET NO.
2-C-1.3

HARLAN M. DOLAND
062-048891
PROFESSIONAL ENGINEER
ILLINOIS

*225093-2

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LITTLE DIPPER
POND
ALL COASTER PIERS:
T/PIER=718.00
FG=717.75
ADJUST RIM
RIM=716.75
ADJUST RIM
RIM=716.88
ADJUST EX RIM
RIM=715.05
MATCH EX CURB
717.31 T/C
716.81 EP
MATCH EXISTING
BRIDGE DECK
GRADE TO EX RIM
RIM=717.99
MATCH EX RIM
RIM=718.37
5' CURB CUT
718.00 EP
718.88 EP
718.85 EP
718.92 EP
718.93 EP
718.96 EP
718.81 EP
718.93 EP
718.56 EP
718.59 EP
718.50 EP
718.25 EP
718.09 TURF
718.17 EP
716.17 EP
715.32 EP
715.31 EP
715.54 EP
715.57 EP
715.60 EP
716.06 EP
715.94 EP
716.20 EP
716.33 EP
716.40 EP
716.45 EP
716.50 EP
716.36 EP
716.90 EP
717.25 EP
717.50 EP
717.00 EP
716.90 EP
718.00 T/C
717.50 EP
717.40 T/C
716.90 EP
717.50 T/C
717.00 EP
717.00 WALK
716.50 WALK
716.70 T/C
716.20 EP
717.00 T/C
716.50 EP
716.83 T/C
716.33 EP
716.75 T/C
716.25 EP
716.86 T/C
716.36 EP
717.00 T/C
716.45 EP
718.50 T/C
717.50 EP
719.00 T/C
718.50 EP
719.15 T/C
718.65 EP
719.09 T/C
718.59 EP
719.06 T/C
718.56 EP
718.75 T/C
718.25 EP
718.67 T/C
718.17 EP
719.36 T/C
718.86 EP
F020A
F037B
F037A
F036A
F021B
F021A
F035B
F035A
F034A
F034B
F007D
F007C
F012B
F012A
F013B
F023B
F007A
F006A
F023A
F006B
F033A
F033B
F007B
F026B
F025A
F025B
F027A
F027B
F028A
F028C
F028B
F028D
F029A
F029B
F029C
F029D
F029E
F029F
F029G
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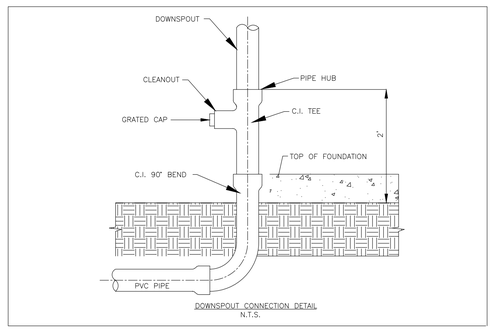
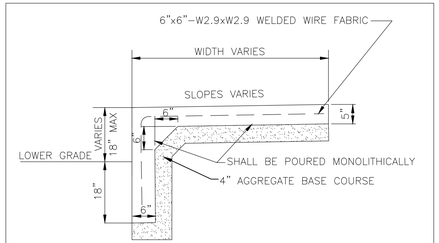


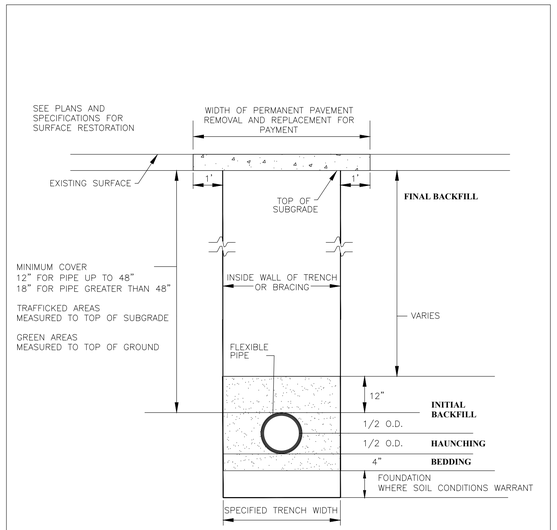
DOWNSPOUT CONNECTION DETAIL
N.T.S.



GENERAL NOTES:

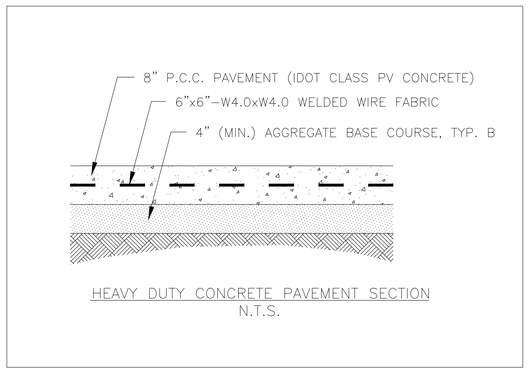
1. Placing, finishing and curing of walk shall conform to applicable Sections of Standard Specifications for Road and Bridge Construction.
2. Slab contraction (control) joints shall be as follows:
   For 4' walk Width = 5' O.C. Joint Spacing
   5' walk Width = 5' O.C. Joint Spacing
   8' walk Width = 6' O.C. Joint Spacing
3. Expansion joints shall consist of preformed joint filler or thickness as follows:
   1/2 " between walk and structures, standards, poles
   3/4 " at walk intervals of not more than 50 feet.
4. If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.
5. Concrete shall be IDOT Class SI

TURNDOWN WALK DETAIL
NO SCALE

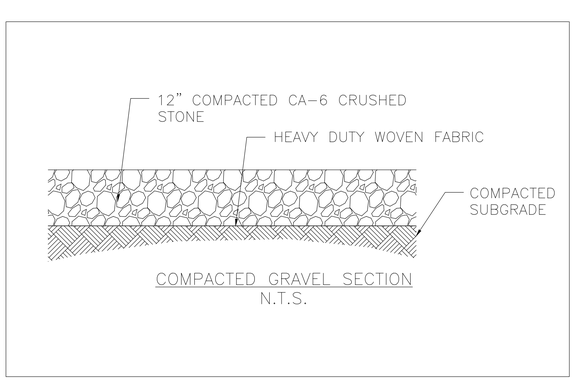


FLEXIBLE PIPE INSTALLATION DETAIL

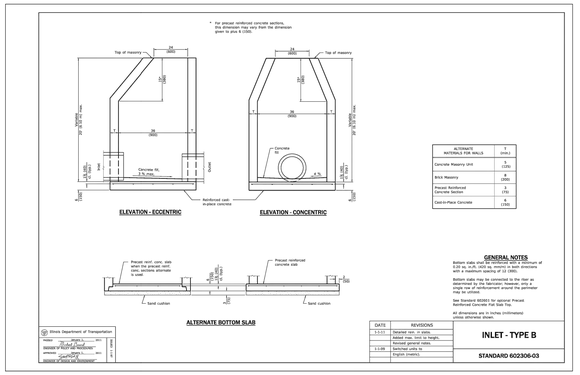
STANDARD DRAWING NO.2



HEAVY DUTY CONCRETE PAVEMENT SECTION
N.T.S.



COMPACTED GRAVEL SECTION
N.T.S.



GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft. (420 sq. mm/m) in both directions with a maximum spacing of 12 (305).

Bottom slabs may be connected to the riser as shown in (1006) or constructed with a 2 (50) min. single row of reinforcement around the perimeter of the slab.

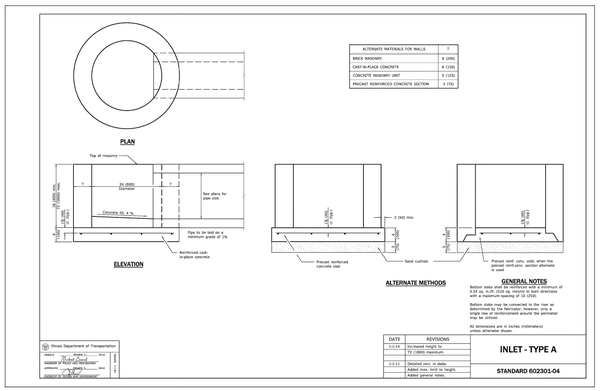
See Standard 603803 for optional Precast Reinforced Concrete Flat Slab Top.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-17	Deleted cast, in slabs.
	Added max. limit to height.
1-1-99	Revised general notes.
	Added metric values.
	Engilsh (metric).

INLET - TYPE B

STANDARD 602306-03



GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (216 sq. mm/m) in both directions with a maximum spacing of 12 (305).

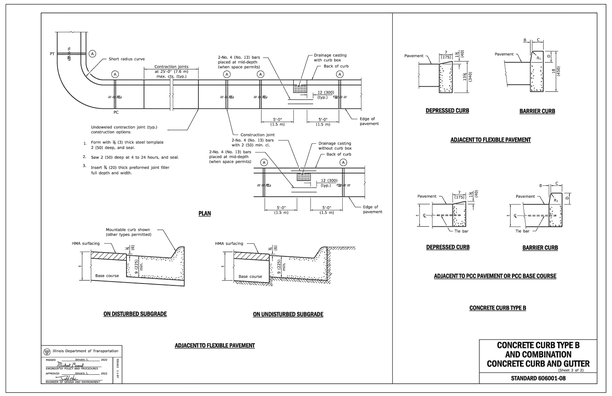
Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Deleted min. in slabs. Added max. limit to height. Added general notes.

INLET - TYPE A

STANDARD 602301-04



CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-08

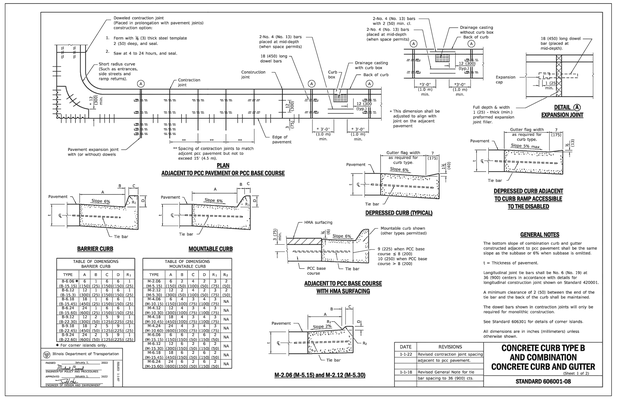


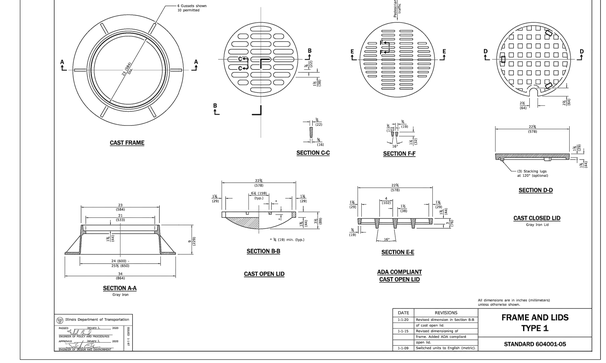
TABLE OF DIMENSIONS						
TYPE	A	B	C	D	R_1	R_2
M-2.06	6	2	4	2	2	2
M-2.12 (150) (200) (250) (300)	6	2	4	2	2	2
M-5.15	12	3	9	3	3	3
M-5.30 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.06 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.12 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.18 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.24 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.30 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.36 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.42 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.48 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.54 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.60 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.66 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.72 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3

TABLE OF DIMENSIONS						
TYPE	A	B	C	D	R_1	R_2
M-2.06	6	2	4	2	2	2
M-2.12 (150) (200) (250) (300)	6	2	4	2	2	2
M-5.15	12	3	9	3	3	3
M-5.30 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.06 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.12 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.18 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.24 (150) (200) (250) (300)	6	2	4	2	2	2
M-6.30 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.36 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.42 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.48 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.54 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.60 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.66 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3
M-6.72 (300) (350) (400) (450) (500) (600)	12	3	9	3	3	3

DATE	REVISIONS
1-1-12	Revised contraction joint spacing adjacent to pcc pavement.
1-1-10	Revised turnover face for tie bar spacing to 36 (900) ctrs.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

STANDARD 606001-08

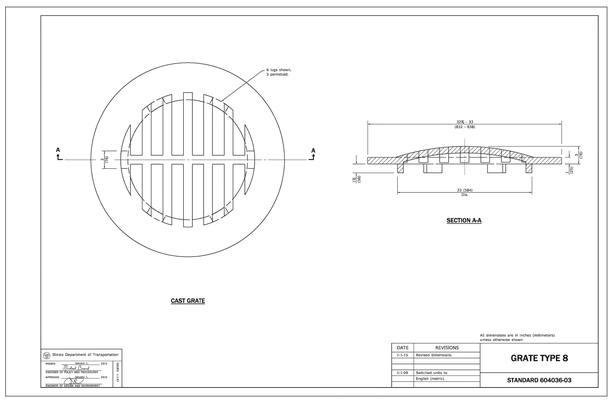


At dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Revised dimension in Section E-E of cast open lid
1-1-15	Revised dimensioning of Frame Added ADA compliant Lid
1-1-08	Switched units to English (metric)

FRAME AND LIDS TYPE 1

STANDARD 604001-05

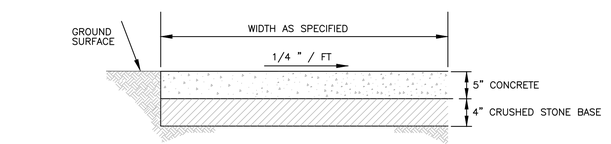


At dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Revised dimensions
1-1-09	Switched units to English (metric).

GRATE TYPE 8

STANDARD 604036-03



GENERAL NOTES:

1. At locations where sidewalk is constructed at ramps and/or driveway entrances, the P.C.C. Sidewalk Section shall be thickened to 7" for the width of the ramp and/or driveway. This work shall be considered as incidental, and no additional compensation will be allowed.
2. Placing, finishing and curing of P.C.C. Sidewalk shall conform to applicable Sections of Standard Specifications for Road and Bridge Construction.
3. Slab contraction (control) joints shall be as follows:
   For 4' Sidewalk Width = 5' O.C. Joint Spacing
   5' Sidewalk Width = 5' O.C. Joint Spacing
   8' Sidewalk Width = 6' O.C. Joint Spacing
4. Expansion joints shall consist of preformed joint filler or thickness as follows:
   1/2 " between sidewalk and structures, standards, poles
   3/4 " at sidewalk intervals of not more than 50 feet.
5. If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.
6. Concrete shall be IDOT Class SI

STANDARD DUTY CONCRETE PAVEMENT DETAIL
N.T.S

REVISION	DESCRIPTION

SCALE NTS
DATE 06-05-2016
DRAWN PJR
FILE #225033-2

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

DETAIL SHEET

SFGM - COASTER 2027

SHEET NO.
2-C-2.0

#225033-2

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DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH IBC 2024 AND SUBSEQUENT REFERENCE STANDARDS.
2. RISK CATEGORY: II & III
3. SUPERIMPOSED LOADS:
   ROOF LOADS:
   DEAD LOAD = 15 PSF
   LIVE LOAD = 20 PSF
   RIDE STATION FLOOR LOADS:
   DEAD LOAD = 63 PSF (DECK) + 15 PSF SDL
   LIVE LOAD = 100PSF
4. PREFABRICATED TRUSS LOADS: SEE 3/S-1.4
5. SNOW: Risk Category II

GROUND SNOW	56 PSF
SNOW EXPOSURE FACTOR	1.0
THERMAL FACTOR	1.2
SLOPE FACTOR(S)	1.0
IMPORTANCE FACTOR	1.0
FLAT-ROOF SNOW	47 PSF
RAIN-ON-SNOW SURCHARGE	5 PSF
DESIGN SNOW	47 PSF

6. SNOW: Risk Category III

GROUND SNOW	66 PSF
SNOW EXPOSURE FACTOR	1.0
THERMAL FACTOR	1.2
SLOPE FACTOR(S)	1.0
IMPORTANCE FACTOR	1.0
FLAT-ROOF SNOW	55.4 PSF
RAIN-ON-SNOW SURCHARGE	5 PSF
DESIGN SNOW	55.4 PSF

7. SEISMIC:

	QUEUE BUILDING AND ELECTRIC BUILDING	RIDE STATION
SEISMIC DESIGN CATEGORY	B	B
IMPORTANCE FACTOR	1.0	1.0
SITE CLASS	D	D
S_S	0.13g	0.13g
S_1	0.063g	0.063g
S_{DS}	0.11g	0.11g
S_{D1}	0.09g	0.09g
SEISMIC FORCE RESISTING SYSTEM	WOOD SHEAR WALLS	STEEL MOMENT FRAME
RESPONSE MODIFICATION COEFFICIENT, R	6.5	3.5
C_d	4	3
O_O	3	3
Rho	1	1
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	EQUIVALENT LATERAL FORCE
SEISMIC RESPONSE COEFFICIENT, C_S	0.017	0.017
DESIGN BASE SHEAR (STRENGTH LEVEL)	0.017W KIPS	0.017W KIPS

8. WIND: RISK CATEGORY II

BASIC WIND SPEED	V_{ULT} = 107 MPH V_{ASD} = 82.9 MPH
EXPOSURE CLASS	C
INTERNAL PRESSURE COEFFICIENT, GCpi	±0.55

COMPONENTS & CLADDING:			
ROOF COMPONENTS	ZONE 1	ZONE 2	ZONE 3
SUPPORT BEAMS (A>100 SF)	+21.5/-35.3 PSF	+21.5/-40.8 PSF	+21.5/-45.5 PSF
ROOF SHEATHING (A= 50 SF)	+23.1/-39.1 PSF	+23.1/-50.0 PSF	+23.1/-56.8 PSF
DECK FASTENERS (A=10 SF)	+26.8/-47.8 PSF	+26.8/-71.2 PSF	+26.6/-82.9 PSF
WALL COMPONENTS	ZONE 4	ZONE 5	
A=200 SF	+30.8/-33.1 PSF	+30.8/-34.8 PSF	
A=50 SF	+33.3/-35.6 PSF	+33.3/-39.8 PSF	
A=20 SF	+34.9/-37.3 PSF	+34.9/-43.0 PSF	

C & C NOTES:
   a. THE PRESSURES LISTED ARE IN ACCORDANCE IBC CBC AND ASCE 7, AND THE DESIGN FORCES USED BY THE SUBCONTRACTOR FOR A SPECIFIC APPLICATION ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
   b. WIND PRESSURES ARE ULTIMATE DESIGN LEVEL.
   c. SEE ASCE 7 FOR ZONE DEFINITIONS AND EXTENT OF ZONES. 'a' = 3 FT.
   d. SUBMIT DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT'S JURISDICTION FOR ANY DESIRED MODIFICATION TO THE STATED PRESSURES.

9. WIND: RISK CATEGORY III

BASIC WIND SPEED	V_{ULT} = 114 MPH V_{ASD} = 88.3 MPH
EXPOSURE CLASS	C
INTERNAL PRESSURE COEFFICIENT, GCpi	±0.55

COMPONENTS & CLADDING:			
ROOF COMPONENTS	ZONE 1	ZONE 2	ZONE 3
SUPPORT BEAMS (A>100 SF)	+22.1/-36.4 PSF	+22.1/-42.1 PSF	+22.1/-46.9 PSF
ROOF SHEATHING (A= 50 SF)	+23.8/-40.3 PSF	+23.8/-51.4 PSF	+23.8/-58.5 PSF
DECK FASTENERS (A=10 SF)	+27.7/-49.3 PSF	+27.7/-73.4 PSF	+27.7/-85.4 PSF
WALL COMPONENTS	ZONE 4	ZONE 5	
A=200 SF	+31.8/-34.2 PSF	+31.8/-35.9 PSF	
A=50 SF	+34.3/-36.7 PSF	+34.3/-41.0 PSF	
A=20 SF	+36.0/-38.4 PSF	+36.0/-44.4 PSF	

C & C NOTES:
   a. THE PRESSURES LISTED ARE IN ACCORDANCE IBC CBC AND ASCE 7, AND THE DESIGN FORCES USED BY THE SUBCONTRACTOR FOR A SPECIFIC APPLICATION ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
   b. WIND PRESSURES ARE ULTIMATE DESIGN LEVEL.
   c. SEE ASCE 7 FOR ZONE DEFINITIONS AND EXTENT OF ZONES. 'a' = 3.2 FT.
   d. SUBMIT DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT'S JURISDICTION FOR ANY DESIRED MODIFICATION TO THE STATED PRESSURES.

10. RAIN:

RAIN INTENSITY, i	6.68 IN/HR (15 MINUTE INTENSITY RATE)

11. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MOMENT FRAMES AND WOOD SHEAR WALLS IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE COMPOSITE DECK AND WOOD SHEATHING SERVE AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES. TEMPORARY BRACING, SHORING, GUYING, ETC. SHALL AVOID EXCESSIVE STRESSES AND HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK THAT DEVIATES FROM OR IS PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE DESIGN PROFESSIONALS.
3. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE CONSTRUCTION LOADS AND FOR DETERMINING SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKERS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: FALSEWORK, FORMWORK, STAGING, BRACING, AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO BID SUBMITTAL, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
5. STRUCTURAL SUBSTITUTIONS MAY BE ALLOWED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. SUPPLIER SHALL PROVIDE SIGNED AND SEALED DESIGN CALCULATIONS OR SUITABLE PRODUCT LITERATURE FOR THE COMPONENTS. ALL PRODUCT SUBSTITUTIONS SHALL INCLUDE A CODE EVALUATION REPORT SPECIFIC TO THE BUILDING CODE LISTED IN THE DESIGN CRITERIA.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH ARCHITECT.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. SEE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF / FLOOR OPENINGS, TOP OF WALL ELEVATIONS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS. FOR THESE NON-STRUCTURAL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS, THEY ARE FOR GENERAL INFORMATION ONLY.
11. COORDINATE FLOOR FINISH INCLUDING, BUT NOT LIMITED TO THE "FLATNESS" AND "LEVELNESS" REQUIREMENTS, WITH THE FLOOR FINISH CONTRACTOR. PROVIDE UNDERLAYMENT / TOPPING WHERE REQUIRED TO PROVIDE A SURFACE ACCEPTABLE FOR INSTALLATION OF FLOOR FINISHES. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS, AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. THE EXACT WEIGHTS, DIMENSIONS, AND LOCATIONS OF ALL MECHANICAL UNITS AND ELECTRICAL GEAR SUPPORTED ON STRUCTURAL FRAMING SHALL BE DETERMINED AND COORDINATED BY THE CONTRACTOR PRIOR TO DETAILING THE STRUCTURAL FRAMING SUPPORTING THOSE UNITS. IF THE UNIT WEIGHTS ARE GREATER THAN THE WEIGHTS SHOWN ON THE STRUCTURAL DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO DETAILING THE STRUCTURE. UNIT WEIGHTS, DIMENSIONS, AND LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE APPROXIMATE ONLY AND SHALL NOT BE USED FOR DETAILING THE STRUCTURE.
14. PROVIDE TEMPORARY BLOCKOUTS AND TEMPORARY OPENINGS IN THE STRUCTURE AS REQUIRED TO PERMIT INSTALLATION OF ALL WORK. BLOCKOUTS AND TEMPORARY OPENINGS SHALL BE LOCATED, CONFIGURED, DETAILED, AND INFILLED IN A MANNER THAT ALTERS NEITHER THE STRENGTH OF THE STRUCTURAL FRAMING NOR THE STRENGTH OF CONNECTIONS. INFILL ALL BLOCKOUTS AND TEMPORARY OPENINGS USING THE MATERIALS SPECIFIED FOR THE FRAMING AT THE LOCATIONS WHERE THE BLOCKOUTS AND OPENINGS OCCUR. SUBMIT DRAWINGS INDICATING THE LOCATIONS, DIMENSIONS, AND DETAILS OF ALL PROPOSED BLOCKOUTS AND OPENINGS AND DETAILS INDICATING THE MANNER IN WHICH THE BLOCKOUTS AND OPENINGS WILL BE INFILLED.
15. NO HOLES, NOTCHES, BLOCK-OUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
16. PENETRATIONS IN CONCRETE SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.
17. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, CONTRACTOR SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH FIELD CONDITIONS, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE PROPOSAL SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK.
18. ELEMENTS SUCH AS NON-BEARING PARTITIONS, ETC. ATTACHED TO AND/OR SUPPORTED BY THE STRUCTURE SHALL TAKE INTO ACCOUNT DEFLECTIONS AND OTHER STRUCTURAL MOVEMENTS. THE STRUCTURAL FRAMING WAS DESIGNED TO LIMIT DRIFT AND DEFLECTION OF THE STRUCTURAL SYSTEM TO LESS THAN THE MAXIMUM PERMITTED DEFLECTIONS LISTED IN THE BUILDING CODE. THE CONTRACTOR SHALL COORDINATE THE WORK OF OTHER TRADES TO ACCOMMODATE THESE DEFLECTIONS AND TO ACCOMMODATE CONSTRUCTION TOLERANCES.
19. FIRE PROTECTION FOR ALL STRUCTURAL PARTS SHALL BE PROVIDED AS SPECIFIED BY THE ARCHITECTURAL DRAWINGS. UL FIRE RESISTANCE RATING RESTRAINT CLASSIFICATION AS FOLLOWS:
   a. "PRIMARY STRUCTURAL FRAME", AS DEFINED BY IBC SECTION 202 IS "RESTRAINED" EXCEPT AS INDICATED IN FOLLOWING NOTE.
   b. THE FOLLOWING FRAMING IS "UNRESTRAINED":
      1. FRAMING SUPPORTED BY BEARING WALLS, OTHER THAN CAST-IN-PLACE CONCRETE WALLS, IN END BAYS AND OTHER LOCATIONS WHERE THE END OF THE FRAMING IS NOT ABUTTING FRAMING IN AN ADJACENT BAY.
      2. HOLLOW CORE SLABS IN END BAYS AND OTHER LOCATIONS WHERE THE END OF THE SLAB IS NOT ABUTTING SLABS IN AN ADJACENT BAY.
      3. STEEL JOISTS IN END BAYS ON ROOFS SUPPORTING STEEL DECK.
      4. ALL WOOD CONSTRUCTION.

SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   c. CONCRETE AND MASONRY REINFORCING
   d. ENGINEERED LUMBER
   e. STEEL FABRICATION AND MISCELLANEOUS METALS
   f. STEEL DECK
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE DESIGN PROFESSIONALS.
3. SUBMITTALS SHALL BE REVIEWED BY THE DESIGN PROFESSIONALS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE DESIGN PROFESSIONALS ON THE SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. EXCAVATION, SHORING, AND UNDERPINNING
   b. PREFABRICATED WOOD TRUSSES
   c. EXTERIOR WALL SYSTEMS
   d. STAIRS, ACCESS LADDERS, HANDRAILS, GUARDRAILS, AND GRATING
3. ALL DELEGATED DESIGNS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

EARTHWORK

1. FOUNDATION DESIGN IS BASED ON GEOTECHNICAL REPORT NO. 29180 DATED FEB 06 2026 BY SOIL AND MATERIAL CONSULTANTS, INC. FOLLOW RECOMMENDATIONS IN REPORT FOR ALL FOUNDATION WORK. REPORT IS ON FILE WITH THE ARCHITECT.
2. SOIL PROPERTIES:

FROST DEPTH	4 FT (UNHEATED)

3. SUBGRADE PREPARATION FOR FOOTINGS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND SHALL BE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEETING, SHORING, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION.

SHALLOW FOUNDATIONS

1. SEE THE GEOTECHNICAL REPORT FOR SHALLOW FOUNDATION REQUIREMENTS.
2. SHALLOW FOUNDATIONS SHALL HAVE THE FOLLOWING MINIMUM NET ALLOWABLE SERVICE LOAD BEARING PRESSURES:

SERVICE LOAD BEARING PRESSURES:	
NET ALLOWABLE BEARING PRESSURE	3000 PSF

3. FOUNDATION ELEVATIONS SHOWN INDICATE LOCATIONS WHERE ADEQUATE SOIL BEARING PRESSURE IS ANTICIPATED. IF INADEQUATE BEARING CAPACITY IS ENCOUNTERED, CONTACT STRUCTURAL ENGINEER FOR RESOLUTION. BEARING ELEVATIONS ARE ESTIMATED FROM SOIL BORING DATA INDICATED IN THE GEOTECHNICAL REPORT. DETERMINATION OF FINAL BEARING ELEVATIONS AND FIELD VERIFICATION OF ALLOWABLE BEARING PRESSURE SHALL BE MADE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATIONS.
4. ALL FOUNDATIONS SHALL BEAR BELOW THE FROST DEPTH, OR LOWER WHERE INDICATED ON FOUNDATION PLAN. IN CASE OF CONFLICT, NOTIFY THE DESIGN PROFESSIONALS IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.
5. FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL, AND CLEAN AND FREE OF LOOSE DEBRIS AND STANDING WATER AT TIME OF CONCRETE PLACEMENT.
6. WHERE FOUNDATIONS BEAR ON ROCK, FOUNDATIONS SHALL BEAR ON THAT ROCK OR ON LEAN CONCRETE FILL.
7. NEW FOOTING BEARING ELEVATIONS SHALL MATCH ADJACENT EXISTING FOOTING BEARING ELEVATIONS WHERE OCCURRING UON.
8. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOOTINGS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL UON IN THE GEOTECHNICAL REPORT. CONTACT STRUCTURAL ENGINEER WHERE ADEQUATE SLOPE IS NOT ACHIEVED.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AND ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", UON.
2. CONCRETE REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS:

REINFORCING STEEL UON	ASTM A615, GR 60	Fy=60 KSI
WELDED REINFORCING STEEL	ASTM A706, GR 60	Fy=60 KSI
REINFORCING STEEL IN SEISMIC FORCE RESISTING SYSTEMS OTHER THAN ORDINARY (SHEAR WALLS AND MOMENT FRAMES	ASTM A706, GR 60	Fy=60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy=65 KSI
EPOXY-COATED REINFORCING STEEL	ASTM A775	Fy=60 KSI
GALVANIZED-COATED REINFORCING STEEL	ASTM A767	Fy=60 KSI
STEEL WIRE	ASTM A1064	Fy=60 KSI
DEFORMED BAR ANCHORS	ASTM A1064	Fy=70 KSI
HEADED DEFORMED BARS	ASTM A970	Fy=DEFORMED BAR TENSILE STRENGTH
MECHANICAL COUPLERS	TYPE 2	Fy= 1.25xDEFORMED BAR TENSILE STRENGTH
HEADED STEEL STUD SHEAR REINFORCING	ASTM A1044	Fy=51 KSI

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CONCRETE EXPOSURE	MEMBER	REINFORCEMENT	COVER (IN)
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	#6 TO #18	2
		#5 AND SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, JOISTS, AND WALLS	#14 & #18	1 1/2
		#11 AND SMALLER	3/4
	BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	PRIMARY REINF, STIRRUPS, TIES, SPIRALS, AND HOOPS	1 1/2
OTHER	BOUNDARY ELEMENTS	ALL	1 1/2
	PARKING LEVEL SLABS	TOP BARS	1 1/2
		BOTTOM BARS	1

4. REINFORCING STEEL SHALL BE INSTALLED TO WITHIN THE FOLLOWING TOLERANCES. INDICATED TOLERANCES ARE PER ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS".

ITEM FOR WHICH TOLERANCE IS BEING MEASURED	PERMITTED TOLERANCE
CONCRETE COVER FOR SLAB TOP AND BOTTOM BARS	±1/4"
COVER FOR OTHER REINFORCING STEEL	±3/8"
SPECIFIED SPACING BETWEEN PARALLEL BARS IN SLAB	± (SPECIFIED SPACING/4) BUT NOT TO EXCEED 1"
HORIZONTAL DEVIATION FROM SPECIFIED LOCATION UON	±3"
SPACING AND LOCATION OF BEAM STIRRUPS	± (BEAM DEPTH IN INCHES/12) x 1"
SPACING AND LOCATION OF COLUMN TIES	± (MINIMUM COLUMN DIMENSION IN INCHES/12) x 1"
LOCATION OF ENDS OF BARS PERPENDICULAR TO SLAB EDGES	±1"
HORIZONTAL LOCATION OF PRESTRESSED TENDONS	±1/2" FOR MEMBER DEPTH = 24" ±1" FOR MEMBER DEPTH > 24"
VERTICAL LOCATION (DRAPE) OF PRESTRESSED TENDONS	±1/4" FOR MEMBER DEPTH = 8" ±3/8" FOR MEMBER DEPTH 8" < D = 24" ±1/2" FOR MEMBER DEPTH > 24"

THE ABOVE LIST OF PERMITTED TOLERANCES SHALL BE PROVIDED ON ALL REINFORCING STEEL PLACING DRAWINGS AND ON ALL POST-TENSIONED TENDON PLACING DRAWINGS. PLACING DRAWINGS THAT DO NOT PROVIDE THIS LIST OF TOLERANCES WILL BE REJECTED.

5. FIELD BENDING OF REINFORCING STEEL IS NOT PERMITTED UON.
6. WELDING OF REINFORCING STEEL OTHER THAN A706 IS PROHIBITED. WELDING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH AWS D1.4 OR D1.8.
7. HEADED STUDS AND DEFORMED BAR ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. SUPPORTS AND TIE WIRE FOR COATED REINFORCING SHALL BE PLASTIC PROTECTED. SUPPORTS AND TIE WIRE FOR STAINLESS OR GALVANIZED REINFORCING SHALL BE STAINLESS OR GALVANIZED STEEL PROTECTED RESPECTIVELY. SUPPORTS AND TIE WIRE FOR UNCOATED REINFORCING SHALL BE PLAIN WIRE, NO PROTECTION.
9. ALL WELDED WIRE REINFORCING SHALL BE LAP SPLICED 2 PANELS (1'-0" MIN).
10. SPLICING:
   a. SPLICES IN REINFORCING STEEL SHALL BE MADE ONLY AT THOSE LOCATIONS WHERE SPLICES ARE SHOWN ON THE STRUCTURAL DRAWINGS AND AT THOSE LOCATIONS WHERE SPLICES HAVE BEEN DETAILED ON THE REINFORCING STEEL PLACING DRAWINGS THAT HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. ALL SPLICES SHALL BE CLASS B TENSION LAP SPLICES UON.
   b. MECHANICAL SPLICE COUPLERS MAY BE USED INSTEAD OF TENSION LAP SPLICES AT THE CONTRACTOR'S OPTION AT ANY LOCATION. MECHANICAL SPLICE COUPLERS MUST BE USED WHERE SPLICING #14 AND LARGER BARS, INCLUDING WHERE SPLICING #14 AND LARGER BARS TO #11 AND SMALLER BARS. STAGGER MECHANICAL SPLICES IN ADJACENT BARS 30" MINIMUM.
   c. COMPRESSION LAP SPLICES MAY BE USED ONLY AT THOSE LOCATIONS WHERE SUCH SPLICES ARE SPECIFICALLY INDICATED. STAGGER SPLICES WHERE REQUIRED TO PROVIDE 1 1/2" MINIMUM CLEAR SPACING BETWEEN REINFORCING STEEL AT SPLICE LOCATIONS.
11. ALL HOOKS SHALL BE STANDARD HOOKS OR STANDARD STIRRUP HOOKS UON. STANDARD STIRRUP HOOKS SHALL HAVE CONTINUOUS BAR AT INSIDE CORNER OF HOOK.
12. VERTICAL REINFORCING STEEL IN CONCRETE AND MASONRY WALLS WITH ONE LAYER OF REINFORCING BARS SHALL BE INSTALLED IN THE CENTER OF THE WALL UON.
13. WHEN BAR HOOK LENGTHS EXCEED SLAB THICKNESS, TILT HOOKS DURING INSTALLATION. TILTED HOOKS SHALL MAINTAIN THE SPECIFIED MINIMUM CONCRETE COVER.

STRUCTURAL SHEET INDEX

SHEET NUMBER	SHEET NAME
S-0.0	GENERAL NOTES
S-0.1	GENERAL NOTES
S-0.2	GENERAL NOTES
S-0.3	SPECIAL INSPECTIONS AND TESTS
S-0.4	SPECIAL INSPECTIONS AND TESTS
S-0.5	ABBREVIATIONS, SYMBOLS AND 3D VIEWS
S-1.0	FOUNDATION PLAN - QUEUE BUILDING
S-1.1	ROOF FRAMING PLAN - QUEUE BUILDING
S-1.2	FOUNDATION & PLATFORM PLAN - RIDE STATION
S-1.3	ROOF FRAMING PLAN - RIDE STATION
S-1.4	FOUNDATION PLAN - ELECTRIC BUILDING
S-1.5	RAMP FOUNDATION PLANS
S-1.6	RAMP FRAMING PLANS
S-2.0	TYPICAL CONCRETE DETAILS
S-2.1	QUEUE BUILDING CONCRETE DETAILS
S-2.2	STATION CONCRETE DETAILS
S-2.3	ELECTRICAL BUILDING CONCRETE DETAILS
S-2.4	RAMP DETAILS
S-2.5	FENCE/GATE DETAILS
S-3.0	TYPICAL STEEL DETAILS
S-4.0	TYPICAL WOOD DETAILS
S-5.0	QUEUE BUILDING FRAMING DETAILS
S-5.1	QUEUE BUILDING FRAMING DETAILS
S-5.2	QUEUE BUILDING FRAMING DETAILS
S-5.3	STATION FLOOR FRAMING DETAILS
S-5.4	STATION ROOF FRAMING DETAILS
S-5.5	ELECTRIC BUILDING FRAMING DETAILS
GRAND TOTAL: 27	

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG 263 SHUMAN BOULEVARD SUITE 550 NAPERVILLE, IL 60563 P: 630.527.2320
www.imegcorp.com

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REF. SCALE IN INCHES 0 1 2 3 — PROJECT #25006561.00

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

GENERAL NOTES
UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
S-0.0
OF X

#225093-1

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14. STANDARD STIRRUP HOOKS FOR #3, #4, AND #5 BARS SHALL BE PROVIDED IN SLABS LESS THAN 9" THICK.
15. DOWELS SHALL MATCH GRADE, SIZE, SPACING, AND QUANTITY OF LAPPED REINFORCING STEEL UON. EXTEND ALL DOWELS FOR FULL DEPTH OF SUPPORTING ELEMENT AND PROVIDE HOOKS UON. DOWELS SHALL NOT BE POST-INSTALLED INTO FRESH CONCRETE.
16. HEADED DEFORMED BARS MAY ONLY BE USED ON #11 AND SMALLER BARS. THREADED OR FORGED HEADS CAN BE USED AT THE FABRICATOR'S DISCRETION.
17. FIELD CUTTING OF REINFORCING STEEL IS PROHIBITED UNLESS INDICATED ON THE REINFORCING PLACING DRAWINGS.
18. HEATING OF BARS FOR BENDING IS PROHIBITED.
19. PROVIDE EPOXY-COATED REINFORCING STEEL IN ALL PARKING LEVEL SLABS, PLAZA SLABS, BALCONIES, TERRACES, AND ALL OTHER SLABS EXPOSED TO WEATHER AND ON COLUMN TIES AND ALL WALL REINFORCING STEEL WITHIN 4 FEET OF THE BOTTOM OF THOSE SLABS.
20. REINFORCING STEEL PLACING DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 315. THE PLACING DRAWINGS SHALL SHOW ALL INFORMATION NECESSARY TO FABRICATE AND PLACE THE REINFORCING STEEL.
21. REINFORCING STEEL SPACINGS ARE CENTER-TO-CENTER DIMENSIONS UON. REINFORCING STEEL SHOWN IN SECTION PERPENDICULAR TO THE CUT ARE CONTINUOUS UON.
22. THE SPACING OF ALL REINFORCING STEEL MUST BE COMPUTED BY THE REINFORCING STEEL DETAILER AND MUST BE INDICATED ON THE PLACING DRAWINGS. EXTENT ARROWS MUST BE USED TO CLEARLY INDICATE THE LOCATIONS WHERE GROUPS OF REINFORCING BARS ARE TO BE INSTALLED.
23. A LIST OF ALL APPLICABLE REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE INDICATED ON ALL REINFORCING STEEL PLACING DRAWINGS. PLACING DRAWINGS THAT DO NOT SHOW SUFFICIENT INFORMATION NEEDED TO PLACE THE REINFORCING STEEL WILL BE REJECTED.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AND ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE UON.
2. CONCRETE MATERIALS SHALL CONFORM TO:

PORTLAND LIMESTONE CEMENT	ASTM C595, TYPE IL
FLY ASH	ASTM C618, TYPE C OR F
SLAG CEMENT	ASTM C989
FINE AND COARSE AGGREGATE	ASTM C33
LIGHTWEIGHT AGGREGATE	ASTM C330
WATER	POTABLE
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER REDUCING ADMIXTURE	ASTM C494

3. CONCRETE STRENGTHS SHALL CONFORM TO:

COMPONENT	f'c AT 28 DAYS[1] (PSI)	MAX PERMITTED W/C	EXPOSURE CLASS
SHALLOW FOUNDATIONS	4500	0.45	F2
INTERIOR SLAB-ON-GRADE	3000	0.60	F0
NORMAL-WEIGHT SLAB ON DECK	3000	0.60	F0
OTHER WALLS[3]	4000	0.50	F1

[1]IF ALTERNATE VALUES ARE INDICATED ON PLANS OR DETAILS FOR SPECIFIC CONDITIONS. THEY SHALL BE USED IN LIEU OF THOSE LISTED IN THE TABLE.
[3]WALLS MONOLITHIC WITH COLUMNS OR PIERS SHALL BE CONSTRUCTED USING CONCRETE SPECIFIED FOR THE COLUMNS WITHIN 15 FEET MINIMUM TO EACH SIDE OF THE COLUMNS.

4. AIR ENTRAINMENT:

NOMINAL MAXIMUM AGGREGATE SIZE	REQUIRED AIR CONTENT PER EXPOSURE CATEGORY	
	F1	F2
3/8"	6%	7.5%
1/2"	5.5%	7%
3/4"	5%	6%
1"	4.5%	6%

   a. CONCRETE IN THESE LOCATIONS _____ SHALL BE AIR ENTRAINED WITH THE APPROPRIATE PERCENTAGE AIR CONTENT LISTED IN THE TABLE ABOVE AS APPLICABLE FOR THE INDICATED EXPOSURE CLASS AND NOMINAL MAXIMUM AGGREGATE SIZE IN THE CONCRETE MIX. THE REQUIRED AIR CONTENT VALUE MAY BE REDUCED BY 1% FOR ALL CONCRETE WITH COMPRESSIVE STRENGTH GREATER THAN 5000 PSI. THE PERMITTED TOLERANCE ON THE REQUIRED AIR CONTENT IS ±1.5%.
   b. ALL LIGHTWEIGHT CONCRETE SHALL HAVE 4-7% AIR ENTRAINMENT.
   c. AIR ENTRAINMENT SHALL CONFORM TO UL RATING REQUIREMENTS FOR FIRE RESISTANCE.

5. REQUIRED NOMINAL MAXIMUM COARSE AGGREGATE SIZE:

CONCRETE ELEMENT	REQUIRED NOMINAL MAXIMUM COARSE AGGREGATE SIZE*
ALL CONCRETE UON	1"
VOIDED FILIGREE SLABS	3/4"
TOPPING SLABS LESS THAN 3" THICK	3/8"

* SMALLER NOMINAL MAXIMUM COARSE AGGREGATE SIZE SHALL BE USED WHERE REQUIRED PER ACI 318.

6. COMBINED AGGREGATE GRADING FOR STRUCTURAL SLABS: 8-22% BY WEIGHT OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
7. ALL FOUNDATION ELEMENTS SHALL BE CENTERED UNDER WALLS, PIERS, OR COLUMNS UON.
8. "ROUGH JOINTS" ARE JOINTS ROUGHENED TO AN AMPLITUDE OF 1/4" AND FREE AND CLEAN OF LAITANCE. PROVIDE ROUGH JOINTS AT ALL CONSTRUCTION JOINTS UON.
9. CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF ALL CONSTRUCTION JOINTS WHERE JOINTS ARE NOT INDICATED ON THE DRAWINGS.
10. CONSTRUCTION JOINTS IN CAST-IN-PLACE CONCRETE SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF SPAN. PROPOSED CONSTRUCTION JOINT LOCATIONS SHALL BE SHOWN ON REINFORCING STEEL PLACING DRAWINGS. ANY STOP IN CONCRETE WORK MUST BE MADE WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS UON. ALL REINFORCING TO BE CONTINUOUS THROUGH JOINTS UON.
11. HORIZONTAL CONSTRUCTION JOINTS THROUGH CAST-IN-PLACE CONCRETE FRAMING ARE NOT PERMITTED EXCEPT WHERE SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS.
12. JOINTS ABUTTING EXISTING CONCRETE CONSTRUCTION SHALL BE ROUGH JOINTS UON.
13. CONSTRUCTION JOINTS IN SLAB ON DECK SHALL BE LOCATED AS FOLLOWS:
   a. JOINTS PERPENDICULAR TO THE DECK SPAN SHALL BE LOCATED MIDWAY BETWEEN ADJACENT PARALLEL BEAMS.
   b. JOINTS PERPENDICULAR TO GIRDERS SHALL BE LOCATED NO FARTHER THAN 'S'/2 FROM ONE END OF THE GIRDER WHERE 'S' IS THE DIMENSION BETWEEN ADJACENT BEAMS FRAMING TO THE GIRDER.
14. PROVIDE TEMPLATES TO SET EMBEDDED ITEMS.
15. INSTALLATION OF ELECTRICAL CABLE, CONDUIT, AND PIPING IN OR THROUGH CONCRETE COLUMNS AND WALLS IS PROHIBITED UNLESS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. INSTALLATION OF PIPING IN CAST-IN-PLACE CONCRETE IS PROHIBITED UNLESS APPROVED BY STRUCTURAL ENGINEER PRIOR TO INSTALLATION. DRAWINGS SHALL BE SUBMITTED FOR REVIEW SHOWING PROPOSED PLACEMENT OF ELECTRICAL CABLE AND CONDUIT IN SLABS. THOSE DRAWINGS SHALL SHOW SIZES AND DIMENSIONED LOCATIONS OF ALL CABLE AND CONDUIT.
16. ELECTRICAL CABLE AND CONDUIT (HEREAFTER REFERRED TO AS CONDUIT) MAY BE INSTALLED IN SLABS ON DECK SUBJECT TO THE FOLLOWING CONSTRAINTS:
   a. CONDUIT SHALL BE NO LARGER THAN 1 1/2" MAXIMUM OUTSIDE DIAMETER.
   b. PARALLEL CONDUITS SHALL BE INSTALLED IN A SINGLE LAYER AND SHALL BE SPACED NO CLOSER THAN 3".
   c. CONDUIT RUNNING PERPENDICULAR OR SKEWED TO THE DECK SPAN MAY BE INSTALLED DIRECTLY ON TOP OF THE DECK. CONDUIT RUNNING PARALLEL TO THE DECK SPAN SHALL BE INSTALLED 1" CLEAR ABOVE THE TOP OF THE DECK.
   d. REQUIRED MINIMUM CLEAR COVER BETWEEN TOP OF SLAB AND TOP OF CONDUIT EQUALS 1".
   e. ONLY ONE LAYER OF CONDUIT MAY CROSS OVER ANOTHER LAYER OF CONDUIT AT ANY LOCATION.
   f. INSTALLATION OF CONDUIT ON TOP OF THE CONTINUOUS WELDED WIRE FABRIC SLAB REINFORCING STEEL IS NOT PERMITTED.
   g. LOCATIONS WHERE MULTIPLE CONDUITS EXIST VERTICALLY FROM THE SLAB SHALL BE TREATED AS A MULTIPLE SLAB OPENING AND ADDITIONAL REINFORCING STEEL SHALL BE PROVIDED AROUND THE EFFECTIVE SLAB OPENING AS REQUIRED.
   h. COORDINATED DRAWINGS SHALL BE SUBMITTED FOR REVIEW SHOWING THE PROPOSED LOCATIONS OF ALL SLAB-EMBEDDED ELECTRICAL CONDUIT. THESE DRAWINGS SHALL SHOW "DRAWN TO SCALE" CONDUIT RUNS, LOCATIONS, AND DIMENSIONS WHERE GROUPED CONDUITS EXIT THE SLABS ALONG WITH LOCATIONS AND DIMENSIONS OF SLAB-EMBEDDED ELECTRICAL BOXES.
   i. INSTALLATION OF CONDUIT IN PARKING LEVEL SLABS AND SLABS EXPOSED TO WEATHER IS NOT PERMITTED.
17. PROVIDE CONTINUOUS BENTONITE WATERSTOPS IN ALL CONSTRUCTION JOINTS IN BELOW GRADE CONCRETE CONSTRUCTION. COORDINATE WATERSTOPS WITH ARCHITECTURAL DRAWINGS.
18. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UON ON ARCHITECTURAL DRAWINGS.
19. SLOPE SLABS TO DRAINS. SEE ARCHITECTURAL AND MEP DRAWINGS FOR DRAIN LOCATIONS AND SLOPE REQUIREMENTS. SLAB THICKNESSES SHOWN ON DRAWINGS ARE MINIMUMS.
20. NO LOADS SHALL BE PLACED ON STRUCTURAL CONCRETE SLABS ON DECK WITHIN 7 DAYS AFTER CONCRETE IS PLACED.
21. AFTER CONCRETE IS PLACED, IN NO CASE SHALL THE SUPERIMPOSED CONSTRUCTION LOADS BE GREATER THAN SPECIFIED DESIGN LIVE LOADS UNLESS THE WORK IS SHORED.
22. NOTIFY THE ARCHITECT 48 HOURS MINIMUM PRIOR TO ALL POURS.
23. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
24. ALL FORMWORK, SHORING, AND RESHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER LICENSED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BE SIGNED AND SEALED.
25. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. PROVIDE ALLOWANCES FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
26. PROVIDE SELF-LEVELING UNDERLAYMENT AT ELEVATED CONCRETE SLABS AND SLABS ON DECK AS REQUIRED TO MEET FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.
27. CORING OF CONCRETE IS NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATIONS OF PROPOSED CONCRETE CORINGS.
28. REINFORCING STEEL SHALL NOT BE DAMAGED WHEN DRILLING CONCRETE.
29. ADHERE TO ACI 305R AND ACI 306R FOR HOT AND COLD WEATHER CONCRETE CONSTRUCTION.
    DRYPACK AND GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 7000 PSI, UON.
31. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AND INSPECTION AGENCY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
32. CONTRACTOR SHALL SUBMIT A SINGLE DIMENSIONED AND COORDINATED DRAWING FOR EACH LEVEL SHOWING THE LOCATIONS OF THE FOLLOWING:
   a. SLAB OPENINGS AND PENETRATIONS
   b. SLEEVES, CAST-IN-PLACE AND POST-INSTALLED FIELD CORED
   c. SLAB-EMBEDDED ELECTRICAL CABLE AND CONDUIT
   d. EMBEDDED PLATES AND ALL OTHER EMBEDDED ITEMS
   e. POST-TENSIONED TENDONS AND STRESSING ANCHORS
33. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LOCATIONS, AND DETAILS OF ALL ARCHITECTURAL FEATURES IN THE CONCRETE. SEE ARCHITECTURAL DRAWINGS AND PROJECT SPECIFICATIONS FOR REQUIREMENTS FOR ALL CONCRETE FINISHES.

STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

WIDE FLANGE AND WT SHAPES	ASTM A992	Fy=50 KSI
ANGLE SHAPES	ASTM A572	Fy=50 KSI
PIPE SECTIONS	ASTM A53, GR B	Fy=35 KSI
HSS SECTIONS, ROUND	ASTM A500, GR C	Fy=50 KSI
HSS SECTIONS, SQ/RECT	ASTM A500, GR C	Fy=50 KSI
PLATES	ASTM A572	Fy=50 KSI
ANCHOR RODS	ASTM F1554, GR 36	Fy=36 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fu=120 KSI
HIGH STRENGTH TWIST-OFF BOLTS	ASTM F3125, GR F1852	Fu=120 KSI
HEADED STUD ANCHORS (HSA)	ASTM A108, TYPE B	
WELDING	AWS D1.1, 70KSI FILLER METAL	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS UON. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM SNUG TIGHT CONDITION UON.
5. FULLY TENSIONED HIGH STRENGTH BOLTS AND SLIP CRITICAL HIGH STRENGTH BOLTS SHALL USE TENSION-CONTROL "TWIST-OFF" BOLTS OR BE INSTALLED USING THE TURN OF THE NUT METHOD.
6. DESIGNED STRUCTURAL STEEL CONNECTIONS:
   a. ALL STRUCTURAL STEEL CONNECTIONS AND MEMBER REINFORCEMENT AT THE CONNECTIONS ARE DESIGNED BY THE ENGINEER OF RECORD IN ACCORDANCE WITH AISC 303, OPTION 1.
7. WELD LENGTHS INDICATED ON THE DRAWINGS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH IS NOT SPECIFIED, PROVIDE WELD ALONG ENTIRE INTERSECTION OF THE JOINED PARTS. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM WELD SIZE AS SPECIFIED IN AISC 360, TABLE J2.4.
8. SHOP CONNECTIONS SHALL BE WELDED UON. WELDS INDICATED WITH A SHOP WELD SYMBOL MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. LOCATIONS OF ALL FIELD WELDS SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS.
9. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING INDICATED. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
10. HEADED STUD ANCHORS (HSA): SHALL BE INSTALLED IN ACCORDANCE WITH AWS D1.1 AND SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE HSA AND THE STEEL SHAPE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE HSA AND THE STEEL SHAPE. THE HSA SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8"Ø AND SMALLER AND 3/16" FOR LARGER THAN 5/8"Ø.
11. MINIMUM HORIZONTAL CONCRETE COVER FOR HSA TO BE 2".
12. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE DRAWINGS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.
13. SPLICING OF STEEL MEMBERS WHERE NOT DETAILED ON THE DRAWINGS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE, AND CONNECTION TO BE MADE.
14. PROVIDE ONE SHOP COAT OF PAINT ON ALL STRUCTURAL STEEL NOT COVERED WITH CONCRETE, FIREPROOFING, MASONRY, OR AT CONTACT SURFACES AT HIGH STRENGTH BOLTS.
15. ALL STEEL EXPOSED TO WEATHER OR AS NOTED ON PLAN SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G60. ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
16. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
17. CUTS, HOLES, OPENINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OR TORCHING OF HOLES, CUTS, AND OTHER FIELD MODIFICATIONS SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
18. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. FOR MISCELLANEOUS STEEL NOT DETAILED SPECIFICALLY ON THE STRUCTURAL DRAWINGS.
19. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 10,000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
20. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR REVIEW AND APPROVAL BEFORE FABRICATION.
21. ALL WELDING ELECTRODES SHALL BE E70XX UON. WELDING ELECTRODES FOR ASTM A913, GR65 MEMBERS AND THEIR CONNECTIONS SHALL BE E80XX.
22. COLUMNS AND BEAMS SHOWN ON FRAME ELEVATIONS WHICH ARE GROUP 3 WITH FLANGES 1 1/2" OR THICKER, 4, OR 5 SHAPES AND PLATES 2" OR THICKER SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATION, SECTION A3-1C FOR MINIMUM CHARPY V-NOTCH REQUIREMENTS, TEST LOCATION, AND PROCEDURE. THE TESTING SHALL BE IN CONFORMANCE WITH ASTM A673, FREQUENCY H.
23. LATERAL FORCE RESISTING SYSTEM (LFRS) NOTES:
   a. PROTECTED ZONES SHALL BE AS DETAILED IN THE CONTRACT DOCUMENTS AND AS PRESCRIBED IN AISC 341 AND 358.
      1. ERECTION AIDES, HOLES, TACK WELDS, SHOT PINS, AND OTHER DISCONTINUITIES ARE NOT ALLOWED WITHIN PROTECTED ZONES.
      2. WELDED SHEAR STUDS AND STEEL DECKING ATTACHMENTS THAT PENETRATE THE BEAM FLANGE ARE NOT ALLOWED IN PROTECTED ZONES. STEEL DECKING ARC SPOT WELDS SHALL BE PERMITTED.
      3. THE CONTRACTOR SHALL TAKE MEASURE TO PERMANENTLY AND PHYSICALLY INDICATE THE PROTECTED ZONES ON THE STEEL MEMBERS. THE CONTRACTOR SHALL COMMUNICATE THE RESTRICTIONS ASSOCIATED WITH THE PROTECTED ZONES TO ALL SUBCONTRACTORS PERFORMING WORK.
   b. ALL MEMBERS WITH BOLTED CONNECTIONS THAT ARE PART OF THE LATERAL FORCE RESISTING SYSTEM SHALL BE PREPARED WITH A CLASS A SLIP CRITICAL FAYING SURFACE IN ACCORDANCE WITH RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) RECOMMENDATIONS.
   c. DEMAND CRITICAL (DC) WELDS ARE AS SHOWN ON THE DRAWINGS AND SHALL COMPLY WITH THE FOLLOWING:
      1. WELD FILLER METALS SHALL RECEIVE HEAT INPUT ENVELOPE TESTING ACHIEVING THE MECHANICAL PROPERTIES SPECIFIED IN AWS D1.8 CLAUSE 6.3.
      2. WELDERS PERFORMING DEMAND CRITICAL WELDS OF BEAM BOTTOM FLANGES TO COLUMN FLANGES THROUGH A BEAM WEB ACCESS HOLE SHALL PASS THE SUPPLEMENTAL WELDER QUALIFICATION FOR RESTRICTED ACCESS WELDING AS PRESCRIBED IN ANNEX D OF AWS D1.8.
      3. WPS'S FOR DEMAND CRITICAL WELDS SHALL INCLUDE ACCEPTABLE HEAT INPUT LIMITS PER AWS D1.8 SECTION 6.1.3.
      4. WELDING PROCESSES ALLOWED FOR DEMAND CRITICAL WELDS SHALL BE LIMITED TO SMAW, GMAW (EXCEPT SHORT CIRCUIT TRANSFER), FCAW, AND SAW.

STEEL DECK

1. MATERIAL, DETAILING, DESIGN, MANUFACTURE, AND ERECTION OF STEEL DECKS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI) SPECIFICATION.
2. DECK SIZE AND GAUGE INDICATED ON THE DRAWINGS ARE BASED ON THE FOLLOWING:
   a. CURRENT VERSION OF VULCRAFT CATALOG FOR GRAVITY DESIGN LOADS AND UNSHORED CONSTRUCTION SPANS
   b. SDI DIAPHRAGM DESIGN MANUAL 4 FOR DIAPHRAGM LOADS
3. PROVIDE MINIMUM DECK BEARING AND LAP LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.
4. FOR PENETRATIONS LESS THAN OR EQUAL TO 12"Ø OR 12"x12", FRAMING OF OPENINGS FOR OTHER TRADES SHALL BE THE RESPONSIBILITY OF THE TRADES INVOLVED. HOLES LOCATED AND DIMENSIONED ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE DECK ERECTOR. SEE STRUCTURAL FRAMING DETAILS FOR ANY OPENING EXCEEDING LIMITS NOTED.
5. SUBMIT SHOP DRAWINGS SHOWING DECKING LAYOUT, DECK GAUGE, DECK DIRECTION, FASTENERS, AND FASTENING PATTERN FOR REVIEW AND APPROVAL.
6. FURNISH DECKING IN MINIMUM LENGTHS TO ACHIEVE 3-SPAN CONDITION UON.
7. COMPOSITE DECK:
   a. ALL FLOOR DECK SHALL BE GALVANIZED TO CONFORM TO ASTM A653 WITH A MINIMUM COATING OF G60.
   b. CONDUITS SHALL NOT BE PLACED IN SLAB ON DECK WITHOUT COORDINATION WITH THE STRUCTURAL ENGINEER UON.
   c. COORDINATE ALL PENETRATIONS, EMBEDS, AND RECESSES IN COMPOSITE DECK WITH THE STRUCTURAL ENGINEER UON.
   d. COMPOSITE DECK HAS BEEN DESIGNED FOR THE UNSHORED CLEAR SPAN. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS A MINIMUM THICKNESS. CONTRACTOR TO PROVIDE CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM AND DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED. DO NOT INSTALL MORE THAN 1" OF ADDITIONAL CONCRETE WITHOUT NOTIFYING STRUCTURAL ENGINEER.
   e. DECK MANUFACTURER SHALL PROVIDE ALL CLOSURE PLATES AND POUR STOPS NOT PROVIDED BY THE STEEL FABRICATOR.

WOOD

1. **STRUCTURAL SHEATHING:**
2. ALL PANELS TO BE PLYWOOD OR OSB UON. PLYWOOD SHALL BE MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE REQUIREMENTS OF U.S. PRODUCT STANDARDS PS 1 OR PS 2 FOR WOOD SHEATHING.[ENGR NOTE: PS 1 IS FOR PLYWOOD AND PS 2 IS FOR OSB.]
3. ALL PANELS SHALL CONFORM TO THE FOLLOWING NOMINAL THICKNESS, SPAN RATING, AND NAILING PATTERN UON.

THICKNESS	SPAN RATING	EDGE NAILING	FIELD NAILING	NAILING AT BEAMS AND COLLECTORS
15/32" (1/2")	32/16	8d@6"	8d@12"	8d@6"
19/32" (5/8")	32/16	10d@6"	10d@12"	10d@6"
23/32" (3/4")	48/24	10d@6"	10d@12"	10d@6"
1"	60/48	10d@6"	10d@12"	10d@6"
1 1/8"	60/48	10d@6"	10d@12"	10d@6"

4. ROOF SHEATHING:[ENGR NOTE: THE "C-D" IS RELATED TO PLYWOOD VENEER GRADES. IF OSB IS WANTED AS AN OPTION, REMOVE THE "C-D".]
   a. 19/32" MINIMUM UON.
   b. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE, PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING OF 2x4 MINIMUM SIZE.
   c. THICKNESS AND GRADE:
      1. 1/2" 5/8" 3/4", "C-D", EXPOSURE 1
      2. 1 1/8", STURD-I-FLOOR, EXPOSURE 1
5. WALL SHEATHING:
   a. SEE PLANS AND SCHEDULE FOR SHEAR WALL SHEATHING REQUIREMENTS. FOR OTHER WALL SHEATHING, SEE ARCHITECTURAL DRAWINGS UON.
   b. PROVIDE MINIMUM 2x SOLID BLOCKING AT PANEL EDGES OF SHEAR WALL SHEATHING.
   c. AT SHEAR WALLS, PROVIDE NAILING PER SCHEDULE OR MINIMUM LISTED ABOVE.
6. FASTENING REQUIREMENTS UON:
   a. SHEATHING FASTENERS SHALL BE DRIVEN FLUSH BUT SHALL NOT FRACTURE THE FACE PLY.
   b. HOT-DIP GALVANIZED NAILS SHALL BE USED WHEN NAILING TO PRESSURE TREATED MEMBERS.
7. PANEL LAYOUT:
   a. LONG DIMENSION OF PANEL TO BE PERPENDICULAR TO FRAMING MEMBERS, EXCEPT PANELS AT WALLS MAY BE INSTALLED WITH LONG DIMENSION PARALLEL TO STUDS UON.
   b. END JOINTS IN ADJACENT RUNS SHALL BE STAGGERED 4 FEET.
   c. MINIMUM PANEL WIDTH SHALL BE 12".
   d. EDGES OF ALL PANELS LESS THAN 24" WIDE SHALL BE BACKED BY BLOCKING OF 2x4 MINIMUM SIZE.
   e. PROVIDE 1/8" GAP AT ALL SHEATHING JOINTS FOR FLOORS AND WALLS UON ON PLAN OR DETAILS.
8. IF SHEATHING PANELS EXHIBIT SWELLING, NAIL HEAD PULL-THROUGH, SOFT SPOTS, OR OTHER CONDITIONS REDUCING THE STRUCTURAL CAPACITY, REMOVE AND REPLACE.
9. **LUMBER:**
10. COMPLY WITH ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
11. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH, GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION. NOTED ALLOWABLE STRESSES ARE MINIMUMS AND FOR NONREPETITIVE USES PRIOR TO ALLOWABLE STRESS INCREASES AND CONFORMING TO THE NDS AS FOLLOWS:

2" THICK x 4" TO 6" WIDE (WALL STUD ONLY)	NO. 2 Fb=900 PSI Fv=180 PSI E=1,600,000 PSI
2" TO 4" THICK x 6" AND WIDER	NO. 1 Fb=1350 PSI Fv=170 PSI E=1,600,000 PSI
5" THICK x 5" AND WIDER	NO. 1 Fb=1350 PSI Fv=170 PSI E=1,600,000 PSI

12. ALL LUMBER STRESSES SHOWN ABOVE ARE FOR VISUALLY STRESS-RATED LUMBER USED AT 19% MAXIMUM MOISTURE CONTENT WHEN BUILDING IS ENCLOSED, SINGLE MEMBER USE. ALL LUMBER SHALL BE GRADE MARKED.
13. PROVIDE MINIMUM 1 1/2" JOIST BEARING LENGTH UON.
14. NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
15. **MANUFACTURED WOOD PRODUCTS:**
16. LAMINATED VENEER LUMBER (LVL):
    SIZES SHOWN ARE AS MANUFACTURED BY TRUS JOIST, BOISE CASCADE, LOUISIANA PACIFIC, ROSEBURG FOREST PRODUCTS, REDBUILT. MATERIALS, FABRICATION, HANDLING, AND INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDATIONS.
    MATERIAL STRENGTHS:

MODULUS OF ELASTICITY, E	2,000,000 PSI
BENDING STRENGTH, Fb	2600 PSI
SHEAR STRENGTH, Fv	285 PSI

17. NOTCHING OR DRILLING HOLES IN MANUFACTURED WOOD PRODUCTS THAT ARE DIFFERENT FROM THE MANUFACTURER'S GUIDELINES MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION PER DETAILED INSTALLATION RECOMMENDATIONS AND GUIDELINES OF THE MANUFACTURER.
19. NAILING INTO THE SIDE FACE OF AN I-JOIST TOP/BOTTOM CHORD IS NOT PERMITTED.
20. PROVIDE SLOPED SEAT HANGERS FOR SLOPING I-JOIST INSTALLATIONS.
21. ALL HANGERS SELECTED SHALL MATCH THE SIZE OF SUPPORTED MEMBER AND SHALL HAVE FULL NAILING AS SHOWN IN THE ICC REPORT.
22. SUBSTITUTIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND HAVE ICC APPROVED LOAD CAPACITIES EQUAL TO OR GREATER THAN THE SIMPSON STRONG-TIE CONNECTORS.
23. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS FOR MATERIAL TYPES AND FINISHES.
24. PROVIDE STANDARD CAMBERS FOR ALL ROOF BEAMS AND PURLINS UON.
25. SEE MANUFACTURER REQUIREMENTS FOR MINIMUM BEARING LENGTHS.
26. **FASTENING:**
27. ALL NAILS SHALL BE COMMON WIRE NAILS. AT ALL NAILING EXPOSED TO WEATHER OR IN

29. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THE FOLLOWING UON:

CONNECTION	FASTENING
JOIST TO SILL, TOP PLATE OR GIRDER	(3)8d TOENAILS
BRIDGING OR BLOCKING BETWEEN JOISTS OR TRUSSES NOT AT WALL TOP PLATE	(2)8d TOENAILS EACH END OR (2)16d END NAILS
SILL PLATE TO JOIST, RIM JOIST OR BLOCKING	16d@16", FACE NAIL
TOP PLATE TO STUD AND STUD TO SILL PLATE	(2)16d END NAILS FOR 2x (3)16d END NAILS FOR 3x
2x STUD TO TOP OR SILL PLATE	(4)8d TOENAILS OR (2)16d END NAILS
3x STUD TO SILL PLATE	(6)8d TOENAILS OR (3)16d END NAILS
STUD TO STUD	16d@24", FACE NAIL
DOUBLE TOP PLATES	16d@16", FACE NAIL
DOUBLE TOP PLATES, LAP SPLICE	(12)16d EACH SIDE OF SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3)8d TOENAILS
RIM JOIST TO TOP PLATE OR FRAMING BELOW	8d@6", TOENAIL
JOIST TO RIM JOIST	(3)16d END NAILS
TOP PLATE LAPS AT CORNERS AND INTERSECTIONS	(2)16d FACE NAILS
BUILT-UP HEADER	16d@16" ALONG EACH EDGE
CEILING JOIST TO TOP PLATE	(3)8d TOENAILS
CONTINUOUS HEADER TO STUD	(4)8d TOENAILS
CEILING JOIST, LAPS OVER PARTITIONS	(3)16d FACE NAILS
CEILING JOISTS TO PARALLEL RAFTERS	SEE TABLE 2308.7.3.1[ENGR NOTE: CONFIRM CODE SECTION.]
RAFTER OR ROOF TRUSS TO PLATE	(3)10d TOENAILS
BUILT-UP CORNER STUDS	16d@24"
BUILT-UP GIRDERS AND BEAMS, 2x LUMBER LAYERS	20d@32", FACE NAIL ALONG T&B, STAGGERED OPPOSITE SIDES AND (2)20d AT ENDS AND AT EACH SPLICE
FLAT BLOCKING TO TRUSS AND WEB FILLER	16d@16", FACE NAIL
MULTI-PLY LAMINATED VENEER LUMBER (LVL)	SEE MANUFACTURER'S DATA

30. PILOT HOLES SHALL BE PROVIDED FOR ALL NAILS 20d AND LARGER. PILOT HOLES SHALL HAVE A DIAMETER OF APPROXIMATELY 75% OF THE NAIL SHANK DIAMETER.
31. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL OF THE DESIGN PROFESSIONALS.
32. CONTRACTOR TO AVOID SPLITTING WOOD MEMBERS DURING FASTENER INSTALLATION. NAIL HEADS SHOULD BE DRIVEN NO GREATER THAN 1/16 " BELOW WOOD SURFACE.
33. ALL BOLTED WOOD CONNECTIONS SHALL BE MADE WITH A307 BOLTS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME UON. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT. FORCIBLE DRIVING OF BOLTS IS NOT ALLOWED. RETIGHTEN ALL BOLTS BEFORE CONCEALING CONNECTION.
34. USE STANDARD CUT WASHERS BETWEEN THE BOLT HEADS, BOLT NUTS, AND LAG SCREW HEADS AND WOOD FRAMING UON.
35. ALL WOOD CONNECTIONS MADE WITH LAG SCREWS SHALL BE MADE WITH SCREWS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME. CLEARANCE HOLES FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE FOR THREADS SHALL HAVE A DIAMETER EQUAL TO 60-75% OF THE SHANK DIAMETER. LAG SCREWS SHALL BE ENTIRELY INSTALLED BY TURNING WITH A WRENCH.[ENGR NOTE: THE LEAD HOLE SIZE IS BASED ON SOFT WOODS. IF USING HARDWOODS, ADJUST THE 60-75% VALUE.]
36. DETAILS ARE SHOWN WITH SIMPSON STRONG-TIE CONNECTORS AS BASIS OF DESIGN. NAILING SHALL BE PER ICC RESEARCH RECOMMENDATIONS TO ACHIEVE FULL ICC APPROVED LOADS. THE MAXIMUM GAP BETWEEN END OF JOIST AND FACE OF SUPPORTING MEMBER SHALL BE 1/8". WHERE THERE ARE CONNECTOR NAILING ALTERNATIVES LISTED IN THE MANUFACTURER'S CATALOG, THE NAILING PROVIDING THE HIGHEST LOAD CAPACITY SHALL BE USED UON.
37. HANGERS OR CONNECTORS IN CONTACT WITH PRESSURE-TREATED MEMBERS SHALL HAVE ZMAX COATING.
38. **GENERAL CONSTRUCTION REQUIREMENTS:**
39. FOUNDATION PLATES ON CONCRETE SHALL BE PRESSURE-TREATED LUMBER, NO. 2 GRADE MINIMUM. SILL SHALL BE ANCHORED TO CONCRETE WITH 5/8"x4 1/2" EMBEDMENT GALVANIZED SCREW ANCHORS SPACED @ 48" MAXIMUM. THERE SHALL BE A MINIMUM OF THREE SCREW ANCHORS PER SILL PLATE PIECE WITH ONE ANCHOR LOCATED WITHIN 8" OF EACH END OF EACH PIECE. THERE SHALL BE NO SILL PLATE SPLICE UNDER ANY POST OR TRIMMER/KING STUDS.
40. METAL FRAMING CONNECTORS NOTED ON THE DRAWINGS USE SIMPSON STRONG-TIE AS BASIS OF DESIGN UON. SUBSTITUTIONS OF ALTERNATE MANUFACTURERS WILL BE ACCEPTABLE AS LONG AS LOAD CAPACITIES ARE MET OR EXCEEDED AND ARE SUBSTANTIATED BY AN ICC REPORT.
41. FRAMING PLANS INDICATE GENERAL LAYOUT AND DIMENSIONAL CONTROL ONLY. SEE SHOP DRAWINGS FOR ENGINEERING AND ERECTION.
42. SOLID-SAWN LUMBER BEAMS, RAFTERS, AND JOISTS SHALL HAVE LATERAL SUPPORT PREVENTING ROTATION OR DISPLACEMENT PER IBC SECTION 2308.4.6.[ENGR NOTE: IBC SECTION IS BASED ON IBC 2018. CONFIRM IBC SECTION IF USING A DIFFERENT CODE YEAR.]
43. ALL LUMBER SHALL BE MILL SIZED AND SURFACED ON FOUR SIDES AND SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES UON.
44. ALL ROUGH CARPENTRY SHALL PRODUCE JOINTS TRUE, TIGHT, AND WELL NAILED WITH MEMBERS ASSEMBLED IN ACCORDANCE WITH THE DRAWINGS AND ALL PERTINENT BUILDING CODES. THE SHIMMING OF SILLS, JOISTS, SHORT STUDS, TRIMMERS, HEADERS, OR OTHER FRAMING MEMBERS SHALL NOT BE PERMITTED. ALL WALLS AND PARTITIONS SHALL BE STRAIGHT, PLUMB, AND ACCURATELY LOCATED. CAREFULLY SELECT ALL STRUCTURAL MEMBERS SO KNOTS AND OBVIOUS MINOR DEFECTS WILL NOT INTERFERE WITH MAKING SOUND CONNECTIONS.
45. STUD FRAMING BELOW BEAMS, HEADERS, OR GIRDER TRUSSES TO BE CONTINUOUS TO THE FOUNDATION. CONTINUE POST OR STUDS TO THE FOUNDATION. INFILL FRAMING BETWEEN FLOOR TRUSSES OR JOISTS TO MATCH SIZE AND NUMBER OF STUDS ABOVE.
46. ALL STUD PACKS SHALL BE BUILT-UP (3)2x6 AT 2x6 WALLS OR (3)2x4 WALLS UON. PROVIDE (1) KING AND (2) TRIMMERS UON.
47. PROVIDE MINIMUM (2) STUDS UNDER GIRDER TRUSS OR MATCH PLIES OF THE GIRDER TRUSS IF TRUSS EXCEEDS 2 PLYS.
48. ALL HEADERS SHALL BE A MINIMUM OF (3)2x8 AT 2x6 WALLS OR (2)2x8 AT 2x4 WALLS UON. ALL HEADERS SHALL BE BUILT OUT TO 3 1/2" WIDTH FOR 2x4 WALLS OR 5 1/2" WIDTH FOR 2x6 WALLS BY ADDING PLYWOOD OR INSULATION SPACES AS REQUIRED.
49. INFILL FRAMING BEHIND HOLDOWN STRAPS AT FLOOR TRUSSES OR JOISTS SHALL MATCH KING STUDS OR POST AT END OF SHEAR WALL ABOVE.
50. INSTALL ALL BLOCKING AS REQUIRED TO SUPPORT ALL REQUIRED FINISHES AND EQUIPMENT. PROVIDE 2x FIRE BLOCKING TO CUT OFF ALL CONCEALED DRAFT OPENINGS, BOTH VERTICAL AND HORIZONTAL, BETWEEN CEILING AND FLOOR AREAS. VERIFY ALL REQUIRED BLOCKING WITH ARCHITECTURAL DRAWINGS AND LOCAL BUILDING OFFICIAL.
51. ALL LUMBER AND PRODUCTS SHALL BE HANDLED AND STORED TO PREVENT MARRING AND MOISTURE ABSORPTION. NO DIRECT CONTACT WITH THE GROUND IS PERMITTED.
52. PROTECTION AGAINST DECAY AND TERMITES:
    a. ALL LUMBER: WHEN IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE-TREATED WOOD IN ACCORDANCE WITH AWPA UC1. BOTTOM OF SILLS AT EXTERIOR WALLS SHALL NOT BE LESS THAN 8" ABOVE OUTSIDE GRADE EXCEPT WHERE GRADE IS PAVED OVER FOR 18" MINIMUM WIDTH AND DRAINING AWAY FROM THE BUILDING. FOR THAT CONDITION, SILL MAY BE 2" ABOVE.
    b. EXTERIOR COLUMNS AND POSTS: IN AREAS EXPOSED TO WATER SPLASH AND EXTERIOR CONDITIONS, COLUMN/POST SHALL BE SUPPORTED BY A METAL CONNECTOR AND BE TREATED IN ACCORDANCE WITH AWPA UC3.
    c. STRUCTURAL SUPPORTS OF BALCONIES, PORCHES, OR SIMILAR APPURTENANCES: WHEN MEMBERS ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE ROOF PROTECTION PREVENTING WATER ACCUMULATION, THEY SHALL BE TREATED WOOD IN ACCORDANCE WITH AWPA UC3.
    d. MOISTURE CONTENT: WHEN WOOD IS PRESSURE TREATED WITH A WATERBORNE PRESERVATIVE AND LOCATED IN ENCLOSED SPACES WHERE DRYING IN SERVICE CANNOT READILY OCCUR, SUCH WOOD SHALL BE AT A MOISTURE CONTENT OF 19% OR LESS BEFORE BEING COVERED.
    e. USE AWPA UC4 AT ALL WOOD IN CONTACT WITH SOIL.
53. NOTCHES AND BORED HOLE PENETRATIONS IN WOOD STUD WALLS SHALL CONFORM TO SECTION 2308 OF THE BUILDING CODE AND TYPICAL DETAIL, WHICHEVER IS MORE RESTRICTIVE.[ENGR NTOE: CONFIRM CODE SECTION.]
54. ALL APPLICABLE FRAMING STANDARDS OR GRADING RULES SPECIFIED SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION BY AN APPROVED AGENCY. ALL LUMBER AND PLYWOOD REQUIRED TO BE TREATED WOOD SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY WHICH MAINTAINS CONTINUED SUPERVISION, TESTING, AND INSPECTION OVER THE QUALITY OF THE PRODUCT.
55. WALL STUD CONSTRUCTION IS DESIGNED TO BE BRACED BY THE WALL SHEATHING (WOOD STRUCTURAL PANEL OR GYPSUM BOARD). CONTRACTOR TO PROVIDE TEMPORARY BRACING, AS REQUIRED, UNTIL SHEATHING IS INSTALLED.
56. ALL DRYWALL, WINDOWS, EXTERIOR CLADDING, MEP, ETC. SHALL BE ARCHITECTURALLY DETAILED AND CONSTRUCTED BY THE CONTRACTOR TO ACCOMMODATE ESTIMATED VERTICAL MOVEMENT DUE TO CRUSHING, SHRINKAGE, AND CONSTRUCTION GAPS. STRUCTURAL ENGINEER SHALL NOT BE HELD LIABLE FOR ANY POST-CONSTRUCTION REMEDIATION REQUIRED AS A RESULT OF DIFFERENTIAL MOVEMENT.

METAL PLATE CONNECTED WOOD TRUSSES

1. DESIGN, FABRICATE, TRANSPORT, AND ERECT METAL PLATE CONNECTED WOOD TRUSSES IN ACCORDANCE WITH LATEST STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA) STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
2. DESIGN FOR LOADS, IN ADDITION TO MEMBER WEIGHTS, AS NOTED ON THE DRAWINGS AND PER APPLICABLE CODE REQUIREMENTS.
3. PREFABRICATED PRE-ENGINEERED TRUSSES ARE PERFORMANCE SPECIFIED. WOOD GRADE, SECTION, BRACING, CONNECTIONS, AND SIMILAR DETAILS ARE THE RESPONSIBILITY OF THE MANUFACTURER BASED ON REQUIRED LOADING.
4. ALL TRUSS-TO-TRUSS CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER.
5. ALL PERMANENT AND TEMPORARY BRACING SHALL BE DESIGNED BY THE TRUSS MANUFACTURER UON.
6. COMPONENT DESIGN SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION. SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS FOR REVIEW BY THE DESIGN PROFESSIONALS.
7. SHOP DRAWINGS SHALL SHOW THE TRUSS DESIGN LOADS, SIZE AND GRADE OF THE CHORDS AND WEBS, TRUSS DEFLECTION, LOCATIONS OF THE JOINTS AND CONNECTIONS, SIZE AND TYPE AND LOCATION OF THE METAL PLATES, AND ALL BRACING AND BLOCKING REQUIREMENTS.
8. ROOF TRUSS LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360. TOTAL LOAD DEFLECTION SHALL NOT EXCEED L/240. TRUSS SPACING SHALL NOT EXCEED 24".
9. MAXIMUM DIFFERENTIAL DEFLECTION SHALL BE 1/2" BETWEEN ADJACENT TRUSSES (LIVE LOAD ONLY OR TOTAL LOAD).
10. TRUSS MANUFACTURER SHALL NOT EXCEED THE ALLOWABLE BEARING STRESS PERPENDICULAR TO GRAIN OF THE SUPPORTING MEMBER.
11. TRUSS MANUFACTURER TO CONFIRM CEILING SLOPES AND CONFIGURATION WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.
12. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND ATYPICAL SPANS. GENERAL CONTRACTOR SHALL COORDINATE WEB OPENING MISALIGNMENT WITH MECHANICAL, ELECTRICAL, AND PLUMBING ROUTING.
13. TRUSS MANUFACTURER TO COORDINATE ALL REQUIRED PLAN OPENINGS WITH MECHANICAL. PROVIDE TRUSS FRAMING AS REQUIRED.
14. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING.
15. ALL TRUSSES ARE TO BE DESIGNED AS SINGLE-SPAN TRUSSES USING BEARING POINTS INDICATED ON PLAN UON.
16. ROOF TRUSS SHALL BE FASTENED TO THE SUPPORTING MEMBER WITH SIMPSON H2.5A TIES UON AND SHALL BE ATTACHED PER MANUFACTURER'S RECOMMENDATIONS.[ENGR NOTE: VERIFY IF APPLICABLE TO PROJECT.]

POST-INSTALLED ANCHORS

1. BASIS OF DESIGN ANCHORS:

INSTALLATION CONDITION	ANCHOR TYPE
EXPANSION ANCHORS INTO CONCRETE	HILTI KWIK BOLT TZ2 (ESR-4266)
SCREW ANCHORS > 1/4"Ø INTO CONCRETE	HILTI KWIK HUS-EZ (ESR-3027)
ADHESIVE ANCHORS INTO CONCRETE	HILTI SAFE-SET SYSTEM w/ HIT-HY 200 V3 AND HIT-Z ROD (ESR-4868) or HILTI SAFE-SET SYSTEM w/ HIT-HY 200 V3 AND HAS-E THREADED ROD (ESR-4868) or HILTI SAFE-SET SYSTEM w/ HIT-RE 500 V3 AND HAS-E THREADED ROD (ESR-3814) FOR ALL ADHESIVE ANCHORS, HOLES SHALL BE HAMMER DRILLED AND HOLES MAY BE DRY OR WATER SATURATED.
EXPANSION ANCHORS INTO GROUTED CMU	HILTI KWIK TZ2 (ESR-4561)
SCREW ANCHORS > 1/4"Ø INTO GROUTED CMU	HILTI KWIK HUS-EZ (ESR-3056)
SCREW ANCHORS = 1/4"Ø INTO CONCRETE OR GROUTED CMU	HILTI KWIK-CON II+
ADHESIVE ANCHORS IN GROUTED CMU OR SOLID BRICK	HILTI HIT-HY 270 SYSTEM w/ HAS-E THREADED ROD (ESR-4143)
ADHESIVE ANCHORS INTO HOLLOW CMU, BRICK OR MULTI-WYTHE BRICK WALLS	HILTI HIT-HY 270 SYSTEM w/ HAS-E THREADED ROD AND APPROPRIATE SCREEN TUBE (ESR-4144)
ADHESIVE DOWELING FOR ANCHORING REINFORCING BARS INTO (E) CONCRETE	HILTI SAFE-SET SYSTEM w/ HIT-HY 200 V3 ADHESIVE (ESR-4868) or HILTI SAFE-SET SYSTEM w/ HIT-RE 500 V3 ADHESIVE (ESR-3814)
POWDER-ACTUATED FASTENERS (PAF's) IN CONCRETE	HILTI X-U FASTENERS (ESR-2269)

2. ALTERNATIVE ANCHORS MAY BE USED IF APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. THE CONTRACTOR SHALL SUBMIT CALCULATIONS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT'S JURISDICTION VERIFYING PROPOSED ALTERNATIVE ANCHORS WILL PROVIDE THE SAME OR GREATER LOAD-CARRYING CAPACITY AS THE SPECIFIED ANCHORS. THE CONTRACTOR SHALL SUBMIT EVALUATION REPORTS. EACH ANCHOR CONFIGURATION SHALL BE EVALUATED AND COMPARED TO THE SPECIFIED ANCHOR.
3. CRACKED CONCRETE IS ASSUMED FOR ALL ANCHORAGE DESIGN CONDITIONS UNLESS IT CAN BE DEMONSTRATED THROUGH ENGINEERING ANALYSIS THAT THE CONCRETE REMAINS UNCRACKED DURING THE GOVERNING ULTIMATE LOAD STATE.
4. POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
5. THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR EACH SPECIFIED ANCHOR TYPE. THE STRUCTURAL ENGINEER SHALL RECEIVE DOCUMENTATION VERIFYING ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS HAVE BEEN TRAINED PRIOR TO COMMENCEMENT OF INSTALLING ANCHORS.
6. INSTALLATION OF ADHESIVE ANCHORS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPROVED CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM OR EQUIVALENT. THE ACCEPTABILITY OF CERTIFICATIONS OTHER THAN THE ACI/CRSI ADHESIVE INSTALLER CERTIFICATION WILL BE DETERMINED BY THE STRUCTURAL ENGINEER.
7. CONCRETE SHALL HAVE ACHIEVED DESIGN STRENGTH PRIOR TO INSTALLING POST-INSTALLED ANCHORS. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE THAT HAS CURED FOR A MINIMUM OF 21 DAYS.
8. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ANCHORS AND PROXIMITY OF ANCHORS TO EDGES OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
9. POST-INSTALLED ANCHORS AND DOWELS SHALL BE INSTALLED IN A MANNER THAT DOES NOT DAMAGE REINFORCING STEEL, CONDUIT OR OTHER EMBEDDED ITEMS. REINFORCING STEEL SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO DRILLING HOLES. PLATES AND BRACKETS THROUGH WHICH ANCHORS WILL BE INSTALLED SHALL NOT BE FABRICATED UNTIL AFTER REINFORCING STEEL IS LOCATED AND ANCHOR LOCATIONS ARE ADJUSTED. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER TO OBTAIN ALTERNATIVE ANCHOR LAYOUT WHERE ANCHORS MUST BE RELOCATED TO AVOID INTERFERENCE WITH REINFORCING STEEL.
10. ADHESIVE ANCHORING SYSTEMS ARE PERMITTED TO BE USED FOR INSTALLATION OF REINFORCING STEEL INTO EXISTING CONCRETE ONLY WHERE SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS OR WITH APPROVAL FROM THE STRUCTURAL ENGINEER. LOCATIONS WHERE REINFORCING STEEL WAS INCORRECTLY PLACED OR MISSED SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
11. WHERE POST-INSTALLED MECHANICAL ANCHOR EMBEDMENT DEPTHS ARE SPECIFIED, THOSE DEPTHS ARE THE REQUIRED MINIMUM NOMINAL EMBEDMENT DEPTHS. WHERE MECHANICAL ANCHOR EMBEDMENT DEPTHS ARE NOT INDICATED, THE ANCHORS SHALL BE INSTALLED TO THE MAXIMUM EMBEDMENT DEPTH NOTED IN THE MANUFACTURER'S PRODUCT TECHNICAL GUIDE.
12. ADHESIVE ANCHORS SHALL BE INSTALLED WITH A MINIMUM 6" EMBEDMENT DEPTH UON.
13. QUALIFICATION OF ANCHORS SHALL INCLUDE THE TESTING AND EVALUATION OF ANCHORS BY AN INDEPENDENT TESTING AND EVALUATION AGENCY ACCREDITED UNDER ISO/IEC 17025 CONFORMING TO THE REQUIREMENTS OF ISO/IEC 17011. THE INTERNATIONAL CODE COUNCIL EVALUATION SERVICE (ICC-ES) SHALL SERVE AS THE DEFAULT TESTING AND INSPECTION AGENCY UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.[ENGR NOTE: INCLUDE ONLY WHEN DOCUMENTATION OF EVALUATION CRITERIA IS REQUIRED BY THE JURISDICTION.]
14. THE ICC EVALUATION SERVICE REPORT (ESR) SHALL BE IN CONFORMANCE WITH THE ICC-ES CRITERIA AS INDICATED.[ENGR NOTE: INCLUDE ONLY WHEN DOCUMENTATION OF EVALUATION CRITERIA IS REQUIRED BY THE JURISDICTION.]
15. ANCHORAGE OF NONSTRUCTURAL DESIGNATED SEISMIC SYSTEMS WITH SEISMIC QUALIFICATIONS IN ACCORDANCE WITH ASCE 7 SECTION 13.2.2 SHALL CONFORM TO THE CERTIFICATE OF COMPLIANCE FOR THE DESIGNATED SYSTEM.[ENGR NOTE: INCLUDE FOR FACILITIES WITH SPECIALIZED NONSTRUCTURAL SYSTEMS THAT ARE REQUIRED FOR POST-EVENT OPERATION.]

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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REF. SCALE IN INCHES
PROJECT #25006561.00

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

Six Flags Entertainment Corporation

GENERAL NOTES
UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
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GENERAL

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE GENERAL CONTRACTOR. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTIONS AND TESTS ARE REQUIRED FOR MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN CHAPTER 17 OF THE IBC OR IN STANDARDS REFERENCED BY THE IBC. THESE ITEMS INCLUDE:
   a. POST-INSTALLED ANCHORS - INSPECTION
5. THE FOLLOWING WORK SHALL BE INSPECTED BY THE SPECIAL INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.

CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	-	X	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3	-
REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	AWS D1.4 ACI 318: 26.13.1.4	-
b. INSPECT WELDING OF REINFORCEMENT FOR SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS	X	-	AWS D1.4 ACI 318: 26.13.3	-
c. INSPECT WELDED REINFORCEMENT SPLICES	X	-	-	-
d. INSPECT WELDING OF PRIMARY TENSION REINFORCEMENT IN CORBELS	X	-	-	-
e. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	AWS D1.4 ACI 318: 26.13.3	-
f. INSPECTS ALL OTHER WELDS	-	X	AWS D1.4 ACI 318: 26.13.3	-
INSPECT ANCHORS CAST IN CONCRETE	-	X	ACI 318: 26.13.3.3	-
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	-	ACI 318: 26.13.3.2	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	-	X	ACI 318: 26.13.3	-
VERIFY USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH 19, 26.4.3, 26.4.4	1904.1, 1904.2
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C31, ASTM C172, ACI 318: 26.5, 26.12	-
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	-
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 26.5.3-26.5.5	-
INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES	X	-	ACI 318: 26.10	-
b. GROUTING OF BONDED PRESTRESSING TENDONS	X	-	ACI 318: 26.10	-
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: 26.9	-
FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SDC C, D, E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR:			ACI 318: 26.13.1.3 ACI 550.5	
a. INSTALLATION OF THE EMBEDDED PARTS	X	-	-	-
b. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS	X	-	-	-
c. COMPLETION OF CONNECTIONS IN THE FIELD	X	-	-	-
INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5	-	X	ACI 318: 26.13.1.3	
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	ACI 318: 26.11.2	-
INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 26.11.1.2(b)	-

STRUCTURAL STEEL - INSPECTION TASKS PRIOR TO BOLTING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	RCSC SECTIONS
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	TABLE N5.6-1	2.9
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	TABLE N5.6-1	FIG. C-2.1
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	O	O	TABLE N5.6-1	2.7
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	TABLE N5.6-1	4, 8
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	TABLE N5.6-1	3.2, 3.4, 4, 9.3
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O	TABLE N5.6-1	7, 8.2, 9.2
PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O	TABLE N5.6-1	2.10

2. O=OBSERVE AND P=PERFORM

STRUCTURAL STEEL - INSPECTION TASKS DURING BOLTING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	RCSC SECTIONS
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	O	TABLE N5.6-2	7.1, 8.1, 8.2
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O	TABLE N5.6-2	8.1, 8.2, 9.1
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O	TABLE N5.6-2	8.2
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O	TABLE N5.6-2	8.1, 8.2

2. O=OBSERVE AND P=PERFORM

STRUCTURAL STEEL - INSPECTION TASKS AFTER BOLTING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	RCSC SECTIONS
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	TABLE N5.6-3	-

2. P=PERFORM

STRUCTURAL STEEL - INSPECTION TASKS PRIOR TO WELDING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	AWS D1.1 CLAUSES
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O	TABLE N5.4-1	-
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	P	P	TABLE N5.4-1	8.3
MANUFACTURER CERTIFICATES FOR WELDING CONSUMABLES AVAILABLE	P	P	TABLE N5.4-1	8.2
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O	TABLE N5.4-1	8.2
WELDER IDENTIFICATION SYSTEM	O	O	TABLE N5.4-1	8.4 (WELDER QUALIFICATIO N)
a. FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED	O	O	TABLE N5.4-1	-
b. DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE EOR	O	O	TABLE N5.4-1	-
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)				
a. JOINT PREPARATIONS	O	O	TABLE N5.4-1	8.5.2
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	O	O	TABLE N5.4-1	7.21
c. CLEANLINESS (CONDITION OF STEEL SURFACES)	O	O	TABLE N5.4-1	7.14
d. TACKING (TACK WELD QUALITY AND LOCATION)	O	O	TABLE N5.4-1	7.17
e. BACKING TYPE AND FIT (IF APPLICABLE)	O	O	TABLE N5.4-1	7.9, 7.21.1.1
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- & K- CONNECTIONS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)				
a. JOINT PREPARATIONS	P	O	TABLE N5.4-1	10.10
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	P	O	TABLE N5.4-1	10.10
c. CLEANLINESS (CONDITION OF STEEL SURFACES)	P	O	TABLE N5.4-1	10.10
d. TACKING (TACK WELD QUALITY AND LOCATION)	P	O	TABLE N5.4-1	10.10
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	TABLE N5.4-1	7.16 (& SEE AISC 360 SECT. J1.6)
FIT-UP OF FILLET WELDS	O	O	TABLE N5.4-1	
a. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	O	O	TABLE N5.4-1	7.21.1
b. CLEANLINESS (CONDITION OF STEEL SURFACES)	O	O	TABLE N5.4-1	7.14
c. TACKING (TACK WELD QUALITY AND LOCATION)	O	O	TABLE N5.4-1	7.17
CHECK WELDING EQUIPMENT	O	-	TABLE N5.4-1	8.2, 7.10

2. O=OBSERVE AND P=PERFORM

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-026352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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SPECIAL INSPECTIONS AND TESTS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

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STRUCTURAL STEEL - INSPECTION TASKS DURING WELDING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	AWS D1.1 CLAUSES
USE OF QUALIFIED WELDERS	O	O	TABLE C-N5.4-2	8.4
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	TABLE N5.4-2	8.2
a. PACKAGING	O	O	TABLE N5.4-2	7.3.1
b. EXPOSURE CONTROL	O	O	TABLE N5.4-2	7.3.2 (FOR SMAW), 7.3.3 (FOR SAW)
NO WELDING OVER CRACKED TACK WELDS	O	O	TABLE N5.4-2	7.17
ENVIRONMENTAL CONDITIONS				7.11
a. WIND SPEED WITHIN LIMITS	O	O	TABLE N5.4-2	-
b. PRECIPITATION AND TEMPERATURE	O	O	TABLE N5.4-2	-
WPS FOLLOWED	O	O	TABLE 5.4-2	7.5, 7.20, 8.3.3, 8.5.2
a. SETTINGS ON WELDING EQUIPMENT	O	O	TABLE N5.4-2	-
b. TRAVEL SPEED	O	O	TABLE N5.4-2	-
c. SELECTED WELDING MATERIALS	O	O	TABLE N5.4-2	-
d. SHIELDING GAS TYPE/FLOW RATE	O	O	TABLE N5.4-2	-
e. PREHEAT APPLIED	O	O	TABLE N5.4-2	7.6, 7.7
f. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)	O	O	TABLE N5.4-2	7.6, 7.7
g. PROPER POSITION (F, V, H, OH)	O	O	TABLE N5.4-2	-
WELDING TECHNIQUES	O	O	TABLE 5.4-2	7.23, 7.29.1, 8.5.2, 8.5.3
a. INTERPASS AND FINAL CLEANING	O	O	TABLE N5.4-2	-
b. EACH PASS WITHIN PROFILE LIMITATIONS	O	O	TABLE N5.4-2	-
c. EACH PASS MEETS QUALITY REQUIREMENTS	O	O	TABLE N5.4-2	-
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P	TABLE N5.4-2	-

STRUCTURAL STEEL - INSPECTION TASKS AFTER WELDING (AS A MINIMUM)

VERIFICATION AND INSPECTION TASK	QC	QA	AISC 360	AWS D1.1 CLAUSES
WELDS CLEANED	O	O	TABLE N5.4-3	7.29.1
SIZE, LENGTH, AND LOCATION OF WELDS	P	P	TABLE N5.4-3	8.5.1
WELDS MEET VISUAL ACCEPTANCE CRITERIA			TABLE N5.4-3	8.5.3
a. CRACK PROHIBITION	P	P	TABLE N5.4-3	TABLE 8.1(1)
b. WELD/BASE-METAL FUSION	P	P	TABLE N5.4-3	TABLE 8.1(2)
c. CRATER CROSS-SECTION	P	P	TABLE N5.4-3	TABLE 8.1(3)
d. WELD PROFILES	P	P	TABLE N5.4-3	TABLE 8.1(4), 7.23
e. WELD SIZE	P	P	TABLE N5.4-3	TABLE 8.1(6)
f. UNDERCUT	P	P	TABLE N5.4-3	TABLE 8.1(7)
g. POROSITY	P	P	TABLE N5.4-3	TABLE 8.1(8)
ARC STRIKES	P	P	TABLE N5.4-3	7.28
k-AREA[1]	P	P	TABLE N5.4-3	-
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES[2]	P	P	TABLE N5.4-3	7.16 (& SEE AISC 360 SECT. J1.6)
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P	TABLE N5.4-3	7.9, 7.30
REPAIR ACTIVITIES	P	P	TABLE N5.4-3	7.25
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER[3]	P	P	TABLE N5.4-3	8.5.4, 8.5.5
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O	TABLE N5.4-3	-

2. O=OBSERVE AND P=PERFORM
3. [1] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" OF THE WELD.
   [2] AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.
   [3] DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE EOR.

STEEL DECKING

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE
DECK PLACEMENT AND ATTACHMENT	X	X	-

WOOD FRAMING

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	IBC REFERENCE
PREFABRICATED WOOD STRUCTURAL ELEMENTS	-	X	1704.2.5
INSTALLATION OF PERMANENT RESTRAINT/BRACING FOR METAL-PLATE-CONNECTED WOOD TRUSS INDIVIDUAL MEMBERS SPANNING 60 FEET OR GREATER	-	X	1705.5.2
TEMPORARY INSTALLATION RESTRAINT/BRACING FOR METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER	-	X	1705.5.2
HIGH-LOAD DIAPHRAGMS:			
a. SHEATHING GRADE AND THICKNESS	X	-	1705.5.1
b. MEMBER SIZES AT ADJOINING PANEL EDGES	X	-	1705.5.1
c. DIAPHRAGM NAILING (SIZE, LENGTH, QUANTITY, AND SPACING)	X	-	1705.5.1
LATERAL FORCE RESISTING SYSTEM (SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS, WHERE FASTENER SPACING AT PANEL EDGES IS 4" OR LESS):			
a. FIELD GLUING OF ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM	X	-	1705.12.1, 1705.13.2
b. NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM	-	X	1705.12.1, 1705.13.2

SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIAL	-	X
DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.327.2320
www.imegcorp.com

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SPECIAL INSPECTIONS AND TESTS
UTILITY DEMO PLAN - WEST

SFGM - COASTER

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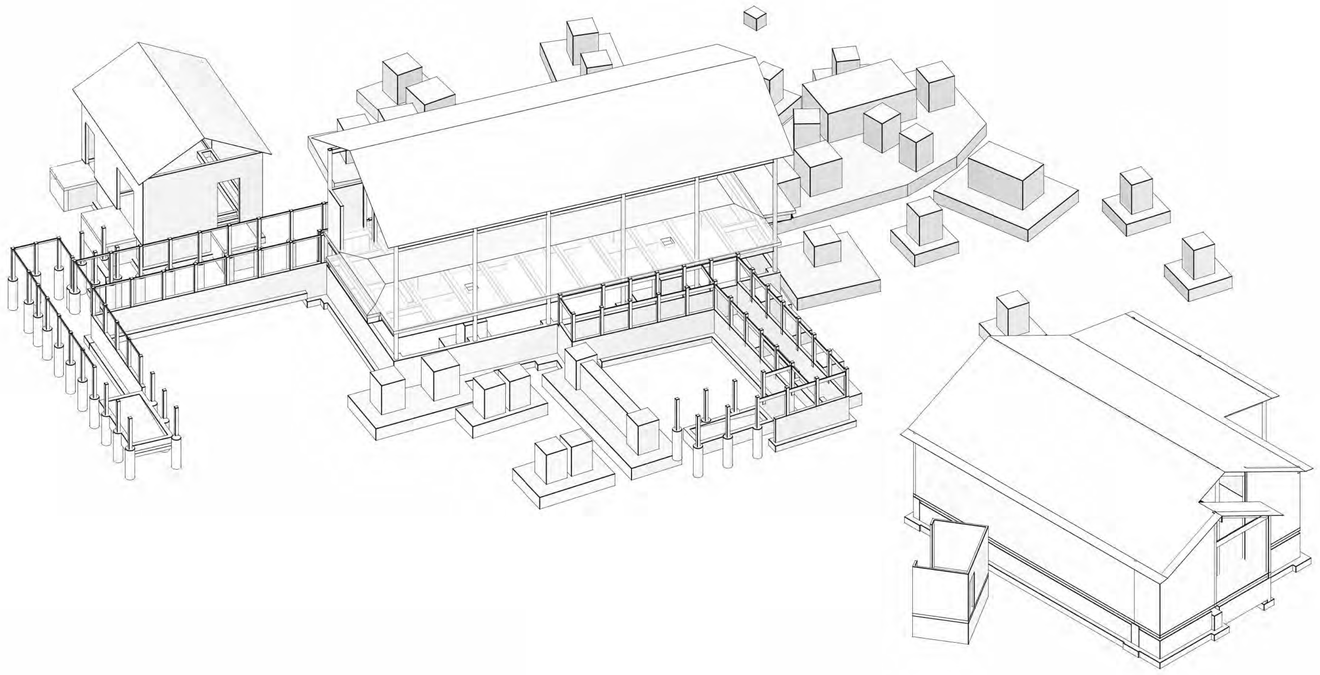
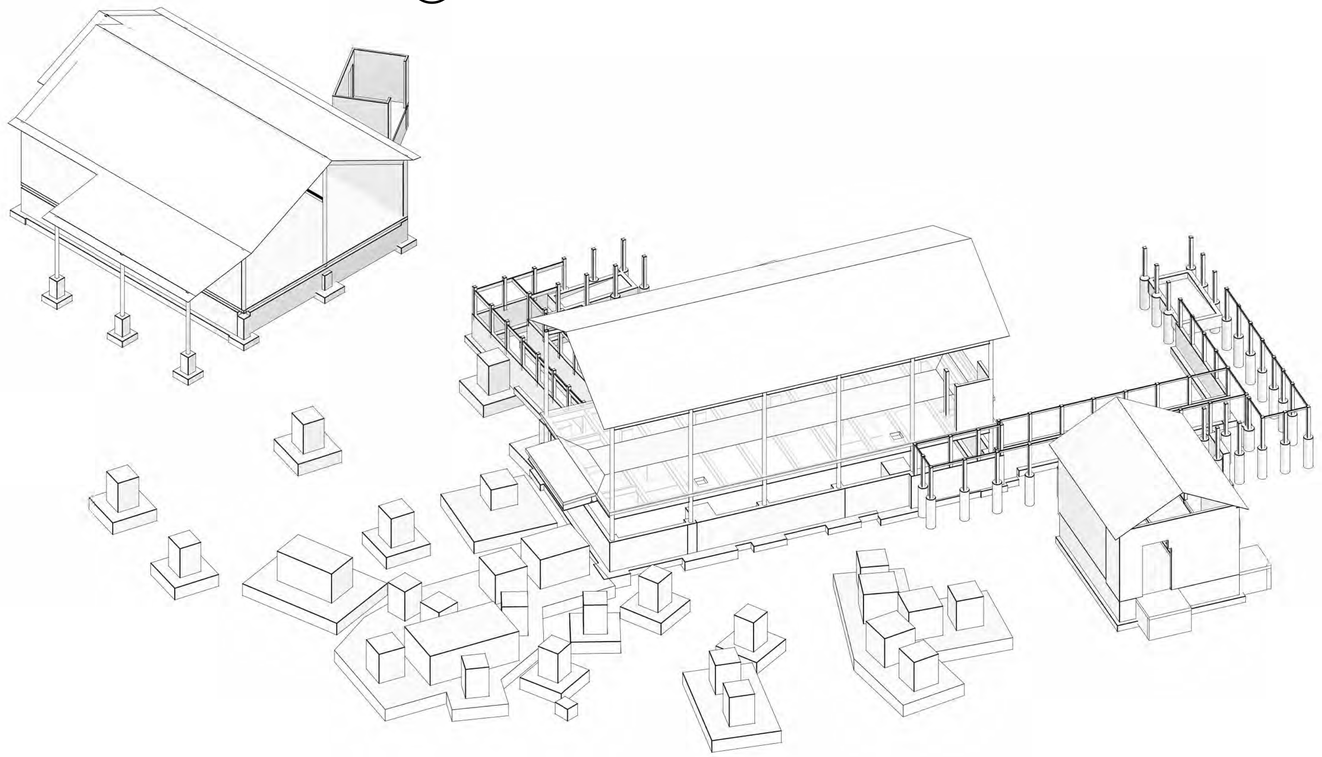


1 3D VIEW (FOR REFERENCE ONLY)



2 3D VIEW (FOR REFERENCE ONLY)

STRUCTURAL ABBREVIATION KEY			
ABBR:	**DESCRIPTION:**	**ABBR:**	**DESCRIPTION:**
(E)	EXISTING	HSA	HEADED STUD ANCHOR
ADDL	ADDITIONAL	LL	LIVE LOAD
B.O.	BOTTOM OF	LLH	LONG LEG HORIZONTAL
BF	BRACED FRAME	LLV	LONG LEG VERTICAL
BN	BOUNDARY NAILING	LONG.	LONGITUDINAL
BOT	BOTTOM	LSH	LONG SIDE HORIZONTAL
BTWN	BETWEEN	LSV	LONG SIDE VERTICAL
CFS	COLD FORM STEEL	NTS	NOT TO SCALE
CGS	CENTER OF GRAVITY OF THE TENDON	OPP	OPPOSITE, OPPOSITE HAND
CJP	COMPLETE JOINT PENETRATION WELD	PAF	POWDER ACTUATED FASTENER
CLR	CLEAR	PJP	PARTIAL JOINT PENETRATION WELD
CL	CENTERLINE	PL	PLATE
CONN	CONNECTION	REQD	REQUIRED
CONST	CONSTRUCTION	SC	SLIP CRITICAL
DBA	DEFORMED BAR ANCHOR	SFRS	SEISMIC FORCE-RESISTING SYSTEM
DL	DEAD LOAD	SIM	SIMILAR
EA	EACH	SL	SNOW LOAD
EF	EACH FACE	SP	SPACE(S)
EL	ELEVATION	SQ	SQUARE
E.N.	EDGE NAILING	T&B	TOP AND BOTTOM
EOD	EDGE OF DECK	T.O.	TOP OF
EOS	EDGE OF SLAB	TC	PRE-TENSIONED BOLT
EW	EACH WAY	TRANS	TRANSVERSE
EXT	EXTERIOR	UON	UNLESS OTHERWISE NOTED
FN	FIELD NAILING	VERT	VERTICAL
GA	GAGE OR GAUGE	VIF	VERIFY IN FIELD
GL	GLULAM	w/	WITH
GT	GIRDER TRUSS	WP	WORK POINT
HORIZ	HORIZONTAL	WWR	WELDED WIRE REINFORCING

FOUNDATION SYMBOLS:		
SYMBOL	**DESCRIPTION**	**DETAIL REFERENCE**
	SLAB DEPRESSION	
S	STEP IN FOOTING	

CONCRETE SYMBOLS:		
SYMBOL	**DESCRIPTION**	**DETAIL REFERENCE**
RAMP UP	RAMP (DIRECTION)	N/A
	RAMP DOWN	
	RAMP UP	
	SLAB CURB WALL	
	SLAB DROP	
	SLAB FOLD	
	SLAB THICKNESS CHANGE	
	SLAB/BEAM	
	SLOPING SLAB DROP	

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOHUE
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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ABBREVIATIONS, SYMBOLS AND 3D VIEWS
UTILITY DEMO PLAN - WEST

SFGM - COASTER

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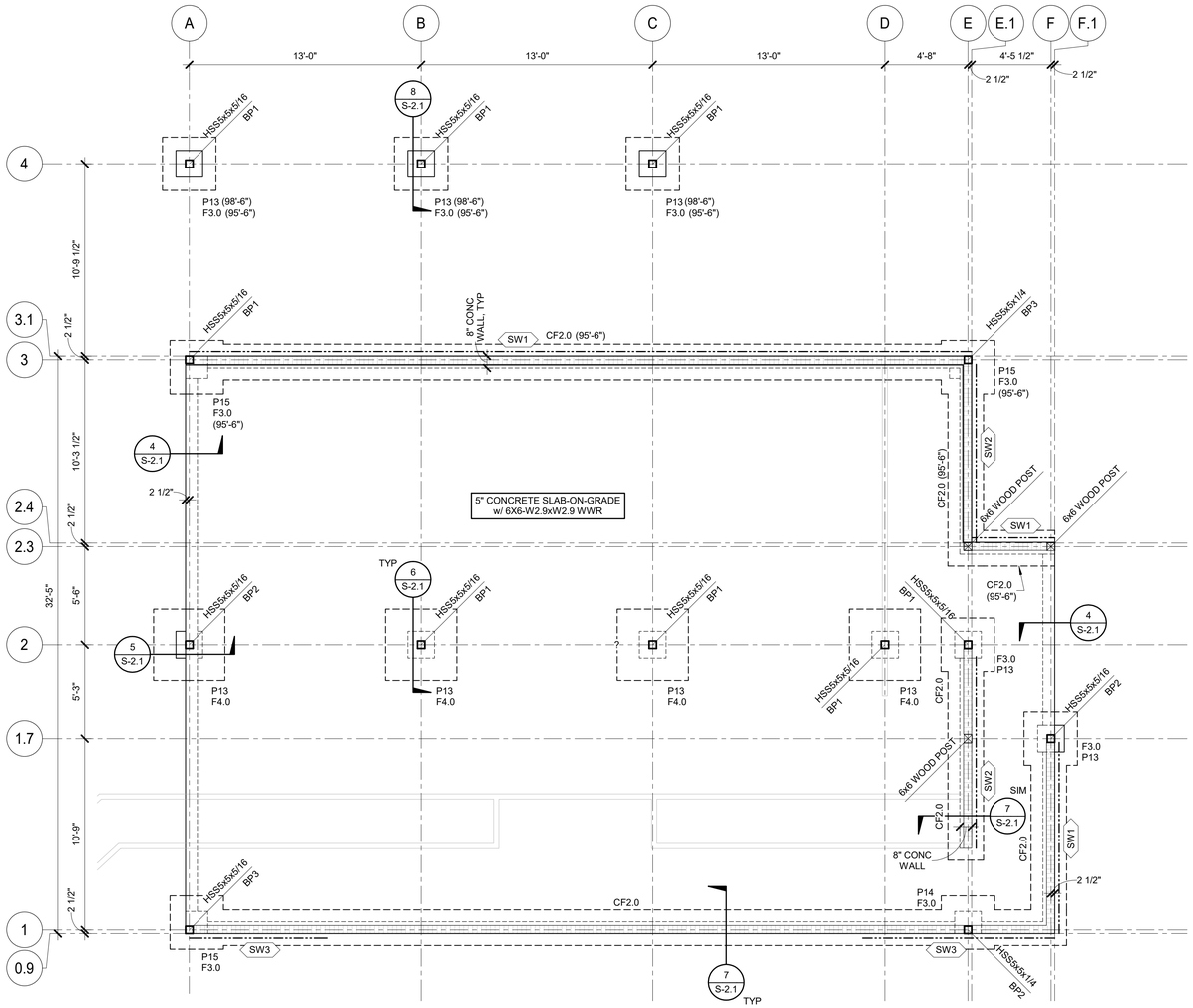
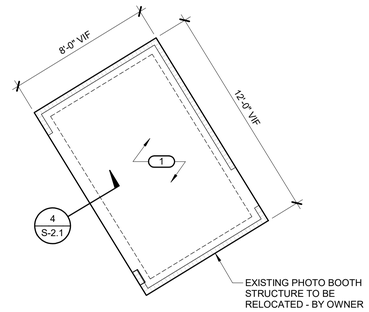


1 FOUNDATION PLAN - QUEUE BUILDING

1/4" = 1'-0"



2 PHOTO BOOTH FOUNDATION PLAN

1/4" = 1'-0"

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATION (100'-0') IS EQUAL TO CIVIL EL (718.00').
2. TOP OF SLAB EL (100'-6") UON.
3. TOP OF FOOTING EL (97'-6") UON.
4. SEE GENERAL NOTES AND TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. EXTERIOR T.O. FOUNDATION WALL EL (101'-0") UON.
7. T.O. PIER EL (99'-6") UON.
8. P# INDICATES PIER TYPE PER DETAILS 1,2, AND 3/S-2.1.
9. BP# INDICATES BASE PLATE TYPE PER DETAILS ON S-3.0.
10. SEE ARCHITECTURAL DRAWINGS FOR SLAB CONTOURS, VALLEYS AND RIDGES, FLOOR DRAINS, CURBS, ETC.
11. SEE 1/S2.0 FOR TYPICAL SLAB ON GRADE DETAIL.
12. PROVIDE PIPE SLEEVES AT ALL LOCATIONS WHERE MECHANICAL PIPES PENETRATE WALL. VERIFY LOCATIONS WITH MECHANICAL DRAWINGS. SEE DETAIL 2/S-2.0.
13. SW# INDICATES SHEAR WALL. SEE S-4.0 FOR SCHEDULE AND DETAILS.

KEYNOTES: (#)

1. 5" CONCRETE SLAB-ON-GRADE w/ 6X6-W2.9xW2.9 WWR.

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING		REMARKS
			LONG DIRECTION	SHORT DIRECTION	
CF2.0	2'-0"	1'-0"	(3)#5	#5@12" OC	
CF2.75	2'-9"	1'-0"	(4)#5	#5@12" OC	

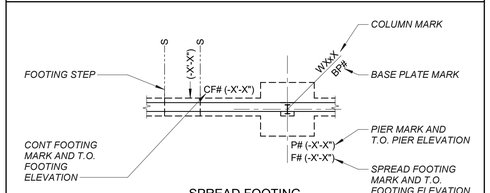
SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	DEPTH	REINFORCING		REMARKS
				LONG DIRECTION	SHORT DIRECTION	
F3.0	3'-0"	3'-0"	1'-0"	(3)#5	(3)#5	-
F4.0	4'-0"	4'-0"	1'-0"	(4)#5	(4)#5	-
F4.0A	4'-0"	4'-0"	2'-0"	(4)#5	(4)#5	-
F5.0	5'-0"	5'-0"	1'-0"	(5)#5	(5)#5	-
F5.0A	5'-0"	5'-0"	1'-8"	(5)#5 T&B	(5)#5 T&B	-

NOTE:

1. BOTTOM BARS ONLY UNLESS NOTED WITH T&B.

FOUNDATION PLAN SYMBOLS KEY



SPREAD FOOTING

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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FOUNDATION PLAN - QUEUE BUILDING
UTILITY DEMO PLAN - WEST

SFGM - COASTER

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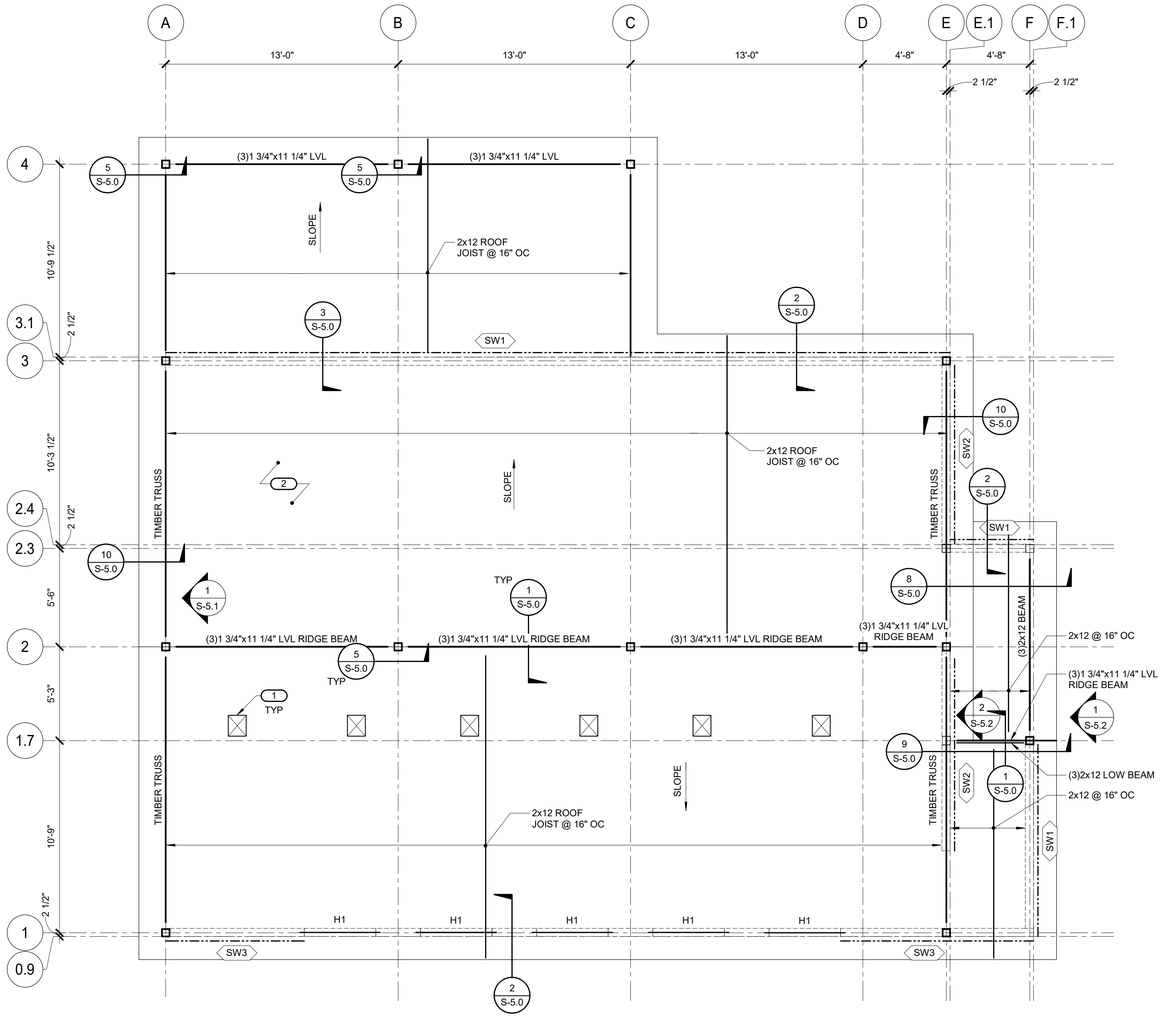


1 ROOF FRAMING PLAN - QUEUE BUILDING

1/4" = 1'-0"

NORTH

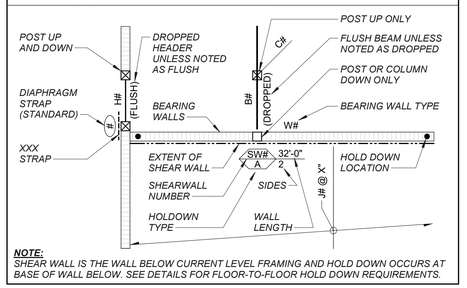
WOOD ROOF FRAMING NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
3. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE GENERAL NOTES AND DETAIL 2/S-4.0.
4. H# INDCIATES WOOD HEADER. SEE 1/S-4.0 FOR DETAIL AND SCHEDULE.
5. SEE S-4.0 FOR TYPICAL WOOD DETAILS.
6. SW# INDICATES SHEAR WALL. SEE S-4.0 FOR SCHEDULE AND DETAILS.
7. ALL STRUCTURAL WOOD WALLS SHOWN TO BE 2x6 STUDS @ 16" OC.

KEYNOTES: (#)

1. ROOF OPENING FOR VENT. COORDINATE SIZE AND LOCATION IN THE FIELD. CENTER BETWEEN ROOF JOISTS AND BOX OUT PER DETAIL 7/S-5.0.
2. 1/2" PLYWOOD SHEATHING. SEE 2/S-4.0.

WOOD PLAN SYMBOLS KEY



NOTE:
SHEAR WALL IS THE WALL BELOW CURRENT LEVEL FRAMING AND HOLD DOWN OCCURS AT BASE OF WALL BELOW. SEE DETAILS FOR FLOOR-TO-FLOOR HOLD DOWN REQUIREMENTS.

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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ROOF FRAMING PLAN - QUEUE BUILDING
UTILITY DEMO PLAN - WEST

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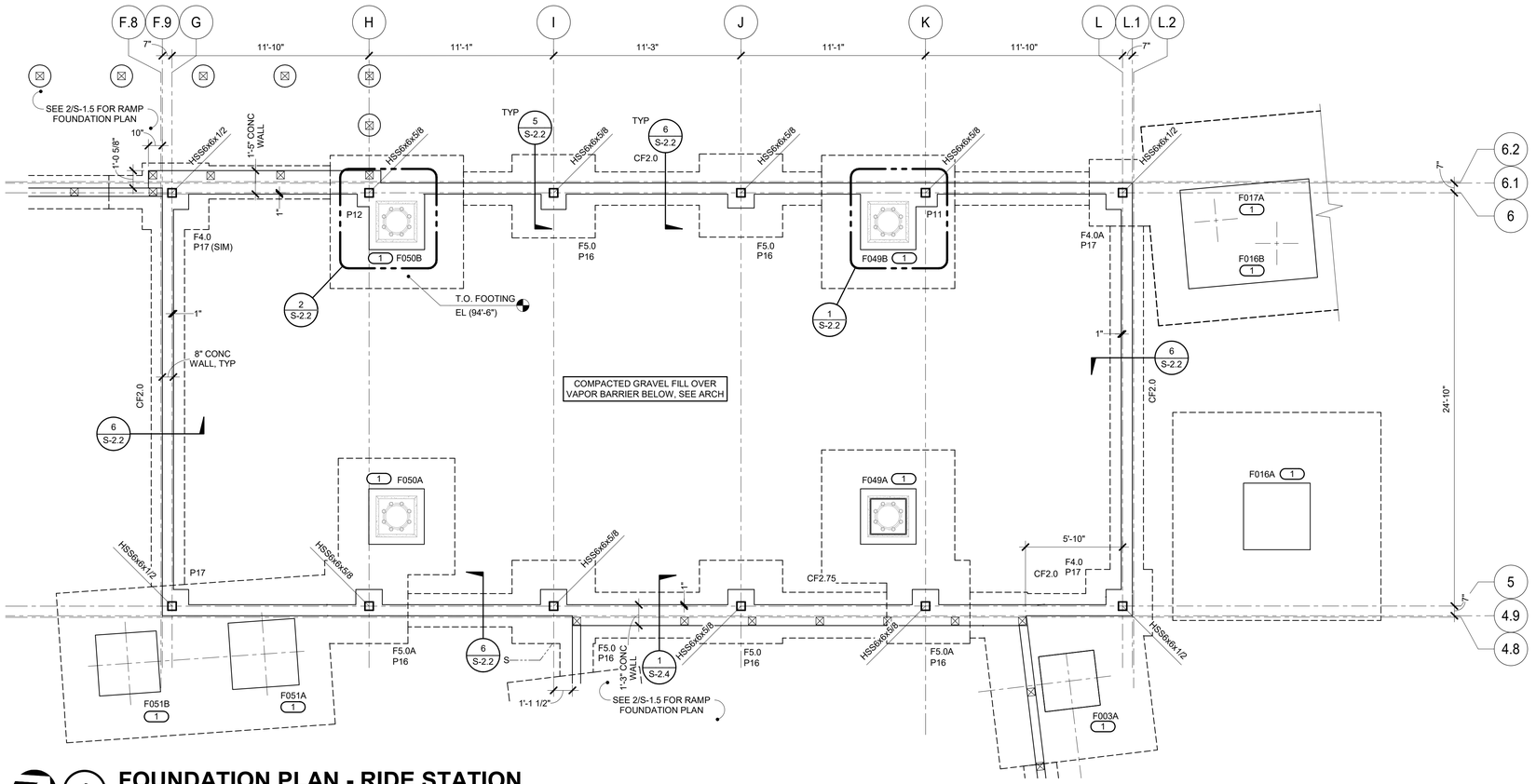
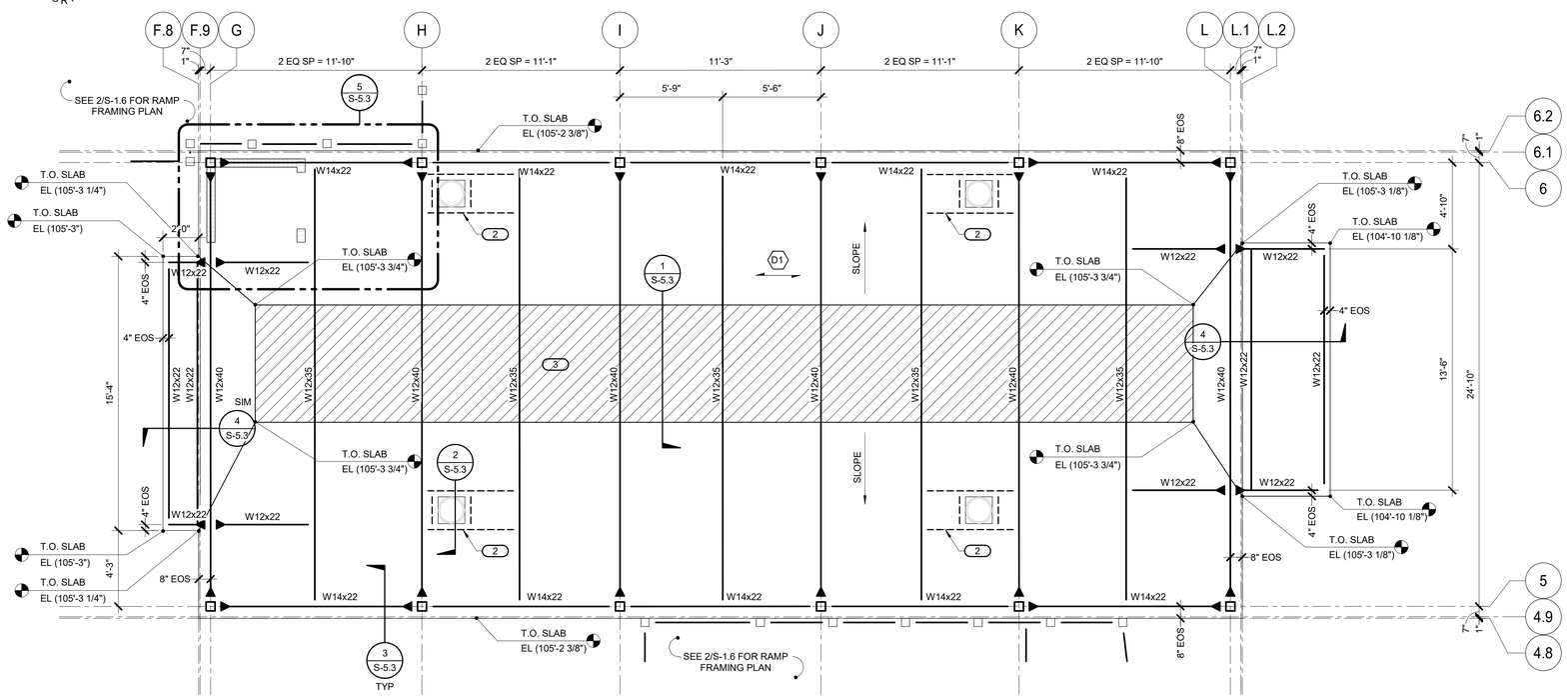


1 FOUNDATION PLAN - RIDE STATION

1/4" = 1'-0"



2 FRAMING PLAN - RIDE STATION PLATFORM

1/4" = 1'-0"

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATION (100'-0") IS EQUAL TO CIVIL EL (718.00').
2. TOP OF FOOTING EL (95'-0") UON.
3. SEE GENERAL NOTES AND TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
5. EXTERIOR T.O. WALL EL (100'-0") UON.
6. T.O. PIER EL (100'-0") UON.
7. P# INDICATES PIER TYPE PER DETAILS 1, 2, 3, AND 4/S-2.2.
8. BP# INDICATES BASE PLATE TYPE PER DETAILS 1, 2, AND 3/S-3.0.
9. SEE S-1.5 FOR RAMP FOOTINGS.

FLOOR FRAMING SHEET NOTES:

1. DECK BEARING EL (104'-8 3/8"). SEE PLAN FOR TOP OF SLAB ELEVATIONS.
2. SEE S-3.0 FOR TYPICAL SHEAR AND MOMENT CONNECTION DETAILS.
3. ALL STEEL TO BE HOT DIPPED GALVANIZED.
4. ALL STRUCTURAL WOOD WALLS SHOWN TO BE 2x6 STUDS @ 16" OC.

KEYNOTES: (#)

1. REFER TO COASTER FOUNDATION DRAWINGS FOR FOOTING INFORMATION. CONTRACTOR TO COORDINATE BETWEEN THE TWO SETS.
2. FRAME OUT OPENING PER 2/S-5.3.
3. HATCH REPRESENTS A RUBBER MAT WITHIN THE RECESSED DECK. SEE 1/S-5.3 AND ARCH FOR DETAILS.

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING		REMARKS
			LONG DIRECTION	SHORT DIRECTION	
CF2.0	2'-0"	1'-0"	(3)#5	#5@12" OC	
CF2.75	2'-9"	1'-0"	(4)#5	#5@12" OC	

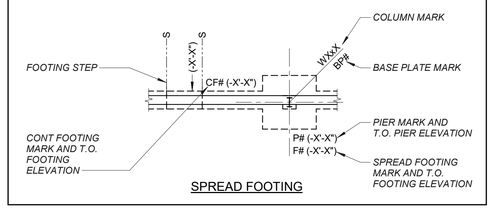
SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	DEPTH	REINFORCING		REMARKS
				LONG DIRECTION	SHORT DIRECTION	
F3.0	3'-0"	3'-0"	1'-0"	(3)#5	(3)#5	-
F4.0	4'-0"	4'-0"	1'-0"	(4)#5	(4)#5	-
F4.0A	4'-0"	4'-0"	2'-0"	(4)#5	(4)#5	-
F5.0	5'-0"	5'-0"	1'-0"	(5)#5	(5)#5	-
F5.0A	5'-0"	5'-0"	1'-8"	(5)#5 T&B	(5)#5 T&B	-

STEEL DECK SCHEDULE

MARK	DECK	GAUGE	CONCRETE	REINFORCEMENT	MAIN ATTACHMENT	SIDELAP FASTENERS	REMARK
D1	2" VLI	20 GAUGE	VARIES, MIN 4" NW CONC (6" TOTAL SLAB)	6x6-W2.9xW2.9 WWR	5/8" PUDDLE WELDS @ 12" OC	#12 SCREWS @ 24" OC	SLAB THICKNESS VARIES, SEE PLAN FOR TOP OF SLAB EL

FOUNDATION PLAN SYMBOLS KEY



SPREAD FOOTING

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOHUE
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

FOUNDATION & PLATFORM PLAN - RIDE STATION

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-1.2

OF X

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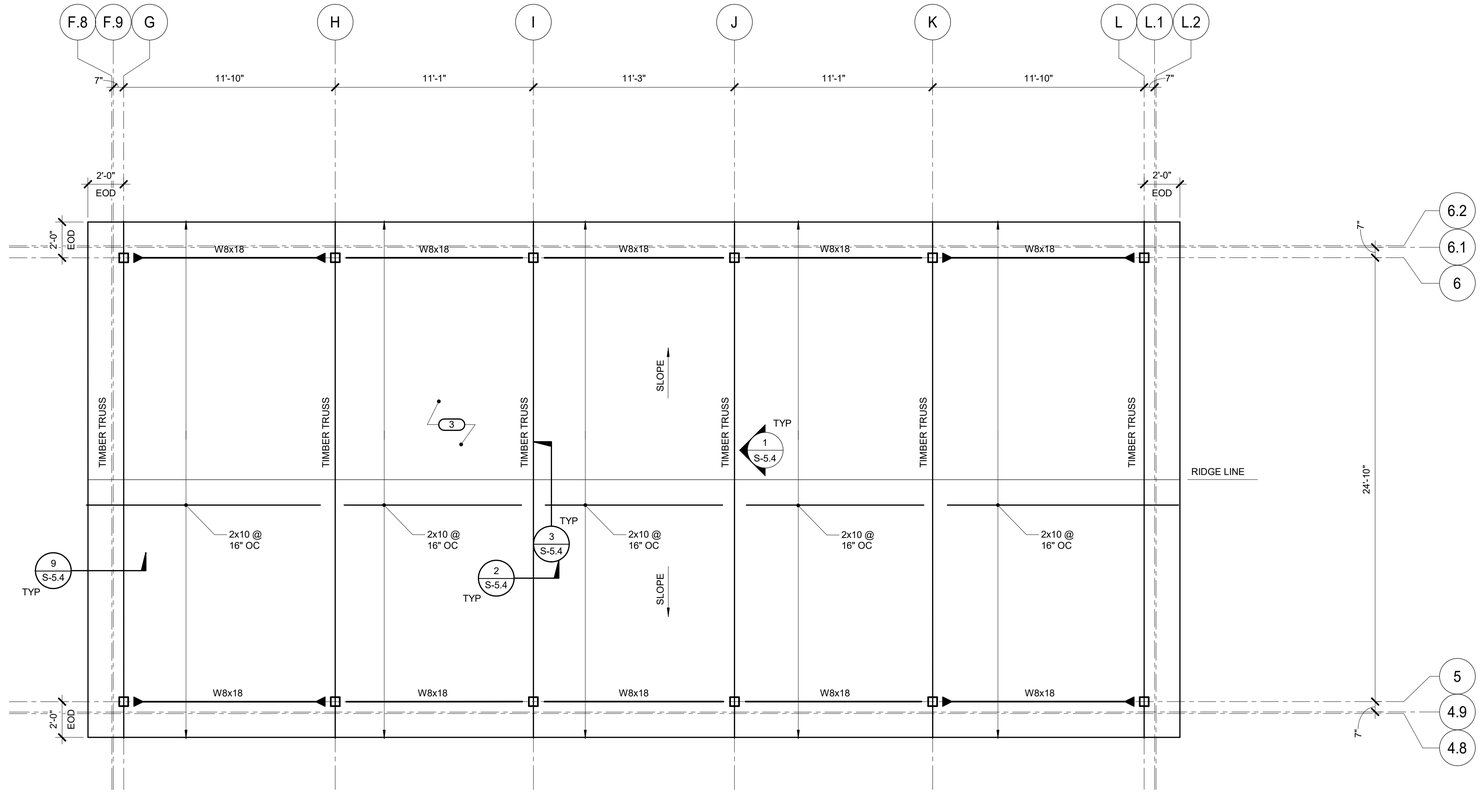


1 ROOF PLAN - RIDE STATION

1/4" = 1'-0"

NORTH

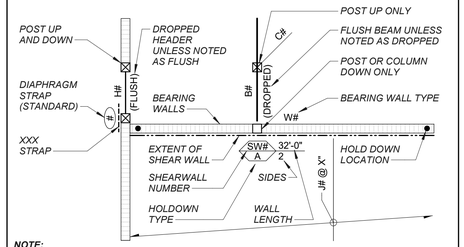
WOOD ROOF FRAMING NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
2. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE GENERAL NOTES AND DETAIL 2/S-4.0 .
3. SEE S-4.0 FOR TYPICAL WOOD DETAILS.

STEEL FRAMING SHEET NOTES:

1. SEE S-3.0 FOR TYPICAL SHEAR AND MOMENT CONNECTION DETAILS.
2. ALL STEEL TO BE HOT DIPPED GALVANIZED.
3. 1/2" PLYWOOD SHEATHING. SEE 2/S-4.0.

WOOD PLAN SYMBOLS KEY



NOTE:
SHEAR WALL IS THE WALL BELOW CURRENT LEVEL FRAMING AND HOLD DOWN OCCURS AT BASE OF WALL BELOW. SEE DETAILS FOR FLOOR-TO-FLOOR HOLD DOWN REQUIREMENTS.

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHEL DONOHUE
081-008552
STATE OF FLORIDA
EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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PROJECT #250006561.00

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DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

ROOF FRAMING PLAN - RIDE STATION

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-1.3

OF X

#225093-1

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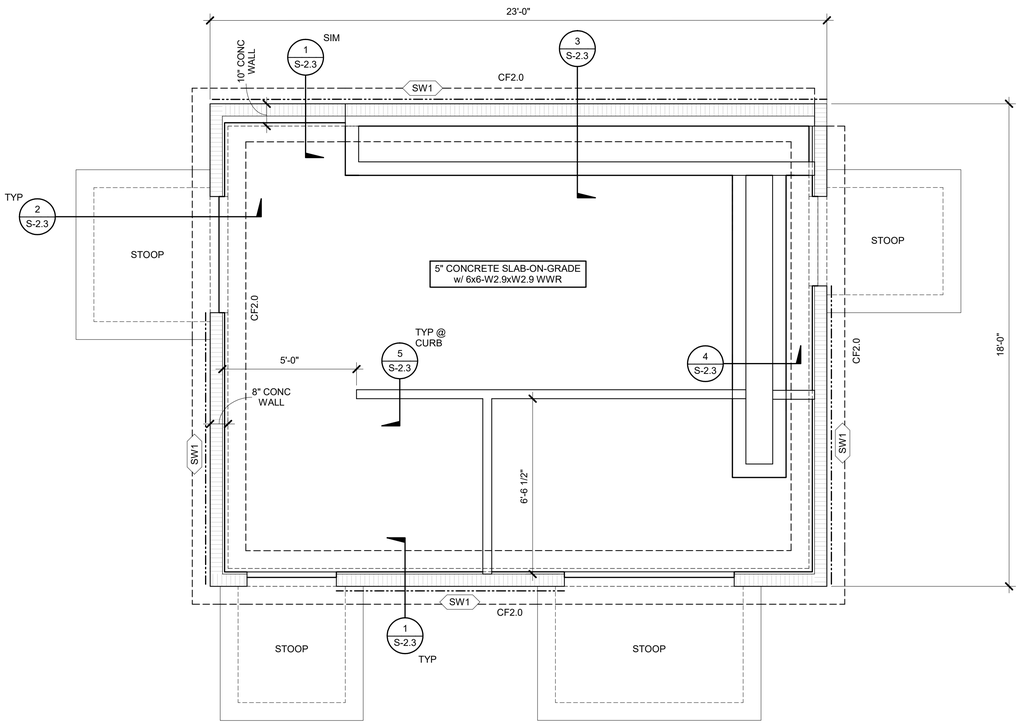
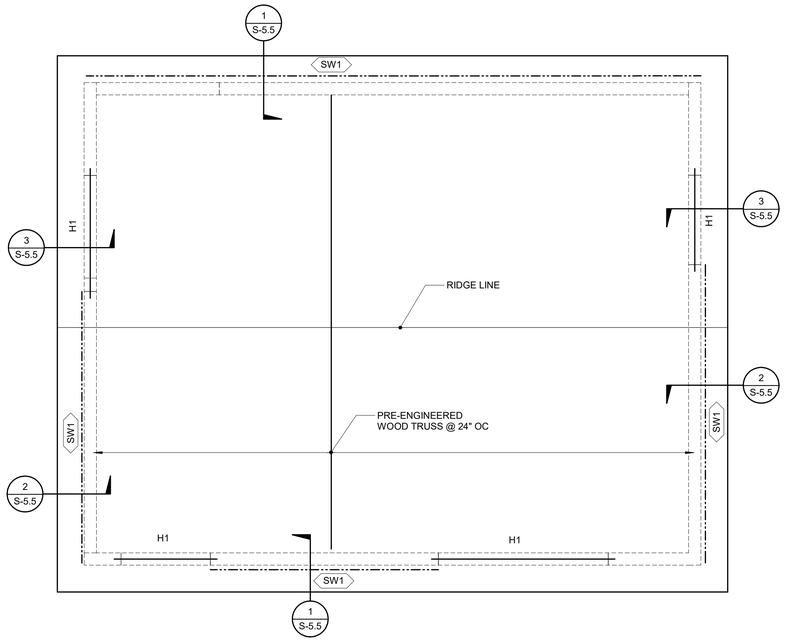


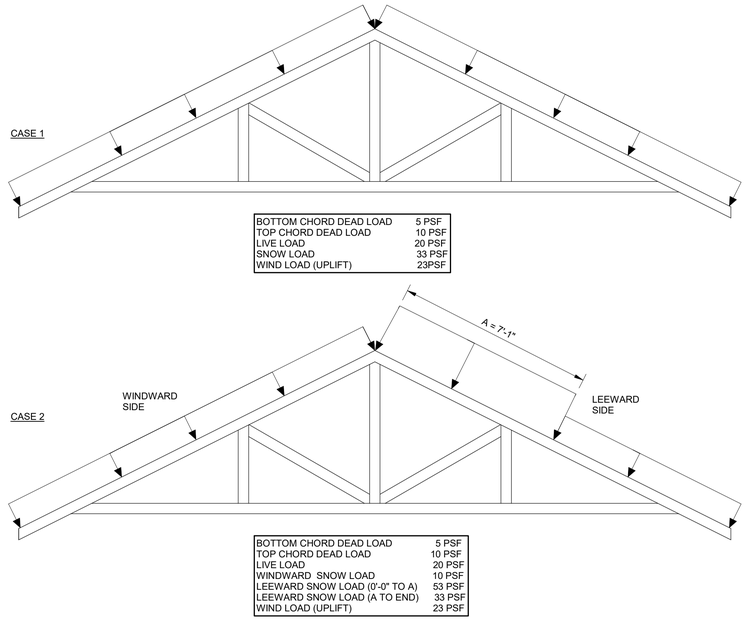
1 FOUNDATION PLAN - ELECTRICAL BUIILDING

3/8" = 1'-0"



2 ROOF PLAN - ELECTRICAL BUILDING

3/8" = 1'-0"



BOTTOM CHORD DEAD LOAD	5 PSF
TOP CHORD DEAD LOAD	10 PSF
LIVE LOAD	20 PSF
SNOW LOAD	33 PSF
WIND LOAD (UPLIFT)	23PSF

BOTTOM CHORD DEAD LOAD	5 PSF
TOP CHORD DEAD LOAD	10 PSF
LIVE LOAD	20 PSF
WINDWARD SNOW LOAD	10 PSF
LEEWARD SNOW LOAD (0'-0" TO A)	53 PSF
LEEWARD SNOW LOAD (A TO END)	33 PSF
WIND LOAD (UPLIFT)	23 PSF

NOTES:

1. ALL LOADS SHOWN ARE ASD LEVEL (1.0DL, 0.7SL, 0.6WL).
2. CASE 1 REPRESENTS A BALANCED SNOW LOAD CASE. CASE 2 REPRESENTS A UNBALANCED SNOW LOAD CASE.
3. DEAD LOADS DO NOT ACCOUNT FOR SELF-WEIGHT OF TRUSS. TRUSS SUPPLIER TO ACCOUNT FOR SELF-WEIGHT IN TRUSS DESIGN.
4. WHERE TRUSS ALIGNS WITH SHEAR WALL BELOW. DESIGN TRUSS FOR SHEAR LOAD GIVEN IN DETAIL #/S-#.

3 PRE-FABRICATED TRUSS LOADING

1/2" = 1'-0"

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATION (100'-0") IS EQUAL TO CIVIL EL (718.00').
2. TOP OF SLAB EL (98'-0") UON.
3. TOP OF FOOTING EL (95'-0") UON.
4. SEE GENERAL NOTES AND TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. EXTERIOR T.O. WALL EL (98'-6") UON.
7. SEE ARCHITECTURAL DRAWINGS FOR SLAB CONTOURS, VALLEYS AND RIDGES, FOOR DRAINS, CURBS, ETC.
8. SEE 1/S-2.0 FOR TYPICAL SLAB ON GRADE DETAIL.
9. PROVIDE PIPE SLEEVES AT ALL LOCATIONS WHERE PIPES PENETRATE WALL. VERIFY LOCATIONS WITH MEP. SEE DETAIL 2/S-2.0.

WOOD ROOF FRAMING NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR T.O. TOP PLATE/TRUSS BEARING ELEVATION UON.
3. TRUSS MANUFACTURER TO COORDINATE ALL OPENINGS WITH MECHANICAL. PROVIDE FRAMING AS REQUIRED.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING.
5. CONTRACTOR TO VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, SIZES, AND LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS AND FABRICATING MATERIALS. CONTRACTOR TO COORDINATE ANY CHANGES WITH THE TRUSS SUPPLIER AND STRUCTURAL ENGINEER.
6. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, GENERAL NOTES AND DETAIL 2/S4.0.
7. H# INDICATES WOOD HEADER. SEE 1/S-4.0 FOR DETAIL AND SCHEDULE.
8. SEE S-4.0 FOR TYPICAL WOOD DETAILS.
9. SW# INDICATES SHEAR WALL. SEE S-4.0 FOR SCHEDULE AND DETAILS.
10. ALL STRUCTURAL WOOD WALLS SHOWN TO BE 2x6 STUDS @ 16" OC.
11. SEE DETAIL 3 ON THIS SHEET FOR PREFABRICATED TRUSS DESIGN LOADING INFORMATION.

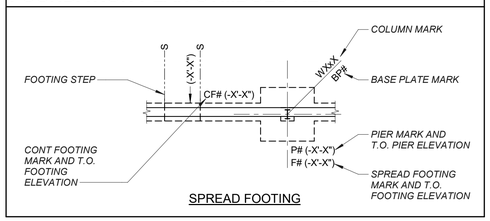
CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING		REMARKS
			LONG DIRECTION	SHORT DIRECTION	
CF2.0	2'-0"	1'-0"	(3)#5	#5@12" OC	
CF2.75	2'-9"	1'-0"	(4)#5	#5@12" OC	

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	DEPTH	REINFORCING		REMARKS
				LONG DIRECTION	SHORT DIRECTION	
F3.0	3'-0"	3'-0"	1'-0"	(3)#5	(3)#5	-
F4.0	4'-0"	4'-0"	1'-0"	(4)#5	(4)#5	-
F4.0A	4'-0"	4'-0"	2'-0"	(4)#5	(4)#5	-
F5.0	5'-0"	5'-0"	1'-0"	(5)#5	(5)#5	-
F5.0A	5'-0"	5'-0"	1'-8"	(5)#5 T&B	(5)#5 T&B	-

FOUNDATION PLAN SYMBOLS KEY



SPREAD FOOTING

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.327.2320
www.imegcorp.com

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FILE	#225093-2

REVISION	DESCRIPTION

Six Flags Entertainment Corporation

FOUNDATION PLAN - ELECTRIC BUILDING

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-1.4

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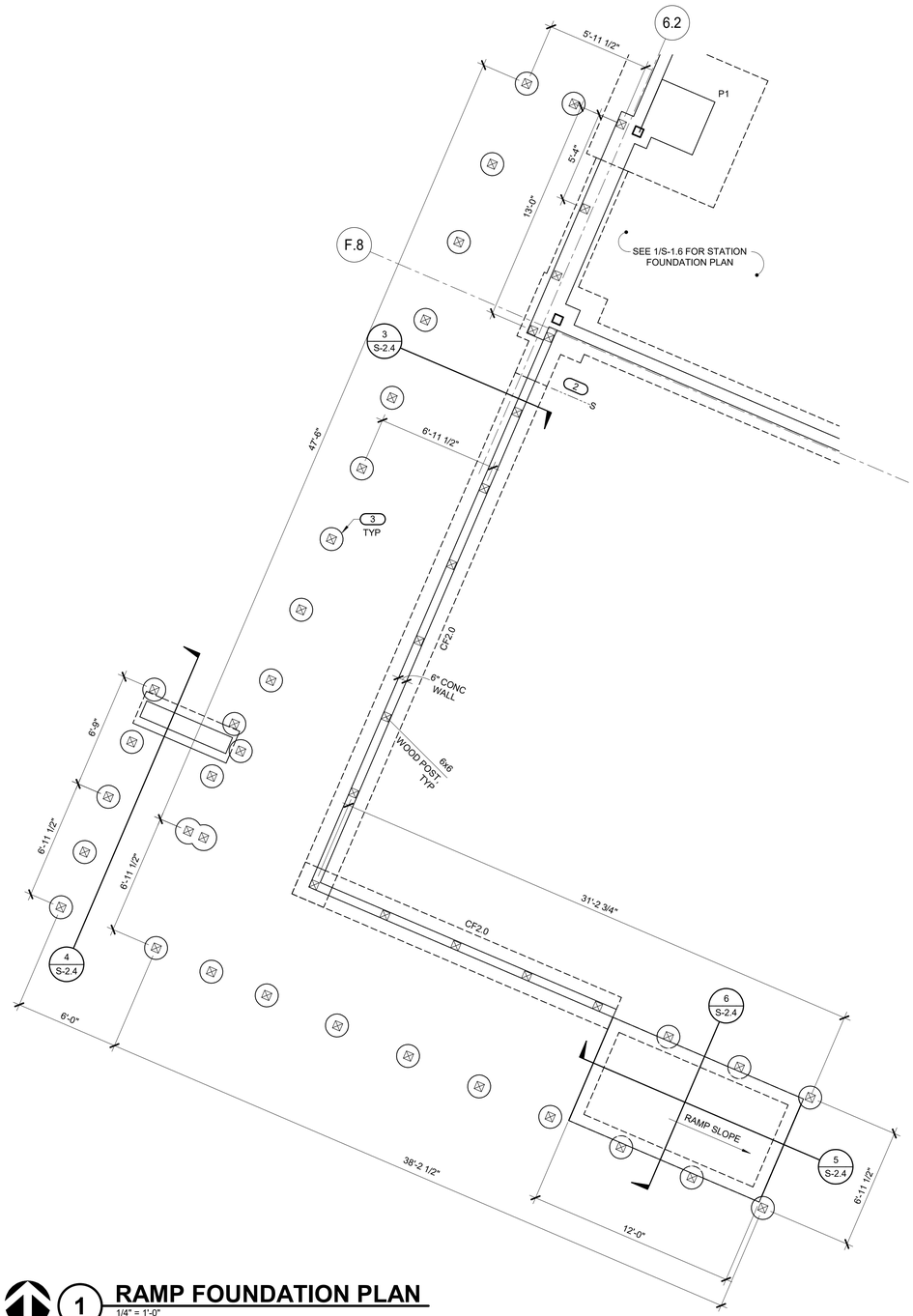
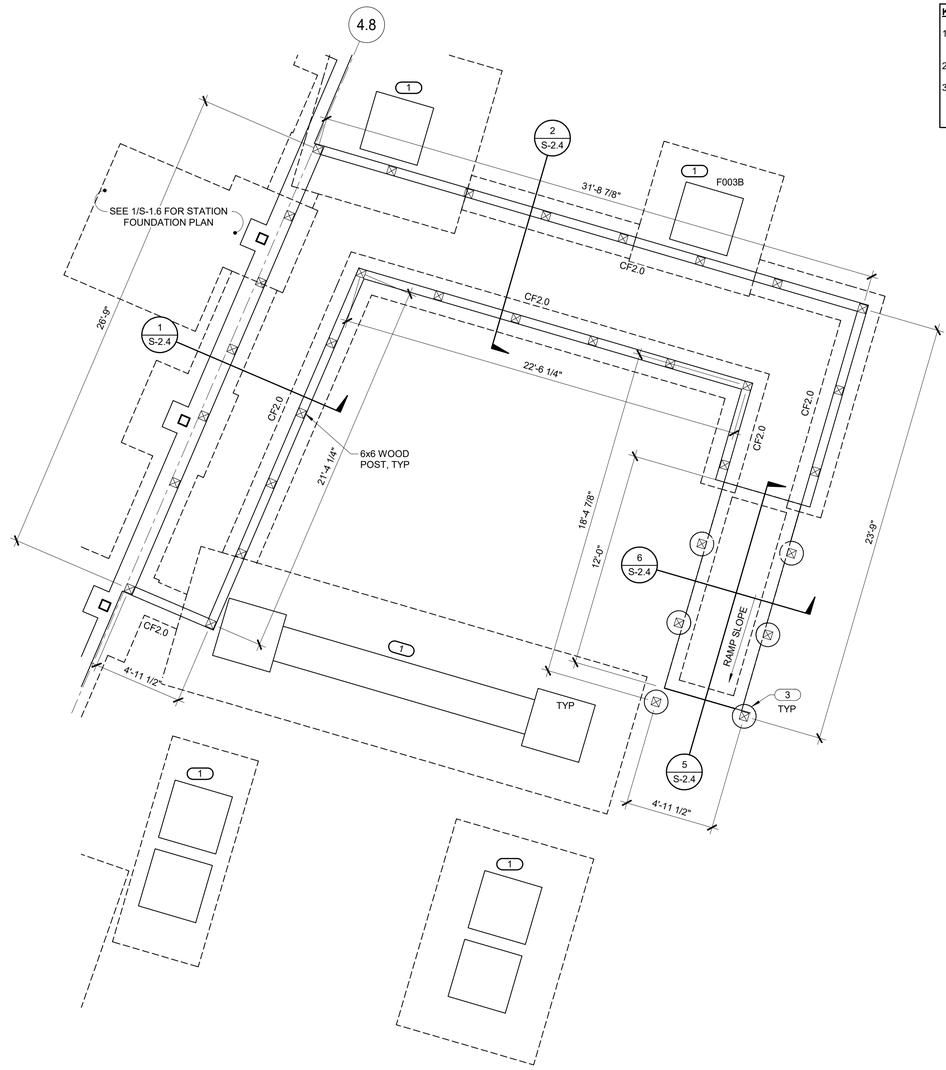


1 RAMP FOUNDATION PLAN

1/4" = 1'-0"



2 RAMP FOUNDATION PLAN

1/4" = 1'-0"

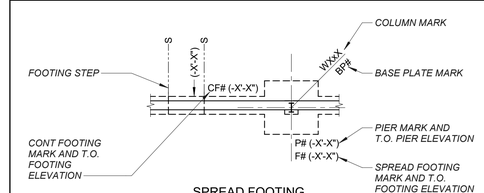
GENERAL FOUNDATION SHEET NOTES:

1. ELEVATION (100'-0") IS EQUAL TO CIVIL EL (718.00').
2. TOP OF FOOTING EL TO BE MINIMUM 3'-6" BELOW GRADE, UON.
3. SEE GENERAL NOTES AND TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
5. T.O. WALL EL (100'-0") UON.
6. SEE S-1.2 FOR RIDE STATION FOUNDATION PLAN.
7. SEE ARCH FOR WOOD POST LOCATIONS.
8. FENCE AND GATE POST FOUNDATIONS ARE NOT SHOWN ON PLAN. SEE ARCH DRAWINGS FOR LOCATIONS AND HEIGHTS. SEE 2/S-2.5 FOR FENCE AND GATE FOUNDATION DETAIL.
9. ALL EXTERIOR WOOD TO BE PRESSURE TREATED.

KEYNOTES: (#)

1. REFER TO COASTER FOUNDATION FRAMINGS FOR FOOTING INFORMATION. CONTRACTOR TO COORDINATE BETWEEN THE TWO SETS.
2. STEP FOOTING AS REQUIRED TO MATCH STATION FOOTING ELEVATION.
3. DRILLED PIER WITH EMBEDED 6x6 WOOD POST FOR RAMP SUPPORT. TOP OF PIER EL (100'-0"). SEE 1/S-2.5 FOR RAMP PIER DETAIL AND SCHEDULE.

FOUNDATION PLAN SYMBOLS KEY



SPREAD FOOTING

CONCRETE PIER SCHEDULE - CIVIL PACKAGE

MARK	DIMENSION	VERT REINF	TIES	REMARKS

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING		REMARKS
			LONG DIRECTION	SHORT DIRECTION	
CF2.0	2'-0"	1'-0"	(3)#5	#5@12" OC	
CF2.75	2'-9"	1'-0"	(4)#5	#5@12" OC	

LICENSED STRUCTURAL ENGINEER — JOSEPH MICHAEL DONOVAN — 081-008552 — STATE OF ILLINOIS — EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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FILE	#225093-2

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Six Flags Entertainment Corporation

RAMP FOUNDATION PLANS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
S-1.5
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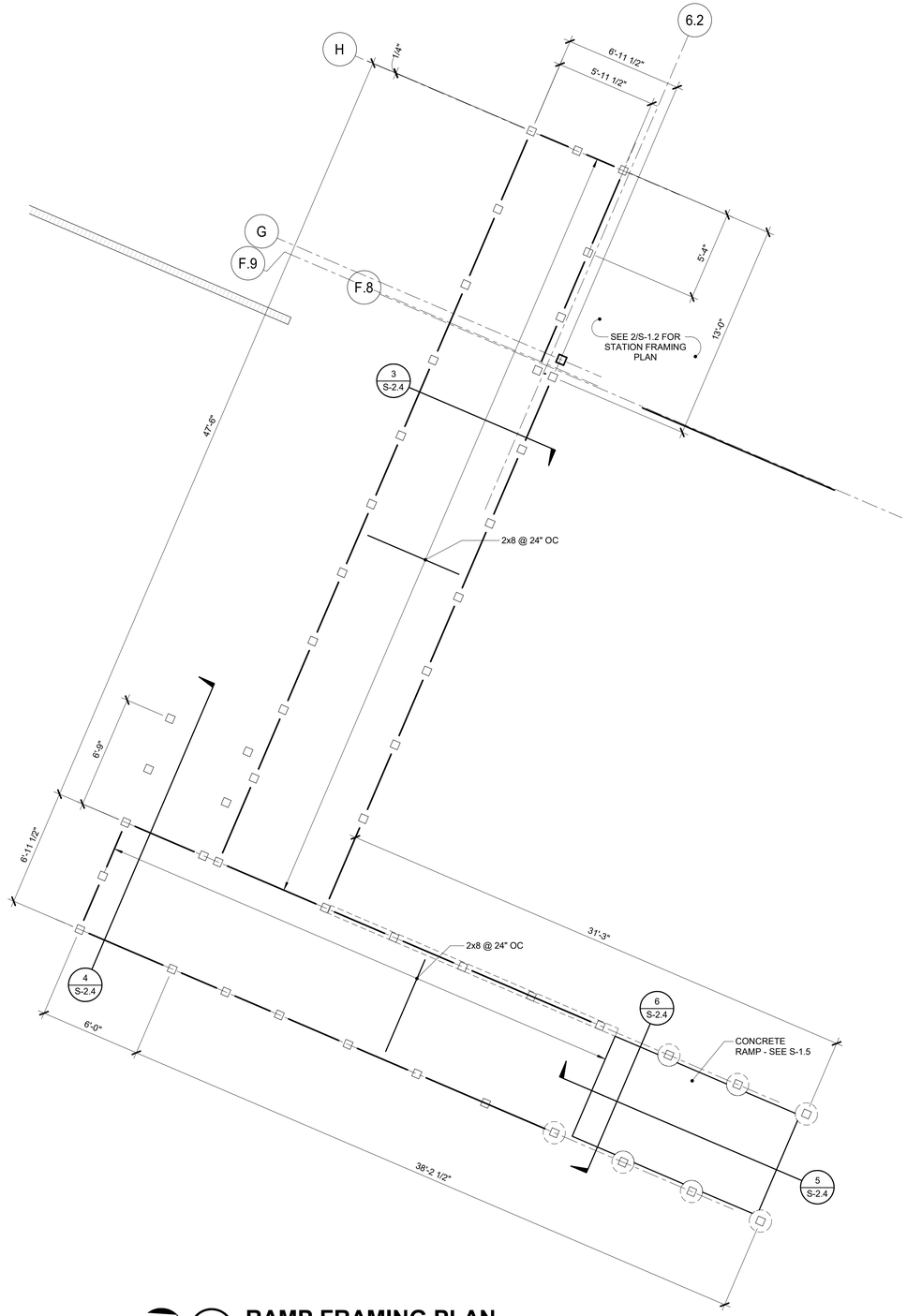
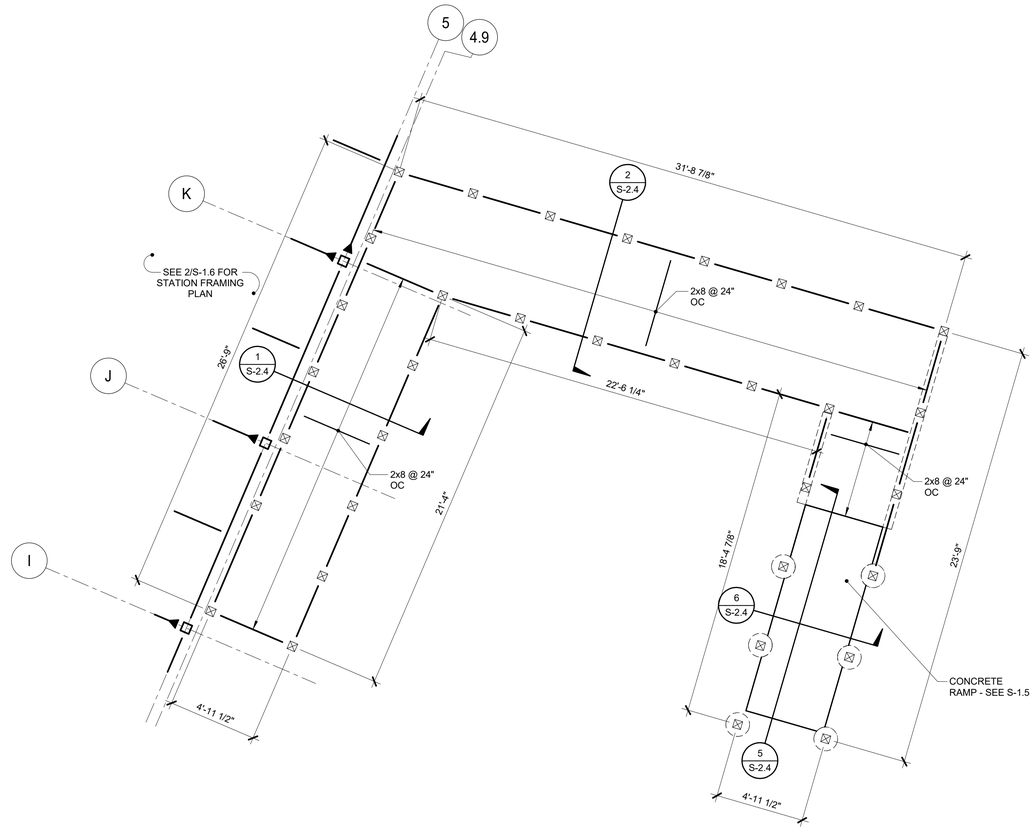


1 RAMP FRAMING PLAN

1/4" = 1'-0"



2 RAMP FRAMING PLAN

1/4" = 1'-0"

WOOD ROOF FRAMING NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL AND OPENING LOCATIONS.
2. FOR SHEATHING THICKNESS AND FASTENING REQUIREMENTS, SEE GENERAL NOTES AND DETAIL 2/S-4.0.
3. SEE S-4.0 FOR TYPICAL WOOD DETAILS.
4. ALL EXTERIOR WOOD TO BE PRESSURE TREATED.

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REVISION	DESCRIPTION

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RAMP FRAMING PLANS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-1.6

OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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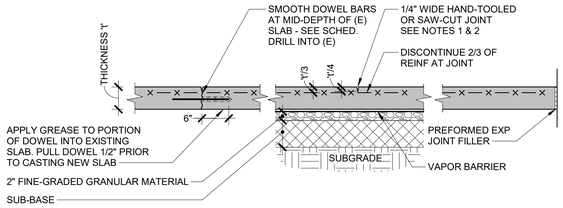


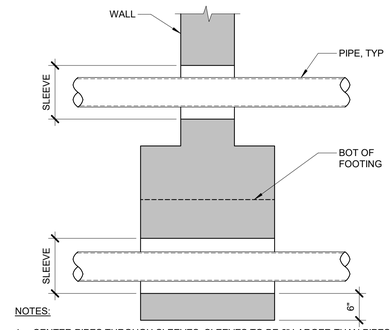
CONSTRUCTION JOINT CONTRACTION JOINT ISOLATION JOINT

NOTES:

1. FOR SAW-CUT JOINTS, USE A "SOFF-CUT" ULTRA EARLY ENTRY DRY-CUT SAW OR APPROVED EQUIVALENT. JOINTS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF FINISHING OPERATIONS.
2. SEE SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR ANY JOINT SEALANT REQUIREMENTS.

1 SLAB-ON-GRADE CONSTRUCTION

3/4" = 1'-0"
2021-01

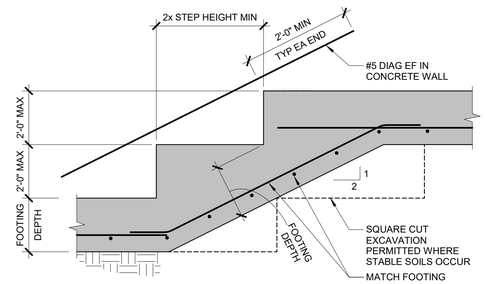


NOTES:

1. CENTER PIPES THROUGH SLEEVES. SLEEVES TO BE 6" LARGER THAN PIPES.
2. FOR PIPES 3'-0" OR LESS BELOW FOOTING, PROVIDE SLEEVE AND CONCRETE AS SHOWN. MORE THAN 3'-0", COMPACT BACKFILL OVER PIPE TO 90% AS APPROVED BY GEOTECHNICAL ENGINEER OR USE STEPPED FOOTING BELOW PIPE.

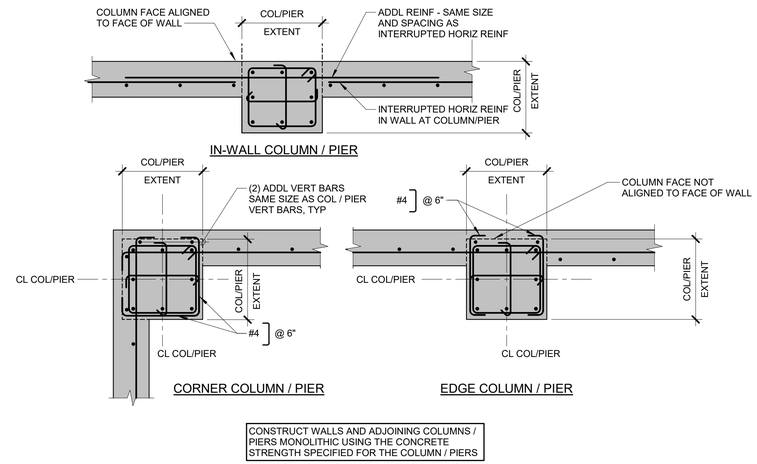
2 PIPE THROUGH WALL / FOOTING

3/4" = 1'-0"
2360-01



3 FOOTING STEP WITH WALL ABOVE

3/4" = 1'-0"



CONSTRUCT WALLS AND ADJOINING COLUMNS / PIERS MONOLITHIC USING THE CONCRETE STRENGTH SPECIFIED FOR THE COLUMN / PIERS

4 COLUMN / PIER / WALL INTERFACE

3/4" = 1'-0"

5 FOOTING INTERSECTION

3/4" = 1'-0"

CLASS B TENSION LAP SPLICE LENGTH

REINF STEEL, Fy	BAR SIZE	BAR LOCATION	CONCRETE STRENGTH, f'c							
			3 KSI	4 KSI	5 KSI	6 KSI	7 KSI	8 KSI	9 KSI	10 KSI
60 KSI	#3	TOP	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"	1'-4"
		OTHER	1'-10"	1'-7"	1'-6"	1'-4"	1'-2"	1'-2"	1'-1"	1'-0"
	#4	TOP	3'-2"	2'-9"	2'-5"	2'-3"	2'-1"	1'-11"	1'-10"	1'-9"
		OTHER	2'-5"	2'-1"	1'-11"	1'-9"	1'-7"	1'-6"	1'-5"	1'-4"
	#5	TOP	3'-11"	3'-5"	3'-0"	2'-9"	2'-7"	2'-5"	2'-3"	2'-2"
		OTHER	3'-0"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"	1'-9"	1'-8"
	#6	TOP	4'-8"	4'-1"	3'-8"	3'-4"	3'-1"	2'-11"	2'-9"	2'-7"
		OTHER	3'-7"	3'-1"	2'-10"	2'-7"	2'-4"	2'-3"	2'-1"	2'-0"
	#7	TOP	6'-9"	5'-11"	5'-3"	4'-10"	4'-6"	4'-2"	3'-11"	3'-9"
		OTHER	5'-3"	4'-6"	4'-1"	3'-9"	3'-5"	3'-3"	3'-0"	2'-11"
	#8	TOP	7'-9"	6'-9"	6'-0"	5'-6"	5'-1"	4'-9"	4'-6"	4'-3"
		OTHER	6'-0"	5'-2"	4'-8"	4'-3"	3'-11"	3'-8"	3'-6"	3'-3"
	#9	TOP	8'-9"	7'-7"	6'-9"	6'-2"	5'-9"	5'-4"	5'-1"	4'-10"
		OTHER	6'-9"	5'-10"	5'-3"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"
	#10	TOP	9'-10"	8'-6"	7'-8"	7'-0"	6'-5"	6'-0"	5'-8"	5'-5"
		OTHER	7'-7"	6'-7"	5'-11"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"
	#11	TOP	10'-11"	9'-6"	8'-6"	7'-9"	7'-2"	6'-8"	6'-4"	6'-0"
		OTHER	8'-5"	7'-3"	6'-6"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"

NOTES:

1. SPLICE LENGTHS SHOWN ARE APPLICABLE FOR SPLICES OCCURRING UNDER THE FOLLOWING CONDITIONS.
   A. NORMAL-WEIGHT CONCRETE
   B. MIN BAR SPACING REQUIREMENTS:
      a. CLEAR SPACING BETWEEN BARS AT SPLICE LOCATION > BAR DIAMETER, CLEAR COVER TO BARS ≥ BAR DIAMETER, AND TIES OR STIRRUPS OCCUR PER CODE SPACING WITHIN LENGTH OF SPLICE; OR
      b. CLEAR SPACING BETWEEN BARS AT SPLICE ≥ 2 x BAR DIAMETER AND CLEAR COVER > BAR DIAMETER
2. INDICATED SPLICE LENGTHS SHALL BE INCREASED BY THE LISTED FACTORS WHERE THE FOLLOWING CONDITIONS EXIST.

CONDITION	SPLICE LENGTH MULTIPLIER*
A. BAR SPACING OR CLEAR COVER IS LESS THAN REQUIRED PER NOTE 1	1.5
B. LIGHTWEIGHT CONCRETE	1.3
C. EPOXY COATED REINF WITH COVER < 3 x BAR DIAMETER OR CLEAR SPACING < 6 x BAR DIAMETER	1.5
D. ALL OTHER EPOXY COATED BARS	1.2

   *WHERE MULTIPLE CONDITIONS EXIST, APPLY EACH OF THE APPLICABLE FACTORS TO THE TABULATED TENSION LAP SPLICE LENGTH TO OBTAIN THE REQUIRED SPLICE LENGTH.

3. TOP BARS ARE HORIZ BARS LOCATED WHERE MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BARS.
4. USE SMALLER BAR SIZE TO DETERMINE LENGTH WHERE SPLICING BARS OF DIFFERENT SIZES.

6 CLASS B TENSION LAP SPLICE LENGTHS

3/4" = 1'-0"

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

TYPICAL CONCRETE DETAILS
UTILITY DEMO PLAN - WEST
SFGM - COASTER

SHEET NO.
S-2.0
OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHEL DONDIVIN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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PROJECT #25006561.00

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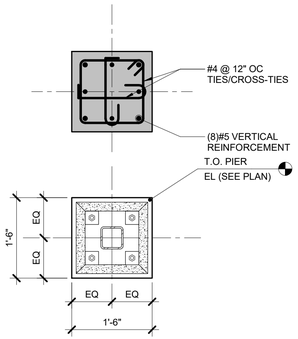
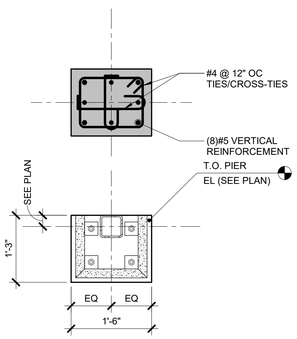


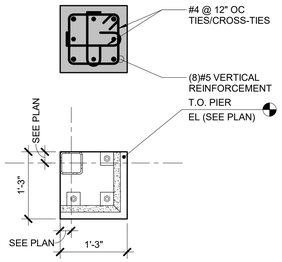
1 STANDALONE PIER DETAIL (P13)

3/4" = 1'-0"



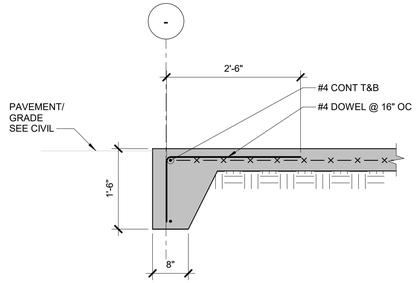
2 STANDALONE PIER DETAIL (P14)

3/4" = 1'-0"



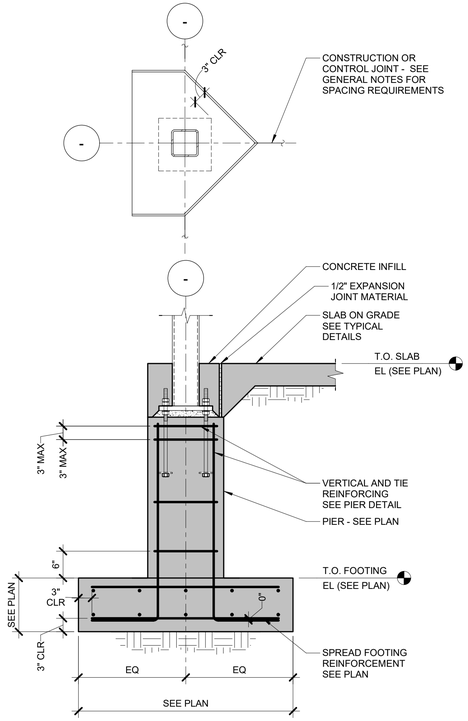
3 STANDALONE PIER DETAIL (P15)

3/4" = 1'-0"



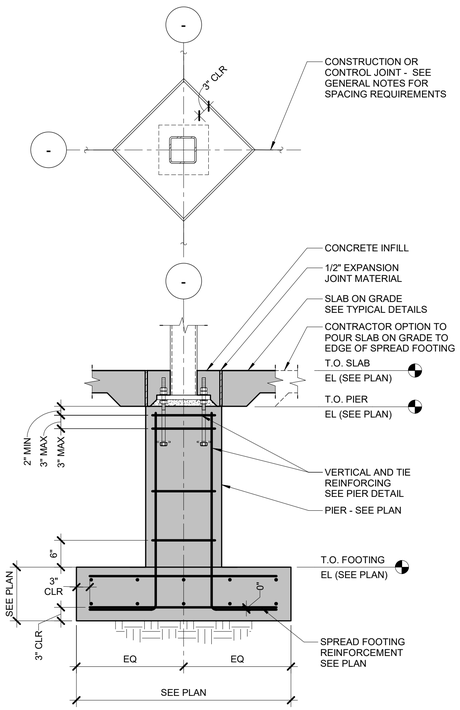
4 SLAB-ON-GRADE TURNDOWN AT TRANSITION TO PAVEMENT

3/4" = 1'-0"



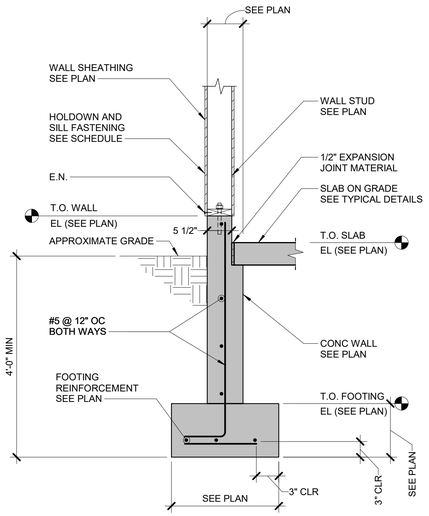
5 COLUMN ON PIER/ FOOTING DETAIL

3/4" = 1'-0"



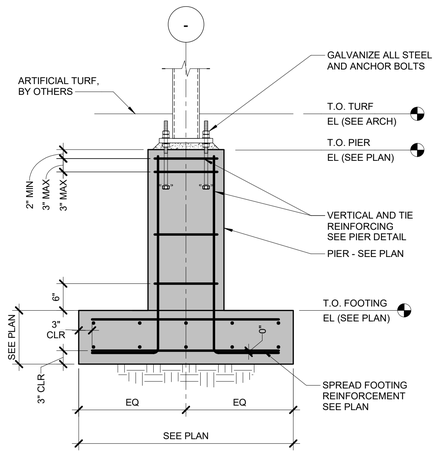
6 INTERIOR COLUMN FOOTING DETAIL

3/4" = 1'-0"



7 FOUNDATION AT WOOD BEARING WALL DETAIL

3/4" = 1'-0"



8 EXTERIOR COLUMN FOOTING DETAIL

3/4" = 1'-0"

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

IMEG
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Six Flags Entertainment Corporation

QUEUE BUILDING CONCRETE DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-2.1

OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-006552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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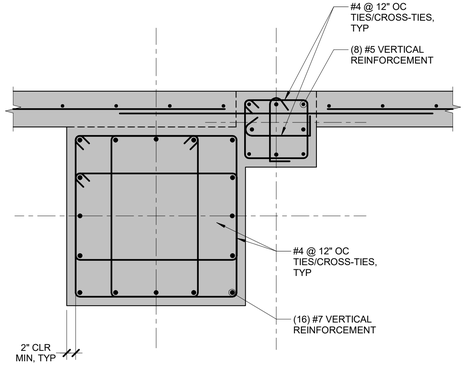
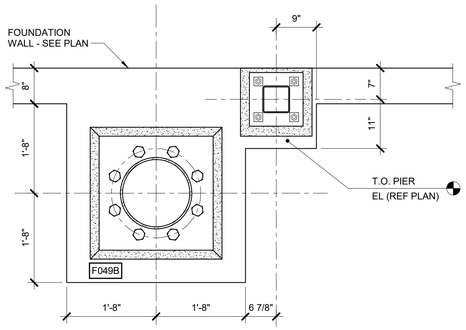
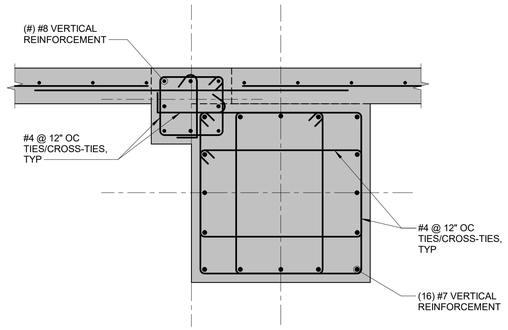
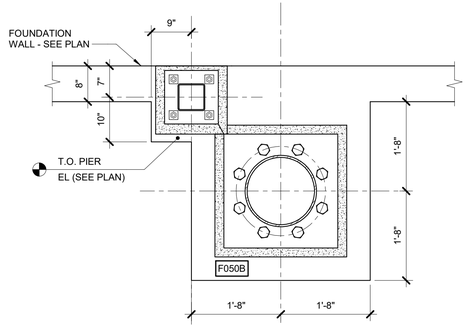


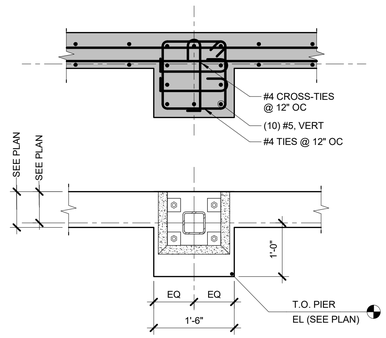


1 COASTER PIER + RIDE STATION PIER (P11)
3/4" = 1'-0"

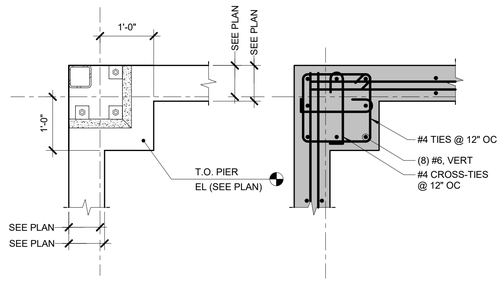




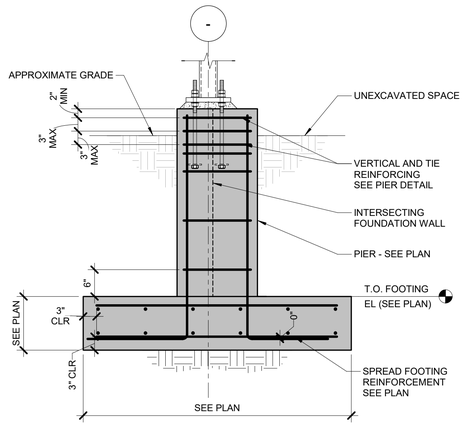
2 COASTER PIER + RIDE STATION PIER (P12)
3/4" = 1'-0"



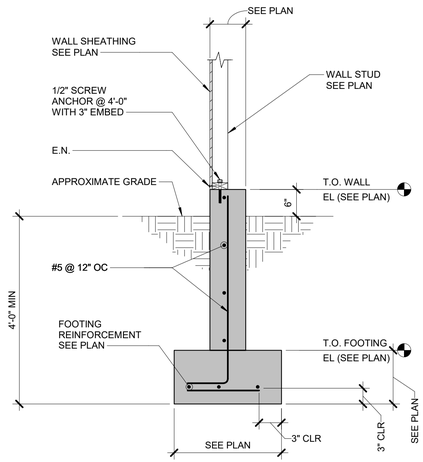
3 PIER DETAIL (P16)
3/4" = 1'-0"



4 CORNER PIER DETAIL (P17)
3/4" = 1'-0"



5 COLUMN ON PIER/FOOTING DETAIL
3/4" = 1'-0"



6 FOUNDATION AT WOOD BEARING WALL DETAIL
3/4" = 1'-0"

SCALE AS NOTED
DATE 06/05/2026
DRAWN MAM
FILE #225093-2

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STATION CONCRETE DETAILS
UTILITY DEMO PLAN - WEST
SFGM - COASTER

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LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.327.2320
www.imegcorp.com

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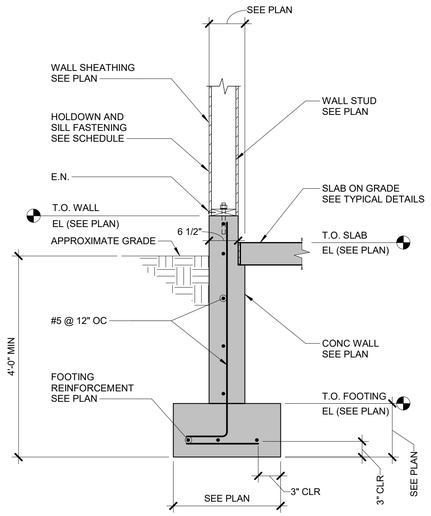
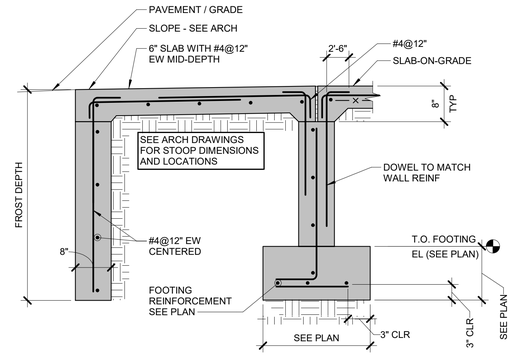


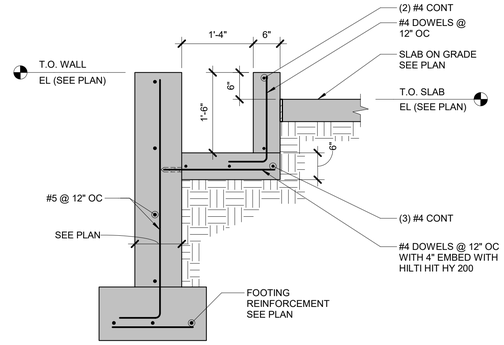
1 FOUNDATION AT WOOD BEARING WALL DETAIL

3/4" = 1'-0"



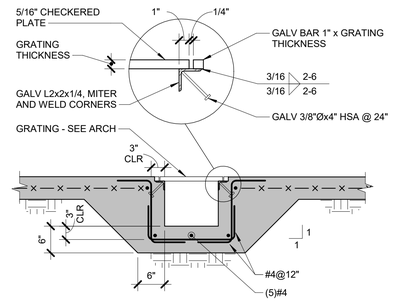
2 EXT WALL FTG PATIO/STOOP, STEM WALL w/ FROST STEM

3/4" = 1'-0"



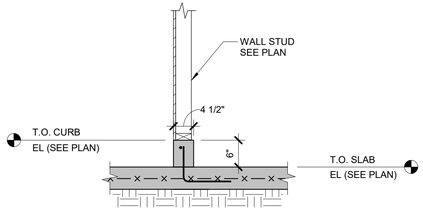
3 SECTION AT TRENCH

3/4" = 1'-0"



4 TRENCH SECTION

3/4" = 1'-0"



5 SECTION

3/4" = 1'-0"

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Six Flags
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ELECTRICAL BUILDING CONCRETE DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-2.3

OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.327.2320
www.imegcorp.com

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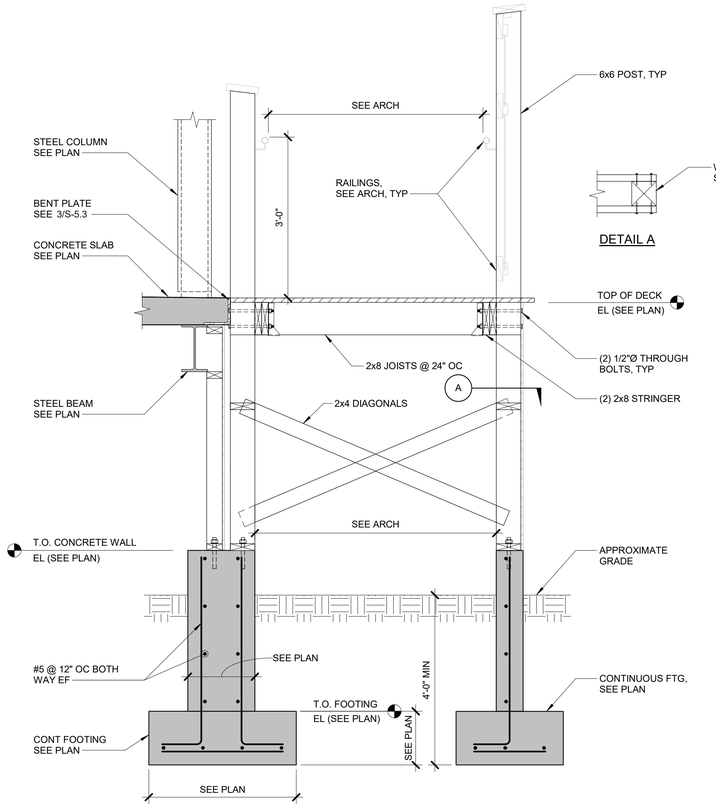
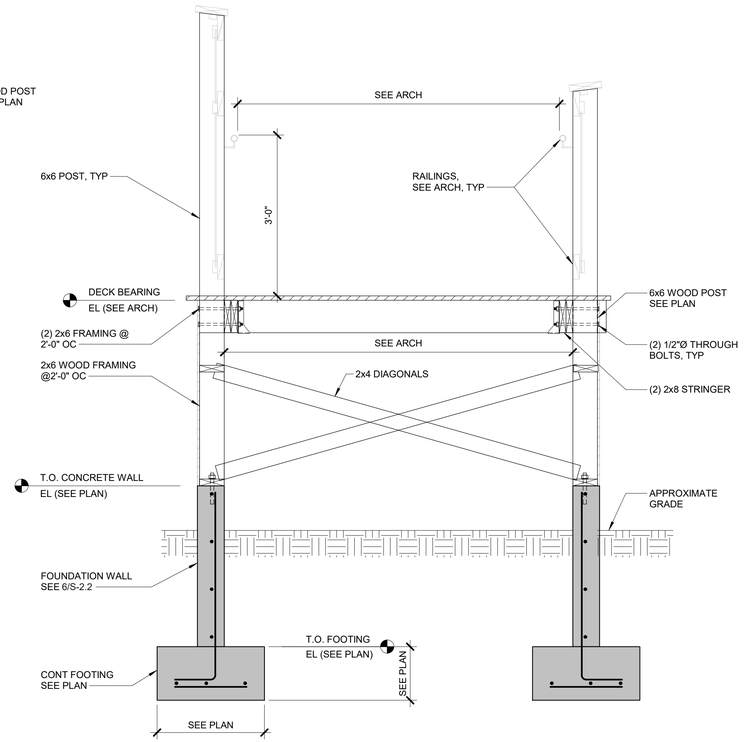
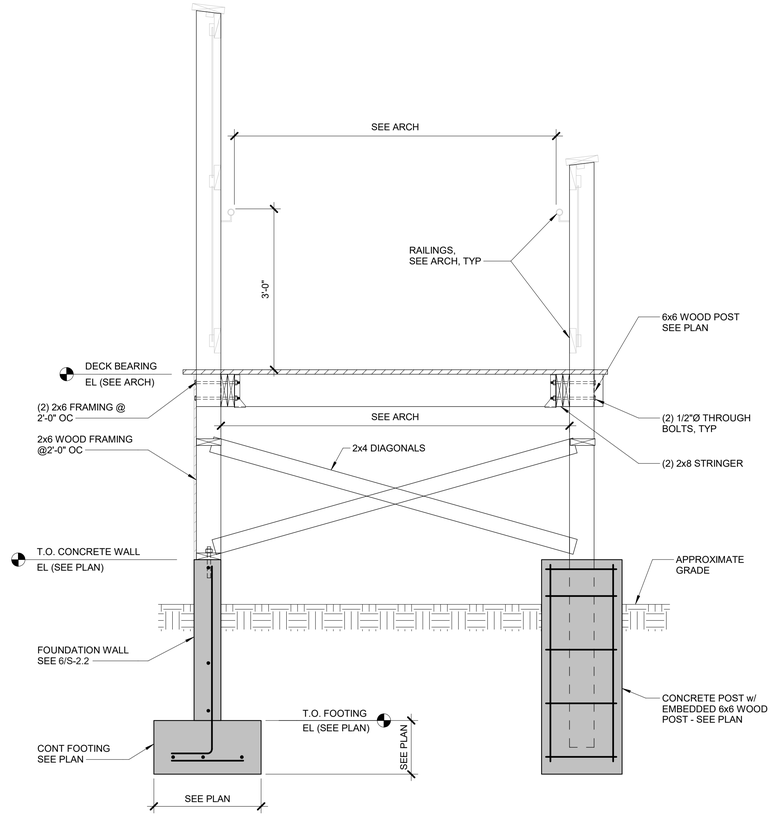


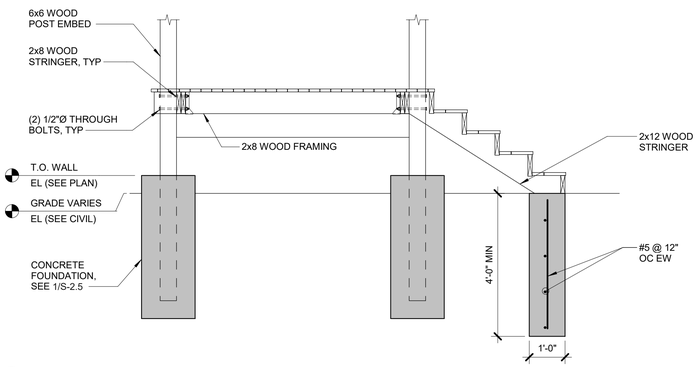
1 RAMP SECTION AT RIDE STATION
3/4" = 1'-0"



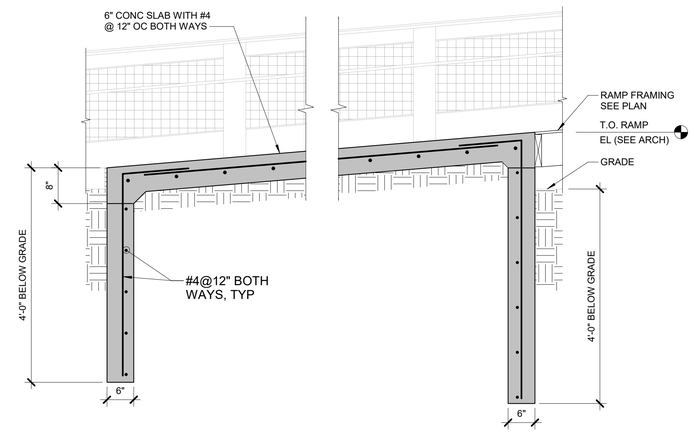
2 RAMP SECTION
3/4" = 1'-0"



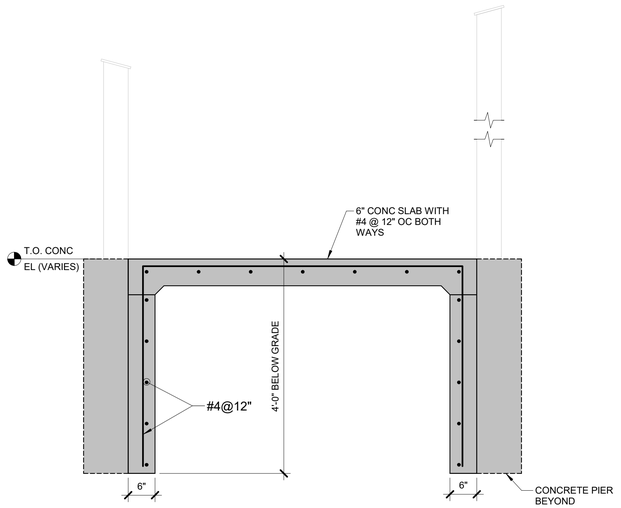
3 RAMP SECTION
3/4" = 1'-0"



4 STAIR SECTION
1/2" = 1'-0"



5 RAMP SECTION
3/4" = 1'-0"



6 RAMP SECTION
3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

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263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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Illinois Design Firm Registration #184008976-0014

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PROJECT #25006561.00

SCALE AS NOTED
DATE 06/05/2026
DRAWN MAM
FILE #225093-2

REVISION | DESCRIPTION

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Six Flags Entertainment Corporation

RAMP DETAILS
UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
S-2.4
OF X

#225093-1

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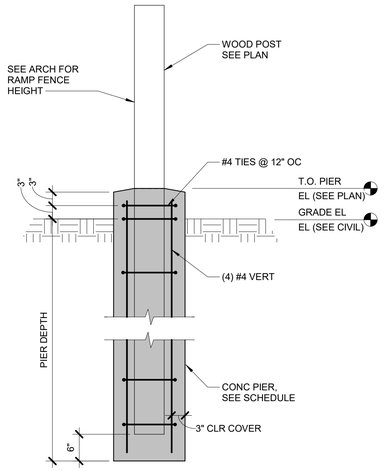


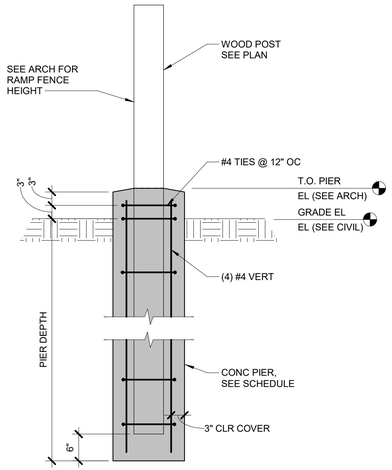
FENCE HEIGHT (FT)	PIER DEPTH (BELOW GRADE)	PIER DIAMETER
0'-0" TO 4'-0"	4'-0"	18"
6'-8"	4'-6"	18"
9'-8"	5'-6"	18"

NOTES:

1. SEE ARCH FOR FENCE HEIGHTS.
2. SEE ARCH FOR POST LOCATIONS. MAXIMUM SPACING 5'-0".

1 RAMP DRILLED PIER DETAIL

3/4" = 1'-0"



FENCE/GATE HEIGHT/LABEL	PIER DEPTH	PIER DIAMETER
0'-0" TO 4'-0" MESH FENCE	4'-0"	18"
6'-8" MESH FENCE	4'-6"	18"
9'-8" MESH FENCE	5'-6"	18"
8'-9" MAX SCREEN FENCE	6'-0"	18"
4'-0" GATE	4'-6"	18"
8'-0" GATE	7'-0"	18"
9'-8" GATE	7'-6"	18"

NOTES:

1. SEE ARCH FOR FENCE AND GATE HEIGHTS.
2. SEE ARCH FOR POST LOCATIONS. MAXIMUM SPACING 5'-0" AT FENCES.

2 FENCE AND GATE PIER DETAIL

3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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FENCE/GATE DETAILS

UTILITY DEMO PLAN - WEST

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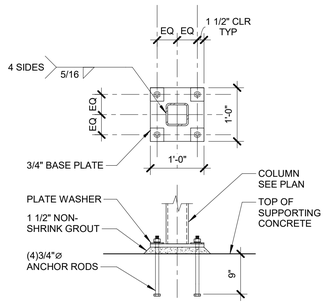
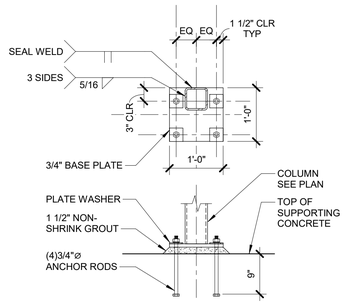
SEE AISC MANUAL PART 14 FOR REQD BASE PLATE HOLE AND PLATE WASHER DIMENSIONS



1 HSS COLUMN BASE PLATE (BP1)

3/4" = 1'-0"

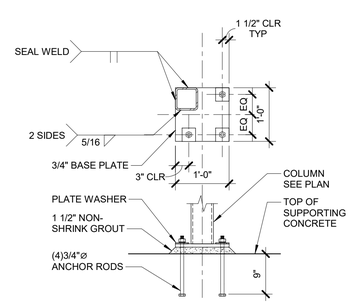
SEE AISC MANUAL PART 14 FOR REQD BASE PLATE HOLE AND PLATE WASHER DIMENSIONS



2 HSS COLUMN BASE PLATE (BP2)

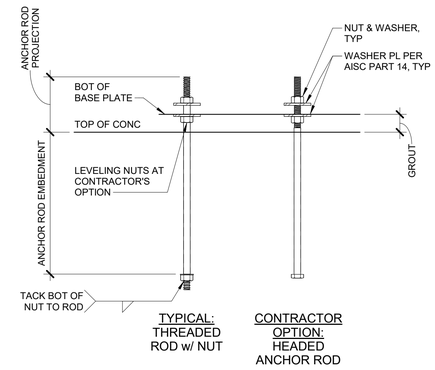
3/4" = 1'-0"

SEE AISC MANUAL PART 14 FOR REQD BASE PLATE HOLE AND PLATE WASHER DIMENSIONS



3 HSS COLUMN BASE PLATE (BP3)

3/4" = 1'-0"

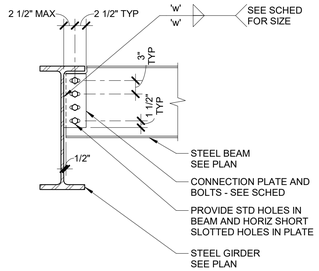


4 CAST-IN ANCHOR RODS

3/4" = 1'-0"

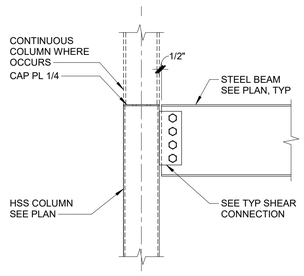
SINGLE PLATE CONNECTION SCHEDULE

BEAM SIZE	NO. OF BOLTS	CONNECTION WITH 3/4"Ø BOLTS	
		PL THICK	PL WELD
C8, C10	2	1/4"	3/16"
W8, W10	2	1/4"	3/16"
W12, W14	3	1/4"	3/16"



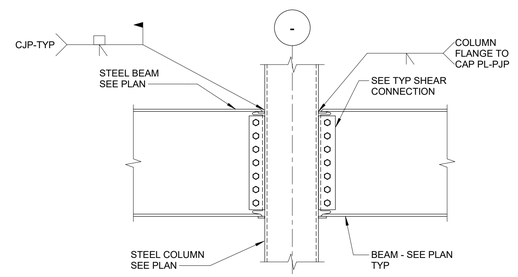
5 SHEAR CONNECTION TO BEAM

3/4" = 1'-0"



6 WF CONNECTION TO HSS COLUMN

3/4" = 1'-0"

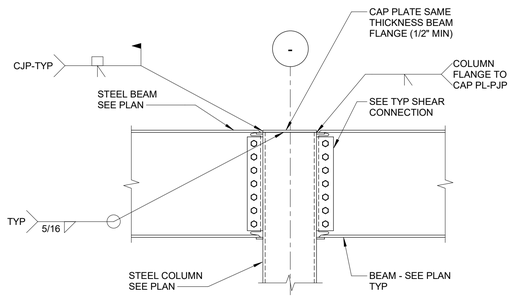


NOTES:

1. INTERSECTING BEAM NOT SHOWN FOR CLARITY.

7 BEAM AT COLUMN MOMENT CONNECTION

3/4" = 1'-0"

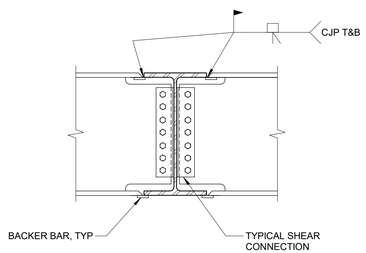


NOTES:

1. INTERSECTING BEAM NOT SHOWN FOR CLARITY.

8 ROOF BEAM AT COLUMN MOMENT CONNECTION

3/4" = 1'-0"



9 MOMENT CONNECTION

3/4" = 1'-0"

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TYPICAL STEEL DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-3.0

OF X

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOHUE
081-009552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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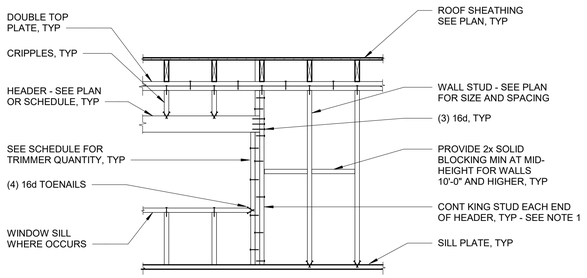


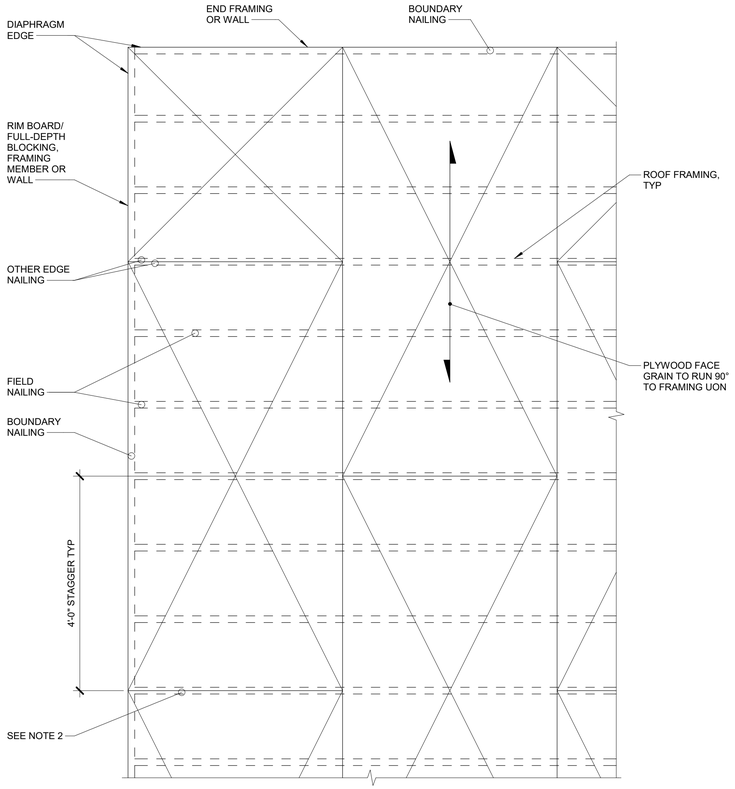
WOOD HEADER SCHEDULE				
MARK	SIZE	TRIMMER STUDS	KING STUDS	REMARKS
H1	(3) 2x6	2x6	(2) 2x6	-

NOTE:

1. NAIL TRIMMERS AND KING STUDS TOGETHER WITH 16d NAILS @ 12" OC, STAGGERED EACH FACE.

1 TYPICAL STUD WALL FRAMING DETAIL

1/2" = 1'-0"



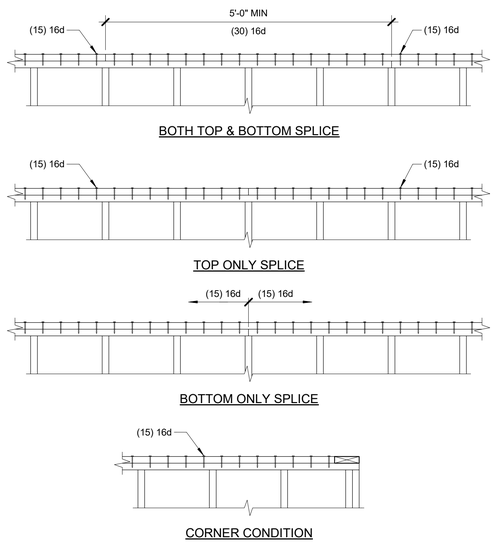
PLYWOOD NAIL SPACING SCHEDULE						
LOCATION	BOUNDARY NAILING	EDGE NAILING	OTHER EDGE NAILING	FIELD NAILING	SOLID BLOCKING	REMARKS
ROOF	4"	4"	6"	12"	YES	-

NOTES:

1. SHEATHING NAILS SHALL BE 10d NAILS, PENETRATING 1 1/2" INTO THE FRAMING MEMBER OR BLOCKING. ALL NAILS SHALL BE COMMON NAILS.
2. ALL INTERIOR PANEL EDGES SHOWN ON NAILING PLAN SHALL HAVE TWO ROWS OF BOUNDARY EDGE NAILING. ONE ROW EACH EDGE WHERE SHEATHING PANELS ABUT.
3. PLYWOOD THICKNESS AND GRADE PER PLAN AND GENERAL NOTES.
4. ALL SHEATHING PANELS TO BE 4'-0" x 8'-0" EXCEPT WHERE JOB CONDITIONS PROHIBIT. JOINTS FROM SUCCESSIVE ROWS SHALL BE STAGGERED 4'-0" AS SHOWN. MINIMUM PANEL SIZE TO BE 2'-0" x 2'-0".
5. THE OWNER SHALL APPROVE THE USE OF OSB SHEATHING IN LIEU OF PLYWOOD SPECIFIED ON THE APPROVED CONTRACT DOCUMENTS.

2 ROOF DIAPHRAGM

3/4" = 1'-0"



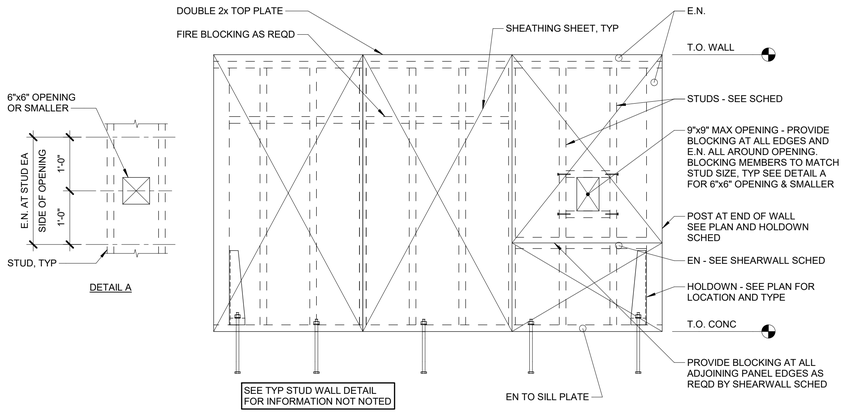
3 TOP PLATE SPLICE AT BEARING / SHEAR WALL

3/4" = 1'-0"
6500-03

SHEAR WALL SCHEDULE								
MARK	SIDES	SHEATHING NAILING		FOUNDATION		A35 OR LTP4 TRANSFER CLIP SPACING	REMARKS	HOLDOWN TYPE (SEE 5/S-4.0)
		EDGE (E.N.)	FIELD (F.N.)	SILL PLATE	3/4"Ø A.B. SPG			
SW1	ONE	8d @ 6"	8d @ 12"	2x	32"	16"	-	H1
SW2	ONE	10d @ 6"	10d @ 12"	2x	32"	16"	-	H2
SW3	ONE	10d @ 4"	10d @ 4"	2x	32"	16"	-	H3

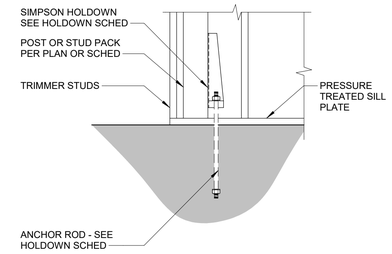
NOTES:

1. APA RATED, STRUCTURAL 1, 15/32" MIN, 5-PLY, EXPOSURE 1 OR APPROVED OSB.
2. ALL NAILS SHALL BE COMMON OR GALVANIZED BOX NAILS WITH 1 1/2" MIN PENETRATION INTO FRAMING.
3. FOR TRANSFER NAILING, PREDRILL HOLES FOR NAILS WHERE NAILS TEND TO SPLIT WOOD.
4. PROVIDE 3X STUDS OR 3X BLOCKING AT ADJOINING PANEL EDGES,
5. SEE GENERAL NOTES FOR PLYWOOD INFORMATION.
6. PROVIDE BLOCKING IN SHEAR WALL PER TYP SHEAR WALL ELEVATION DETAIL.
7. 1/2" EDGE DISTANCE FROM THE PANEL EDGES AND 3/8" FROM THE EDGE OF CONNECTING MEMBERS.
8. ALL WOOD STRUCTURAL PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED AT ALL PANEL EDGES.
9. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH PLYWOOD.



4 WOOD SHEAR WALL ELEVATION WITH HOLDOWNS

3/4" = 1'-0"
6521-01



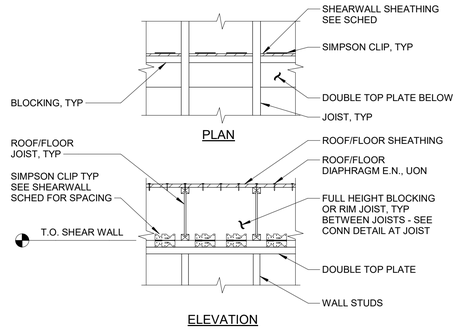
HOLDOWN SCHEDULE			
MARK	MODEL	THREADED ROD ANCHOR	POST IN 2x6 WALL
H1	HDU5-SDS2.5	5/8"Ø w/ 12" EMBED	6x6
H2	HDU8-SDS2.5	7/8"Ø w/ 12" EMBED	6x6
H3	HDU11-SDS2.5	1"Ø w/ 16" EMBED	6x6

NOTES:

1. TYPICAL POST SIZE SHOWN IN SCHEDULE, UON ON PLAN.
2. INSTALL HOLDOWNS PER SIMPSON STRONG-TIE SPECIFICATIONS.
3. NOTCHES ARE NOT ALLOWED IN SHEARWALL END POSTS.

5 HOLDOWNS DETAIL

3/4" = 1'-0"



6 SHEAR WALL BLOCKING

3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOHUE
081-009552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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TYPICAL WOOD DETAILS

UTILITY DEMO PLAN - WEST

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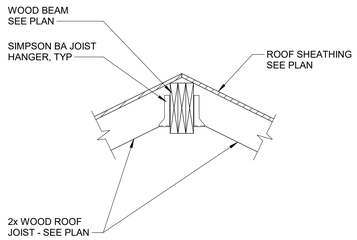
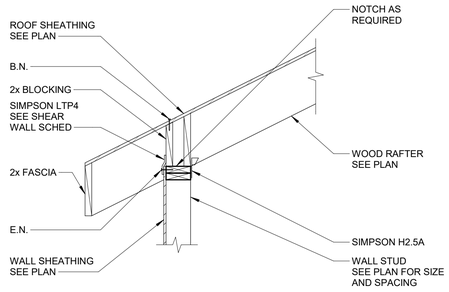


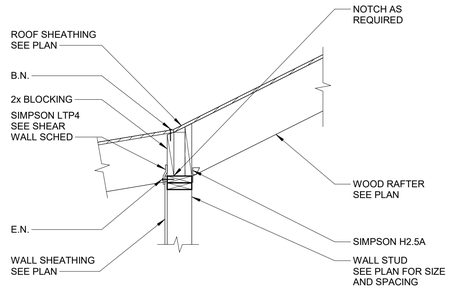
1 ROOF JOIST BEARING AT BEAM

3/4" = 1'-0"



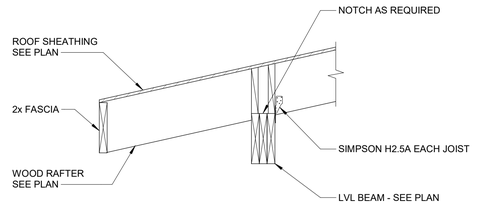
2 RAFTER BEARING DETAIL

3/4" = 1'-0"



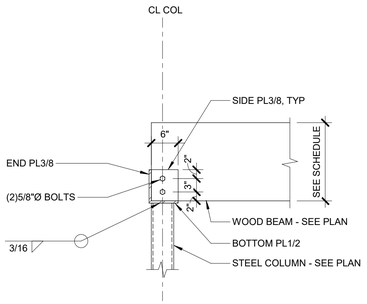
3 RAFTER BEARING DETAIL

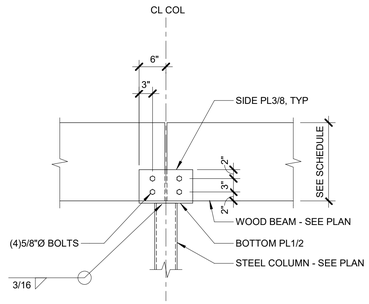
3/4" = 1'-0"



4 RAFTER BEARING DETAIL

3/4" = 1'-0"

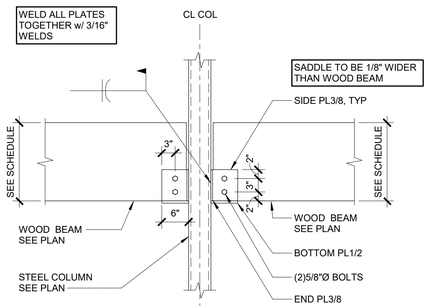




NOTES:
1. SADDLE TO BE 1/8" WIDER THAN WOOD BEAM.
2. WELD ALL PLATES TOGETHER w/ 3/16" WELDS.

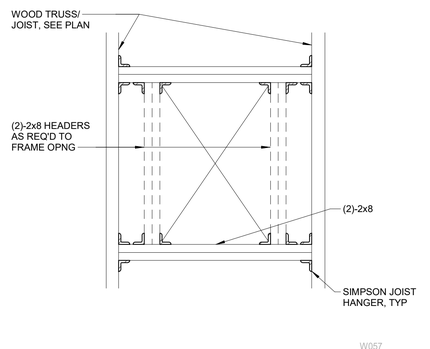
5 WOOD BEAM TO STEEL COLUMN CONNECTION

3/4" = 1'-0"
6650-11



6 WOOD BEAM TO FACE OF STEEL COLUMN

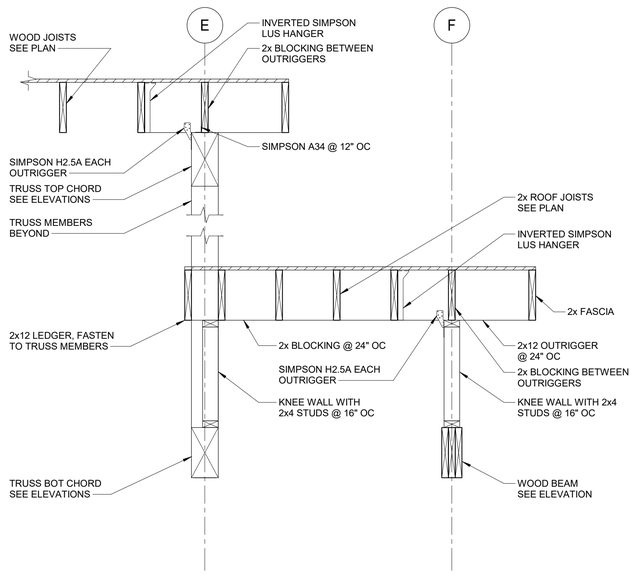
3/4" = 1'-0"
6650-12



W057

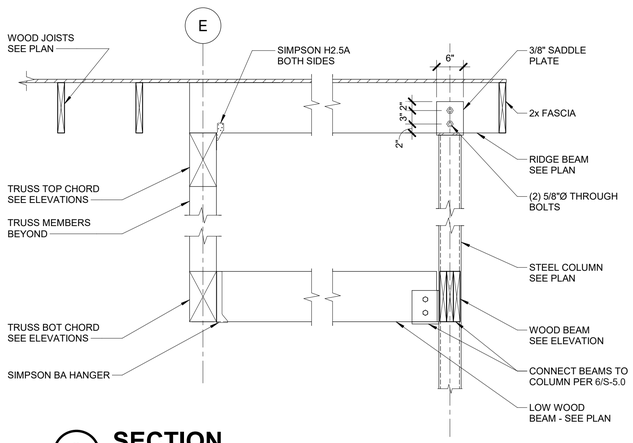
7 OPENING THRU FLOOR & ROOF FRAMING

3/4" = 1'-0"



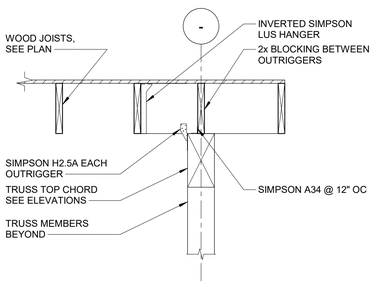
8 SECTION

3/4" = 1'-0"



9 SECTION

3/4" = 1'-0"



10 DETAIL

3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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PROJECT #25006561.00

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

QUEUE BUILDING FRAMING DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-5.0

OF X

#225093-1

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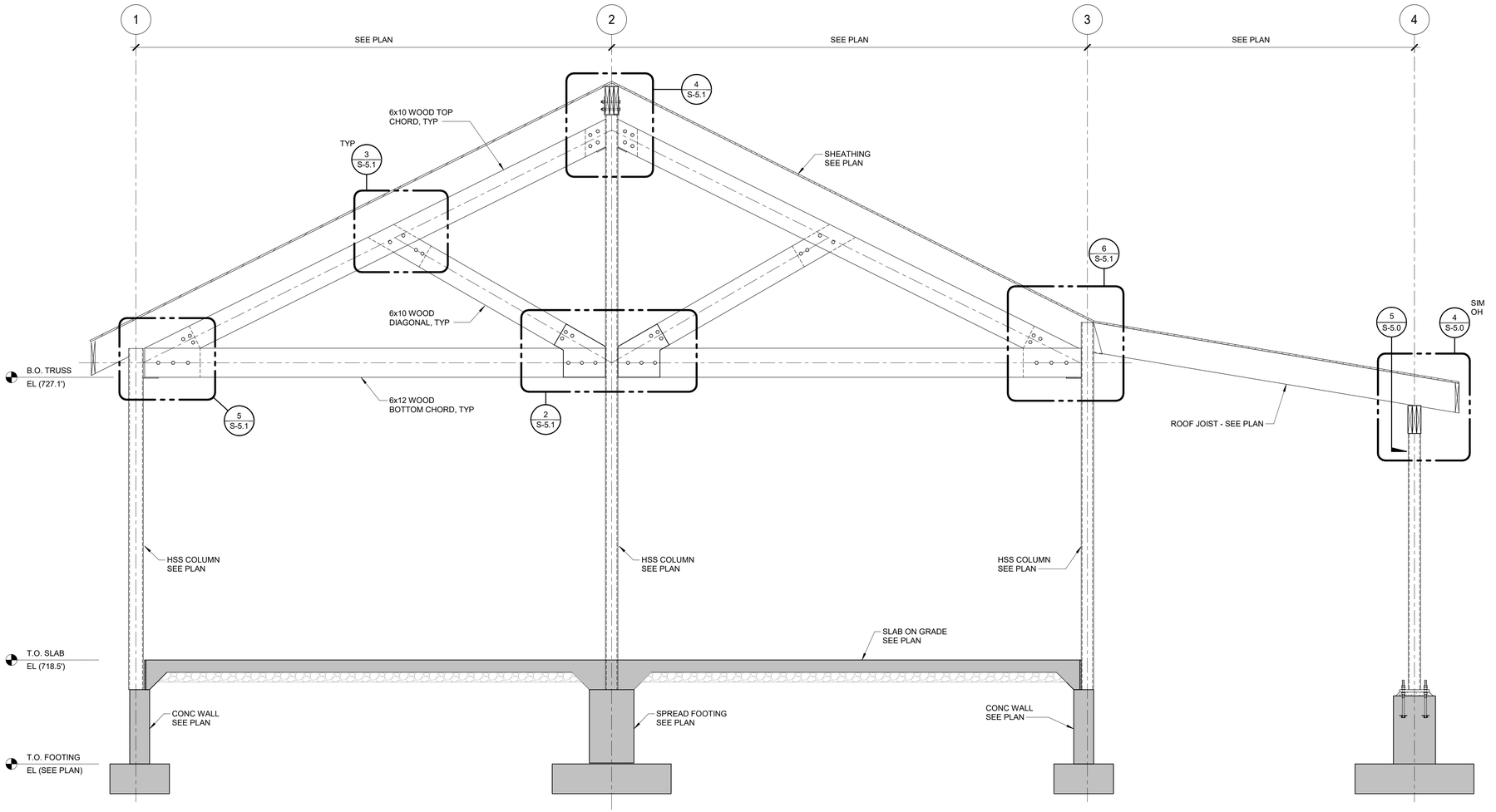
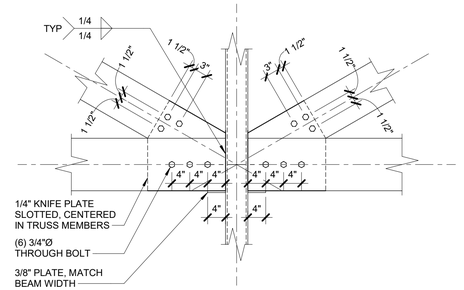


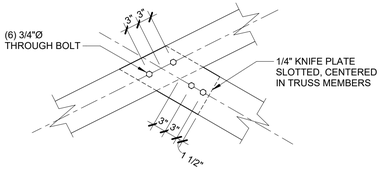
NOTE:

1. ALL TRUSS MEMBERS ARE CEDAR TIMBER #1.
2. MINIMUM DESIGN VALUES:
   Fb = 725 PSI
   Fv = 155 PSI
   E = 1,000,000 PSI
   Fc = 825 PSI

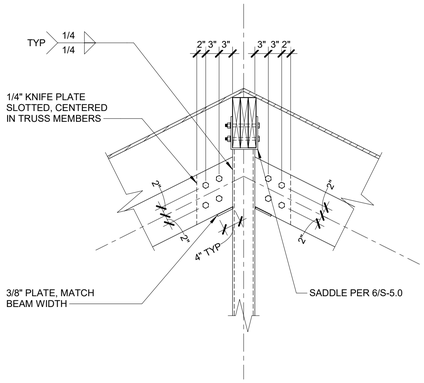
1 TRUSS ELEVATION
1/2" = 1'-0"



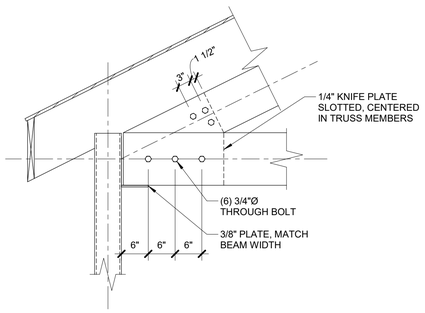
2 DETAIL
3/4" = 1'-0"



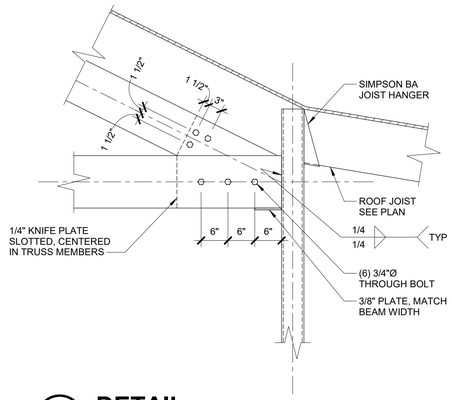
3 DETAIL
3/4" = 1'-0"



4 DETAIL
3/4" = 1'-0"



5 DETAIL
3/4" = 1'-0"



6 DETAIL
3/4" = 1'-0"

SCALE	AS NOTED
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DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

QUEUE BUILDING FRAMING DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
S-5.1
OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
www.imegcorp.com
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320

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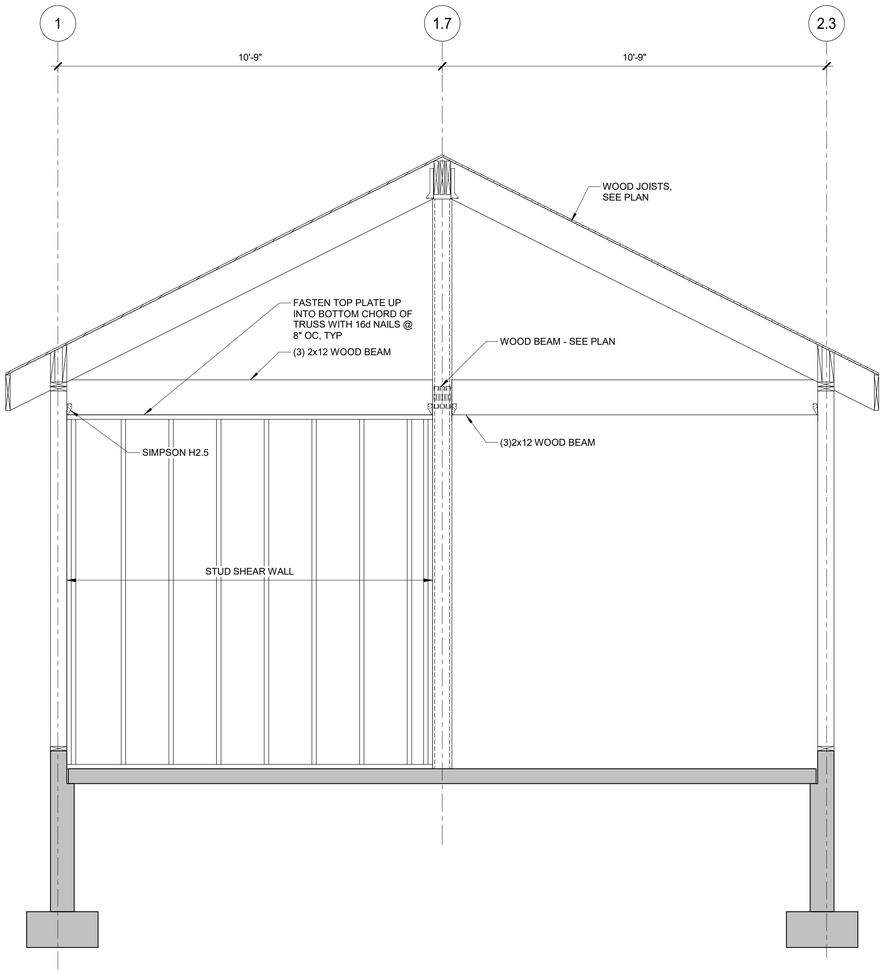
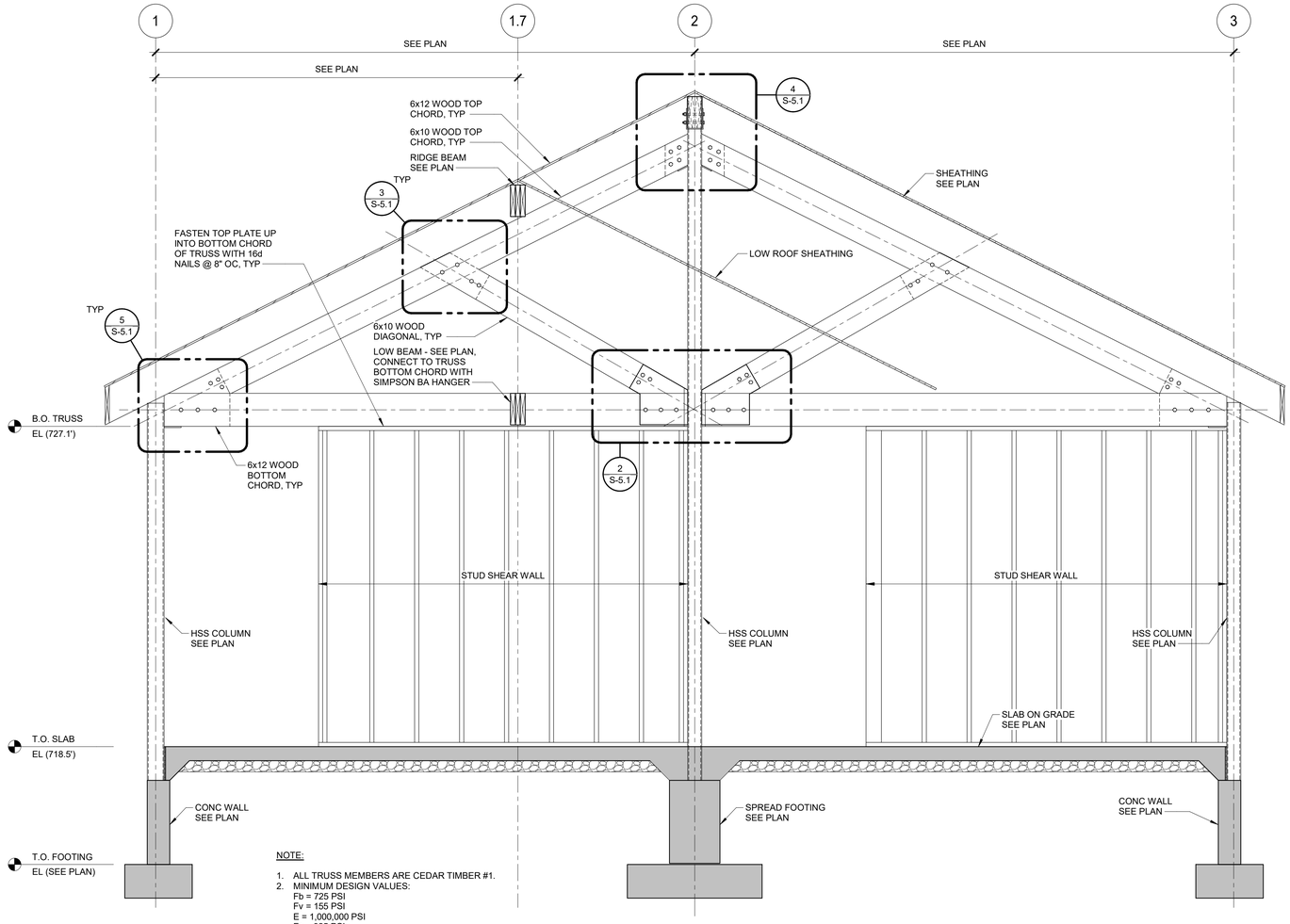


1 ELEVATION

1/2" = 1'-0"



NOTE:

1. ALL TRUSS MEMBERS ARE CEDAR TIMBER #1.
2. MINIMUM DESIGN VALUES:
   Fb = 725 PSI
   Fv = 155 PSI
   E = 1,000,000 PSI
   Fc = 825 PSI

2 TRUSS ELEVATION

1/2" = 1'-0"

SCALE	AS NOTED
DATE	06/05/2026
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FILE	#225093-2

REVISION	DESCRIPTION

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QUEUE BUILDING FRAMING DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-5.2

OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008352
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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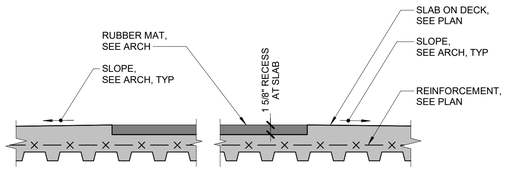
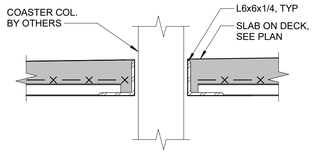
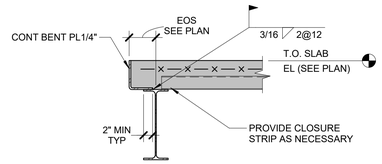
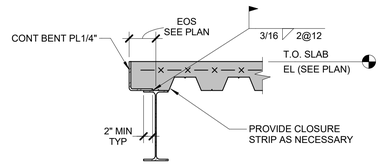


1 SECTION
1" = 1'-0"

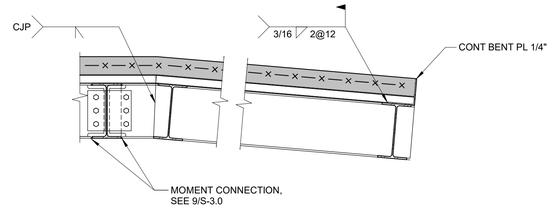


2 SECTION
1" = 1'-0"

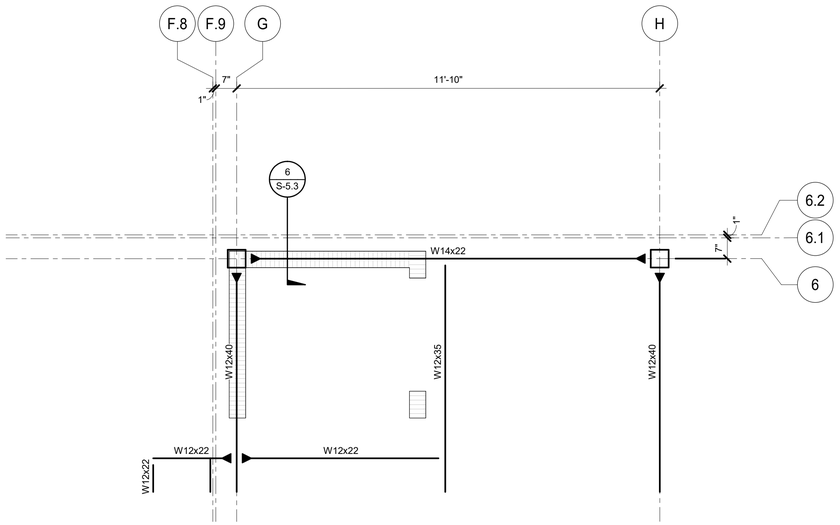




3 SLAB EDGE
3/4" = 1'-0"



4 CANTILEVERED BEAM
3/4" = 1'-0"

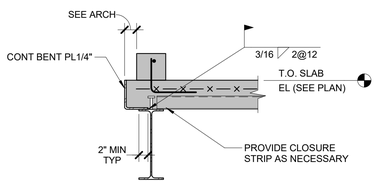


NOTE:

1. FOR ALL OPERATOR WALL OPENINGS, USE H1 WOOD HEADER PER 1/S-4.0.

NORTH

5 RIDE OPERATOR FRAMING PLAN - RIDE STATION PLATFORM
1/2" = 1'-0"



6 CURB AT OPERATOR ROOM
3/4" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008852
STATE OF FLORIDA
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.527.2320
www.imegcorp.com

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PROJECT #25006561.00

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

Six Flags Entertainment Corporation

STATION FLOOR FRAMING DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-5.3

OF X

#225093-1

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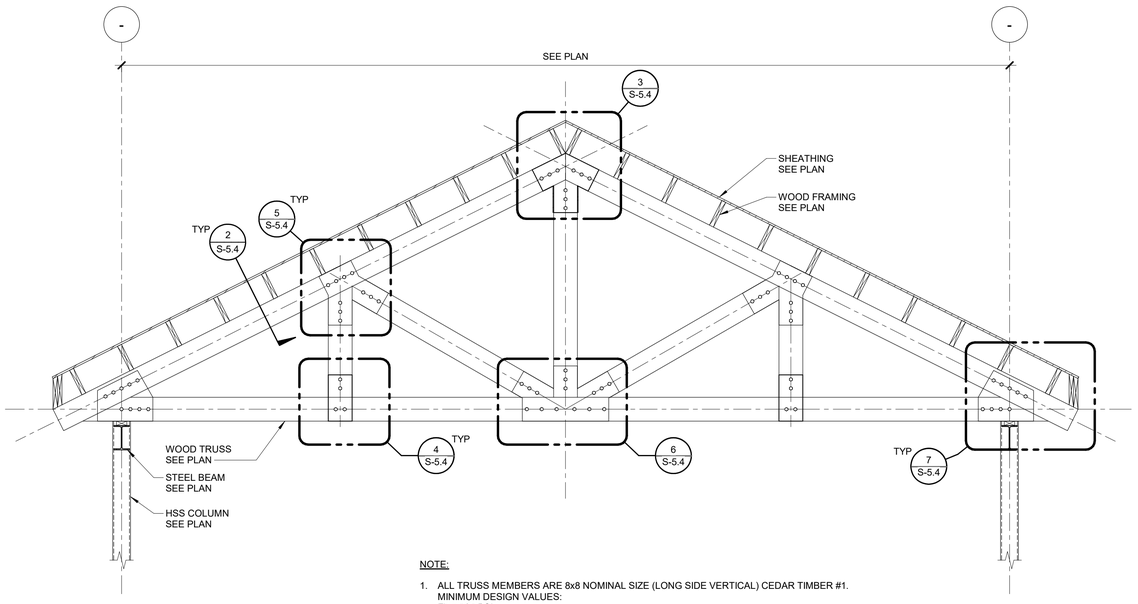
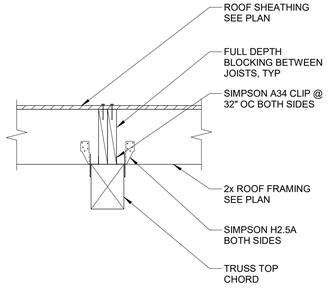


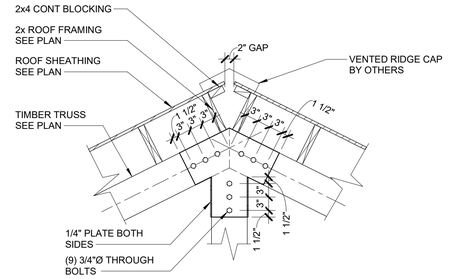
NOTE:

1. ALL TRUSS MEMBERS ARE 8x8 NOMINAL SIZE (LONG SIDE VERTICAL) CEDAR TIMBER #1.
   MINIMUM DESIGN VALUES:
   Fb = 725 PSI
   Fv = 155 PSI
   E = 1,000,000 PSI
   Fc = 825 PSI

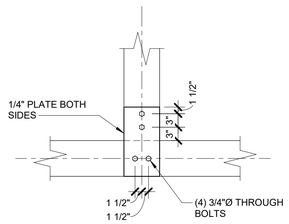
1 TRUSS ELEVATION
1/2" = 1'-0"



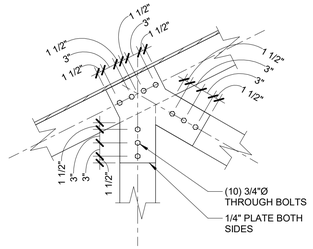
2 FRAMING DETAIL
1" = 1'-0"



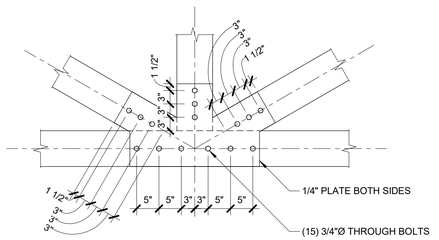
3 RIDGE DETAIL
3/4" = 1'-0"



4 DETAIL
3/4" = 1'-0"



5 DETAIL
3/4" = 1'-0"



6 DETAIL
3/4" = 1'-0"

7 DETAIL
3/4" = 1'-0"

8 WOOD NAILER TO STEEL BEAM
1 1/2" = 1'-0"

9 FRAMING DETAIL
1" = 1'-0"

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHAEL DONOVAN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG
263 SHUMAN BOULEVARD
SUITE 550
NAPERVILLE, IL 60563
P: 630.327.2320
www.imegcorp.com

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PROJECT #25006561.00

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DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

STATION ROOF FRAMING DETAILS
UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.
S-5.4
OF X

#225093-1

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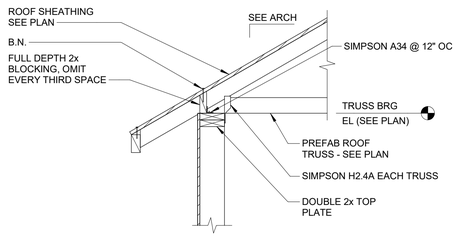
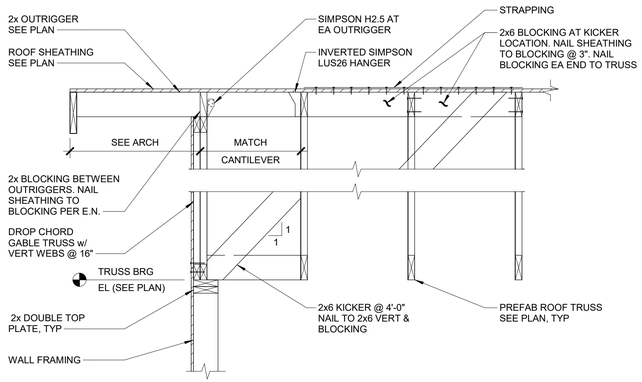


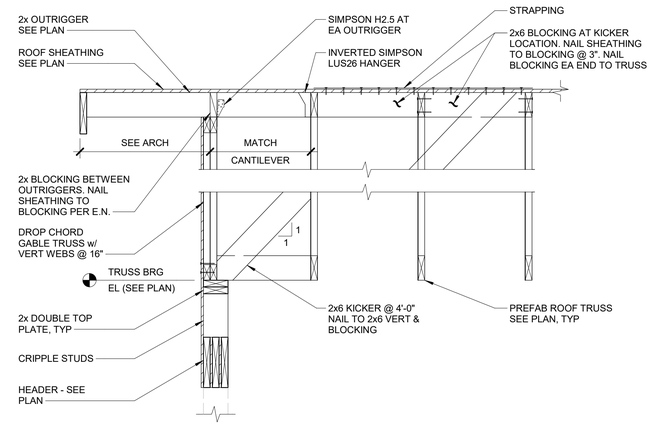
1 PITCHED ROOF TRUSS BEARING

3/4" = 1'-0"



2 GABLE END WALL

3/4" = 1'-0"



3 GABLE END WALL OVER OPENING

3/4" = 1'-0"

SCALE	AS NOTED
DATE	06/05/2026
DRAWN	MAM
FILE	#225093-2

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

ELECTRIC BUILDING FRAMING DETAILS

UTILITY DEMO PLAN - WEST

SFGM - COASTER

SHEET NO.

S-5.5

OF X

#225093-1

LICENSED STRUCTURAL ENGINEER
JOSEPH MICHEL DONDIVIN
081-008552
STATE OF ILLINOIS
EXP: 11/30/2026

IMEG 263 SHUMAN BOULEVARD SUITE 550 NAPERVILLE, IL 60563 P: 630.327.2320
www.imegcorp.com

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STRUCTURAL NOTES

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GOVERNING CODE

2024 ILLINOIS BUILDING CODE (REFERENCES IBC 2024 & ASCE-7 2016)

DESIGN LOADS

1. WIND LOAD (PER ASCE 7):
   - A. BASIC DESIGN WIND SPEED, V= 107 MPH
   - B. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} = 83 MPH
   - C. RISK CATEGORY = II
   - D. WIND EXPOSURE = C (ALL WIND DIRECTIONS)
   - E. NET FORCE COEFFICIENT OF OPEN SIGNS: C_f = 0.9

CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY SOIL AND MATERIAL CONSULTANTS, INC, DATED DECEMBER 18TH 2025. THE GEOTECHNICAL ENGINEER'S REPORT IS AVAILABLE UPON REQUEST.
   - A. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.
2. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.
3. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.
4. FILL MATERIALS: ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER, INCLUDING THE SUITABILITY OF ALL EXCAVATED ON-SITE SOILS FOR RE-USE. MATERIAL SHALL NOT BE PLACED ON FROZEN GROUND.
   - A. CONTROLLED LOW STRENGTH MATERIAL (CLSM): SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL WITH AN UNCONFINED COMPRESSIVE STRENGTH BETWEEN 50 PSI AND 150 PSI.
   - B. WELL GRADED GRANULAR MATERIAL: WELL GRADED MIXTURE OF CRUSHED GRAVEL, CRUSHED STONE, AND SAND PER ASTM D294 WITH AT LEAST 95 PERCENT PASSING A 1 ½" SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE.
   - C. FREE DRAINING GRANULAR FILL: NARROWLY GRADED MIXTURE OF CRUSHED STONE PER ASTM D448 WITH COARSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NO MORE THAN 5 PERCENT PASSING A NO. 4 SIEVE.
   - D. IMPERVIOUS FILL: LEAN CLAYEY GRAVEL AND SAND MIXTURE CAPABLE OF COMPACTING TO A DENSE STATE.
5. FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION. ELEVATION AND BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR CLSM UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS
6. FROST DEPTH IS 48 INCHES BELOW GRADE. BOTTOM OF FOOTINGS, MAT FOUNDATIONS AND GRADE BEAMS THAT ARE NOT PART OF AN INSULATED FROST PROTECTED FOUNDATION SYSTEM AND ARE NOT WITHIN CONDITIONED SPACE MUST BE BELOW SPECIFIED MINIMUM FROST DEPTH AS MEASURED FROM EXTERIOR GRADE. MAINTAIN SPECIFIED T/FDN ELEVATIONS AND THICKEN FOOTING OR PLACE ON CLSM AS REQUIRED.
7. FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL
8. LATERAL SOIL PRESSURES: PER THE LATERAL PRESSURES BELOW ARE BASED ON THE PRESUMPTIVE VALUES IN TABLE 1806.2 IN THE IBC 2024. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE LISTED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. LATERAL EARTH PRESSURES INDICATED BELOW DO NOT INCLUDE HYDROSTATIC OR COMPACTION PRESSURES DURING BACKFILL OPERATIONS. WALLS SHALL HAVE ADEQUATE DRAINAGE TO PREVENT HYDROSTATIC PRESSURES. COMPACT USING HAND-OPERATED TAMPERS ONLY.
9. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 95% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 3% OPTIMUM MOISTURE CONTENT.
10. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION
11. EXCAVATIONS:
    - A. EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS SHALL BE PERMITTED WITHOUT ANY SPECIAL MEASURES AS LONG AS THE BOTTOM NEAR EDGE OF THE EXCAVATION IS ABOVE A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION.

CAST-IN-PLACE CONCRETE:

1. CONCRETE MIXTURES: PROVIDE MIX DESIGNS IN ACCORDANCE WITH ACI 301-16 FOR SPECIFIED EXPOSURE CLASS AND AGGREGATES. NOMINAL MAX AGGREGATE SIZE = 3/4" UNLESS OTHERWISE NOTED:
   - A. FOUNDATION (NORMAL WEIGHT).
     - i. EXPOSURE CLASS: F0, S0, W0, C0.
     - ii. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
2. CONCRETE MATERIALS:
   - A. CEMENTITIOUS MATERIALS
     - i. PORTLAND CEMENT: ASTM C150, TYPE I OR TYPE II.
     - ii. BLENDED HYDRAULIC CEMENT: ASTM C595, TYPE IL, PORTLAND LIMESTONE CEMENT
     - iii. FLY ASH: ASTM C618, CLASS F OR C. FLY ASH SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
     - iv. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989, GRADE 100 OR 120. COMBINATION SLAG AND FLY ASH SHALL NOT EXCEED 50% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
   - B. AGGREGATES:
     - i. NORMAL WEIGHT AGGREGATES: ASTM C33, COARSE GRADED.
   - C. ADMIXTURES: ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.
     - i. WATER REDUCING ADMIXTURE: ASTM C494.
     - ii. PLASTICIZING ADMIXTURE: ASTM C1017.
     - iii. AIR ENTRAINING ADMIXTURE: ASTM C260.
   - D. WATER: ASTM C94 AND POTABLE
3. DETAILING REQUIREMENTS
   - A. PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.
4. PERFORMANCE
   - A. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1-90 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "GUIDE TO COLD WEATHER CONCRETING".
   - B. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305.1-14 "SPECIFICATION FOR HOT WEATHER CONCRETING" AND ACI 305R-10 "GUIDE TO HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND SPEED SHALL BE ENTERED INTO NOMOGRAPH FIGURE 4.2 IN ACI 305R-10 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
   - C. TOLERANCES: CONFORM TO ACI 117-10
5. SUBMITTALS:
   - A. CONCRETE MIX DESIGNS: CONCRETE MIX DESIGNS INCLUDING PRODUCT DATA FOR ALL CONSTITUENTS AND ADMIXTURES SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301-16 FIELD TEST DATA OR TRIAL MIXTURES. SUBMITTAL DATA MUST INCLUDE FIELD TEST DATA FROM AT LEAST 10 TESTS OR A THREE POINT CURVE GENERATED USING TRIAL MIXTURES.
   - B. PRODUCT DATA FOR CURING MATERIALS
6. QUALITY ASSURANCE
   - A. CONCRETE WORK AND TESTING, AS PERFORMED BY "QUALIFIED FIELD TESTING TECHNICIANS" AND "QUALIFIED LABORATORY TECHNICIANS", SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS ABOVE. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301-16 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.

CONCRETE REINFORCING:

1. MATERIALS
   - A. DEFORMED BARS: ASTM A615, GRADE 60.
2. PERFORMANCE
   - A. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.
   - B. REINFORCING BARS SHALL HAVE CLEAR COVER AS INDICATED ON THE DRAWINGS. WHERE NOT INDICATED, PROVIDE MINIMUM CLEAR COVER PER ACI-318.
   - C. REINFORCING BARS SHALL BE FREE OF DIRT AND FORM RELEASE AGENTS.
3. SUBMITTALS
   - A. SHOP DRAWINGS FOR REINFORCING STEEL (COMPLY WITH ACI SP-066):

STRUCTURAL STEEL

1. MATERIALS (UNLESS NOTED OTHERWISE):
   - A. PLATES AND BARS : ASTM A36, Fy = 36 KSI
   - B. THREADED RODS: ASTM A36
2. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR "DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION
3. FABRICATOR QUALIFICATIONS: STRUCTURAL STEEL FABRICATOR SHALL PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM, AND SHALL BE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.
4. SUBMITTALS
   - A. STRUCTURAL STEEL SHOP DRAWINGS
5. CONNECTIONS:
   - A. BOLTED CONNECTIONS ARE TO BE INSTALLED SNUG TIGHT UNLESS OTHERWISE NOTED.
6. PAINT AND PROTECTION:
   - A. MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURE, LOOSE LINTELS, AND RELIEVING ANGLES:
     - i. HOT DIP GALVANIZE PER ASTM A123 AFTER FABRICATION. COATING WEIGHT PER PARAGRAPH 5.1 OF ASTM A123 AND A153. FABRICATE ASSEMBLIES PER ASTM A143, A384, AND A385. AFTER ERECTION, REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS. FILL EXPOSED VENT AND DRAIN HOLES, NOT INDICATED AS WEEP HOLES, BY PLUGGING WITH ZINC SOLDER AND FILING OFF SMOOTH.

WOOD - ROUGH CARPENTRY

1. WOOD FRAMING MATERIALS:
   - A. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS):
     - i. POST & BEAMS: NO. 2 GRADE OR BETTER WESTERN RED CEDAR
2. ANCHORS AND FASTENERS:
   - A. BOLTS: ASTM A307, GRADE A (TYPICAL). FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153.
     - i. PROVIDE STANDARD CUT WASHER BETWEEN BOTH HEAD AND NUT TO WOOD CONNECTION.
   - B. NAILS: ASTM F1667. FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153
3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE MADE PER TABLE 2304.10.1 "FASTENING SCHEDULE", IN REFERENCED BUILDING CODE.
4. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL, AND ARE BASED ON THEIR CATALOG PUBLISHED CAPACITIES. ALL CONNECTORS SHALL BE INSTALLED USING THE MAXIMUM NAILING SPECIFIED AND PROPER NAIL SIZE UNLESS NOTED OTHERWISE.
   - A. EXTERIOR APPLICATIONS OR PRESERVATIVE TREATED, MATERIALS: ZMAX (G185), OR HOT DIPPED GALVANIZED, OR STAINLESS STEEL TYPE 304 OR TYPE 316 WHERE INDICATED. G60 AND G90 COATED PRODUCTS ARE NOT PERMITTED. ONLY USE GALVANIZED FASTENERS WITH ZMAX AND HOT DIP GALVANIZED CONNECTORS. ONLY USE STAINLESS STEEL FASTENERS WITH STAINLESS STEEL CONNECTORS.

SPECIAL INSPECTIONS

1. IT IS ASSUMED THAT SPECIAL INSPECTIONS ARE NOT REQUIRED, AND THAT THIS PROJECT MEETS THE EXCEPTIONS OF 1704.2 OF THE REFERENCED BUILDING CODE.

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REFERENCE
Hn	HEADER MARK	SHEET ---
n	FOOTING MARK	SHEET ---
BPn	BASE PL MARK	SHEET ---
Pn	PEDESTAL MARK	SHEET ---
Kn	KEYNOTE MARK	SHEET ---
	STEP T/FTG	SHEET ---
	ELEVATION INDICATION	SHEET ---

ABBREVIATIONS

NAME	DESCRIPTION
AFF =	ABOVE FINISHED FLOOR ELEVATION
ARCH =	ARCHITECT
BI =	BOTTOM OF
BLDG =	BUILDING
BOT =	BOTTOM
BRG =	BEARING
CFS =	COLD-FORMED STEEL
CJ =	CONTRACTION JOINT
CJP =	COMPLETE JOINT PENETRATION
CL =	CENTER LINE
CLR =	CLEAR
CLSM =	CONTROLLED LOW STRENGTH MATERIAL
CMU =	CONCRETE MASONRY UNIT
COL =	COLUMN
CONC =	CONCRETE
CONT =	CONTINUOUS
DEG or ° =	DEGREE
DIA or ø =	DIAMETER
EA =	EACH
EF =	EACH FACE
EL =	ELEVATION
EMB =	EMBEDMENT
EOD =	EDGE OF DECK
EOS =	EDGE OF SLAB
EQ =	EQUAL
EXIST =	EXISTING
EXP =	EXPANSION
FDN =	FOUNDATION
FS =	FAR SIDE
FTG =	FOOTING
GA =	GAGE
GALV =	GALVANIZED
GT =	GIRDER TRUSS
HORIZ =	HORIZONTAL
JST BRG =	JOIST BEARING
Ld =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
Ld-CMU =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN GROUTED CMU
Ldc =	COMPRESSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDH =	LONG DIMENSION HORIZONTAL
Ldh =	HOOKED BAR TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDV =	LONG DIMENSION VERTICAL
LLH =	LONG LEG HORIZONTAL
LLV =	LONG LEG VERTICAL
Ls =	LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
Ls-CMU =	LAP SPLICE LENGTH OF REINFORCING BAR IN GROUTED CMU
Lsc =	COMPRESSION LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
LSL =	LAMINATED STRAND LUMBER
LVL =	LAMINATED VENEER LUMBER
MCJ =	MASONRY CONTROL JOINT
MFR =	MANUFACTURER
NS =	NEAR SIDE
oc =	ON CENTER
OPNG =	OPENING
OPP =	OPPOSITE
P/T =	POST-TENSION
PAF =	POWER-ACTUATED FASTENER
PE =	PRE-ENGINEERED
PEMB =	PRE-ENGINEERED METAL BUILDING
PJP =	PARTIAL JOINT PENETRATION
PL =	PLATE
PSL =	PARALLEL STRAND LUMBER
PT =	PRESSURE TREATED
RD =	ROOF DRAIN
REINF =	REINFORCING
RTU =	ROOF TOP UNIT
SDS =	SELF DRILLING SCREWS
SIM =	SIMILAR
SL =	STEP LEDGE
SOMD =	SLAB ON METAL DECK
SPA =	SPACE or SPACES
SRD =	SECONDARY ROOF DRAIN
STIFF =	STIFFENER
STL =	STEEL
STW =	STEP TOP OF WALL
T/ =	TOP OF
UNO =	UNLESS NOTED OTHERWISE
VB =	VERTICAL BRACING
VERT =	VERTICAL
VIF =	VERIFY IN FIELD
w/ =	WITH
WP =	WORK POINT

JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Steven Schaefer Associates, Inc.
is a professional design firm
registered in Illinois #184.005633

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
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Schaefer Project Number: 25-2047

SCALE VARIES
DATE 06-05-2026
DRAWN REH / TWL
FILE #225093-2

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

GENERAL NOTES
SFGM - COASTER 2027

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2-S0.1

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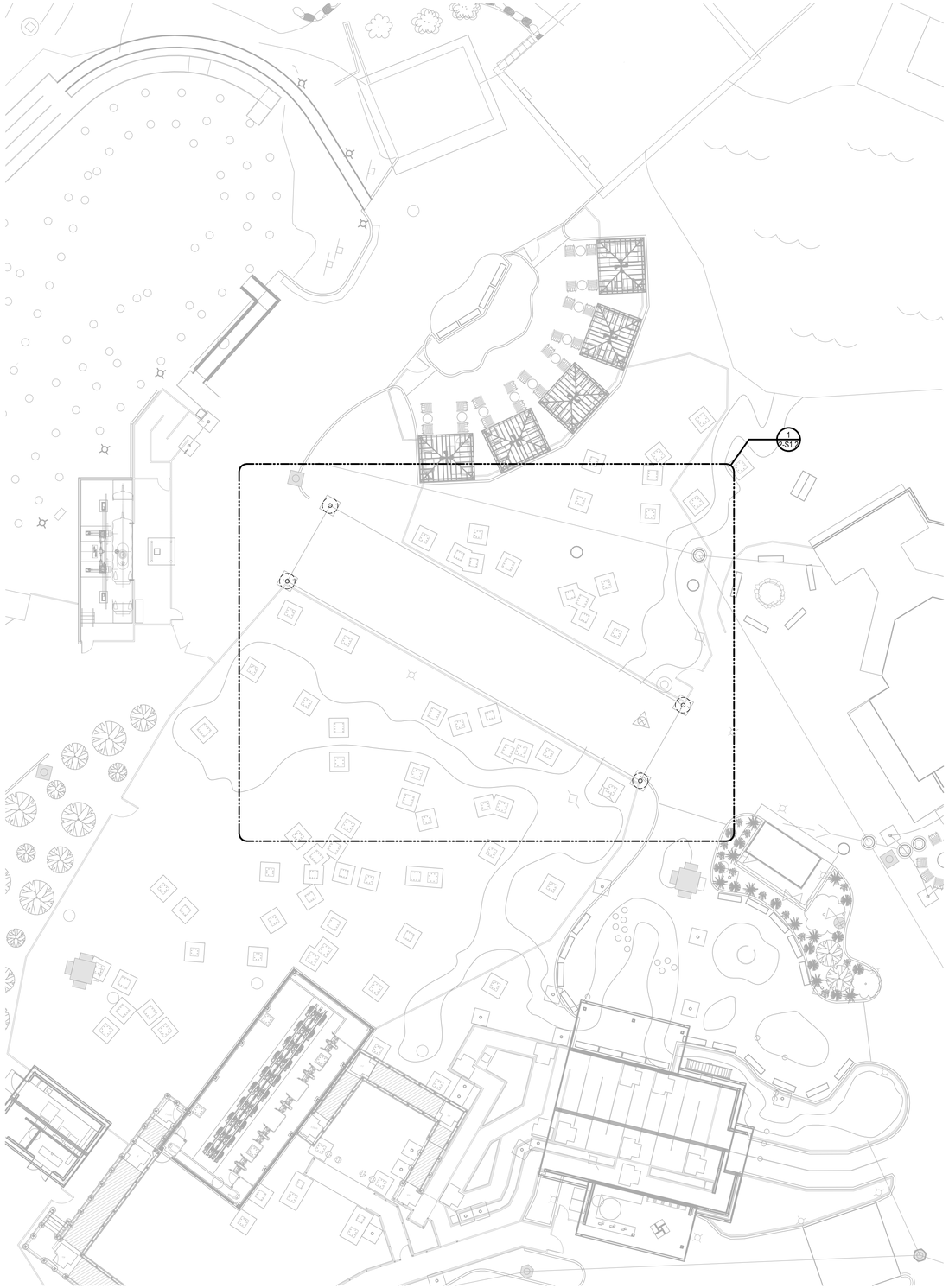

SITE PLAN (1) 1/16" = 1'-0" 2-S1.1

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JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

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is a professional design firm
registered in Illinois #184.005633

STRUCTURAL ENGINEERS
800.542.3302
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RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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SITE PLAN
SFGM - COASTER 2027

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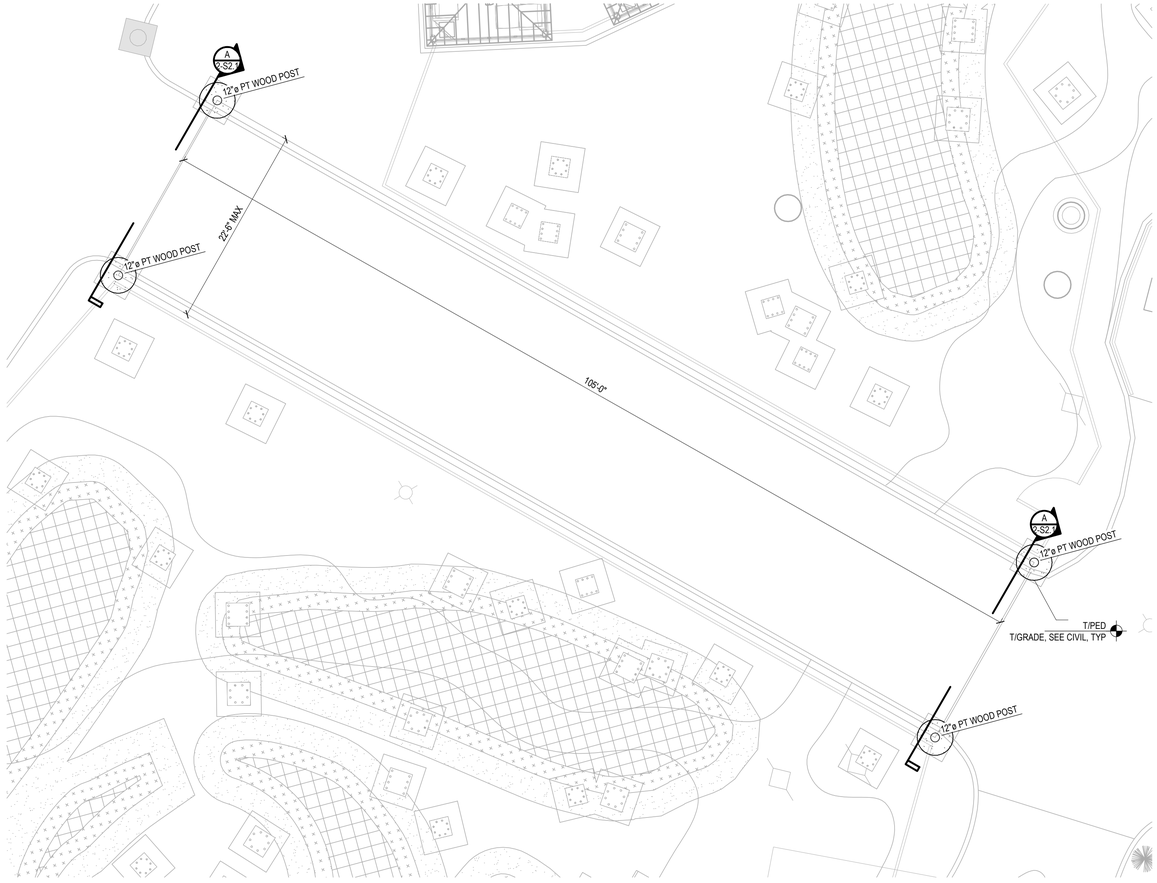

FOUNDATION PLAN (1 / 2-S1.2)
1/8" = 1'-0"

NORTH

JEFFREY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

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is a professional design firm
registered in Illinois #184.005633

STRUCTURAL ENGINEERS
800.542.3302
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SCALE	VARIES
DATE	06-05-2026
DRAWN	REH / TWL
FILE	#225093-2

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RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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FOUNDATION PLAN
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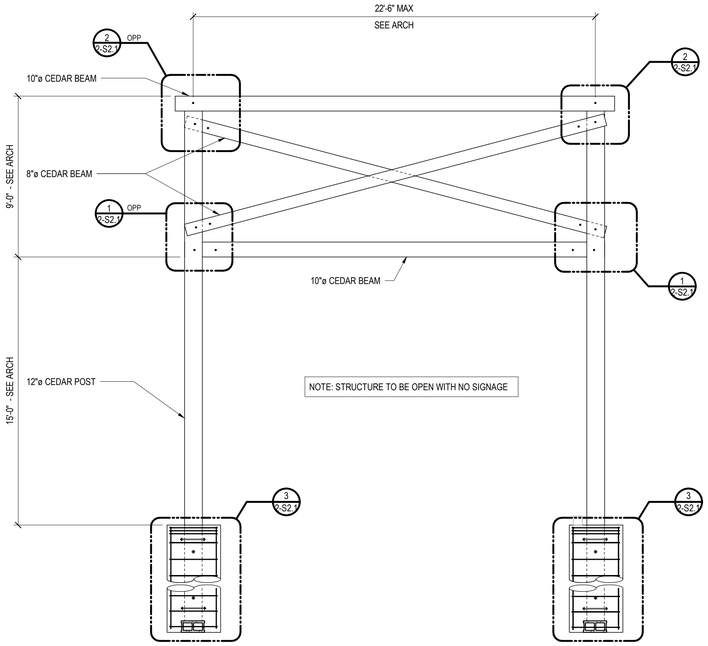
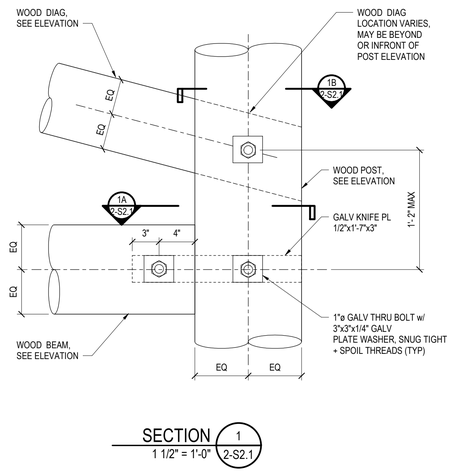
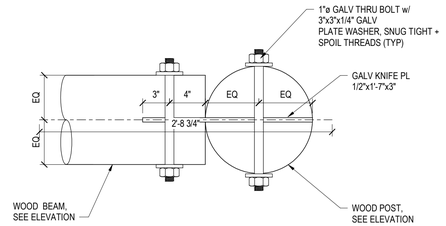


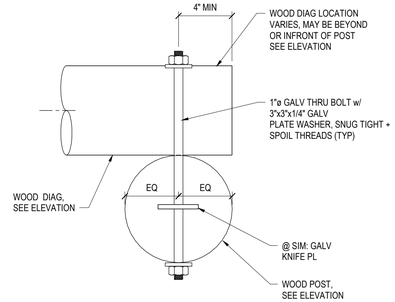
SECTION A
1/4" = 1'-0" 2-S2.1



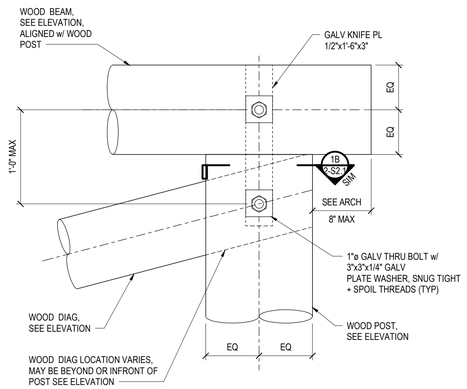
SECTION 1
1 1/2" = 1'-0" 2-S2.1



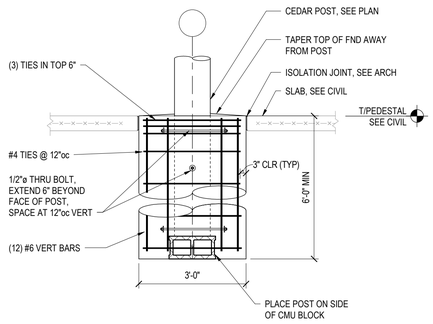
SECTION 1A
1 1/2" = 1'-0" 2-S2.1



SECTION 1B
1 1/2" = 1'-0" 2-S2.1



SECTION 2
1 1/2" = 1'-0" 2-S2.1



SECTION 3
1/2" = 1'-0" 2-S2.1

JEFFEREY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

Steven Schaefer Associates, Inc.
is a professional design firm
registered in Illinois #184.005633

STRUCTURAL ENGINEERS
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schaefer-inc.com
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Schaefer Project Number: 25-2047

SCALE VARIES
DATE 06-05-2026
DRAWN REH / TWL
FILE #225093-2

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RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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FOUNDATION & WOOD FRAMING DETAILS & SECTIONS

SFGM - COASTER 2027

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1 SITE ACCESSIBILITY PLAN
SCALE: 1/16" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STEVEN LOOK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

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Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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SITE ACCESSIBILITY

SFGM - COASTER 2021

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ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICAN WITH DISABILITIES ACCESSIBILITY GUIDELINES
AFF	ABOVE FINISH FLOOR
ABV	ABOVE
ACCESS	ACCESSIBLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
AT	ACOUSTICAL CEILING TILE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
CL	CENTER LINE
CAB	CABINET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CSWK	CASEWORK
CTR	CENTER
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DATUM POINT
DET	DETAIL
DWG(S)	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FC	FIXTURE CONTRACTOR
FEC	FIRE EXTINGUISHER CABINET
FO	FINISHED OPENING
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PANEL
FD	FLOOR DRAIN
FIG	FIGURE
FIN	FINISH
FL	FLOOR
FLUOR	FLUORESCENT
FRT	FIRE RETARDANT TREATED
FT	FOOT
GC	GC
GWB	GYPSUM WALL BOARD
GA	GAUGE
HDF	HIGH DENSITY FIBERBOARD
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ICC	INTERNATIONAL CODE COUNCIL
INCAN	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
JST	JOIST
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
MDF	MEDIUM DENSITY FIBERBOARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PLYWD	PLYWOOD
R	RADIUS
RO	ROUGH OPENING
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ	REQUIRED
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE
SUSP	SUSPENDED
TEMP	TEMPERATURE
THRU	THROUGH
TO	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
WC	WATER CLOSET
WIC	WOOD INSTITUTE OF CALIFORNIA
WR	WATER RESISTANT
W/	WITH
W/O	WITHOUT
WD	WOOD

GENERAL NOTES

GENERAL:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, AND SERVICES TO PERFORM THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS. ALL PERMITS SHALL BE IN THE OWNER'S NAME.
4. THE CONTRACTOR SHALL ALLOW WORK BY OWNER AND COORDINATE WORK AS NECESSARY WITH WORK BY OWNER.
5. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONSULT ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND IN EXISTING CONDITIONS.
6. THE CONTRACTOR SHALL STORE AND PROTECT ALL MATERIALS AS RECOMMENDED BY MANUFACTURER.
7. FINAL CLEAN UP SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

DRAWINGS:

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE FROM FACE OF STUDS OR MASONRY AT NEW CONSTRUCTION AND TO FINISHED FACE OF EXISTING CONSTRUCTION UNLESS INDICATED OTHERWISE.
3. CONTACT THE ARCHITECT IMMEDIATELY IF THE DRAWINGS CONTAIN INSUFFICIENT OR CONFLICTING INFORMATION. DEVIATION FROM THESE DRAWINGS WITHOUT ARCHITECT APPROVAL SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT.
4. THE CONTRACTOR SHALL EXAMINE DRAWINGS OF WORK TO BE PERFORMED BY OWNER FOR PURPOSES OF COORDINATING WORK WITH WORK BY OWNER.

CONSTRUCTION AND SAFETY:

1. CONTRACTOR SHALL BRACE CONSTRUCTION AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ARCHITECT IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF THE CONTRACTOR'S PERSONNEL OR SAFETY CONDITIONS.

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
ROBERT SHANE LOVE
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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Six Flags Entertainment Corporation

GENERAL NOTES AND ABBREVIATIONS

SFGM - COASTER 2021

SHEET NO.
2-A-0.1

#125093-2

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	225093-2 Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119591
Performance Sim, Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Make Selection

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	26
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Warehouse (Warehouse) : Nonresidential	26

Envelope Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	225093-2 Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Vertical Glazing / Wall Area:	0.212
Performance Sim, Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Make Selection

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, All-Wood Joist/Rafter/Truss, Exterior Envelope, [Bldg, Use 1 - Warehouse]	26	38.00	0.00	0.027	0.021
Floor:Floor, All-Wood Joist/Truss, Exterior Envelope, [Bldg, Use 1 - Warehouse]	26	19.00	0.00	0.051	0.033
NORTH					
Ext Wall:Ext Wall - North, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	40	19.00	0.00	0.067	0.051
Door:Door, Perf, Specs:; Product ID: , SHGC 0.19, VT 0.19, Exterior Envelope, [Bldg, Use 1 - Warehouse] (b)	21	---	---	0.420	0.630
EAST					
Ext Wall:Ext Wall - East, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	48	19.00	0.00	0.067	0.051
Window:Window, Metal Frame, Perf, Specs:; Product ID: , SHGC 0.29, VT 0.35, Exterior Envelope, [Bldg, Use 1 - Warehouse] (b)	18	---	---	0.290	0.360
SOUTH					
Ext Wall:Ext Wall - South, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	48	19.00	0.00	0.067	0.051
WEST					
Ext Wall:Ext Wall - West, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	48	19.00	0.00	0.067	0.051

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES: Design 12% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard S. Ladrick — 06-04-2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 0% were addressed directly in the COMcheck software.

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & ReqID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1]¹	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Footing / Foundation Inspection

Section # & ReqID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1]¹	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- N/A	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
4.2.4 [FO3]¹	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- N/A ☒ Unheated ☐ Heated	R- ☐ Unheated ☐ Heated	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.7 [FO5]¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.3 [FO7]¹	Insulation in contact with the ground has ≤0.3% water absorption rate per ASTM C272.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.4.4.1.5 [FO11]¹	Bottom surface of floor structures incorporating radiant heating insulated to ≥=R-3.5.	R- N/A	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Framing / Rough-In Inspection

Section # & ReqID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1]¹	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.1 [FR15]¹	The buildings complies with measured air leakage requirements in Section 5.4.3.1.4 or with continuous air barrier design and installation in accordance with Section 5.9.1.2			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.4.3a [FR8]¹	Vertical fenestration U-Factor.	U- 0.290	U-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.3b [FR9]¹	Skylight fenestration U-Factor.	U- N/A	U-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.4.1 [FR10]¹	Vertical fenestration SHGC value.	SHGC: 0.290	SHGC:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.4.2 [FR11]¹	Skylight SHGC value.	SHGC: N/A	SHGC:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12]¹	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.2.2 [FR13]¹	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.6 [FR14]¹	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U- 0.420 ☒ Swinging ☐ Nonswinging	U- ☐ Swinging ☐ Nonswinging	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & ReqID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]¹	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
8.4.3 [EL11]¹	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

LICENSED ARCHITECT — EXPIRATION DATE 11-30-26 — RICHARD STANLEY LADRICK — STATE OF ILLINOIS

FIRM REGISTRATION NUMBER 184004116

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

SCALE	VARIES
DATE	06-05-2026
DRAWN	BK
FILE	#225093-2

REVISION	DESCRIPTION

Six Flags Entertainment Corporation

COMCHECK - RIDE OPERATOR

SFGM - COASTER 2027

SHEET NO.

2-A-0.2

#225093-2

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Insulation Inspection

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.1 [IN10]	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.9 [IN18]	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.4 [IN11]	Eaves are baffled to deflect air to above the insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.5 [IN12]	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.6 [IN13]	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.1 [IN15]	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.2 [IN16]	Foundation vents do not interfere with insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.8 [IN17]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN2]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R- 38 ☐ Above deck ☐ Metal ☒ Attic	R- ☐ Above deck ☐ Metal ☐ Attic	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2, 5.8.1.3 [IN3]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN5]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 19 ☐ Mass ☐ Metal ☐ Steel ☒ Wood	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2 [IN7]	Above-grade wall insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN5]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 19 ☐ Mass ☐ Steel ☒ Wood	R- ☐ Mass ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2 [IN3]	Floor insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1]	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROSS STEVEN RSLER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

Six Flags Entertainment Corporation

COMCHECK - RIDE OPERATOR

SFGM - COASTER 2027

SHEET NO.
2-A-0.3

#225093-2

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	225093-2 Ride Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119560
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Make Selection

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	414
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Warehouse (Warehouse) : Nonresidential	414

Envelope Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	225093-2 Ride Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Make Selection

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, All-Wood Joist/Rafter/Truss, Exterior Envelope, [Bldg, Use 1 - Warehouse]	414	49.00	0.00	0.021	0.021
Floor:Floor, Unheated Slab-On-Grade Fully insulated (uniform R-value across perimeter + under entire slab), Exterior Envelope, [Bldg, Use 1 - Warehouse] (b)	82	---	10.00	0.360	0.520
NORTH					
Ext Wall:Ext Wall, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	230	19.00	0.00	0.067	0.051
EAST					
Ext Wall:Ext Wall 1, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	180	19.00	0.00	0.067	0.051
Door:Door, Insulated Metal, Swinging, Exterior Envelope, [Bldg, Use 1 - Warehouse]	21	---	---	0.157	0.370
SOUTH					
Ext Wall:Ext Wall 2, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	230	19.00	0.00	0.067	0.051
Door:Door 1, Insulated Metal, Swinging, Exterior Envelope, [Bldg, Use 1 - Warehouse]	21	---	---	0.157	0.370
Door:Door 2, Insulated Metal, Swinging, Exterior Envelope, [Bldg, Use 1 - Warehouse]	48	---	---	0.157	0.370
WEST					
Ext Wall:Ext Wall 3, Wood Frame, Any Spacing, Exterior Envelope, [Bldg, Use 1 - Warehouse]	180	19.00	0.00	0.067	0.051
Door:Door 3, Insulated Metal, Swinging, Exterior Envelope, [Bldg, Use 1 - Warehouse]	32	---	---	0.157	0.370

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 7% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard S. Ladrick		06-04-2026
Name - Title	**Signature**	**Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 0% were addressed directly in the COMcheck software .

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & ReqID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1]:	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR9]:	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Footing / Foundation Inspection

Section # & ReqID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1]:	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- N/A	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
4.2.4 [FO3]:	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 10 ☒ Unheated ☐ Heated	R- ☐ Unheated ☐ Heated	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2 [FO4]:	Slab edge insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.5 [FO5]:	Slab edge insulation depth/length.	3 ft	ft	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.7 [FO6]:	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.3 [FO7]:	Insulation in contact with the ground has ≤+0.3% water absorption rate per ASTM C272.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.4.4.1.5 [FO11]:	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	R- N/A	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Framing / Rough-In Inspection

Section # & ReqID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1]:	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.1 [FR15]:	The buildings complies with measured air leakage requirements in Section 5.4.3.1.4 or with continuous air barrier design and installation in accordance with Section 5.9.1.2			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.4.3a [FR8]:	Vertical fenestration U-Factor.	U- N/A	U-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.3b [FR9]:	Skylight fenestration U-Factor.	U- N/A	U-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.4.1 [FR10]:	Vertical fenestration SHGC value.	SHGC: N/A	SHGC:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.5.4.4.2 [FR11]:	Skylight SHGC value.	SHGC: N/A	SHGC:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12]:	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.2.2 [FR13]:	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.6 [FR14]:	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U- 0.157 ☒ Swinging ☐ Nonswinging	U- ☐ Swinging ☐ Nonswinging	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & ReqID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]:	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
8.4.3 [EL11]:	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

LICENSED ARCHITECT
EXPIRATION DATE
11.30.26
ROSS STANLEY MAJOR
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SCALE VARIES
DATE 06-05-2026
DRAWN BK
FILE #225093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

COMCHECK - ELECTRIC BUILDING
SFGM - COASTER 2027

SHEET NO.
2-A-0.4

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Insulation Inspection

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.1 [IN10][1]	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.9 [IN18][1]	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.4 [IN11][1]	Eaves are baffled to deflect air to above the insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.5 [IN12][2]	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.6 [IN13][2]	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.1 [IN15][2]	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.2 [IN16][2]	Foundation vents do not interfere with insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.8 [IN17][2]	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN2][1]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R- 49 ☐ Above deck ☐ Metal ☒ Attic R- ☐ Above deck ☐ Metal ☐ Attic		☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2, 5.8.1.3 [IN3][1]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN6][1]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 19 ☐ Mass ☐ Metal ☐ Steel ☒ Wood	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*
5.8.1.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN8][1]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- N/A ☐ Mass ☐ Steel ☐ Wood	R- ☐ Mass ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Envelope Assemblies table for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1][1]	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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Six Flags Entertainment Corporation

REVISION	DESCRIPTION

SCALE VARIES
DATE 06-05-2026
DRAWN BK
FILE #225093-2

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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COMCHECK - ELECTRIC BUILDING

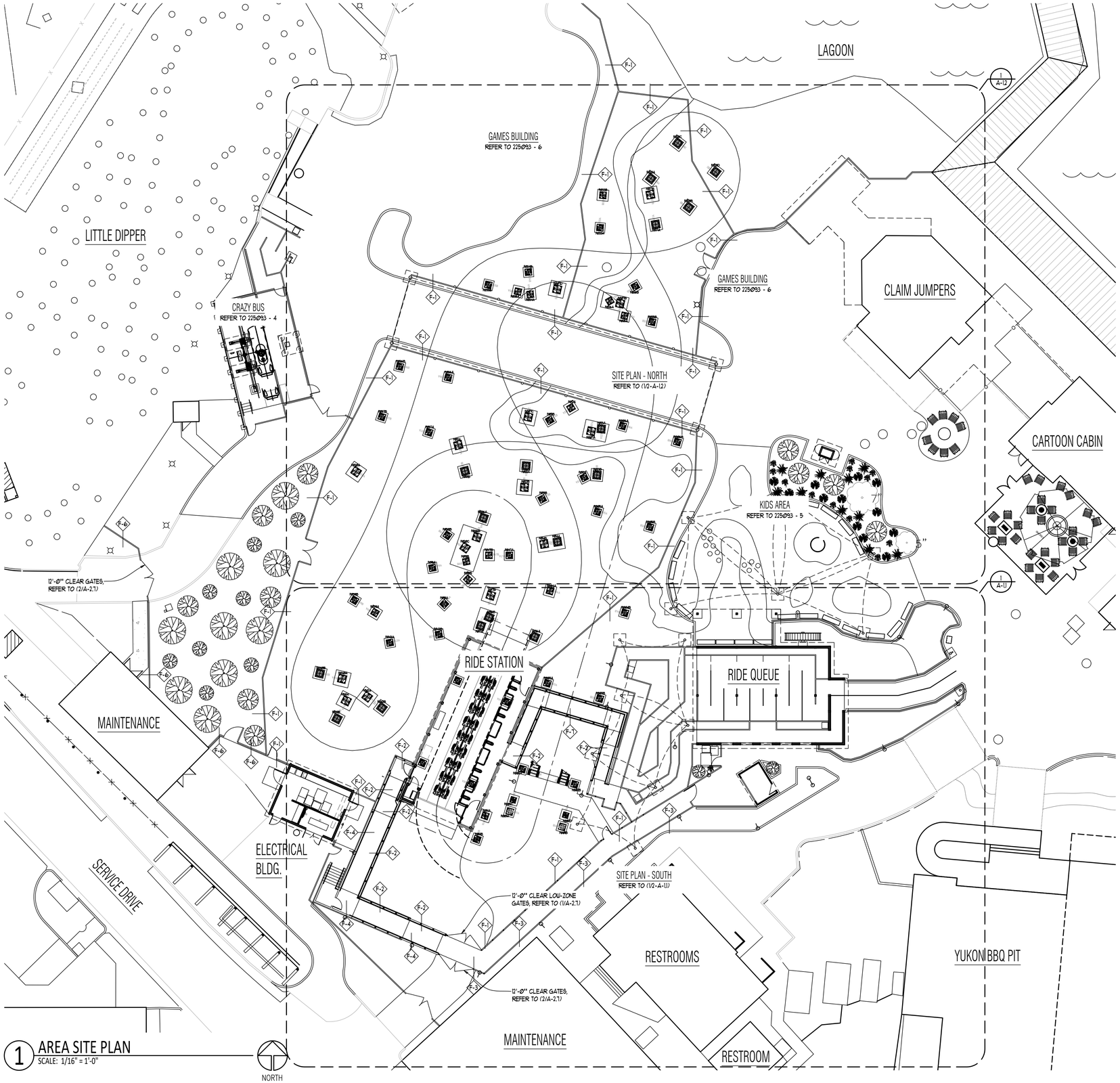
SFGM - COASTER 2021

SHEET NO.
2-A-0.5

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROSS STANLEY LUSK
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

#225093-2



1 AREA SITE PLAN
SCALE: 1/16" = 1'-0"

SITE PLAN LEGEND

- F-1 — 6'-8" LOU-ZONE WOOD FENCE, REFER TO (1/A-2.5)
- F-2 — 9'-8" LOU-ZONE WOOD BARRIER AT RAMP, REFER TO (2/A-2.5)
- F-3 — 4'-Ø" WOOD FENCE, REFER TO (3/A-2.5)
- F-4 — 4'-Ø" WOOD BARRIER AT RAMP, REFER TO (4/A-2.5)
- F-5 — 3'-6" METAL QUEUE RAIL, REFER TO (1/A-2.6)
- F-6 — SCREEN FENCE, REFER TO (2/A-2.6)
- F-7 — WOOD BARRIER AT RAMP WITH NET COVERING, REFER TO (3/A-2.6)
- LIGHT POLE, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION

NOTE:
ELEV 100'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

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Six Flags Entertainment Corporation

AREA SITE PLAN

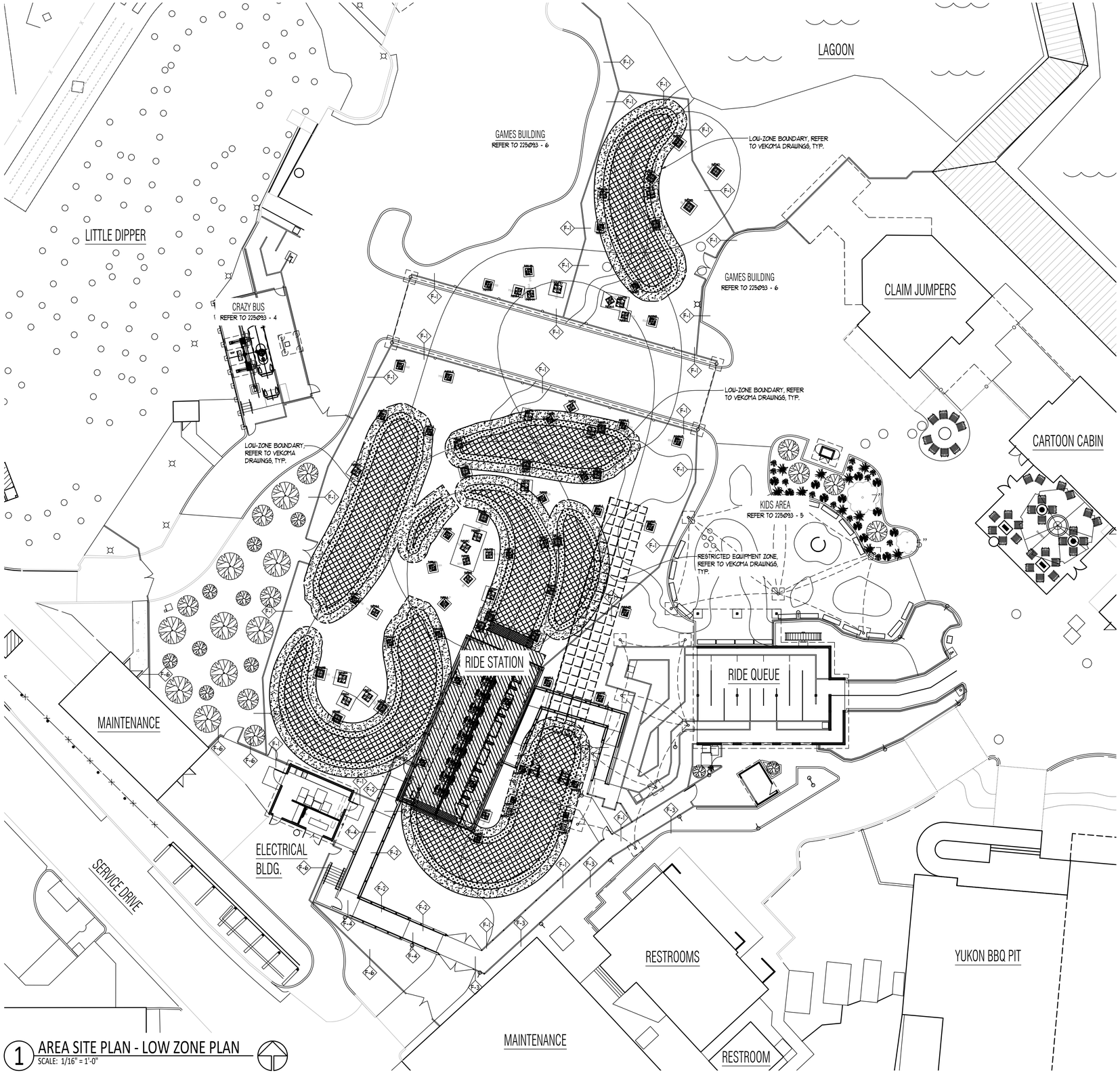
SFGM - COASTER 2027

SHEET NO.
2-A-1.0

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STEVEN LARSON
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184.0418

#225093-2



1 AREA SITE PLAN - LOW ZONE PLAN
SCALE: 1/16" = 1'-0"

SITE PLAN LEGEND

- F-1 — 6'-8" LOW-ZONE WOOD FENCE, REFER TO (1/A-25)
- F-2 — 9'-8" LOW-ZONE WOOD BARRIER AT RAMP, REFER TO (2/A-25)
- F-3 — 4'-0" WOOD FENCE, REFER TO (3/A-25)
- F-4 — 4'-0" WOOD BARRIER AT RAMP, REFER TO (4/A-25)
- F-5 — 3'-6" METAL QUEUE RAIL, REFER TO (1/A-26)
- F-6 — SCREEN FENCE, REFER TO (2/A-26)
- F-7 — WOOD BARRIER AT RAMP WITH NET COVERING, REFER TO (3/A-26)
- LIGHT POLE, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION

NOTE:
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REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

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DRAWN BJK
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LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROSS E. LEVENHAGEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

AREA SITE PLAN - LOW ZONE PLAN

SFGM - COASTER 2027

SHEET NO.
2-A-1.0a

#225093-2

MATCH LINE

ENLARGED SITE PLAN - NORTH (1/A-1.2)

(2) 6'-8" HEIGHT, 4'-0" CLEAR WIDTH GATE WITH LOCK OUT AND 'STAFF ONLY' SIGNAGE, REFER TO (3/A-2.1), SIMILAR

RIDE CENTERLINE, REFER TO VEKOMA DRAWINGS, TYPICAL

RIDE COLUMNS, REFER TO VEKOMA DRAWINGS, TYPICAL

CONCRETE RIDE FOUNDATIONS, REFER TO MEG FOUNDATION PACKAGE, TYPICAL

LOW-ZONE FENCE PERIMETER, REFER TO (4/A-2.6), TYPICAL AT RIDE STATION

6'-8" HEIGHT, 3'-0" CLEAR WIDTH GATE WITH LOCK OUT AND 'STAFF ONLY' SIGNAGE, REFER TO (3/A-2.1)

LANDSCAPING

ELEVATED P.T. WOOD FRAMED LANDING

HOSE BIB, REFER TO PLUMBING DRAWINGS, TYP.

RIDE ELECTRIC

RIDE STATION

3'-0" CLEAR SCREEN FENCE GATE, 8'-0" HEIGHT, REFER TO (2/A-2.8)

ELEVATED P.T. FRAMED LANDING AND STAIRS

3'-0" CLEAR GATE WITH CLOSER AND 'STAFF ONLY' SIGNAGE, 4'-0" HEIGHT, REFER TO (4/A-2.1), SIMILAR

SLOPE DOWN 1:8

COMPACTED GRAVEL FILL, REFER TO CIVIL DRAWINGS, TYP.

NOTE:

REFER TO SHEET A-6.1 FOR ENLARGED RAMP DETAILS, TYPICAL

12'-0" CLEAR LOW-ZONE GATES WITH LOCKOUT, 9'-8" HEIGHT, REFER TO (1/A-2.1)

RAMP CONSTRUCTION, REFER TO A-6.1 FOR MORE INFORMATION, TYPICAL OF HATCH

12'-0" CLEAR FENCE GATES, 4'-0" HEIGHT, REFER TO (2/A-2.1)

12'-0" CLEAR SCREEN FENCE GATES, 8'-0" HEIGHT, REFER TO (1/A-2.8)

CONCRETE WALK ON GRADE, REFER TO CIVIL DRAWINGS, TYPICAL

LINE OF HYPAIR SAILS ABOVE, BY OWNER

SLOPE UP 1:8

TYP. U.N.O.

RIDE EGRESS STAIRS, BY VEKOMA

RIDE QUEUE

REGULAR LANE ENTRY

FAST LANE ENTRY

RIDE EXIT

RIDE PHOTO

KIDS AREA

REFER TO 225093 - 5

SCENIC TURF SURFACE BY OWNER, REFER TO KIDS AREA AND MIDWAY PACKAGE 225093-5 FOR MORE INFORMATION

TEST SEAT, BY VEKOMA

P.T. WOOD POST AND CONCRETE FOUNDATION FOR RIDE SIGNAGE, REFER TO STRUCTURAL DRAWINGS

UP-LIGHT AT BASE OF RIDE SIGNAGE, REFER TO ELECTRICAL DRAWINGS, TYP.

FAST LANE WAIT TIMES EQUIPMENT, BY OWNER

YUKON BBQ PIT

3'-0" CLEAR MAG LOCK GATE WITH CLOSER AND 'EXIT ONLY' SIGNAGE, 6'-8" HEIGHT, REFER TO (3/A-2.1).

6" CONCRETE CURB, REFER TO CIVIL DRAWINGS, TYPICAL

EXISTING CONCRETE CURB

CONCRETE WALK ON GRADE, REFER TO CIVIL DRAWINGS, TYPICAL

RESTROOMS

STAFF RESTROOM

MAINTENANCE

SITE PLAN LEGEND

- F-1 — 6'-8" LOW-ZONE WOOD FENCE, REFER TO (1/A-2.5)
- F-2 — 9'-8" LOW-ZONE WOOD BARRIER AT RAMP, REFER TO (2/A-2.5)
- F-3 — 4'-0" WOOD FENCE, REFER TO (3/A-2.5)
- F-4 — 4'-0" WOOD BARRIER AT RAMP, REFER TO (4/A-2.5)
- F-5 — 3'-6" METAL QUEUE RAIL, REFER TO (1/A-2.6)
- F-6 — SCREEN FENCE, REFER TO (2/A-2.6)
- F-7 — WOOD BARRIER AT RAMP WITH NET COVERING, REFER TO (3/A-2.6)
- LIGHT POLE, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION

QUEUE CALCULATIONS

FAST LANE -	630 SF / 5 SF PER PERSON =	126 PEOPLE / 6.92 PPH = 18.33 MINUTES
REGULAR LANE -	1,912 SF / 5 SF PER PERSON =	383 PEOPLE / 6.92 PPH = 33.20 MINUTES
COMBINED QUEUE -	368 SF / 5 SF PER PERSON =	74 PEOPLE / 6.92 PPH = 6.43 MINUTES
RIDE STATION -		40 PEOPLE / 6.92 PPH = 3.46 MINUTES
TOTAL -		623 PEOPLE / 6.92 PPH = 54.02 MINUTES

NOTE:
ELEV 100'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY LUCAS
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

1 ENLARGED SITE PLAN - SOUTH
SCALE: 1/8" = 1'-0"

NORTH

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9950 PHONE
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www.rslarch.com

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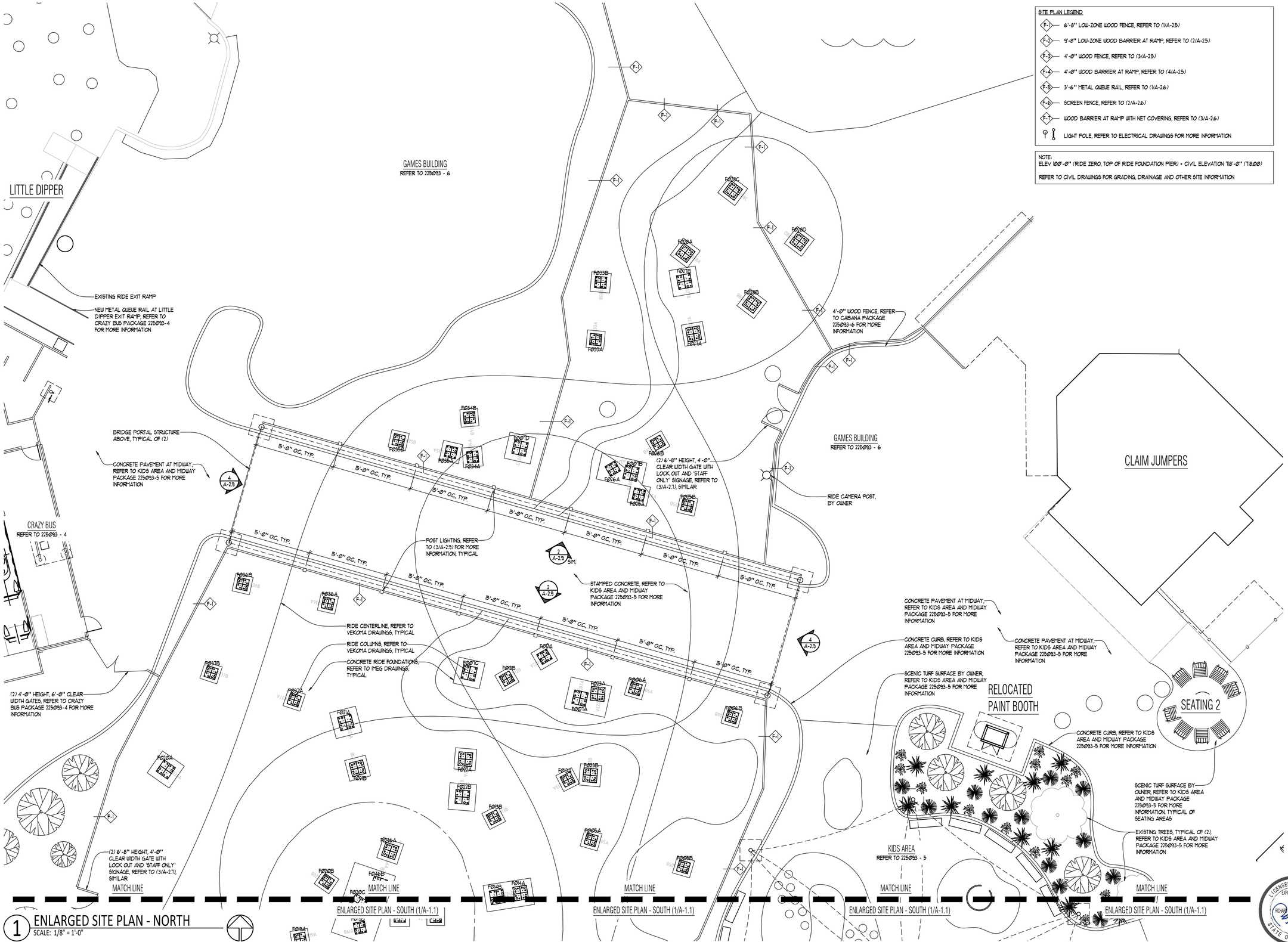
ENLARGED SITE PLAN - SOUTH

SFGM - COASTER 2027

SHEET NO.
2-A-1.1

#225093-2



SITE PLAN LEGEND

- F-1 — 6'-8" LOW-ZONE WOOD FENCE, REFER TO (1/A-2.5)
- F-2 — 9'-8" LOW-ZONE WOOD BARRIER AT RAMP, REFER TO (2/A-2.5)
- F-3 — 4'-0" WOOD FENCE, REFER TO (3/A-2.5)
- F-4 — 4'-0" WOOD BARRIER AT RAMP, REFER TO (4/A-2.5)
- F-5 — 3'-6" METAL QUEUE RAIL, REFER TO (1/A-2.6)
- F-6 — SCREEN FENCE, REFER TO (2/A-2.6)
- F-7 — WOOD BARRIER AT RAMP WITH NET COVERING, REFER TO (3/A-2.6)
- LIGHT POLE, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION

NOTE:
ELEV 100'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

1 ENLARGED SITE PLAN - NORTH
SCALE: 1/8" = 1'-0"

NORTH

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

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Cincinnati, OH 45236
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513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ENLARGED SITE PLAN - NORTH

SFGM - COASTER 2027

SHEET NO.
2-A-1.2

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STAN ROSKOPF
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004118

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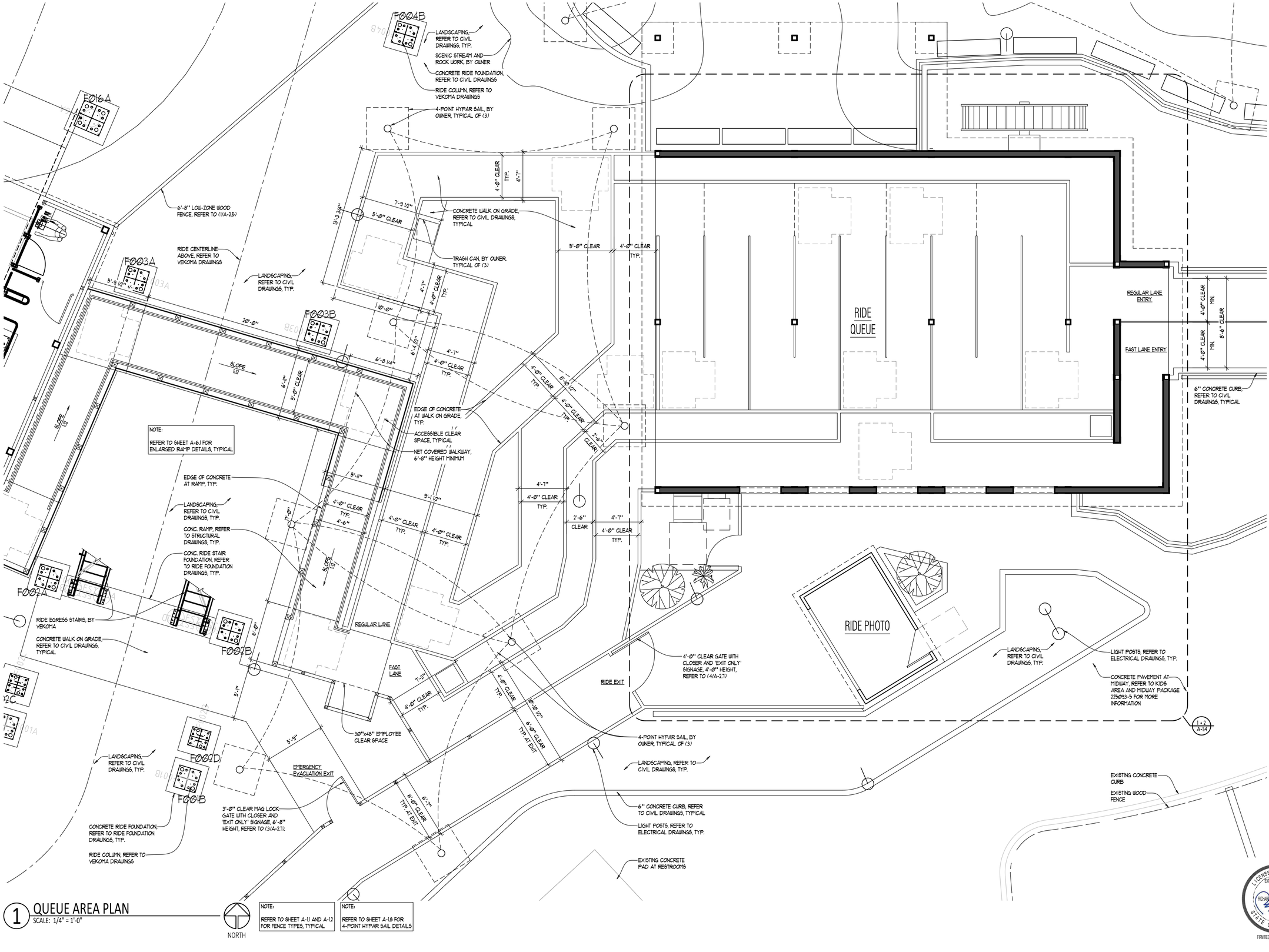

1 QUEUE AREA PLAN
SCALE: 1/4" = 1'-0"

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
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Cincinnati, OH 45236
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513-891-9951 FAX
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QUEUE AREA PLAN

SFGM - COASTER 2021

SHEET NO.
2-A-1.3

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
RONALD S. LANGFORD
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
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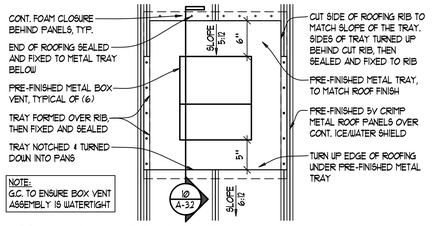
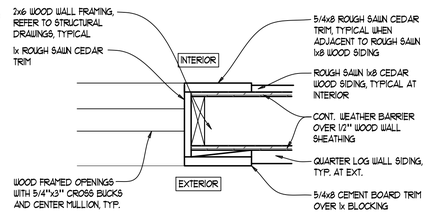
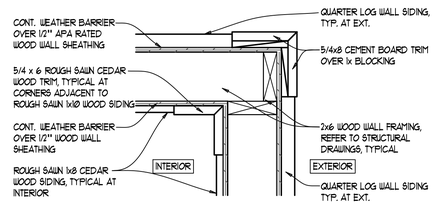


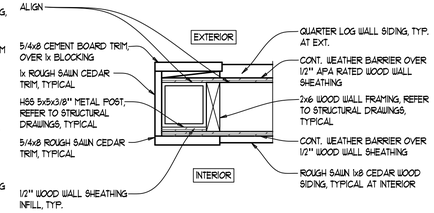
7 PLAN at BOX VENT
SCALE: 1" = 1'-0"



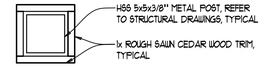
6 PLAN at WINDOW
SCALE: 1 1/2" = 1'-0"



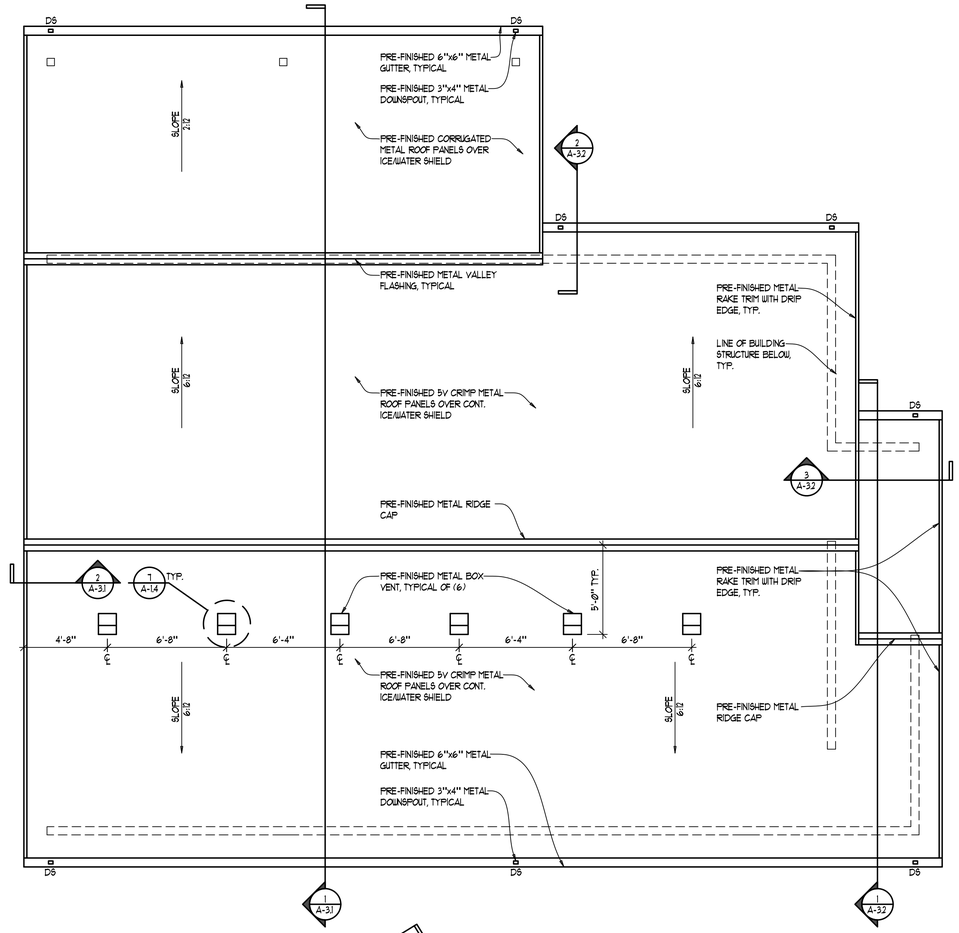
5 PLAN at CORNER
SCALE: 1 1/2" = 1'-0"



4 PLAN at EDGE
SCALE: 1 1/2" = 1'-0"

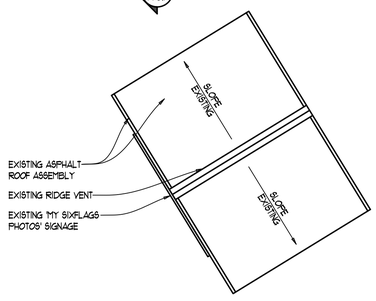


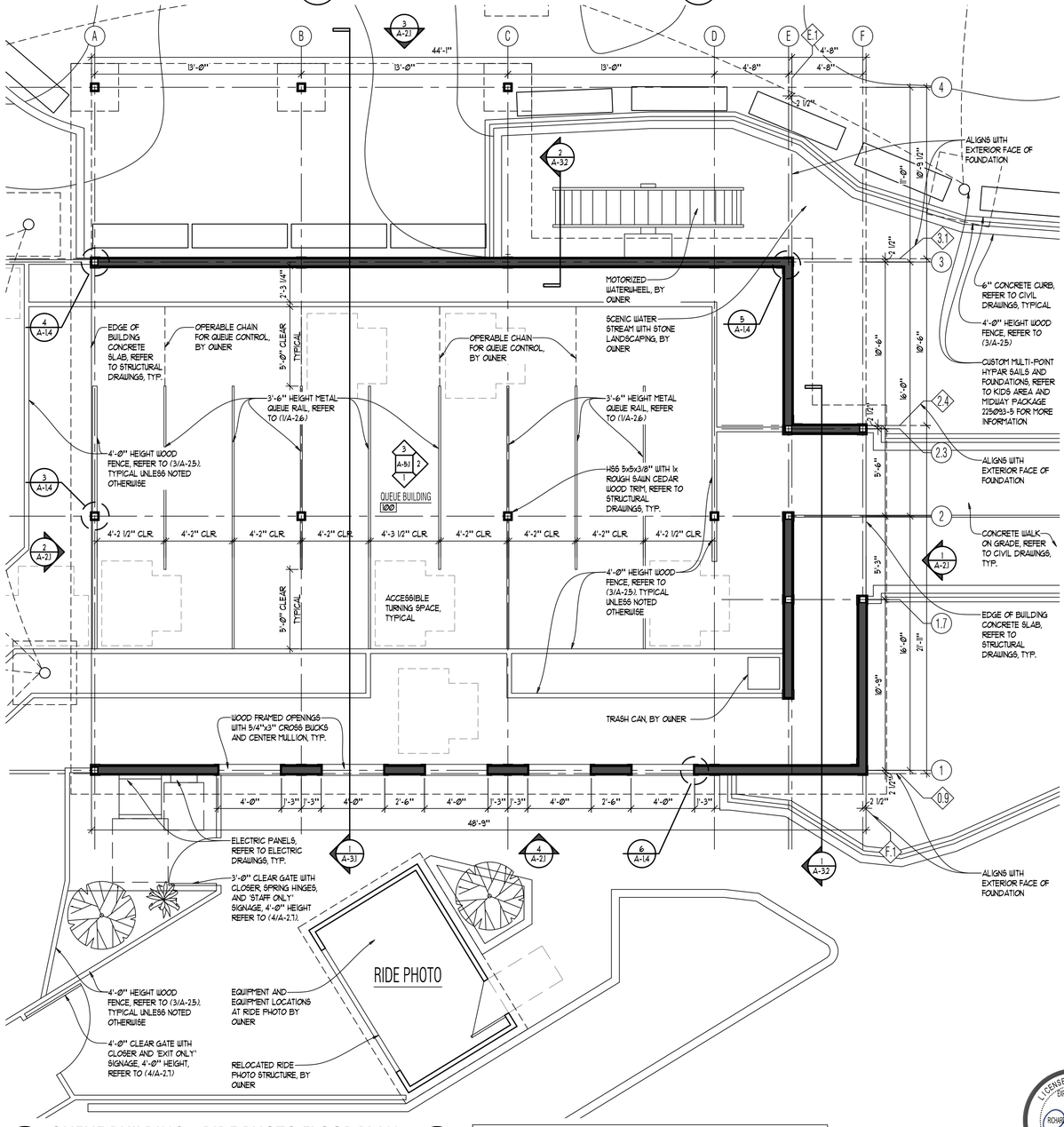
3 PLAN at COLUMN
SCALE: 1 1/2" = 1'-0"



2 QUEUE BUILDING + RIDE PHOTO ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH





1 QUEUE BUILDING + RIDE PHOTO FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

NOTE:
ELEV Ø0'-Ø" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 718'-Ø" (718.00)

QUEUE BUILDING FINISHED FLOOR ELEVATION = Ø0'-6" = CIVIL ELEVATION 718.50
REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

QUEUE BUILDING + RIDE PHOTO - FLOOR PLAN, ROOF PLAN, AND PLAN DETAILS

SFGM - COASTER 2021

SHEET NO.
2-A-1.4

LICENSED ARCHITECT
EXPIRATION DATE 11-30-26
RICHARD STANLEY WORK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004118

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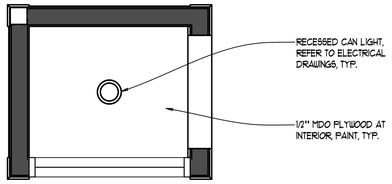
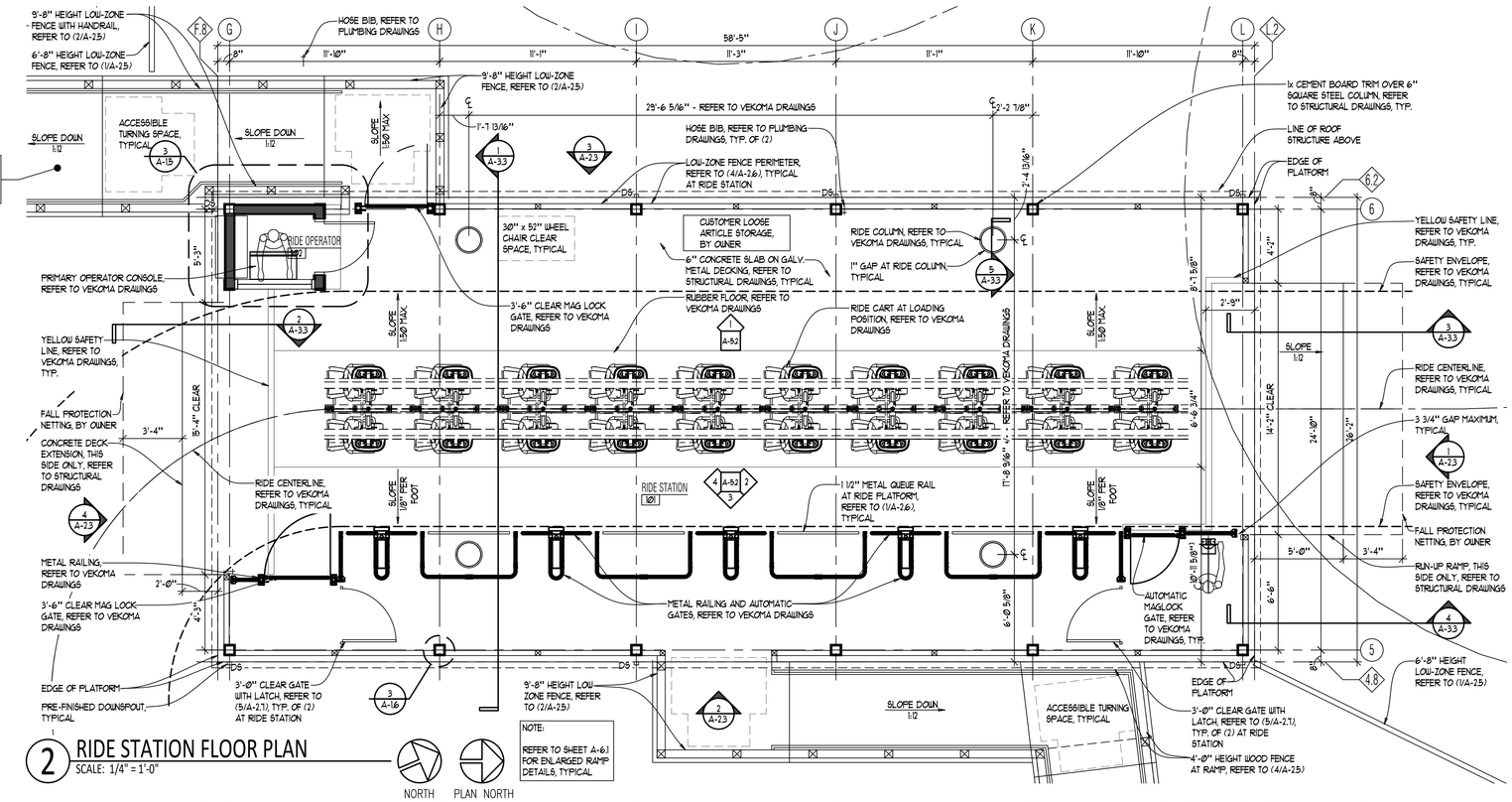
#225093-2

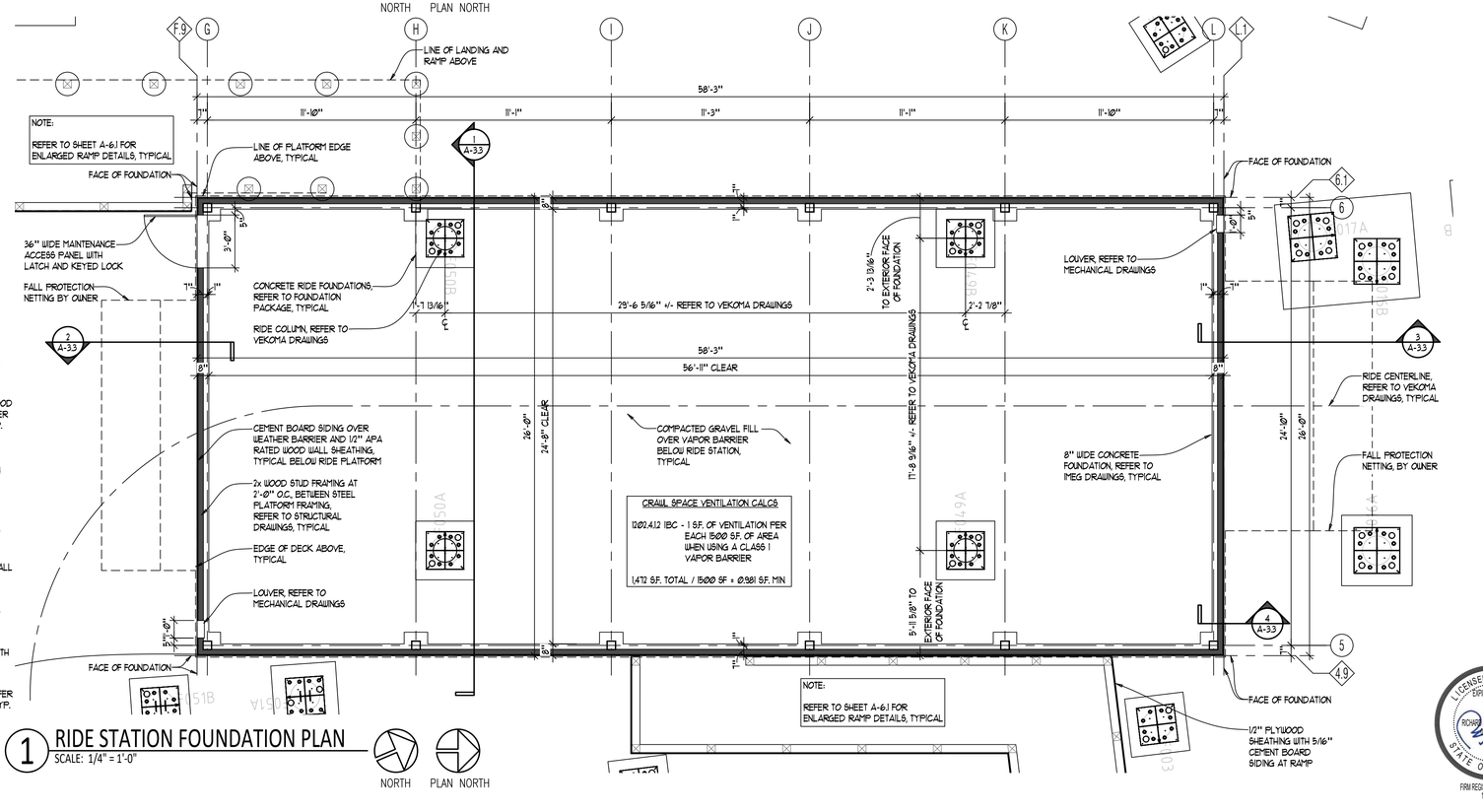


4 REFLECTED CEILING PLAN at RIDE OPERATOR
SCALE: 1/2" = 1'-0"



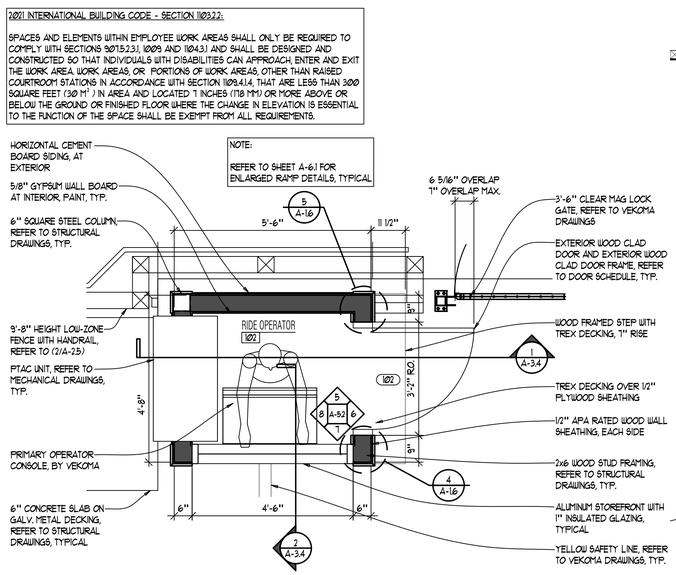
2 RIDE STATION FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH



1 RIDE STATION FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH



3 ENLARGED PLAN at RIDE OPERATOR
SCALE: 1/2" = 1'-0"

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SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

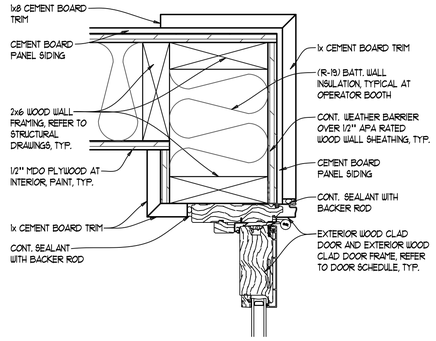
RIDE STATION - FOUNDATION AND FLOOR PLAN

SFGM - COASTER 2027

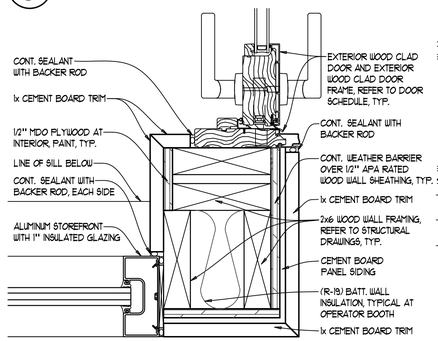
SHEET NO.
2-A-1.5

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROBERT STAUFFER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004115

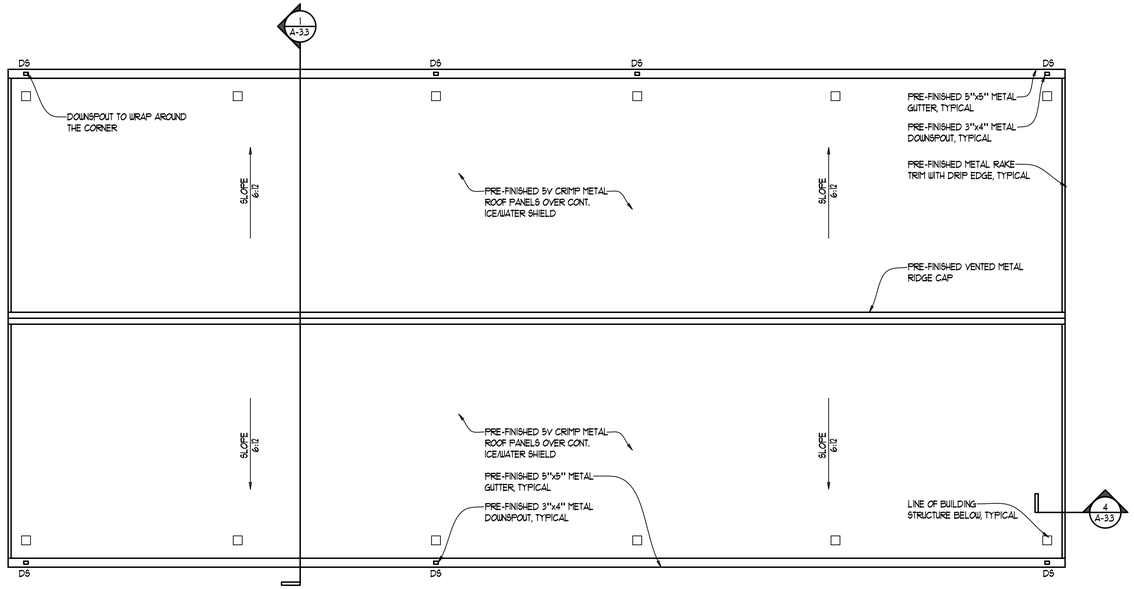
#225093-2



5 PLAN at DOOR FRAME
SCALE: 3" = 1'-0"

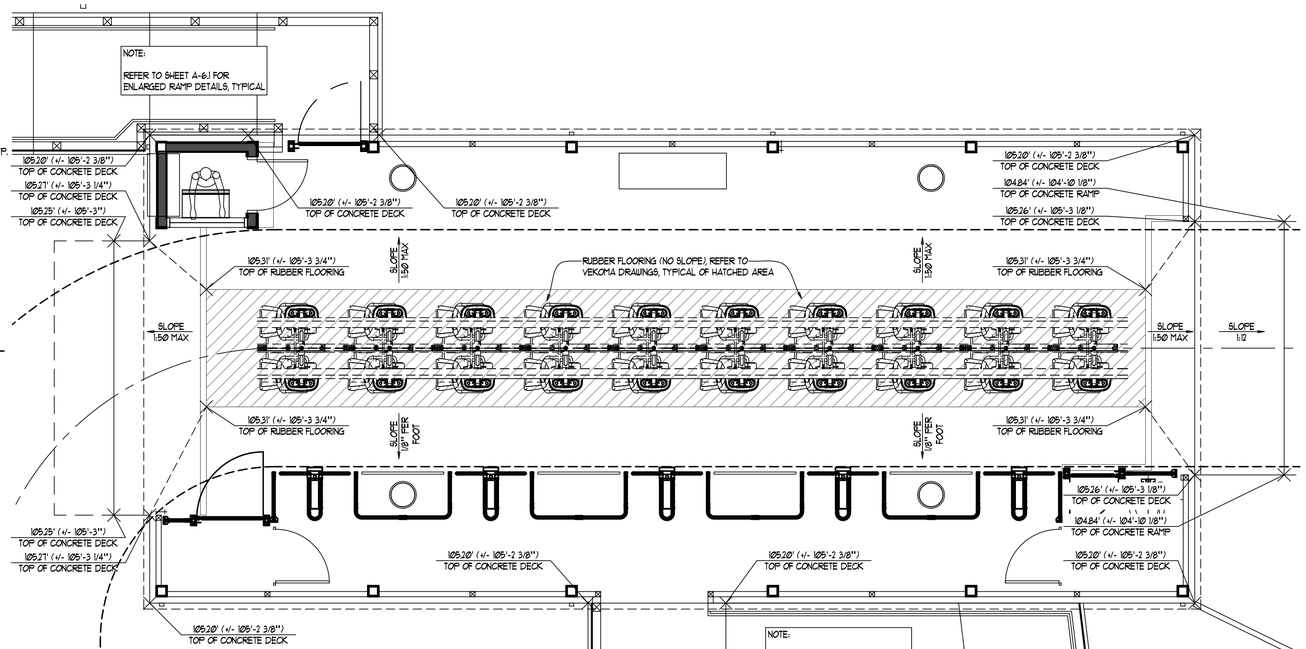


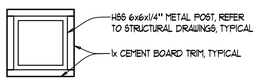
4 PLAN at STOREFRONT AND DOOR FRAME
SCALE: 3" = 1'-0"



2 RIDE STATION ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH





3 PLAN at COLUMN
SCALE: 1 1/2" = 1'-0"

1 RIDE STATION SLOPE PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH

NOTE:
ELEV Ø0'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 718'-0" (718.Ø0)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS STANLEY LOWE
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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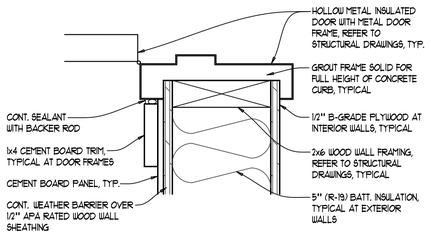
Six Flags
Entertainment Corporation

RIDE STATION - SLOPE PLAN, ROOF PLAN, AND PLAN DETAILS

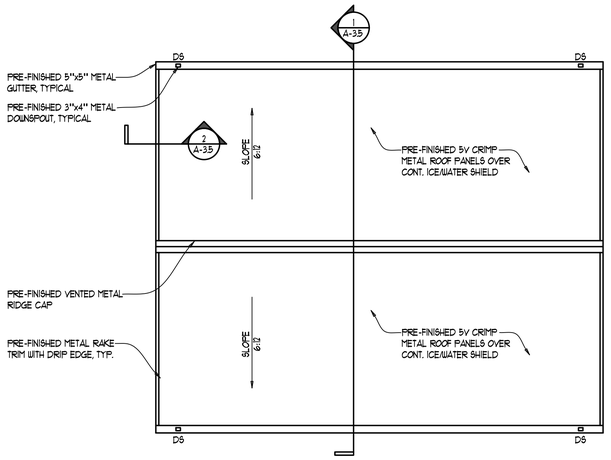
SFGM - COASTER 2017

SHEET NO.
2-A-1.6

#125093-2

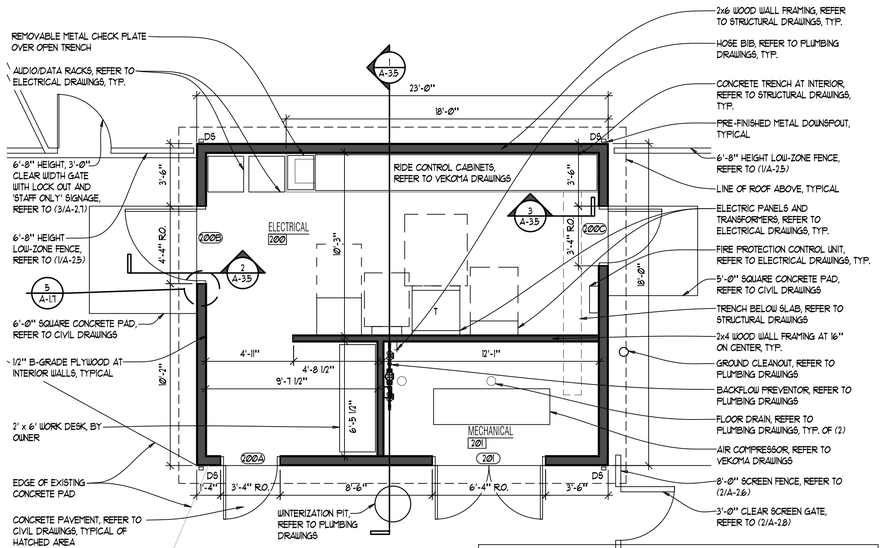


5 PLAN at DOOR JAMB
SCALE: 3" = 1'-0"



4 ELECTRIC BUILDING ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH



3 ELECTRIC BUILDING FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH

NOTE:
ELEV Ø0'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

ELECTRIC BUILDING FINISHED FLOOR ELEVATION = 98'-6" = CIVIL ELEVATION 116.50
REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

CLEAN AGENT FIRE SUPPRESSION SYSTEM GENERAL NOTES:

CLEAN AGENT FIRE SUPPRESSION ONLY APPLIES TO ELECTRICAL ROOM "Ø0"

GENERAL CONSTRUCTION
THE FINAL ACCEPTANCE TESTING OF A GASEOUS FIRE SUPPRESSION SYSTEM REQUIRES A ROOM PRESSURIZATION TEST (DOOR FAN TEST). THIS REQUIRES THE PROTECTED AREA TO BE SEALED DURING THE CONSTRUCTION PHASE. THROUGH A PAST HISTORY, WE HAVE FOUND THE FOLLOWING AREAS TO BE THE MOST COMMON REASONS FOR FAILURE. PLEASE REVIEW THE FOLLOWING INFORMATION PRIOR TO REQUESTING A DOOR FAN TEST.

GENERAL SEALING INFORMATION
THE DRYWALL OF THE PERIMETER WALLS SHOULD BE EXTENDED FROM FLOOR SLAB TO CEILING SLAB. ALL SEAMS SHOULD BE TAPED FROM THE FLOOR TO THE CEILING INSIDE AND OUTSIDE OF THE ROOM. FLOOR AND CEILING JOINTS SHOULD BE CAULKED INSIDE AND OUTSIDE OF THE ROOM TO STOP LEAKAGE THROUGH THE OUTLETS AND WALL SWITCHES. THE PROTECTED AREA SHOULD BE AS CLOSE TO AIRTIGHT AS POSSIBLE. IF THESE SEALING REQUIREMENTS ARE NOT MET, A TEST FAILURE COULD OCCUR.

ANY HVAC DUCTWORK THAT PENETRATES THE PERIMETER OF THE GASEOUS FIRE SUPPRESSION SYSTEM PROTECTED AREA SHOULD BE EQUIPPED WITH A ZERO AIRFLOW DAMPER. DAMPER AND AIR-CONDITIONING UNITS SHOULD BE INTERCONNECTED TO THE FIRE SUPPRESSION CONTROL PANEL FOR SHUTDOWN.

LEAK LOCATION CHECK LIST
SUBFLOOR LEAKS
- FLOOR DRAINS
- UNSEALED HOLES CORED THROUGH THE FLOOR SLAB
- HOLES AROUND CONDENSATE DRAIN PIPES OR CHILLER LINES GOING THROUGH THE SLAB OR WALLS
- CABLES GOING THROUGH THE FLOOR SLAB.
- WALL/FLOOR SLAB JOINTS AT THE BASE OF THE WALL (CAULK UNDER BASE RAIL IS PREFERRED)
- CONDUITS, PIPES, CABLES AND WIRES GOING THROUGH THE RAISE FLOOR WALLS

ROOM LEAKS
- DOOR FRAMES AND DRYWALL
- DOOR TOPS, BOTTOMS, AND SIDES (DOOR SWEEPS AND WEATHER STRIPPING)
- AROUND AND THROUGH CONDUITS
- BEHIND PLYWOOD FASTENING WALL IN TELEPHONE ROOMS
- "PASS THROUGH" MAIL, DOOR, AND PIGEONHOLES

ABOVE CEILING
- UNSEALED HOLES CORED THROUGH THE CEILING
- AROUND DUCTS (ESPECIALLY ON THE TOP SIDE)
- WALL/CEILING SLAB JOINTS AT THE TOP OF THE WALL (CAULK AT THE TOP RAIL IS PREFERRED)
- CONDUITS, PIPE CABLES AND WIRES GOING FROM ONE ROOM TO THE NEXT
- AROUND COLUMNS AND BEAMS

DOOR SCHEDULE

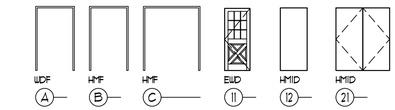
NO.	ROOM NAME	DOOR SIZE	MAT'L	TYPE	FRAME	HARDWARE	RMK'S
102	RIDE OPERATOR	3'-0" x 7'-0" x 1 3/4"	WDF	11	A	HI, CRL, ML, CL, T, W	a
200a	ELECTRICAL	3'-0" x 7'-0" x 1 3/4"	HMD	12	B	HI, PHR, CL, T, W	a
200b	ELECTRICAL	4'-0" x 8'-0" x 1 3/4"	HMD	12	B	HI, PHR, CL, T, W	a
200c	ELECTRICAL	3'-0" x 7'-0" x 1 3/4"	HMD	12	B	HI, PHR, CL, T, W	a
201	MECHANICAL	(2) 3'-0" x 8'-0" x 1 3/4"	HMD	21	C	HI, SL, DT, FB, CL, T, W	a

DOOR SCHEDULE LEGEND

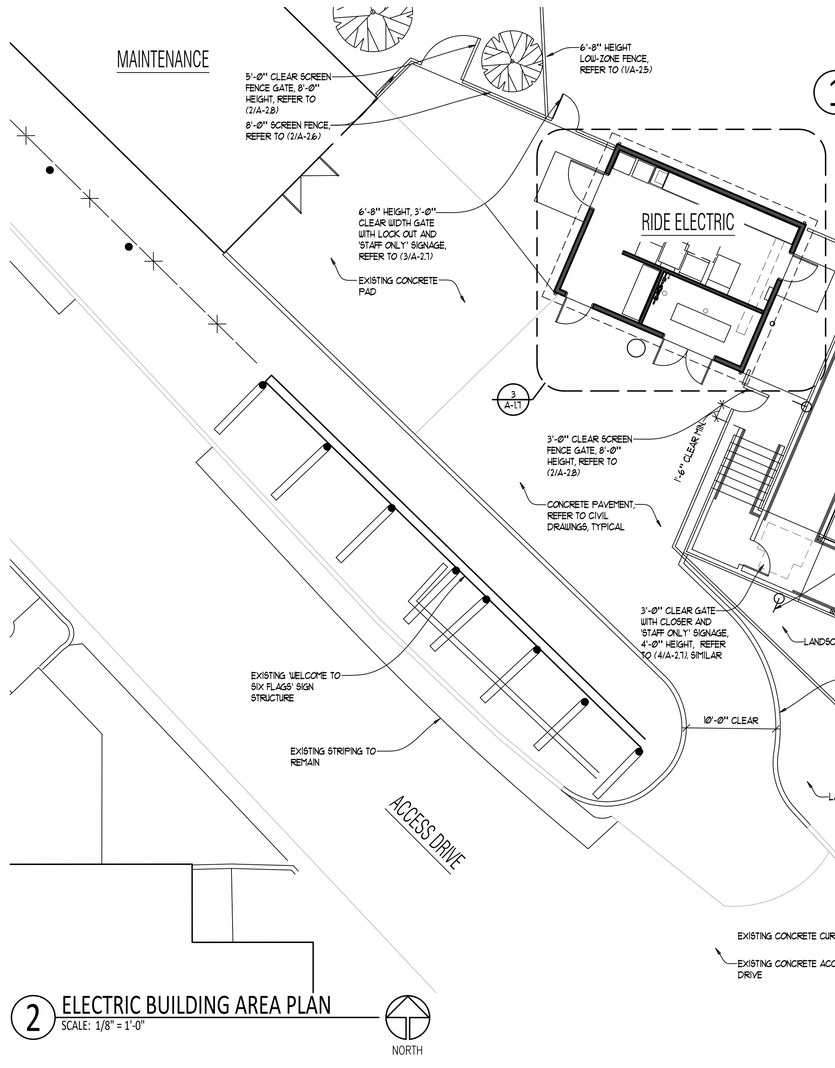
CL - CLOSER (EACH LEAF OF PAIRED DOORS U.N.O.)
CRL - CLASSROOM LOCKSET - CYLINDRICAL TYPE WITH HANDICAPPED ACCESSIBLE LEVER TRIM
DT - DUMMY TRIM
EWD - EXTERIOR WOOD DOOR - SIMPSON 7Ø35 THERMAL SASH
FB - FLUSH BOLTS (INACTIVE LEAF)
HI - HINGES
HMF - HOLLOW METAL FRAME, WELDED TYPE
HMD - HOLLOW METAL INSULATED DOOR
ML - MAGLOCK BY OWNER, CONNECT TO RIDE CONTROL FOR "LOCK OUT" OPERATION
PHR - PANIC HARDWARE - RIM LATCH TYPE WITH HANDICAPPED ACCESSIBLE LEVER HANDLE AT EXTERIOR STOREROOM FUNCTION, DOOR LOCKED AND UNLOCKED BY KEY AT EXTERIOR
SL - STOREROOM LOCKSET - CYLINDRICAL TYPE WITH HANDICAPPED ACCESSIBLE LEVER TRIM
T - THRESHOLD A, FULL SADDLE TYPE. HANDICAP ACCESSIBLE
W - WEATHERSTRIPPING
WDF - WOOD CLAD DOOR FRAME - PAINT GRADE

NOTES:
1. REFER TO SPECIFICATIONS FOR DOORS, FRAMES, AND HARDWARE MATERIALS AND FINISHES, TYPICAL.
2. PROVIDE DOOR SILENCERS AT ALL DOORS WITH HOLLOW METAL FRAMES.

REMARKS:
a. DOOR MUST BE OPERABLE IN THE DIRECTION OF EGRESS AT ALL TIMES



1 DOOR AND FRAME TYPES
SCALE: 1/8" = 1'-0"



2 ELECTRIC BUILDING AREA PLAN
SCALE: 1/8" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE 11-30-18
ROGER STAUFFACHER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004116

	SCALE	VARIES
	DATE	06-05-2018
	DRAWN	BJK
	FILE	#225093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

DOOR SCHEDULE AND ELECTRIC BUILDING PLANS

SFGM - COASTER 2021

SHEET NO.
2-A-1.7

#225093-2

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2 QUEUE AREA SHADE ROOF PLAN

SCALE: 1/4" = 1'-0"

NORTH

1 QUEUE AREA SHADE PLAN

SCALE: 1/4" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS L. SLAVEN
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

QUEUE AREA SHADE PLANS

SFGM - COASTER 2017

SHEET NO.
2-A-1.8

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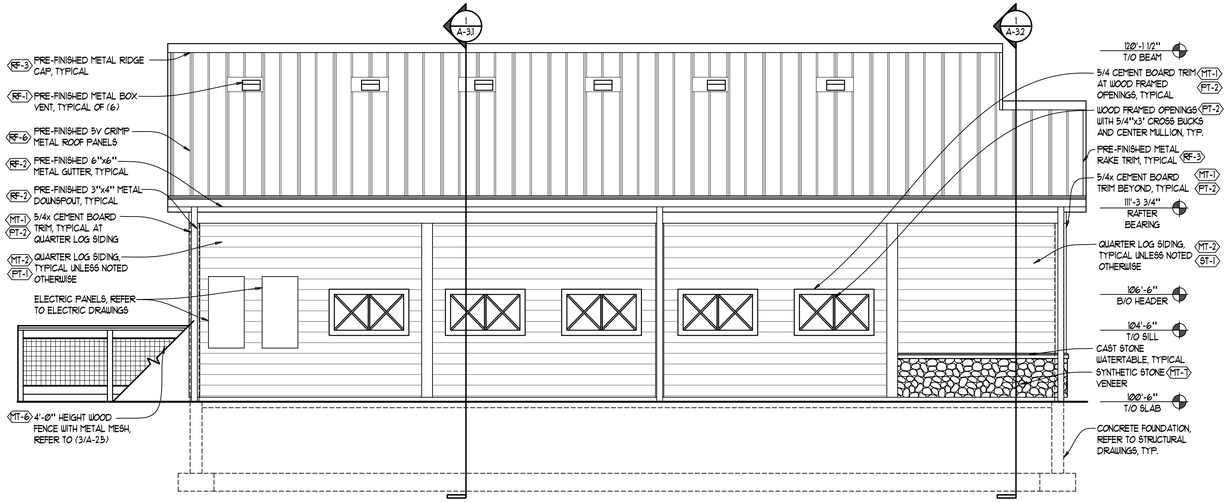
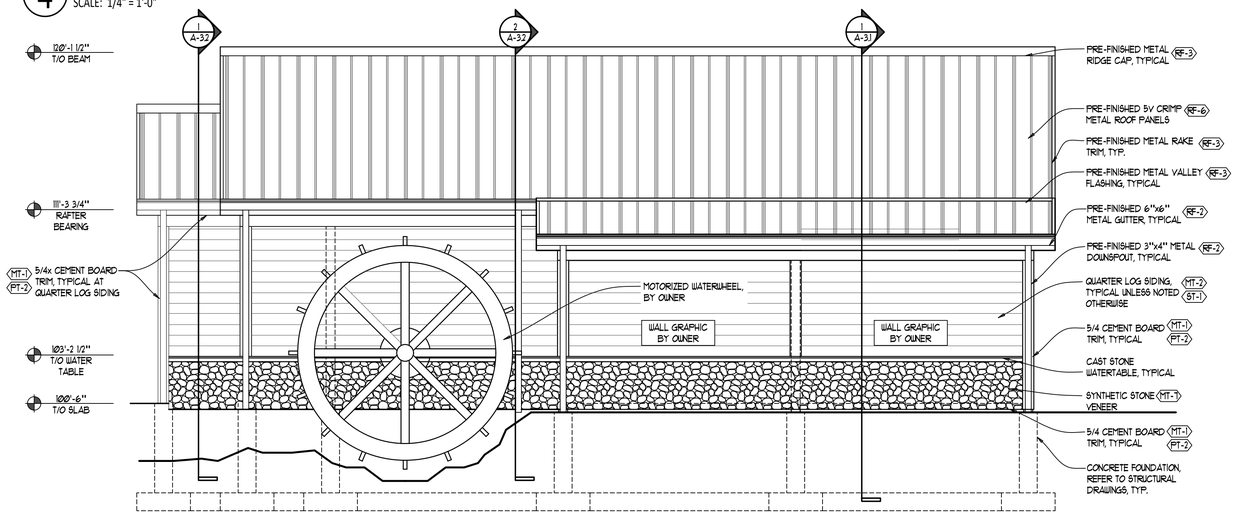
#125093-2



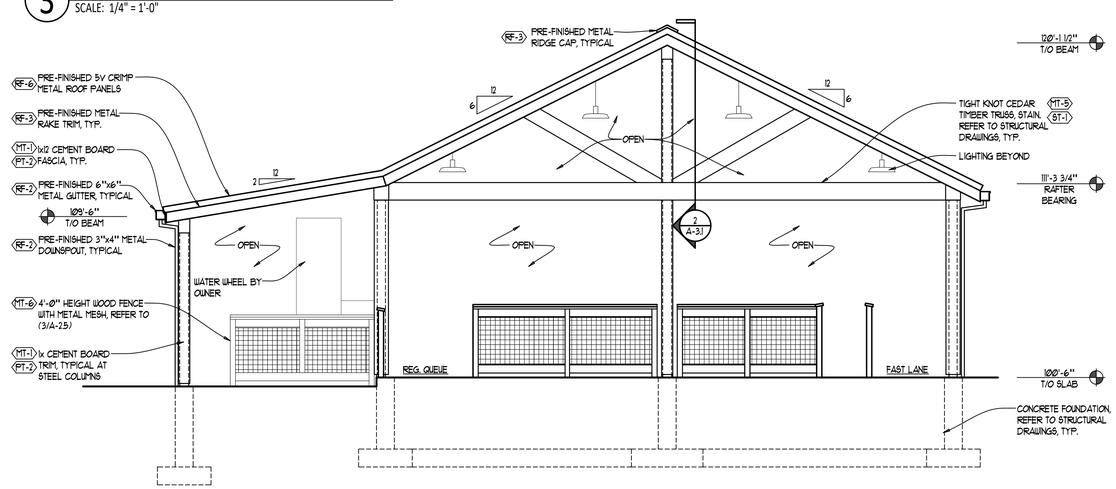
4 EXTERIOR ELEVATION - PLAN NORTH

SCALE: 1/4" = 1'-0"



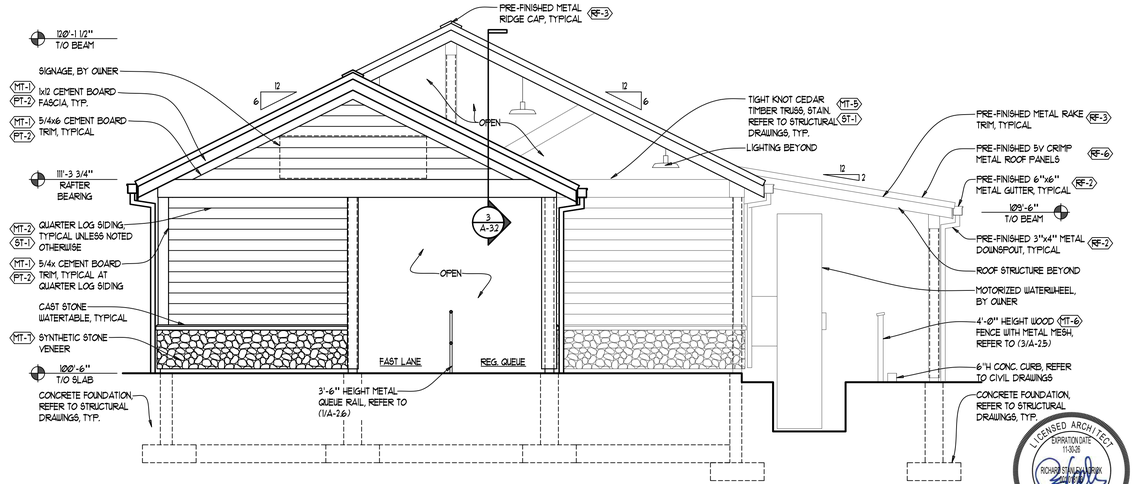
3 EXTERIOR ELEVATION - PLAN SOUTH

SCALE: 1/4" = 1'-0"



2 EXTERIOR ELEVATION - PLAN EAST

SCALE: 1/4" = 1'-0"



1 EXTERIOR ELEVATION - PLAN WEST

SCALE: 1/4" = 1'-0"

NOTE:
ELEV Ø0'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 718'-0" (718Ø0)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

	EXTERIOR SELECTION SCHEDULE - QUEUE STRUCTURE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
RF-1	BOX VENT	GAF	MASTER FLOW SSB960A	TO MATCH METAL ROOF		
RF-2	METAL GUTTER AND DOWNSPOUT	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-3	METAL TRIM / FLASHING / RIDGE CAP	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-6	CRIMP METAL ROOF PANEL	MBCI	5V CRIMP - NON-STRIATED	TBD		
MT-1	CEMENT BOARD TRIM	JAMES HARDIE	HARDIE TRIM: ROUGHSAWN	PRIMED FOR PAINT		
MT-2	QUARTER LOG SIDING	WOOD HAVEN OR EQUAL	8" QUARTER LOG CEDAR, TONGUE AND GROOVE	PRIMED FOR STAIN	TBD	
MT-5	OPEN TIMBER TRUSS	TBD	TBD	TIGHT KNOT CEDAR	STAIN ST-1	
MT-6	GALVANIZED WIRE MESH	EDWARD J. DARBY & SON INC.	GALVANIZED WIRE MESH - 1 1/2" x 1 1/2" MESH, 0.120" DIAMETER WIRE	GALVANIZED	INTERCRIMP/LOCK	
MT-7	SYNTHETIC STONE VENEER	BORAL OR EQUAL	RIVER ROCK	TBD		
PT-1	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6114	BAGEL	TO BE CONFIRMED	
PT-2	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0038	LIBRARY PEWTER	TO BE CONFIRMED	
ST-1	STAIN	TBD	TBD	TBD	TBD	

NOTE:

REFER TO SHEETS A-5.1 AND A-5.2 FOR INTERIOR ELEVATIONS AND INTERIOR FINISH INFORMATION, TYPICAL

SCALE VARIES
DATE 06-05-2016
DRAWN BJK
FILE *125093-2

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

QUEUE STRUCTURE EXTERIOR ELEVATIONS AND EXTERIOR SELECTION SCHEDULE

SFGM - COASTER 2021

SHEET NO.
2-A-2.1

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS STEVEN LOCK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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*125093-2

	EXTERIOR SELECTION SCHEDULE - RIDE STATION					
NO.	MATERIAL TYPE	MANUFACTURE	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
RF-2	METAL GUTTER AND DOWNSPOUT	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-3	METAL TRIM / FLASHING / RIDGE CAP	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-6	CRIMP METAL ROOF PANEL	MBCI	5V CRIMP - NON-STRIATED	TBD		
MT-1	CEMENT BOARD TRIM	JAMES HARDIE	HARDIE TRIM: ROUGHSAWN	PRIMED FOR PAINT		
MT-3	CEMENT BOARD BATTEN	JAMES HARDIE	HARDIE TRIM BATTEN BOARDS	PRIMED FOR PAINT		
MT-4	CEMENT BOARD PANEL	JAMES HARDIE	HARDIE PANEL: SELECT CEDARMILL	PRIMED FOR PAINT		
MT-5	OPEN TIMBER TRUSS	TBD	TBD	TIGHT KNOT CEDAR	STAIN ST-1	
MT-6	GALVANIZED WIRE MESH	EDWARD J. DARBY & SON INC.	GALVANIZED WIRE MESH - 1 1/2" x 1 1/2" MESH, 0.120" DIAMETER WIRE	GALVANIZED	INTERCRIMP/LOCK	
PT-3	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0045	ANTIQUARIAN BROWN		
PT-4	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6068	BREVITY BROWN		
ST-1	STAIN	SHERWIN WILLIAMS	TBD	TBD		

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
ROBERT SAMUEL LOUDER
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

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SCALE VARIES
DATE 06-05-2026
DRAWN BJK
FILE #125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

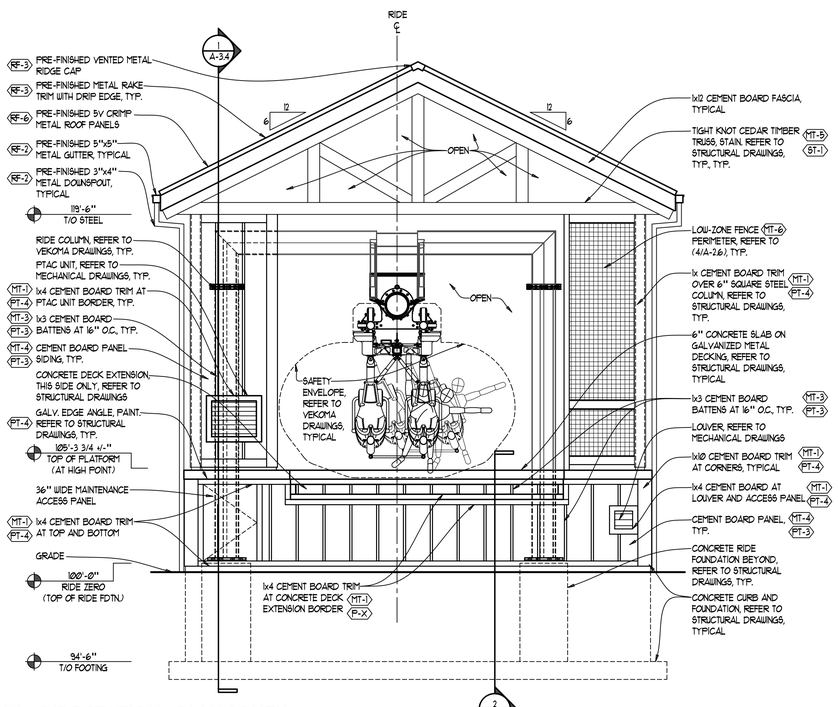
Six Flags Entertainment Corporation

RIDE STATION EXTERIOR SELECTION SCHEDULE

SFGM - COASTER 2027

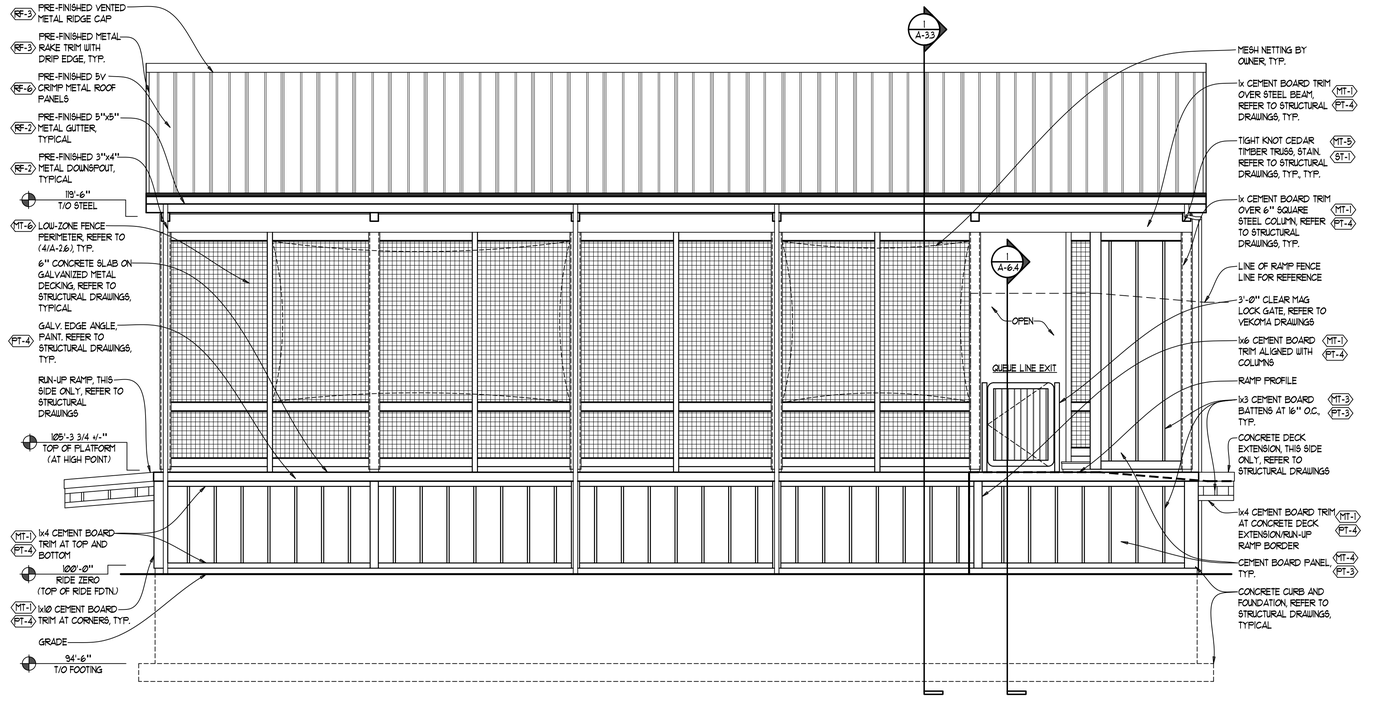
SHEET NO.
2-A-2.2

#125093-2



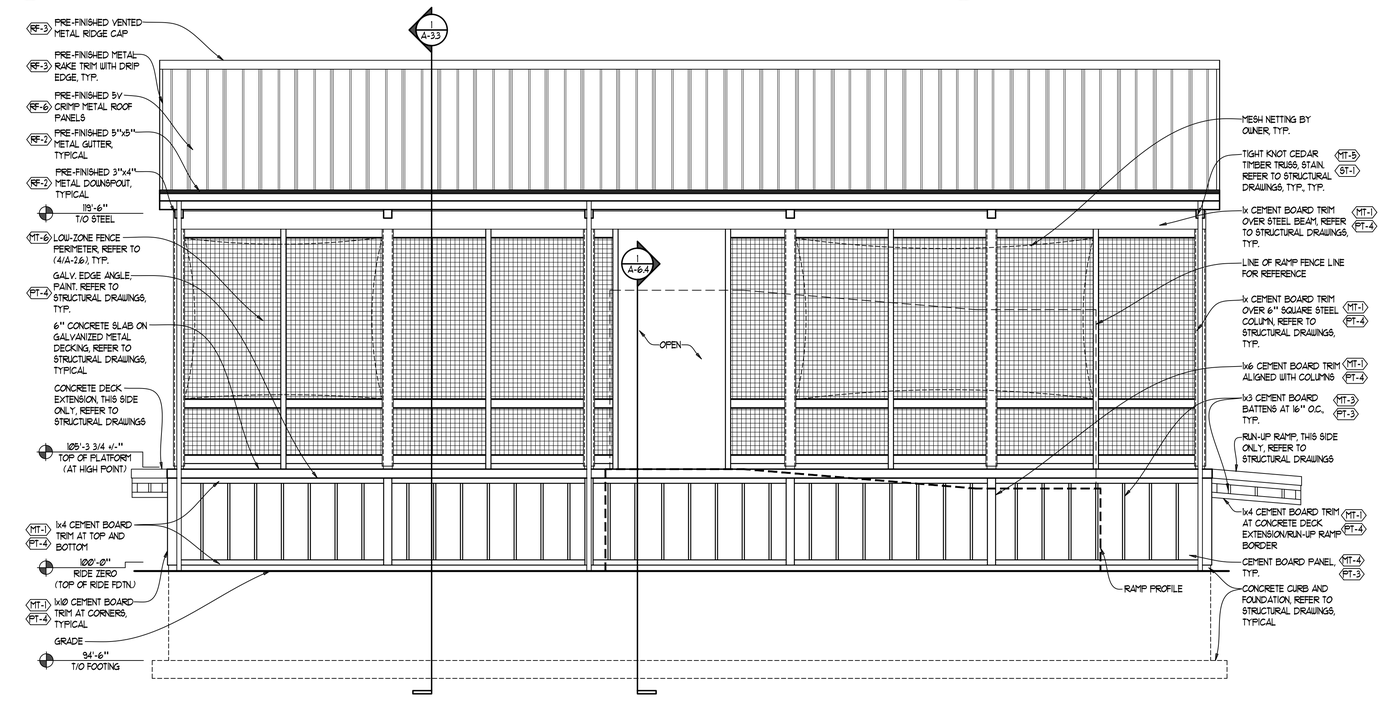
4 RIDE STATION - PLAN SOUTH

SCALE: 1/4" = 1'-0"



3 RIDE STATION - PLAN WEST

SCALE: 1/4" = 1'-0"



2 RIDE STATION - PLAN EAST

SCALE: 1/4" = 1'-0"

1 RIDE STATION - PLAN NORTH

SCALE: 1/4" = 1'-0"

NOTE:
ELEV 100'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE 11.30.21
RICHARD STANLEY LOVE
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004118

SCALE	VARIES
DATE	06-05-2020
DRAWN	BJK
FILE	#225033-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RIDE STATION EXTERIOR ELEVATIONS

SFGM - COASTER 2021

SHEET NO.
2-A-2.3

#225033-2

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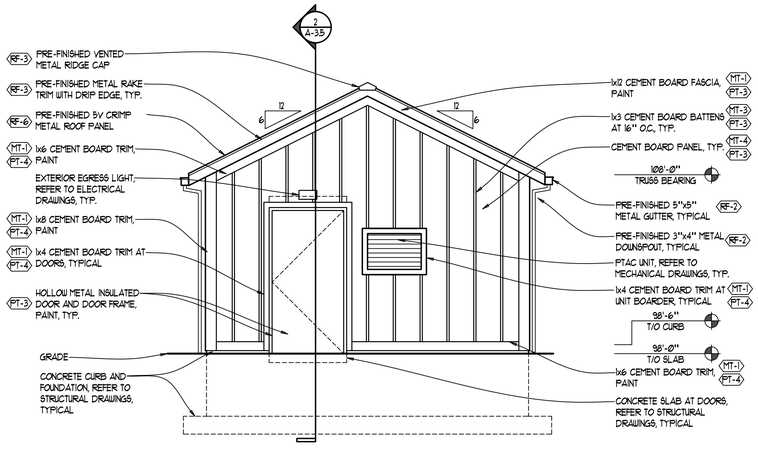
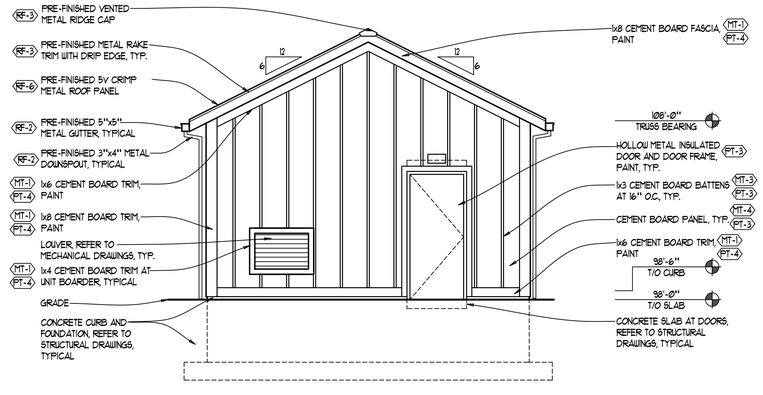
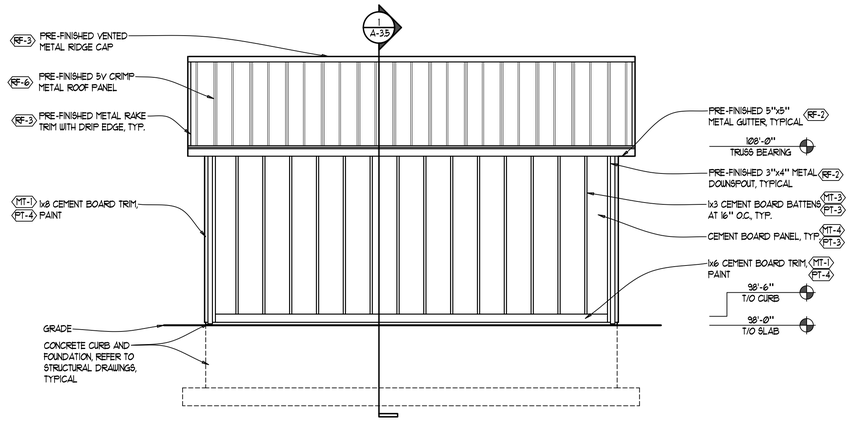
	EXTERIOR SELECTION SCHEDULE - ELECTRIC BUILDING					
NO.	MATERIAL TYPE	MANUFACTURE	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
RF-2	METAL GUTTER AND DOWNSPOUT	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-3	METAL TRIM / FLASHING / RIDGE CAP	MBCI	MATCH ROOF	TO MATCH METAL ROOF		
RF-6	CRIMP METAL ROOF PANEL	MBCI	5V CRIMP - NON-STRIATED	TBD		
MT-1	CEMENT BOARD TRIM	JAMES HARDIE	HARDIE TRIM: ROUGHSAWN	PRIMED FOR PAINT		
MT-3	CEMENT BOARD BATTEN	JAMES HARDIE	HARDIE TRIM BATTEN BOARDS	PRIMED FOR PAINT		
MT-4	CEMENT BOARD PANEL	JAMES HARDIE	HARDIE PANEL: SELECT CEDARMILL	PRIMED FOR PAINT		
PT-3	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0045	ANTIQUARIAN BROWN		
PT-4	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6068	BREVITY BROWN		



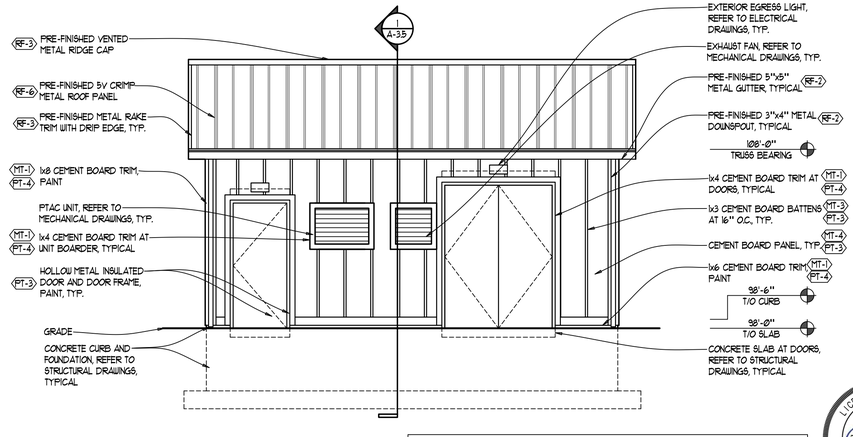
4 EXTERIOR ELEVATION - PLAN WEST
SCALE: 1/4" = 1'-0"



2 EXTERIOR ELEVATION - PLAN EAST
SCALE: 1/4" = 1'-0"



3 EXTERIOR ELEVATION - PLAN NORTH
SCALE: 1/4" = 1'-0"



1 EXTERIOR ELEVATION - PLAN SOUTH
SCALE: 1/4" = 1'-0"

NOTE:
ELEV Ø0'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 718'-0" (718.Ø0)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11.30.18
ROGER STEVENSON
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004115

SCALE	VARIES
DATE	Ø6-Ø5-2Ø16
DRAWN	BJK
FILE	#225Ø93-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRIC BUILDING EXTERIOR ELEVATIONS AND EXTERIOR SELECTION SCHEDULE

SFGM - COASTER 2021

SHEET NO.
2-A-2.4

#225Ø93-2

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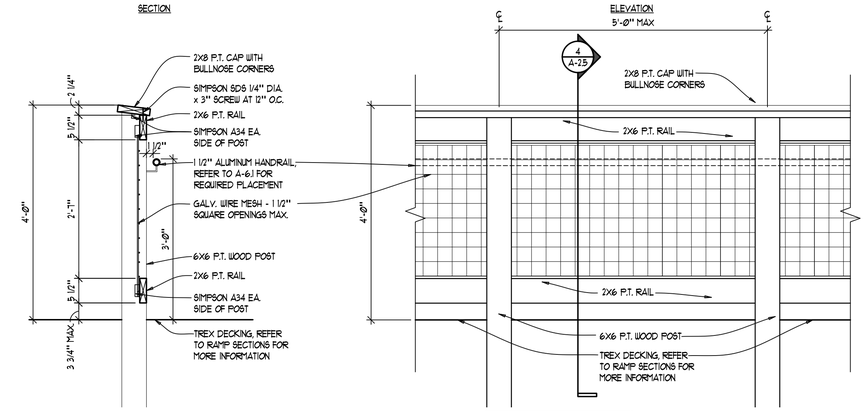
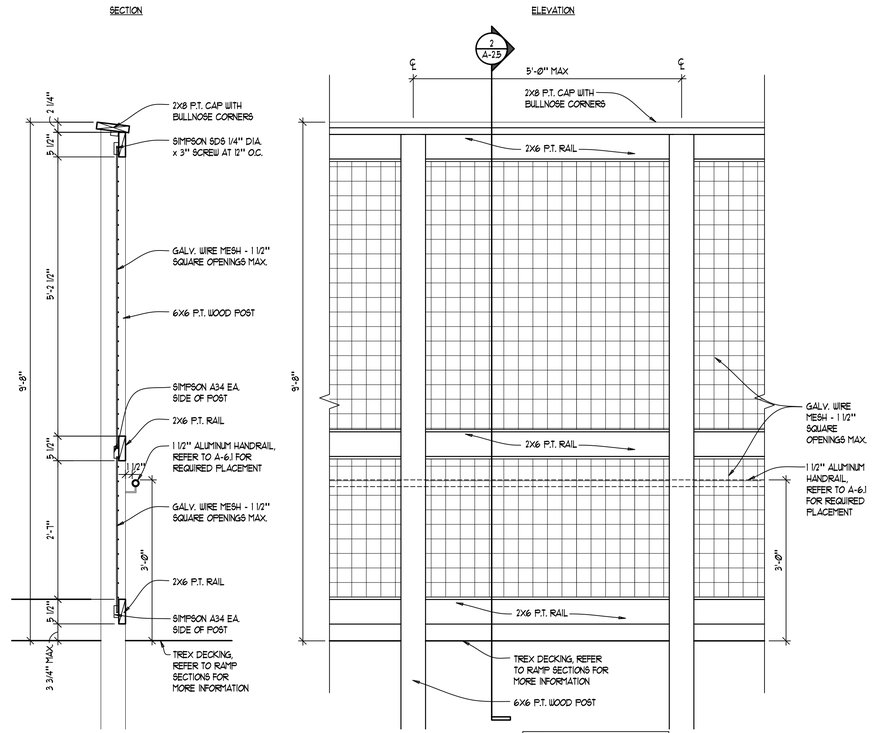


4 FENCE DETAILS - 4'-0" WOOD FENCE AT RAMP

SCALE: 3/4" = 1'-0"

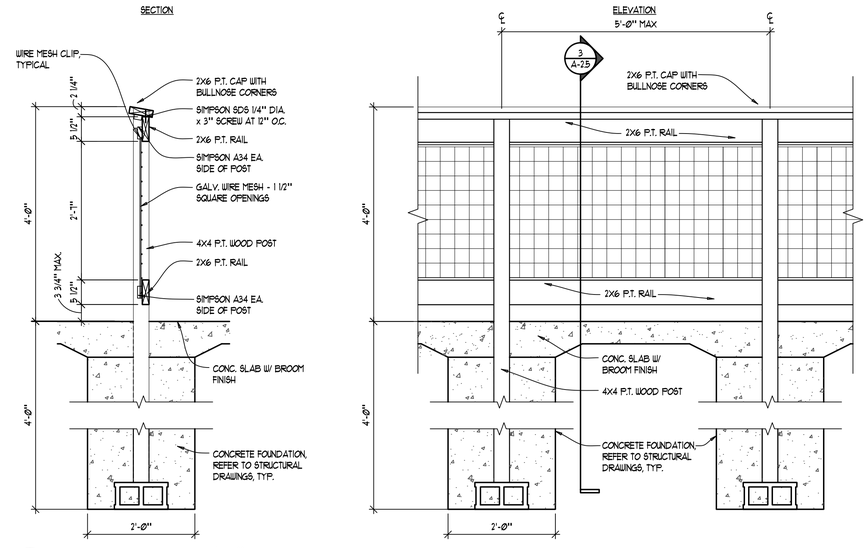
NOTE:
REFER TO SHEET A-6.1 FOR ENLARGED RAMP DETAILS, TYPICAL



2 FENCE DETAILS - 9'-8" LOW-ZONE FENCE AT RAMP

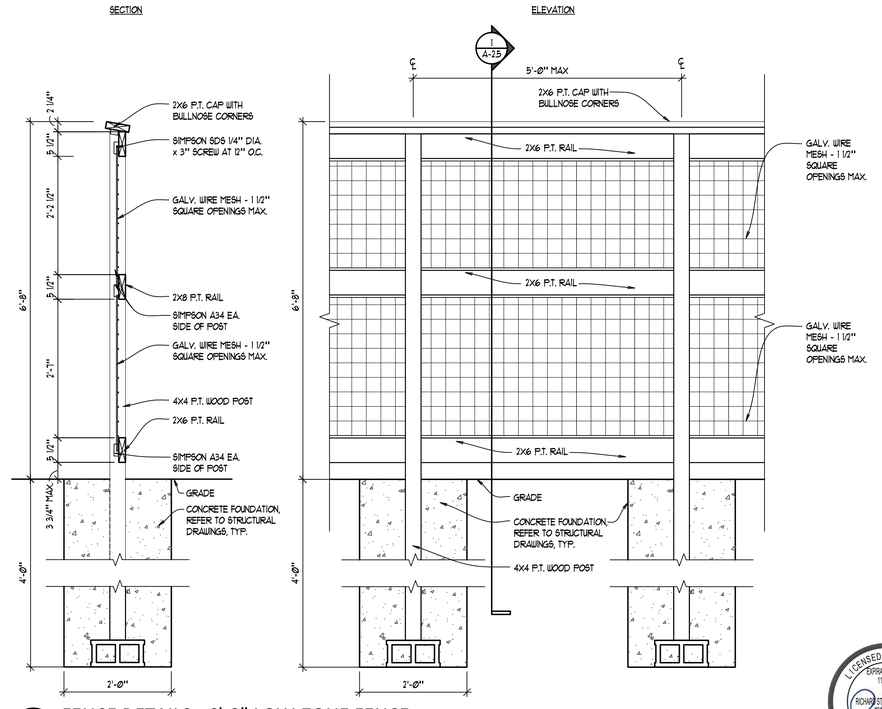
SCALE: 3/4" = 1'-0"

NOTE:
REFER TO SHEET A-6.1 FOR ENLARGED RAMP DETAILS, TYPICAL



3 FENCE DETAILS - 4'-0" WOOD FENCE

SCALE: 3/4" = 1'-0"



1 FENCE DETAILS - 6'-8" LOW-ZONE FENCE

SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE 11-30-20
RICHARD STAN RASMUSSEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004118

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225033-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

FENCE DETAILS

SFGM - COASTER 2021

SHEET NO.
2-A-2.5

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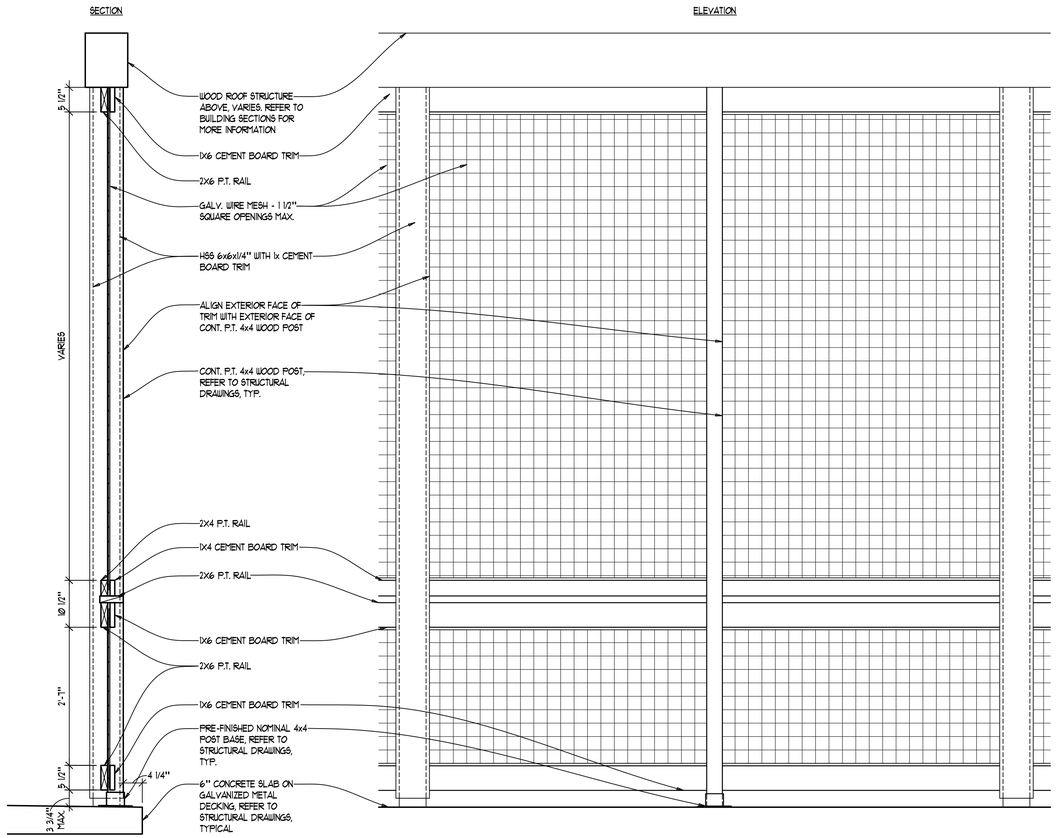
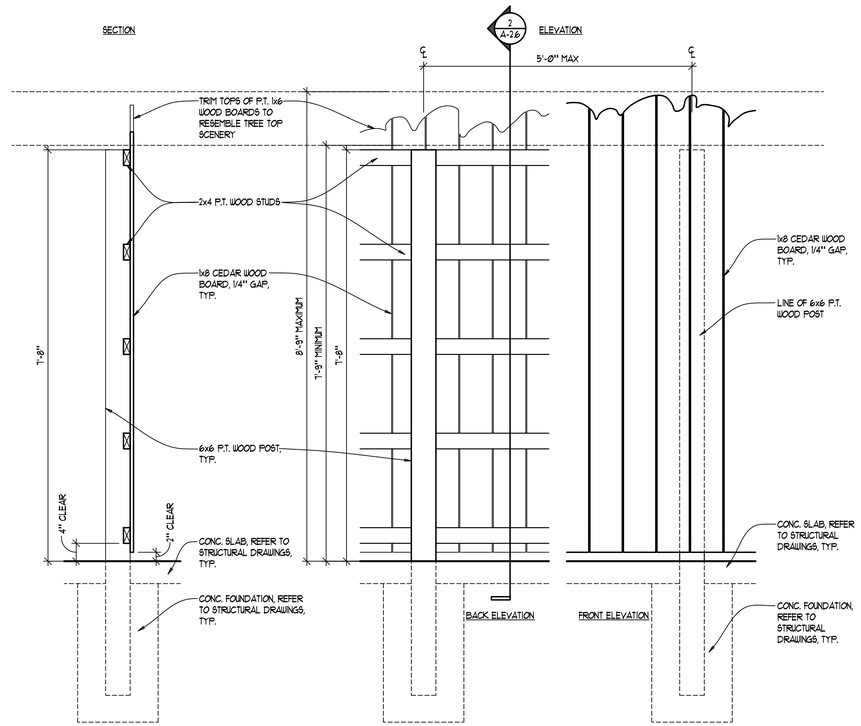
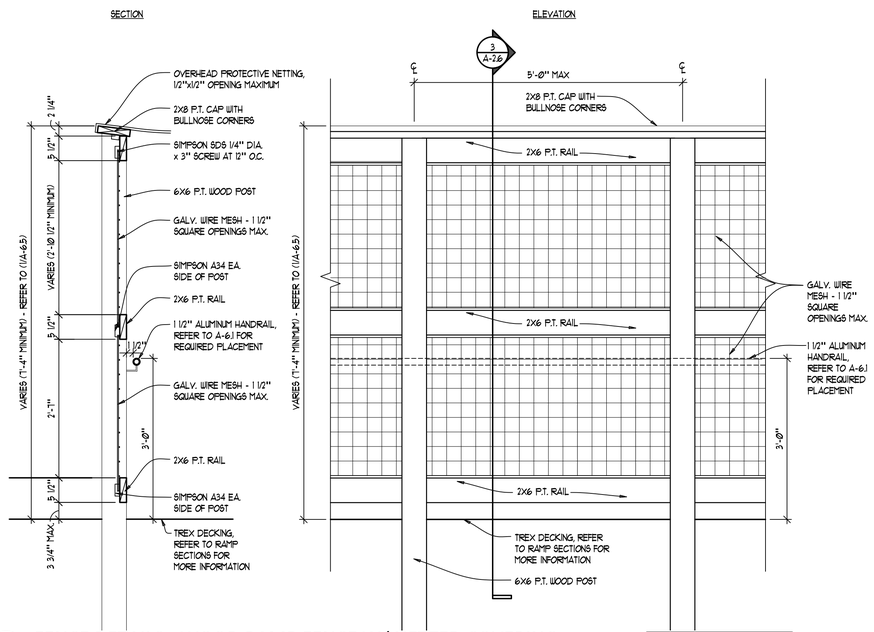
#225033-2



4 FENCE DETAILS - RIDE STATION PERIMETER
SCALE: 3/4" = 1'-0"

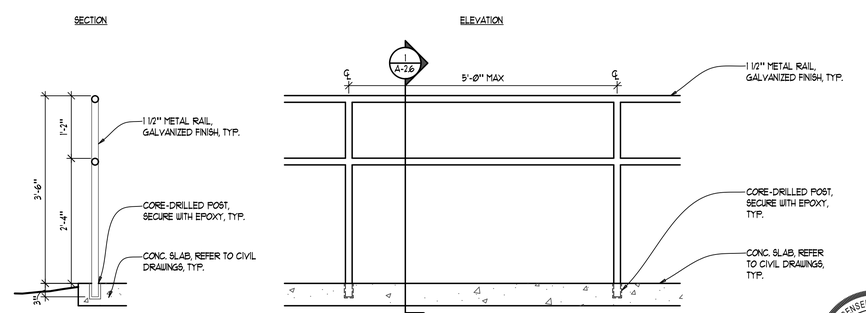


2 FENCE DETAILS - SCREEN FENCE
SCALE: 3/4" = 1'-0"



3 FENCE DETAILS - WOOD RAMP FENCE W/ NETTED COVERING
SCALE: 3/4" = 1'-0"

NOTE:
REFER TO SHEET A-6.1 FOR ENLARGED RAMP DETAILS, TYPICAL



1 FENCE DETAILS - 3'-6" QUEUE RAIL
SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-20
RICHARD STAN SULLIVAN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004118

SCALE	VARIES
DATE	06-05-2020
DRAWN	BJK
FILE	#225033-2

REVISION	DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
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Cincinnati, OH 45236
513-891-9950 PHONE
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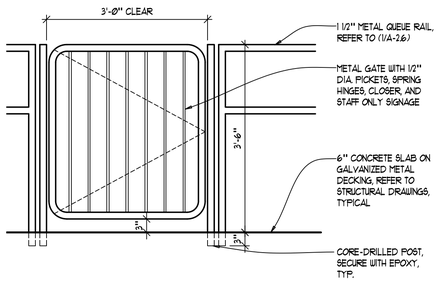
Six Flags
Entertainment Corporation

FENCE DETAILS

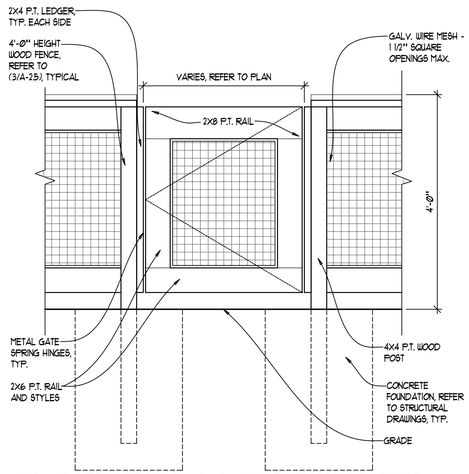
SFGM - COASTER 2021

SHEET NO.
2-A-2.6

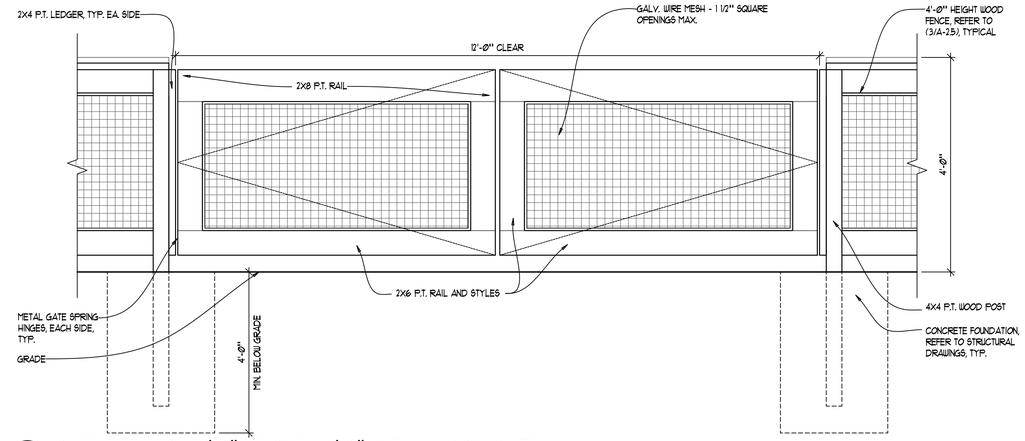
#225033-2



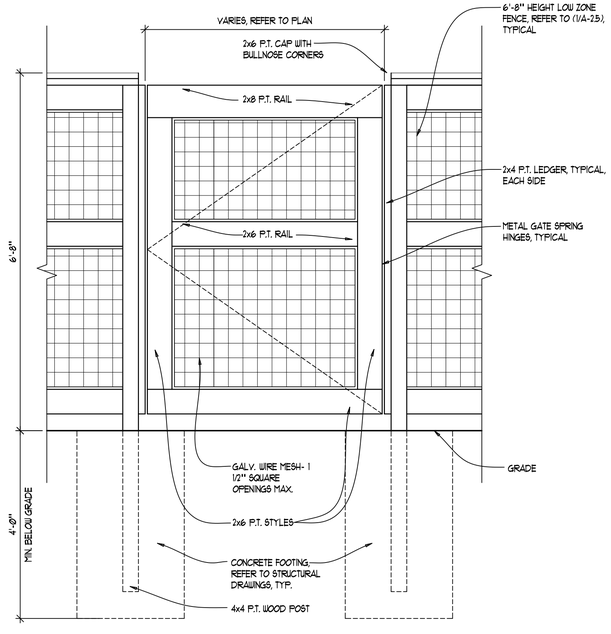
5 GATE DETAILS - METAL QUEUE GATE
SCALE: 3/4" = 1'-0"



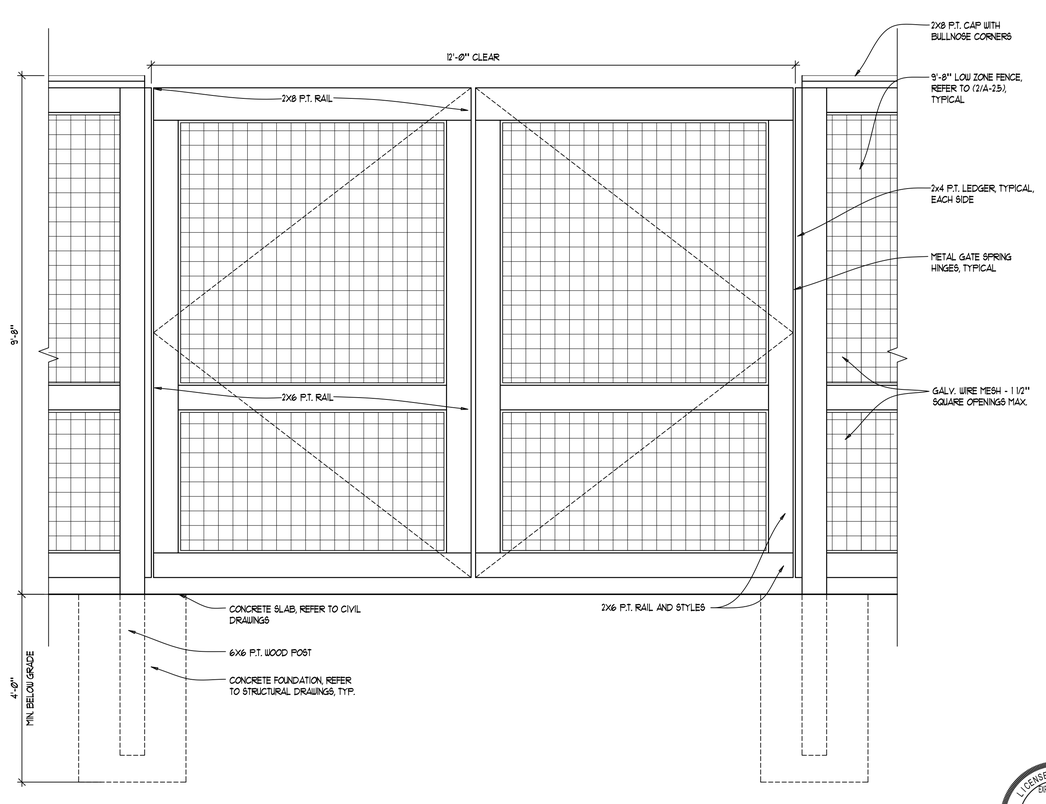
4 GATE DETAILS - 4'-0" HEIGHT WOOD GATE
SCALE: 3/4" = 1'-0"



2 GATE DETAILS - 4'-0" HEIGHT 12'-0" CLEAR WOOD GATE
SCALE: 3/4" = 1'-0"



3 GATE DETAILS - 6'-8" HEIGHT LOW ZONE GATE
SCALE: 3/4" = 1'-0"



1 GATE DETAILS - 9'-8" HEIGHT 12'-0" CLEAR LOW ZONE GATE
SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE 11-30-26
RICHARD STEVEN LASKOWSKI
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004118

SCALE VARIES
DATE 06-05-2026
DRAWN BJK
FILE #225093-2

REVISION	DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

GATE DETAILS

SFGM - COASTER 2027

SHEET NO.
2-A-2.7

#225093-2

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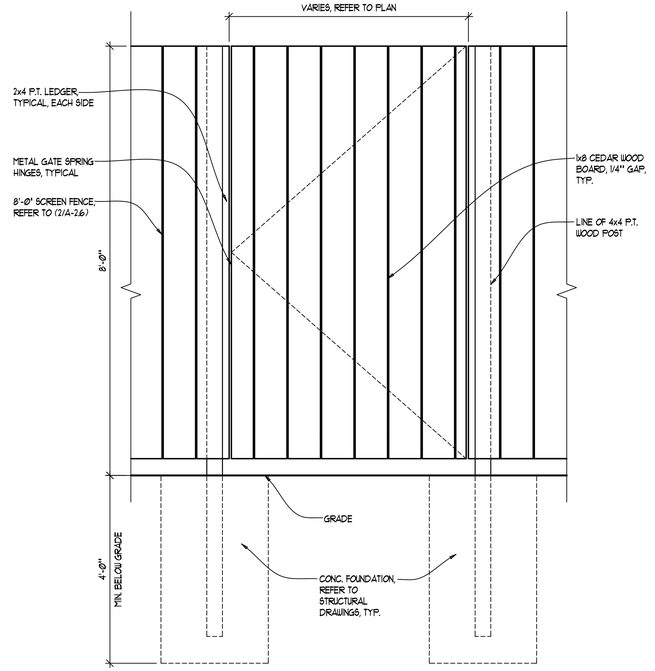
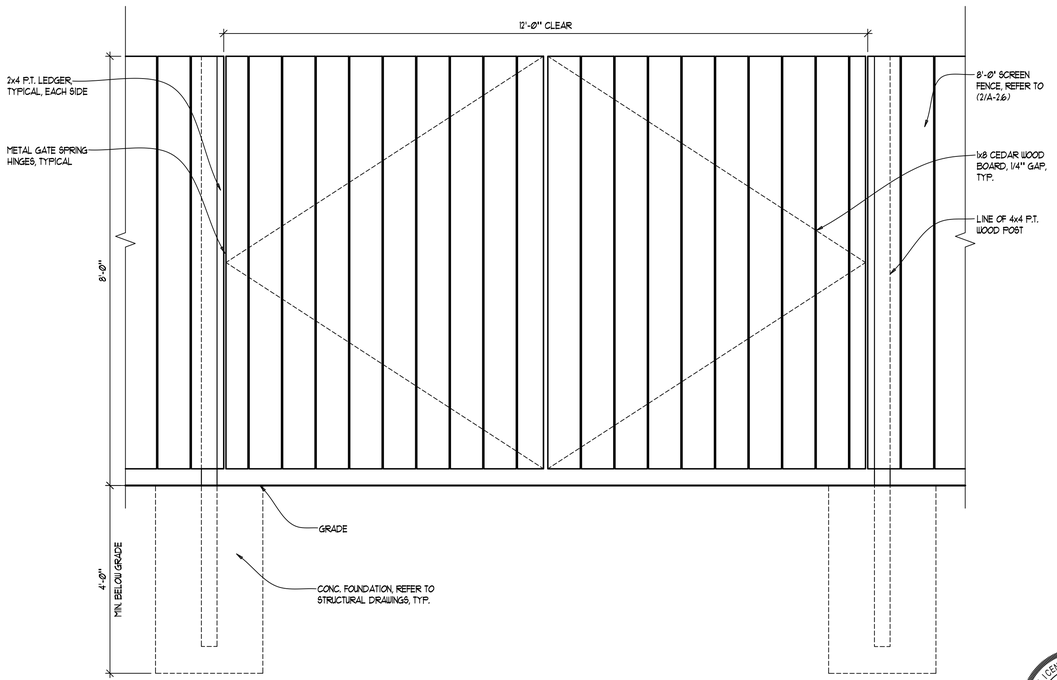
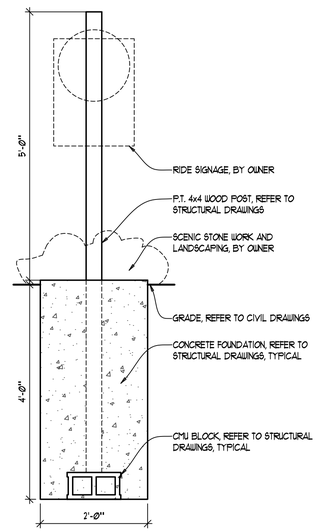


1 GATE DETAILS - 8'-0" HEIGHT 12'-0" CLEAR SCREEN GATE
SCALE: 3/4" = 1'-0"



2 GATE DETAILS - 8'-0" HEIGHT SCREEN FENCE GATE
SCALE: 3/4" = 1'-0"



3 RIDE SIGNAGE ELEVATION
SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS STANLEY LOVER
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

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Six Flags
Entertainment Corporation

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

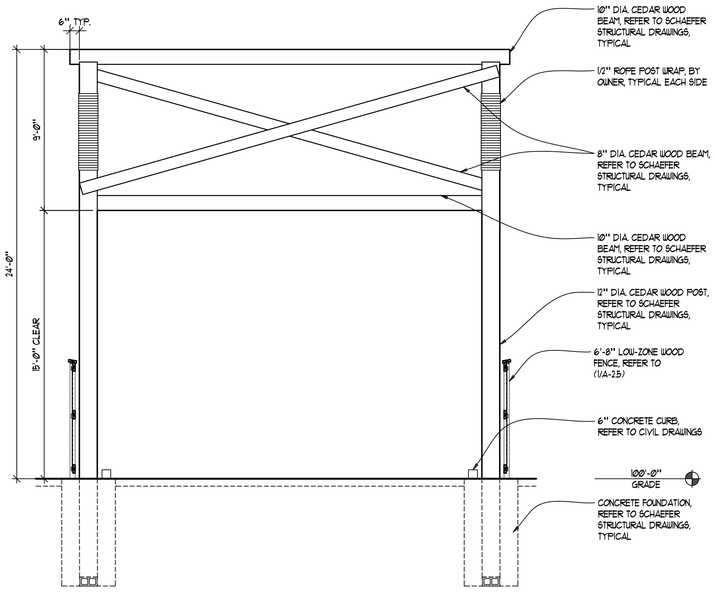
R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

GATE AND RIDE SIGNAGE DETAILS

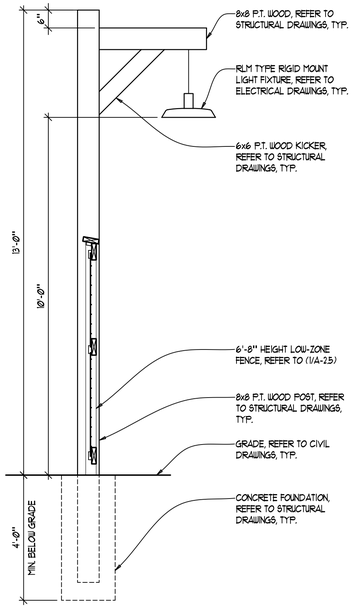
SFGM - COASTER 2021

SHEET NO.
2-A-2.8

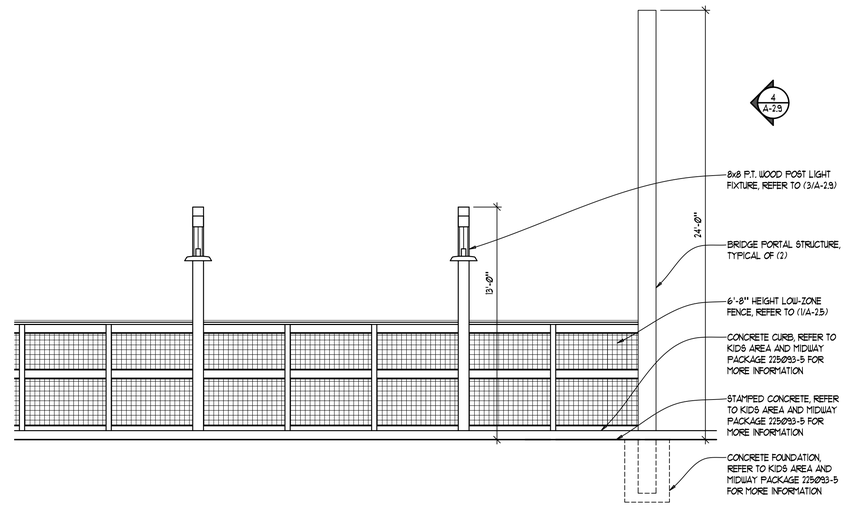
#125093-2



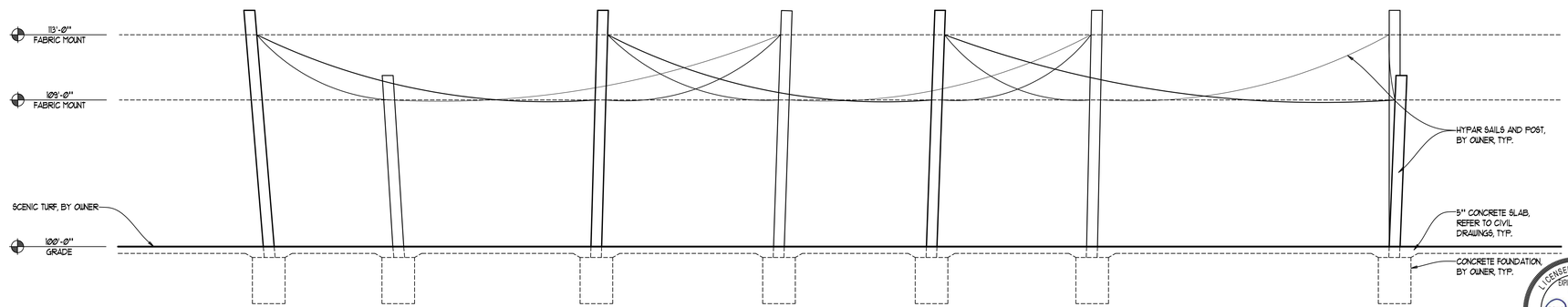
4 ELEVATION at BRIDGE PORTAL
SCALE: 1/4" = 1'-0"



3 FENCE DETAIL - POST LIGHTING
SCALE: 1/2" = 1'-0"



2 FENCE ELEVATION - 6'-8" LOW-ZONE WITH POST LIGHTING
SCALE: 1/4" = 1'-0"



1 CANOPY ELEVATION
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS STEVEN LOWER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225Ø93-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

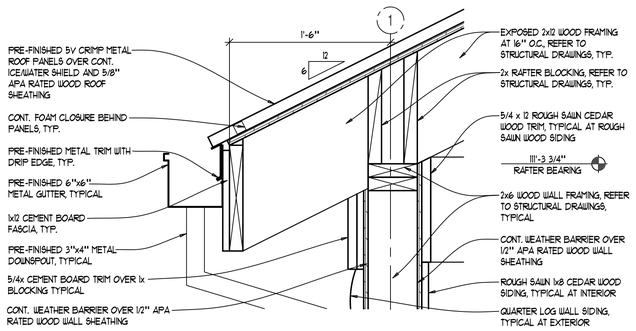
Six Flags Entertainment Corporation

CANOPY ELEVATIONS AND POST LIGHTING DETAILS

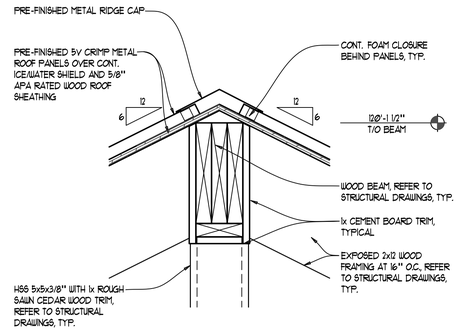
SFGM - COASTER 2021

SHEET NO.
2-A-2.9

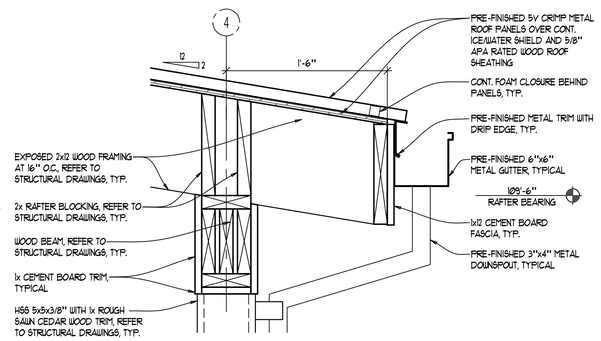
#225Ø93-2



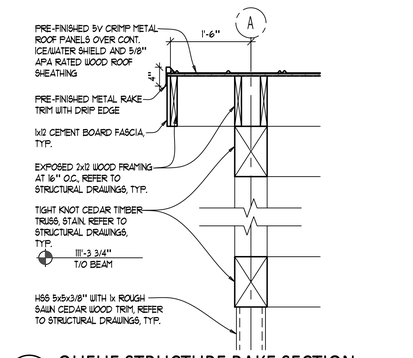
5 SECTION at EAVE
SCALE: 1 1/2" = 1'-0"



4 SECTION at RIDGE
SCALE: 1 1/2" = 1'-0"



3 SECTION at EAVE
SCALE: 1 1/2" = 1'-0"



2 QUEUE STRUCTURE RAKE SECTION
SCALE: 3/4" = 1'-0"

1 QUEUE STRUCTURE BUILDING SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV 100'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
RICHARD STEVEN LEDBETTER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SCALE VARIES
DATE 06-05-2016
DRAWN BJK
FILE #250933-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

QUEUE STRUCTURE - SECTIONS

SFGM - COASTER 2017

SHEET NO.
2-A-3.1

#250933-2

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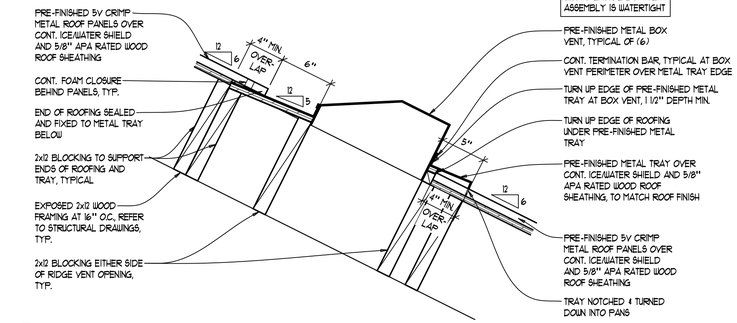
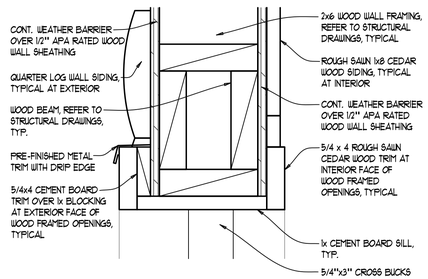
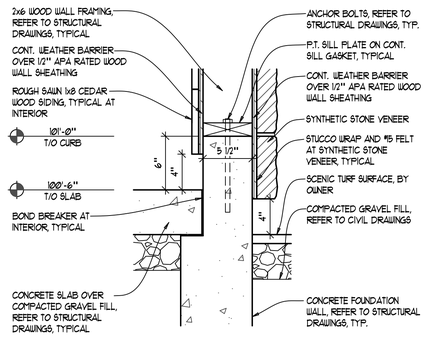
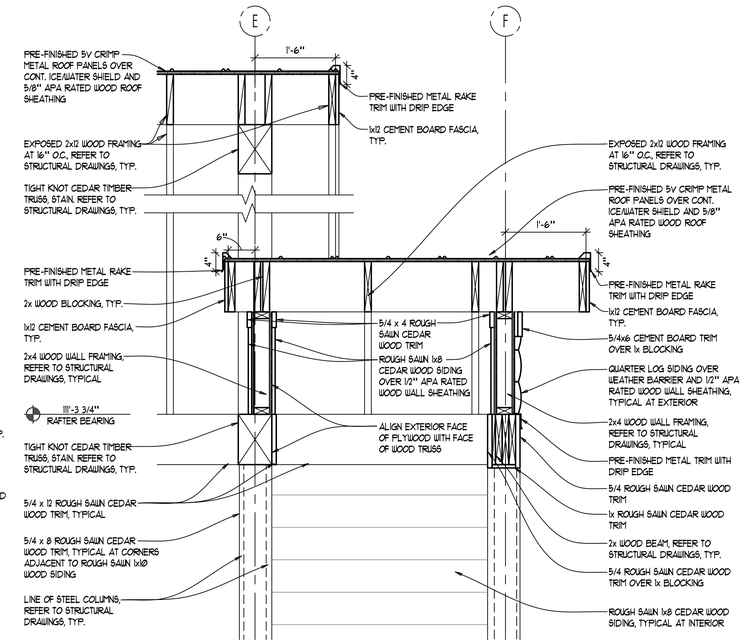


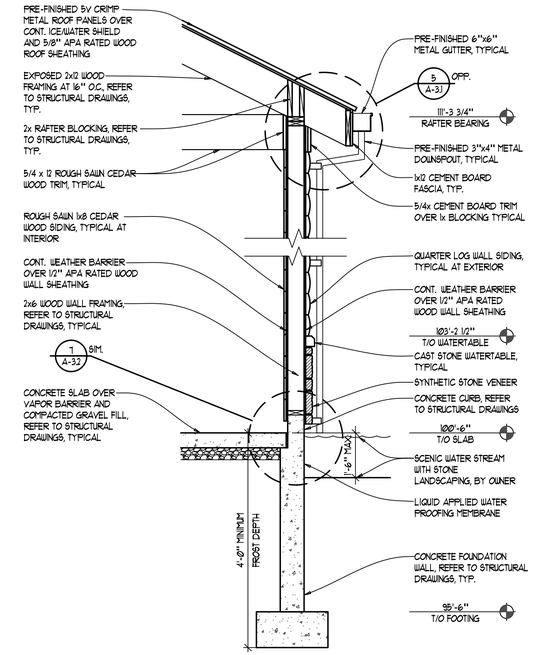
10 SECTION at BOX VENT
SCALE: 1 1/2" = 1'-0"





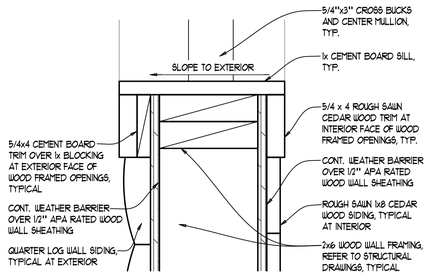


3 QUEUE STRUCTURE ROOF SECTION
SCALE: 3/4" = 1'-0"

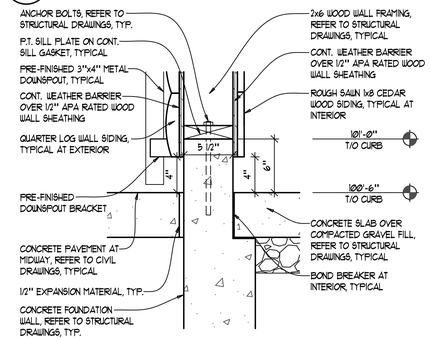


2 QUEUE STRUCTURE BUILDING SECTION
SCALE: 1/2" = 1'-0"

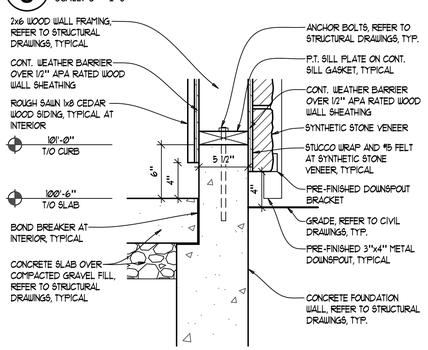
9 SECTION at HEADER
SCALE: 3" = 1'-0"



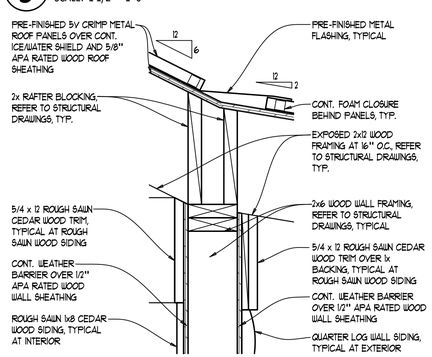
6 SECTION at CURB
SCALE: 1 1/2" = 1'-0"



8 SECTION at SILL
SCALE: 3" = 1'-0"

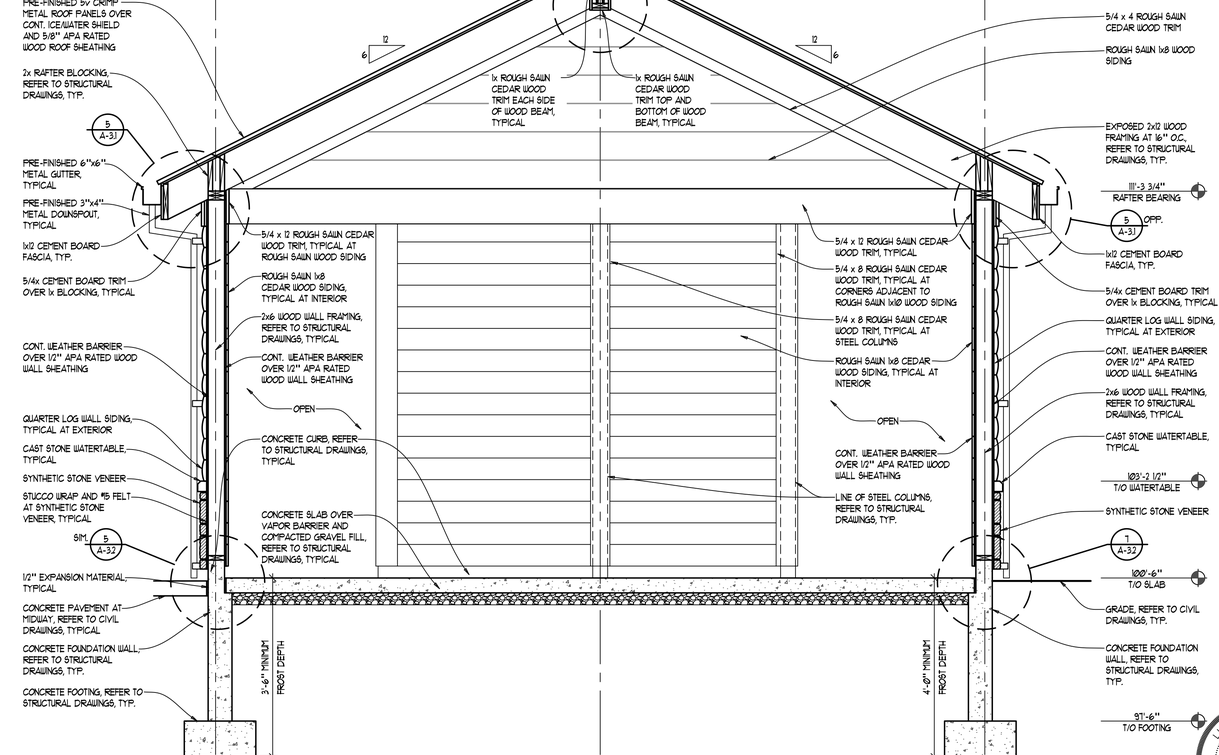


5 SECTION at CURB
SCALE: 1 1/2" = 1'-0"



7 SECTION at CURB
SCALE: 1 1/2" = 1'-0"

4 SECTION at VALLEY
SCALE: 1 1/2" = 1'-0"



1 QUEUE STRUCTURE BUILDING SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV Ø0'-Ø" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-Ø" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-18
ROGER STAN LINDSAY
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BK
FILE	#225033-2

REVISION	DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

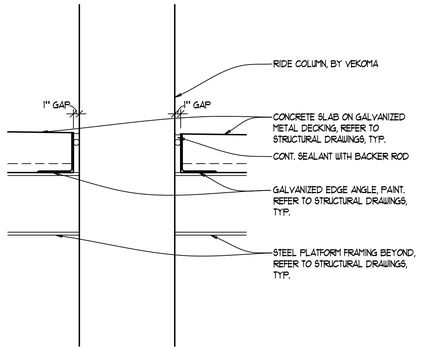
Six Flags Entertainment Corporation

QUEUE STRUCTURE - SECTIONS

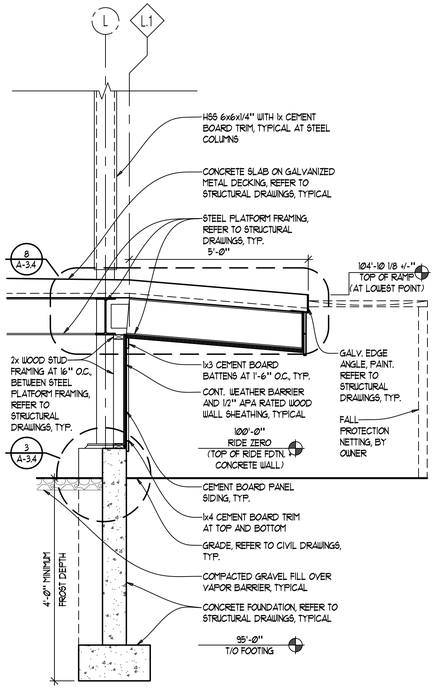
SFGM - COASTER 2017

SHEET NO.
2-A-3.2

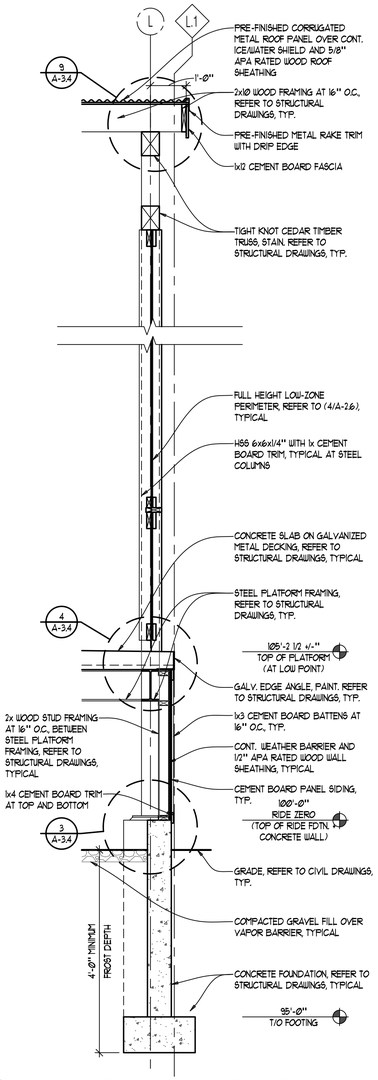
#225033-2



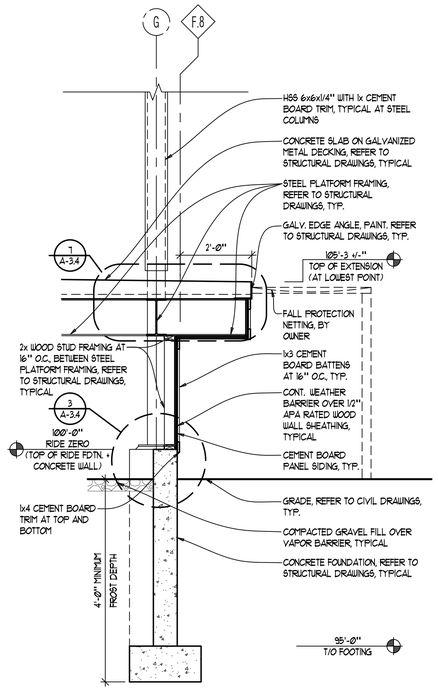
5 RIDE STATION at RIDE COLUMN
SCALE: 1" = 1'-0"



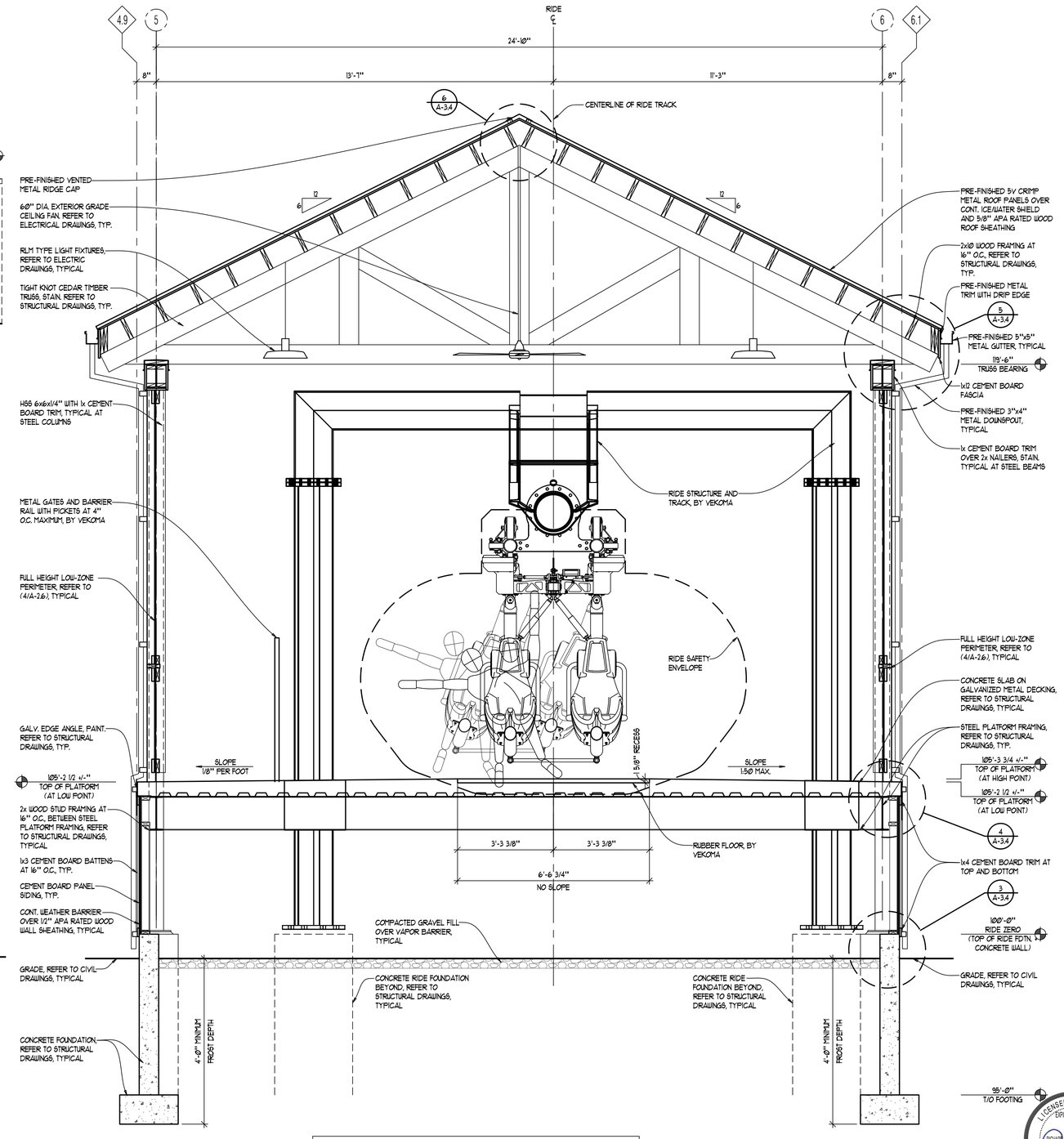
3 RIDE STATION RAMP SECTION
SCALE: 1/2" = 1'-0"



4 WALL SECTION at RIDE STATION
SCALE: 1/2" = 1'-0"



2 RIDE STATION PLATFORM SECTION
SCALE: 1/2" = 1'-0"



1 RIDE STATION BUILDING SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV Ø00'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11.30.09
ROGER STEVEN LOSSON
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184.004.118

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225033-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RIDE STATION - SECTIONS

SFGM - COASTER 2027

SHEET NO.
2-A-3.3

#225033-2

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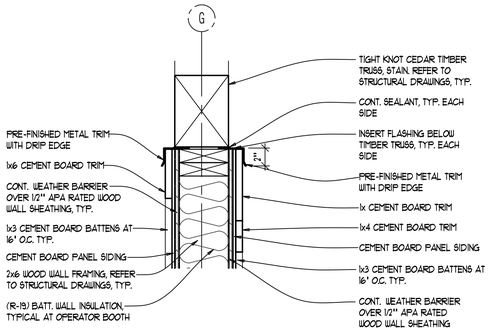
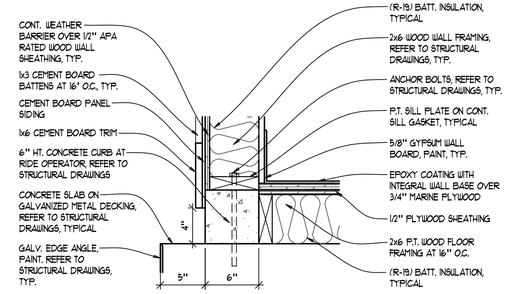
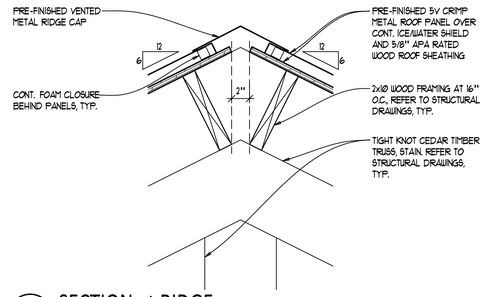


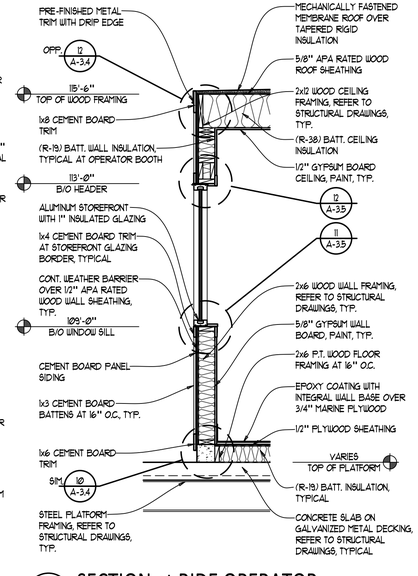
14 SECTION at TRUSS
SCALE: 1 1/2" = 1'-0"



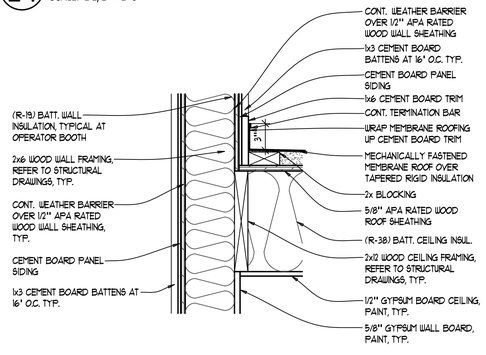
10 SECTION at RIDE OPERATOR CURB
SCALE: 1 1/2" = 1'-0"



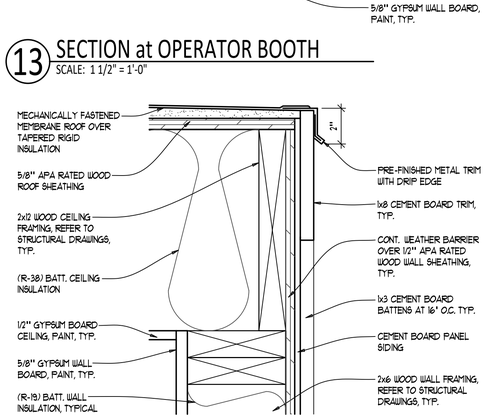
6 SECTION at RIDGE
SCALE: 1 1/2" = 1'-0"



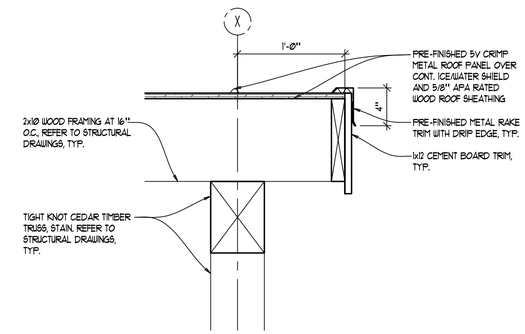
2 SECTION at RIDE OPERATOR
SCALE: 1/2" = 1'-0"



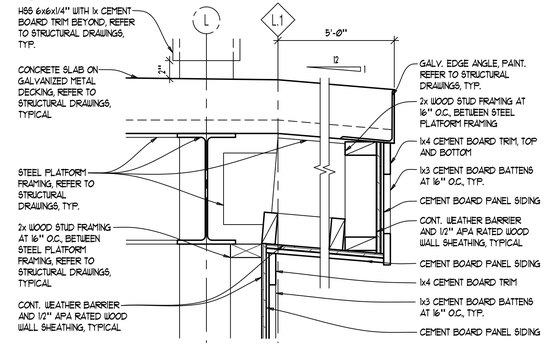
13 SECTION at OPERATOR BOOTH
SCALE: 1 1/2" = 1'-0"



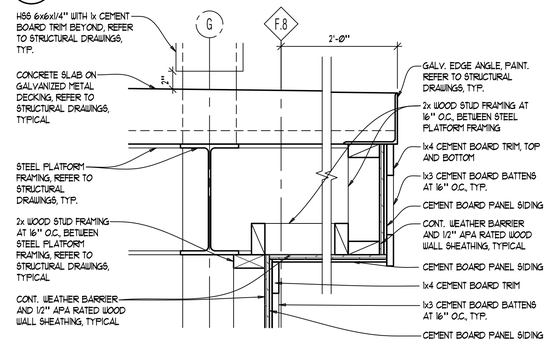
12 SECTION at OPERATOR BOOTH
SCALE: 3" = 1'-0"



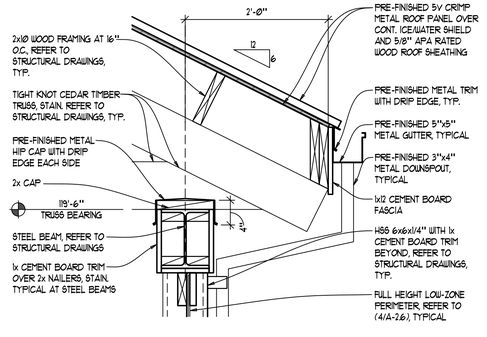
9 SECTION at RAKE
SCALE: 1 1/2" = 1'-0"



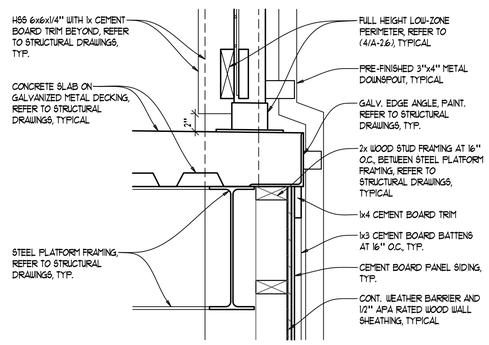
8 SECTION at RUN-UP RAMP
SCALE: 1 1/2" = 1'-0"



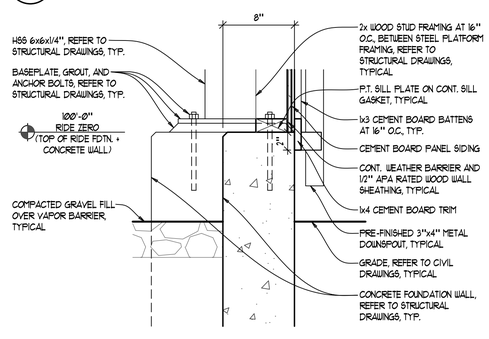
7 SECTION at DECK EXTENSION
SCALE: 1 1/2" = 1'-0"



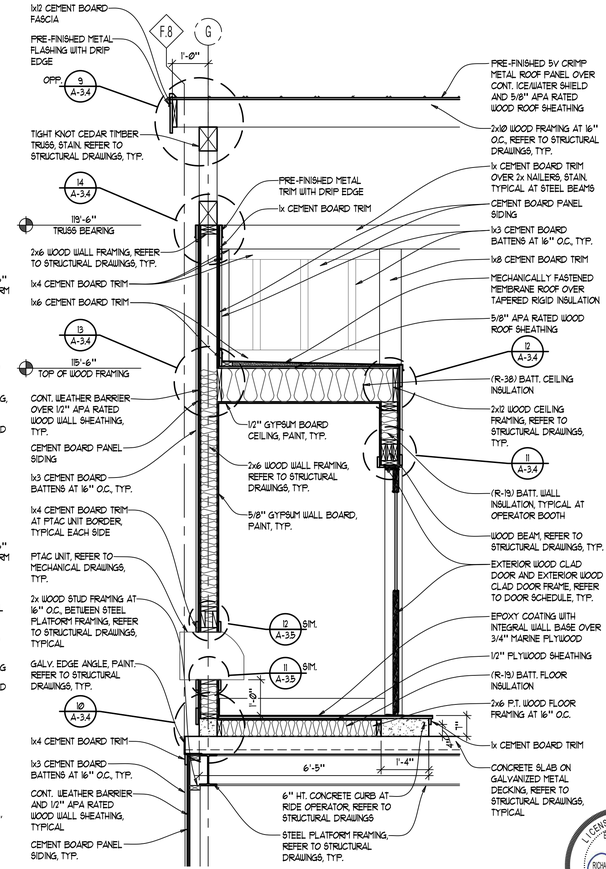
5 SECTION at EAVE
SCALE: 1" = 1'-0"



4 SECTION at PLATFORM EDGE
SCALE: 1 1/2" = 1'-0"



3 SECTION at FOUNDATION WALL
SCALE: 1 1/2" = 1'-0"



1 SECTION at RIDE OPERATOR
SCALE: 1/2" = 1'-0"

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#250933-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RIDE STATION - SECTIONS

SFGM - COASTER 2027

SHEET NO.
2-A-3.4

LICENSED ARCHITECT
EXPIRATION DATE 11.30.26
RICHARD STAN LAWSON
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004118

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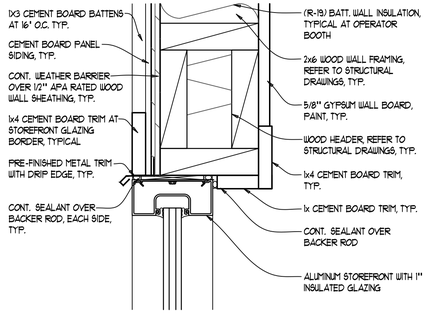
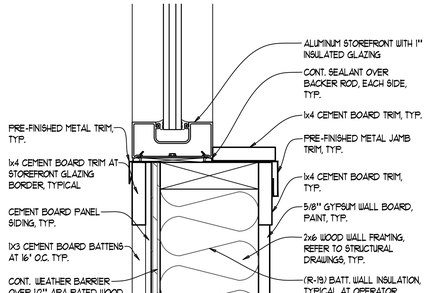
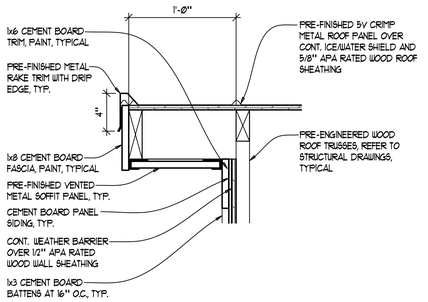
#250933-2



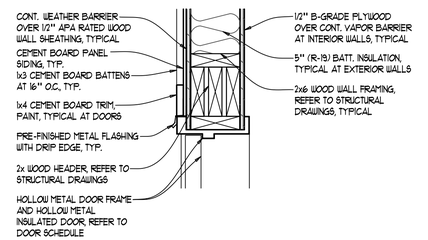
12 SECTION at RIDE STATION HEADER
SCALE: 3" = 1'-0"



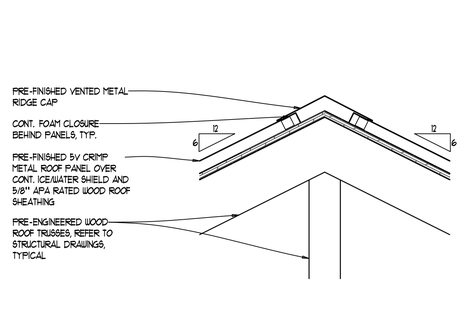
11 SECTION at RIDE STATION SILL
SCALE: 3" = 1'-0"



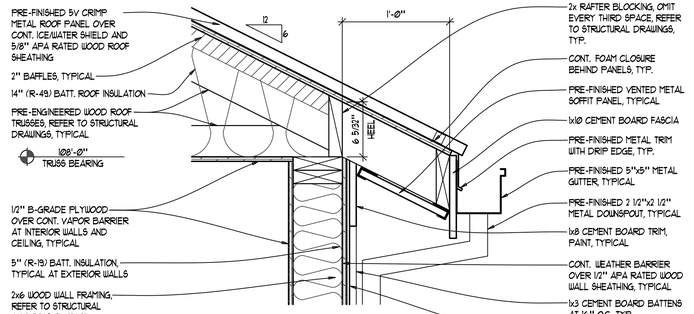
10 SECTION at RAKE
SCALE: 1 1/2" = 1'-0"



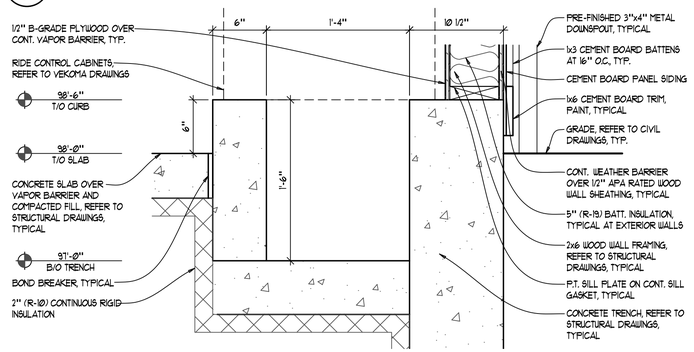
9 SECTION at DOOR HEADER
SCALE: 1 1/2" = 1'-0"



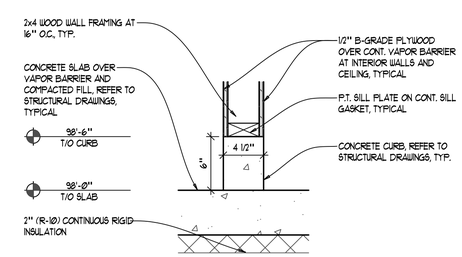
8 SECTION at RIDGE
SCALE: 1 1/2" = 1'-0"



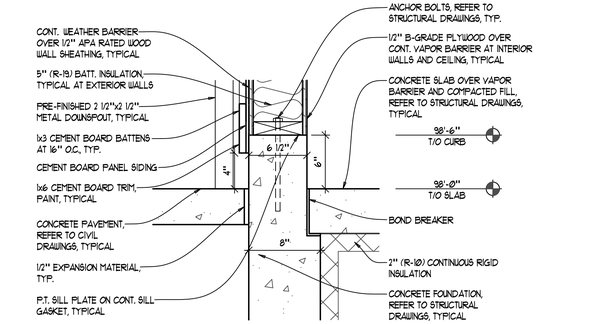
7 SECTION at EAVE
SCALE: 1 1/2" = 1'-0"



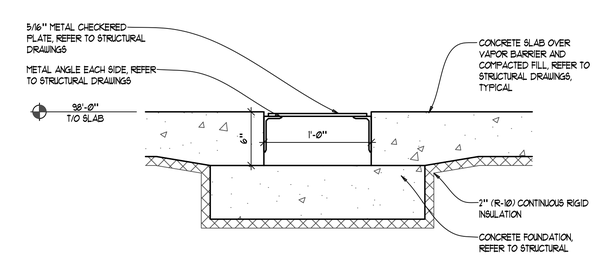
6 SECTION at TRENCH
SCALE: 1 1/2" = 1'-0"



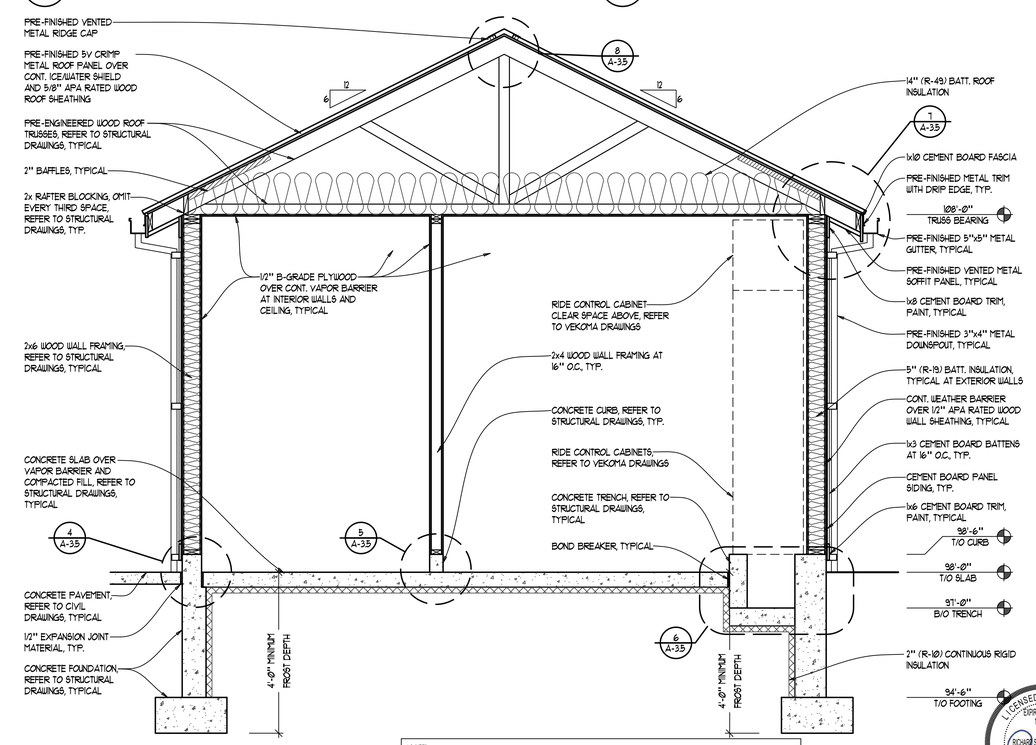
5 SECTION at CURB
SCALE: 1 1/2" = 1'-0"



4 SECTION at CURB
SCALE: 1 1/2" = 1'-0"



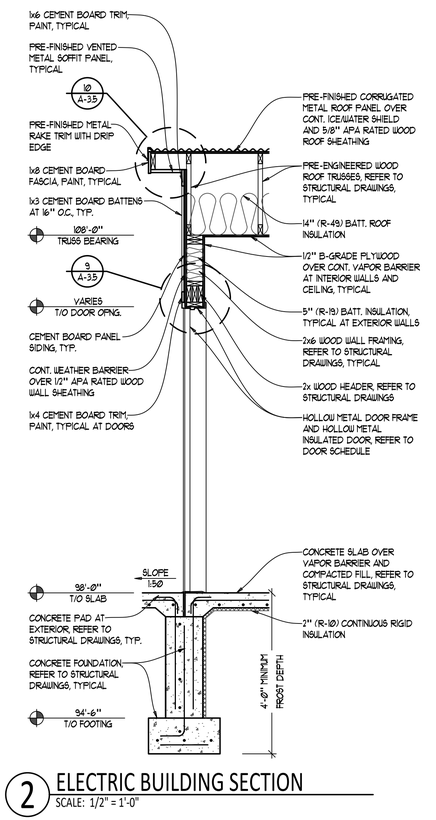
3 ELECTRIC BUILDING SECTION at TRENCH
SCALE: 1 1/2" = 1'-0"



1 ELECTRIC BUILDING SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV Ø0'-0" (RIDE ZERO, TOP OF RIDE FOUNDATION PIER) = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION



2 ELECTRIC BUILDING SECTION
SCALE: 1/2" = 1'-0"

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRIC BUILDING AND RIDE STATION - SECTIONS

SFGM - COASTER 2021

SHEET NO.
2-A-3.5

#125093-2

LICENSED ARCHITECT
EXPIRATION DATE
11-30-15
ROBERT S. LEVER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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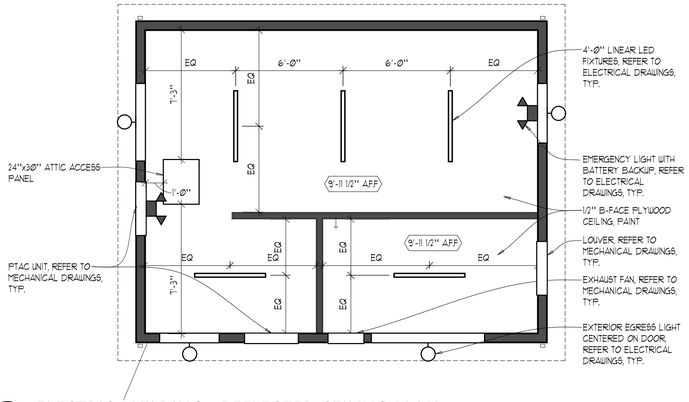
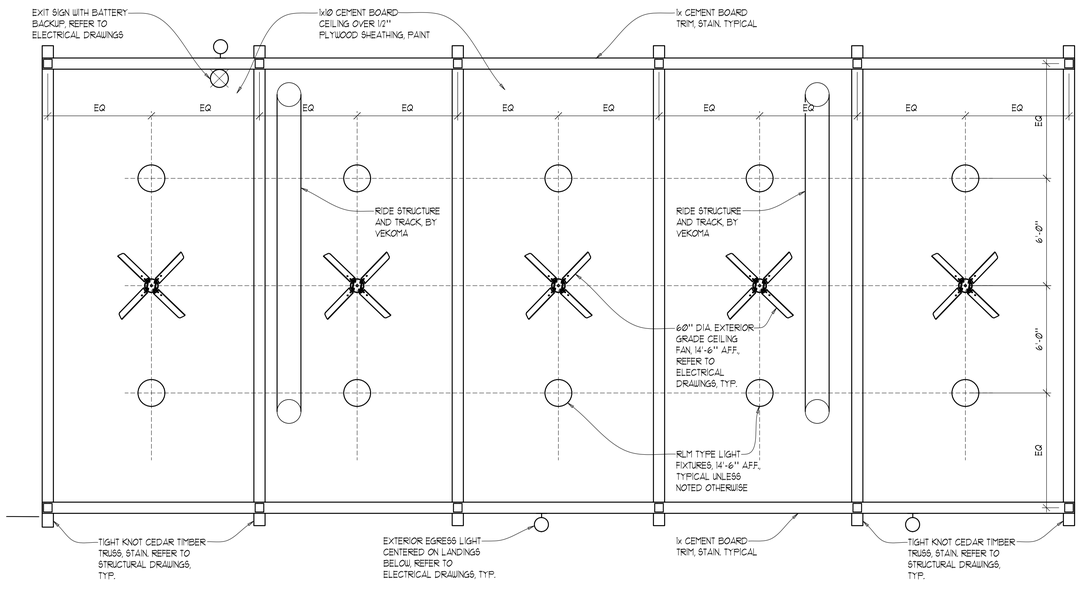
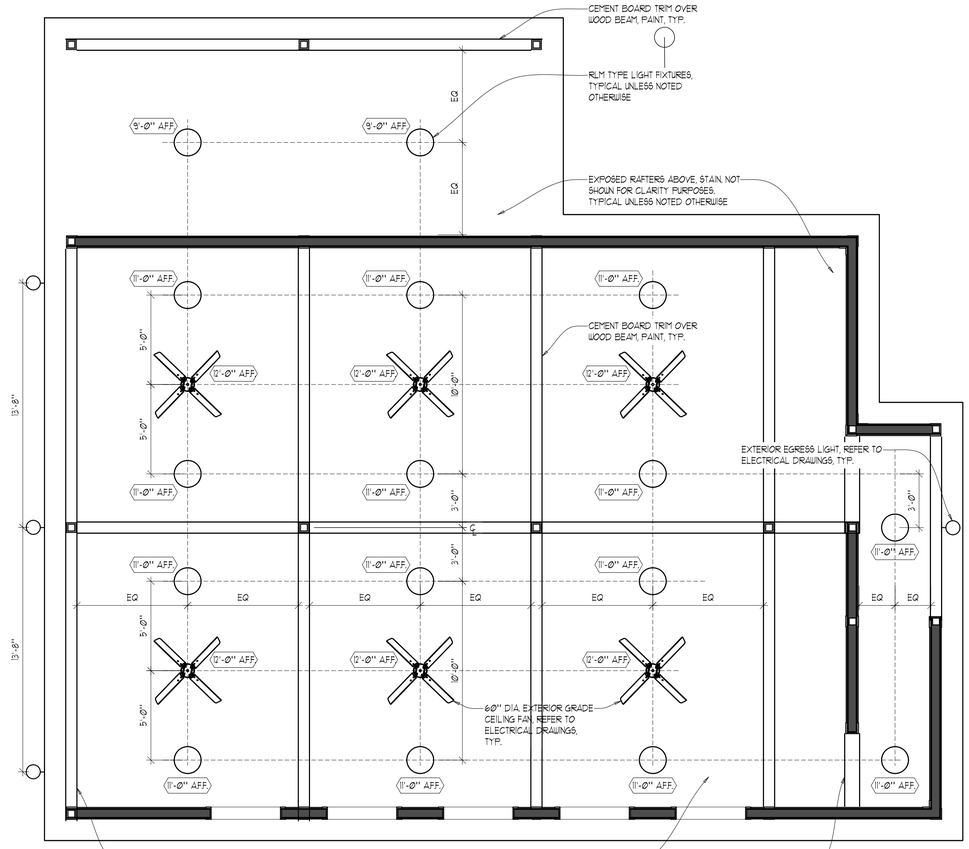


3 ELECTRIC BUILDING - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



2 RIDE STATION - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



1 QUEUE STRUCTURE - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY LOOK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225033-2

REVISION	DESCRIPTION

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Cincinnati, OH 45236
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513-891-9951 FAX
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REFLECTED CEILING PLANS

SFGM - COASTER 2027

SHEET NO.
2-A-4.1

#225033-2

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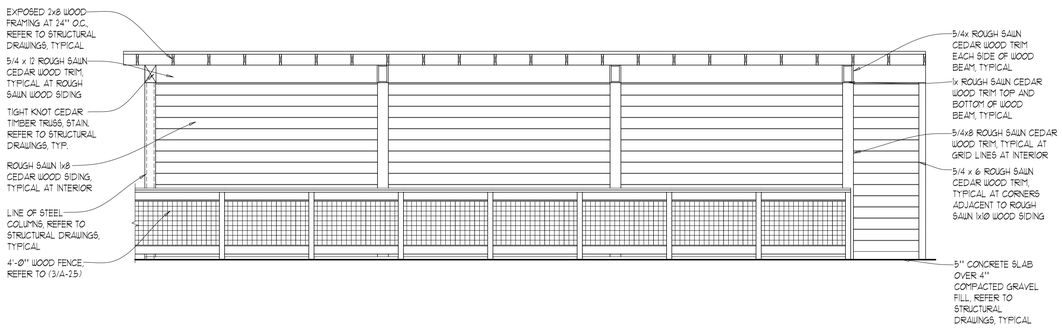
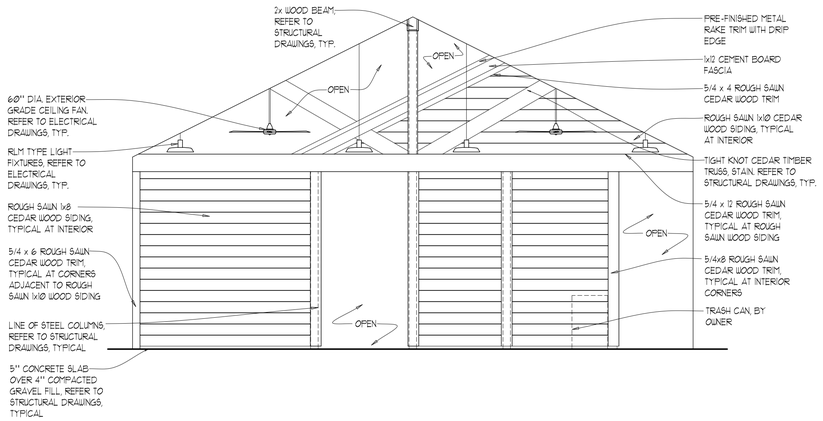
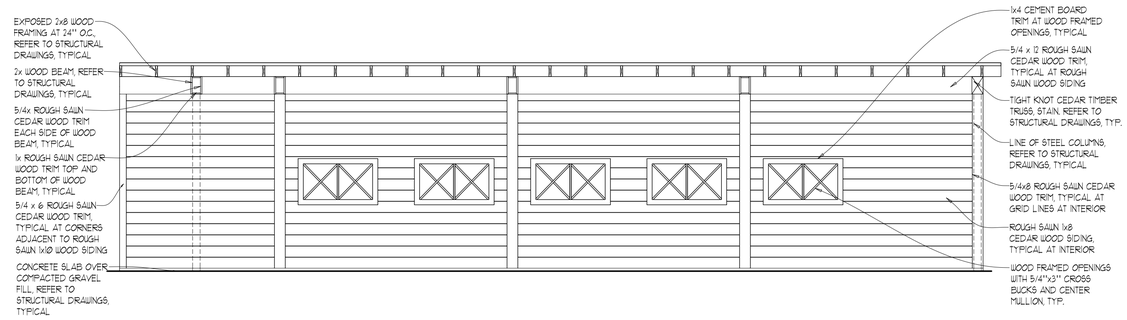


3 QUEUE BUILDING - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 QUEUE BUILDING - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



1 QUEUE BUILDING - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	WALLS N	WALLS E	WALLS S	WALLS W	CEILING	CLG. HT.	REMARKS
100	QUEUE BUILDING	CS	RSS / RST	RSS / RST	RSS / RST	(OPEN)	EF	VARIES	
101	RIDE STATION	CS	PF	PF	PF / MT-1 / MT-2	PF / MT-1 / EG / MT-2	EF	VARIES	
102	RIDE OPERATOR	EP	P-X / MT-1	P-X / EG	P-X / MT-1	P-X	P-X	8'-8 3/4"" A.F.F.	
200	ELECTRICAL	CS	BP	BP	BP	BP	BP	9'-11 1/2"" A.F.F.	
201	MECHANICAL	CS	BP	BP	BP	BP	BP	9'-11 1/2"" A.F.F.	

ROOM FINISH SCHEDULE LEGEND

BP - B-GRADE PLYWOOD, 1/2" THICK BOARDS, PAINT P-X

CS - CONCRETE, SEALED. APPLY 2 COATS SEALER, "L 4 M" DRESS AND SEAL" WITH 30% HIGH SOLIDS.

EF - EXPOSED WOOD FRAMING. STAIN ST-1

EG - EXTERIOR GLAZING. ALUMINUM STOREFRONT WITH 1" INSULATED GLAZING.

EP - EPOXY FLOORING WITH INTEGRAL BASE. MFT AND COLOR TBD.

MT-1 - CEMENT BOARD TRIM. MFT: JAMES HARDIE, TYPE: HARDIE TRIM, TEXTURE: ROUGH SAWN, FINISH: PRIMED FOR PAINT

MT-2 - CEMENT BOARD SIDING. MFT: JAMES HARDIE, TYPE: HARDIE PLANK, TEXTURE: SELECT CEDARMILL, FINISH: PRIMED FOR PAINT

P-X - PAINT WALL BOARD (FIELD). ONE COAT WHITE LATEX PRIMER, AND TWO FINISH COATS EGG SHELL LATEX. MFT: SHERWIN WILLIAMS, COLOR: XXX

PF - PERIMETER FENCE. REFER TO (4/A-2.6) FOR MORE INFORMATION.

RSS - ROUGH SAWN CEDAR SIDING. 1x8 WOOD BOARDS. STAIN ST-1

RST - ROUGH SAWN CEDAR TRIM. SIZING VARIES, REFER TO INTERIOR ELEVATIONS. STAIN ST-1

ST-1 - EXTERIOR GRADE STAIN. MFT: SHERWIN WILLIAMS, TYPE: SUPERDECK EXTERIOR SEMI-TRANSPARENT COLOR DECK STAIN, COLOR: XXX

NOTES:

1. PAINT ALL HOLLOW METAL DOORS WITH TWO COATS SEMI-GLOSS ALKYD ENAMEL, COLOR TO MATCH GP-X.

2. INSTALL ALL FINISHES PER MANUFACTURER'S INSTRUCTIONS.

SCALE VARIES
DATE 06-05-2016
DRAWN BJK
FILE *225093-2

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
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Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

QUEUE BUILDING INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE

SFGM - COASTER 2021

SHEET NO.
2-A-5.1

LICENSED ARCHITECT
EXPIRATION DATE 11.30.21
RICHARD STANLEY BOSCH
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184.004718

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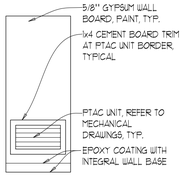
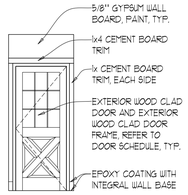
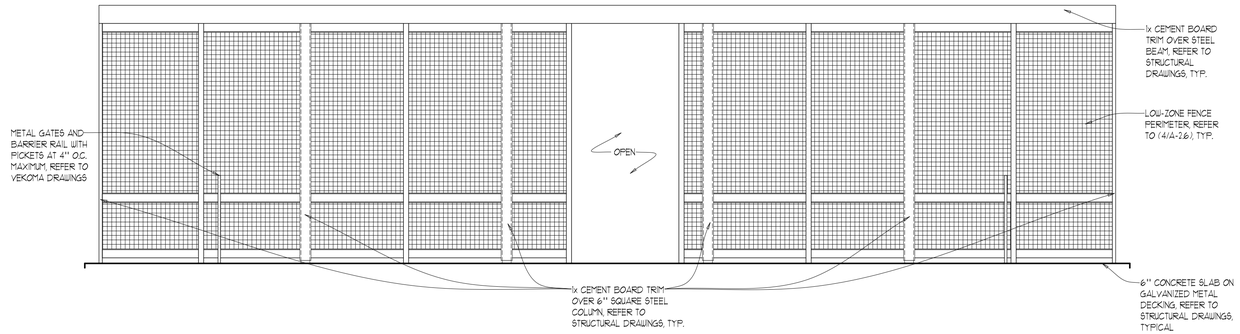
*225093-2



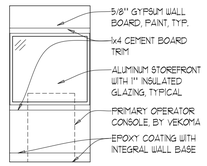
8 OPERATOR BOOTH - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



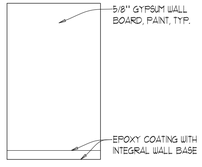
6 OPERATOR BOOTH - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



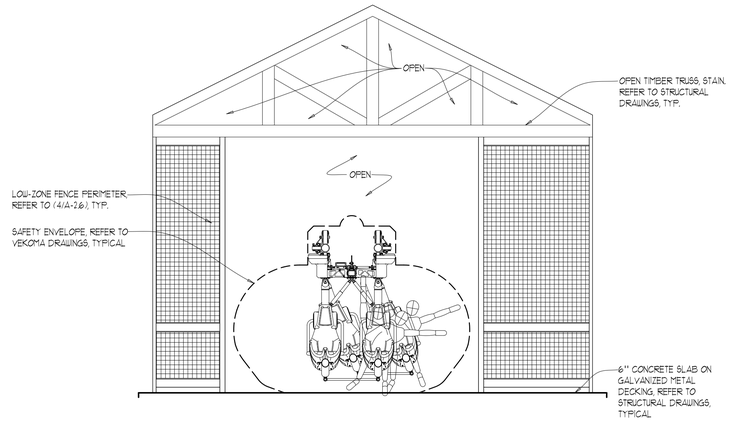
3 RIDE STATION - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



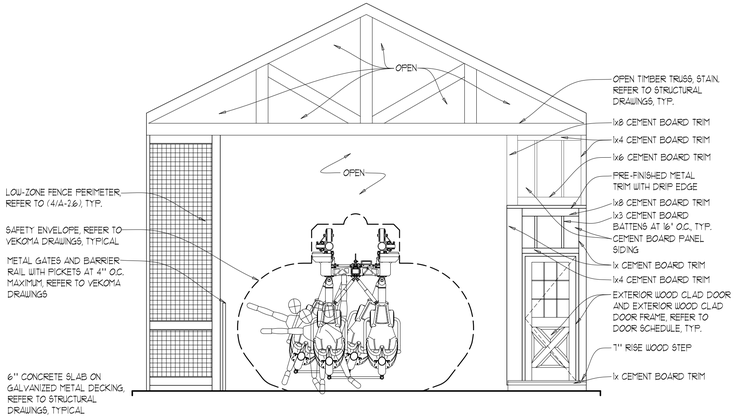
7 OPERATOR BOOTH - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



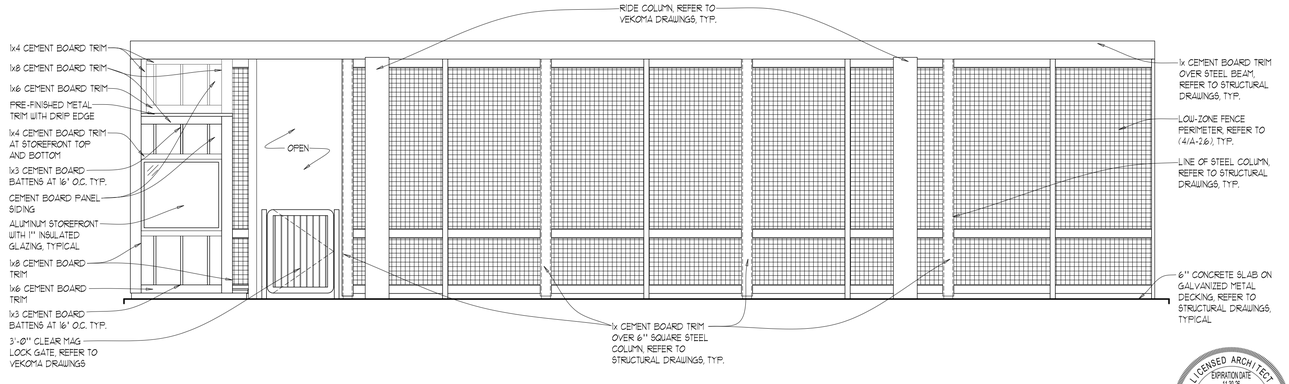
5 OPERATOR BOOTH - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 RIDE STATION - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



4 RIDE STATION - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



1 RIDE STATION - INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY WORK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SCALE VARIES
DATE 06-05-2026
DRAWN BJK
FILE #125033-2

REVISION	DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RIDE STATION AND OPERATOR BOOTH INTERIOR ELEVATIONS

SFGM - COASTER 2027

SHEET NO.
2-A-5.2

#125033-2

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1 ENLARGED SITE PLAN - RAMPS
SCALE: 1/8" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
ROBERT STANLEY LOOK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-2

REVISION	DESCRIPTION

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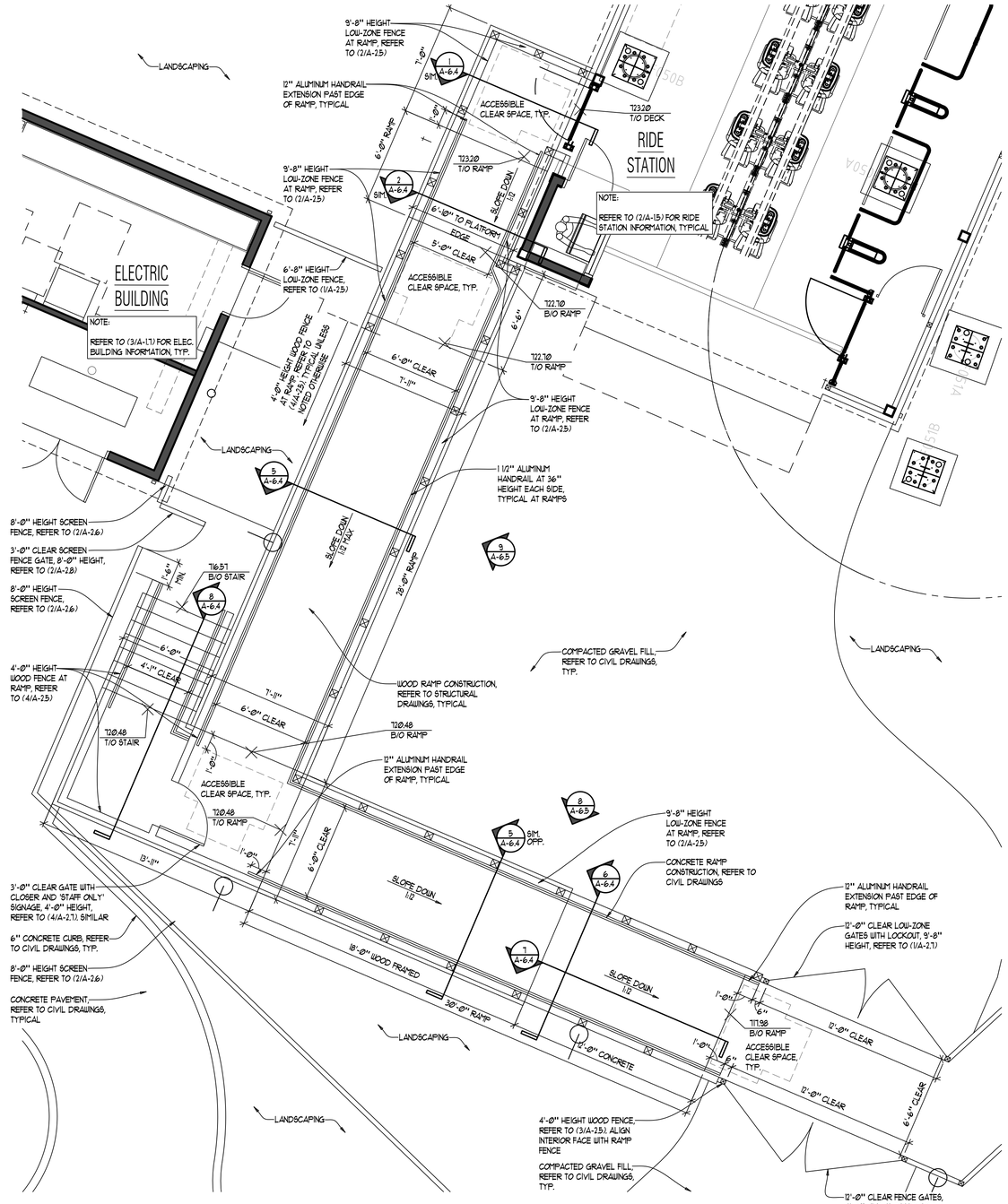
Entertainment Corporation

ENLARGED SITE PLAN - RAMPS

SFGM - COASTER 2027

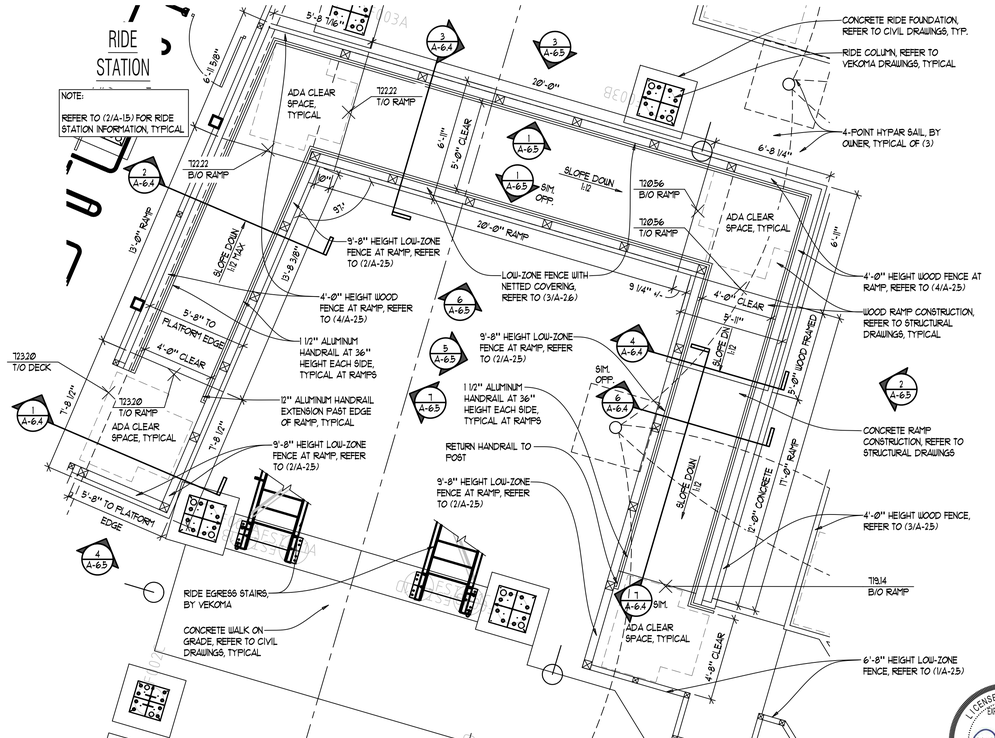
SHEET NO.
2-A-6.1

#225093-2



2 ENLARGED RAMP PLAN
SCALE: 1/4" = 1'-0"

NORTH



1 ENLARGED RAMP PLAN
SCALE: 1/4" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-21
RONALD S. LINDER
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

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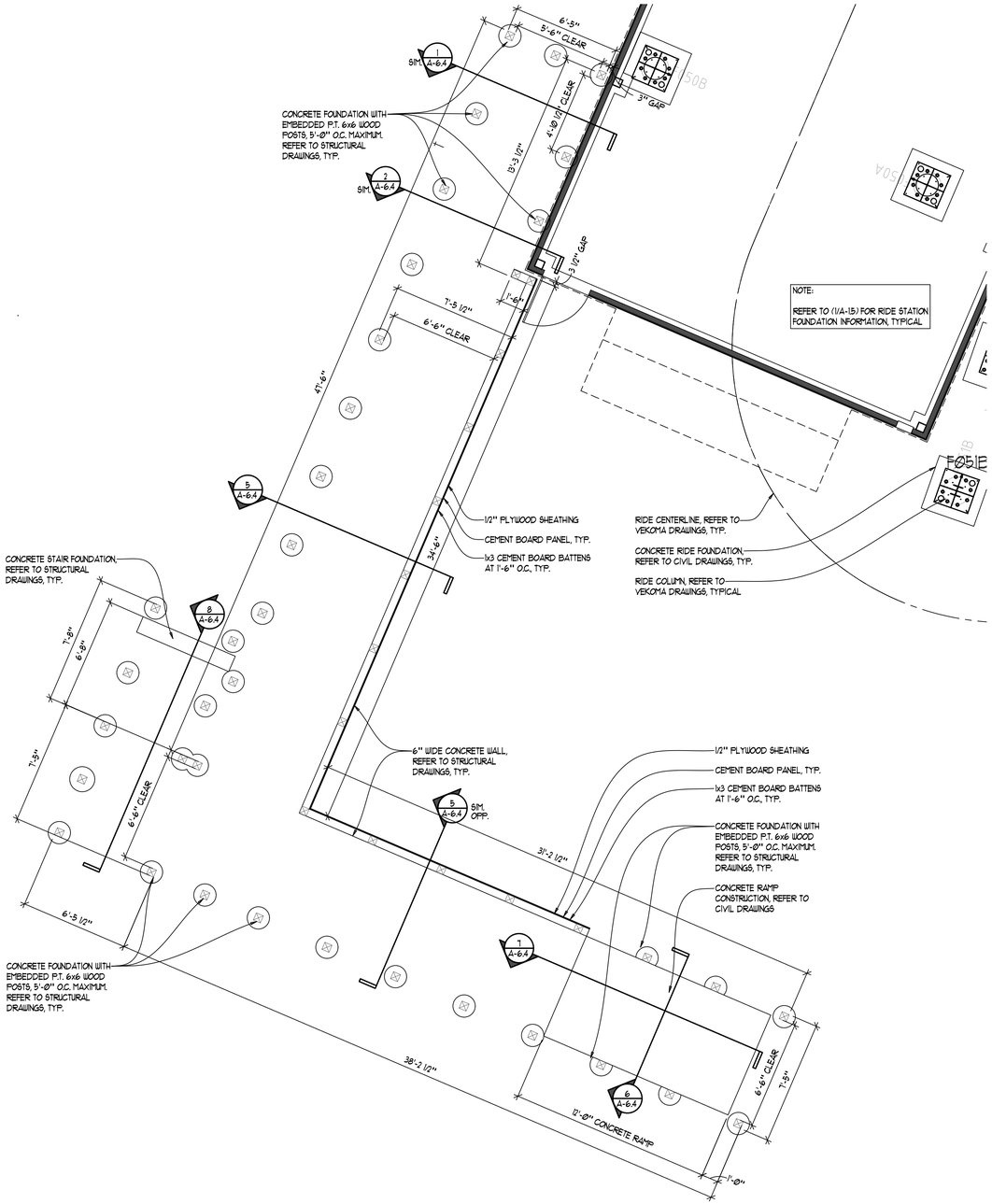
Six Flags Entertainment Corporation

ENLARGED RAMP PLANS

SFGM - COASTER 2021

SHEET NO.
2-A-6.2

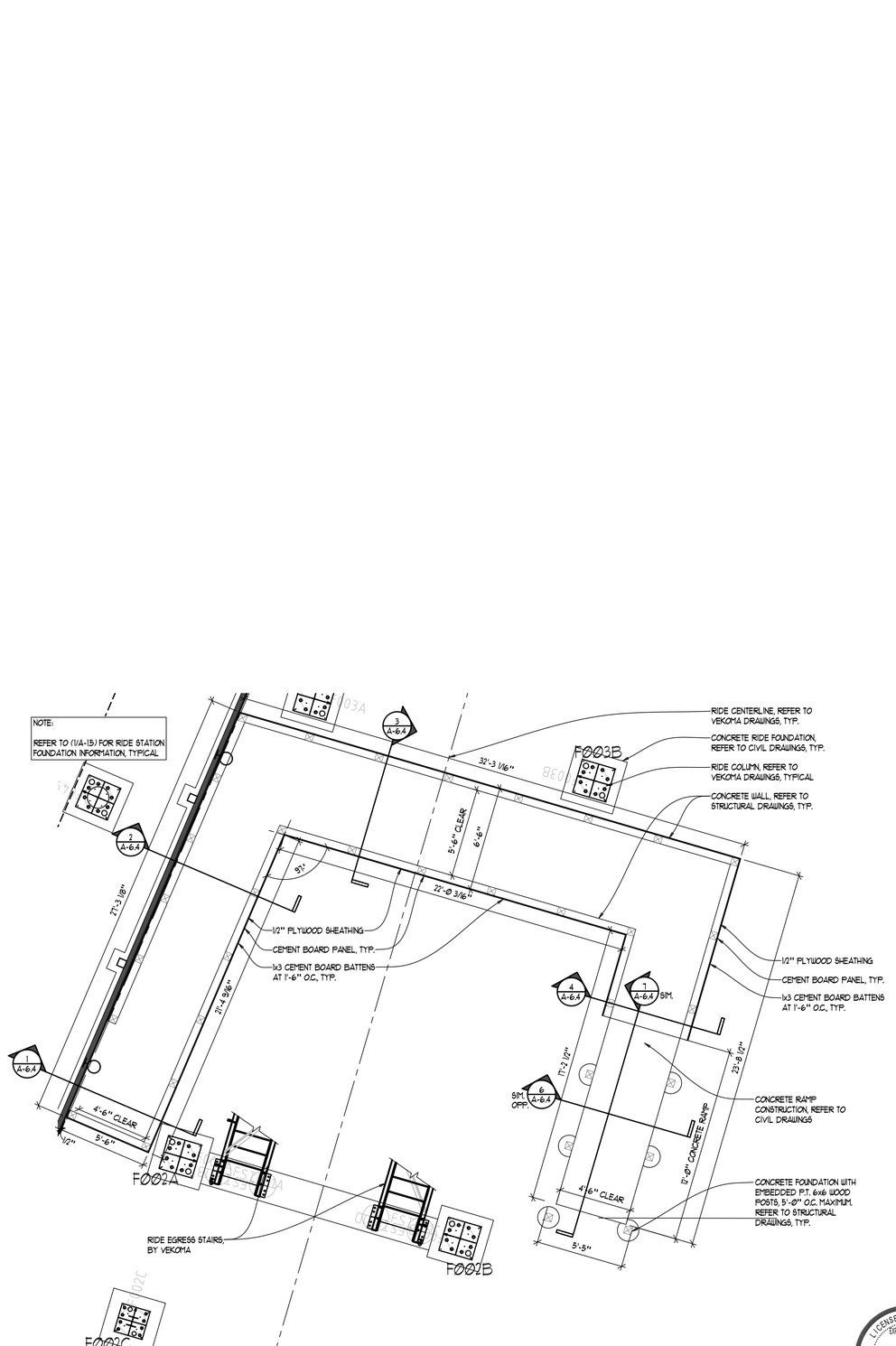
#125093-2



2 RAMP FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NORTH



1 RAMP FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-20
RICHARD STAN ROSSACH
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225093-2

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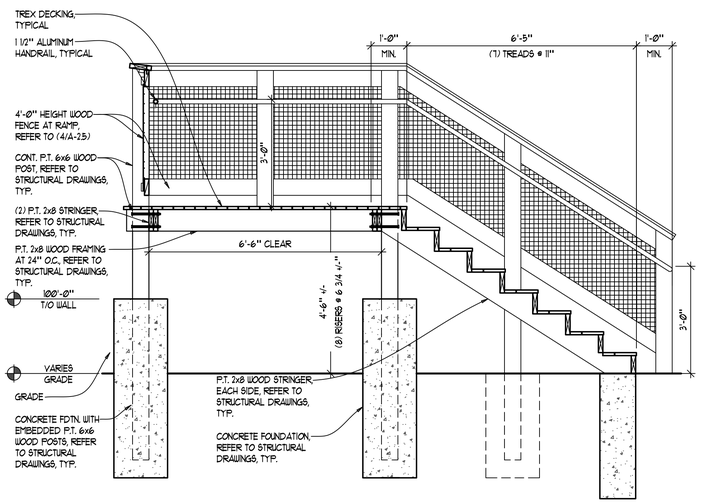
Six Flags
Entertainment Corporation

RAMP FOUNDATION PLANS

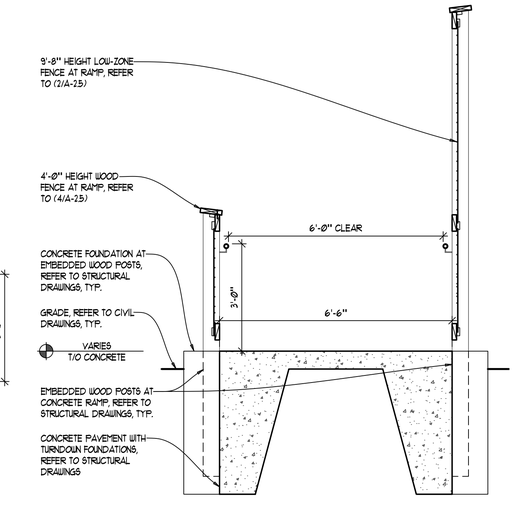
SFGM - COASTER 2021

SHEET NO.
2-A-6.3

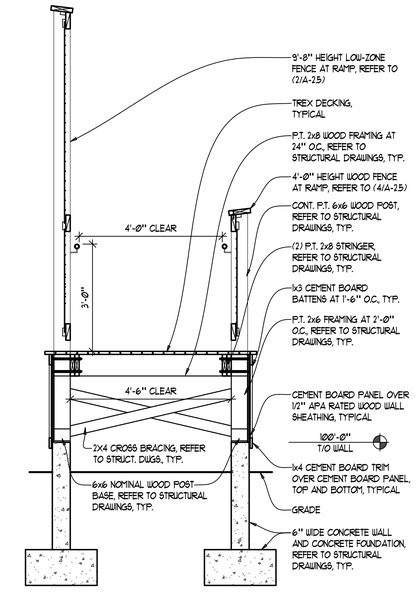
#225093-2



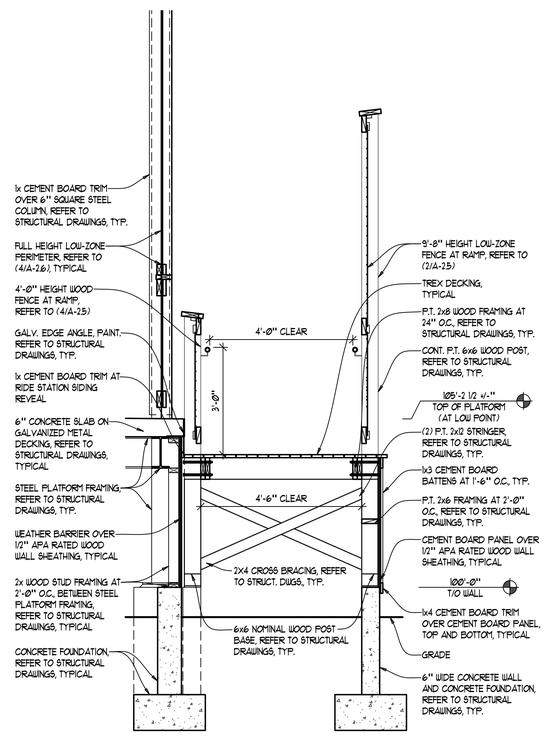
8 STAIR SECTION
SCALE: 1/2" = 1'-0"



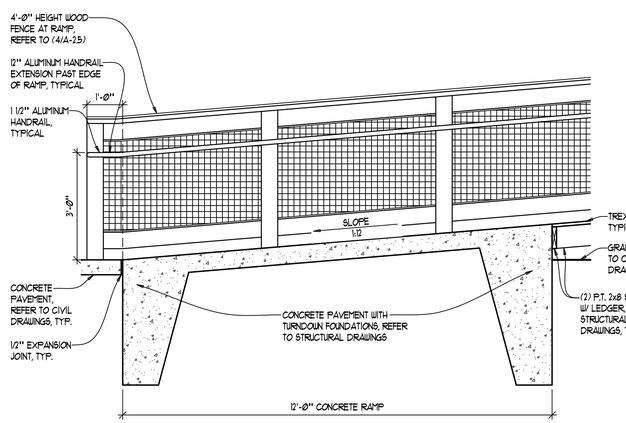
6 RAMP SECTION
SCALE: 1/2" = 1'-0"



4 RAMP SECTION
SCALE: 1/2" = 1'-0"



2 RAMP SECTION at RIDE STATION
SCALE: 1/2" = 1'-0"



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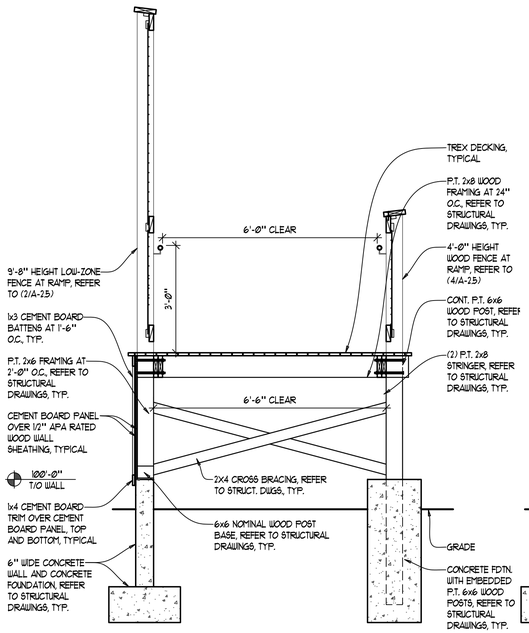

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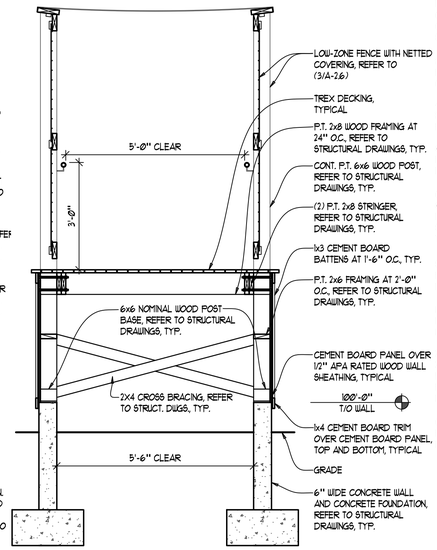

3 RAMP SECTION at NETTED COVERING
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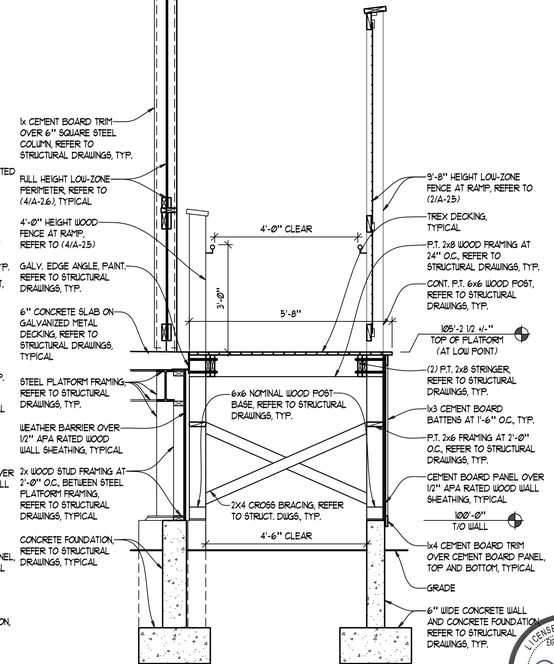

1 RAMP SECTION at RIDE STATION
SCALE: 1/2" = 1'-0"

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RAMP AND STAIR SECTIONS

SFGM - COASTER 2027

SHEET NO.
2-A-6.4

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
ROSS STANLEY RUSH
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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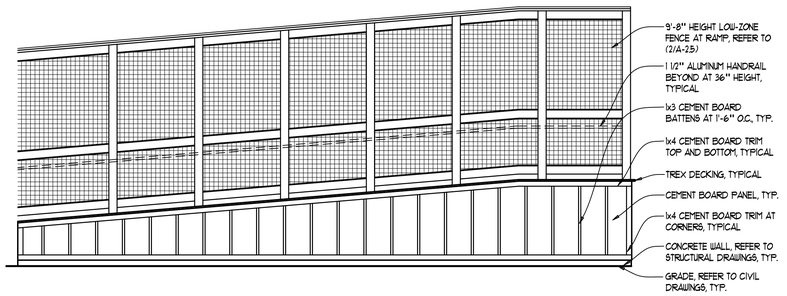
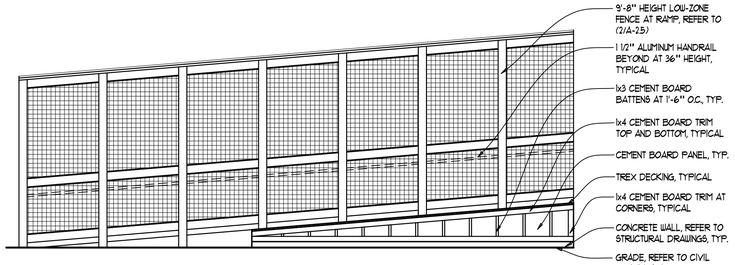
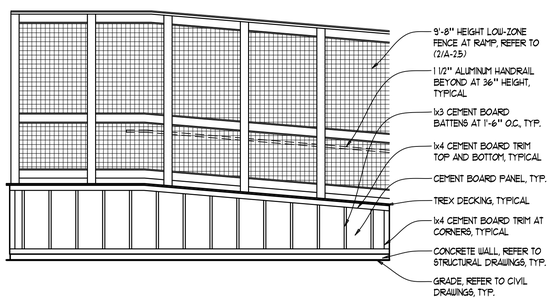
#125093-2



9 RAMP ELEVATION at RIDE STATION
SCALE: 1/4" = 1'-0"



8 RAMP ELEVATION at RIDE STATION
SCALE: 1/4" = 1'-0"



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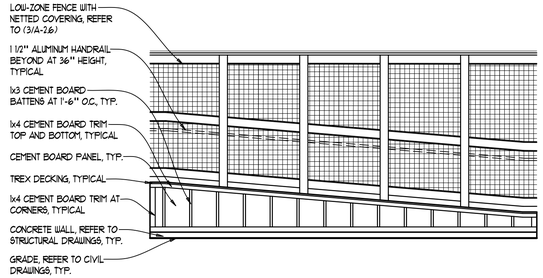

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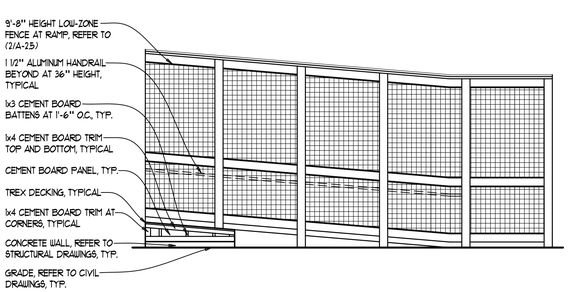
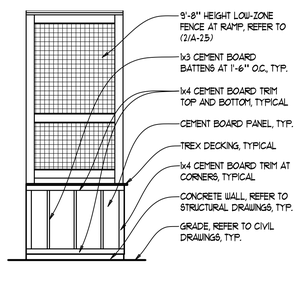
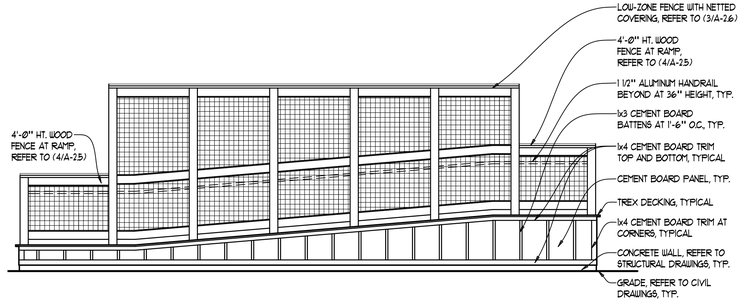
SCALE: 1/4" = 1'-0"



5 RAMP ELEVATION at RIDE STATION
SCALE: 1/4" = 1'-0"



4 RAMP ELEVATION at RIDE STATION
SCALE: 1/4" = 1'-0"



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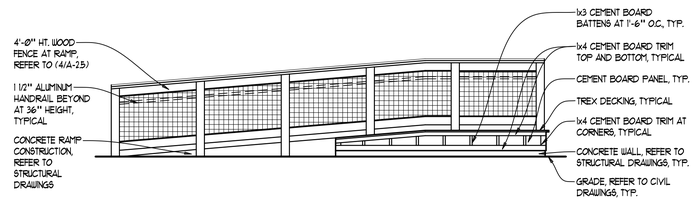

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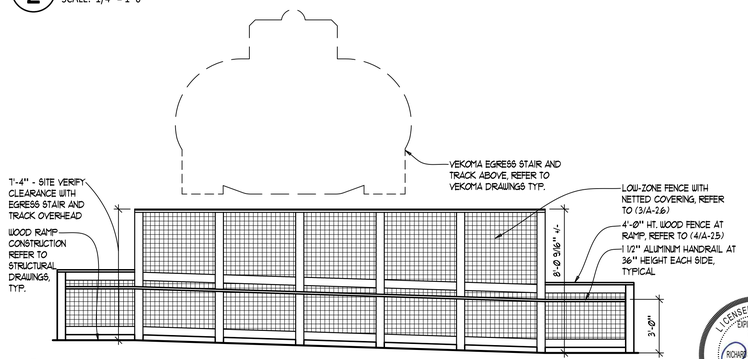

1 RAMP ELEVATION at RIDE STATION
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROMAN L. STRUZYNSKI
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-2

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags
Entertainment Corporation

RAMP ELEVATIONS

SFGM - COASTER 2021

SHEET NO.
2-A-6.5

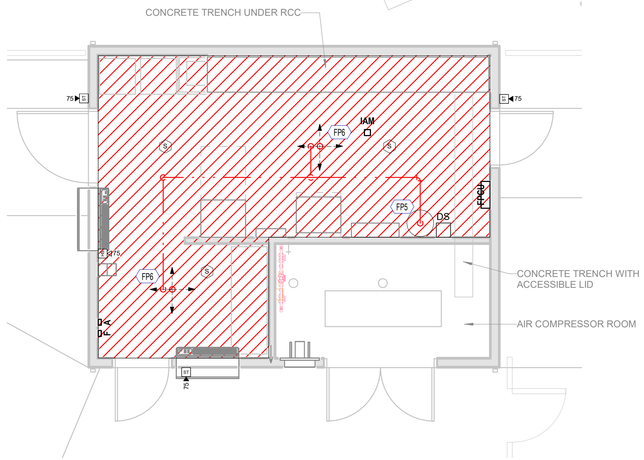
#125093-2

KEYNOTES

FP5 FK-5-1-12 CLEAN AGENT CYLINDER.

FP6 360 DEGREE CLEAN AGENT NOZZLE. NOZZLE SHALL BE SURFACE MOUNTED WITHIN 12" DOWN FROM CEILING.

21-FIRE PROTECTION SHEET LIST - PACKAGE 2	
SHEET NUMBER	**SHEET NAME**
2-FP-1.6	ELECTRIC BUILDING FIRE PROTECTION PLAN



1 / 2-FP-1.6 ELECTRICAL BUILDING FIRE PROTECTION PLAN
1/4" = 1'-0"

GENERAL FIRE PROTECTION NOTES

A. THE FIRE PROTECTION DRAWINGS ARE SCHEMATIC IN NATURE AND ARE MEANT AS A GUIDELINE. THESE PLANS WERE NOT PREPARED FOR SUBMITTAL AND APPROVAL OF THE FIRE SUPPRESSION SYSTEM.

B. THE FIRE SUPPRESSION SYSTEMS SHALL BE DESIGNED AND SIZED BY THE FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE ILLINOIS BUILDING CODE AND NFPA STANDARDS. SUBMIT DRAWINGS ALONG WITH DESIGN CALCULATIONS & FEES TO THE AUTHORITIES HAVING JURISDICTION FOR APPROVAL.

C. REFER TO BOTH THE FP SERIES DRAWINGS FOR SPECIFIC FIRE PROTECTION REQUIREMENTS. HOWEVER, THE SCOPE OF THE FIRE PROTECTION REQUIREMENTS IS NOT LIMITED TO THESE DRAWINGS. REFER TO ALL ARCHITECTURAL DRAWINGS TO BECOME FAMILIAR WITH BUILDING SECTIONS, ELEVATIONS, AND CONDITIONS.

D. DESIGN AND INSTALL A FLUORO-K (FK-5-1-12) CLEAN AGENT FIRE SUPPRESSION SYSTEM FOR THE AREAS INDICATED AND IN STRICT ACCORDANCE WITH NFPA 2001. A DESIGN AGENT CONCENTRATION OF 4.7% SHALL BE REACHED WITHIN 10-SECONDS AFTER INITIATION OF SYSTEM DISCHARGE. ALL EQUIPMENT SHALL BE UL LISTED AND/OR FM APPROVED.

E. EXERCISE SPECIAL CARE TO COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH OTHER TRADES.

F. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND CONSTRUCTION DETAILS. COORDINATE CLEAN AGENT NOZZLE LOCATIONS WITH CEILING DEVICES. OBTAIN ARCHITECTS APPROVAL OF SPRINKLER LAYOUT PRIOR TO FABRICATION OR INSTALLATION.

G. OBTAIN AND PAY FOR ALL APPLICABLE FEES AND PERMITS AND ARRANGE FOR ALL NECESSARY INSPECTIONS BY THE AUTHORITIES HAVING JURISDICTION.

FK-5-1-12 FIRE SUPPRESSION SYSTEM DEVICE LEGEND

SYSTEM DESCRIPTION AND GENERAL NOTES

FIRE PROTECTION DRAWINGS INDICATE A BASIS OF DESIGN FOR LOCATIONS AND QUANTITIES OF DEVICES, APPLIANCES, CONTROL PANELS, ETC. FIRE PROTECTION SYSTEM DESIGNER SHALL REVISE THE PLANS AS REQUIRED TO MEET ALL CODE AND PROJECT REQUIREMENTS. FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION SYSTEM DESIGNER. REFER TO SPECIFICATIONS FOR ALL DEVICE MOUNTING HEIGHTS.

CONTROL EQUIPMENT

X — *X INDICATES CONTROL EQUIPMENT TYPE*
FPCU FIRE PROTECTION CONTROL UNIT

NOTIFICATION APPLIANCES

CEILING MOUNTED CD ▷ (F) XX
WALL MOUNTED CD ▷ [F] XX

F INDICATES DEVICE DESIGNATION
H HORN ONLY
ST STROBE ONLY
HS HORN/STROBE COMBO

XX INDICATES SPECIAL FEATURES
WG WIRE GUARD
WP WEATHERPROOF

CD INDICATES CANDELA RATING
IF NOT SHOWN, DEVICE SHALL BE PROVIDED AT 75CD.

INITIATING DEVICES

INPUT DEVICE X
DETECTOR (Y)a

X INDICATES INPUT DEVICE TYPE
A ABORT BUTTON
F MANUAL PULL STATION
IAM INPUT ADDRESSABLE MODULE
DS DISCONNECT SWITCH

Y INDICATES DETECTOR TYPE
S SMOKE DETECTOR

FIRE ZONE LEGEND

FIRE ZONE: THIS AREA SHALL BE PROTECTED BY AN FK-5-1-12 CLEAN AGENT FIRE SUPPRESSION SYSTEM.

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Date Signed: 06-05-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CMM

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRIC BUILDING FIRE PROTECTION PLAN
SFGM - COASTER 2027

SHEET NO.
2-FP-1.6

2025122.01

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1" REFERENCE LINE

6/4/2026 2:19:14 PM

22-BACKFLOW PREVENTION SCHEDULE					
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN			
		MANUFACTURER	MODEL	SIZE	ASSE #
RPBFP-1	REDUCED PRESSURE ZONE BACKFLOW ASSEMBLY - ELECTRIC BUILDING/RIDE STATION	WATTS	LF009	1"	1013

22-HYDRANT SCHEDULE				
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN		CONNECTION SIZE
		MANUFACTURER	MODEL	COLD WATER
HB-1	UTILITY HOSE BIBB	ZURN	Z1341-XL	<varies>

22-AIR COMPRESSOR SCHEDULE					
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN		PERFORMANCE	
		MANUFACTURER	MODEL	FLUID TYPE	NOTES
AC-1	AIR COMPRESSOR	BY OTHERS	BY OTHERS	AIR	1, 2

NOTES

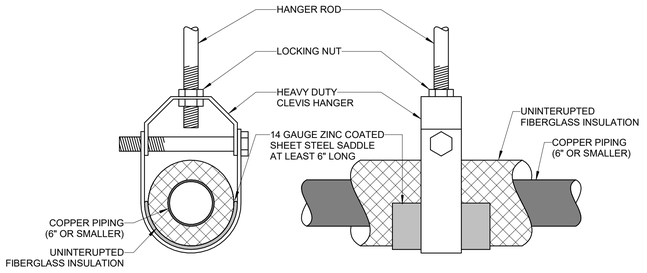
1. PROVIDED BY RIDE MANUFACTURER INSTALLED BY CONTRACTOR.
2. REFER TO RIDE MANUFACTURER'S DESIGN AND INSTALLATION MANUAL FOR REQUIREMENTS.

22-DRAINAGE FIXTURE SCHEDULE					
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN		CONNECTION SIZES	
		MANUFACTURER	MODEL	DRAIN	P - TRAP
FD-1	FLOOR DRAIN	SIOUX CHIEF	842-3PNR	3"	3"

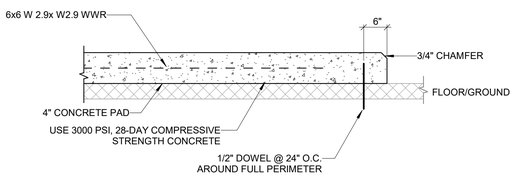
22-COMPRESSED AIR RECEIVER TANK SCHEDULE					
TYPE LABEL	BASIS OF DESIGN	FLUID TYPE	MAX DESIGN PRESSURE	TANK SIZE	NOTES
	MANUFACTURER				
CAT-2	BY OTHERS	AIR	150 PSI	20 L	1, 2

NOTES

1. PROVIDED BY RIDE MANUFACTURER INSTALLED BY CONTRACTOR.
2. REFER TO RIDE MANUFACTURER'S DESIGN AND INSTALLATION MANUAL FOR REQUIREMENTS AND SCHEMATIC DETAIL 1/P-0.1.

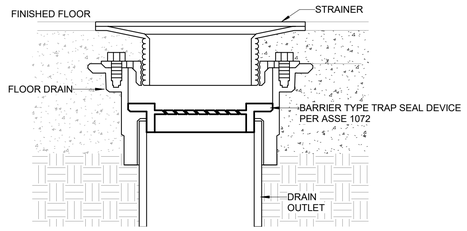


4 2-P-0.0 PIPE HANGER (6" AND SMALLER)

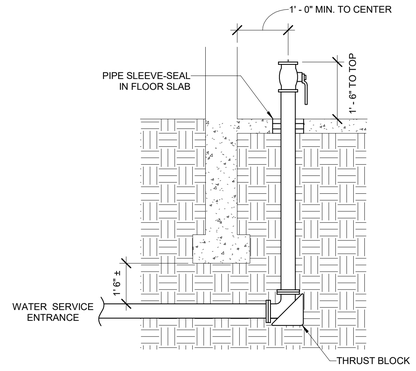


5 2-P-0.0 CONCRETE EQUIPMENT PAD DETAIL

22-PLUMBING SHEET LIST - PACKAGE 2	
SHEET NUMBER	SHEET NAME
2-P-0.0	PLUMBING SCHEDULES AND LEGENDS
2-P-1.5	RIDE STATION PLUMBING PLAN
2-P-1.6	ELECTRIC BUILDING PLUMBING PLAN
2-P-1.7	PLUMBING ISOMETRICS

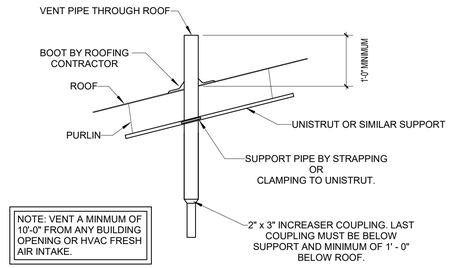


1 2-P-0.0 BARRIER TYPE TRAP SEAL

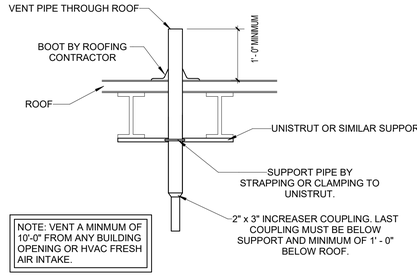


2 2-P-0.0 WATER SERVICE ENTRANCE

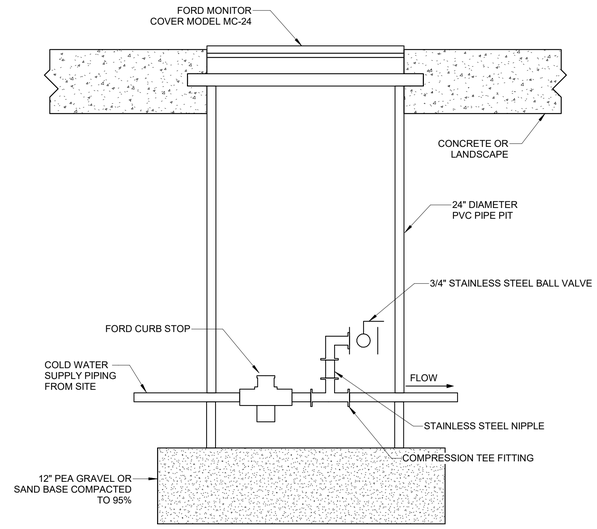
VENT THROUGH SLOPED ROOF



VENT THROUGH FLAT ROOF



3 2-P-0.0 PLUMBING VENT DETAIL



6 2-P-0.0 WINTERIZATION / BLOW DOWN PIT DETAIL

SYMBOLS AND ABBREVIATIONS LEGEND
(THERE MAY BE SYMBOLS LISTED IN THIS LEGEND THAT ARE NOT USED IN THIS SET OF DRAWINGS)

PIPE TAG LEGEND

4" - C
PIPE SIZE (DIA.) — PIPE SYSTEM TYPE

ABBR	DESCRIPTION
C	DOMESTIC COLD WATER
S	SANITARY
V	VENT
ST	STORM PIPING
F	FIRE PROTECTION
CA	COMPRESSED AIR

	BALL VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	CIRCUIT BALANCING VALVE
	PIPE CONTINUES
FCO	FLOOR CLEANOUT
GCO	GRADE CLEANOUT
FD-#	FLOOR DRAIN
	PIPE TURNING UP
	PIPE TURNING DOWN
POC	POINT OF CONNECTION
?	KEYNOTE NOTE

GENERAL PLUMBING NOTES

A. "GENERAL NOTES" APPLY TO ALL P SERIES DRAWINGS ISSUED FOR THIS PROJECT. "DRAWING NOTES" APPLY ONLY TO THE SHEETS ON WHICH THEY APPEAR.

B. ALL WORK SHALL BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES AND OTHER AUTHORITIES HAVING JURISDICTION.

C. COORDINATE WITH WORK OF OTHER TRADES TO AVOID INTERFERENCES BEFORE BEGINNING WORK.

D. COORDINATE ALL COLUMN PAD ELEVATIONS, INTERIOR AND EXTERIOR FOUNDATION FOOTINGS WHICH REQUIRE PIPE SLEEVES OR LOWERING TO ACCOMODATE PLUMBING INVERTS PRIOR TO BEGINNING WORK.

E. IN GENERAL, THE P SERIES DRAWING FORMAT IS AS FOLLOWS: SANITARY WASTE PIPING IS LOCATED BELOW THE FLOOR WHEN SHOWN DASHED AND ABOVE THE FLOOR WHEN SHOWN SOLID. INVERT AND CENTERLINE ELEVATIONS AS WELL AS OTHER NOTED INFORMATION MAY BE PROVIDED FOR CLARIFICATION.

F. INSTALL PIPING IN PIPE CHASES, ABOVE CEILINGS AND IN WALLS. INSTALL HORIZONTAL MAINS AND BRANCHES AS HIGH AS PRACTICAL. MAKE OFFSETS IN PIPING TO AVOID INTERFERENCE WITH WORK OF OTHER TRADES WHETHER SHOWN ON DRAWINGS OR NOT. DO NOT INSTALL LIQUID CARRYING PIPING IN OUTSIDE WALLS, ATTIC SPACES OR ANY OTHER AREAS SUBJECT TO FREEZING TEMPERATURES.

G. INSTALL VALVES IN ACCESSIBLE LOCATIONS AND IN SUCH A MANNER AS TO BE EASY TO OPERATE. PROVIDE ACCESS PANELS FOR VALVES INSTALLED IN CONCEALED SPACES SUCH AS ABOVE PERMANENT CEILINGS AND IN OR BEHIND WALLS.

H. PROVIDE ACCESS PANELS FOR ALL EQUIPMENT AND SPECIALTIES SUCH AS WATER HAMMER ARRESTERS OR OTHER DEVICES WHICH MAY REQUIRE ACCESS FOR MAINTENANCE AND OPERATION.

I. REFER TO SANITARY WASTE AND VENT DIAGRAMS, PIPING SYSTEM SCHEMATICS AND OTHER DETAILS PROVIDED FOR ARRANGEMENT OF PIPING AND FOR SIZES NOT SHOWN ON PLANS. THE STACK DIAGRAMS DO NOT SHOW THE TYPE OF FITTINGS REQUIRED AT ALL CONNECTIONS. CONTRACTOR SHALL REFER TO THE LOCAL CODES AND SPECIFICATIONS.

J. FLOOR DRAIN TRAPS, FLOOR SINK TRAPS, HUB DRAIN TRAPS, AND OTHER TRAPS SHALL HAVE A BARRIER TYPE TRAP SEAL PROTECTION DEVICE PER ASSE 1072 AND SIZED PER DRAIN SIZE. REFER TO DETAIL 1/2-P-0.0.

K. PROVIDE PLUMBING CONNECTIONS FOR FIXTURES PROVIDED BY OTHERS.

L. COORDINATE THE EXACT LOCATIONS OF ALL FLOOR DRAINS ASSOCIATED WITH MECHANICAL EQUIPMENT WITH THE HVAC CONTRACTOR BEFORE BEGINNING WORK.

M. SLOPE ALL GRAVITY PIPING OF SIZES 3" DIAMETER AND LARGER AT 1/8"/FT. MINIMUM, AND SIZES 2-1/2" DIAMETER AND SMALLER AT 1/4"/FT MINIMUM WHERE NOT OTHERWISE INDICATED.

N. PLUMBING SCHEDULES IDENTIFY THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS.

GENERAL PNEUMATIC SYSTEM NOTES

A. REFER TO VEKOMA DRAWINGS FOR DETAILED RIDE CONSTRUCTION INFORMATION AND FOR INFORMATION SPECIFIC TO COMPRESSED AIR/PNEUMATIC COMPONENTS.

B. ALL PIPE ROUTING AND COMPONENT INSTALLATION SHALL BE CLOSELY COORDINATED WITH RIDE STRUCTURE AND REQUIRED OPERATING/SAFETY CLEARANCES. PIPING AND EQUIPMENT INSTALLATION LOCATIONS SHALL BE APPROVED BY OWNER. INSTALLATION RESULTING IN MAINTENANCE HARDSHIPS, COMPROMISED PERFORMANCE, CONFLICT WITH OTHER TRADES, OR AESTHETICALLY UNACCEPTABLE CONDITIONS SHALL BE REWORKED BY THE PC AT NO ADDITIONAL COST TO THE OWNER.

C. PIPING AND PNEUMATIC CONTROLS EQUIPMENT SHALL BE INSTALLED ON RIDE STRUCTURE USING UNISTRUT, U-BOLTS, AND RIGID BRACKETS AS REQUIRED. ALL MOUNTING HARDWARE SHALL BE GALVANIZED STEEL. NO STRUCTURAL PENETRATIONS OR WELDS SHALL BE MADE WITHOUT SPECIFIC WRITTEN APPROVAL BY THE OWNER.

D. COORDINATE FINAL ROUTINGS WITH G.C. INSTALL SERVICES PARALLEL AND MOUNT ON COMMON UNISTRUT OR BRACKETS WHEREVER POSSIBLE.

E. ANY INSTALLATION RESULTING IN HAZARDOUS CONDITIONS FOR RIDERS, OPERATORS, OR MAINTENANCE PERSONNEL IS UNACCEPTABLE.

F. PROVIDE FULL-SIZE DRAIN VALVES AT ALL LOW POINTS IN THE COMPRESSED AIR PIPING SYSTEMS AND AT COMPRESSORS AND AIR TANKS.

G. INSTALL QUICK CONNECT FITTINGS WHERE REQUIRED FOR GENERAL MAINTENANCE. REFER TO PLANS AND DIAGRAMS. FINAL QUANTITIES AND LOCATIONS TO BE APPROVED BY OWNER. ALL LOCATIONS MAY NOT BE SHOWN ON DRAWINGS.

H. GALVANIZED PIPE AND FITTINGS SHALL BE USED FOR ALL ABOVEGROUND PIPE ROUTING, EXCEPT FINAL CONNECTIONS, AND ROUTING THROUGH CABLE WAYS, WHERE FLEXIBLE HOSE IS ACCEPTABLE. TYPE 'K' COPPER AND FITTINGS SHALL BE USED FOR ALL BELOWGROUND PIPE ROUTING. REFER TO SPECIFICATIONS.

I. WHEN POSSIBLE AND AVAILABLE INSTALL ALL SUPPORTS FOR PNEUMATIC SYSTEM TO THE RELATED STRUCTURE ON GROUND-LEVEL AS MUCH AS AVAILABLE.

J. INSTALL PNEUMATIC PLATES, PNEUMATIC AIR TANKS AND HOSES FROM EQUIPMENT (BRAKES, BOOSTERS, ETC) TO PNEUMATIC PLATES AS PER DRAWING. PNEUMATIC PIPES WILL BE DELIVERED IN STANDARD LENGTHS AND NEED TO BE CUT AND ADJUSTED ON SITE TO MATCH THE SITUATION.

K. ALL COMPRESSED AIR PIPING AND PNEUMATIC TUBING AND EQUIPMENT SHALL BE PROVIDED BY VEKOMA AND INSTALLED BY THE P.C.

L. ALL CONDUITS REQUIRED FOR COMPRESSED AIR PIPING AND PNEUMATIC TUBING SHALL BE PROVIDED AND INSTALLED BY THE P.C.

SAMUEL H. BOHMAN
062-07877
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Date Signed: 06-05-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.8112

SCALE: As Indicated
DATE: 06-05-2026
DRAWN BY: CMM

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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PLUMBING SCHEDULES AND LEGENDS
SFGM - COASTER 2027

SHEET NO.
2-P-0.0

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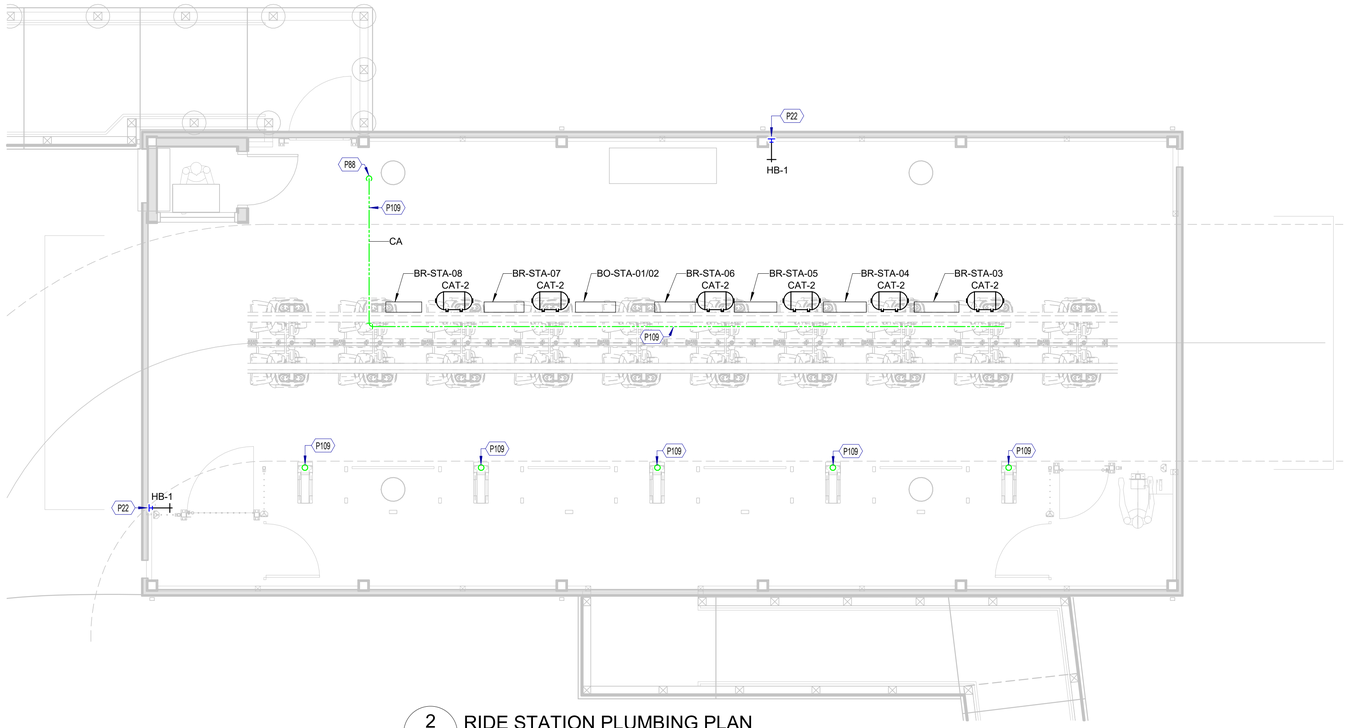
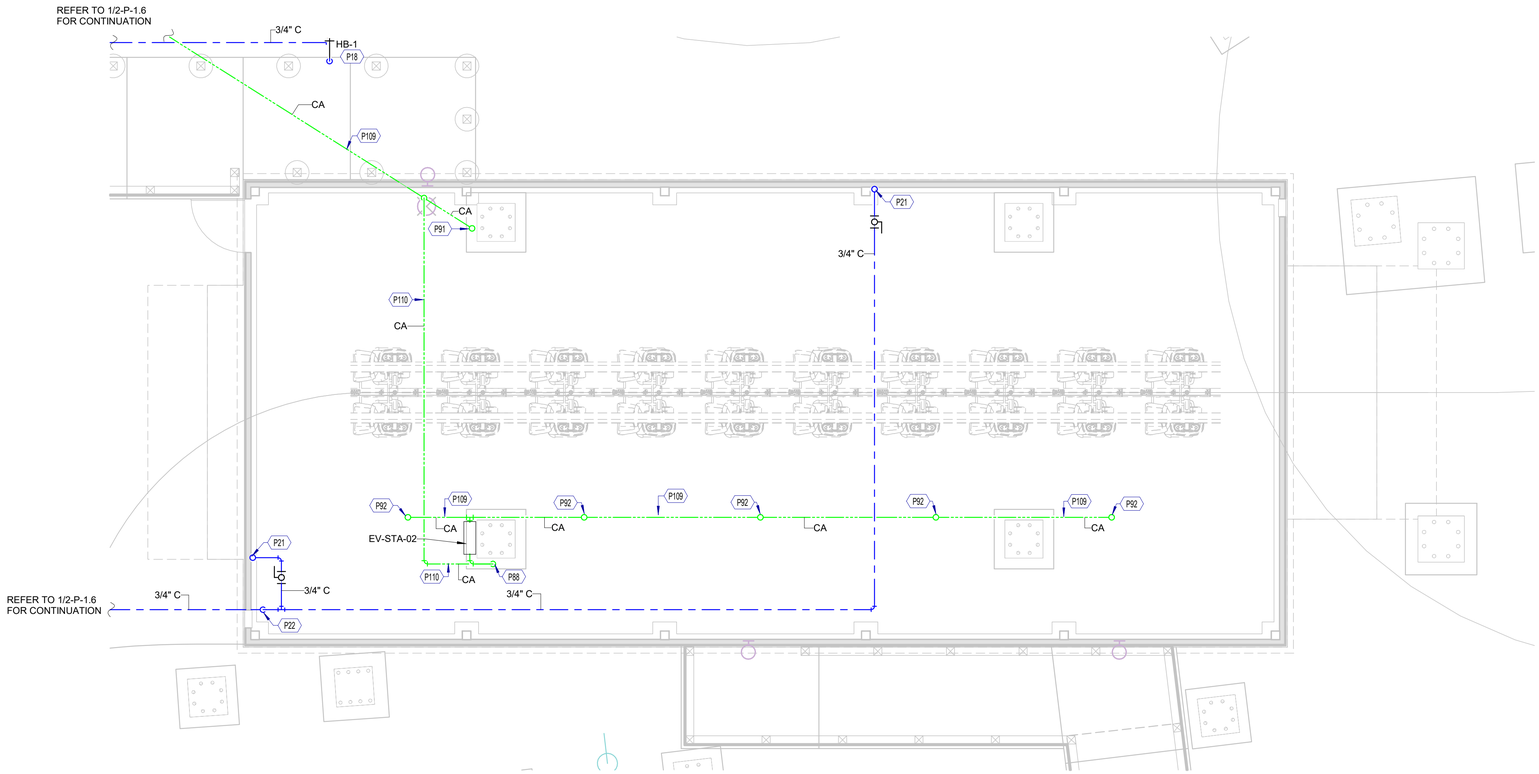


2 RIDE STATION PLUMBING PLAN
2-P-1.5 1/4" = 1'-0"



1 RIDE STATION FOUNDATION PLUMBING PLAN
2-P-1.5 1/4" = 1'-0"

SPECIAL NOTES - COASTER

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR EXACT COMPRESSED AIR AND PNEUMATIC REQUIREMENTS PRIOR TO INSTALLATION.

KEYNOTES

P18	PROVIDE 3/4" COLD WATER CONNECTION TO SERVE HB-1. COORDINATE HB-1 LOCATION AND MOUNTING REQUIREMENTS WITH OWNER.
P21	SUPPLY UP.
P22	SUPPLY DOWN.
P88	COMPRESSED AIR PIPING DOWN.
P91	COMPRESSED AIR PIPING UP & DOWN.
P92	COMPRESSED AIR PIPING UP.
P109	CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL COMPRESSED AIR AND PNEUMATIC PIPING AND EQUIPMENT. PIPING AND EQUIPMENT SHALL BE PROVIDED BY RIDE MANUFACTURER (VEKOMA). REFER TO VEKOMA'S INSTALLATION MANUALS, SPECFICATIONS, AND DESIGN DOCUMENTATION FOR ALL INSTALLATION REQUIREMENTS.
P110	COMPRESSED AIR PIPING SHALL BE INSTALLED BELOW GRADE IN CONCRETE TRENCH AND IN ACCORDANCE WITH VEKOMA'S REQUIREMENTS.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS
Date Signed: 06-05-2026
License Expires: 11-30-2027

SHP
315 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: 1/4" = 1'-0"
DATE: 06-05-2026
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REVISION	DESCRIPTION

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8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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RIDE STATION PLUMBING PLAN

SFGM - COASTER 2027

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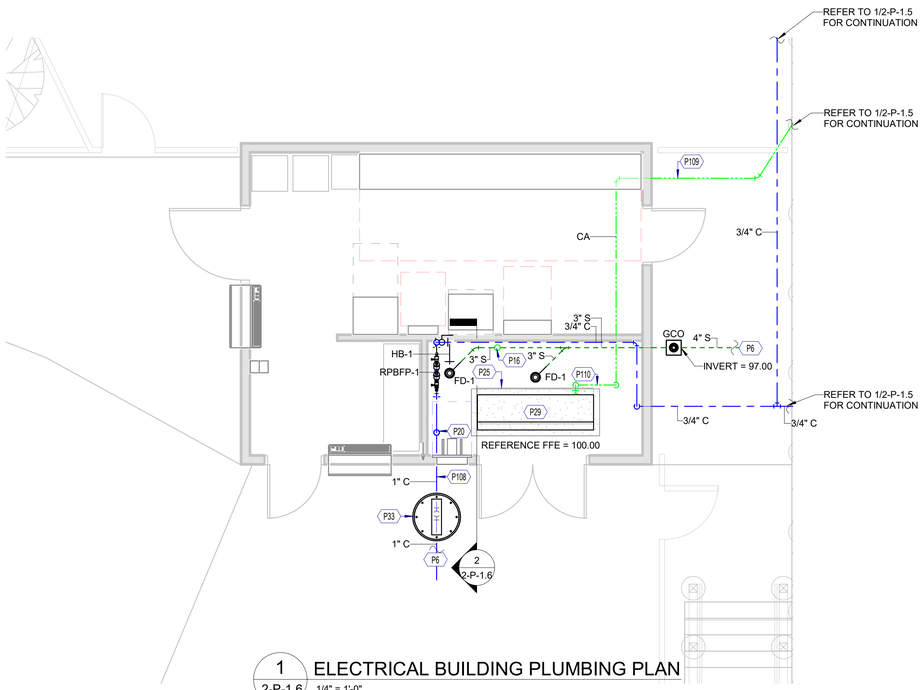
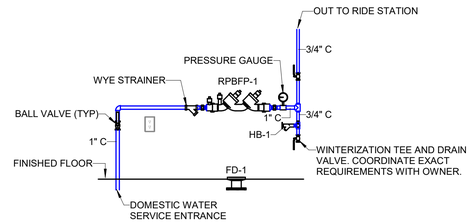
KEYNOTES

P6	EXTEND PIPING FIVE FEET OUTSIDE BUILDING/RIDE FOUNDATION AND PROVIDE FINAL CONNECTION TO SITE UTILITIES. REFER TO CIVIL PLANS FOR CONTINUATION.
P16	3" VENT THRU ROOF. REFER TO DETAIL 3/2-P-0.0.
P20	DOMESTIC WATER SERVICE ENTRANCE. REFER TO DETAIL 2/2-P-0.0.
P25	EQUIPMENT TO BE INSTALLED ON CONCRETE EQUIPMENT PAD. REFER TO DETAIL 5/2-P-0.0.
P29	AIR COMPRESSOR SYSTEM. REFER TO VEKOMA'S INSTALLATION MANUALS, SPECFICATIONS, AND DESIGN DOCUMENTATION FOR ALL INSTALLATION REQUIREMENTS.
P33	PROVIDE & INSTALL BLOWDOWN/ WINTERIZATION PIT. REFER TO DETAIL 6/2-P-0.0.
P108	SUPPLY PIPING FROM BLOW DOWN PIT TO BACKFLOW PREVENTER SHALL BE ADS POTABLE WATER SERVICE TUBING.
P109	CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL COMPRESSED AIR AND PNEUMATIC PIPING AND EQUIPMENT. PIPING AND EQUIPMENT SHALL BE PROVIDED BY RIDE MANUFACTURER (VEKOMA). REFER TO VEKOMA'S INSTALLATION MANUALS, SPECFICATIONS, AND DESIGN DOCUMENTATION FOR ALL INSTALLATION REQUIREMENTS.
P110	COMPRESSED AIR PIPING SHALL BE INSTALLED BELOW GRADE IN CONCRETE TRENCH AND IN ACCORDANCE WITH VEKOMA'S REQUIREMENTS.



1 2-P-1.6 ELECTRICAL BUILDING PLUMBING PLAN
1/4" = 1'-0"



2 2-P-1.6 WATER SERVICE ENTRANCE SECTION
1/2" = 1'-0"

SPECIAL NOTES - COASTER

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR EXACT COMPRESSED AIR AND PNEUMATIC REQUIREMENTS PRIOR TO INSTALLATION.

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SAMUEL H. BOHMAN
062-07877
STATE OF ILLINOIS
Date Signed: 06-05-2026
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SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.8112

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8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
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ELECTRIC BUILDING PLUMBING PLAN

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2-P-1.6

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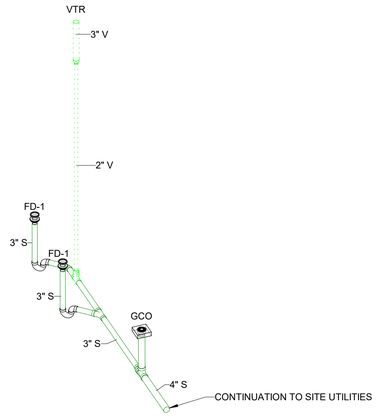
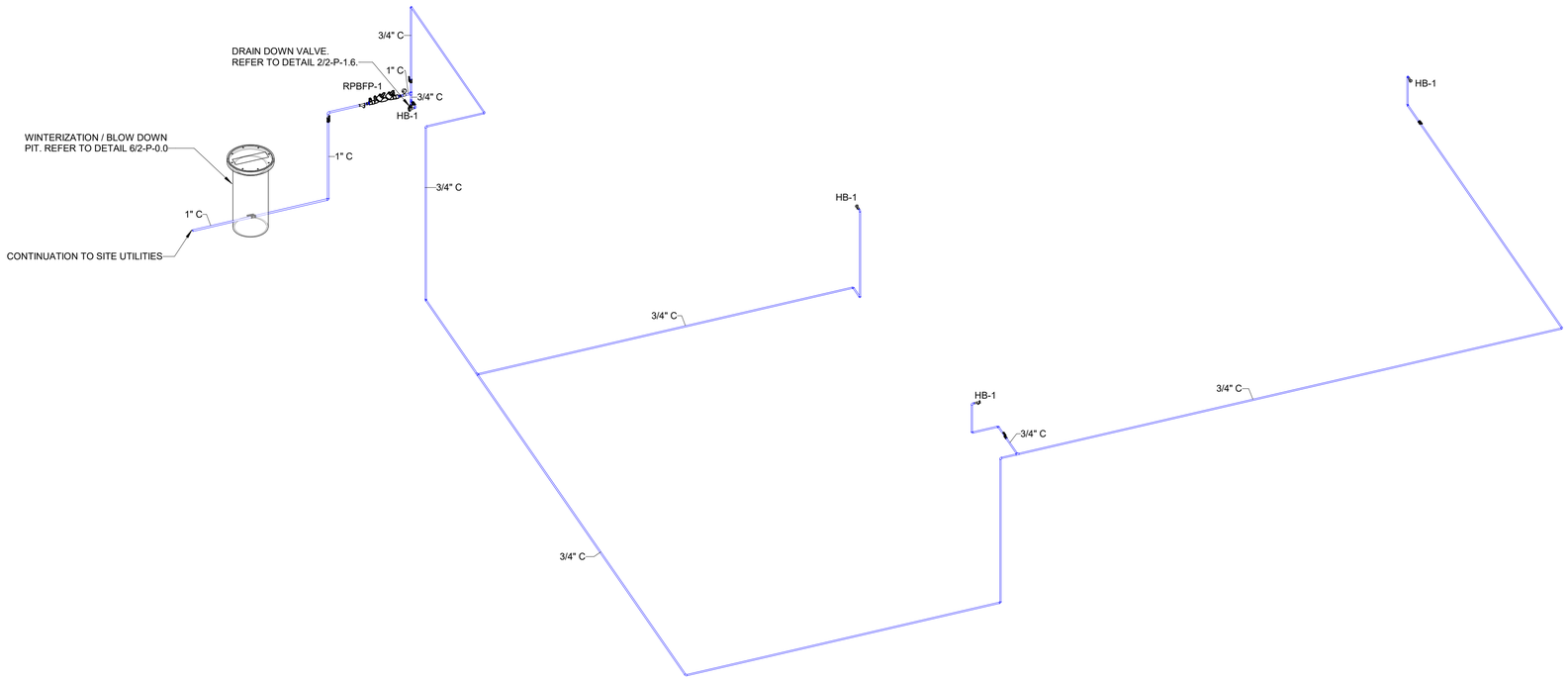


1 / 2-P-1.7 PLUMBING WASTE AND VENT PIPING ISOMETRIC



2 / 2-P-1.7 PLUMBING SUPPLY PIPING ISOMETRIC

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

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SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

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8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
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PLUMBING ISOMETRICS

SFGM - COASTER 2027

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23-PACKAGED TERMINAL AIR CONDITIONING SCHEDULE												
			COOLING	HEATING			ELECTRICAL CHARACTERISTICS					
MARK	MANUFACTURER	MODEL	CAPACITY	CAPACITY	AIRFLOW	EER	AMPS	MOCP	Ø	VOLTAGE	NOTES
PTAC-1	FRIEDRICH	PDE15K5SG	14200.0 Btu/h	13900.0 Btu/h	390 CFM	10.4	19.7 A	30.0 A	1	208 V	1
PTAC-2	FRIEDRICH	PDE15K5SG	14200.0 Btu/h	13900.0 Btu/h	390 CFM	10.4	19.7 A	30.0 A	1	208 V	1
PTAC-3	FRIEDRICH	PDE15K5SG	14200.0 Btu/h	13900.0 Btu/h	390 CFM	10.4	19.7 A	30.0 A	1	208 V	1

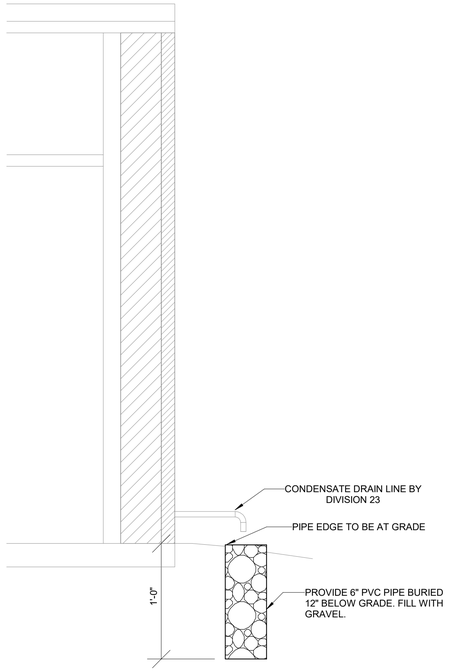
NOTES:

1. MANUFACTURER TO PROVIDE INTEGRAL THERMOSTAT, ARCHITECTURAL LOUVER, AND WALL SLEEVE, EXTERNAL CONDENSATE DRAIN KIT, POWER CORD, AND LOUVERED RETURN AIR/ACCESS DOOR. 75 CFM VENTILATION AIR.

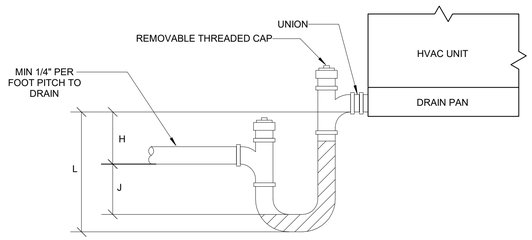
23-EXHAUST FAN SCHEDULE												
			EXHAUST FAN				ELECTRICAL CHARACTERISTICS					
MARK	MANUFACTURER	MODEL	TYPE	AIRFLOW	ESP	RPM	HP	AMPS	MOCP	Ø	VOLTAGE	NOTES
EF-1	GREENHECK	AER-20-03-0610-VG	SIDE-WALL EXHAUST	825 CFM	0.25 in-wg	882	0.25	4.8 A	15.0 A	1	115 V	ALL

NOTES:

1. MANUFACTURER TO PROVIDE LINE VOLTAGE THERMOSTAT. MODULATE FAN TO MAINTAIN 80°F.
2. MANUFACTURER TO PROVIDE WEATHER HOOD, AND OSHA COMPLIANT PROTECTION.



1 2-M-0.0 FRENCH DRAIN - FROM BUILDING



NOTES:

1. PROVIDE CONDENSATE TRAP FOR ALL COOLING COILS.
2. CONDENSATE PIPE SIZE SHOULD MATCH UNIT CONDENSATE CONNECTION SIZE.

DRAIN PAN TRAPPING FOR SECTION UNDER NEGATIVE PRESSURE

L = H + J + PIPE DIAMETER WHERE:
H = 1 INCH FOR EACH INCH OF NEGATIVE PRESSURE PLUS 1 INCH
J = 1/2 H

DRAIN PAN TRAPPING FOR SECTION UNDER POSITIVE PRESSURE

L = H + J + PIPE DIAMETER WHERE:
H = 1/2 INCH (MINIMUM)
J = 1/2 INCH PLUS THE UNIT POSITIVE STATIC PRESSURE AT COIL DISCHARGE (LOADED FILTERS)

2 2-M-0.0 CONDENSATE TRAP PIPING

23-HVAC SHEET LIST	
SHEET NUMBER	SHEET NAME
2-M-0.0	MECHANICAL SCHEDULES AND LEGENDS
2-M-1.0	HVAC PLAN
2-M-2.0	ELECTRIC BUILDING - COMCHECK
2-M-2.1	ELECTRIC BUILDING - COMCHECK
2-M-2.2	RIDE OPERATOR BOOTH - COMCHECK
2-M-2.3	RIDE OPERATOR BOOTH - COMCHECK

ABBREVATIONS

ACU	AIR CONDITIONING UNIT
ACH	AIR CHANGES PER HOUR
ACM	ASBESTOS CONTAINING MATERIAL
AFUE	ANNUAL FUEL EFFICIENCY RATIO
AHU	AIR HANDLING UNIT
B	BOILER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS / HOUR
CAV	CONSTANT AIR VOLUME
CDD	COOLING DEGREE DAYS
CFC	CHLOROFLUOROCARBON
CFM	CUBIC FEET PER MINUTE
COP	COEFFICIENT OF PERFORMANCE
CRAC	COMPUTER ROOM AIR CONDITIONER
CV	CONSTANT VOLUME
DA	DISCHARGE AIR
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DDC	DIRECT DIGITAL CONTROL
DH	DUCT HEATER
DP	DIFFERENTIAL PRESSURE
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
ECM	ELECTRONICALLY COMMUTATED MOTOR
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EH	ELECTRIC HEATER
EMS	ENERGY MANAGEMENT SYSTEM
ESCO	ENERGY SERVICE COMPANY
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FMS	FACILITY MANAGEMENT SYSTEM
FPM	FEET PER MINUTE
FW	FEED WATER
GPM	GALLONS PER MINUTE
GUI	GRAPHICAL USER INTERFACE
HCFC	HYDROCHLOROCFUOROCARBON
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTING
HFC	HYDROFLUOROCARBON
HHV	HIGHER HEATING VALUE
HL	HIGH LIMIT
HPS	HIGH PRESSURE STEAM
HR	HEAT RECOVERY
HRU	HEAT RECOVERY UNIT
HRV	HEAT RECOVERY VENTILATOR
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HVAC	HEATING VENTILATION AND AIR CONDITIONING
I/O	INPUT OUTPUT
IAQ	INDOOR AIR QUALITY
LAT	LEAVING AIR TEMPERATURE
LHV	LOWER HEATING VALUE
LL	LOW LIMIT
LON	LOCAL OPERATING NETWORK
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LWBT	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M&V	MEASUREMENT AND VERIFICATION
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MCC	MOTOR CONTROL CENTER
MUA	MAKE-UP AIR UNIT
MX	METRIX UTILITY ACCOUNTING SYSTEM
MZ	MULTI-ZONE
NC	NORMALLY CLOSED
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
OA	OUTSIDE AIR
OAP	OUTSIDE AIR PERCENTAGE
OAT	OUTSIDE AIR TEMPERATURE
ODP	OPEN DRIP PROOF
OWS	OPERATOR WORK STATION
PC	PERFORMANCE CONTRACTING
PE	PROFESSIONAL ENGINEER
PH	PRE-HEAT
PID	PROPORTIONAL INTEGRAL DERIVATIVE
PRV	PRESSURE RELIEF VALVE
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RF	RETURN FAN
RH	REHEAT
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RTD	RESISTANCE TEMPERATURE DETECTOR
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN
SHR	SENSIBLE HEAT RATIO
SP	SET POINT
SP	STATIC PRESSURE
T	THERMOSTAT
TEV	THERMOSTATIC EXPANSION VALVE
TOD	TIME OF DAY
TXV	THERMOSTATIC EXPANSION VALVE
UH	UNIT HEATER
UV	ULTRAVIOLET
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WC	WATER COLUMN
YTD	YEAR TO DATE

GENERAL PROJECT NOTES

A. DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW DESIGN INTENT. IF CHANGES ARE MADE DUE TO DIFFERING FIELD CONDITIONS, SUGGESTED CHANGES ARE TO BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO CHANGES BEING MADE.
B. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE-RATED WALLS.
C. REPAIR ANY WORK DAMAGED AS A RESULT OF WORK BY THIS CONTRACT.
D. CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND PAY FOR FOR ALL MATERIALS, LABOR, LICENSES, PERMITS, INSPECTIONS, FEES, FINAL CLEANUP, AND QUALITY OF WORKMANSHIP AND MATERIALS REQUIRED TO PERFORM WORK DESCRIBED IN CONTRACT.
E. CONTRACTOR SHALL VERIFY AND SATISFY THAT ALL EQUIPMENT FURNISHED WILL PROPERLY FIT IN THE SPACE PROVIDED, THAT IT WILL FUNCTION PROPERLY, AND THAT ALL PARTS OF EQUIPMENT REQUIRING SERVICE ARE READILY ACCESSIBLE IN COMPLIANCE WITH THE MECHANICAL CODE.
F. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CUTTING AND PATCHING OF WALLS, FLOORS, AND ROOFS REQUIRED FOR DEMOLITION OF EXISTING AND INSTALLATION OF NEW HVAC COMPONENTS. ALL OPENINGS IN WALLS, FLOORS OR CEILINGS SHALL BE PROPERLY SEALED.
G. ALL WORK SHALL BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES AND OTHER AUTHORITIES HAVING JURISDICTION.
H. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT. EQUIPMENT SCHEDULES SHOW BASIS OF DESIGN.
I. ON RENOVATIONS, MECHANICAL CONTRACTOR TO DEMOLISH AND REMOVE ALL MECHANICAL EQUIPMENT, DUCTWORK, SUPPORTS, CONTROLS, PIPING, ETC. NOT REUSED IN THE FINAL DESIGN.
J. OUTDOOR DESIGN CONDITIONS: SUMMER: 91 DB, 73 WB. WINTER: 0 DB.
K. GENERAL ROOM DESIGN CONDITIONS: SUMMER: 75 DB, 30-60% RH. WINTER: 70 DB.
L. ALL EQUIPMENT AND COMPONENTS INSTALLED IN AN AIR PLENUM SHALL BE PLENUM RATED.
M. COORDINATE LOCATIONS OF ALL HVAC EQUIPMENT AND ACCESSORIES WITH OTHER TRADES.
N. LOCATE WALL OPENINGS FOR DUCTS, GRILLES, AIR TRANSFER OPENINGS, PIPING, ETC. CENTERED BETWEEN FRAMING MEMBERS WHEN POSSIBLE.
O. ALL TRANSFER AIR DUCTS SHALL HAVE INTERIOR DUCT LINING. REFER TO THE SPECIFICATIONS FOR DUCT LINING REQUIREMENTS.
P. WHEN PENETRATING A NON-FIRE RATED WALL OR FLOOR WITH DUCTWORK OR PIPING, SEAL ANNULAR SPACE BETWEEN WALL/FLOOR AND MECHANICAL MATERIALS WITH NON-COMBUSTIBLE FIBERGLASS INSULATION AND JOINT SEALANTS APPROPRIATE FOR SIZE AND DEPTH AND SOUND ATTENUATION CONSIDERATION. REFER TO ARCHITECTURAL SPECIFICATIONS FOR NON FIRE RATED JOINT SEALANTS.
Q. ALL FLOOR MOUNTED MECHANICAL EQUIPMENT SHALL BE INSTALLED ON A CONCRETE EQUIPMENT PAD.
R. THERMOSTATS SHALL BE MOUNTED WITH BOTTOM AT 44" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED ON THERMOSTAT INSTALLATION DETAIL ON ELECTRICAL SHEETS.

SYMBOLS AND ABBREVIATIONS LEGEND
(THERE MAY BE SYMBOLS LISTED IN THIS LEGEND THAT ARE NOT USED IN THIS SET OF DRAWINGS)

PIPING SYMBOLS	DESCRIPTION
——COND——	CONDENSATE DRAIN PIPING
——RS/L——	REFRIGERANT SUCTION/LIQUID PIPING
——\	PIPE CONTINUATION
POC	POINT OF CONNECTION
POR	POINT OF REMOVAL
X	KEYNOTE NOTE

CONTROL SYMBOLS

- THERMOSTAT
- HUMIDITY SENSOR
- COMBINATION THERMOSTAT / HUMIDITY SENSOR

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.621.2112

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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

MECHANICAL SCHEDULES AND LEGENDS
SFGM - COASTER 2027

SHEET NO.
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KEYNOTES

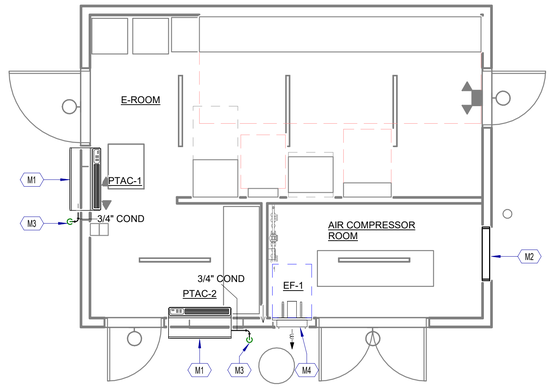
M1 REFER TO CONDENSATE TRAP DETAIL 1/2-M-0.0.

M2 PROVIDE 36"X36" WALL LOUVER GREENHECK MODEL EHH OR SIMILAR WITH MINIMUM 3.5 SF FREE AREA FOR AIR INLET. POSITION 2'-0" ABOVE GRADE ON WALL. SEE ARCHITECTURAL ELEVATIONS.

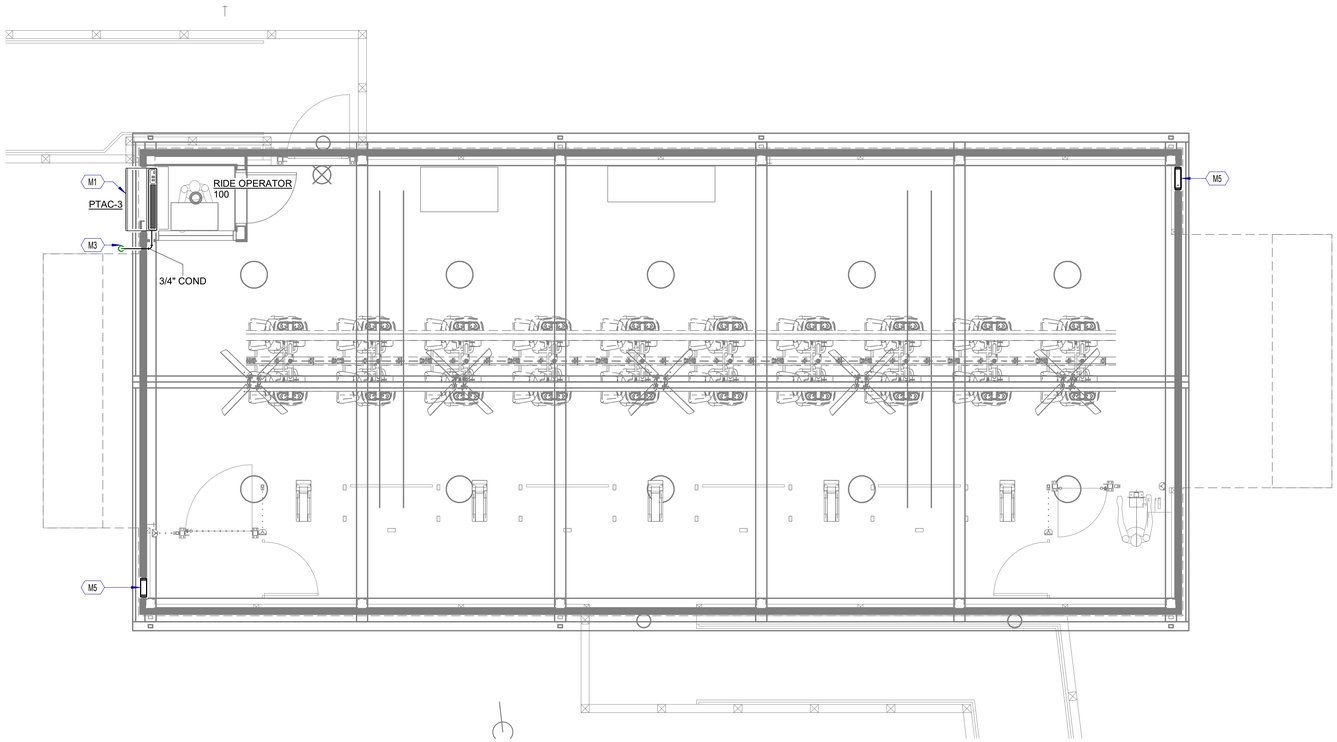
M3 ROUTE 3/4" CONDENSATE PIPING OUTSIDE AND TERMINATE AT FRENCH DRAIN ON GRADE, PER DETAIL 2/2-M-0.0.

M4 EF-1 TO BE MOUNTED AT MINIMUM 7'-0" AFF.

M5 PROVIDE 12"X12" WALL LOUVER GREENHECK MODEL EHH OR SIMILAR. POSITION AT LEAST 2', BUT NO MORE THAN 4', ABOVE GRADE ON WALL. SEE ARCHITECTURAL ELEVATIONS.



2 / 2-M-1.0 ELECTRICAL BUILDING HVAC PLAN
1/4" = 1'-0"



1 / 2-M-1.0 STATION HOUSE HVAC PLAN
1/4" = 1'-0"

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SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
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SHP
313 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.241.3112

SCALE: 1/4" = 1'-0"
DATE: 06-05-2026
DRAWN BY: JAF/JLB

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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HVAC PLAN
SFGM - COASTER 2027

SHEET NO.
2-M-1.0

2025122.01

1" REFERENCE LINE

6/4/2026 1:59:18 PM

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119365
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	414
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Warehouse (Warehouse) : Nonresidential	414

Mechanical Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Mechanical Systems List

Quantity	Component	Description
HVAC Systems		
2	PTAC (Single Zone w/ PerimeterSystem):	Heating: 2 each - Other (Heating Equip), Electric, Capacity = 14 kBtu/h No minimum efficiency requirement applies Cooling: 2 each - Packaged Terminal Unit (Cooling Equip), Capacity = 14 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 10.40 EER, Required Efficiency = 9.74 EER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: Outdoor Fan | E-Room -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Outdoor Fan Supply, Constant Volume, 390 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jamie Brandewie *Jamie Brandewie* 06/03/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 6.4.4.2.1, 6.7.2 [PR2]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E series sheets
4.2.5.2 [PR5]1	Commissioning shall be performed as stated in Sections 5.9.2, 6.9.2, 7.9.2, 8.9.2, 9.9.2, 10.9.2, 11.2(d), and G1.2.1(c). Commissioning must utilize ASHRAE/IES Standard 202 or other generally accepted engineering standards acceptable to the building official. FPT and verification requirements for commissioning are as stated in Section 4.2.5.1. Commissioning shall document compliance of the building systems, controls, and building envelope with required provisions of this standard. Commissioning requirements shall be incorporated into the construction documents.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings, additions, or alterations with less than 10,000 ft2 of conditioned space and combined heating, cooling, and service water heating equipment totaling less than 960,000 Btu/h in capacity.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Footing / Foundation Inspection

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
6.4.3.7 [FO9]1	Freeze protection and snow/ice melting system sensors for future connection to controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Mechanical Rough-In Inspection

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1]1	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency:	Efficiency:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Mechanical Systems list for values*
6.4.4.1.2 [ME8]1	HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	R-	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Factory-installed as part of HVAC equipment.
6.4.4.1.3 [ME9]1	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	in.	in.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
6.4.4.1.4 [ME41]1	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.1 [ME10]1	Ducts and plenums having pressure class ratings are Seal Class A construction.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.8.1-15, 6.8.1-16 [ME10]1	Electrically operated DX-DOAS units meet requirements per Tables 6.8.1-15 or 6.8.1-16.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.2 [ME11]1	Ductwork operating >3 in. water column requires air leakage testing.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.3 [ME19]1	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Cooling capacity <40 kBtu/h.
6.5.2.4.1 [ME68]1	Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff value set to activate when humidification is not required.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.4.2 [ME69]1	Humidification system dispersion tube hot surfaces in the airstreams of ducts or air-handling units insulated >= R-0.5.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.5 [ME70]1	Preheat coils controlled to stop heat output whenever mechanical cooling, including economizer operation, is active.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.2.6 [ME106]1	Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.4 [ME108]1	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.8 [ME109]1	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1. Standard 62.2, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.9 [ME110]1	Zones serving rooms required to have automatic partial OFF or automatic full OFF lighting controls per Section 9.4.1.7, where the ASHRAE Standard 62.1 occupancy category permits ventilation air to be reduced to zero when the space is in occupied-standby mode and when using the Ventilation Rate Procedure, shall meet the following within five minutes of all rooms in that zone entering occupied-standby mode.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.3 [ME42]1	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values*
6.4.3.4.1 [ME3]1	Stair and elevator shaft vents have motorized dampers that automatically close.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.4.2 [ME25]1	HVAC pumping systems with >= 3 control valves designed for variable fluid flow (see section details).			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.6.1, 6.5.6.1.1 [ME56]1	Nontransient dwelling units shall be provided with outdoor air energy recovery ventilation systems that meet the requirements of Section 6.5.6.1.1			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.6.1, 6.5.6.1.2 [ME110]1	Fan systems serving spaces other than nontransient dwelling units have an energy recovery system meet the requirements in Tables 6.5.6.1.2-1 and 6.5.6.1.2-2			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

SCALE:
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REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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ELECTRIC BUILDING - COMCHECK
SFGM - COASTER 2027

SHEET NO.
2-M-2.0

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1" REFERENCE LINE

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Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.7.1 [ME100][1]	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transfer air (see section details).			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.7.2.1 [ME32][2]	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.2, 6.4.3.4.3 [ME4][1]	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
6.5.7.2.4 [ME49][1]	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.8.1 [ME34][2]	Unenclosed spaces that are heated use only radiant heat.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.9 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h ~ 15% >240 kBtu/h ~ 10%			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
6.4.3.9 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 85F.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.10 [ME73][1]	Doors separating conditioned space from the outdoors have controls that disable/reset heating and cooling system when open.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Building entrances have automatic closing devices.
6.4.3.4.5 [ME99][1]	Parking garage ventilation shall meet the following: 1) Separate ventilation systems and control systems for each section, 2) Control systems shall automatically detect and control contaminant levels and capable to reduce airflow to 20% or less of design capacity and 3) The ventilation system for each section shall have controls that result in fan motor demand <= 30% of design wattage at 50% of the design airflow.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.4 [ME5][1]	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** HVAC systems intended to operate continuously.
6.4.3.8 [ME6][1]	Demand control ventilation provided for spaces larger than the floor area of Table 6.4.3.8 based on occupant outside airflow in cfm per 1000 sq ft and served by an air economizer, automatic damper or with design airflow > 3000 cfm			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Multiple-zone systems without DDC of individual zones communicating with a central control panel.

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.2.1 [ME40][2]	DX cooling systems >= 75 kBtu/h (>= 65 kBtu/h effective 1/2016) and chilled-water and evaporative cooling fan motor hp >= ¼ designed to vary supply fan airflow as a function of load and comply with operational requirements.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values*
6.4.4.1.1 [ME7][1]	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][2]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
8.4.3 [EL11][1]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings < 25,000 ft2.
10.4.1 [EL9][2]	Electric motors meet requirements where applicable.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.3.8 [FI6][2]	When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in the coldest zone dehumidified.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
6.7.3.1 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.7.3.2 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.7.3.3 [FI9][1]	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.7.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
10.4.3 [FI24][2]	Elevators are designed with the proper lighting, ventilation power, and standby mode.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
10.5.1 [FI25][1]	The building site contains on-site renewable energy with a rated capacity of not less than 0.50 W/ft2 or 1.7 Btu/ft2 of the three largest floors.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** New construction or additions with the sum of the three largest floors is less than 10,000 ft2.
10.4.5 [FI26][2]	Air curtain unit performance tested in accordance with ANSI/AMCA 220 or ISO 27327-1. Automatic controls comply with Section 6.4.3.9.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
10.4.7 [FI27][1]	Whole-Building Energy Monitoring devices shall be installed and complies with Section 10.4.7.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings or additions < 25,000 ft2.
6.4.3.1.2 [FI3][1]	Thermostatic controls have a 5 °F deadband.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets
6.4.3.2 [FI20][1]	Temperature controls have setpoint overlap restrictions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets

Section # & Req.ID	Final Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.3.3.1 [FI21][1]	HVAC systems equipped with at least one automatic shutdown control.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Systems designed for continuous operation.
6.4.3.3.2 [FI22][1]	Setback controls allow automatic restart and temporary operation as required for maintenance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M series sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
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SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 513.381.2112

SCALE:
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DRAWN BY: JAF/JLB

REVISION | DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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ELECTRIC BUILDING - COMCHECK
SFGM - COASTER 2027

SHEET NO.
2-M-2.1

1" REFERENCE LINE

2025122.01

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COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119669
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	26
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Workshop (Workshop) : Nonresidential	26

Mechanical Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Mechanical Systems List

Quantity	Component	Description
HVAC Systems		
1	PTAC (Single Zone w/ PerimeterSystem):	Heating: 1 each - Other (PTAC), Electric, Capacity = 14 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Packaged Terminal Unit (PTAC), Capacity = 14 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 10.40 EER, Required Efficiency = 9.74 EER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: Outdoor Fan | Ride Operator Booth -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: Outdoor Fan Supply, Constant Volume, 390 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jamie Brandewie *Jamie Brandewie* 06/03/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 6.4.4.2.1, 6.7.2 [PR2]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E series sheets
4.2.5.2 [PR5]1	Commissioning shall be performed as stated in Sections 5.9.2, 6.9.2, 7.9.2, 8.9.2, 9.9.2, 10.9.2, 11.2(d), and G1.2.1(c). Commissioning must utilize ASHRAE/IES Standard 202 or other generally accepted engineering standards acceptable to the building official. FPT and verification requirements for commissioning are as stated in Section 4.2.5.1. Commissioning shall document compliance of the building systems, controls, and building envelope with required provisions of this standard. Commissioning requirements shall be incorporated into the construction documents.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings, additions, or alterations with less than 10,000 ft2 of conditioned space and combined heating, cooling, and service water heating equipment totaling less than 960,000 Btu/h in capacity.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Footing / Foundation Inspection

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
6.4.3.7 [FO9]1	Freeze protection and snow/ice melting system sensors for future connection to controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Mechanical Rough-In Inspection

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1]1	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency:	Efficiency:	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Mechanical Systems list for values*
6.4.4.1.2 [ME8]1	HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	R-	R-	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Factory-installed as part of HVAC equipment.
6.4.4.1.3 [ME9]1	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	in.	in.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
6.4.4.1.4 [ME41]1	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.1 [ME10]1	Ducts and plenums having pressure class ratings are Seal Class A construction.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.8.1-15, 6.8.1-16 [ME10]1	Electrically operated DX-DOAS units meet requirements per Tables 6.8.1-15 or 6.8.1-16.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.4.2.2 [ME11]1	Ductwork operating >3 in. water column requires air leakage testing.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.3 [ME19]1	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Cooling capacity <40 kBtu/h.
6.5.2.4.1 [ME68]1	Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff value set to activate when humidification is not required.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.4.2 [ME69]1	Humidification system dispersion tube hot surfaces in the airstreams of ducts or air-handling units insulated >= R-0.5.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.2.5 [ME70]1	Preheat coils controlled to stop heat output whenever mechanical cooling, including economizer operation, is active.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.2.6 [ME106]1	Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.4 [ME108]1	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.8 [ME109]1	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1. Standard 62.2, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.9 [ME110]1	Zones serving rooms required to have automatic partial OFF or automatic full OFF lighting controls per Section 9.4.1.7, where the ASHRAE Standard 62.1 occupancy category permits ventilation air to be reduced to zero when the space is in occupied-standby mode and when using the Ventilation Rate Procedure, shall meet the following within five minutes of all rooms in that zone entering occupied-standby mode.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.3.3 [ME42]1	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values*
6.4.3.4.1 [ME3]1	Stair and elevator shaft vents have motorized dampers that automatically close.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.4.2 [ME25]1	HVAC pumping systems with >= 3 control valves designed for variable fluid flow (see section details).			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.6.1, 6.5.6.1.1 [ME56]1	Nontransient dwelling units shall be provided with outdoor air energy recovery ventilation systems that meet the requirements of Section 6.5.6.1.1			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.6.1, 6.5.6.1.2 [ME110]1	Fan systems serving spaces other than nontransient dwelling units have an energy recovery system meet the requirements in Tables 6.5.6.1.2-1 and 6.5.6.1.2-2			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.621.2112

SCALE:
DATE: 06-05-2026
DRAWN BY: JAF/JLB

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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RIDE OPERATOR BOOTH - COMCHECK
SFGM - COASTER 2027

SHEET NO.
2-M-2.2

2025122.01

1" REFERENCE LINE

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Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.7.1 [ME100][1]	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transfer air (see section details).			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.7.2.1 [ME32][2]	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.2, 6.4.3.4.3 [ME4][1]	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
6.5.7.2.4 [ME49][1]	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.8.1 [ME34][2]	Unenclosed spaces that are heated use only radiant heat.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.9 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h ~ 15% >240 kBtu/h ~ 10%			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
6.4.3.9 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 85F.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.5.10 [ME73][1]	Doors separating conditioned space from the outdoors have controls that disable/reset heating and cooling system when open.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Building entrances have automatic closing devices.
6.4.3.4.5 [ME99][1]	Parking garage ventilation shall meet the following: 1) Separate ventilation systems and control systems for each section, 2) Control systems shall automatically detect and control contaminant levels and capable to reduce airflow to 20% or less of design capacity and 3) The ventilation system for each section shall have controls that result in fan motor demand <= 30% of design wattage at 50% of the design airflow.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.4.3.4.4 [ME5][1]	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** HVAC systems intended to operate continuously.
6.4.3.8 [ME6][1]	Demand control ventilation provided for spaces larger than the floor area of Table 6.4.3.8 based on occupant outside airflow in cfm per 1000 sq ft and served by an air economizer, automatic damper or with design airflow > 3000 cfm			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Multiple-zone systems without DDC of individual zones communicating with a central control panel.

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.2.1 [ME40][2]	DX cooling systems >= 75 kBtu/h (>= 65 kBtu/h effective 1/2016) and chilled-water and evaporative cooling fan motor hp >= ¼ designed to vary supply fan airflow as a function of load and comply with operational requirements.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values*
6.4.4.1.1 [ME7][1]	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][2]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
8.4.3 [EL11][1]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings < 25,000 ft2.
10.4.1 [EL9][2]	Electric motors meet requirements where applicable.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.3.8 [FI6][2]	When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in the coldest zone dehumidified.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
6.7.3.1 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.7.3.2 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.7.3.3 [FI9][1]	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
6.7.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
10.4.3 [FI24][2]	Elevators are designed with the proper lighting, ventilation power, and standby mode.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
10.5.1 [FI25][1]	The building site contains on-site renewable energy with a rated capacity of not less than 0.50 W/ft2 or 1.7 Btu/ft2 of the three largest floors.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** New construction or additions with the sum of the three largest floors is less than 10,000 ft2.
10.4.5 [FI26][2]	Air curtain unit performance tested in accordance with ANSI/AMCA 220 or ISO 27327-1. Automatic controls comply with Section 6.4.3.9.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
10.4.7 [FI27][1]	Whole-Building Energy Monitoring devices shall be installed and complies with Section 10.4.7.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings or additions < 25,000 ft2.
6.4.3.1.2 [FI3][1]	Thermostatic controls have a 5 °F deadband.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series
6.4.3.2 [FI20][1]	Temperature controls have setpoint overlap restrictions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series

Section # & Req.ID	Final Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.3.3.1 [FI21][1]	HVAC systems equipped with at least one automatic shutdown control.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Systems designed for continuous operation.
6.4.3.3.2 [FI22][1]	Setback controls allow automatic restart and temporary operation as required for maintenance.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** M sheet series

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.2112

SCALE:
DATE: 06-05-2026
DRAWN BY: JAF/JLB

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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RIDE OPERATOR BOOTH - COMCHECK
SFGM - COASTER 2027

SHEET NO.
2-M-2.3

1" REFERENCE LINE

2025122.01

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TECHNOLOGY AND SECURITY SYSTEMS INFORMATION AND LEGENDS

GENERAL NOTES

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TECHNOLOGY DEVICE ROUGH-IN. PROVIDE 1" CONDUIT WITH PULL STRING TO ALL TECHNOLOGY DEVICE LOCATIONS, UNLESS OTHERWISE NOTED.

B. VERIFY EXACT LOCATION AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH OWNER PRIOR TO ROUGH-IN

DATA DROPS

X48" — MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

DATA DROP WITH DEVICE — X INDICATES DEVICE TYPE

X44" *DATA DROP (NO DEVICE)*

2D	DATA OUTLET (2X)
WT	WALL TELEPHONE

COMMUNICATION DEVICES

X INDICATES DEVICE TYPE

COMM DEVICE (CLG MOUNT) / *COMM DEVICE (WALL MOUNT)*

BGM	BGM SPEAKER
SP	RIDE SPEAKER

SECURITY CAMERAS

	SINGLE HEAD CAMERA
	DUAL HEAD CAMERA
	QUAD HEAD CAMERA
	360° FISHEYE CAMERA

WHERE WALL MOUNTED:

VERIFY EXACT MOUNTING HEIGHT WITH OWNER

ACCESS CONTROL DEVICES

SECURITY DEVICE (BUTTON) — VERIFY MOUNTING REQUIREMENTS PRIOR TO INSTALLATION.

SECURITY DEVICE (MISC.) — X INDICATES DEVICE TYPE

WIRING DEVICE LEGEND

XX/44" — MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

DUPLEX / *DOUBLE-DUPLEX* — XX INDICATES SPECIAL NOTE (IF USED)

EWC	ELECTRIC WATER COOLER
TR	TECH RACK (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)
V	VENDING MACHINE @ 60" AFF
WP	GFI, WR RECEPTACLE WITH WEATHER PROOF ENCLOSURE

JUNCTION BOX — JX INDICATES DEVICE DESIGNATION (IF USED)

LZ	LOW ZONE PROXIMITY SWITCH (PROVIDE CABLE/WIRING TO LOCAL CONTROL BOX, REFER TO KEYNOTES FOR DETAILS ON CABLE)
ML	MAG LOCK GATE (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)
SN	SIGNAGE (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)
TST	TEST SEAT (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)
WH	WHEEL PUMP (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER)

CR — CEILING FAN
52" THREE BLADE, PENDANT MOUNTED, WET LABELED CEILING FAN. EQUAL TO BIG ASS FAN HAIKU SERIES TYPE. FINISH TO BE SELECTED BY OWNER/ARCHITECT

SC — SPEED CONTROLLER FOR CEILING FAN.

PS — POWER SUPPLY FOR ELECTRIFIED HARDWARE
PROVIDE ELECTRICAL CONNECTION FOR POWER SUPPLY. COORDINATE LOCATION AND REQUIREMENTS WITH HARDWARE PROVIDER.

GROUND FAULT PROTECTED	*GROUND FAULT PROTECTED, ABOVE COUNTER*	*ABOVE COUNTER*	*SPECIALTY RECEPTACLE*

FIRE PROTECTION MONITORING SYSTEM LEGEND

SYSTEM DESCRIPTION AND GENERAL NOTES

1. FIRE PROTECTION MONITORING SYSTEM EQUIPMENT INDICATE A BASIS OF DESIGN FOR SYSTEM OPERATION, AND ARE NOT INTENDED TO INDICATE EXACT QUANTITIES AND LOCATIONS OF FIRE PROTECTION MONITORING SYSTEM DEVICES. FIRE PROTECTION MONITORING SYSTEM DESIGNER SHALL REVISE THE PLANS AS REQUIRED TO MEET ALL CODE AND PROJECT REQUIREMENTS. FIRE PROTECTION MONITORING SYSTEM SHALL BE DESIGNED BY A LICENSED FIRE PROTECTION MONITORING SYSTEM DESIGNER. VERIFY EXACT REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

CONTROL EQUIPMENT

X — *X INDICATES CONTROL EQUIPMENT TYPE*
FPCU FIRE PROTECTION CONTROL UNIT

NOTIFICATION APPLIANCES

CEILING MOUNTED CD F XX — *WALL MOUNTED* CD F XX

F INDICATES DEVICE DESIGNATION

H	HORN ONLY
ST	STROBE ONLY

XX INDICATES SPECIAL FEATURES

WG	WIRE GUARD
WP	WEATHERPROOF

CD INDICATES CANDELA RATING
IF NOT SHOWN, DEVICE SHALL BE PROVIDED AT 75CD.

INITIATING DEVICES

INPUT DEVICE X — *DETECTOR* Y (a) — *DAMPER* D (z)

X INDICATES INPUT DEVICE TYPE

A	ABORT BUTTON
F	MANUAL PULL STATION
IAM	INPUT ADDRESSABLE MODULE

Y INDICATES DETECTOR TYPE

CO	CARBON MONOXIDE DETECTOR
H	HEAT DETECTOR
S	SMOKE DETECTOR

DRAFTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
X	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
2 / 2-E-1.0	DETAIL CALLOUT REFER TO DETAIL 2 ON SHEET 2-E-1.0

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
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STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

26-ELECTRICAL SHEET LIST - COASTER

SHEET NUMBER	SHEET NAME
2-E-0.0	ELECTRICAL LEGENDS
2-E-0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
2-E-1.0	ELECTRICAL SITE PLAN
2-E-1.1	ENLARGED ELECTRICAL SITE PLAN - SOUTH
2-E-1.2	ENLARGED ELECTRICAL SITE PLAN - NORTH
2-E-1.3	QUEUE AREA ELECTRICAL PLAN
2-E-1.4	QUEUE BUILDING + RIDE PHOTO ELECTRICAL PLAN
2-E-1.5	RIDE STATION ELECTRICAL PLANS
2-E-1.6	ELECTRIC BUILDING ELECTRICAL PLAN
2-E-1.7	ENLARGED BRIDGE ELECTRICAL PLAN
2-E-2.0	SYSTEMS SITE PLAN
2-E-2.1	ENLARGED SYSTEMS SITE PLAN - SOUTH
2-E-2.2	ENLARGED SYSTEMS SITE PLAN - NORTH
2-E-3.0	COASTER ELECTRICAL SITE PLAN
2-E-3.1	COASTER ELECTRICAL STATION PLAN
2-E-3.2	COASTER MOTOR SCHEDULES
2-E-3.3	COASTER CABLE SCHEDULES
2-E-3.4	COASTER CABLE SCHEDULES
2-E-3.5	COASTER CABLE SCHEDULES
2-E-4.0	PANEL SCHEDULES
2-E-5.0	ELECTRICAL DETAILS
2-E-5.1	ELECTRICAL DETAILS
2-E-5.2	ELECTRICAL DETAILS
2-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM
2-E-7.0	COMCHECK
2-E-7.1	COMCHECK

WIRING METHODS LEGEND

WIRING METHODS GENERAL NOTES

1. THIS LEGEND PROVIDES AN OVERVIEW OF APPROVED WIRING METHODS FOR THIS PROJECT. REFER TO SPECIFICATION SECTION 260533 "RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS" FOR ADDITIONAL INFORMATION REGARDING SELECTION AND INSTALLATION OF CONDUITS AND BOXES.
2. UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. ALL OTHER SPACES SHALL BE CONSIDERED FINISHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. CONDUITS FOR FEEDERS WHICH ARE SCHEDULED FOR UNDER SLAB INSTALLATION SHALL BE LOCATED A MINIMUM OF 2' BELOW FINISHED FLOOR. COORDINATE WITH ALL OTHER DISCIPLINES.
4. CONDUITS FOR BRANCH CIRCUITS ARE PERMITTED UNDER SLAB ONLY WHERE NOTED ON DRAWINGS OR INDICATED ON SPECIAL CONDITIONS SCHEDULE. CONDUIT ROUTING MUST BE COORDINATED WITH ALL OTHER DISCIPLINES AND BE CLEARLY IDENTIFIED ON AS-BUILT DRAWINGS.
5. COORDINATE ROUTING OF SURFACE RACEWAY SUCH THAT VERTICAL RUNS ARE MINIMIZED, AND RACEWAY DOES NOT RUN BEHIND PERMANENTLY-INSTALLED CASEWORK OR FURNITURE.

RACEWAY SELECTION SCHEDULE

APPLICATION	*IMC*	*RMC*	*EMT*	*MC CABLE*	*FMC*	*LFMC*	*RNC*	*SURFACE RACEWAY*
CONCEALED - CMU WALLS			X					
CONCEALED - METAL STUD PARTITIONS			X	X				
CONCEALED - CAST CONCRETE WALLS							X	
CONCEALED - ICF WALLS			X					
CONCEALED - ABOVE ACCESSIBLE CEILINGS			X	A, B				
CONCEALED - ABOVE INACCESSIBLE CEILINGS			X					
EXPOSED - INTERIOR FINISHED SPACES								F
EXPOSED - INTERIOR UNFINISHED SPACES			X		D	E		X
EXTERIOR - BELOW GRADE APPLICATIONS							X	
EXTERIOR - ABOVE GRADE APPLICATIONS	X	X				E		

RACEWAY APPLICATION NOTES

A. PERMITTED FOR CONNECTION TO AND BETWEEN LIGHT FIXTURES

B. PERMITTED FOR WHIP FROM HOMERUN JBOX TO BRANCH CIRCUIT RACEWAY. SHALL NOT BE USED FOR HOMERUNS.

C. PERMITTED FOR WHIP TO FIRE ALARM DEVICE

D. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT WITHIN PLENUM

E. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT NOT WITHIN PLENUM

F. PERMITTED WHERE INDICATED ON DRAWINGS OR WHERE EXISTING WALL CONSTRUCTION PROHIBITS THE USE OF CONCEALED RACEWAY

BOXES AND COVERS SELECTION SCHEDULE

APPLICATION	*OUTLET BOXES*	*CONDUIT BODIES*	*COVERS*
FINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
UNFINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
EXTERIOR - DEFAULT	GALVANIZED MALLEABLE IRON (NOTE A)	GALVANIZED MALLEABLE IRON (NOTE A)	CAST ALUMINUM
[APPLICATION]	[BOX TYPE]	[CONDUIT BODY TYPE]	[COVER TYPE]

BOXES AND COVERS APPLICATION NOTES

A. CONDUIT SHALL ENTER FROM BOTTOM OR SIDE WHERE PRACTICAL. PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

ABBREVIATION LEGEND

GENERIC ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
CM	CONSTRUCTION MANAGER
EC	ELECTRICAL CONTRACTOR
ED	EXISTING TO BE DEMOLISHED
EM	EMERGENCY
ER	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
GC	GENERAL CONTRACTOR
NEC	NATIONAL ELECTRIC CODE
OC	ON CENTER
OH	OVERHEAD
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
WG	WIREGUARD
WP	WEATHERPROOF
WR	WEATHER RESISTANT

WIRING METHODS ABBREVIATIONS

AL	ALUMINUM
C	CONDUIT
CA	CAST ALUMINUM
CU	COPPER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
FMC	FLEXIBLE METALLIC CONDUIT
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GMI	GALVANIZED MALLEABLE IRON
GND	GROUND
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LV	LOW VOLTAGE
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHLORIDE, SCHEDULE 40
RMC	RIGID METALLIC CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
SM	SHEET METAL
ZP	ZINC PLATED

UNITS

A	AMPERE
AIC	AMPERE INTERRUPTING CAPACITY
CD	CANDELA
FC	FOOTCANDLE
HP	HORSEPOWER
KAIC	KILOAMPERE INTERRUPTING CAPACITY
LPF	LUMENS PER FOOT
V	VOLT
VA	VOLT-AMPERE
W	WATT

COMMON ELECTRICAL ABBREVIATIONS

BAS	BUILDING AUTOMATION SYSTEM
BM	BRANCH METER
CB	CIRCUIT BREAKER
DS	DISCONNECT SWITCH
EPO	EMERGENCY POWER OFF
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GP	GENERATOR PANEL
HTP	HEAT TRACE PANEL
LOD	LOCK OUT DEVICE CAPABLE
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MM	MAINS METER
MRTS	MOTOR RATED TOGGLE SWITCH
OCPD	OVERCURRENT PROTECTIVE DEVICE
OM	OWNER'S METER
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTIVE DEVICE
SUSE	SUITABLE FOR USE AS SERVICE ENTRANCE
TGB	TECHNOLOGY GROUND BAR
TR	TECHNOLOGY RACK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UM	UTILITY METER
UT	UTILITY TRANSFORMER
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER

GENERAL NOTES: - APPLIES TO ALL ELECTRICAL DRAWINGS

A. EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).

B. EC SHALL UPSIZE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE SHOWN BELOW:

WIRE SIZING CHART

RUN LENGTH		CIRCUIT BREAKER		
120V	277V	20A	30A	40A
000-100'	000-200'	12	10	8
101-150'	201-300'	10	8	6
151-200'	301-450'	8	6	4

C. WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.

D. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. EC SHALL NOT SHARE NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS.

E. ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.

F. EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.

G. ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.

H. ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.

I. HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.

J. GROUPINGS OF DEVICES LOCATED ON THE SAME WALL AT THE SAME ELEVATION SHALL BE PLACED SO THAT THE HORIZONTAL DISTANCE BETWEEN DEVICES IS NO GREATER THAN 4". PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.

K. FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LIGHTING FIXTURE SCHEDULE, ON E-0.1 SERIES SHEETS.

L. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT.

SHP
315 ELM STREET, SUITE 400
CINCINNATI, OHIO 45202 513.621.2112

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL LEGENDS

SFGM - COASTER 2027

SHEET NO.
2-E-0.0

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1" REFERENCE LINE

LIGHTING FIXTURE SCHEDULE - COASTER

GENERAL NOTES:
A. REFER TO LIGHTING CONTROL SCHEMATICS AND LIGHTING CIRCUIT SCHEDULES ON E-5.0 SERIES DRAWINGS.

FIXTURE TYPE	FIXTURE BASIS OF DESIGN	ALTERNATE MANUFACTURERS	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MIN LUMEN OUTPUT	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAX WATTAGE	MOUNTING METHOD	TYPE COMMENTS
D40	JUNO WF6	APPROVED EQUALS	RECESSED WAFER MODULE DOWN LIGHT, ROUND, WET LOCATION RATED, FINISH SELECTED BY OWNER, 6" DIAMETER	LED	STANDARD	1070 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	14 VA	CEILING RECESSED	
E10	LITHONIA ELM2L	BARRON LED-60, LSI EAR, SURE-LITES SEL25	EMERGENCY LIGHT, DUAL HEAD, THERMOPLASTIC, WHITE FINISH, INTEGRAL BATTERY PACK WITH SELF-DIAGNOSTIC HARDWARE	LED	N/A			N/A	120 V	6 VA	CEILING / WALL MOUNTED	
G10	HYDREL TIERRA IGF4	APPROVED EQUAL	IN-GRADE LED FIXTURE, P2 PERFORMANCE PACKAGE, WALL WASH DISTRIBUTION, WET LOCATION RATED, FINISH SELECTED BY OWNER, 4" DIAMETER	LED	STANDARD	570 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	10 VA	GROUND MOUNTED	
P50	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, MOUNTS TO WOODEN TIMBER POLE WITH 36" LONG TIMBER CROSS ARM AND ANCHOR BOLT BASE HARDWARE, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	POLE MOUNTED	POLE AND CROSS-ARM BY GENERAL CONTRACTOR. VERIFY EXACT REQUIREMENTS. REFER TO SCENIC LIGHTING PACKAGE FOR ADDITIONAL INFORMATION.
P50T	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, TANDEM HEADS, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, MOUNTS TO WOODEN TIMBER POLE WITH 36" LONG TIMBER CROSS ARM AND ANCHOR BOLT BASE HARDWARE, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	32 VA	POLE MOUNTED	POLE AND CROSS-ARM BY GENERAL CONTRACTOR. VERIFY EXACT REQUIREMENTS. REFER TO SCENIC LIGHTING PACKAGE FOR ADDITIONAL INFORMATION.
P51	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, MOUNTS TO WOODEN TIMBER POLE WITH 36" LONG TIMBER CROSS ARM AND ANCHOR BOLT BASE HARDWARE, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	POST MOUNTED	POLE AND CROSS-ARM BY GENERAL CONTRACTOR. VERIFY EXACT REQUIREMENTS. REFER TO SCENIC LIGHTING PACKAGE FOR ADDITIONAL INFORMATION.
R16	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	PENDANT MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION
R16W	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, WALL MOUNT BRACKET, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	WALL MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION
V10	LITHONIA CSVT	APPROVED EQUALS	INDUSTRIAL VAPOR TIGHT LINEAR, WET LOCATION, HIGH IMPACT DIFFUSER, SST LATCHES, 4' LONG	LED	STANDARD	4000 lm	4000 K	LED DRIVER	120 V	34 VA	SURFACE MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION
W90E	ANP LIGHTING VTW100GL-FR-GUPC100-NA-M012LDN-W-27K-NA	APPROVED EQUALS	INDUSTRIAL VAPOR JAR LIGHT, 12W LED BULB, WET LOCATION RATED, FINISH SELECTED BY ARCHITECT	LED	WIDE	750 lm	2700 K	LED DRIVER	120 V	12 VA	WALL MOUNTED	MOUNT TO BRACKET ON HANDRAIL UP LIFT STAIRS. REFER TO DETAIL 2/2-E-3.0
X30	DUAL-LITE EVE4X	APPROVED EQUALS	EXIT SIGN, SINGLE FACE, RED LETTERS, POLYCARBONATE, EXTERIOR RATED, DIRECTIONAL ARROWS AS SHOWN ON PLANS, FINISH SELECTED BY ARCHITECT	LED	N/A			N/A	120 V	5 VA	CEILING/WALL MOUNTED	WIRED TO UNSWITCHED CIRCUIT

26-POWERED EQUIPMENT SCHEDULE - COASTER

GENERAL NOTES:
A. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
B. WIRING TERMINATIONS TO EQUIPMENT SHALL BE DONE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
C. LOCATIONS OF DEVICES SHOWN ON DRAWINGS ARE SCHEMATIC IN NATURE. COORDINATE LOCATIONS WITH EQUIPMENT INSTALLER.
D. BRANCH WIRING TO EQUIPMENT SHALL BE COPPER.
E. CONNECTIONS, LOCAL DISCONNECTS, STARTERS, AND VFDS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC.

EQUIPMENT TYPE	MARK	DESCRIPTION	STARTING MEANS				DISCONNECTING MEANS				ELECTRICAL						WIRING NOTES
			TYPE	PROVIDED BY	INSTALLED BY	LOCATION	TYPE	PROVIDED BY	INSTALLED BY	LOCATION	VOLTS	POLES	AMPS	MOCP	PANEL	CIRCUIT	
MECHANICAL	AC-1	AIR COMPRESSOR	RCC	RIDE MANUFACTURER	RIDE MANUFACTURER	RCC	DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	480 V	3	27.0 A	60.0 A	RCC	1	
DIV. 23																	
MECHANICAL	EF-1	EXHAUST FAN	N/A	N/A	N/A	N/A	MRTS	DIV. 26	DIV. 26	NEAR UNIT	120 V	1	4.8 A	15.0 A	LP-ST	16	
MECHANICAL	PTAC-1	PACKAGED TERMINAL AIR CONDITIONING UNIT	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	MRTS	DIV. 26	DIV. 26	NEAR UNIT	208 V	2	19.7 A	30.0 A	LP-ST	4,6	
MECHANICAL	PTAC-2	PACKAGED TERMINAL AIR CONDITIONING UNIT	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	MRTS	DIV. 26	DIV. 26	NEAR UNIT	208 V	2	19.7 A	30.0 A	LP-ST	8,10	
MECHANICAL	PTAC-3	PACKAGED TERMINAL AIR CONDITIONING UNIT	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	MRTS	DIV. 26	DIV. 26	NEAR UNIT	208 V	2	19.7 A	30.0 A	LP-ST	12,14	

LIGHTING FIXTURE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A10 r	2'x4' RECESSED TROFFER	G10 r	CYLINDRICAL PENDANT
A20 r	2'x2' RECESSED TROFFER	T20 T10 r	TRACK W/ TRACK HEAD
A30 r	1'x4' RECESSED TROFFER	H10 r	RECTANGULAR HIGH BAY
C10 r	LINEAR PENDANT	E10	DUAL HEAD EMERGENCY FIXTURE
D10 r	RECESSED DOWNLIGHT	X10	EXIT SIGN

LIGHTING FIXTURE TAGS

1. CAPITAL LETTER WITH NUMBER DENOTES FIXTURE TYPE - REFER TO LIGHTING FIXTURE SCHEDULE.
2. SMALL LETTER DENOTES SWITCH LEG/RELAY NUMBER - REFER TO E-1.0 SERIES SHEETS FOR TYPICAL ROOM LAYOUTS.

EMERGENCY LIGHTING FIXTURES

1. FIXTURES DENOTED WITH GRAY FILLED IN AREA SHALL PROVIDE EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER.
2. FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING.
3. EXIT SIGN:
   - SHADED AREA DENOTES FACE
   - ARROW DENOTES ARROW DIRECTION
   - WHEN ON WALL, MOUNT NO HIGHER THAN 6" ABOVE TOP OF NEAREST DOORWAY

LIGHTING CONTROL SYMBOL LEGEND

OCCUPANCY/VACANCY SENSOR

X INDICATES SENSOR TYPE OR SPECIAL NOTE. IF OMITTED, SENSOR IS DUAL FUNCTION OCCUPANCY/VACANCY SENSOR.

X — *STEM INDICATES WALL MOUNTED AT 10'-0" AFF UNO*

SENSOR TYPES

HB	HIGH BAY
O	OCCUPANCY ONLY
V	VACANCY ONLY

WALL CONTROL STATION

SX INDICATES CONTROL STATION TYPE OR SPECIAL NOTE. IF OMITTED, CONTROL STATION IS SINGLE POLE SWITCH.

a/b/c INDICATES ZONE OF CONTROL. REFER TO DRAWINGS.

LIGHTING SWITCH — *# OF "S" INDICATES NUMBER OF SWITCHES*

CONTROL STATION TYPES

3	3 WAY
4	4 WAY
CS1	CONTROL STATION - ON/OFF/DIM
K	KEYED SWITCH
OS1	OCCUPANCY SENSOR
OS2	OCCUPANCY SENSOR - 2 POLE
OSD	OCCUPANCY SENSOR - DIMMING
T	TIMER SWITCH

MECHANICAL CONTROLS LEGEND

EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR MECHANICAL CONTROL DEVICES. REFER TO M-SERIES DRAWING SHEETS FOR EXACT LOCATIONS AND DETAILS.

(XX)

XX INDICATES DEVICE DESIGNATION

C	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
H	HUMIDITY SENSOR
S	BAS SPACE TEMPERATURE SENSOR
T	THERMOSTAT
TH	COMBINATION THERMOSTAT / HUMIDITY SENSOR
V	VOC SENSOR

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
SFGM - COASTER 2027

SHEET NO.
2-E-0.1

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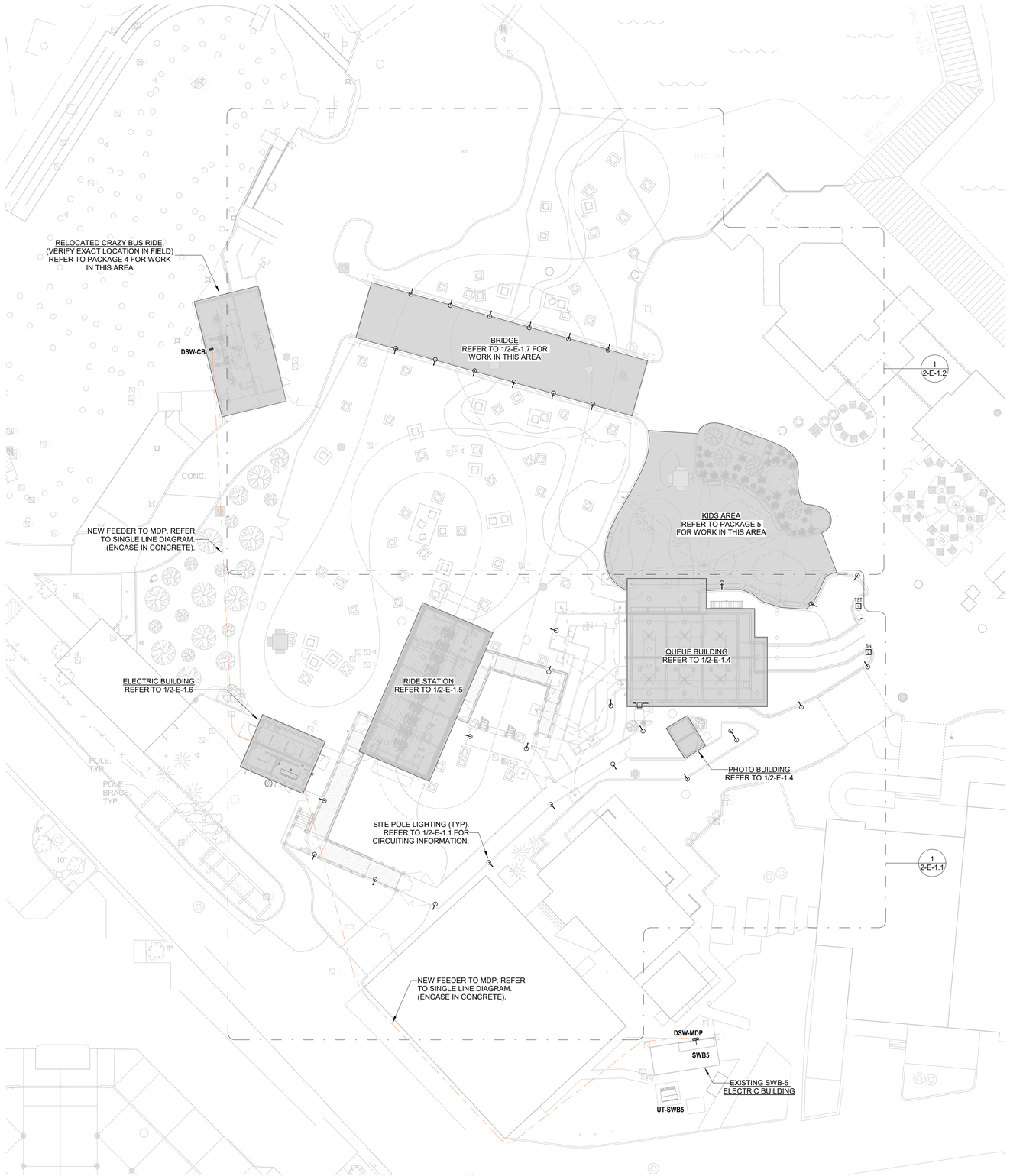
1" REFERENCE LINE



1 / 2-E-1.0 ELECTRICAL SITE PLAN
1" = 20'-0"

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

C. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

D. COORDINATE ALL SITE CONDUIT ROUTING WITH OTHER DISCIPLINES. ROUTING SHOWN ON DRAWINGS IS FOR REFERENCE ONLY AND MAY BE MODIFIED TO ACCOMMODATE FOR SITE CONDITIONS.

KEYNOTES

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

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REVISION	DESCRIPTION

R S L COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

ELECTRICAL SITE PLAN

SFGM - COASTER 2027

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KEYNOTES

EL4 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.6 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

EL7 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.4 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

C. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

D. COORDINATE ALL SITE CONDUIT ROUTING WITH OTHER DISCIPLINES. ROUTING SHOWN ON DRAWINGS IS FOR REFERENCE ONLY AND MAY BE MODIFIED TO ACCOMMODATE FOR SITE CONDITIONS.

1 2-E-1.1 ENLARGED ELECTRICAL SITE PLAN - SOUTH
1/8" = 1'-0"

6/4/2026 1:11:46 PM

SHP
315 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ENLARGED ELECTRICAL SITE PLAN - SOUTH

SFGM - COASTER 2027

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1" REFERENCE LINE

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

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KEYNOTES

EP2 ROUTE (1) 2" CONDUIT FROM ELECTRIC BUILDING TSD FOR RIDE CAMERA MOUNTED ON POLE. PROVIDE DEDICATED 20A CIRCUIT ALONG WITH WORK RECEPTACLE ON OR NEAR POLE. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

ES9 LOW GATE PROX. SWITCH (FURNISHED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR). ROUTE (4) #14, #14G IN 1"C TO RCC. VERIFY EXACT LOCATION OF PROX. SENSOR WITH OWNER PRIOR TO ROUGH-IN.

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OF ILLINOIS

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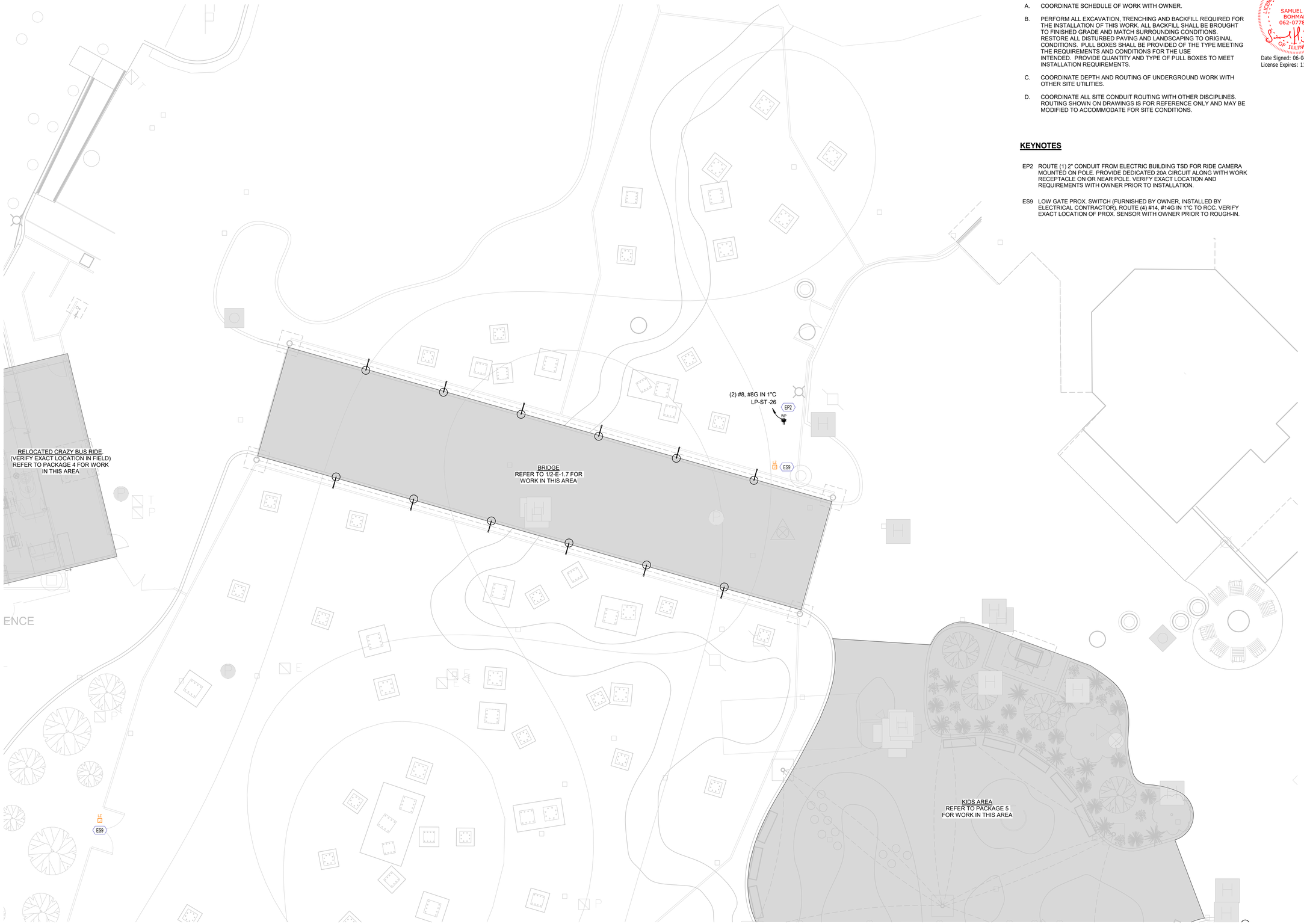

1 / 2-E-1.2 ENLARGED ELECTRICAL SITE PLAN - NORTH
1/8" = 1'-0"

6/4/2026 1:11:48 PM

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311 ELM STREET, SUITE 600
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SCALE: 1/8" = 1'-0"
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Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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ENLARGED ELECTRICAL SITE PLAN - NORTH

SFGM - COASTER 2027

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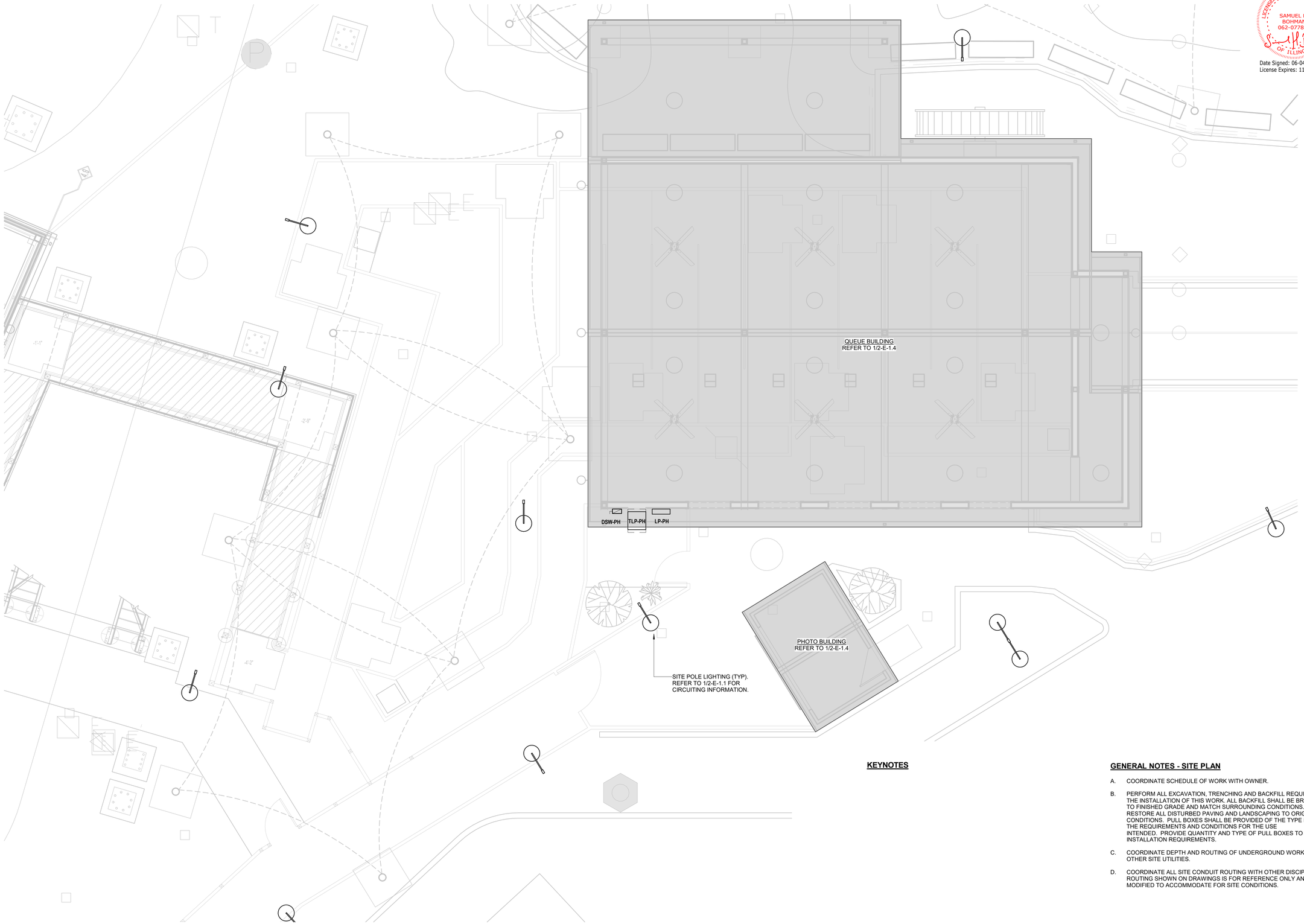

1 QUEUE AREA ELECTRICAL PLAN
2-E-1.3 1/4" = 1'-0"

KEYNOTES

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

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Cincinnati, OH 45236
513.891.9959 PHONE
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QUEUE AREA ELECTRICAL PLAN
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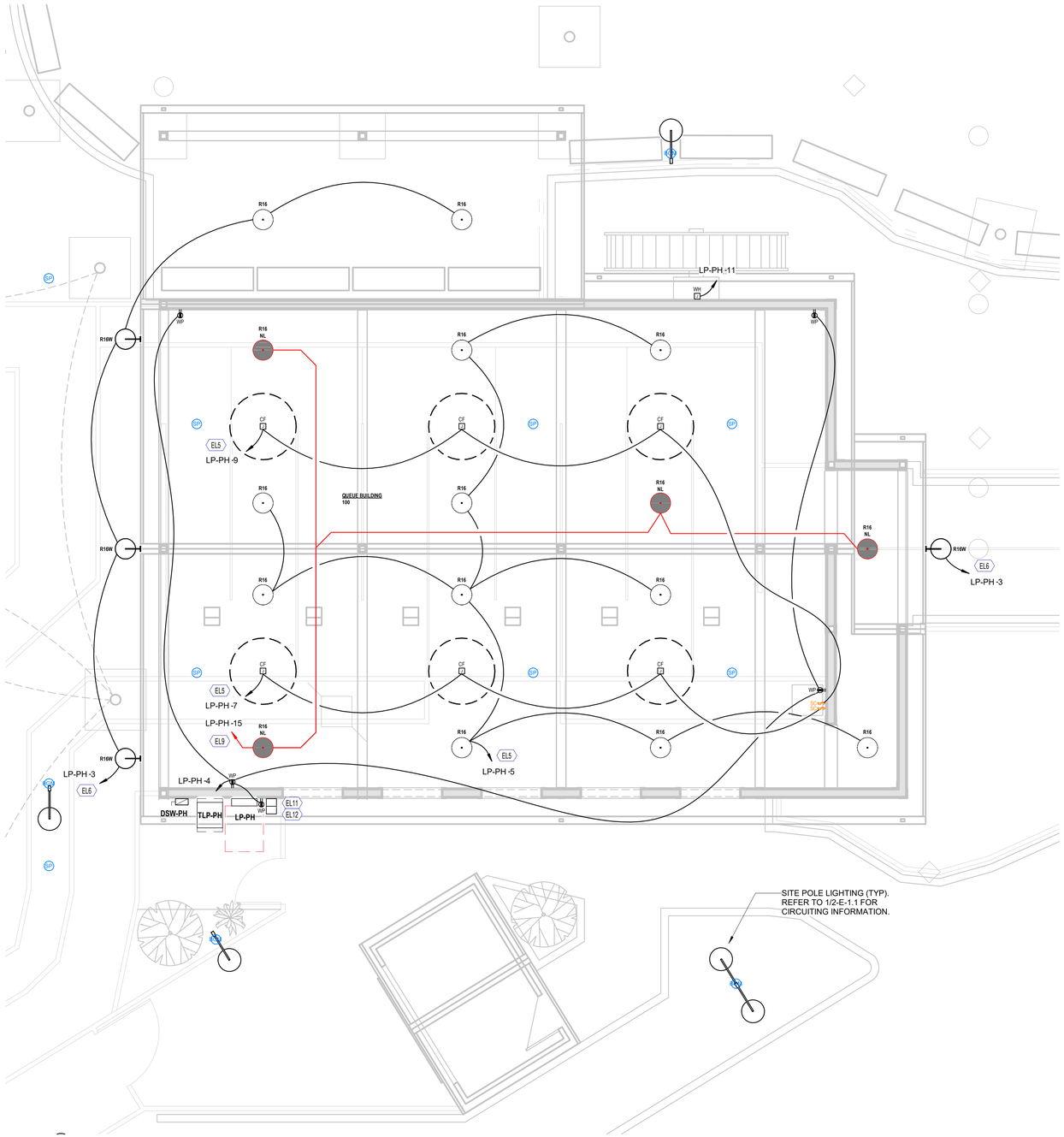
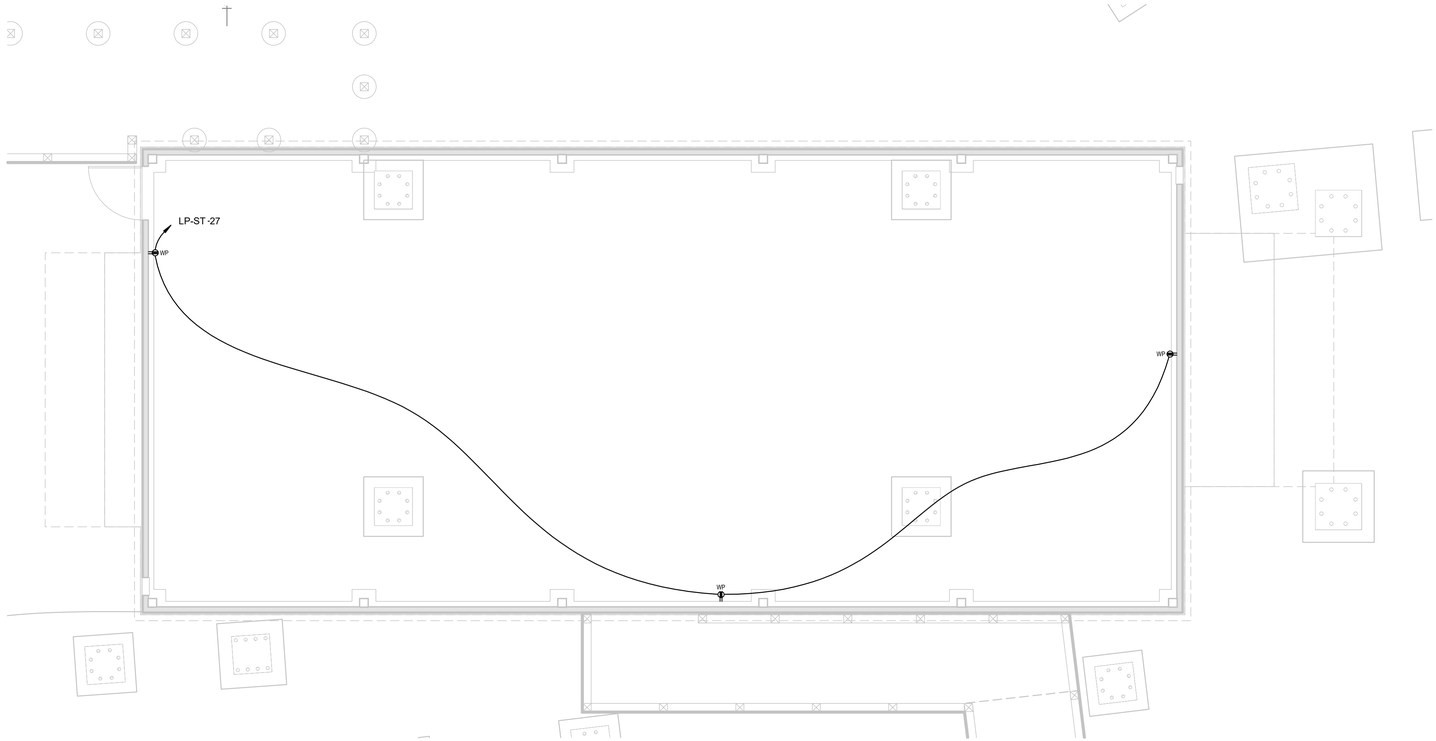
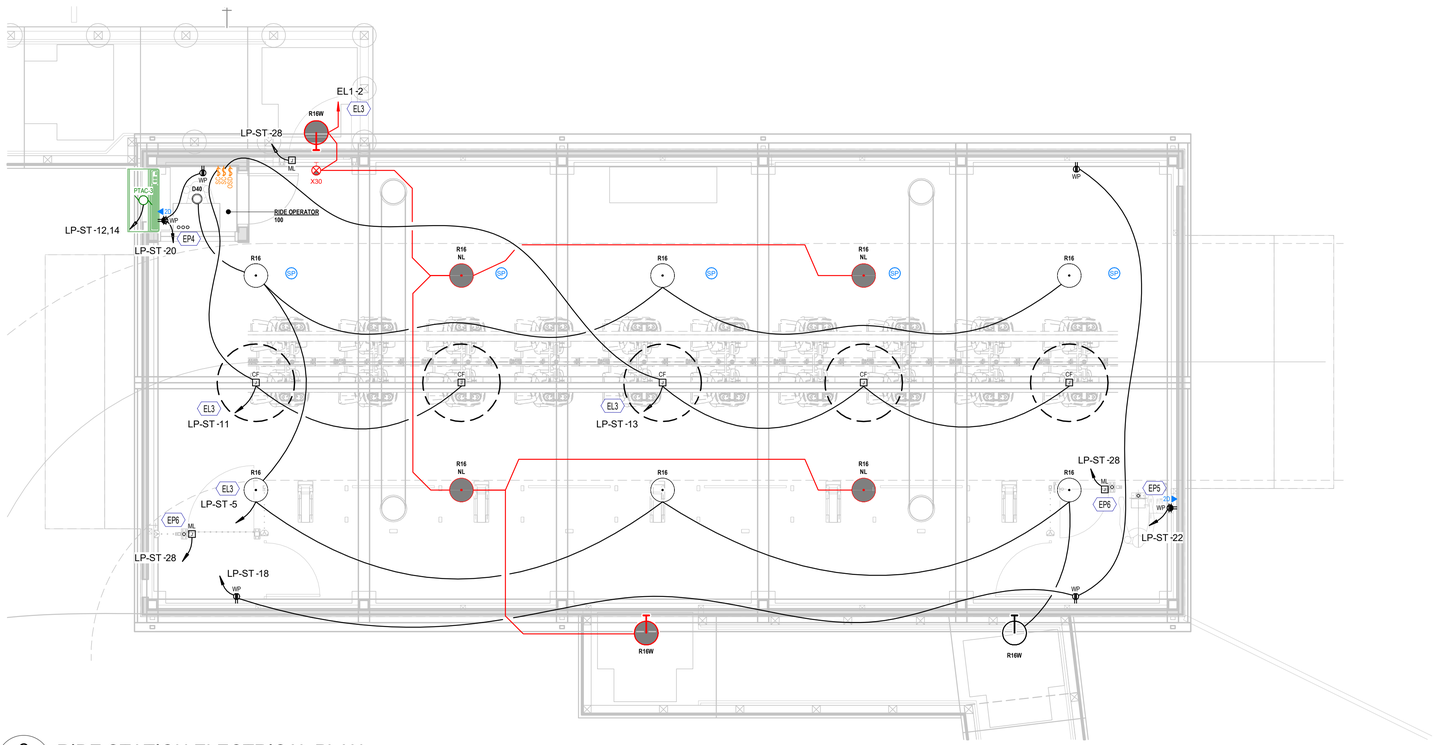

R16
R16
LP-PH -11
WH
R16W
WP
R16
NL
R16
R16
R16



1 2-E-1.5 RIDE STATION FOUNDATION ELECTRICAL PLAN
1/4" = 1'-0"



2 2-E-1.5 RIDE STATION ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

C. EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF MECHANICAL CONTROL DEVICES. REFER TO MECHANICAL CONTROLS LEGEND FOR DEVICE DESIGNATION. REFER TO M-SERIES SHEETS FOR EXACT LOCATIONS AND DETAILS FOR EACH DEVICE.

D. EC SHALL BE RESPONSIBLE FOR TECHNOLOGY ROUGH-IN LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

KEYNOTES

EL3 WIRE THROUGH INTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.6 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

EP4 ROUTE (3) 2" CONDUITS TO RIDE OPERATOR CONSOLE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

EP5 ROUTE (1) 2" CONDUIT TO RIDE OPERATOR CONSOLE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

EP6 ROUTE (1) 2" CONDUIT TO GATE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS

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License Expires: 11-30-2027

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RIDE STATION ELECTRICAL PLANS
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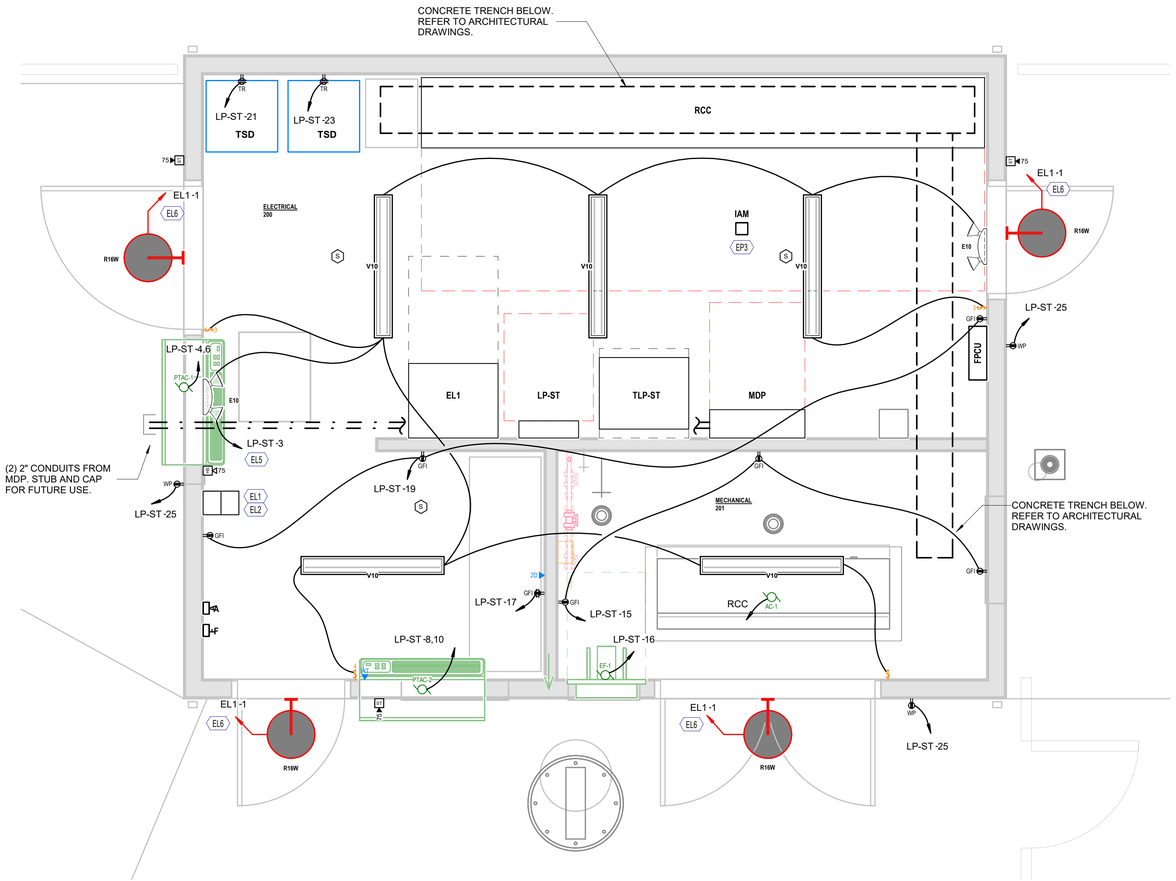

1 ELECTRICAL BUILDING ELECTRICAL PLAN
2-E-1.6 1/2" = 1'-0"

KEYNOTES

EL1 FURNISH AND INSTALL AN 8 POLE LIGHTING CONTACTOR FOR INTERIOR LIGHTING. REFER TO DETAIL 3/2-E-5.2. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

EL2 FURNISH AND INSTALL AN 8 POLE LIGHTING CONTACTOR FOR EXTERIOR LIGHTING. REFER TO DETAIL 4/2-E-5.2. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

EL5 WIRE THROUGH INTERIOR LIGHTING CONTACTOR. VERIFY EXACT REQUIREMENTS WITH OWNER.

EL6 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. VERIFY EXACT REQUIREMENTS WITH OWNER.

EP3 PROVIDE INPUT ADDRESS MODULE TO MONITOR FIRE PROTECTION CONTROL UNIT. COORDINATE INSTALLATION WITH DIV. 21. VERIFY EXACT REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

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E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
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GENERAL NOTES - SITE PLAN

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KEYNOTES

EL4 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.6 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

LICENSED PROFESSIONAL ENGINEER
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062-07877
STATE OF ILLINOIS

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1 2-E-1.7 ENLARGED BRIDGE ELECTRICAL PLAN
1/4" = 1'-0"

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511 ELM STREET, SUITE 600
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Six Flags Entertainment Corporation

ENLARGED BRIDGE ELECTRICAL PLAN
SFGM - COASTER 2027

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2-E-1.7

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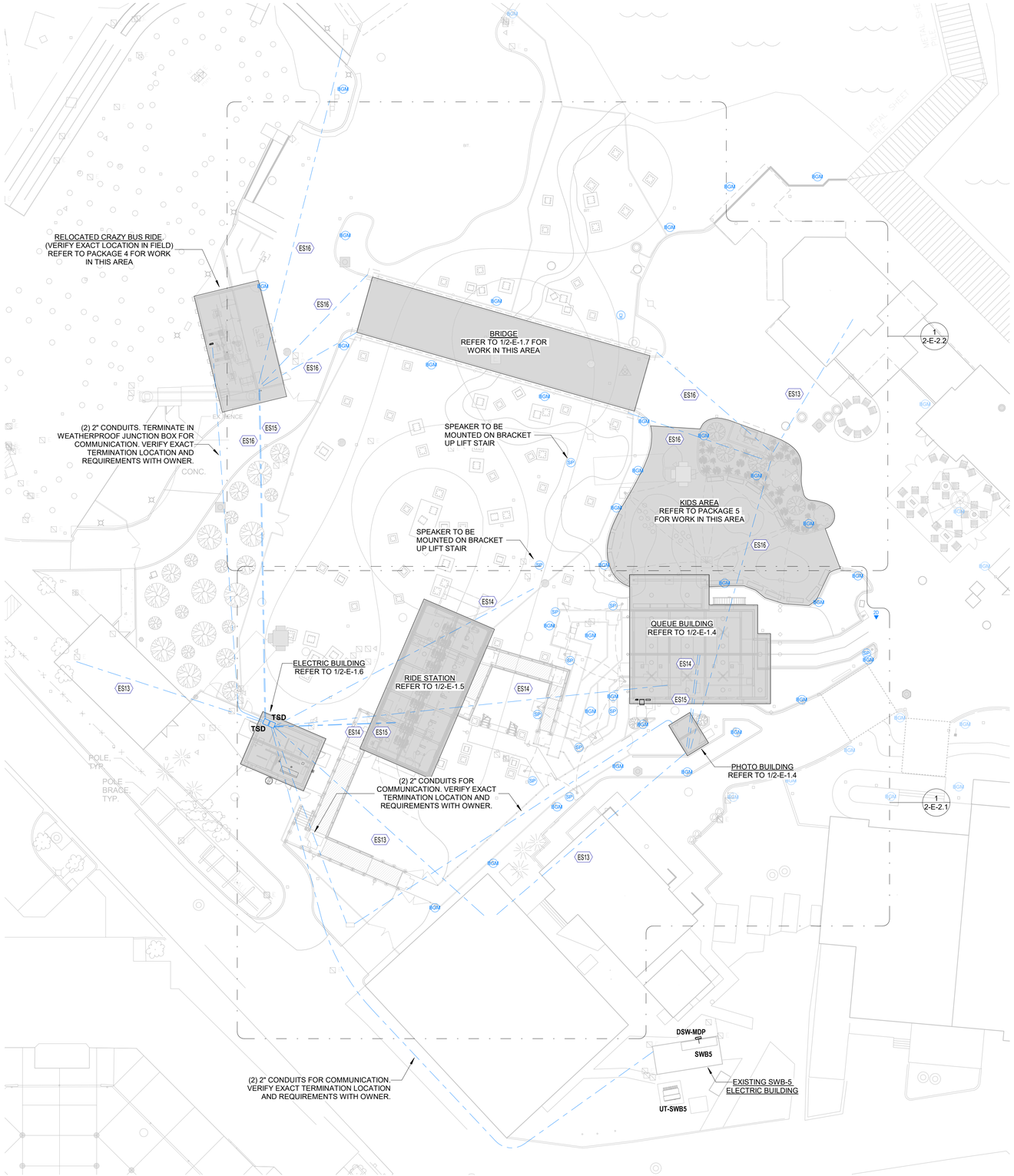

1 SYSTEMS SITE PLAN
2-E-2.0 1" = 20'-0"

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

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KEYNOTES

ES13 ROUTE (1) 2-1/2" CONDUIT FOR FA AUDIO. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

ES14 ROUTE (1) 2-1/2" CONDUIT. TERMINATE IN WEATHERPROOF JUNCTION BOX FOR FA AUDIO. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

ES15 ROUTE (1) 2-1/2" CONDUIT. TERMINATE IN WEATHERPROOF JUNCTION BOX FOR SECURITY CAMERAS. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

ES16 ROUTE (2) 2-1/2" CONDUITS. TERMINATE IN WEATHERPROOF JUNCTION BOX FOR FA AUDIO. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

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062-077877
OF ILLINOIS
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SYSTEMS SITE PLAN
SFGM - COASTER 2027

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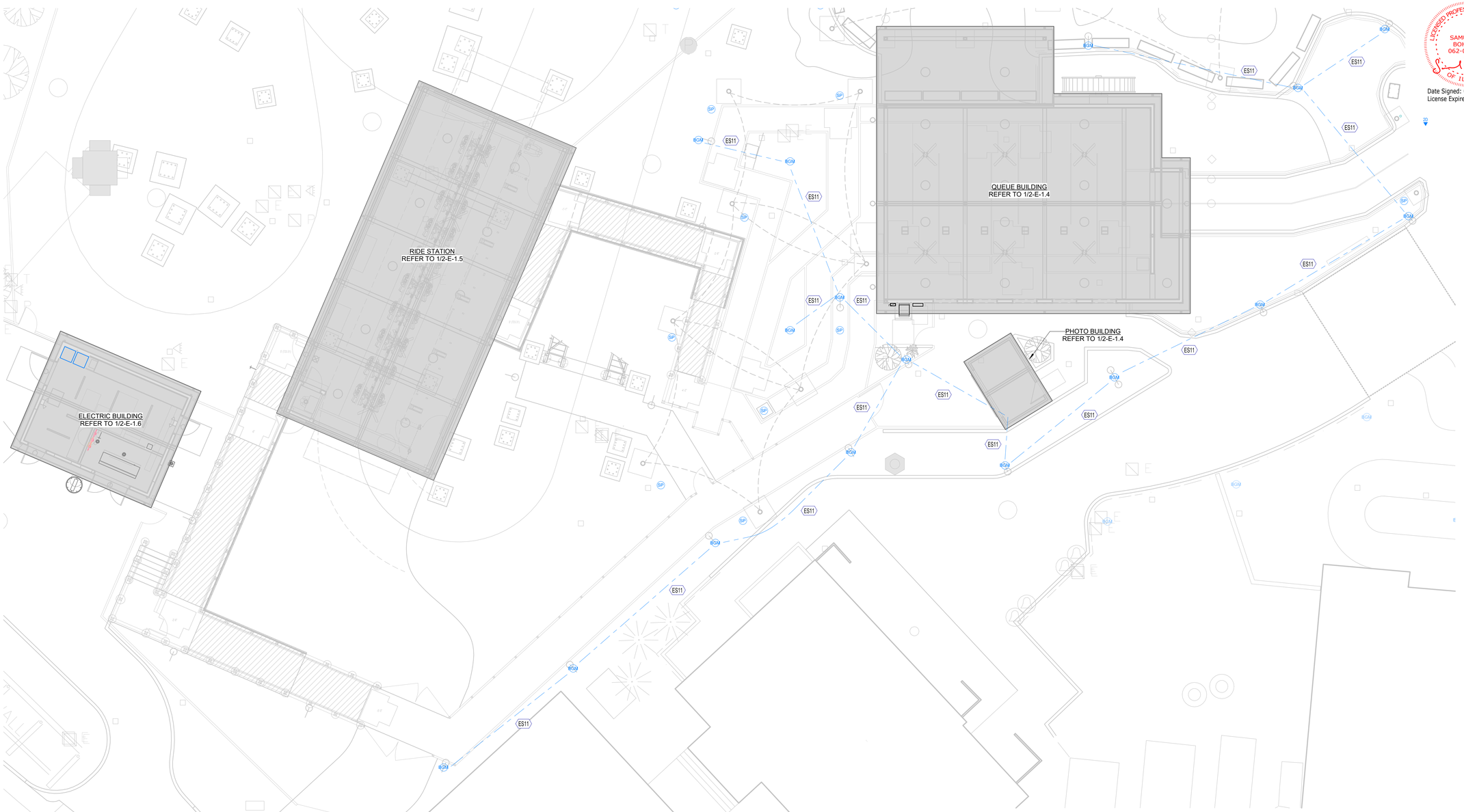

KEYNOTES

ES11 ROUTE (1) 1-1/2" CONDUIT FOR AREA BGM. VERIFY EXACT TERMINATION LOCATION AND REQUIREMENTS WITH OWNER.

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

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1 / 2-E-2.1 ENLARGED SYSTEMS SITE PLAN - SOUTH
1/8" = 1'-0"

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ENLARGED SYSTEMS SITE PLAN - SOUTH

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GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

C. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

D. COORDINATE ALL SITE CONDUIT ROUTING WITH OTHER DISCIPLINES. ROUTING SHOWN ON DRAWINGS IS FOR REFERENCE ONLY AND MAY BE MODIFIED TO ACCOMMODATE FOR SITE CONDITIONS.

KEYNOTES

EP2 ROUTE (1) 2" CONDUIT FROM ELECTRIC BUILDING TSD FOR RIDE CAMERA MOUNTED ON POLE. PROVIDE DEDICATED 20A CIRCUIT ALONG WITH WORK RECEPTACLE ON OR NEAR POLE. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
STATE OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
511 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.8112

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

ENLARGED SYSTEMS SITE PLAN - NORTH

SFGM - COASTER 2027

SHEET NO.
2-E-2.2

2025122.01

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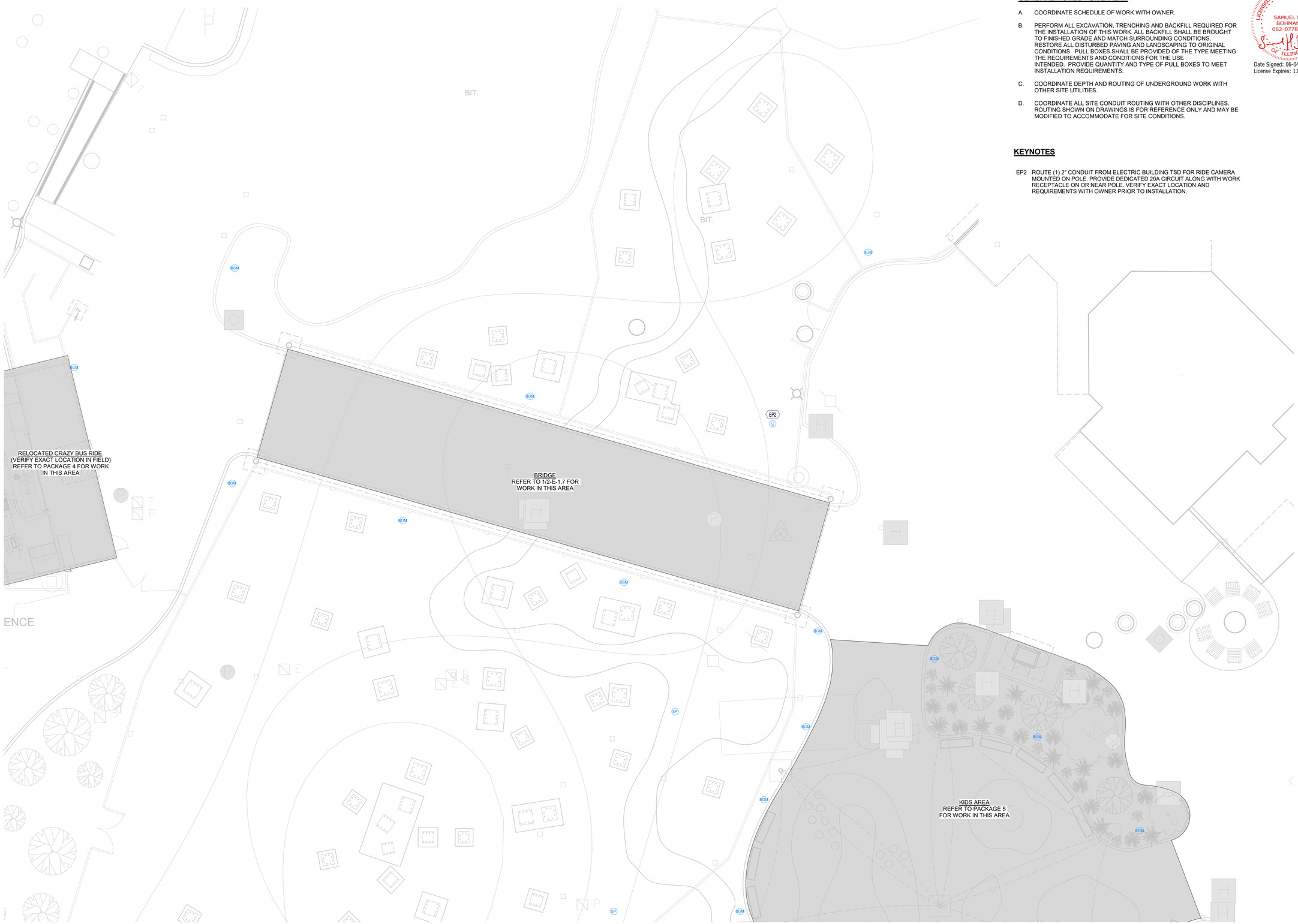

1 ENLARGED SYSTEMS SITE PLAN - NORTH
2-E-2.2 1/8" = 1'-0"

1" REFERENCE LINE

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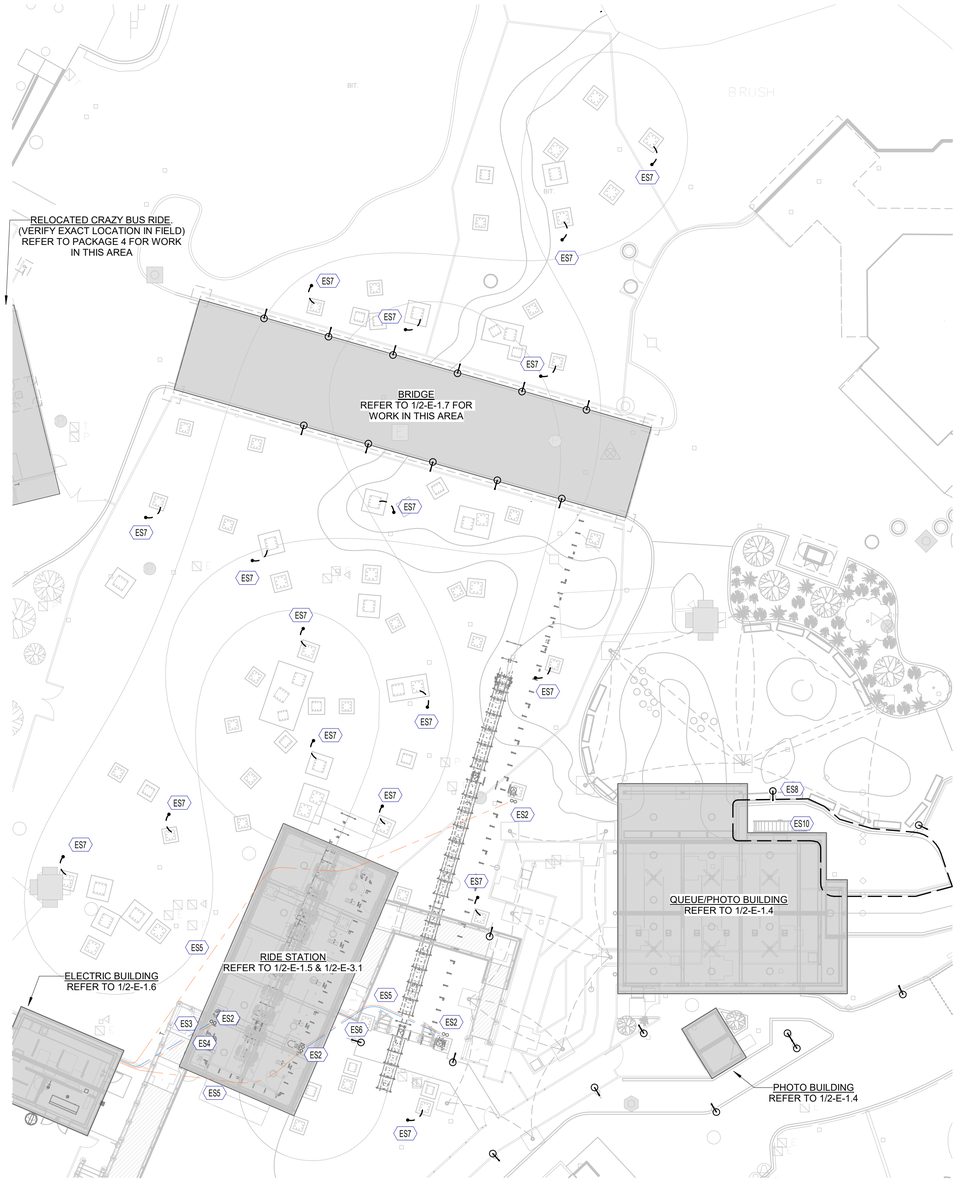
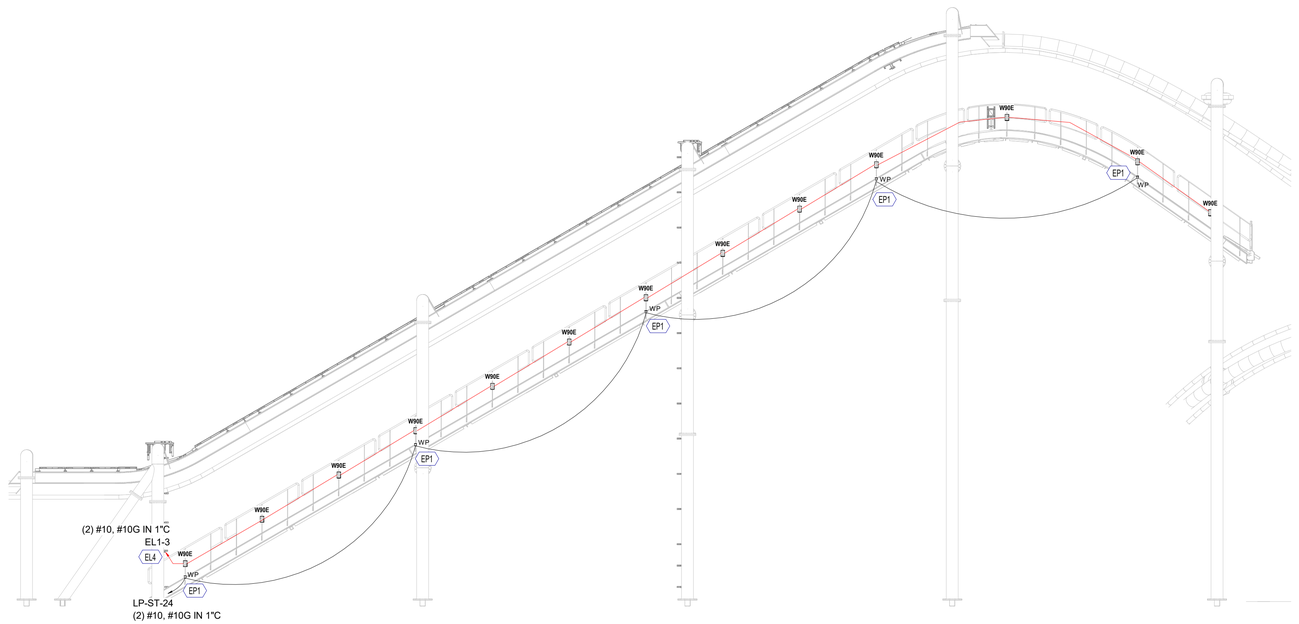


1 2-E-3.0 COASTER ELECTRICAL SITE PLAN
1/16" = 1'-0"



2 2-E-3.0 COASTER LIFT STAIR DETAIL
1/8" = 1'-0"

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

C. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

D. COORDINATE ALL SITE CONDUIT ROUTING WITH OTHER DISCIPLINES. ROUTING SHOWN ON DRAWINGS IS FOR REFERENCE ONLY AND MAY BE MODIFIED TO ACCOMMODATE FOR SITE CONDITIONS.

KEYNOTES

EL4 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.6 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

EP1 MOUNT RECEPTACLE TO BRACKET UP LIFT STAIR. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

ES2 APPROXIMATE STUB-UP LOCATION NEAR RIDE COLUMN. REFER TO MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES3 ROUTE (3) 2" CONDUITS FOR RIDE CONTROL CABLING. REFER TO MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES4 ROUTE (3) 4" CONDUITS FOR RIDE POWER CABLING. REFER TO MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES5 ROUTE (5) 4" CONDUITS AND (1) 4" SPARE CONDUIT FOR RIDE POWER CABLING. REFER TO MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES6 ROUTE (2) 2" CONDUITS FOR RIDE CONTROL CABLING. REFER TO MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES7 #3/0 BARE STRANDED CU. CADWELD PIGTAIL TO 5/8" X 10' GROUND ROD AND CADWELD TO STEEL COLUMN.

ES8 PROVIDE #3/0 BARE STRANDED CU. CONTINUOUS BONDING GRID AROUND WATER FEATURE. BOND STEEL AND ALL METAL PARTS TO GRID. TIE REINFORCING STEEL TO BONDING GRID.

ES10 PUMP EQUIPMENT TO BE BONDED TO CONTINUOUS BONDING GRID.

SPECIAL NOTES - COASTER

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR ADDITIONAL SCOPE OF WORK, EXACT WIRING, AND ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS
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Six Flags Entertainment Corporation

COASTER ELECTRICAL SITE PLAN
SFGM - COASTER 2027

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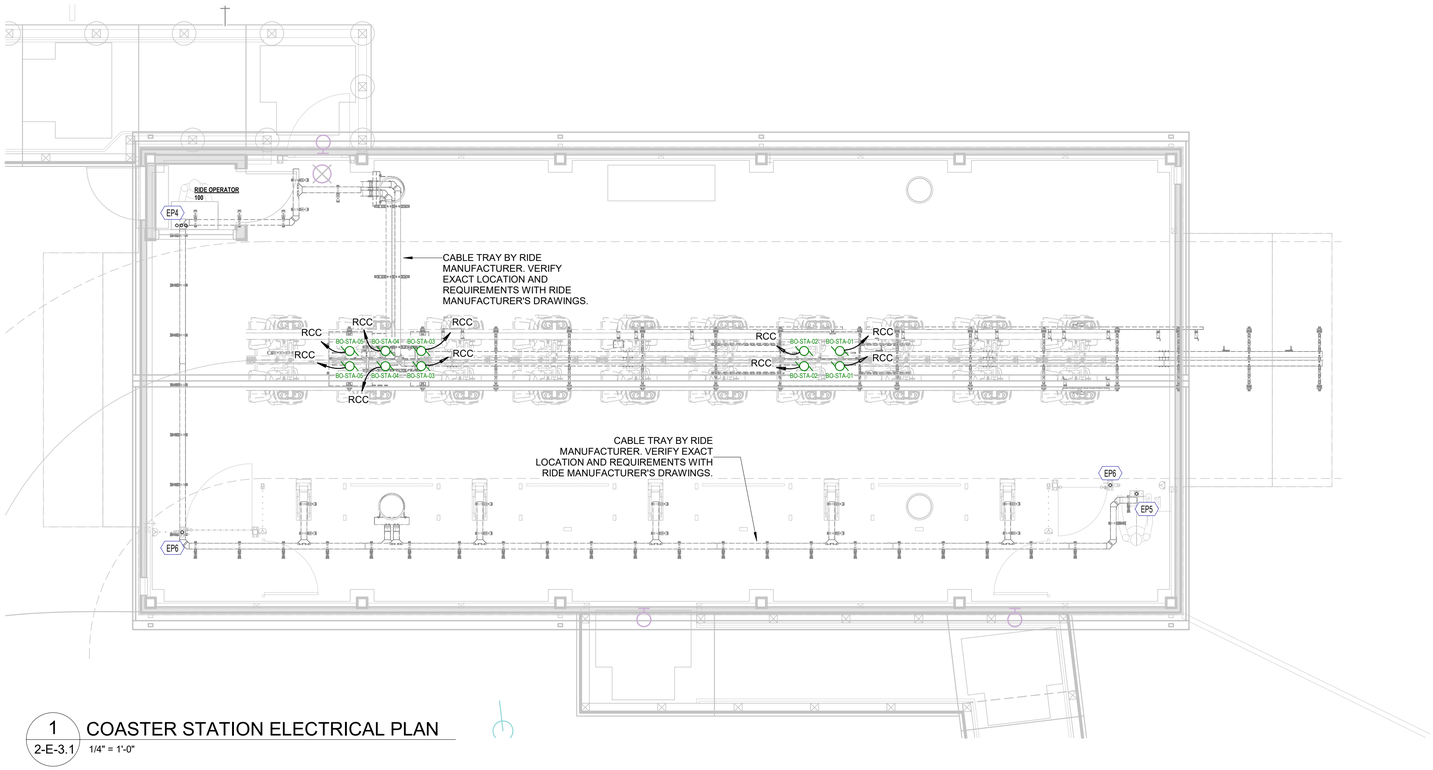
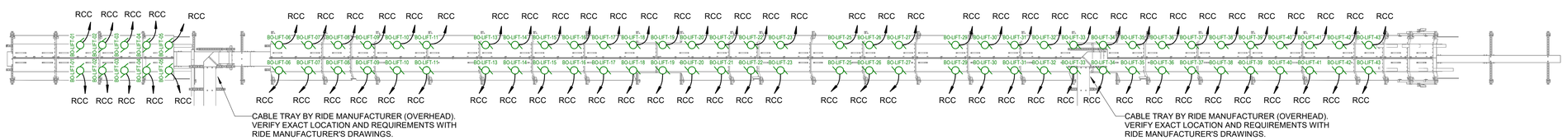


1 / 2-E-3.1 COASTER STATION ELECTRICAL PLAN

1/4" = 1'-0"



2 / 2-E-3.1 COASTER LIFT MOTOR PLAN

1/4" = 1'-0"

SPECIAL NOTES - COASTER

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR ADDITIONAL SCOPE OF WORK, EXACT WIRING, AND ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

C. EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF MECHANICAL CONTROL DEVICES. REFER TO MECHANICAL CONTROLS LEGEND FOR DEVICE DESIGNATION. REFER TO M-SERIES SHEETS FOR EXACT LOCATIONS AND DETAILS FOR EACH DEVICE.

D. EC SHALL BE RESPONSIBLE FOR TECHNOLOGY ROUGH-IN LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

KEYNOTES

EP4 ROUTE (3) 2" CONDUITS TO RIDE OPERATOR CONSOLE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

EP5 ROUTE (1) 2" CONDUIT TO RIDE OPERATOR CONSOLE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

EP6 ROUTE (1) 2" CONDUIT TO GATE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
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311 ELM STREET, SUITE 600
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RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
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Six Flags Entertainment Corporation

COASTER ELECTRICAL STATION PLAN

SFGM - COASTER 2027

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26-POWERED COASTER MOTOR SCHEDULE

MARK	DESCRIPTION	STARTING MEANS		DISCONNECTING MEANS				WIRING NOTES
		TYPE	LOCATION	TYPE	PROVIDED BY	INSTALLED BY	LOCATION	
BO-LIFT-01	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-01	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-02	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-02	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-03	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-03	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-04	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-04	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-05	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-05	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-06	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-06	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-07	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-07	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-08	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-08	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-09	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-09	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-10	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-10	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-11	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-11	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-13	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
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BO-LIFT-21	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
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BO-LIFT-31	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-32	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-32	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-33	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-33	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-34	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-34	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-35	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-35	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-36	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-36	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-37	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-37	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-38	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-38	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-39	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-39	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-40	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-40	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-41	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-41	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-42	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-42	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-43	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-LIFT-43	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-01	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-01	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-02	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-02	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-03	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-03	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-04	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-04	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-05	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION
BO-STA-05	POWERED RIDE MOTOR	RCC	RCC	NEMA 3R DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT	REFER TO RIDE MANUFACTURER DRAWINGS FOR WIRING INFORMATION

SPECIAL NOTES - RIDE CABLE SCHEDULES

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR ADDITIONAL SCOPE OF WORK, EXACT WIRING, AND ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.

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Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 400
CINCINNATI, OHIO 45202 - 513.381.8112

SCALE:
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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Six Flags Entertainment Corporation

COASTER MOTOR SCHEDULES
SFGM - COASTER 2027

SHEET NO.
2-E-3.2

1" REFERENCE LINE

2025122.01

Location	From	To	Control	Cable Type	Construction	Description	[mm]	Remark
+MC-ERO-01/42	+MC-ERO-01	-42M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-45 MOTOR CW BOOSTER 45 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/42	+MC-ERO-01	-42M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-45 MOTOR CCW BOOSTER 45 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/41	+MC-ERO-01	-41M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-44 MOTOR CW BOOSTER 44 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/41	+MC-ERO-01	-41M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-44 MOTOR CCW BOOSTER 44 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/41	+MC-ERO-01	-41M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-43 MOTOR CW BOOSTER 43 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/41	+MC-ERO-01	-41M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-43 MOTOR CCW BOOSTER 43 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/40	+MC-ERO-01	-40M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-42 MOTOR CW BOOSTER 42 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/40	+MC-ERO-01	-40M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-42 MOTOR CCW BOOSTER 42 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/40	+MC-ERO-01	-40M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-41 MOTOR CW BOOSTER 41 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/40	+MC-ERO-01	-40M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-41 MOTOR CCW BOOSTER 41 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/39	+MC-ERO-01	-39M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-40 MOTOR CW BOOSTER 40 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/39	+MC-ERO-01	-39M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-40 MOTOR CCW BOOSTER 40 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/39	+MC-ERO-01	-39M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-39 MOTOR CW BOOSTER 39 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/39	+MC-ERO-01	-39M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-39 MOTOR CCW BOOSTER 39 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/38	+MC-ERO-01	-38M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-38 MOTOR CW BOOSTER 38 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/38	+MC-ERO-01	-38M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-38 MOTOR CCW BOOSTER 38 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/38	+MC-ERO-01	-38M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-37 MOTOR CW BOOSTER 37 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/38	+MC-ERO-01	-38M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-37 MOTOR CCW BOOSTER 37 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/37	+MC-ERO-01	-37M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-36 MOTOR CW BOOSTER 36 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/37	+MC-ERO-01	-37M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-36 MOTOR CCW BOOSTER 36 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/37	+MC-ERO-01	-37M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-35 MOTOR CW BOOSTER 35 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/37	+MC-ERO-01	-37M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-35 MOTOR CCW BOOSTER 35 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/36	+MC-ERO-01	-36M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-34 MOTOR CW BOOSTER 34 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/36	+MC-ERO-01	-36M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-34 MOTOR CCW BOOSTER 34 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/36	+MC-ERO-01	-36M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-33 MOTOR CW BOOSTER 33 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/36	+MC-ERO-01	-36M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-33 MOTOR CCW BOOSTER 33 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/35	+MC-ERO-01	-35M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-32 MOTOR CW BOOSTER 32 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/35	+MC-ERO-01	-35M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-32 MOTOR CCW BOOSTER 32 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/35	+MC-ERO-01	-35M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-31 MOTOR CW BOOSTER 31 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/35	+MC-ERO-01	-35M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-31 MOTOR CCW BOOSTER 31 LIFT	17.90	Lapp P/N 1120366
+MC-ERO-01/34	+MC-ERO-01	-34M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-30 MOTOR CW BOOSTER 30 LIFT	17.90	Lapp P/N 1120366

SPECIAL NOTES - RIDE CABLE SCHEDULES

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LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.8112

SCALE:
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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Six Flags Entertainment Corporation

COASTER CABLE SCHEDULES
SFGM - COASTER 2027

SHEET NO.
2-E-3.3

1" REFERENCE LINE

2025122.01

+MC-ERO-01/34	+MC-ERO-01	-34M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-30 MOTOR CCW BOOSTER 30 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/34	+MC-ERO-01	-34M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-29 MOTOR CW BOOSTER 29 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/34	+MC-ERO-01	-34M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-29 MOTOR CCW BOOSTER 29 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/33	+MC-ERO-01	-33M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-28 MOTOR CW BOOSTER 28 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/33	+MC-ERO-01	-33M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-28 MOTOR CCW BOOSTER 28 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/33	+MC-ERO-01	-33M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-27 MOTOR CW BOOSTER 27 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/33	+MC-ERO-01	-33M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-27 MOTOR CCW BOOSTER 27 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/32	+MC-ERO-01	-32M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-26 MOTOR CW BOOSTER 26 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/32	+MC-ERO-01	-32M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-26 MOTOR CCW BOOSTER 26 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/32	+MC-ERO-01	-32M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-25 MOTOR CW BOOSTER 25 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/32	+MC-ERO-01	-32M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-25 MOTOR CCW BOOSTER 25 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/31	+MC-ERO-01	-31M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-24 MOTOR CW BOOSTER 24 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/31	+MC-ERO-01	-31M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-24 MOTOR CCW BOOSTER 24 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/31	+MC-ERO-01	-31M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-23 MOTOR CW BOOSTER 23 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/31	+MC-ERO-01	-31M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-23 MOTOR CCW BOOSTER 23 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/30	+MC-ERO-01	-30M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-22 MOTOR CW BOOSTER 22 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/30	+MC-ERO-01	-30M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-22 MOTOR CCW BOOSTER 22 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/30	+MC-ERO-01	-30M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-21 MOTOR CW BOOSTER 21 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/30	+MC-ERO-01	-30M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-21 MOTOR CCW BOOSTER 21 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/29	+MC-ERO-01	-29M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-20 MOTOR CW BOOSTER 20 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/29	+MC-ERO-01	-29M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-20 MOTOR CCW BOOSTER 20 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/29	+MC-ERO-01	-29M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-19 MOTOR CW BOOSTER 19 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/29	+MC-ERO-01	-29M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-19 MOTOR CCW BOOSTER 19 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/28	+MC-ERO-01	-28M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-18 MOTOR CW BOOSTER 18 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/28	+MC-ERO-01	-28M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-18 MOTOR CCW BOOSTER 18 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/28	+MC-ERO-01	-28M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-17 MOTOR CW BOOSTER 17 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/28	+MC-ERO-01	-28M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-17 MOTOR CCW BOOSTER 17 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/27	+MC-ERO-01	-27M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-16 MOTOR CW BOOSTER 16 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/27	+MC-ERO-01	-27M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-16 MOTOR CCW BOOSTER 16 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/27	+MC-ERO-01	-27M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-15 MOTOR CW BOOSTER 15 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/27	+MC-ERO-01	-27M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-15 MOTOR CCW BOOSTER 15 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/26	+MC-ERO-01	-26M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-14 MOTOR CW BOOSTER 14 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/26	+MC-ERO-01	-26M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-14 MOTOR CCW BOOSTER 14 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/26	+MC-ERO-01	-26M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-13 MOTOR CW BOOSTER 13 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/26	+MC-ERO-01	-26M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-13 MOTOR CCW BOOSTER 13 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/25	+MC-ERO-01	-25M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-12 MOTOR CW BOOSTER 12 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/25	+MC-ERO-01	-25M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-12 MOTOR CCW BOOSTER 12 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/25	+MC-ERO-01	-25M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-11 MOTOR CW BOOSTER 11 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/25	+MC-ERO-01	-25M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-11 MOTOR CCW BOOSTER 11 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/24	+MC-ERO-01	-24M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-10 MOTOR CW BOOSTER 10 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/24	+MC-ERO-01	-24M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-10 MOTOR CCW BOOSTER 10 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/24	+MC-ERO-01	-24M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-09 MOTOR CW BOOSTER 9 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/24	+MC-ERO-01	-24M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-09 MOTOR CCW BOOSTER 9 LIFT	17.90 Lapp P/N 1120366

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DATE: 06-05-2026
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+MC-ERO-01/23	+MC-ERO-01	-23M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-08 MOTOR CW BOOSTER 8 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/23	+MC-ERO-01	-23M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-08 MOTOR CCW BOOSTER 8 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/23	+MC-ERO-01	-23M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-07 MOTOR CW BOOSTER 7 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/23	+MC-ERO-01	-23M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-07 MOTOR CCW BOOSTER 7 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/22	+MC-ERO-01	-22M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-06 MOTOR CW BOOSTER 6 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/22	+MC-ERO-01	-22M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-06 MOTOR CCW BOOSTER 6 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/22	+MC-ERO-01	-22M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-05 MOTOR CW BOOSTER 5 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/22	+MC-ERO-01	-22M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-05 MOTOR CCW BOOSTER 5 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/21	+MC-ERO-01	-21M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-04 MOTOR CW BOOSTER 4 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/21	+MC-ERO-01	-21M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-04 MOTOR CCW BOOSTER 4 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/21	+MC-ERO-01	-21M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-03 MOTOR CW BOOSTER 3 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/21	+MC-ERO-01	-21M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-03 MOTOR CCW BOOSTER 3 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/20	+MC-ERO-01	-20M6	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-02 MOTOR CW BOOSTER 2 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/20	+MC-ERO-01	-20M8	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-02 MOTOR CCW BOOSTER 2 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/20	+MC-ERO-01	-20M2	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-01 MOTOR CW BOOSTER 1 LIFT	17.90 Lapp P/N 1120366
+MC-ERO-01/20	+MC-ERO-01	-20M4	Power	ÖLFLEX TRAY II	4G10AWG (6mm²)	BO-LFT-01 MOTOR CCW BOOSTER 1 LIFT	17.90 Lapp P/N 1120366

SPECIAL NOTES - RIDE CABLE SCHEDULES

A. REFER TO RIDE MANUFACTURER'S DRAWINGS AND DOCUMENTATION FOR ADDITIONAL SCOPE OF WORK, EXACT WIRING, AND ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.

6/4/2026 1:12:59 PM

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.2112

SCALE:
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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COASTER CABLE SCHEDULES
SFGM - COASTER 2027

SHEET NO.
2-E-3.5

1" REFERENCE LINE

2025122.01

Panelboard: MDP

Location:
Supply From: SWB5
Mounting: Wall Mounted
Enclosure: NEMA 1

Volts: 480Y/277 V
Phases: 3
Wires: 4

A.I.C. Rating: 18,000
Mains Type: MCB
Panel & MCB Rating 1200.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	RCC	LSIG	800	3	178533	33216					3	150		RELOCATED CRAZY BUS	2
3	--	--	--	--			178533	33216			--	--	--	--	4
5	--	--	--	--					178533	33216	--	--	--	--	6
7	TLP-ST, LP-ST		125	3	8339	4524					3	50		TLP-PH, LP-PH	8
9	--	--	--	--			7920	4106			--	--	--	--	10
11	--	--	--	--					8604	4766	--	--	--	--	12
13															14
15															16
17															18
19															20
21															22
23															24
25															26
27															28
29															30
31															32
33															34
35															36
37	Spare		200	3	0	0					3	100		Spare	38
39	--	--	--	--			0	0			--	--	--	--	40
41	--	--	--	--					0	0	--	--	--	--	42
			Total Load:		224612 VA		223775 VA		225119 VA						
			Total Amps:		811.3 A		807.9 A		813.2 A						

DESCRIPTION ABBREVIATION LEGEND:	DEVICE NOTES LEGEND:	Panel Totals	
L = LIGHTS	GFI = GFI BREAKER, IF UNAVAILABLE SUBSTITUTE WITH GFI RELAY MODULE		
R = RECEPTACLES	LOD = LOCK ON/OFF DEVICE	**Total Conn. Load:**	673505 VA
M = MECHANICAL EQUIPMENT	SPD = SURGE PROTECTION DEVICE	**Total Est. Demand:**	673505 VA
P = PLUMBING EQUIPMENT	BM = BRANCH CIRCUIT LEVEL METERING	**Total Conn. Current:**	810.1 A
		Total Est. Demand Current:	810.1 A

Notes:

Panelboard: LP-ST

Location:
Supply From: TLP-ST
Mounting: Wall Mounted
Enclosure: NEMA 1

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Panel & MCB Rating 225.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	L - SITE POLE LIGHTS		20	1	128	321					1	30	LOD	EL1 - LIGHTING INVERTER	2
3	L - ELECTRIC BUILDING		20	1			182	2049			2	30		M - PTAC-1	4
5	L - STATION		20	1					126	2049	--	--	--	--	6
7	L - BRIDGE		20	1	192	2049					2	30		M - PTAC-2	8
9	L - CRAZY BUS		20	1			64	2049			--	--	--	--	10
11	CEILING FANS - STATION		20	1					720	2049	2	30		M - PTAC-3	12
13	CEILING FANS - STATION		20	1	1080	2049					--	--	--	--	14
15	R - COMPRESSOR ROOM		20	1			540	576			1	15		M - EF-1	16
17	R - ELEC ROOM WORK DESK		20	1					360	540	1	20		R - STATION	18
19	R - ELEC ROOM		20	1	540	540					1	20		R - OPERATOR BOOTH	20
21	R - TECH RACK		20	1			1200	360			1	20		R - SECONDARY RIDE OPERATOR	22
23	R - TECH RACK		20	1					1200	900	1	20		R - LIFT STAIR	24
25	R - ELEC BLDG EXTERIOR		20	1	540	360					1	20		R - RIDE CAMERA	26
27	R - CRAWL SPACE		20	1			540	360			1	20		MAG LOCK GATES (STATION)	28
29	R - CRAZY BUS		20	1					360	300	1	20		INTERIOR LIGHTING CONTACTOR	30
31	MAG LOCK GATES (CRAZY BUS)		20	1	240	300					1	20		EXTERIOR LIGHTING CONTACTOR	32
33															34
35															36
37															38
39															40
41															42
43															44
45															46
47															48
49															50
51															52
53															54
55	Spare		20	1	0	0					1	20		Spare	56
57	Spare		20	1			0	0			1	20		Spare	58
59	Spare		20	1					0	0	1	20		Spare	60
			Total Load:		8339 VA		7920 VA		8604 VA						
			Total Amps:		70.0 A		66.0 A		72.2 A						

DESCRIPTION ABBREVIATION LEGEND:	DEVICE NOTES LEGEND:	Panel Totals	
L = LIGHTS	GFI = GFI BREAKER, IF UNAVAILABLE SUBSTITUTE WITH GFI RELAY MODULE		
R = RECEPTACLES	LOD = LOCK ON/OFF DEVICE	**Total Conn. Load:**	24862 VA
M = MECHANICAL EQUIPMENT	SPD = SURGE PROTECTION DEVICE	**Total Est. Demand:**	24862 VA
P = PLUMBING EQUIPMENT	BM = BRANCH CIRCUIT LEVEL METERING	**Total Conn. Current:**	69.0 A
		Total Est. Demand Current:	69.0 A

Notes:

Panelboard: LP-PH

Location:
Supply From: TLP-PH
Mounting: Wall Mounted
Enclosure: NEMA 3R

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Panel & MCB Rating 100.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	L - SITE POLES, ENTRY SIGN		20	1	218	360					1	20		R - KIDS AREA	2
3	L - EXTERIOR QUEUE BUILDING		20	1			96	900			1	20		R - QUEUE BUILDING	4
5	L - INTERIOR QUEUE BUILDING		20	1					160	1440	1	20		R - FACE PAINT PEDESTAL	6
7	CEILING FANS - SOUTH QUEUE		20	1	1080	600					1	20		TEST SEAT	8
9	CEILING FANS - NORTH QUEUE		20	1			1080	300			1	20		INTERIOR LIGHTING CONTACTOR	10
11	WHEEL PUMP		20	1					1200	300	1	20		EXTERIOR LIGHTING CONTACTOR	12
13	ENTRANCE SIGNAGE		20	1	600										14
15	MICRO INVERTER	LOD	20	1			64								16
17															18
19						1666					3	60		PHOTO BUILDING PANEL (EXISTING)	20
21								1666			--	--	--	--	22
23										1666	--	--	--	--	24
25	Spare		20	1	0	0					1	20		Spare	26
27	Spare		20	1			0	0			1	20		Spare	28
29	Spare		20	1					0	0	1	20		Spare	30
			Total Load:		4524 VA		4106 VA		4766 VA						
			Total Amps:		38.2 A		34.2 A		40.3 A						

DESCRIPTION ABBREVIATION LEGEND:	DEVICE NOTES LEGEND:	Panel Totals	
L = LIGHTS	GFI = GFI BREAKER, IF UNAVAILABLE SUBSTITUTE WITH GFI RELAY MODULE		
R = RECEPTACLES	LOD = LOCK ON/OFF DEVICE	**Total Conn. Load:**	13396 VA
M = MECHANICAL EQUIPMENT	SPD = SURGE PROTECTION DEVICE	**Total Est. Demand:**	13396 VA
P = PLUMBING EQUIPMENT	BM = BRANCH CIRCUIT LEVEL METERING	**Total Conn. Current:**	37.2 A
		Total Est. Demand Current:	37.2 A

Notes:

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

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311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8313

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REVISION	DESCRIPTION

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8827 Rossash Road
Cincinnati, OH 45236
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PANEL SCHEDULES

SFGM - COASTER 2027

SHEET NO.
2-E-4.0

1" REFERENCE LINE

2025122.01

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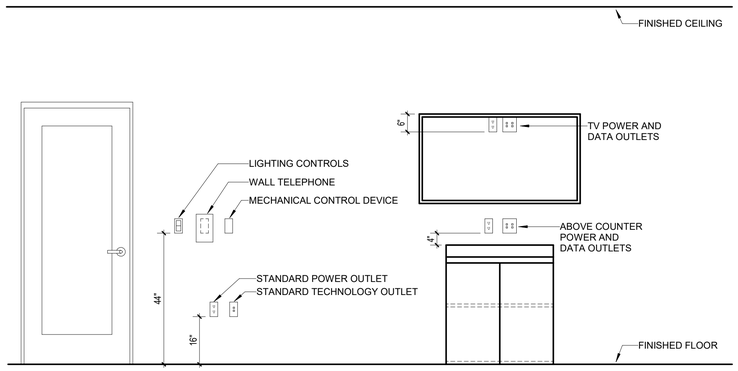


1 2-E-5.0 TYPICAL DEVICE MOUNTING LOCATION (COASTER)

TRANSFORMER MOUNTING METHODS

UNIT WEIGHT	CONSTRUCTION TYPE	FLOOR MOUNTING (CONCRETE PAD)	FLOOR-MOUNTED STEEL FRAME	MODIFIED TRAPEZE	WALL MOUNT BRACKETS IN CMU
LESS THAN 350LB	EXISTING CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PERMITTED (*B)
	NEW CONSTRUCTION	PERMITTED	PERMITTED	PERMITTED	PERMITTED (*B)
350LB OR MORE	EXISTING CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PROHIBITED
	NEW CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PROHIBITED

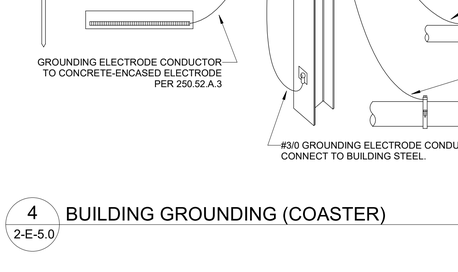
GENERAL NOTES

1. TRANSFORMER UNIT WEIGHTS MUST BE VERIFIED BY THE ELECTRICAL AND STRUCTURAL ENGINEER PRIOR TO PURCHASE.
2. ALL TRANSFORMER SUSPENSION METHODS MUST BE COORDINATED WITH AND APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

*** REFERENCE NOTES**

A. APPROVAL OF MODIFIED TRAPEZE MAY BE PERMITTED BY STRUCTURAL ENGINEER.

B. WALL MOUNT BRACKETS MUST BE SUPPLIED AND ENGINEERED BY THE TRANSFORMER MANUFACTURER. WALL MOUNT BRACKETS MAY NOT BE USED FOR ANY WALL TYPE OTHER THAN CMU BLOCK.



TRANSFORMER GROUNDING NOTES:

1. EQUIPMENT GROUNDING CONDUCTOR (EGC)
   REFER TO SINGLE LINE DIAGRAM FOR PRIMARY-SIDE FEEDER AND EGC SIZING.
2. GROUNDING ELECTRODE CONDUCTOR (GEC)
   CONNECT GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL. INSTALL IN ACCORDANCE WITH NEC 250.64. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.
3. METAL PIPING BONDING JUMPER (MPBJ)
   CONNECT LOCAL METAL WATER PIPING TO GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM. INSTALL IN ACCORDANCE WITH NEC 250.104(D). CONDUCTOR SIZE SHALL BE EQUAL TO SBJ SIZE.
4. SYSTEM BONDING JUMPER (SBJ)
   CONNECT GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM TO TRANSFORMER ENCLOSURE. INSTALL IN ACCORDANCE WITH NEC 250.30. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.
5. SUPPLY SIDE BONDING JUMPER (SSBJ)
   CONNECT TRANSFORMER ENCLOSURE TO THE ENCLOSURE OF THE SECONDARY-SIDE DISCONNECTING MEANS. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.

2 2-E-5.0 TRANSFORMER GROUNDING DETAIL (COASTER)

3 2-E-5.0 TRANSFORMER MOUNTING DETAIL (COASTER)

4 2-E-5.0 BUILDING GROUNDING (COASTER)

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LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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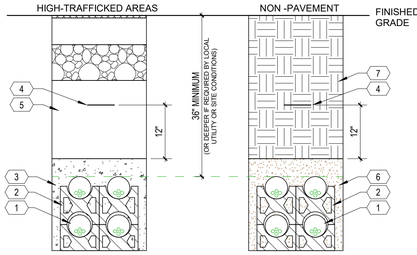
ELECTRICAL DETAILS
SFGM - COASTER 2027

SHEET NO.
2-E-5.0

1" REFERENCE LINE

2025122.01



GENERAL NOTES:

A. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY

B. NUMBER OF CONDUITS IN TRENCH ARE AS INDICATED ON PLANS

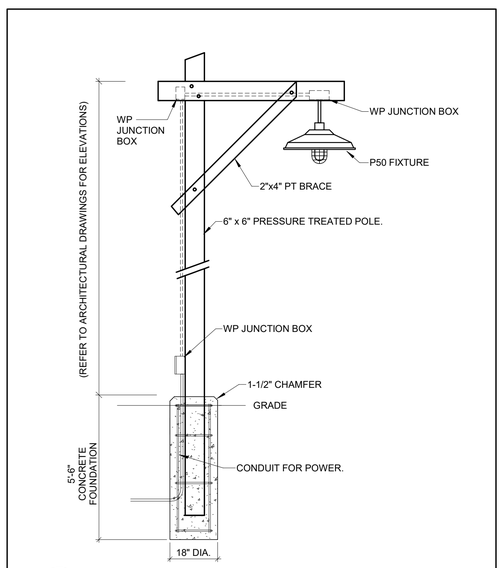
C. ALL UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS

D. PROVIDE ALL EMPTY UNDERGROUND CONDUITS WITH PULLWIRE

DETAIL NOTES:

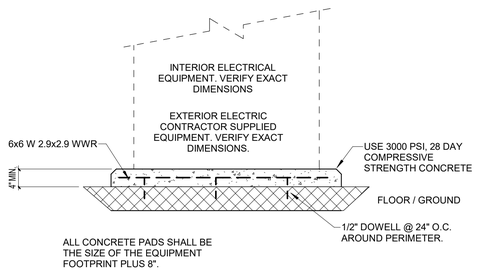
1. SCHEDULE 40 PVC DUCT, SIZE AS INDICATED ON DRAWINGS. MINIMUM 2" SPACING BETWEEN DUCTS FOR LIKE SERVICES, AND 4" SPACING BETWEEN POWER AND COMMUNICATIONS DUCT.
2. PVC INTERLOCKING DUCT SPACERS. PROVIDE EVERY 48" OC, AND WITHIN 24" OF DUCT ENDS.
3. EXCAVATE TRENCH 4" WIDER THAN DUCT ON EACH SIDE. PROVIDE 3000 PSI, 28-DAY STRENGTH CONCRETE ENCASEMENT, WITH RED DYE. USE WALLS OF TRENCH TO FORM SIZE WALLS OF DUCT BANK ONLY WHERE SOIL IS SELF-SUPPORTING AND CONCRETE CAN BE POURED WITH NO SOIL INCLUSIONS. OTHERWISE, USE FORMS.
4. RED WARNING TAPE, NO LESS THAN 12" ABOVE DUCT BANKS.
5. COMPACTED BACKFILL AND PAVEMENT, VARIES BASED ON INSTALLATION LOCATION. COMPLY WITH DIV. 31 REQUIREMENTS.
6. EXCAVATE TRENCH 4" WIDER THAN DUCT ON EACH SIDE. PROVIDE MINIMUM 3" OF SAND AS BED FOR DUCT, AND PLACE SAND TO MINIMUM 6" ABOVE TOP OF DUCT.
7. COMPACTED BACKFILL. COMPLY WITH DIV. 31 REQUIREMENTS.

1 / 2-E-5.1 DUCT BANK DETAIL

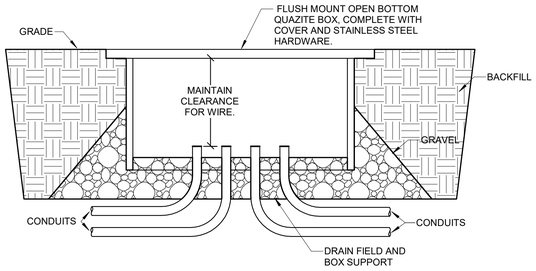


2 / 2-E-5.1 RLM POLE BASE DETAIL - COASTER

SPECIAL NOTE:
FIELD VERIFY FINAL MOUNTING LOCATIONS AND REQUIREMENTS WITH OWNER.



3 / 2-E-5.1 EQUIPMENT MAINTENANCE PAD DETAIL



4 / 2-E-5.1 FLUSH MOUNT IN-GROUND ENCLOSURE

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
511 ELM STREET, SUITE 400
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SCALE: As Indicated
DATE: 06-05-2026
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ELECTRICAL DETAILS

SFGM - COASTER 2027

SHEET NO.
2-E-5.1

2025122.01

1" REFERENCE LINE

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Lighting Inverter: EL1

Location:
Supply From: LP-ST

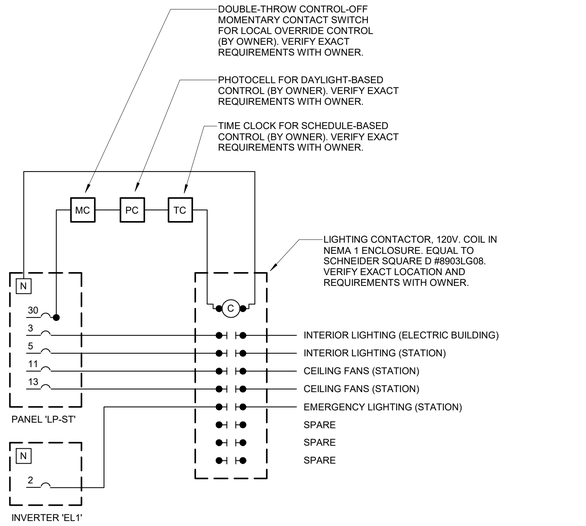
Volts: 120V
Phases: 1

Minimum Rating: 1000 VA

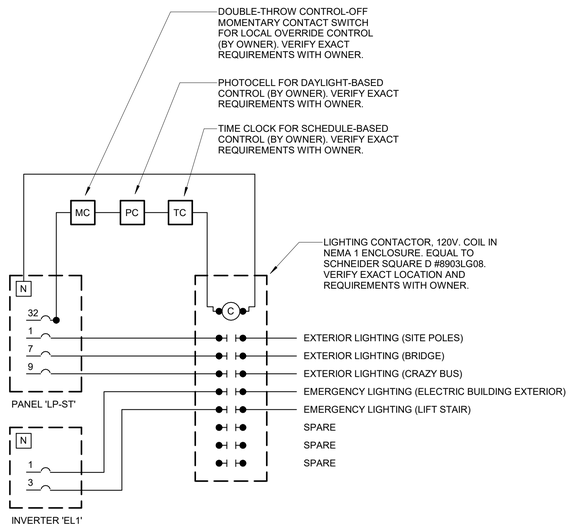
CKT	Circuit Description	Trip	Poles	Load
1	L - EM - ELEC BUILDING EXTERIOR	20.0 A	1	64 VA
2	L - EM - STATION	20.0 A	1	101 VA
3	L - EM - LIFT STAIR	20.0 A	1	156 VA
4	Spare	20.0 A	1	0 VA

Panel Totals	
Total Conn. Load:	321 VA
Total Conn. Current:	2.7 A

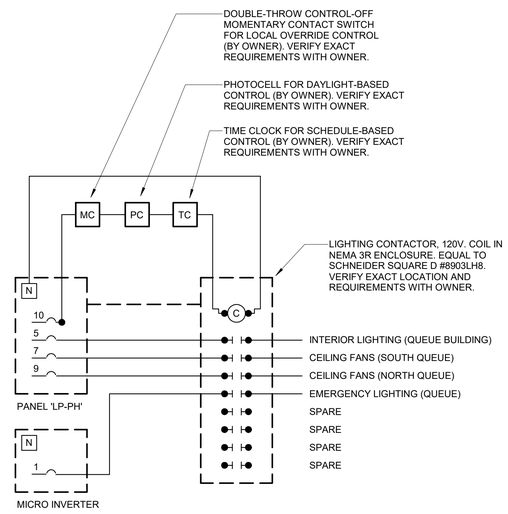
Notes:



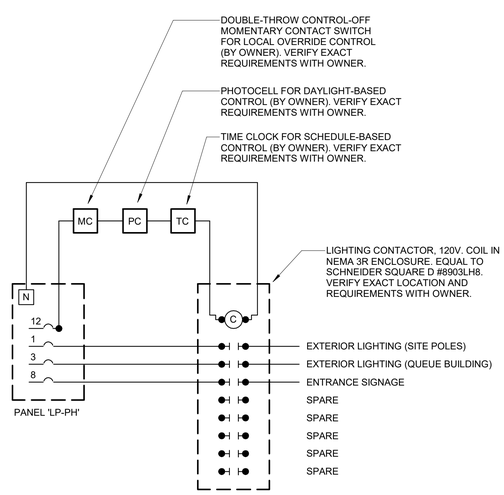
3 2-E-5.2 INTERIOR LIGHTING CONTACTOR DIAGRAM - ELECTRIC BUILDING



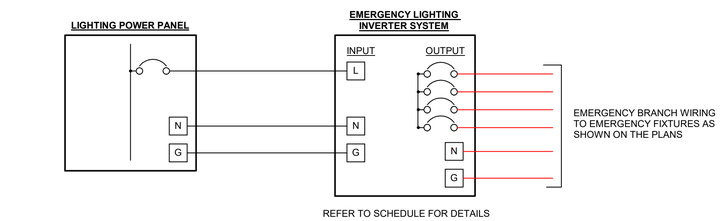
4 2-E-5.2 EXTERIOR LIGHTING CONTACTOR DIAGRAM - ELECTRIC BUILDING



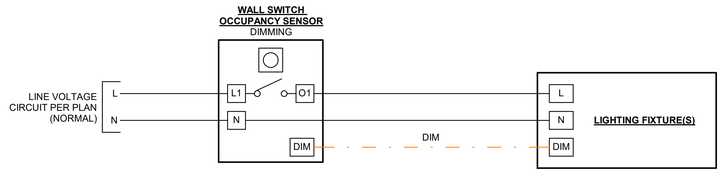
5 2-E-5.2 INTERIOR LIGHTING CONTACTOR DIAGRAM - QUEUE BUILDING



6 2-E-5.2 EXTERIOR LIGHTING CONTACTOR DIAGRAM - QUEUE BUILDING



1 2-E-5.2 CONTROL DETAIL - EMERGENCY LIGHTING INVERTER SYSTEM (COASTER)



2 2-E-5.2 CONTROL DETAIL - WALL SWITCH OSD - DIMMING

SAMUEL H. BOHMAN 062-077877 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
313 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8313

SCALE: NOT TO SCALE
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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Six Flags Entertainment Corporation

ELECTRICAL DETAILS
SFGM - COASTER 2027

SHEET NO.
2-E-5.2

2025122.01

1" REFERENCE LINE

6/4/2026 1:13:00 PM

SINGLE LINE DIAGRAM SYMBOL LEGEND

GENERAL NOTES:

1. SYMBOLS IN THIS LEGEND MAY NOT ALL APPEAR IN THE DRAWINGS.
2. NOT ALL EQUIPMENT OPTIONS AND REQUIREMENTS ARE INDICATED ON THE SINGLE LINE DIAGRAM.
3. REFER TO DIV. 26 SPECIFICATION SECTIONS FOR DETAILED REQUIREMENTS FOR ELECTRICAL DISTRIBUTION INFRASTRUCTURE.
4. INFORMATION ABOUT EXISTING EQUIPMENT IS BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.
5. EXISTING FEEDER CONDUCTORS ARE ASSUMED TO BE COPPER.
6. ALL EQUIPMENT OUTSIDE OF "NEW WORK" SCOPE BOXES IS FOR REFERENCE ONLY.

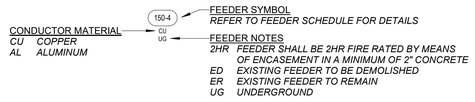
OPTIONS AND ABBREVIATIONS:

2N	200% NEUTRAL
FTL	FEED THRU LUGS
GF	GROUND FAULT PROTECTION
PLP	PHASE LOSS PROTECTION
SE	SERVICE ENTRY RATED
SM	INTEGRAL MAINS SUBMETERING
SPD	INTEGRAL SURGE PROTECTION DEVICE
ST	SHUNT TRIP MAIN BREAKER
UM	UTILITY METERING

GENERIC SYMBOLS

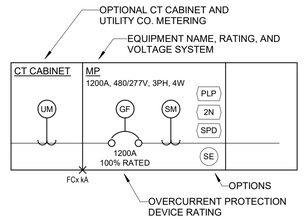
20A 1P	CIRCUIT BREAKER *TRIP RATING* *NUMBER OF POLES*	20A 1P	SWITCH *SWITCH RATING* *NUMBER OF POLES*
FCx kA	CALCULATED FAULT CURRENT POINT	20A	FUSE *TRIP RATING*
M	ELECTRICAL METER		EQUIPMENT GROUND
	ELECTRIC MOTOR	G	ELECTRIC GENERATOR

FEEDER SYMBOL

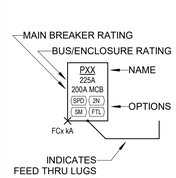


SPECIFIC EQUIPMENT

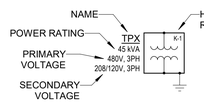
SWITCHBOARD / DISTRIBUTION PANELBOARD



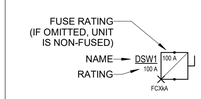
PANELBOARD



DISTRIBUTION TRANSFORMER



DISCONNECT SWITCH



ELECTRICAL SERVICE CALCULATIONS

MODIFICATIONS TO AN EXISTING SERVICE

EXISTING BUILDING LOADS	
PEAK 12-MONTH DEMAND	337.6 kW
ADD 25% (PER NEC 220.87)	84.4 kW
TOTAL EXISTING DEMAND LOAD:	**422 kW**
NEW LOADS	
NEW COASTER (PANEL 'MDP')	674 kW
TOTAL NEW CALCULATED LOAD:	**674 kW**
TOTAL CALCULATED LOAD:	**1,096 kW**
1,318A @ 480V / 3PH	
EXISTING 2500A SERVICE IS SUFFICIENT	

FEEDER SCHEDULE

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	EGC SIZE	CONDUIT SIZE
30-2	CU	1	2	#10	#10	3/4"
50-3VD	CU	1	3	#4	#6	3/4"
125-3	CU	1	3	#1	#6	1 1/4"
150-3	CU	1	3	#1/0	#6	1 1/2"
800-4	CU	2	4	600 KCMIL	#1/0	3 1/2"
1200-4	CU	3	4	600 KCMIL	#3/0	3 1/2"

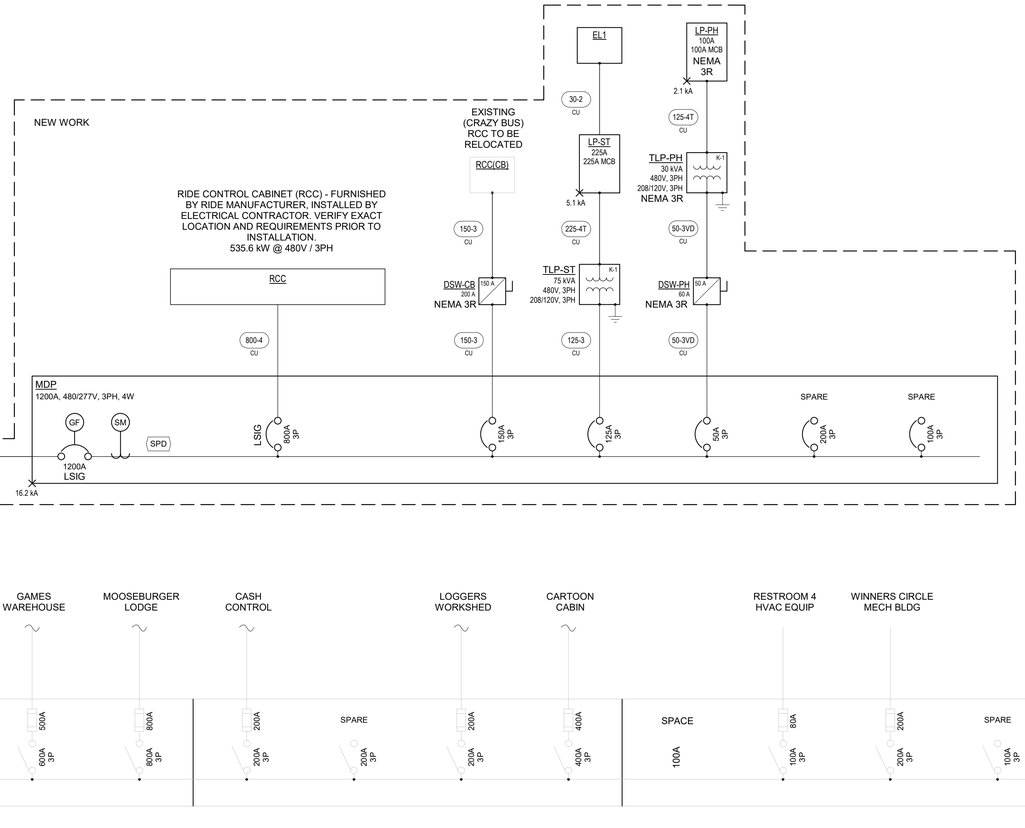
TRANSFORMER FEEDER AND GROUNDING SCHEDULE

NOTES:

1. REFER TO TRANSFORMER GROUNDING DETAIL FOR ADDITIONAL INFORMATION.
2. SUPPLY SIDE BONDING JUMPER (SSBJ) SHALL BE PULLED IN EACH SET OF PARALLLEL CONDUITS.

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	SSBJ SIZE	CONDUIT SIZE	GEC SIZE	SBJ SIZE
125-4T	CU	1	4	#1	#6	1 1/2"	#6	#6
225-4T	CU	1	4	#4/0	#2	2 1/2"	#2	#2

KEYNOTES



SPECIAL NOTES - SINGLE LINE DIAGRAM

A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE ARC FLASH STUDY WITH ALL AFFECTED AND NEW ELECTRICAL EQUIPMENT BEING LABELED. VERIFY EXACT REQUIREMENTS WITH OWNER.

1 SINGLE LINE DIAGRAM - COASTER

2-E-6.0

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07787
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 · 513.621.2112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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ELECTRICAL SINGLE LINE DIAGRAM

SFGM - COASTER 2027

SHEET NO.
2-E-6.0

2025122.01

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1" REFERENCE LINE

6/4/2026 1:13:01 PM

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119340
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	414
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Warehouse (Warehouse) : Nonresidential	414

Proposed Exterior Lighting Controls

Fixture	Lighting Control
Building Entrance (EAST) (Pedestrian and vehicular entrances and exits, 3 ft of door width)	
R16W: R16W: LED:	Daylight Shutoff
Building Entrance (SOUTHWEST) (Pedestrian and vehicular entrances and exits, 3 ft of door width)	
R16W: R16W: LED:	Daylight Shutoff
Building Entrance (SOUTHEAST) (Pedestrian and vehicular entrances and exits, 6 ft of door width)	
R16W: R16W: LED:	Daylight Shutoff
Building Entrance (WEST) (Pedestrian and vehicular entrances and exits, 4 ft of door width)	
R16W: R16W: LED:	Daylight Shutoff

Exterior Lighting PASSES: Design 85% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cole Trejchel *Cole Trejchel* 06/04/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and, branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E series sheets
4.2.2, 9.4.3, 9.7 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets
9.7 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 2-E-1.6 / 2-E-5.2

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10][1]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
8.4.3 [EL11][1]	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to its control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings < 25,000 ft2.
9.5.2.2 [EL8][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
9.4.1.1 [EL1][1]	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets
9.4.1.1 [EL2][1]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets
9.4.1.1f [EL13][1]	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
9.4.1.4 [EL3][1]	Automatic lighting controls for exterior lighting installed according to Section 9.4.1.4.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** 2-E-1.6 / 2-E-5.2
9.4.1.3 [EL4][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.3.1 [FI16][1]	Furnished as built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
8.7.3.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
9.2.2.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Interior Lighting fixture schedule for values*
9.4.2 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Exterior Lighting fixture schedule for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Interior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-ELECTRICAL (Common Space Types:Electrical/Mechanical)	336	0.71	239
2-MECHANICAL (Common Space Types:Electrical/Mechanical)	78	0.71	55
Total Allowed Watts:			294

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-ELECTRICAL (Common Space Types:Electrical/Mechanical)			
V10: V10: LED:	4	34	136
2-MECHANICAL (Common Space Types:Electrical/Mechanical)			
V10: V10: LED:	1	34	34
Total Proposed Watts:			170

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-ELECTRICAL (Common Space Types:Electrical/Mechanical)	
V10: V10: LED:	Local Control, Restricted Manual On, Scheduled Shutoff
2-MECHANICAL (Common Space Types:Electrical/Mechanical)	
V10: V10: LED:	Local Control, Restricted Manual On, Scheduled Shutoff

Interior Lighting PASSES: Design 42% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cole Trejchel *Cole Trejchel* 06/04/2026

Name - Title **Signature** **Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Electric Building
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Exterior Lighting Zone:	Residentially zoned area (LZ2)

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
Building Entrance (EAST) (Pedestrian and vehicular entrances and exits)	3 ft of door width	9.80	No	29.400000000000002
Building Entrance (SOUTHWEST) (Pedestrian and vehicular entrances and exits)	3 ft of door width	9.80	No	29.400000000000002
Building Entrance (SOUTHEAST) (Pedestrian and vehicular entrances and exits)	6 ft of door width	9.80	No	58.800000000000004
Building Entrance (WEST) (Pedestrian and vehicular entrances and exits)	4 ft of door width	9.80	No	39.2
Total Tradable Watts (a):				156.8
Base Site Allowance (b):				280
Total Allowed Watts:				436.8

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Building Entrance (EAST) (Pedestrian and vehicular entrances and exits, 3 ft of door width) Tradeable Wattage				
R16W: R16W: LED:	0	1	16	16
Building Entrance (SOUTHWEST) (Pedestrian and vehicular entrances and exits, 3 ft of door width) Tradeable Wattage				
R16W: R16W: LED:	0	1	16	16
Building Entrance (SOUTHEAST) (Pedestrian and vehicular entrances and exits, 6 ft of door width) Tradeable Wattage				
R16W: R16W: LED:	0	1	16	16
Building Entrance (WEST) (Pedestrian and vehicular entrances and exits, 4 ft of door width) Tradeable Wattage				
R16W: R16W: LED:	0	1	16	16
Total Tradable Proposed Watts:				64

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

RSHP
311 ELM STREET, SUITE 400
CINCINNATI, OH 45202 - 513.381.8112

SCALE:
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

COMCHECK
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1" REFERENCE LINE

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction
Project No:	119469
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
Project Sub Type:	New Building/Complete
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Notes:

Energy Credits

Description	Credit

Credits: 0.0 Required 0.0 Proposed

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	414
Proposed Capacity:	0
Required Capacity:	0
Exception:	Building effective floor area is less than 10,000 ft2.

Renewables Pass: Exception: Building effective floor area is less than 10,000 ft2.

Building Area

Description	Floor Area
1-Workshop (Workshop) : Nonresidential	26

Interior Lighting Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Project Canoe - Ride Operator Booth
Location:	Gurnee, Illinois
Climate Zone:	5a
Project Type:	New Construction

Construction Site: **Owner/Agent:** **Designer/Contractor:**

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Op Booth (Common Space Types:Workshop)	26	1.17	30
Total Allowed Watts:			30

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Op Booth (Common Space Types:Workshop)			
D40: D40: LED:	1	13	13
Total Proposed Watts:			13

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Op Booth (Common Space Types:Workshop)	
D40: D40: LED:	Local Control, Restricted Manual On, Scheduled Shutoff

Interior Lighting PASSES: Design 57% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cole Trejchel *Cole Trejchel* 06/04/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the lighting systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E series sheets
4.2.2, 9.4.3, 9.7 [PR4]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]¹	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
8.4.3 [EL11]¹	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Buildings < 25,000 ft2.
9.5.2.2 [EL8]¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
9.4.1.1 [EL1]¹	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets
9.4.1.1 [EL2]¹	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets
9.4.1.1f [EL13]¹	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
9.4.1.3 [EL4]¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E Series Sheets

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.3.1 [FI15]¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
8.7.3.2 [FI17]¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
9.2.2.1 [FI18]¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Interior Lighting fixture schedule for values*

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

SCALE:
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

COMCHECK
SFGM - COASTER 2027

SHEET NO.
2-E-7.1

2025122.01

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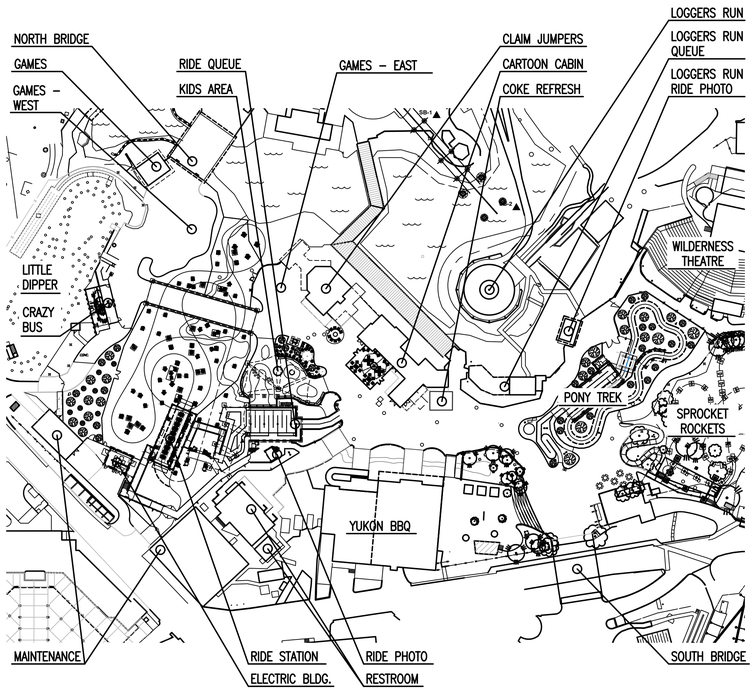
1" REFERENCE LINE

6/4/2026 1:13:06 PM



SITE PLAN
SCALE: NOT TO SCALE

NORTH

LOCATION PLAN
SCALE: NOT TO SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – PONY TREK**
PROJECT DESCRIPTION:	CONSTRUCTION OF A FLAT RIDE ASSEMBLY WITH ASSOCIATED QUEUE AND ELECTRIC BUILDING
LOCATION:	SIX FLAGS GREAT AMERICA, 1 GREAT AMERICA PARKWAY GURNEE, ILLINOIS 60031
BUILDING CODE:	2024 ILLINOIS ENERGY CONSERVATION CODE 2023 ILLINOIS STRETCH ENERGY CODE 2024 INTERNATIONAL BUILDING CODE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2015 INTERNATIONAL PLUMBING CODE
SPRINKLERED:	NON SPRINKLERED
PRIMARY USE CLASS:	A-3, ASSEMBLY
CONSTRUCTION TYPE:	V-B, COMBUSTIBLE, UNPROTECTED
ALLOWABLE BUILDING HEIGHT:	40 FEET
ACTUAL BUILDING HEIGHT:	16'-10" +/-
ALLOWABLE BUILDING STORIES:	1 STORY
ACTUAL BUILDING STORIES:	1 STORY
ALLOWABLE BUILDING AREA:	6,000 SF
ACTUAL BUILDING AREA:	RIDE STATION – 107 SF ELECTRIC BUILDING – 1,557 SF TOTAL – 1,664 SF
ACTUAL OCCUPANT LOAD:	ASSEMBLY – STANDING SPACE (5SF NET) RIDE QUEUE – 518 SF / 5SF (PER PERSON) = 104 OCC. RIDE ASSEMBLY – 6 OCCUPANTS MAXIMUM RIDE OPERATOR – 2 OCCUPANTS TOTAL OCCUPANTS – 112 OCCUPANTS TOTAL

REQUIRED RESTROOMS: EXISTING ACCESSIBLE RESTROOMS ARE PROVIDED WITHIN 500 FEET PER SECTION 2902.3.3. REFER TO SHEET AC-1.0 FOR RESTROOM INFORMATION. THE EXISTING RESTROOMS ARE ON AN ACCESSIBLE ROUTE. NO ADDITIONAL OCCUPANTS ARE BEING ADDED TO THE FACILITY. EXISTING QUEUE AND SERVING AREAS ARE BEING MOVED INDOORS FOR BETTER SERVICE AND COMFORT. ADDITIONAL RESTROOM CAPACITY IS NOT REQUIRED.

DRAWING INDEX

CIVIL ENGINEERING

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	3-C-0.0	GENERAL NOTES AND SYMBOLS
06-05-26	3-C-0.1	EXISTING CONDITIONS PLAN
06-05-26	3-C-1.0	OVERALL SITE PLAN
06-05-26	3-C-1.1	PONY TREK SITE AND GRADING PLAN
06-05-26	3-C-2.0	DETAIL SHEET

STRUCTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	S-0.1	GENERAL NOTES
06-05-26	S-0.2	SPECIAL INSPECTIONS
06-05-26	S-1.1	RIDE STATION/ELECT AND PERGOLA FOUNDATION/FRAMING PLANS
06-05-26	S-2.1	FOUNDATION SECTIONS
06-05-26	S-3.1	FRAMING SECTIONS
06-05-26	S-3.2	TYPICAL FRAMING DETAILS AND SECTIONS

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	CVR	COVER SHEET
06-05-26	AC-1.0	SITE ACCESSIBILITY
06-05-26	A-0.1	GENERAL NOTES AND ABBREVIATIONS
06-05-26	A-1.0	SITE PLAN
06-05-26	A-1.1	ENLARGED SITE PLAN
06-05-26	A-1.2	RIDE STATION/ELEC. AND PERGOLA FLOOR PLANS
06-05-26	A-1.3	RIDE STATION/ELEC. AND PERGOLA ROOF PLANS
06-05-26	A-2.1	EXTERIOR ELEVATIONS
06-05-26	A-2.2	PERGOLA ELEVATIONS
06-05-26	A-2.3	FENCE, SIGNAGE AND GATE DETAILS
06-05-26	A-3.1	BUILDING SECTIONS
06-05-26	A-4.1	REFLECTED CEILING PLANS

ELECTRICAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	3-E-0.0	ELECTRICAL LEGENDS
06-05-26	3-E-0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
06-05-26	3-E-1.0	ELECTRICAL SITE PLAN
06-05-26	3-E-1.1	PONY TREK ELECTRICAL PLAN
06-05-26	3-E-1.2	RIDE STATION ELECTRICAL PLANS – PONY TREK
06-05-26	3-E-4.0	PANEL SCHEDULES
06-05-26	3-E-5.0	ELECTRICAL DETAILS
06-05-26	3-E-5.1	ELECTRICAL DETAILS
06-05-26	3-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

PLUMBING

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	3-P-0.0	PLUMBING SCHEDULES, LEGENDS, AND PLANS

Six Flags GREAT AMERICA

SFGM - PONY TREK

ARCHITECT

RSL COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

513-891-9950 PHONE
www.rslarch.com 513-891-9951 FAX

CIVIL ENGINEER

IMEG

4850 Grand Avenue
Gurnee, IL 60031
(847) 336-7100

STRUCTURAL ENGINEER

Schaefer

537 Pete Rose Way, Suite 400
Cincinnati, OH 45202
(800) 542-3302

ELECTRICAL AND PLUMBING ENGINEER

SHP

311 Elm Street, Suite 600
Cincinnati, OH 45202
(513) 381-2112

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
REGISTERED DESIGN PROFESSIONAL
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SFGM – PONY TREK #225093-3

LEGEND

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		STORM INLET
		STORM DOUBLE INLET
		FLARED END SECTION
		DOWNSPOUT
		SANITARY MANHOLE
		SANITARY/STORM CLEANOUT
		UNKNOWN MANHOLE
		WATER VALVE
		HYDRANT
		WELL
		SPRINKLER HEAD
		SPRINKLER BOX
		WATER METER
		WATER SERVICE
		POWER POLE
		POWER POLE W/ LIGHT
		POWER POLE W/ METER
		GUY WIRE
		GUY POLE
		ELECTRIC MANHOLE
		ELECTRIC PEDESTAL/TRANSFORMER
		ELECTRIC METER
		TELEPHONE POLE
		TELEPHONE MANHOLE
		TELEPHONE PEDESTAL
		CABLE TV PEDESTAL
		UTILITY MANHOLE
		UTILITY MARKER
		HANDHOLE
		GAS VALVE
		GAS METER
		AIR CONDITIONING UNIT
		LIGHT POLE
		VAPOR LIGHT
		LIGHT JUNCTION BOX
		TRAFFIC SIGNAL
		TRAFFIC CANTILEVER
		TRAFFIC SIGNAL CONTROLLER
		MAIL BOX
		SIGN
		FLAGPOLE
		POST/BOLLARD
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		CONTROL POINT
		BENCHMARK
		SOIL BORING HOLE
		R.O.W. MARKER, FOUND
		RAILROAD SPIKE, FOUND
		REBAR, FOUND
		CHISELED "X" IN CONCRETE, FOUND
		CHISELED "X" IN CONCRETE, SET
		REBAR WITH CAP #_____, FOUND
		5/8" REBAR WITH CAP #35-_____, SET
		1/2" SQ. PIN, FOUND
		P.K. NAIL, FOUND
		P.K. NAIL, SET
		PIPE, FOUND
		CONCRETE MONUMENT, FOUND
		SECTION CORNER
		MEASURED DIMENSION
		RECORDED DIMENSION
		SPOT ELEVATION
		GRADE LABEL
		DRAINAGE SLOPE
		LINE CONTINUATION
		CUT & CAP WATER LINE
		SURVEY BOUNDARY
		PROPERTY LINE
		CENTERLINE
		HISTORICAL LINE - AS NOTED
		EASEMENT LINE
		SECTION LINE
		R.O.W. LINE
		SETBACK LINE
		FORCE MAIN
		SANITARY SEWER
		STORM SEWER
		PIPE UNDERDRAIN
		WATER LINE
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		GAS LINE
		TELEVISION LINE
		TELEPHONE LINE
		FIBER OPTIC CABLE
		UTILITY LINE
		EDGE OF WATER LINE/DITCH FLOWLINE
		CHAIN LINK FENCE
		WIRE FENCE
		WOOD FENCE
		SILT FENCE
		GUARD RAIL
		CONTOUR
		TREE LINE
		TRACKS
		FLOOD PLAIN
		FLOODWAY
		CONSTRUCTION LIMITS
		TOPOGRAPHIC FEATURE AS NOTED
		ABANDONED WATER LINE

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RE-NOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.

2. THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT:

   A. STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE HIGHWAY STANDARDS.

   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.

   C. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO.

   D. THESE "GENERAL NOTES".

   E. ILLINOIS URBAN MANUAL

4. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND SECTION 107.14 OF THE HIGHWAY STANDARDS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

5. UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES. CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS. COORDINATE WITH OWNER IN REGARD TO ALL UTILITY LOCATES.

6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE IN HIS POSSESSION ALL REQUIRED PERMITS FOR THE CONSTRUCTION OF THIS PROJECT AS NECESSARY (E.G., ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, LAKE COUNTY HIGHWAY DEPARTMENT, RAILROADS, PUBLIC UTILITY COMPANIES, ETC.). THESE PERMITS WILL BE OBTAINED AS SPECIFIED IN THE "SPECIAL PROVISIONS".

7. ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY BITUMINOUS MATERIAL ON THAT STREET SEGMENT.

8. ALL PAVING OF BUTT JOINTS SHALL BE DONE AT THE SAME TIME AND SHALL BE DONE WITH A BITUMINOUS PAVING MACHINE.

9. THE CONTRACTOR SHALL PLACE WARNING SIGNS 48 HOURS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.

10. IF A PERIOD OF TEN CALENDAR DAYS ELAPSES AFTER THE PLACEMENT OF ANY BITUMINOUS COURSE, THE CONTRACTOR MAY BE REQUIRED TO PLACE ANOTHER PRIME COAT AT NO ADDITIONAL COST.

11. THE THICKNESS OF THE BITUMINOUS COURSES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE BITUMINOUS COURSE IS PLACED.

12. WHERE BITUMINOUS OVERLAYS ARE PLACED ON INTERSECTING STREETS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ALLOW A HOT JOINT BETWEEN THE TWO SURFACES; OR HE SHALL SAW CUT TO A MINIMUM DEPTH OF 1-1/2" TO PROVIDE A UNIFORM VERTICAL FACE AGAINST WHICH TO BUTT THE SUBSEQUENT SURFACE COURSE.

13. WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.

15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE. CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE

16. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT WILL BE ADJUSTED OR RECONSTRUCTED, SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE APPLICABLE UNIT PRICES.

17. THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. "DITCH CHECKS" AND/OR SILT FENCES, UNLESS OTHERWISE SPECIFIED, SHALL BE INSTALLED, IF NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

18. PLACEMENT OF TOPSOIL AND SEEDING OR SODDING SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

19. UTILITY SERVICES TO RESIDENTS OR BUSINESSES WHICH ARE INTERRUPTED BY CONSTRUCTION SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR SO THAT NO SERVICE IS INTERRUPTED FOR MORE THAN FOUR (4) HOURS. IF TEMPORARY SERVICE IS REQUIRED, THE EXPENSE FOR SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

20. THE EDGES OF ALL IMPROVED SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO RESTORATION. ANY SAW CUTTING OF PAVEMENT PATCHES, BUTT JOINTS, CONCRETE CURBS, SIDEWALKS, OR ANY OTHER AREAS NECESSARY TO COMPLETE THIS PROJECT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

21. MANHOLE RIM ELEVATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. THESE ELEVATIONS ARE FOR INFORMATION ONLY, AND FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATIONS

STORM SEWER

POLYVINYL CHLORIDE PIPE (PVC)

CONFORMING TO ASTM D-3034, TYPE PSM, FOR SIZES FOUR (4) THROUGH FIFTEEN (15) INCHES, AND ASTM F679 FOR SIZES EIGHTEEN (18) THROUGH THIRTY-SIX (36) INCHES, HAVING AN SDR OF 35, AND WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM D-3212 AND ASTM F-477.

CIVIL ENGINEER
IMEG CORPORATION
GURNEE OFFICE

HARLAN M. DOLAND
ILLINOIS LICENSED PROFESSIONAL ENGINEER
NO. 062-048891
EXPIRATION DATE 11/30/27

PROFESSIONAL ENGINEER · HARLAN M. DOLAND · 062-048891 · ILLINOIS

TYPICAL CONSTRUCTION SEQUENCING

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
   A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
   B.) SILT FENCE INSTALLATION
   C.) STABILIZED CONSTRUCTION ENTRANCE
2. TREE/BRUSH REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. BEGIN SITE DEMOLITION
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL AND STOCKPILE TOPSOIL
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND THE TOE OF SLOPE)
7. BEGIN GRADING SITE
8. INSTALL UTILITIES (STORM SEWER, SANITARY, WATERMAIN, ETC)
9. TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
10. BEGIN CONSTRUCTION OF BUILDINGS/PARKING LOT.
11. PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
12. REMOVE ALL TEMPORARY SE/SC MEASURES ONCE THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION.
13. RESTORE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY SE/SC MEASURES.

** CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO PERFORM SOIL AND EROSION CONTROL INSPECTIONS/MAINTENANCE ONCE EVERY SEVEN CALENDAR DAYS AND AFTER EVERY 1/2 INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL EVENT.

SOIL EROSION/SEDIMENT CONTROL NOTES

A. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE AN INSPECTOR, INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEAURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND THE HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DE-WATERING DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DE-WATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DE-WATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DE-WATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMER OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

SITE RESTORATION

ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AS FOLLOWS:

A) TOPSOIL PLACEMENT, 4", CONFORMING TO SECTION 211 OF THE HIGHWAY STANDARDS.
B) SEEDING, CLASS 1, CONFORMING TO SECTION 250 OF THE HIGHWAY STANDARDS.
C) MULCH, METHOD 2 OR 3, OR EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE HIGHWAY STANDARDS.

SCALE	NTS
DATE	06-05-2026
DRAWN	PJR
FILE	#225033-3

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

GENERAL NOTES AND SYMBOLS

SFGM - PONY TREK

SHEET NO.
3-C-0.0

#225033-3

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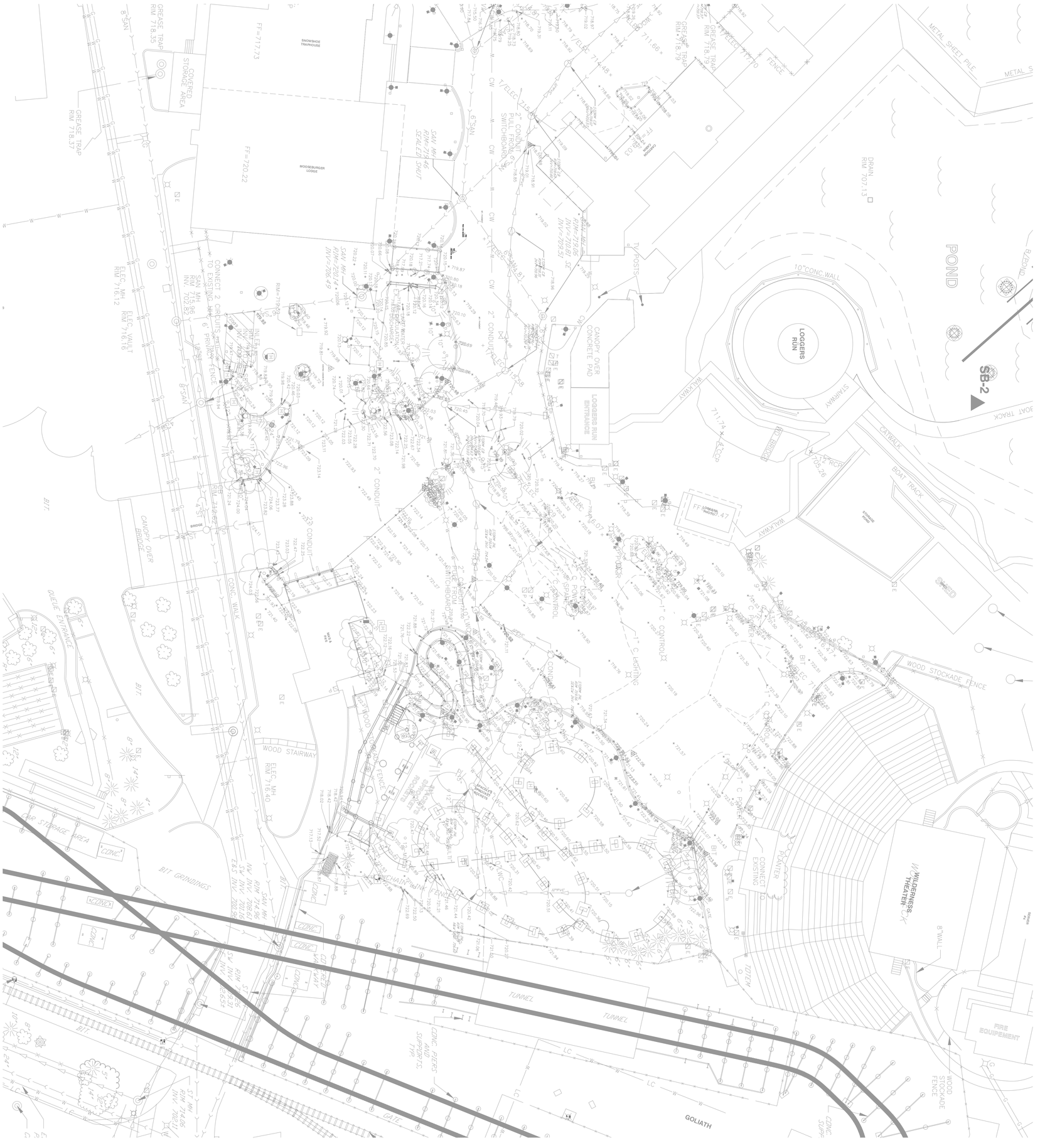

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SHEET NO. 3-C-0.1

EXISTING CONDITIONS PLAN

SFGM - PONY TREK

Six Flags Entertainment Corporation

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

REVISION	DESCRIPTION

SCALE	1"=10'
DATE	06-05-2026
DRAWN	PJR
FILE	#25093-3

#25093-3

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SHEET NO. 3-C-1.0

OVERALL SITE PLAN

SFGM - PONY TREK

Six Flags Entertainment Corporation

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

REVISION	DESCRIPTION

SCALE	1"=20'
DATE	06-05-2026
DRAWN	PJR
FILE	#225093-3

#225093-3

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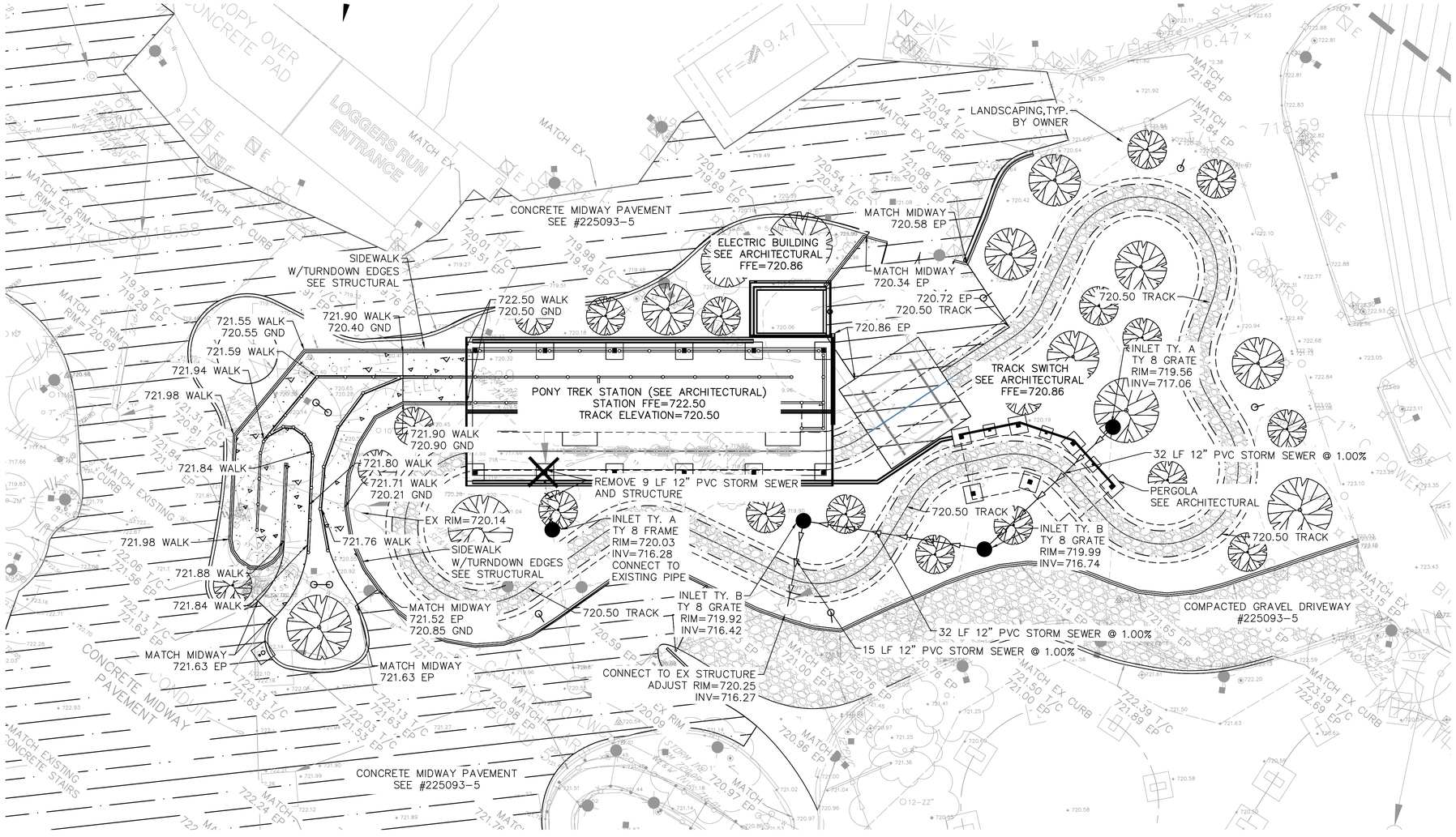
SCALE: 1" = 10'



LEGEND

CONCRETE MIDWAY PAVEMENT

CONCRETE SIDEWALK

COMPACTED GRAVEL TRACK

SCALE	1"=10'
DATE	06-05-2016
DRAWN	PJR
FILE	#225093-3

REVISION	DESCRIPTION

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4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

PONY TREK SITE AND GRADING PLAN

SFGM - PONY TREK

SHEET NO.
3-C-1.1

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

#225093-3

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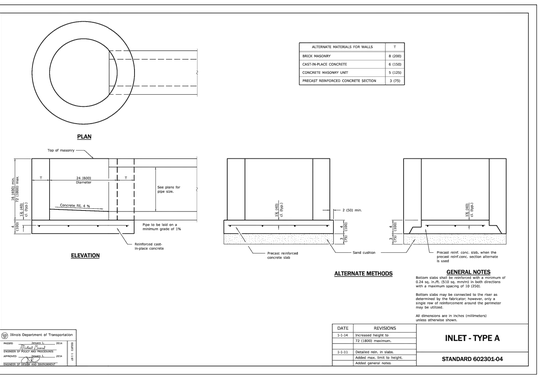

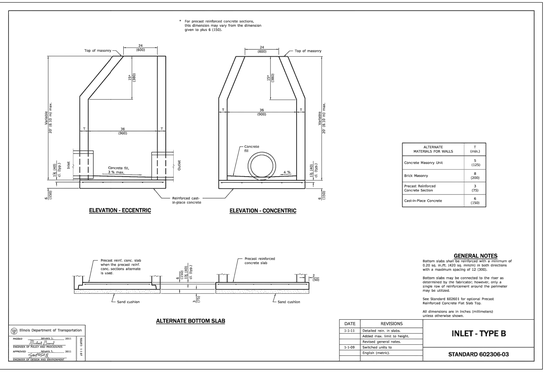

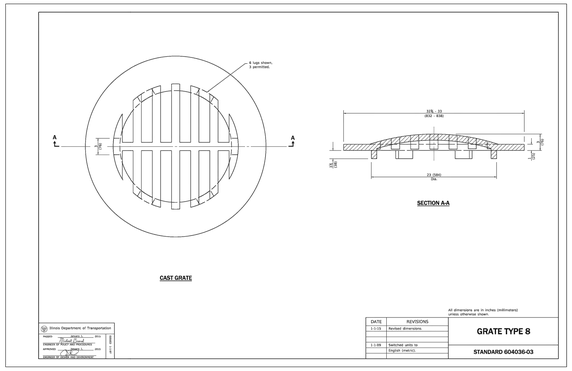

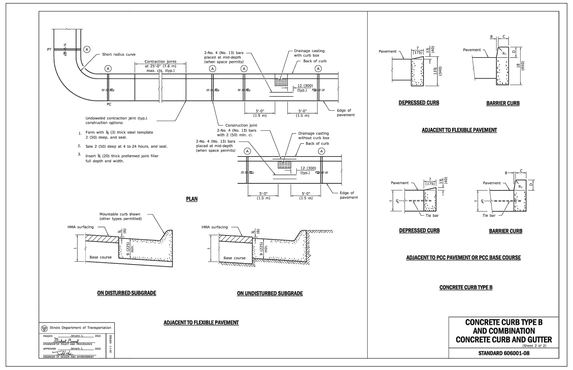

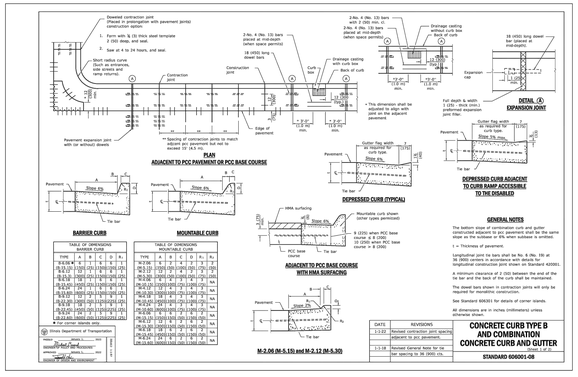

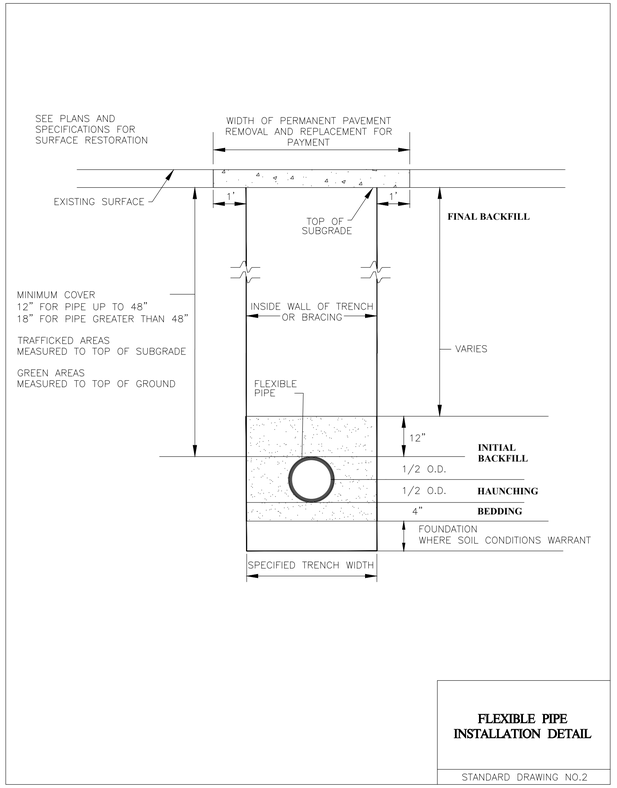

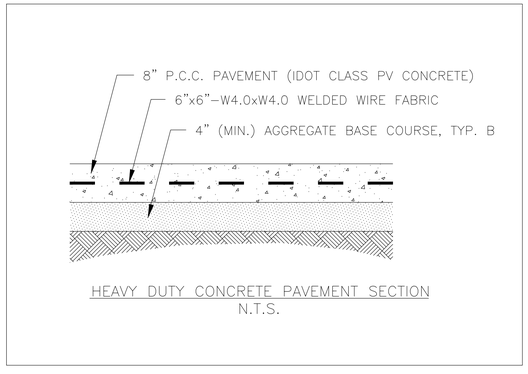

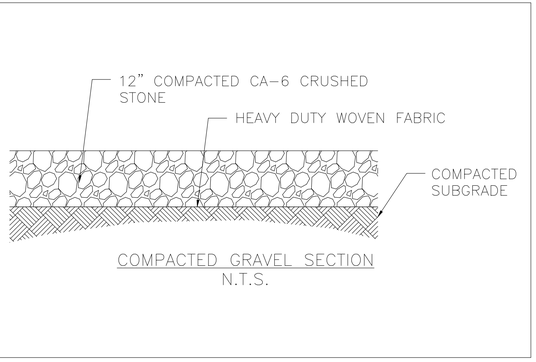

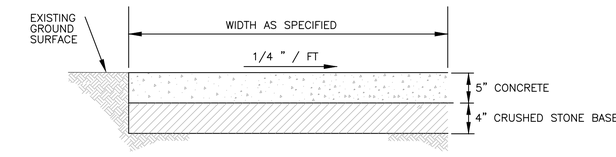

GENERAL NOTES:

1. At locations where sidewalk is constructed at ramps and/or driveway entrances, the P.C.C. Sidewalk Section shall be thickened to 7" for the width of the ramp and/or driveway. This work shall be considered as incidental, and no additional compensation will be allowed.
2. Placing, finishing and curing of P.C.C. Sidewalk shall conform to applicable Sections of Standard Specifications for Road and Bridge Construction.
3. Slab contraction (control) joints shall be as follows:
   For 4' Sidewalk Width = 5' O.C. Joint Spacing
   5' Sidewalk Width = 5' O.C. Joint Spacing
   8' Sidewalk Width = 6' O.C. Joint Spacing
4. Expansion joints shall consist of preformed joint filler or thickness as follows:
   1/2 " between sidewalk and structures, standards, poles
   3/4 " at sidewalk intervals of not more than 50 feet.
5. If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.
6. Concrete shall be IDOT Class SI

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

STANDARD DUTY CONCRETE PAVEMENT DETAIL
N.T.S

SCALE NTS
DATE 06-05-2016
DRAWN PJR
FILE #250933-3

REVISION | DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

DETAIL SHEET
SFGM - PONY TREK

SHEET NO.
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STRUCTURAL NOTES

COPIES OF PUBLICATIONS REFERENCED IN THESE GENERAL STRUCTURAL NOTES ARE AVAILABLE FOR REVIEW AT SCHAEFER. CONTRACTORS UNFAMILIAR WITH THESE PUBLICATIONS MUST REVIEW THEM PRIOR TO CONSTRUCTION.

GOVERNING CODE

2024 ILLINOIS BUILDING CODE (REFERENCES IBC 2024 & ASCE-7 2016)

DESIGN LOADS

1. WOOD FRAMED ROOF LOAD BUILDING.
   - A. MINIMUM COMBINATION OF WIND LOAD, LIVE LOAD, RAIN LOAD, OR SNOW LOAD ((P_f OR P_m)) 20 PSF*
   - B. ASPHALT/FIBERGLASS SHINGLES (2 LAYERS) 6 PSF
   - C. ROOF SHEATHING 3 PSF
   - D. TRUSS FRAMING WEIGHT 3 PSF
   - E. CEILING, INSULATION 3 PSF
   - F. DUCTS, LIGHTS, MISC. MECHANICAL 2 PSF
   - TOTAL LOADS ON TRUSSES PSF
   - 37 MIN

   *FLAT ROOF SNOW LOAD, P_f = 47 PSF
   GROUND SNOW, P_g = 56 PSF
   SNOW LOAD IMPORTANCE FACTOR, I_S = 1.0
   SNOW EXPOSURE FACTOR, C_e = 1.0
   SNOW LOAD THERMAL FACTOR, C_t = 1.2
   MINIMUM SNOW LOAD, P_m = 47 PSF

2. PERGOLA ROOF LOAD.
   - A. MINIMUM COMBINATION OF WIND LOAD, LIVE LOAD, RAIN LOAD, OR SNOW LOAD ((P_f OR P_m)) 20 PSF*
   - C. ROOF SHEATHING 3 PSF
   - D. JOIST FRAMING WEIGHT 3 PSF
   - TOTAL LOAD ON TRUSSES PSF
   - 26 MIN

   *FLAT ROOF SNOW LOAD, P_f = 47 PSF
   GROUND SNOW, P_g = 56 PSF
   SNOW LOAD IMPORTANCE FACTOR, I_S = 1.0
   SNOW EXPOSURE FACTOR, C_e = 1.0
   SNOW LOAD THERMAL FACTOR, C_t = 1.2
   MINIMUM SNOW LOAD, P_m = 47 PSF

3. WIND LOAD (PER ASCE 7):
   - A. BASIC DESIGN WIND SPEED, V= 107 MPH
   - B. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} = 83 MPH
   - C. RISK CATEGORY = II
   - D. WIND EXPOSURE = C (ALL WIND DIRECTIONS)
   - E. INTERNAL PRESSURE COEFFICIENT, GCpi = +0.18, -0.18
   - F. DESIGN PRESSURES FOR EXTERIOR COMPONENT AND CLADDING ITEMS NOT SPECIFICALLY DESIGNED BY THE ENGINEER OF RECORD: SPECIALTY ENGINEER SHALL DETERMINE WIND LOADS UNDER GOVERNING BUILDING CODE, AND BASED ON WIND LOAD PARAMETERS DEFINED ABOVE.

4. SEISMIC LOAD
   - A. SEISMIC RISK CATEGORY = II
   - B. SEISMIC IMPORTANCE FACTOR, I_e = 1.0
   - C. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_S = 0.13
   - D. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND, S_1 = 0.063
   - E. SITE CLASS = D
   - F. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_{DS} = 0.11
   - G. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND PERIOD, S_{D1} = 0.09
   - H. SEISMIC DESIGN CATEGORY = B
   - I. BASIC SEISMIC FORCE RESISTING SYSTEM = CANTILEVER WOOD COLUMNS
   - J. RESPONSE MODIFICATION COEFFICIENT, R = 1.0
   - K. SEISMIC RESPONSE COEFFICIENT, CS = 0.113
   - L. DESIGN BASE SHEAR = 0.04 KIP
   - M. ANALYSIS PROCEDURE USED = ELFP

5. SPECIAL LOADS:
   - A. HANDRAILS AND GUARDRAILS:
     - i. TOP RAIL: 200 POUND CONCENTRATED LOAD AT ANY POINT IN ANY DIRECTION OR 50 PLF UNIFORM LOAD APPLIED IN ANY DIRECTION.
     - ii. INTERMEDIATE RAILS, BALUSTERS, AND PANEL FILLERS: HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA NOT TO EXCEED 1 SQUARE FT., INCLUDING OPENINGS AND SPACE BETWEEN RAILS.

CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.
5. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY SOIL AND MATERIAL CONSULTANTS, INC, DATED DECEMBER 18TH 2025. THE GEOTECHNICAL ENGINEER'S REPORT IS AVAILABLE UPON REQUEST.
   - A. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.
2. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.
3. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.
4. FILL MATERIALS: ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER, INCLUDING THE SUITABILITY OF ALL EXCAVATED ON-SITE SOILS FOR RE-USE. MATERIAL SHALL NOT BE PLACED ON FROZEN GROUND.
   - A. CONTROLLED LOW STRENGTH MATERIAL (CLSM): SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL WITH AN UNCONFINED COMPRESSIVE STRENGTH BETWEEN 50 PSI AND 150 PSI.
   - B. WELL GRADED GRANULAR MATERIAL: WELL GRADED MIXTURE OF CRUSHED GRAVEL, CRUSHED STONE, AND SAND PER ASTM D294 WITH AT LEAST 95 PERCENT PASSING A 1 ½" SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE.
   - C. FREE DRAINING GRANULAR FILL: NARROWLY GRADED MIXTURE OF CRUSHED STONE PER ASTM D448 WITH COARSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NO MORE THAN 5 PERCENT PASSING A NO. 4 SIEVE.
   - D. IMPERVIOUS FILL: LEAN CLAYEY GRAVEL AND SAND MIXTURE CAPABLE OF COMPACTING TO A DENSE STATE.
5. FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION. ELEVATION AND BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR CLSM UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS
6. FROST DEPTH IS 48 INCHES BELOW GRADE. BOTTOM OF FOOTINGS, MAT FOUNDATIONS AND GRADE BEAMS THAT ARE NOT PART OF AN INSULATED FROST PROTECTED FOUNDATION SYSTEM AND ARE NOT WITHIN CONDITIONED SPACE MUST BE BELOW SPECIFIED MINIMUM FROST DEPTH AS MEASURED FROM EXTERIOR GRADE. MAINTAIN SPECIFIED TIFDN ELEVATIONS AND THICKEN FOOTING OR PLACE ON CLSM AS REQUIRED.
7. FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL
8. LATERAL SOIL PRESSURES: PER THE LATERAL PRESSURES BELOW ARE BASED ON THE PRESUMPTIVE VALUES IN TABLE 1806.2 IN THE IBC 2024. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE LISTED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. LATERAL EARTH PRESSURES INDICATED BELOW DO NOT INCLUDE HYDROSTATIC OR COMPACTION PRESSURES DURING BACKFILL OPERATIONS. WALLS SHALL HAVE ADEQUATE DRAINAGE TO PREVENT HYDROSTATIC PRESSURES. COMPACT USING HAND-OPERATED TAMPERS ONLY.
   - A. CANTILEVERED RETAINING WALLS (ACTIVE PRESSURE): 60 PCF EQUIVALENT FLUID PRESSURE, TRIANGULAR DISTRIBUTION + 100 PSF SURCHARGE, RECTANGULAR DISTRIBUTION.
9. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 95% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 3% OPTIMUM MOISTURE CONTENT.
10. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION
11. EXCAVATIONS:
    - A. EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS SHALL BE PERMITTED WITHOUT ANY SPECIAL MEASURES AS LONG AS THE BOTTOM NEAR EDGE OF THE EXCAVATION IS ABOVE A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION.

CAST-IN-PLACE CONCRETE:

1. CONCRETE MIXTURES: PROVIDE MIX DESIGNS IN ACCORDANCE WITH ACI 301-16 FOR SPECIFIED EXPOSURE CLASS AND AGGREGATES. NOMINAL MAX AGGREGATE SIZE = 3/4" UNLESS OTHERWISE NOTED:
   - A. FOUNDATION (NORMAL WEIGHT).
     - i. EXPOSURE CLASS: F0, S0, W0, C0.
     - ii. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
2. CONCRETE MATERIALS:
   - A. CEMENTITIOUS MATERIALS
     - i. PORTLAND CEMENT: ASTM C150, TYPE I OR TYPE II.
     - ii. BLENDED HYDRAULIC CEMENT: ASTM C595, TYPE IL, PORTLAND LIMESTONE CEMENT
     - iii. FLY ASH: ASTM C618, CLASS F OR C. FLY ASH SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
     - iv. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989, GRADE 100 OR 120. COMBINATION SLAG AND FLY ASH SHALL NOT EXCEED 50% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
   - B. AGGREGATES:
     - i. NORMAL WEIGHT AGGREGATES: ASTM C33, COARSE GRADED.
   - C. ADMIXTURES: ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.
     - i. WATER REDUCING ADMIXTURE: ASTM C494.
     - ii. PLASTICIZING ADMIXTURE: ASTM C1017.
     - iii. AIR ENTRAINING ADMIXTURE: ASTM C260.
   - D. WATER: ASTM C94 AND POTABLE
3. DETAILING REQUIREMENTS
   - A. PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.
4. PERFORMANCE
   - A. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1-90 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "GUIDE TO COLD WEATHER CONCRETING".
   - B. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305.1-14 "SPECIFICATION FOR HOT WEATHER CONCRETING" AND ACI 305R-10 "GUIDE TO HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND SPEED SHALL BE ENTERED INTO NOMOGRAPH FIGURE 4.2 IN ACI 305R-10 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
   - C. TOLERANCES: CONFORM TO ACI 117-10
5. SUBMITTALS:
   - A. CONCRETE MIX DESIGNS: CONCRETE MIX DESIGNS INCLUDING PRODUCT DATA FOR ALL CONSTITUENTS AND ADMIXTURES SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301-16 FIELD TEST DATA OR TRIAL MIXTURES. SUBMITTAL DATA MUST INCLUDE FIELD TEST DATA FROM AT LEAST 10 TESTS OR A THREE POINT CURVE GENERATED USING TRIAL MIXTURES.
   - B. PRODUCT DATA FOR CURING MATERIALS
6. QUALITY ASSURANCE
   - A. CONCRETE WORK AND TESTING, AS PERFORMED BY "QUALIFIED FIELD TESTING TECHNICIANS" AND "QUALIFIED LABORATORY TECHNICIANS", SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS ABOVE. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301-16 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.

CONCRETE REINFORCING:

1. MATERIALS
   - A. DEFORMED BARS: ASTM A615, GRADE 60.
2. REINFORCING DEVELOPMENT AND LAP SPLICES (UNLESS OTHERWISE NOTED)
   - A. WELDED WIRE REINFORCEMENT: LAP WELDED WIRE REINFORCEMENT MINIMUM 1 FULL SPACE PLUS 2".
   - B. DEFORMED BAR DEVELOPMENT LENGTHS (Ld):
     - i. HORIZONTAL BARS #6 AND SMALLER WITH MORE THAN 12" OF CONCRETE BELOW — 57 BAR DIAMETERS
     - ii. HORIZONTAL BARS #6 AND SMALLER WITH LESS THAN 12" OF CONCRETE BELOW — 44 BAR DIAMETERS
     - iii. HORIZONTAL BARS #7 AND LARGER WITH MORE THAN 12" OF CONCRETE BELOW — 72 BAR DIAMETERS
     - iv. HORIZONTAL BARS #7 AND LARGER WITH LESS THAN 12" OF CONCRETE BELOW AND ALL OTHER BARS — 55 BAR DIAMETERS
   - C. DEFORMED BAR HOOKED DEVELOPMENT LENGTHS (Ldh): 22 BAR DIAMETERS
3. PERFORMANCE
   - A. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.
   - B. REINFORCING BARS SHALL HAVE CLEAR COVER AS INDICATED ON THE DRAWINGS. WHERE NOT INDICATED, PROVIDE MINIMUM CLEAR COVER PER ACI-318.
   - C. REINFORCING BARS SHALL BE FREE OF DIRT AND FORM RELEASE AGENTS.
4. SUBMITTALS
   - A. SHOP DRAWINGS FOR REINFORCING STEEL (COMPLY WITH ACI SP-066):

WOOD - ROUGH CARPENTRY

1. WOOD FRAMING MATERIALS:
   - A. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS):
     - i. BEAMS: NO. 2 GRADE OR BETTER WESTERN RED CEDAR
   - B. DIMENSION LUMBER FRAMING - INTERIOR APPLICATIONS:
     - i. 2x4 AND 2x6 (TYPICAL): STUD GRADE OR BETTER SPRUCE PINE FIR KILN DRIED.
     - ii. 2x8 AND DEEPER (TYPICAL): NO. 1 GRADE OR BETTER SOUTHERN PINE KILN DRIED.
     - iii. 2x4 AND DEEPER (PRESERVATIVE TREATED LUMBER): NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE, AWPA USE CATEGORY UC2.
     - iv. 4x4: NO. 1 GRADE OR BETTER SOUTHERN PINE.
     - v. 6x6: NO. 2 GRADE OR BETTER SOUTHERN PINE.
   - C. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS): AWPA USE CATEGORY UC3B FOR ABOVE GROUND EXTERIOR FRAMING, AWPA USE CATEGORY UC4A FOR GROUND CONTACT:
     - i. 2x4 AND DEEPER: NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
     - ii. 4x4: NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
     - iii. 6x6: NO. 2 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
2. ANCHORS AND FASTENERS:
   - A. ANCHOR RODS: ASTM F594 STAINLESS STEEL THREADED RODS w/ ASTM F594 STAINLESS STEEL NUTS, AND ASTM A240 STAINLESS STEEL WASHERS, TYPE 304 OR 316 OR ASTM F1554, GRADE 36 ANCHOR RODS WITH NUTS AND WASHERS, HOT DIP GALVANIZED PER ASTM F2329 OR ASTM A153 (TYPICAL). STAINLESS STEEL OR HOT DIP GALVANIZED ANCHORS ARE NOT REQUIRED FOR INTERIOR APPLICATIONS USING BORATE PRESERAVTIVE TREATMENT ONLY.
   - B. BOLTS: ASTM A307, GRADE A (TYPICAL). FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153.
     - i. PROVIDE STANDARD CUT WASHER BETWEEN BOTH HEAD AND NUT TO WOOD CONNECTION.
   - C. NAILS: ASTM F1667. FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153. WHERE PENNYWEIGHTS ARE INDICATED, CONTRACTOR SHALL CONFIRM NAIL SIZES INDICATED ON DRAWINGS AND NOTES MEET THE FOLLOWING DIAMETER AND LENGTH REQUIREMENTS. PNEUMATIC GUN NAILS SHALL MEET THESE DIAMETER AND LENGTH REGARDLESS OF THE NAIL SIZE INDICATED BY THE MANUFACTURER:
     - i. 8d = 0.131" DIA, 2 ½" LG.
     - ii. 10d = 0.148" DIA, 3" LG.
     - iii. 16d = 0.162" DIA, 3 ½" LG.
   - D. WOOD SCREWS:
     - i. #8= 0.164" DIA.
     - ii. #10= 0.19" DIA.
     - iii. #12= 0.216" DIA.
   - E. LAG SCREWS:
     - i. PROVIDE STANDARD WASHER BETWEEN HEAD TO WOOD CONNECTION.
     - ii. PREBORE HOLES PRIOR TO INSTALLATION.
3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE MADE PER TABLE 2304.10.1 "FASTENING SCHEDULE", IN REFERENCED BUILDING CODE.
4. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL, AND ARE BASED ON THEIR CATALOG PUBLISHED CAPACITIES. ALL CONNECTORS SHALL BE INSTALLED USING THE MAXIMUM NAILING SPECIFIED AND PROPER NAIL SIZE UNLESS NOTED OTHERWISE.
   - A. EXTERIOR APPLICATIONS, PRESERVATIVE TREATED, OR FIRE RETARDANT TREATED MATERIALS: ZMAX (G185), OR HOT DIPPED GALVANIZED, OR STAINLESS STEEL TYPE 304 OR TYPE 316 WHERE INDICATED. G60 AND G90 COATED PRODUCTS ARE NOT PERMITTED. ONLY USE GALVANIZED FASTENERS WITH ZMAX AND HOT DIP GALVANIZED CONNECTORS. ONLY USE STAINLESS STEEL FASTENERS WITH STAINLESS STEEL CONNECTORS.
   - B. INTERIOR DRY APPLICATIONS WITH BORATE PRESERVATIVE TREATED MATERIALS: G90 COATED MINIMUM.
5. FOR ROOF FRAMING, INSTALL ONE SIMPSON H2.5T HURRICANE TIE AT EACH MEMBER AT EACH BEARING LOCATION IN ADDITION TO THE TYPICAL NAILING REQUIREMENT IN THE "FASTENING SCHEDULE".
6. PROVIDE A STUD AT ALL TOP PLATE SPLICE LOCATIONS.
7. NOTCHES IN EXTERIOR WALL OR INTERIOR BEARING WALL STUDS ARE NOT TO EXCEED ONE-FOURTH OF THE STUD WIDTH, AND NO HOLES ARE TO BE BORED GREATER THAN 40% OF THE STUD WIDTH OR WITHIN 5/8" OF STUD EDGE.
8. NOTCHES IN FLOOR JOISTS AND ROOF RAFTERS SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN. DEPTH OF NOTCHES IN THE TOP OR BOTTOM OF THE MEMBER ARE NOT TO EXCEED ONE-SIXTH OF THE MEMBER DEPTH, AND LENGTH SHALL NOT EXCEED ONE-THIRD OF MEMBER DEPTH. HOLES SHALL NOT BE BORED LARGER THAN ONE-THIRD OF THE MEMBER DEPTH, OR WITHIN TWO INCHES OF THE TOP OR BOTTOM OF THE MEMBER, OR WITHIN TWO FEET OF BEARING. NO HOLES OR NOTCHES ARE ALLOWED IN BEAMS UNLESS APPROVED BY ENGINEER.
9. ALL MULTIPLE HEADERS AND BEAMS WITH DEPTH LESS THAN 14 INCHES SHALL BE FASTENED TOGETHER WITH MINIMUM (3) ROWS OF 0.148"Ø x3" LONG NAILS AT 12" O.C., STAGGERED ON OPPOSITE SIDES. FOR DEPTHS EQUAL TO OR GREATER THAN 14 INCHES, FASTEN TOGETHER WITH (4) ROWS OF 0.148"Ø x3" LONG NAILS AT 12"O.C. FOR FOUR OR MORE PLY BEAMS, THRU-BOLT WITH 1/2" DIAMETER BOLTS AT 12" O.C. STAGGERED TOP AND BOTTOM. ALL SIDE LOADED BEAMS SHALL BE THRU-BOLTED.

WOOD - SHOP FABRICATED TRUSSES

1. ENGAGE A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE THAT THE PROJECT IS LOCATED IN, TO SERVE AS THE SPECIALTY ENGINEER FOR THE DESIGN OF METAL-PLATE-CONNECTED WOOD TRUSSES.
2. DESIGN LOADS (SEE DESIGN LOAD SECTION OF GENERAL NOTES):
   - A. SPECIFIED LOADS ARE UNFACTORED AND SHALL BE FACTORED ACCORDING TO THE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS IN SECTION 1605 OF THE IBC.
   - B. ROOF TRUSSES SHALL BE DESIGNED FOR A MINIMUM NET UPLIFT OF 17PSF (ALLOWABLE STRESS DESIGN) APPLIED TO THE TOP CHORD AS AN ADDITIONAL SEPARATE LOAD COMBINATION.
   - C. SNOW LOADS SHALL BE CONSIDERED UNBALANCED PER ASCE 7, SECTION 1605
3. PERFORMANCE REQUIREMENTS. DESIGN TRUSSES TO WITHSTAND SPECIFIED DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING.
   - A. ROOF TRUSSES: VERTICAL DEFLECTION OF L/360 OF THE SPAN FOR ROOF LIVE, SNOW, OR WIND LOADS, AND L/240 OF THE SPAN FOR TOTAL LOADS.
   - B. HORIZONTAL DEFLECTIONS: LIMIT HORIZONTAL DEFLECTION AT SUPPORTS TO 1/2"
4. DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
   - A. TRUSS PLATE INSTITUTE (TPI) ANSI/TPI 1-2014, "NATIONAL DESIGN STANDARDS FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION"
   - B. AF&PA "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AND ITS SUPPLEMENT"
5. TRUSS BRACING: ALL BRACES (TEMPORARY AND PERMANENT) SHALL BE SUPPLIED BY THE TRUSS MANUFACTURER.
   - A. TEMPORARY BRACING: TEMPORARY TRUSS BRACING SHALL BE DESIGNED BY THE SPECIALTY ENGINEER. TRUSSES UNDER 60 FEET LONG MAY HAVE TEMPORARY BRACING IN ACCORDANCE WITH "BCSI-B1 — GUIDE FOR HANDLING, INSTALLING, AND BRACING OF TRUSSES" BY THE STRUCTURAL BUILDING COMPONENTS ASSOCIATION UNLESS MORE STRINGENT BRACING IS REQUIRED BY THE TRUSS MANUFACTURER.
     - i. BRACING SHALL REMAIN IN PLACE TO SERVE AS PART OF THE PERMANENT BRACING SYSTEM DESIGNED BY THE SPECIALTY ENGINEER.
     - ii. TEMPORARY BRACING IN THE PLANE OF THE TOP CHORD MAY ONLY BE REMOVED WHEN THE TOP CHORD IS LATERALLY BRACED BY THE ROOF SHEATHING.
   - B. PERMANENT BRACING:
     - i. BOTTOM CHORD SHALL BE DESIGNED AS UNBRACED FOR A LENGTH EQUAL TO THE SPACING BETWEEN BOTTOM CHORD BRACES.
     - ii. LAP SPLICE PERMANENT TRUSS BRACING A MINIMUM OF ONE TRUSS SPACE
6. CONNECTIONS AND HARDWARE:
   - A. SPECIALTY ENGINEER SHALL DESIGN ALL TRUSS TO TRUSS AND TRUSS TO BEAM CONNECTIONS AND SHALL SPECIFY ALL HANGERS.
   - B. FOR ROOF TRUSSES: INSTALL ONE SIMPSON H2.5T HURRICANE TIE AT EACH TRUSS AT EACH BEARING CONDITION IN ADDITION TO THE TYPICAL NAILING REQUIREMENT IN THE FASTENING SCHEDULE.
   - C. FOR ROOF TRUSSES: TO ACCOMMODATE TRUSS UPLIFT CONDITIONS, INSTALL SIMPSON DTC ROOF TRUSS CLIPS TO BOTTOM CHORD OF ALL ROOF TRUSSES, AND NAILED TO THE TOP PLATE OF ALL PERPENDICULAR NON-LOADBEARING STUD WALLS BELOW. DO NOT PLACE CEILING DRYWALL FASTENERS INTO TRUSSES WITHIN 16 INCHES OF STUD WALLS.
7. SUBMITTALS:
   - A. PRODUCT DATA FOR EACH TYPE OF PRODUCT.
   - B. DELEGATED DESIGN SUBMITTAL, SIGNED AND SEALED BY THE SPECIALTY ENGINEER RESPONSIBLE FOR THEIR PREPARATION, INCLUDING COMPREHENSIVE ANALYSIS DATA AND SHOP DRAWINGS INCLUDING THE FOLLOWING.
     - i. ANALYSIS DATA SHOWING SPECIFIED DESIGN LOADS AND PERMANENT BRACING DESIGN ASSUMPTIONS. INCLUDE ALL IMPOSED FORCES ON THE PRIMARY STRUCTURE.
     - ii. ERECTION PLAN SHOWING LAYOUT, SPACING, AND SIZES OF ALL WOOD TRUSSES.
     - iii. TRUSS ELEVATIONS SHOWING FABRICATION DATA FOR ALL TRUSS FRAMING ELEMENTS AND CLEARLY INDICATING PERMANENT BRACING REQUIREMENTS FOR WEB COMPRESSION AND BOTTOM CHORD MEMBERS.
     - iv. FABRICATION, FASTENING AND ANCHORAGE DETAILS
     - v. TEMPORARY ERECTION BRACING REQUIREMENTS AND HANDLING AND ERECTION INSTRUCTIONS.

WOOD - SHEATHING

1. MATERIALS:
   - A. ROOF SHEATHING (TYPICAL): 19/32" APA SPAN RATING 40/20 ROOF SHEATHING, EXPOSURE 1 CLASSIFICATION.
   - B. WALL SHEATHING (TYPICAL): 7/16" APA SPAN RATING 24/16 WALL SHEATHING, EXPOSURE 1. SEE SHEAR WALL SCHEDULE FOR SHEATHING AT SHEAR WALLS.
2. SHEATHING INSTALLATION:
   - A. NAIL SHEATHING TO WOOD FRAMING WITH 0.131" DIA, 3" LG NAILS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL FASTENING. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING.
   - B. SHEATHING AT ROOF FRAMING: INSTALL PANEL CLIP THAT CREATES AN 1/8" SPACE BETWEEN SHEATHING PANELS AT MIDSPAN OF EACH TRUSS/RAFTER SPACE ALONG UNSUPPORTED SHEATHING EDGES.
   - C. DECK BOARDS: BOARDS SHALL SPAN OVER A MINIMUM OF THREE SUPPORTS. BUTT ENDS OF ADJACENT PIECES SHALL BE STAGGERED. FASTEN TO EACH SUPPORTING FRAMING MEMBER WITH (2) #8 x 2.5" WOOD SCREWS.

POST INSTALLED ANCHORS

1. INSTALLATION: INSTALL ANCHORS PER EVALUATION REPORT AND MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
2. CONNECTIONS TO EXISTING REINFORCED CONCRETE OR MASONRY: PRIOR TO DRILLING, VERIFY LOCATIONS OF EXISTING REINFORCING BARS USING A REBAR DETECTOR. NOTIFY ENGINEER PRIOR TO INSTALLATION IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REINFORCING BARS. DO NOT DRILL THROUGH REINFORCING BARS.
3. TESTING AND INSPECTION: REFER TO EVALUATION REPORTS FOR ADDITIONAL TESTING AND INSPECTION REQUIREMENTS.
4. SUBSTITUTIONS: SUBSTITUTIONS COMPLYING WITH SPECIFIED ACCEPTANCE CRITERIA MAY BE CONSIDERED. SUBMIT EVALUATION REPORT DEMONSTRATING COMPLIANCE WITH GOVERNING CODE AND SPECIFIED ACCEPTANCE CRITERIA PRIOR TO INSTALLATION.
5. ADHESIVE ANCHORS:
   - A. ANCHOR RODS: ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE. SIZE AND EMBEDMENT AS INDICATED ON DRAWINGS.
   - B. ADHESIVE IN CONCRETE: SIMPSON STRONG-TIE "SET-3G" EPOXY (EVALUATION REPORT: ICC ESR-4057. SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC308 AND ACI 355.4 FOR USE IN CRACKED CONCRETE MAY BE CONSIDERED.
   - C. VERIFY THAT THE SHELF LIFE OF THE ADHESIVE HAS NOT BEEN EXCEEDED ON THE DATE OF INSTALLATION.
6. SCREW ANCHORS
   - A. ANCHORAGE TO CONCRETE: SIMPSON STRONG-TIE "TITEN HD" (EVALUATION REPORT: ICC-ES ESR-2713). SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC193 AND ACI 355.2 FOR USE IN CRACKED CONCRETE MAY BE CONSIDERED.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED BY SECTION 1704 OF THE REFERENCED BUILDING CODE. THE INTENT OF SPECIAL INSPECTIONS IS TO VERIFY THE COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND/OR PLACEMENT OF COMPONENTS WITH THE COMPLETED SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. IT IS THE RESPONSIBILITY OF ALL PARTIES INVOLVED TO BECOME FAMILIAR WITH THE SPECIAL INSPECTION REQUIREMENTS SET FORTH IN CHAPTER 17 OF THE REFERENCED BUILDING CODE. SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER OR THE OWNER'S AGENT AND SHALL NOT BE CONSIDERED IN THE SCOPE OF WORK OF THE CONTRACTOR.
   - A. THE FOLLOWING SCHEDULE OF SPECIAL INSPECTIONS FOR STRUCTURAL WORK HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 106.1 AND 1704

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.6 SOILS

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Cont.	Periodic	N/A		
1. Bearing Materials	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		X		Testing Agency Under supervision of Licensed Geotechnical...	
2. Excavations	Verify excavations are extended to proper depth and have reached proper material		X		Testing Agency Under supervision of Licensed Geotechnical...	
3. Fill Classification	Perform classification and testing of compacted fill materials		X		Testing Agency Under supervision of Licensed Geotechnical...	
4. Placement and Fill Compaction	During fill placement, verify use of proper materials and procedure in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill	X			Testing Agency Under supervision of Licensed Geotechnical Engineer	
5. Subgrade	Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly		X		Testing Agency Under supervision of Licensed Geotechnical...	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.3 CONCRETE CONSTRUCTION

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Cont.	Periodic	N/A		
In-Plant Special Inspections (Precast Concrete)	Fabrication and implementation procedures: In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.			X	As Noted Below	Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2.5.1. Fabricator is required to submit documentation/certification that the...
1. Reinforcing steel	a. Mild Reinforcing Steel: Inspect size, spacing, cover, positioning and grade of reinforcing steel: Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Verify welded wire fabric is supported per construction documents. Reference ACI 318: 20, 25.2, 25.3, 26.6-1-26.6-3, and IBC 1908.4.		X		Testing Agency	
	b. Prestress Steel: Inspect size, spacing, cover, and position of prestressing tendons:			X	Testing Agency	
2. Welding of Reinforcing Steel	a. Verify weldability of reinforcing bars other than ASTM A706. Reference ACI 318: 26.6.4 and AWS D1.4			X	Testing Agency	
	b. Inspect single pass fillet welds, maximum 5/16"			X	Testing Agency AWS - Certified...	
	c. Inspect all other welds			X	Testing Agency AWS - Certified...	
3. Cast in Place Anchor Rods	Inspect size, position and embedment of cast in place bolts and anchor rods. Inspect concrete placement and consolidation around anchors. Reference ACI 318: 17.8.2		X		Testing Agency	
4. Post Installed Anchors (Anchors installed in Hardened Concrete)	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2.4	X			Testing Agency	Reference evaluation report (identified in project general notes) for additional inspection scope required by manufacturer.
	b. Mechanical anchors and adhesive anchors not defined in 4.a. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2		X		Testing Agency	
5. Mix Design	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		X		Testing Agency	
6. Sampling and Testing of Concrete	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests as required by construction documents, and determine the temperature of concrete. Reference ASTM C 172, ASTM C31, ACI 318, 26.4.3, 26.4.4	X			Testing Agency	
7. Concrete and Shotcrete Placement	Inspect concrete and shotcrete placement for proper application techniques. Reference ACI 318: 26.5 and IBC 1908.6, 1908.7, and 1908.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	X			Testing Agency	
8. Curing and Protection	Inspect for maintenance of specified curing temperature and techniques. Inspect cold weather and hot weather protection procedures as applicable. Reference ACI 318: 26.5.3-26.5.5		X		Testing Agency	
9. Prestressed (Post-tensioned) Concrete	a. Application of Prestressing Forces: Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations. Reference ACI 318: 26.10.2			X	Testing Agency	
	b. Grouting of Bonded Prestressing Tendons in the Seismic-Force Resisting System: Reference ACI 318: 26.10.1			X	Testing Agency	
10. Precast Concrete Erection	Inspect erection of precast concrete including member configuration, connections, welding and grouting. Reference ACI 318: Ch 26.9			X	Testing Agency	
11. Precast Concrete Diaphragms	For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for: (a) installation of the embedded parts			X	Testing Agency	
	(b) Completion of the continuity of reinforcement across joints.			X	Testing Agency	
	(c) Completion of connections in the field.			X	Testing Agency	
12. Precast Concrete...	Inspect erection tolerances of precast concrete diaphragm connections for compliance with ACI 550.5			X		
13. Verification of In-Situ Concrete Strength	Verify concrete strength prior to the removal of shores and forms from beams and structural slabs and prior to the stressing of tendons in post-tensioned concrete. Reference ACI 318: 26.10.2 & 26.11.11.2		X		Testing Agency	
14. Formwork Geometry	Inspect formwork for shape, location and dimensions of the concrete member being formed. Reference ACI 318: 26.11		X		Testing Agency	

SCALE VARIES
DATE 06-05-2026
DRAWN REH / TWL
FILE #225093-3

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

SPECIAL INSPECTIONS
SFGM - PONY TREK

SHEET NO.
3-S-0.2

Steven Schaefer Associates, Inc. is a professional design firm registered in Illinois #184.005633

JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
schaefer

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Schaefer Project Number: 25-0602

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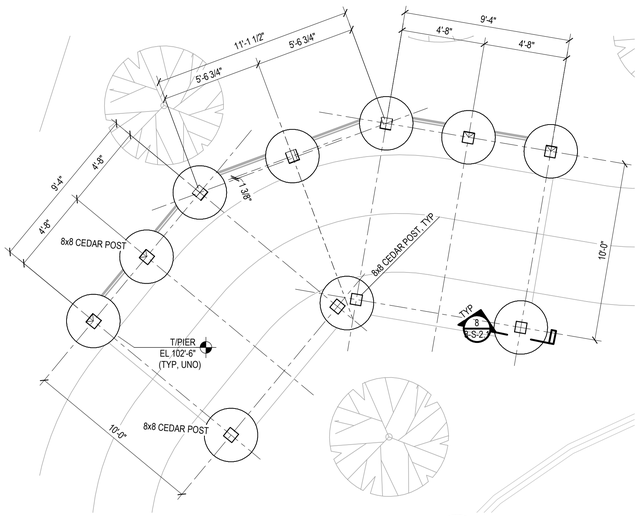


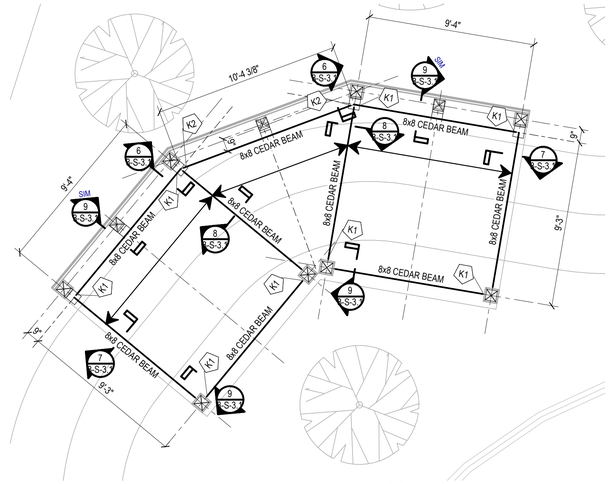
PERGOLA FOUNDATION PLAN

1/4" = 1'-0"

NORTH

FOUNDATION PLAN NOTES:

1. REFERENCE PLAN ELEVATION 100'-0" = 718.00' MEAN SEA LEVEL.
2. SEE SHEET 3-S-0.1 FOR ABBREVIATIONS & LEGEND (SYMBOLS).



PERGOLA FRAMING PLAN

1/4" = 1'-0"

NORTH

Kn KEYNOTES:

1. HUC88Z BEAM TO BEAM
2. HUC88 x SKL/R30

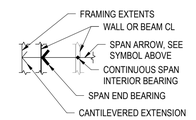
ROOF FRAMING PLAN NOTES:

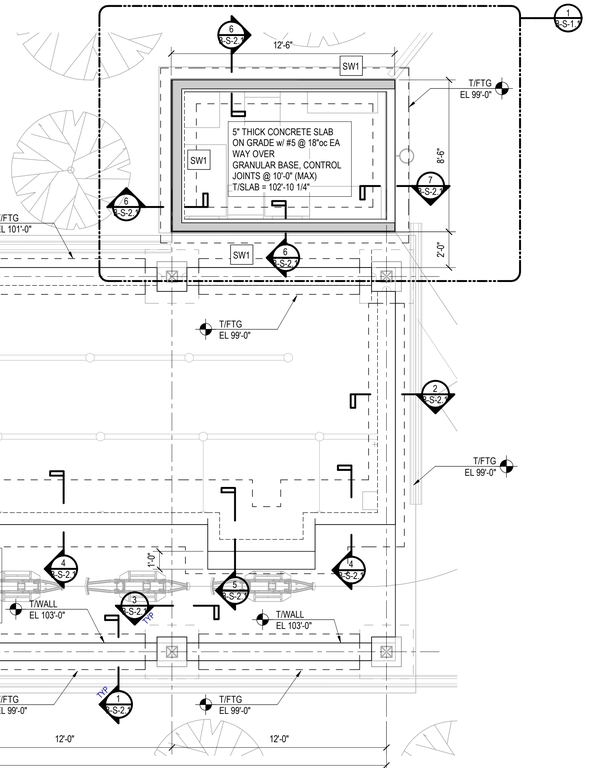
1. B/BEAM EL: 111'-6"

WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
⟷	2x8 CEDAR JOIST @ 16"oc
⟺	WOOD ROOF TRUSSES @ 24"oc MAX. TYPICAL UNLESS NOTED OTHERWISE.

SPAN ARROW VISUAL DESCRIPTION:





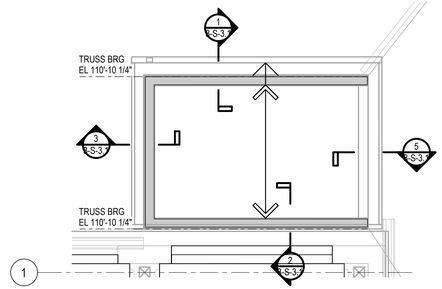
RIDE STATION/ ELECT FLOOR PLAN

1/4" = 1'-0"

NORTH

FOUNDATION PLAN NOTES:

1. REFERENCE PLAN ELEVATION 100'-0" = 718.00' MEAN SEA LEVEL.
2. DOORS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
3. SEE SHEET 3-S-0.1 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
4. ALL FOUNDATION GEOMETRY AND ELEVATIONS ARE NOT FINAL PENDING PEMB FOUNDATIONS. FOUNDATIONS ARE SHOWN GRAPHICALLY AND MAY ADJUST PENDING PEMB FOUNDATIONS.



ELECTRICAL BUILDING ROOF FRAMING PLAN

1/4" = 1'-0"

1 3-S-1.1

NORTH

ELECTRICAL ROOF FRAMING PLAN NOTES:

1. ROOF TRUSS BEARING EL: 110'-10 1/4"
2. BACKGROUND ARCHITECTURAL LAYOUT:
   A. LAYOUT SHOWN IS FLOOR BELOW.
   B. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS & ELEVATIONS.
   C. DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
3. TRUSS DESIGNER:
   A. SHEET S-0.1 STRUCTURAL NOTES & DESIGN CRITERIA.
   B. SHEET S-0.1 COMPONENTS & CLADDING WIND LOADS.
   C. COORDINATE w/ ARCHITECTURAL & MEP DRAWINGS FOR LIGHTING, VERTICAL PLUMBING, DUCTWORK, & SHAFT LOCATIONS. PROVIDE GIRDER TRUSSES AS REQUIRED TO FRAME AROUND SHAFT OPENINGS.
4. REFER TO THE FOLLOWING:
   A. SHEET S-0.1 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS).
   B. SHEET S-3.2 WOOD SHEATHING & WOOD STRUCTURAL NOTES.
   C. SHEET S-3.2 WOOD SHEAR WALL SCHEDULE & TYPICAL SHEAR WALL DETAILS.
   D. SHEET S-3.2 WOOD TRUSS PERMANENT BRACING.

Steven Schaefer Associates, Inc.
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registered in Illinois #184.005633

JEFFREY R. BOICHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
schaefer

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Schaefer Project Number: 25-0602

SCALE	VARIES
DATE	06-05-2026
DRAWN	REH / TWL
FILE	#225093-3

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

RIDE STATION/ ELECT AND PERGOLA FOUNDATION/ FRAMING PLANS

SFGM - PONY TREK

SHEET NO.

3-S-1.1

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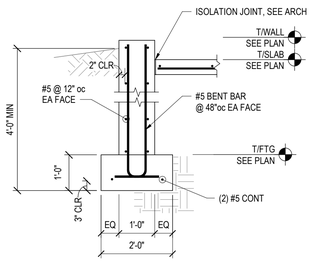
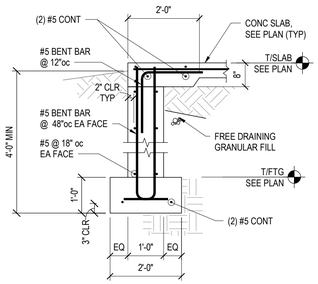


SECTION 1 (3-S-2.1)
1/2" = 1'-0"



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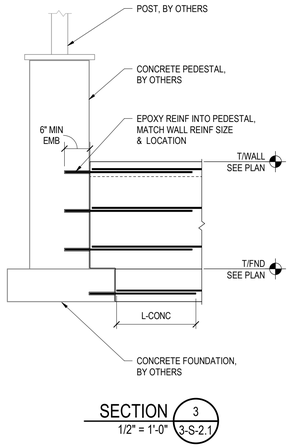

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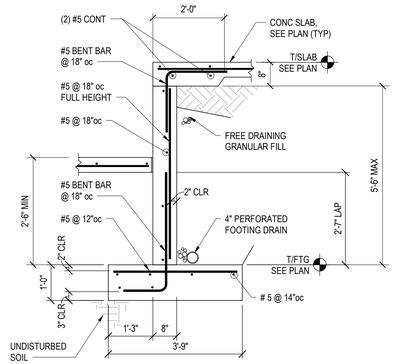

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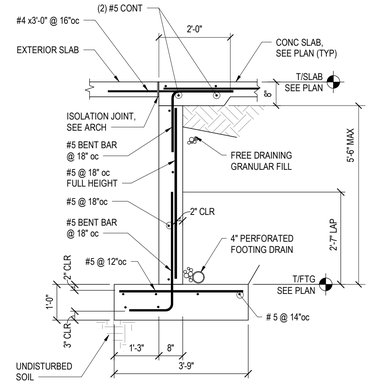

SECTION 4A (3-S-2.1)
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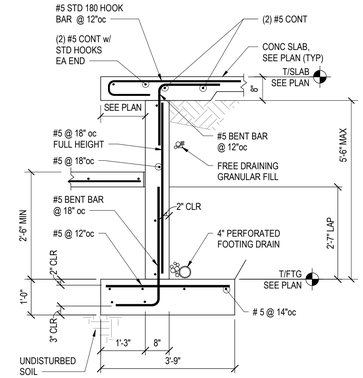

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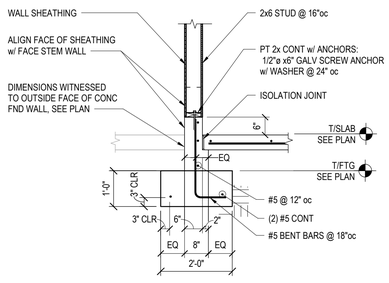

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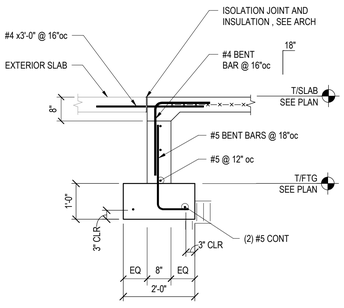

SECTION 7 (3-S-2.1)
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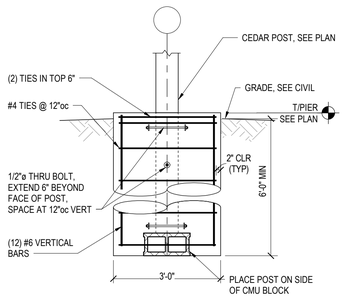
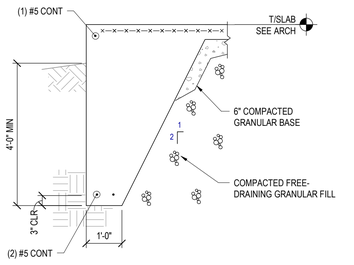
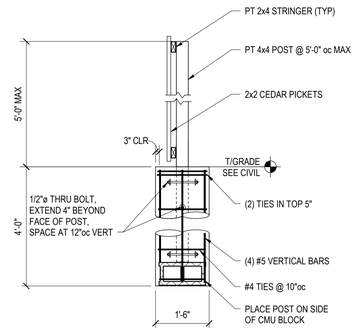


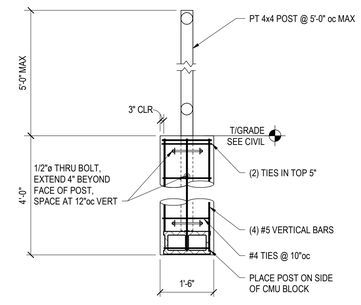
SECTION 8 (3-S-2.1)
1/2" = 1'-0"



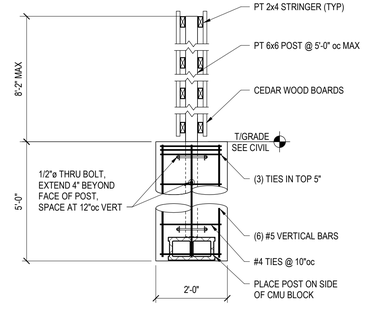
SECTION 9 (3-S-2.1)
1/2" = 1'-0"



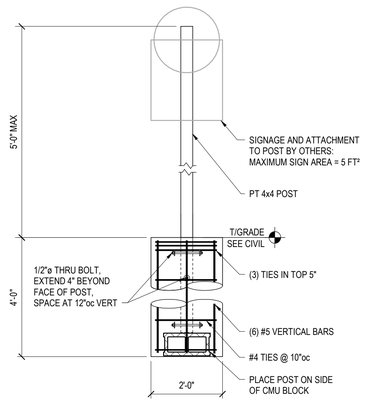
SHORT FENCE DETAIL
1/2" = 1'-0"



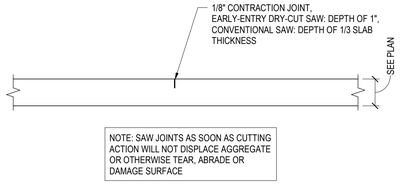
WOOD DOWEL RAILING DETAIL
NTS



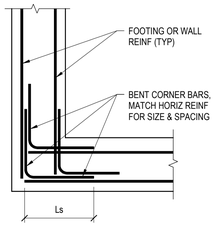
TALL FENCE DETAIL
1/2" = 1'-0"



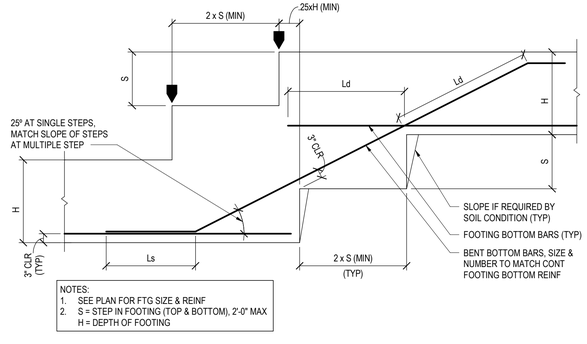
TYPICAL RIDE SIGNAGE DETAIL
1/2" = 1'-0"



SLAB ON GRADE TYPICAL CONTRACTION JOINT
NTS



TYPICAL FOOTING/THICKENED SLAB CORNER DETAIL
NTS



TYPICAL STEP IN FOOTING
NTS

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JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
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FOUNDATION SECTIONS
SFGM - PONY TREK

SHEET NO.
3-S-2.1

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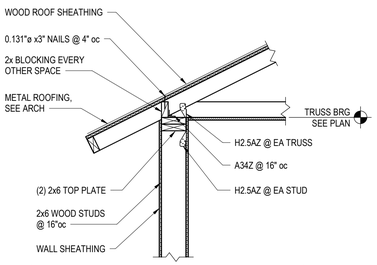
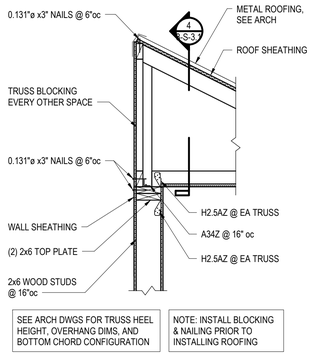
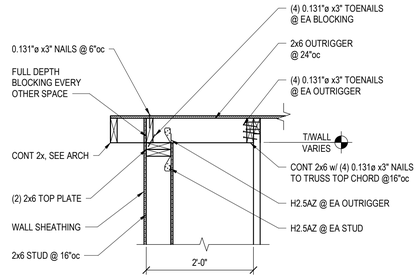


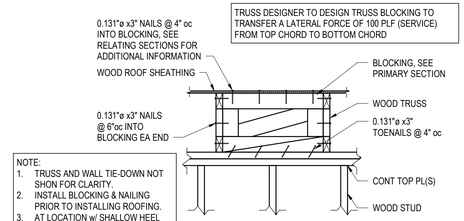
SECTION 1 — 3/4" = 1'-0" — 3-S-3.1



SECTION 2 — 3/4" = 1'-0" — 3-S-3.1



SECTION 3 — 3/4" = 1'-0" — 3-S-3.1



SECTION 4 — NTS — 3-S-3.1

SECTION 5 — 3/4" = 1'-0" — 3-S-3.1

SECTION 6 — 3/4" = 1'-0" — 3-S-3.1

SECTION 7 — 1 1/2" = 1'-0" — 3-S-3.1

SECTION 8 — 1 1/2" = 1'-0" — 3-S-3.1

SECTION 9 — 1 1/2" = 1'-0" — 3-S-3.1

SCALE VARIES
DATE 06-05-2026
DRAWN REH / TWL
FILE #225093-3

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RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

FRAMING SECTIONS
SFGM - PONY TREK

SHEET NO.
3-S-3.1

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081-006880
LICENSED STRUCTURAL ENGINEER
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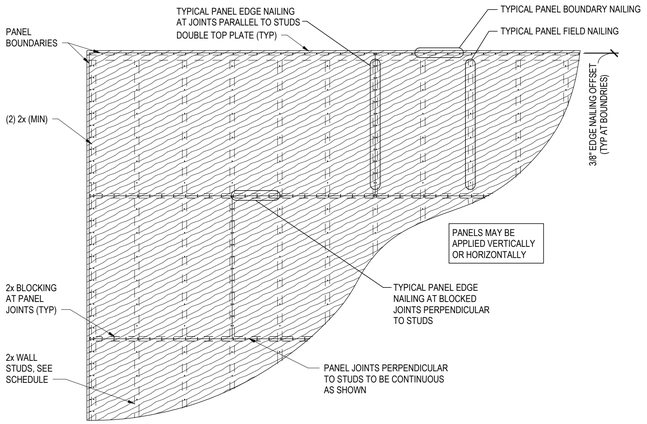
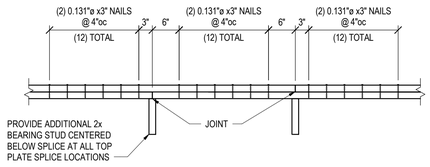
6/4/2026 10:29:38 PM G:\25\RSL Commercial - Cin - 1384820\25-2047-A\60-Drawings\schaefer\current\Pony Trek r25.rvt



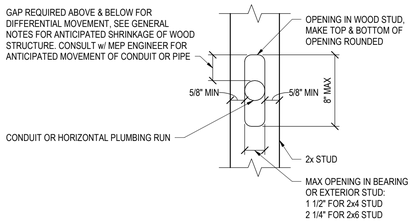
SHEAR WALL SHEATHING NAILING DETAIL

NTS



TYPICAL TOP PLATE SPLICE DETAIL

NTS



TYPICAL HORIZONTAL PENETRATION THRU WOOD STUDS

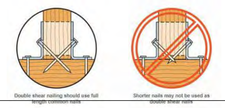
NTS

SHEAR WALL SCHEDULE SWx

FRAMING & SHEATHING											HOLDOWN			
MARK	WALL SHEATHING	FASTENER TYPE AND SPACING AT WALL PANEL EDGES	FASTENER TYPE AND SPACING WITHIN WALL PANEL FIELD	2x BLOCKING REQUIRED AT WALL PANEL EDGES	ROOF SHEATHING CONNECTION TO ROOF TRUSS	ROOF SHEATHING CONNECTION TO TRUSS BLOCKING	ROOF TRUSS BLOCKING CONNECTION TO TOP PL	2x SILL PL CONNECTION TO FOUNDATION	SHEAR WALL CAPACITY (ASD)		HOLDOWN (EA END OF SHEAR WALLS)	NUMBER OF 2x END STUDS		HOLDOWN / STUD CAPACITY, LBS (ASD)
									WIND	SEISMIC		2x4	2x6	
1	7/16 APA RATED SHEATHING ONE SIDE	0.131"ø x3" NAILS @ 6"oc	0.131"ø x3" NAILS @ 12"oc	YES	0.131"ø x3" NAILS @ 6"oc	0.131"ø x3" NAILS @ 4"oc	(4) 0.131"ø x3" TOENAILS	1/2"ø @ 24"oc	335 PLF	239 PLF	DTT2 w/ (1) 1/2"ø THREADED ROD	(2)	(2)	1800

NOTES:
1. SEE TYPICAL DETAILS THIS SHEET.
2. SILL PLATE CONNECTION NOTES:
   A. ANCHORAGE TO FOUNDATION WALL = SCREW ANCHOR w/ 6" EMBED.
   B. INSTALL PLATE WASHERS AT EA ANCHOR LOCATION. SEE "TYPICAL SHEAR WALL PLATE WASHER DETAIL" ON THIS SHEET.
   C. SEE "NAILING LENGTH NOTES" ON THIS SHEET FOR ADDITIONAL INFORMATION.
3. PROVIDE SEPARATE STUD PACKS FOR HEADER & SHEAR WALL, SEE "TYPICAL PLAN DETAIL FOR SHEAR WALL HOLDOWN ADJACENT TO ROUGH OPENING" ON THIS SHEET.
4. HOLDOWN ANCHOR ROD CONNECTION NOTE:
   A. ANCHORAGE TO STEM WALL = ADHESIVE ANCHOR w/ 9" EMBEDMENT.

THE FOLLOWING NOTES ARE IN ADDITION TO THE INFORMATION STATED IN THE WOOD SECTION OF THE GENERAL NOTES.
1. NAIL SIZES AS CALLED OUT IN THE STRUCTURAL DRAWINGS & FOR CONNECTIONS ARE AS FOLLOWS:
   A. 6d NAILS ARE 0.120"ø x1 3/4" LONG (MIN 3/8"ø HEAD)
   B. 8d NAILS ARE 0.131"ø x2 1/2" LONG.
   C. 10d NAILS ARE 0.148"ø x3" LONG.
   D. 16d NAILS ARE 0.162"ø x3 1/2" LONG.
2. PNEUMATIC GUN NAILS SHALL MEET THE DIAMETER & LENGTH AS SHOWN ABOVE REGARDLESS OF THE NAIL SIZE INDICATED BY THE PNEUMATIC GUN NAIL MANUFACTURER.
3. NAILS WITH EXTERIOR EXPOSURE OR FASTENED TO PRESSURE TREATED LUMBER MUST BE GALVANIZED.
4. FOR STRAPS:
   A. ALWAYS USE THE DIAMETER OF NAIL AS SPECIFIED BY . 1 1/2" LONG NAILS, INSTEAD OF FULL LENGTH NAILS, CAN BE USED IF STRAP IS FASTENED DIRECTLY TO THE FRAMING MEMBER WITHOUT SHEATHING IN BETWEEN. OTHERWISE FULL LENGTH NAILS AS SPECIFIED BY MUST BE USED.
5. FOR HANGERS:
   A. ALWAYS USE THE DIAMETER OF NAIL & MAXIMUM NAILING AS SPECIFIED BY .
      a. IF FASTENING TO A MULTIPLE PLY BEAM/HEADER, FULL LENGTH NAILS AS SPECIFIED BY MUST BE USED FOR FASTENING FROM THE HANGER FLANGE TO THE BEAM/HEADER.
      b. IF FASTENING TO A SINGLE PLY BEAM/HEADER, 1 1/2" LONG NAILS FASTENING THE HANGER FLANGE TO THE BEAM/HEADER CAN BE USED INSTEAD OF FULL LENGTH NAILS AS SPECIFIED BY .
      c. IF HANGER IS A DOUBLE SHEAR HANGER, DIAGONAL NAILS MUST BE FULL LENGTH AS SPECIFIED BY REGARDLESS OF WHETHER OR NOT THE BEAM/HEADER IS SINGLE PLY OR MULTIPLE PLY, SEE IMAGE BELOW.



NAILING LENGTH NOTES

JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

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Six Flags Entertainment Corporation

TYPICAL FRAMING DETAILS & SECTIONS
SFGM - PONY TREK

SHEET NO.
3-S-3.2

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LAGOON

METAL SHEET PILE

METAL SHEET PILE

SB-2

GAMES BUILDING
REFER TO 225093 - 6

CLAIM JUMPERS

CARTOON CABIN

COKE REFRESH

KIDS AREA
REFER TO 225093 - 5

RIDE QUEUE
REFER TO 225093 - 2

RESTROOM
REFER TO 225093 - 5

ACCESSIBLE PATH OF TRAVEL TO CLOSEST RESTROOM - 437' -0" +/-. REFER TO CIVIL DRAWINGS

YUKON BBQ PIT

10"CONC WALL

LOGGER'S RUN

LOGGER'S RUN RIDE PHOTO

LOGGER'S RUN QUEUE

WOOD STOCKADE FENCE

WILDERNESS THEATRE

GATE

PONY TREK

SPROCKET ROCKETS

WOOD STOCKADE FENCE

MAW AND PAW'S TRAIL GRUB

1 SITE ACCESSIBILITY PLAN
SCALE: 1/16" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
ROSS STANLEY LOCH
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225093-3

REVISION	DESCRIPTION

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Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags
Entertainment Corporation

SITE ACCESSIBILITY

SFGM - PONY TREK

SHEET NO.
3-AC-1.0

#225093-3

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICAN WITH DISABILITIES ACCESSIBILITY GUIDELINES
AFF	ABOVE FINISH FLOOR
ABV	ABOVE
ACCESS	ACCESSIBLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
AT	ACOUSTICAL CEILING TILE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
CL	CENTER LINE
CAB	CABINET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CSWK	CASEWORK
CTR	CENTER
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DATUM POINT
DET	DETAIL
DWG(S)	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FC	FIXTURE CONTRACTOR
FEC	FIRE EXTINGUISHER CABINET
FO	FINISHED OPENING
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PANEL
FD	FLOOR DRAIN
FIG	FIGURE
FIN	FINISH
FL	FLOOR
FLUOR	FLUORESCENT
FRT	FIRE RETARDANT TREATED
FT	FOOT
GC	GC
GWB	GYPSUM WALL BOARD
GA	GAUGE
HDF	HIGH DENSITY FIBERBOARD
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ICC	INTERNATIONAL CODE COUNCIL
INCAN	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
JST	JOIST
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
MDF	MEDIUM DENSITY FIBERBOARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PLYWD	PLYWOOD
R	RADIUS
RO	ROUGH OPENING
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ	REQUIRED
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE
SUSP	SUSPENDED
TEMP	TEMPERATURE
THRU	THROUGH
TO	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
WC	WATER CLOSET
WIC	WOOD INSTITUTE OF CALIFORNIA
WR	WATER RESISTANT
W/	WITH
W/O	WITHOUT
WD	WOOD

GENERAL NOTES

GENERAL:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, AND SERVICES TO PERFORM THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS. ALL PERMITS SHALL BE IN THE OWNER'S NAME.
4. THE CONTRACTOR SHALL ALLOW WORK BY OTHERS AND COORDINATE WORK AS NECESSARY WITH WORK BY OTHERS.
5. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONSULT ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND IN EXISTING CONDITIONS.
6. THE CONTRACTOR SHALL STORE AND PROTECT ALL MATERIALS AS RECOMMENDED BY MANUFACTURER.
7. FINAL CLEAN UP SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

DRAWINGS:

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE FROM FACE OF STUDS OR MASONRY AT NEW CONSTRUCTION AND TO FINISHED FACE OF EXISTING CONSTRUCTION UNLESS INDICATED OTHERWISE.
3. CONTACT THE ARCHITECT IMMEDIATELY IF THE DRAWINGS CONTAIN INSUFFICIENT OR CONFLICTING INFORMATION. DEVIATION FROM THESE DRAWINGS WITHOUT ARCHITECT APPROVAL SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT.
4. THE CONTRACTOR SHALL EXAMINE DRAWINGS OF WORK TO BE PERFORMED BY OTHERS FOR PURPOSES OF COORDINATING WORK WITH WORK BY OTHERS.

CONSTRUCTION AND SAFETY:

1. CONTRACTOR SHALL BRACE CONSTRUCTION AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ARCHITECT IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF THE CONTRACTOR'S PERSONNEL OR SAFETY CONDITIONS.

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-3

REVISION	DESCRIPTION

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Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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Six Flags Entertainment Corporation

GENERAL NOTES AND ABBREVIATIONS

SFGM - PONY TREK

SHEET NO.
3-A-0.1

#125093-3

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY BORK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

1 SITE PLAN
SCALE: 1/16" = 1'-0"

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-3

REVISION	DESCRIPTION

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513-891-9950 PHONE
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Six Flags
Entertainment Corporation

SITE PLAN

SFGM - PONY TREK

SHEET NO.
3-A-1.0

LICENSED ARCHITECT
EXPIRATION DATE
11.30.16
RICHARD STANLEY LEVY
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
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#125093-3

LOGGERS RUN

LOGGERS RUN RIDE PHOTO

LOGGERS RUN QUEUE

WILDERNESS THEATRE

EXISTING SCREEN WALL, TYPICAL

EXISTING LIGHT FIXTURE, TYPICAL

EXISTING STAFF ACCESS GATE

EXISTING SCREEN WALL, TYPICAL

CONCRETE CURB, REFER TO CIVIL DRAWINGS, TYP.

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYP.

4'-0" HEIGHT WOOD PICKET FENCE, REFER TO (3/A-2.3)

4'-0" HEIGHT, 12'-0" CLEAR GATES WITH SPRING HINGES, MAGLOCK, AND 'STAFF ONLY' SIGNAGE, REFER TO (5/A-2.3)

RIDE CENTERLINE, BY METALLBAU, TYPICAL

RIDE SAFETY ENVELOPE, BY METALLBAU, TYPICAL

MAINTENANCE TRACK SWITCH, REFER TO METALLBAU DRAWINGS, TYPICAL

ELEC. BUILDING

12'-0" CLEAR MINIMUM

4'-0" HEIGHT WOOD PICKET FENCE, REFER TO (3/A-2.3)

COMPACTED GRAVEL FILL, REFER TO CIVIL DRAWINGS

EXISTING SPROCKET ROCKETS LOW-ZONE FENCE

2 A-12

HORIZON STRUCTURES 21x60 KINGSTON PRE-FABRICATED PAVILION, STAIN BY HORIZON STRUCTURES

WOOD BOARD FENCE REFER TO (1/A-2.3)

CONCRETE SLAB, REFER TO STRUCTURAL DRAWINGS, TYP.

1 A-12

RIDE STATION

12'-0" CLEAR MINIMUM

COMPACTED GRAVEL FILL, REFER TO CIVIL DRAWINGS

SPROCKET ROCKETS

CONCRETE RAMP, TYPICAL OF HATCHED AREA, REFER TO STRUCTURAL DRAWINGS, TYP.

TOP OF RAMP 122.50'

BOTTOM OF RAMP 121.50'

SLOPE UP 1:20 MAX

SLOPE UP 1:20 MAX

CONCRETE WALK AT QUEUE WITH TURNDOWN EDGE, REFER TO STRUCTURAL DRAWINGS, TYP.

CONCRETE CURB, REFER TO CIVIL DRAWINGS, TYP.

EXISTING UNDERGROUND VAULT AND ACCESS

QUAZITE BOX, REFER TO ELEC. DRAWINGS

EXISTING STORM DRAIN

12'-0" CLEAR MINIMUM

4'-0" HEIGHT, 12'-0" CLEAR GATES WITH SPRING HINGES, LATCH, AND 'STAFF ONLY' SIGNAGE, REFER TO (5/A-2.3)

RELOCATED RIDE SIGN, BY OWNER

12'-0" CLEAR MINIMUM

LAND ICON, BY OWNER

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYP.

RIDE ENTRY

6'-0" CLEAR

4'-0" CLEAR

4'-0" CLEAR

4'-0" CLEAR

4'-0" CLEAR

6'-0" CLEAR

4'-0" HEIGHT WOOD PICKET FENCE, REFER TO (3/A-2.3)

EXISTING STORM DRAIN

RIDE SAFETY ENVELOPE, BY METALLBAU, TYPICAL

RIDE CENTERLINE, BY METALLBAU, TYPICAL

4'-0" HEIGHT WOOD PICKET FENCE, REFER TO (3/A-2.3)

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYP.

WOOD DOUBLED RAILS, REFER TO (2/A-2.3)

EXISTING FIRE HYDRANT

RIDE EXIT

AREA LIGHTING, REFER TO ELECTRIC DRAWINGS, TYP.

P.T. WOOD POST AND CONCRETE FOUNDATION FOR RIDE SIGNAGE, REFER TO STRUCTURAL DRAWINGS

UP-LIGHT AT BASE OF RIDE SIGNAGE, REFER TO ELECTRICAL DRAWINGS, TYP.

RIDE ENTRY

RIDE EXIT

4 A-23

1 ENLARGED SITE PLAN

SCALE: 1/8" = 1'-0"

NORTH

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225093-3

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

ENLARGED SITE PLAN

SFGM - PONY TREK

SHEET NO.

3-A-1.1

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
RICHARD STANLEY LOOS
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

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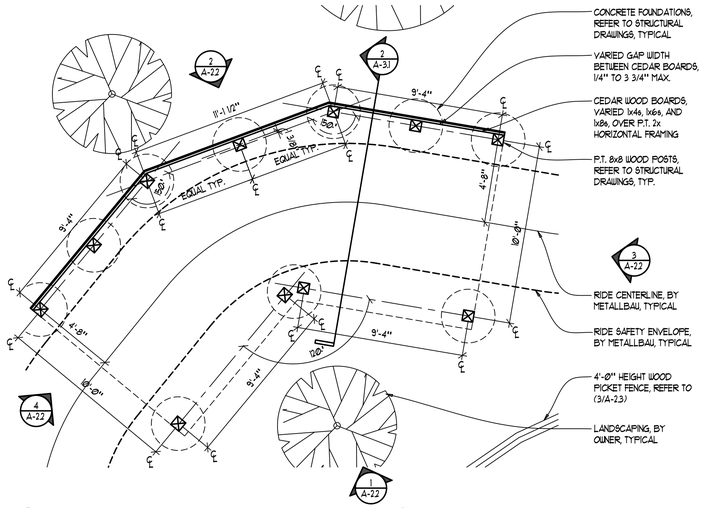
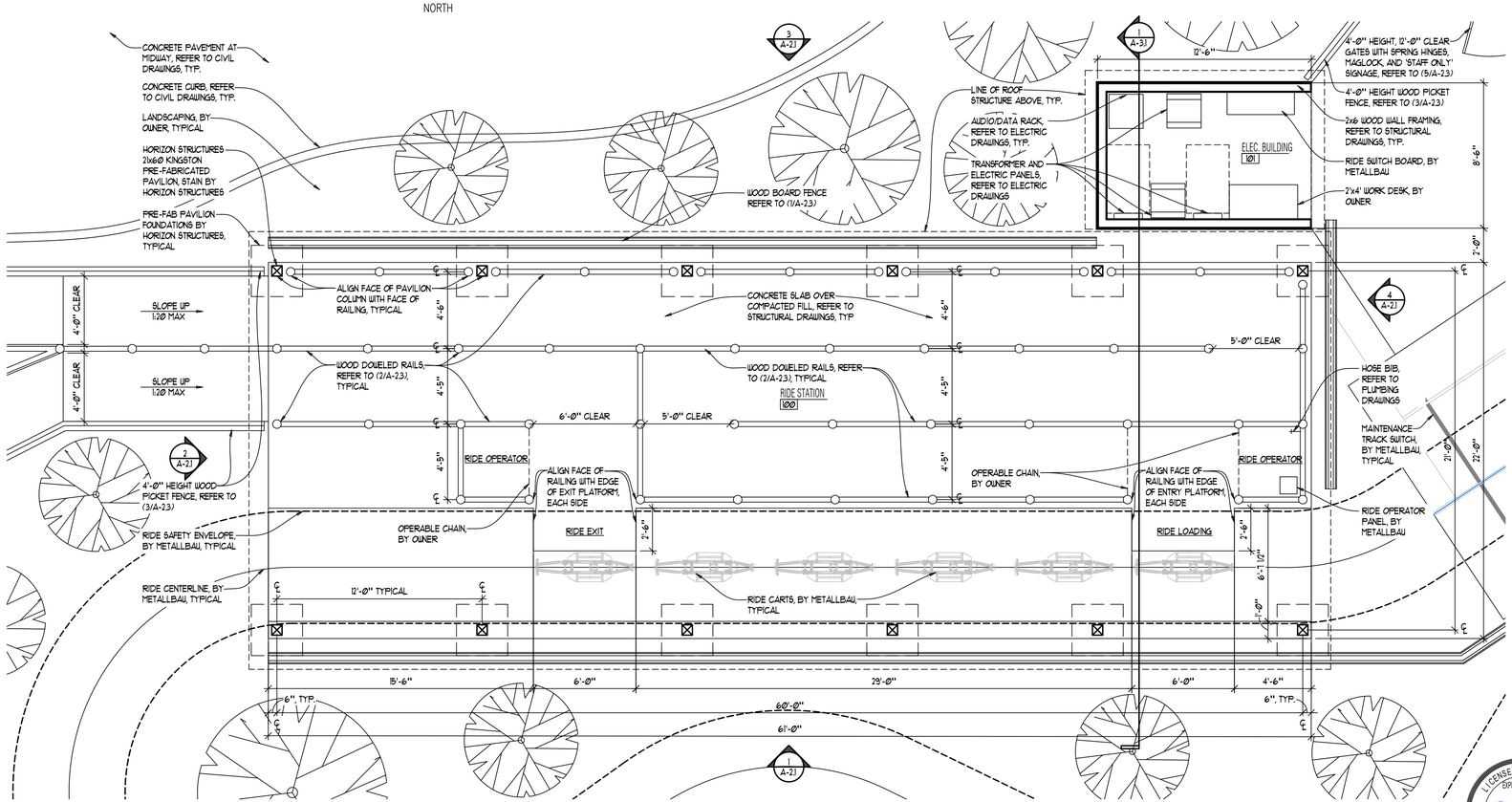


2 PERGOLA FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



1 RIDE STATION/ELEC. FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE 11-30-20
RICHARD STAN ROBINSON
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004118

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225033-3

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RIDE STATION/ ELEC. AND PERGOLA FLOOR PLANS

SFGM - PONY TREK

SHEET NO.
3-A-1.2

#225033-3

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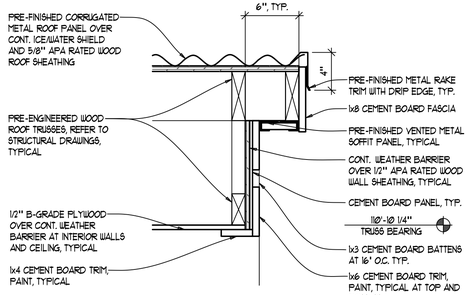
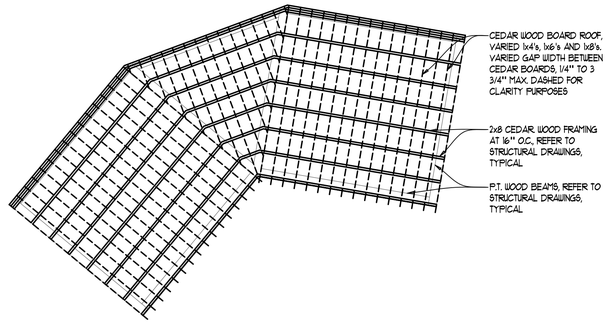
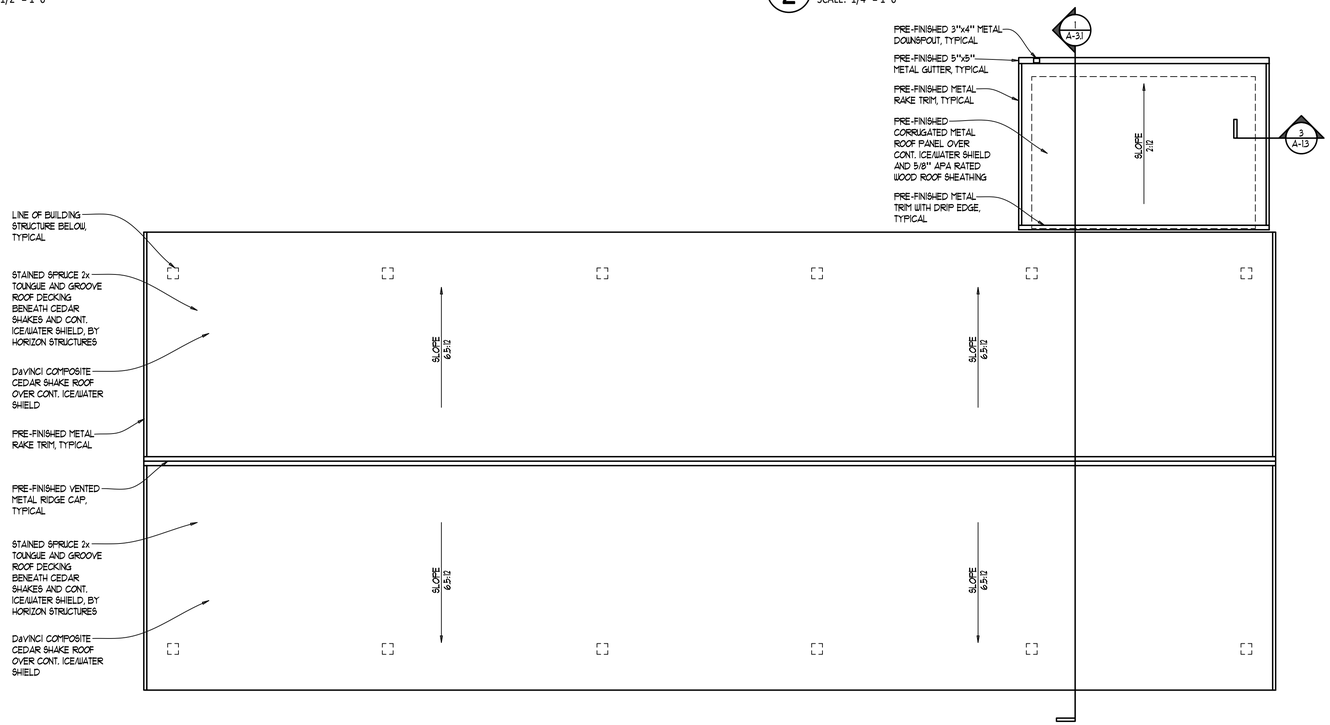


3 SECTION at RAKE
SCALE: 1 1/2" = 1'-0"



2 PERGOLA ROOF PLAN
SCALE: 1/4" = 1'-0"



1 RIDE STATION/ELEC. ROOF PLAN
SCALE: 1/4" = 1'-0"

NORTH

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DATE	06-05-2026
DRAWN	BJK
FILE	#125093-3

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513-891-9951 FAX
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RIDE STATION/ELEC. AND PERGOLA ROOF PLANS

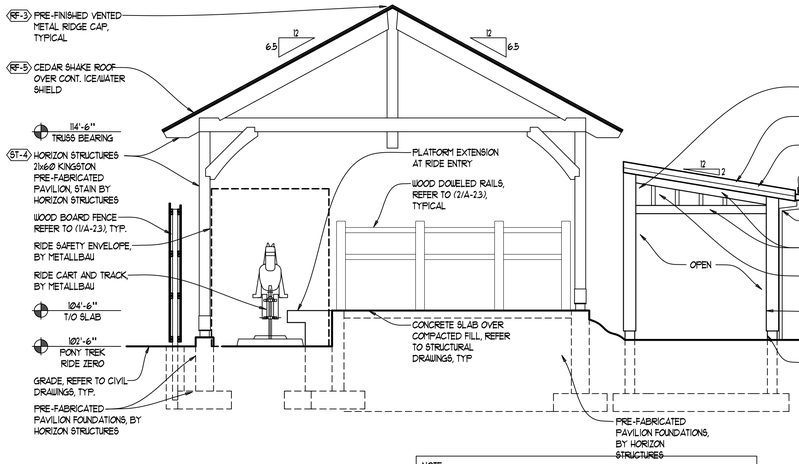
SFGM - PONY TREK

SHEET NO.
3-A-1.3

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY BOOK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

#125093-3

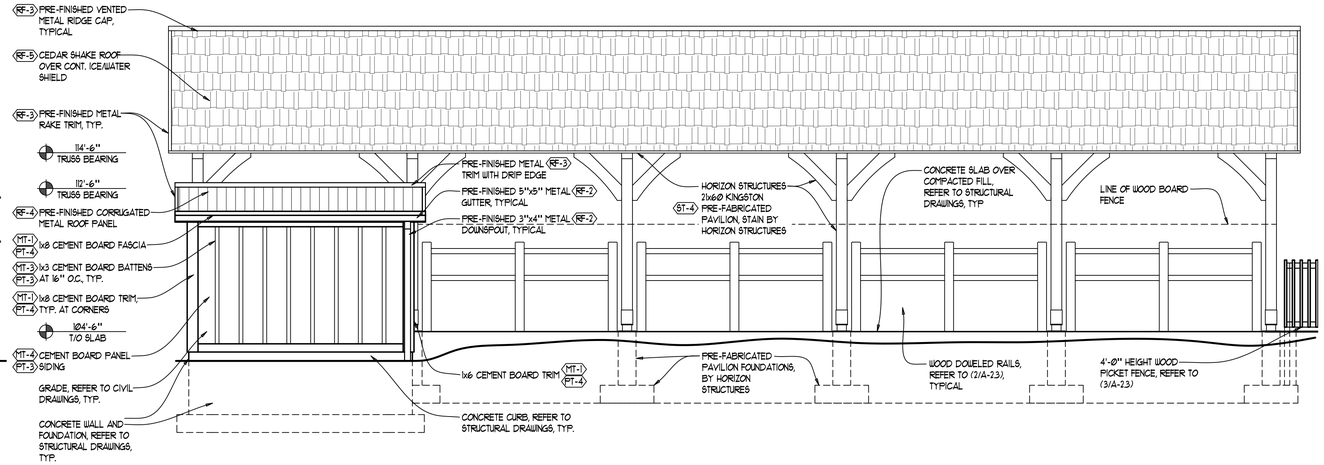
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
RF-2	METAL GUTTER AND DOWNSPOUT	MBCI	TBD	TO MATCH ROOF FINISH		
RF-3	METAL TRIM / FLASHING / RIDGE CAP	MBCI	TBD	TO MATCH ROOF FINISH		
RF-4	CORRUGATED METAL ROOF PANEL	MBCI	PBC	TBD		
RF-5	CEDAR SHAKE ROOF	BRAVA	SYNTHETIC CEDAR SHAKE	TBD		
MT-1	CEMENT BOARD TRIM	JAMES HARDIE	HARDIE TRIM: ROUGHSAWN	PRIMED FOR PAINT		
MT-3	CEMENT BOARD BATTEN	JAMES HARDIE	HARDIE TRIM BATTEN BOARDS	PRIMED FOR PAINT		
MT-4	CEMENT BOARD PANEL	JAMES HARDIE	HARDIE PANEL: SELECT CEDARMILL	PRIMED FOR PAINT		
PT-3	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0045	ANTIQUARIAN BROWN		
PT-4	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6068	BREVITY BROWN		
ST-4	STAIN	TBD	TBD	JARRAH BROWN	BY HORIZON STRUCTURES	
ST-5	STAIN	TBD	TBD			



4 RIDE STATION/ELEC. ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

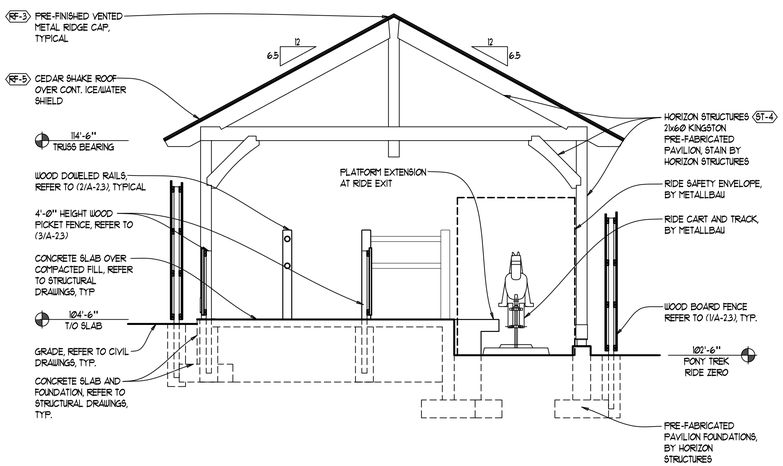
REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION



2 RIDE STATION/ELEC. ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

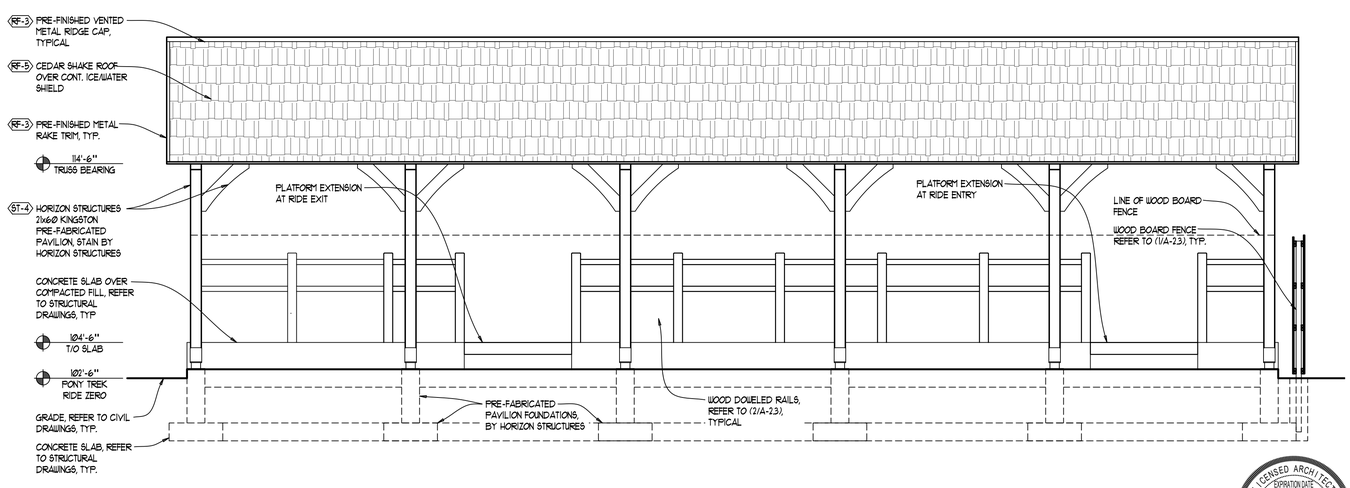
REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION



3 RIDE STATION/ELEC. ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION



1 RIDE STATION/ELEC. ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE 11-30-18
RICHARD STAN DAVIDSON
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004780

SCALE VARIES
DATE 06-05-2026
DRAWN BJK
FILE #225093-3

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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EXTERIOR ELEVATIONS

SFGM - PONY TREK

SHEET NO.
3-A-2.1

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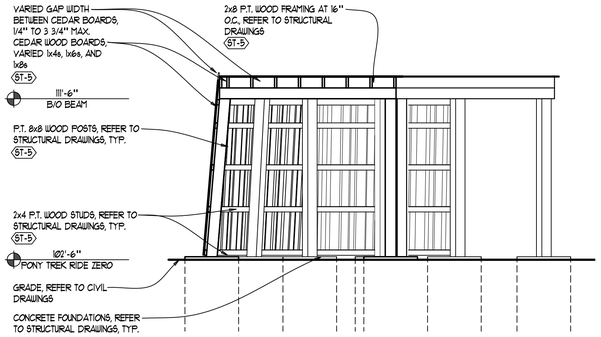
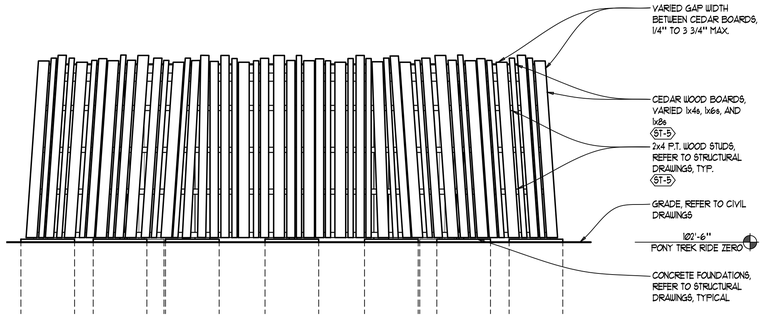
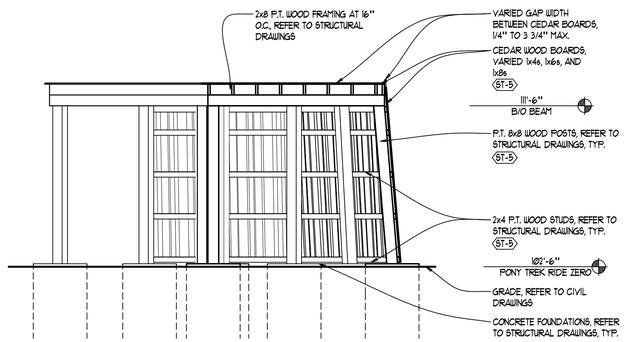


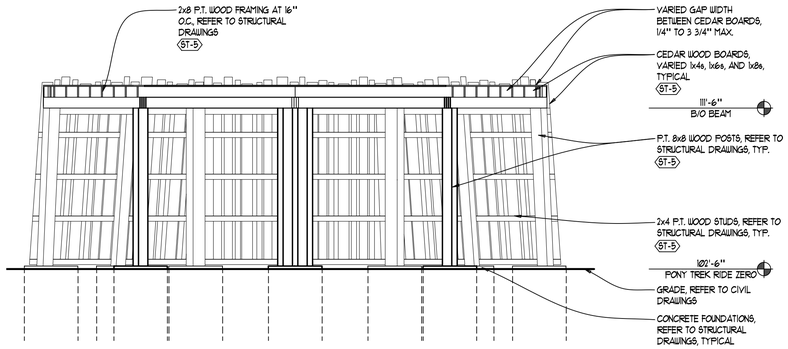
4 PERGOLA ELEVATION - LEFT
SCALE: 1/4" = 1'-0"



2 PERGOLA ELEVATION - FRONT
SCALE: 1/4" = 1'-0"



3 PERGOLA ELEVATION - RIGHT
SCALE: 1/4" = 1'-0"



1 PERGOLA ELEVATION - BACK
SCALE: 1/4" = 1'-0"

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8927 Rossash Road
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REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-3

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LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY SLOCK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

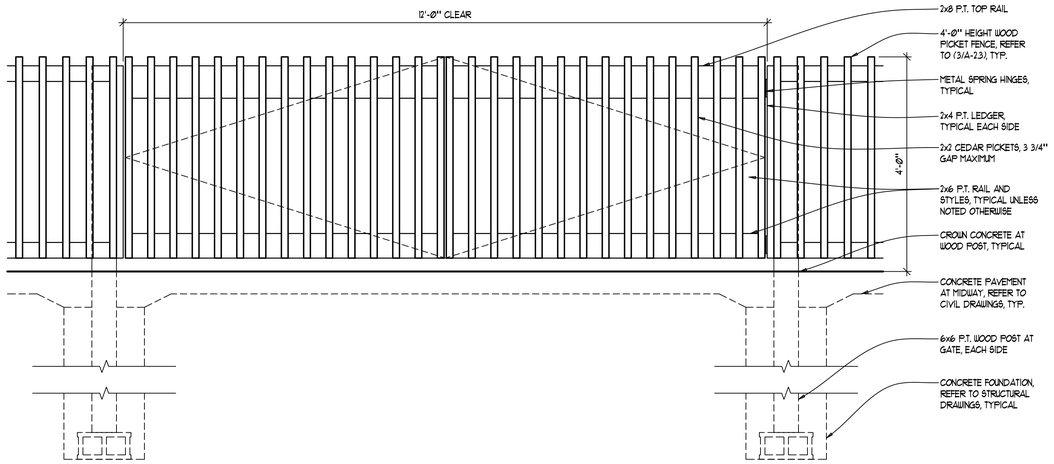
Six Flags
Entertainment Corporation

PERGOLA ELEVATIONS

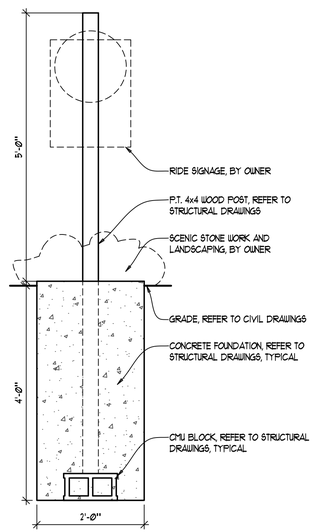
SFGM - PONY TREK

SHEET NO.
3-A-2.2

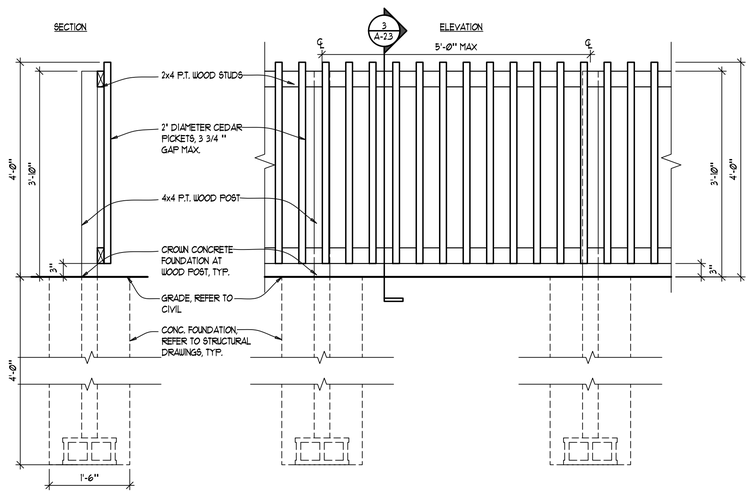
#125093-3



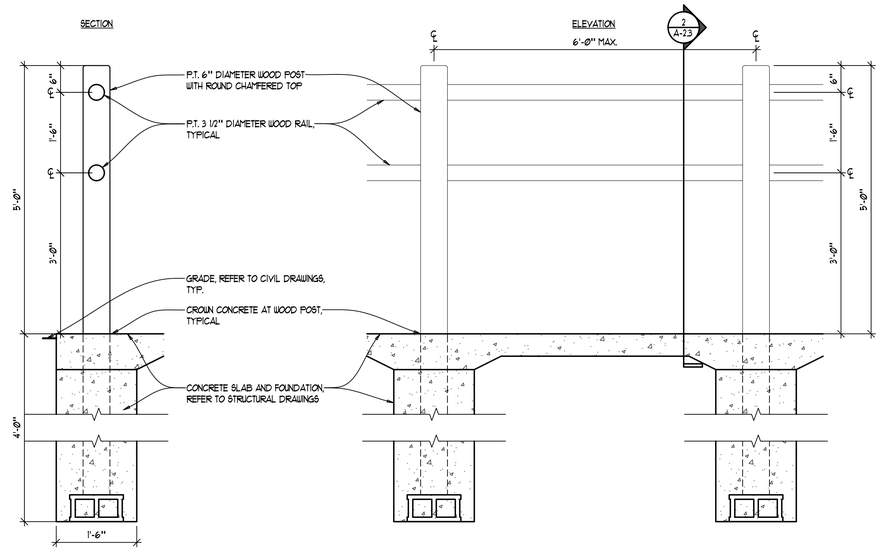
5 GATE ELEVATION
SCALE: 3/4" = 1'-0"



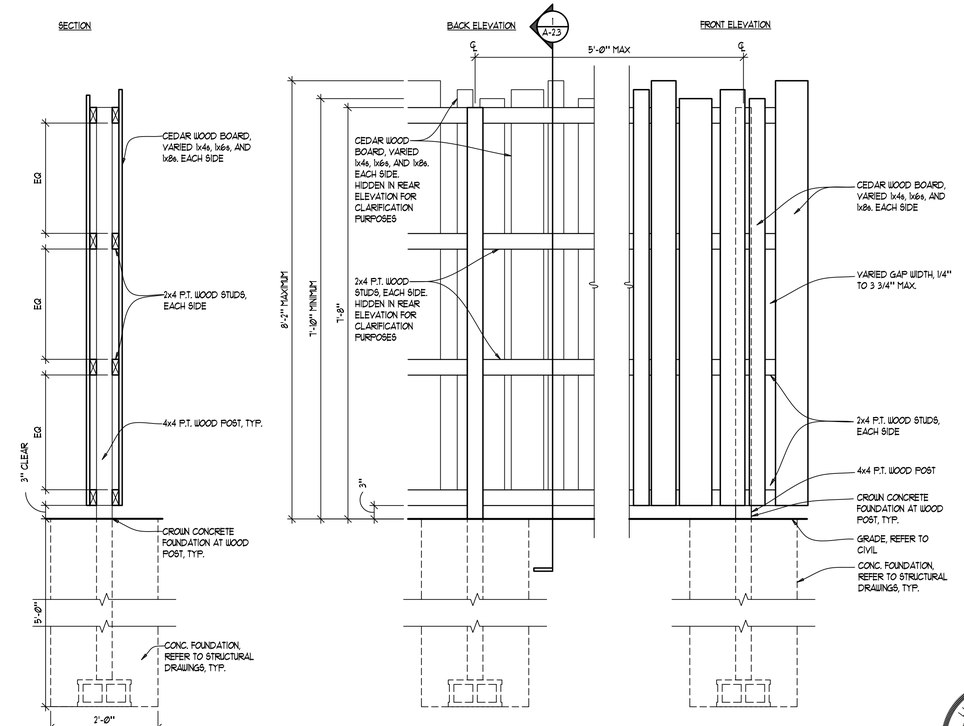
4 RIDE SIGNAGE ELEVATION
SCALE: 3/4" = 1'-0"



3 4'-0" PICKET FENCE DETAILS
SCALE: 3/4" = 1'-0"



2 WOOD DOWELED RAILING DETAILS
SCALE: 3/4" = 1'-0"



1 WOOD BOARD FENCE DETAILS
SCALE: 3/4" = 1'-0"

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FENCE, SIGNAGE, AND GATE DETAILS

SFGM - PONY TREK

SHEET NO.
3-A-2.3

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY BOOK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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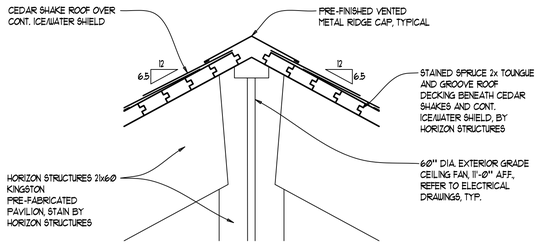
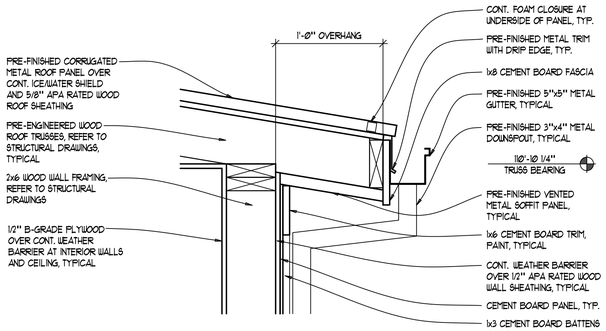
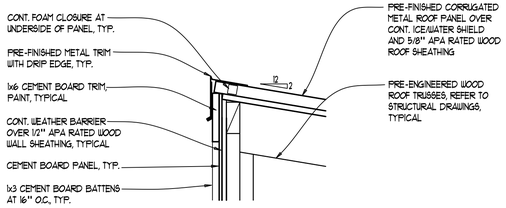


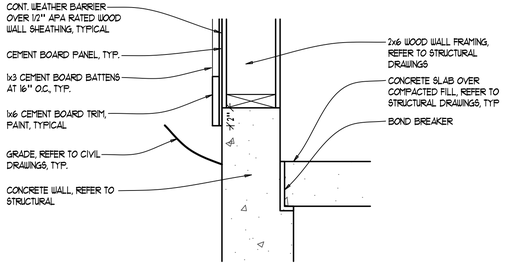
6 DETAIL AT RIDGE
SCALE: 1 1/2" = 1'-0"



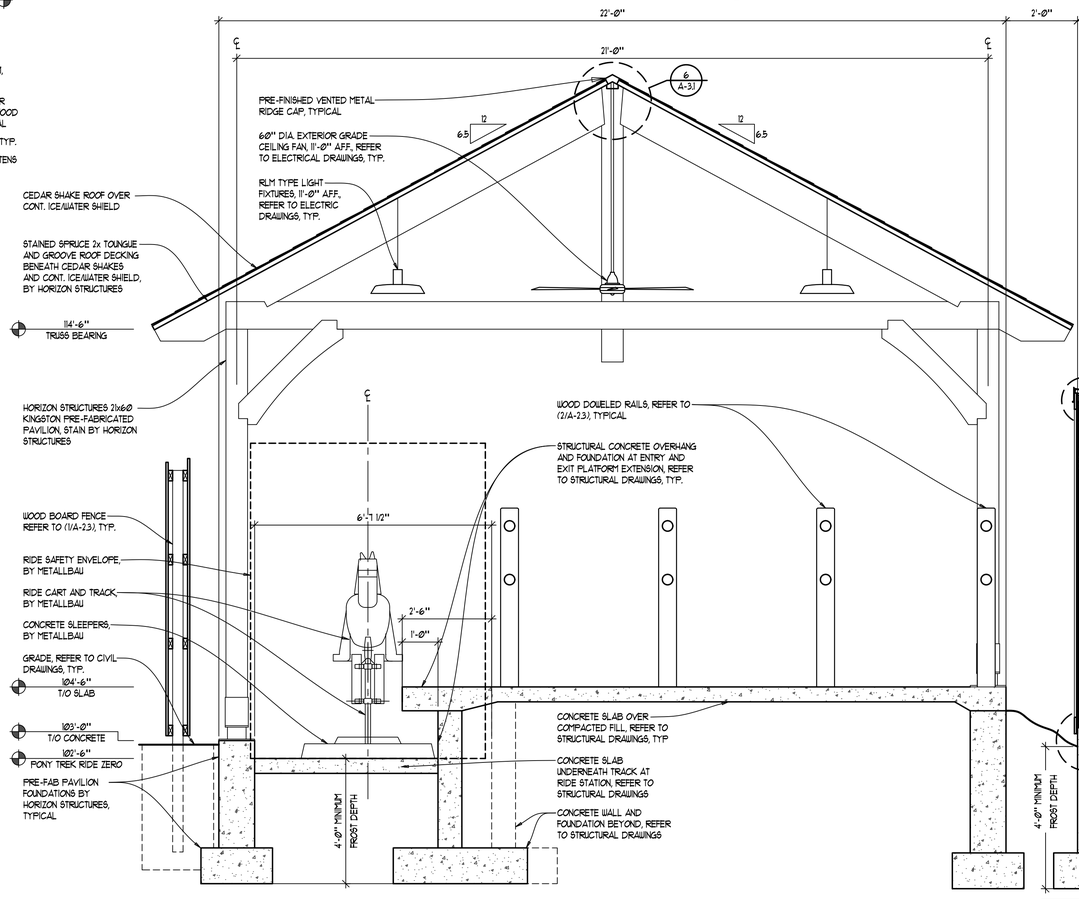
5 DETAIL AT EAVE
SCALE: 1 1/2" = 1'-0"



4 DETAIL AT ROOF
SCALE: 1 1/2" = 1'-0"



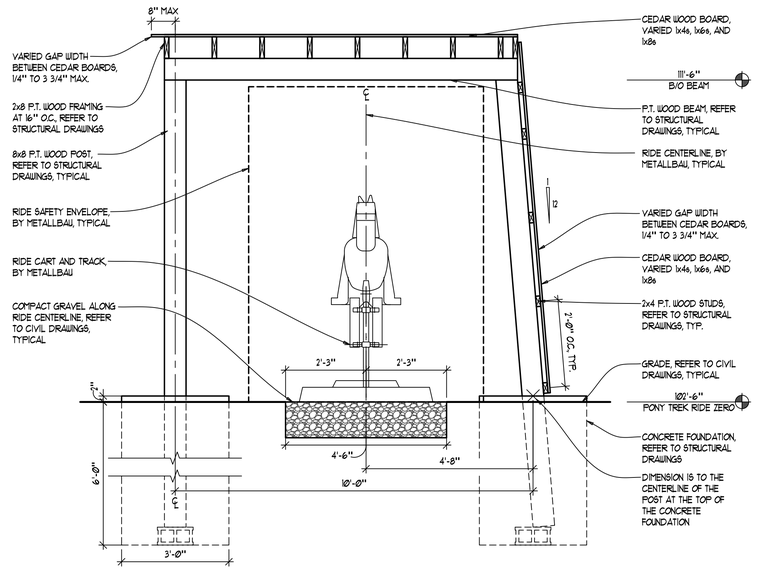
3 DETAIL AT CURB
SCALE: 1 1/2" = 1'-0"



1 RIDE STATION SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION



2 SECTION AT PERGOLA
SCALE: 1/2" = 1'-0"

REVISION	DESCRIPTION

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DATE 06-05-2026
DRAWN BJK
FILE #125093-3

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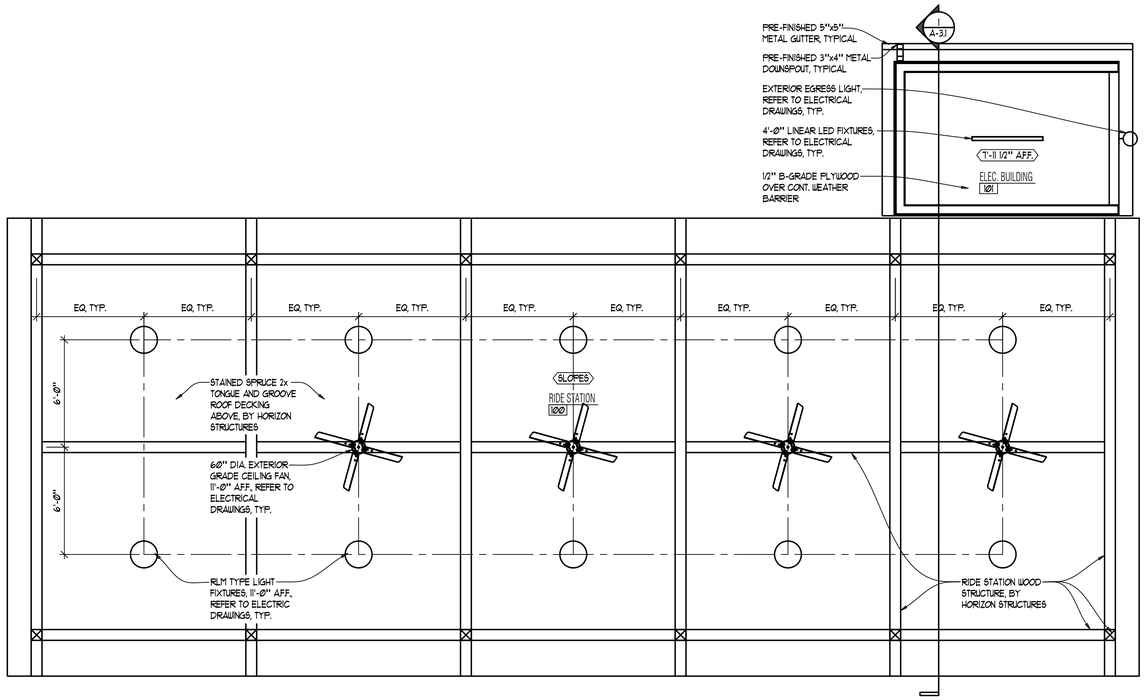
BUILDING SECTIONS

SFGM - PONY TREK

SHEET NO.
3-A-3.1

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY BORK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

#125093-3



1 RIDE STATION/ELEC. REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

NORTH

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SCALE	VARIES
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RIDE STATION/ELEC. AND PERGOLA REFLECTED CEILING PLANS

SFGM - PONY TREK

SHEET NO.
3-A-4.1

#125093-3

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STANLEY SLOAN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

TECHNOLOGY AND SECURITY SYSTEMS INFORMATION AND LEGENDS

GENERAL NOTES

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TECHNOLOGY DEVICE ROUGH-IN. PROVIDE 1" CONDUIT WITH PULL STRING TO ALL TECHNOLOGY DEVICE LOCATIONS, UNLESS OTHERWISE NOTED.

B. VERIFY EXACT LOCATION AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH OWNER PRIOR TO ROUGH-IN

DATA DROPS

DATA DROP WITH DEVICE (X44" ▼) — MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

X INDICATES DEVICE TYPE

DATA DROP (NO DEVICE) (X44" ▽)

2D	DATA OUTLET (2X)
WT	WALL TELEPHONE

COMMUNICATION DEVICES

X INDICATES DEVICE TYPE

COMM DEVICE (CLG MOUNT) (X)

BGM	BGM SPEAKER

COMM DEVICE (WALL MOUNT) (X)

SECURITY CAMERAS

	SINGLE HEAD CAMERA	WHERE WALL MOUNTED:
	DUAL HEAD CAMERA	MOUNT INTERIOR CAMERAS AT 9'-0" AFF UNO
	QUAD HEAD CAMERA	MOUNT EXTERIOR CAMERAS AT 12'-0" AFF UNO
	360° FISHEYE CAMERA	

ACCESS CONTROL DEVICES

SECURITY DEVICE (BUTTON) (X)

VERIFY MOUNTING REQUIREMENTS PRIOR TO INSTALLATION.

X INDICATES DEVICE TYPE

SECURITY DEVICE (MISC.) (X)

WIRING DEVICE LEGEND

DUPLEX (XX/44")

MOUNTING HEIGHT OF BACKBOX. RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

XX INDICATES SPECIAL NOTE (IF USED)

WP GFI, WR RECEPTACLE WITH WEATHER PROOF ENCLOSURE

DOUBLE-DUPLEX

JUNCTION BOX (JX)

JX INDICATES DEVICE DESIGNATION (IF USED)

ML	MAG LOCK GATE (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)
SHOW	WP JUNCTION BOX FOR SCENIC SHOW EFFECT (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION)
SN	SITE MONUMENT SIGN

CF (2)

CEILING FAN
52" THREE BLADE, PENDANT MOUNTED, WET LABELED CEILING FAN. EQUAL TO BIG ASS FAN HAIKU SERIES TYPE. FINISH TO BE SELECTED BY OWNER/ARCHITECT

SC (2)

SPEED CONTROLLER FOR CEILING FAN.

PS (2)

POWER SUPPLY FOR ELECTRIFIED HARDWARE
PROVIDE ELECTRICAL CONNECTION FOR POWER SUPPLY. COORDINATE LOCATION AND REQUIREMENTS WITH HARDWARE PROVIDER.

GFI	GFI		
GROUND FAULT PROTECTED	*GROUND FAULT PROTECTED, ABOVE COUNTER*	*ABOVE COUNTER*	*SPECIALTY RECEPTACLE*

DRAFTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
X	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
2 / 3-E-1.0	DETAIL CALLOUT REFER TO DETAIL 2 ON SHEET 3-E-1.0

26-ELECTRICAL SHEET LIST - PONY TREK

SHEET NUMBER	SHEET NAME
3-E-0.0	ELECTRICAL LEGENDS
3-E-0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
3-E-1.0	ELECTRICAL SITE PLAN
3-E-1.1	PONY TREK ELECTRICAL PLAN
3-E-1.2	RIDE STATION ELECTRICAL PLANS - PONY TREK
3-E-4.0	PANEL SCHEDULES
3-E-5.0	ELECTRICAL DETAILS
3-E-5.1	ELECTRICAL DETAILS
3-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
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513.891.9959 PHONE
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ELECTRICAL LEGENDS

SFGM - PONY TREK

SHEET NO.
3-E-0.0

2025122.01

1" REFERENCE LINE

6/4/2026 1:13:09 PM

WIRING METHODS LEGEND

WIRING METHODS GENERAL NOTES

1. THIS LEGEND PROVIDES AN OVERVIEW OF APPROVED WIRING METHODS FOR THIS PROJECT. REFER TO SPECIFICATION SECTION 260533 "RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS" FOR ADDITIONAL INFORMATION REGARDING SELECTION AND INSTALLATION OF CONDUITS AND BOXES.
2. UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. ALL OTHER SPACES SHALL BE CONSIDERED FINISHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. CONDUITS FOR FEEDERS WHICH ARE SCHEDULED FOR UNDER SLAB INSTALLATION SHALL BE LOCATED A MINIMUM OF 2' BELOW FINISHED FLOOR. COORDINATE WITH ALL OTHER DISCIPLINES.
4. CONDUITS FOR BRANCH CIRCUITS ARE PERMITTED UNDER SLAB ONLY WHERE NOTED ON DRAWINGS OR INDICATED ON SPECIAL CONDITIONS SCHEDULE. CONDUIT ROUTING MUST BE COORDINATED WITH ALL OTHER DISCIPLINES AND BE CLEARLY IDENTIFIED ON AS-BUILT DRAWINGS.
5. COORDINATE ROUTING OF SURFACE RACEWAY SUCH THAT VERTICAL RUNS ARE MINIMIZED, AND RACEWAY DOES NOT RUN BEHIND PERMANENTLY-INSTALLED CASEWORK OR FURNITURE.

RACEWAY SELECTION SCHEDULE

APPLICATION	*IMC*	*RMC*	*EMT*	*MC CABLE*	*FMC*	*LFMC*	*RNC*	*SURFACE RACEWAY*
CONCEALED - CMU WALLS			X					
CONCEALED - METAL STUD PARTITIONS			X	X				
CONCEALED - CAST CONCRETE WALLS							X	
CONCEALED - ICF WALLS			X					
CONCEALED - ABOVE ACCESSIBLE CEILINGS			X	A, B				
CONCEALED - ABOVE INACCESSIBLE CEILINGS			X					
EXPOSED - INTERIOR FINISHED SPACES								F
EXPOSED - INTERIOR UNFINISHED SPACES			X		D	E		X
EXTERIOR - BELOW GRADE APPLICATIONS							X	
EXTERIOR - ABOVE GRADE APPLICATIONS	X	X				E		

RACEWAY APPLICATION NOTES

A. PERMITTED FOR CONNECTION TO AND BETWEEN LIGHT FIXTURES

B. PERMITTED FOR WHIP FROM HOMERUN JBOX TO BRANCH CIRCUIT RACEWAY. SHALL NOT BE USED FOR HOMERUNS.

C. PERMITTED FOR WHIP TO FIRE ALARM DEVICE

D. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT WITHIN PLENUM

E. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT NOT WITHIN PLENUM

F. PERMITTED WHERE INDICATED ON DRAWINGS OR WHERE EXISTING WALL CONSTRUCTION PROHIBITS THE USE OF CONCEALED RACEWAY

BOXES AND COVERS SELECTION SCHEDULE

APPLICATION	*OUTLET BOXES*	*CONDUIT BODIES*	*COVERS*
FINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
UNFINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
EXTERIOR - DEFAULT	GALVANIZED MALLEABLE IRON (NOTE A)	GALVANIZED MALLEABLE IRON (NOTE A)	CAST ALUMINUM
[APPLICATION]	[BOX TYPE]	[CONDUIT BODY TYPE]	[COVER TYPE]

BOXES AND COVERS APPLICATION NOTES

A. CONDUIT SHALL ENTER FROM BOTTOM OR SIDE WHERE PRACTICAL. PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

ABBREVIATION LEGEND

GENERIC ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
CM	CONSTRUCTION MANAGER
EC	ELECTRICAL CONTRACTOR
ED	EXISTING TO BE DEMOLISHED
EM	EMERGENCY
ER	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
GC	GENERAL CONTRACTOR
NEC	NATIONAL ELECTRIC CODE
OC	ON CENTER
OH	OVERHEAD
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
WG	WIREGUARD
WP	WEATHERPROOF
WR	WEATHER RESISTANT

WIRING METHODS ABBREVIATIONS

AL	ALUMINUM
C	CONDUIT
CA	CAST ALUMINUM
CU	COPPER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
FMC	FLEXIBLE METALLIC CONDUIT
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GMI	GALVANIZED MALLEABLE IRON
GND	GROUND
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LV	LOW VOLTAGE
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHLORIDE, SCHEDULE 40
RMC	RIGID METALLIC CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
SM	SHEET METAL
ZP	ZINC PLATED

UNITS

A	AMPERE
AIC	AMPERE INTERRUPTING CAPACITY
CD	CANDELA
FC	FOOTCANDLE
HP	HORSEPOWER
KAIC	KILOAMPERE INTERRUPTING CAPACITY
LPF	LUMENS PER FOOT
V	VOLT
VA	VOLT-AMPERE
W	WATT

COMMON ELECTRICAL ABBREVIATIONS

BAS	BUILDING AUTOMATION SYSTEM
BM	BRANCH METER
CB	CIRCUIT BREAKER
DS	DISCONNECT SWITCH
EPO	EMERGENCY POWER OFF
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GP	GENERATOR PANEL
HTP	HEAT TRACE PANEL
LOD	LOCK OUT DEVICE CAPABLE
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MM	MAINS METER
MRTS	MOTOR RATED TOGGLE SWITCH
OCPD	OVERCURRENT PROTECTIVE DEVICE
OM	OWNER'S METER
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTIVE DEVICE
SUSE	SUITABLE FOR USE AS SERVICE ENTRANCE
TGB	TECHNOLOGY GROUND BAR
TR	TECHNOLOGY RACK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UM	UTILITY METER
UT	UTILITY TRANSFORMER
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER

GENERAL NOTES: - APPLIES TO ALL ELECTRICAL DRAWINGS

A. EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).

B. EC SHALL UPSIZE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE SHOWN BELOW:

WIRE SIZING CHART

RUN LENGTH		CIRCUIT BREAKER		
120V	277V	20A	30A	40A
000-100'	000-200'	12	10	8
101-150'	201-300'	10	8	6
151-200'	301-450'	8	6	4

C. WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.

D. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. EC SHALL NOT SHARE NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS.

E. ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.

F. EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.

G. ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.

H. ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.

I. HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.

J. GROUPINGS OF DEVICES LOCATED ON THE SAME WALL AT THE SAME ELEVATION SHALL BE PLACED SO THAT THE HORIZONTAL DISTANCE BETWEEN DEVICES IS NO GREATER THAN 4". PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.

K. FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LIGHTING FIXTURE SCHEDULE, ON E-0.1 SERIES SHEETS.

L. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT.

LIGHTING FIXTURE SCHEDULE - PONY TREK

GENERAL NOTES:

A. REFER TO LIGHTING CONTROL SCHEMATICS AND LIGHTING CIRCUIT SCHEDULES ON E510 SERIES DRAWINGS.
B. ALL FIXTURES MARKED 'ED' ARE EXISTING TO BE DEMOLISHED. VERIFY SERVING PANEL AND CIRCUIT NUMBER PRIOR TO DISCONNECTION. REMOVE LIGHTING BRANCH CIRCUITING ABOVE FINISHED CEILING. MAINTAIN HOME RUN CONDUIT FOR CONNECTION TO NEW FIXTURES.
C. ALL FIXTURES MARKED 'ER' ARE EXISTING TO REMAIN. FIXTURES SHALL BE CLEANED AND RELAMPED.
D. ALL FIXTURES MARKED 'ERL' ARE EXISTING TO BE RELOCATED. FIXTURES SHALL BE CLEANED AND RELAMPED.

FIXTURE TYPE	FIXTURE BASIS OF DESIGN	ALTERNATE MANUFACTURERS	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MIN LUMEN OUTPUT	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAX WATTAGE	MOUNTING METHOD	TYPE COMMENTS
G10	HYDREL TIERRA IGF4	APPROVED EQUAL	IN-GRADE LED FIXTURE, P2 PERFORMANCE PACKAGE, WALL WASH DISTRIBUTION, WET LOCATION RATED, FINISH SELECTED BY OWNER, 4" DIAMETER	LED	STANDARD	570 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	10 VA	GROUND MOUNTED	
P50	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, MOUNTS TO WOODEN TIMBER POLE WITH 36" LONG TIMBER CROSS ARM AND ANCHOR BOLT BASE HARDWARE, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	POLE MOUNTED	POLE AND CROSS-ARM BY GENERAL CONTRACTOR. VERIFY EXACT REQUIREMENTS. REFER TO SCENIC LIGHTING PACKAGE FOR ADDITIONAL INFORMATION.
P50T	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, TANDEM HEADS, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, MOUNTS TO WOODEN TIMBER POLE WITH 36" LONG TIMBER CROSS ARM AND ANCHOR BOLT BASE HARDWARE, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	32 VA	POLE MOUNTED	POLE AND CROSS-ARM BY GENERAL CONTRACTOR. VERIFY EXACT REQUIREMENTS. REFER TO SCENIC LIGHTING PACKAGE FOR ADDITIONAL INFORMATION.
R16	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, 1/2" CONDUIT STEM MOUNT - LENGTH TO BE DETERMINED, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	PENDANT MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION
R16W	ANP LIGHTING W516	APPROVED EQUALS	16" DIAMETER RLM FIXTURE,16W A21 LED LAMP, FINISH TO BE SELECTED BY OWNER, WALL MOUNT BRACKET, WIRE GUARD	LED	STANDARD	2000 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	16 VA	WALL MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION
V10	LITHONIA CSVT	APPROVED EQUALS	INDUSTRIAL VAPOR TIGHT LINEAR, WET LOCATION, HIGH IMPACT DIFFUSER, SST LATCHES, 4' LONG	LED	STANDARD	4000 lm	4000 K	LED DRIVER	120 V	34 VA	SURFACE MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION

LIGHTING FIXTURE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A10 r	2'x4' RECESSED TROFFER	G10 r	CYLINDRICAL PENDANT
A20 r	2'x2' RECESSED TROFFER	T20 T10 r	TRACK W/ TRACK HEAD
A30 r	1'x4' RECESSED TROFFER	H10 r	RECTANGULAR HIGH BAY
C10 r	LINEAR PENDANT	E10	DUAL HEAD EMERGENCY FIXTURE
D10 r	RECESSED DOWNLIGHT	X10	EXIT SIGN

LIGHTING FIXTURE TAGS

1. CAPITAL LETTER WITH NUMBER DENOTES FIXTURE TYPE - REFER TO LIGHTING FIXTURE SCHEDULE
2. SMALL LETTER DENOTES SWITCH LEG/RELAY NUMBER - REFER TO E-1.0 SERIES SHEETS FOR TYPICAL ROOM LAYOUTS.

EMERGENCY LIGHTING FIXTURES

1. FIXTURES DENOTED WITH GRAY FILLED IN AREA SHALL PROVIDE EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER.
2. FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING.
3. EXIT SIGN:
   - SHADED AREA DENOTES FACE
   - ARROW DENOTES ARROW DIRECTION
   - WHEN ON WALL, MOUNT NO HIGHER THAN 6" ABOVE TOP OF NEAREST DOORWAY

LIGHTING CONTROL SYMBOL LEGEND

OCCUPANCY/VACANCY SENSOR

X INDICATES SENSOR TYPE OR SPECIAL NOTE. IF OMITTED, SENSOR IS DUAL FUNCTION OCCUPANCY/VACANCY SENSOR.

STEM INDICATES WALL MOUNTED AT 10'-0" AFF UNO

SENSOR TYPES

HB	HIGH BAY
O	OCCUPANCY ONLY
V	VACANCY ONLY

WALL CONTROL STATION

SX INDICATES CONTROL STATION TYPE OR SPECIAL NOTE. IF OMITTED, CONTROL STATION IS SINGLE POLE SWITCH.

a/b/c INDICATES ZONE OF CONTROL. REFER TO DRAWINGS.

LIGHTING SWITCH

 # OF "S" INDICATES NUMBER OF SWITCHES

CONTROL STATION TYPES

3	3 WAY
4	4 WAY
CS1	CONTROL STATION - ON/OFF/DIM
K	KEYED SWITCH
OS1	OCCUPANCY SENSOR
OS2	OCCUPANCY SENSOR - 2 POLE
OSD	OCCUPANCY SENSOR - DIMMING
T	TIMER SWITCH

MECHANICAL CONTROLS LEGEND

EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR MECHANICAL CONTROL DEVICES. REFER TO M-SERIES DRAWING SHEETS FOR EXACT LOCATIONS AND DETAILS.

XX INDICATES DEVICE DESIGNATION

C	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
H	HUMIDITY SENSOR
S	BAS SPACE TEMPERATURE SENSOR
T	THERMOSTAT
TH	COMBINATION THERMOSTAT / HUMIDITY SENSOR
V	VOC SENSOR

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SAMUEL H. BOHMAN
062-07877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 - 513.381.2112

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS

SFGM - PONY TREK

SHEET NO.
3-E-0.1

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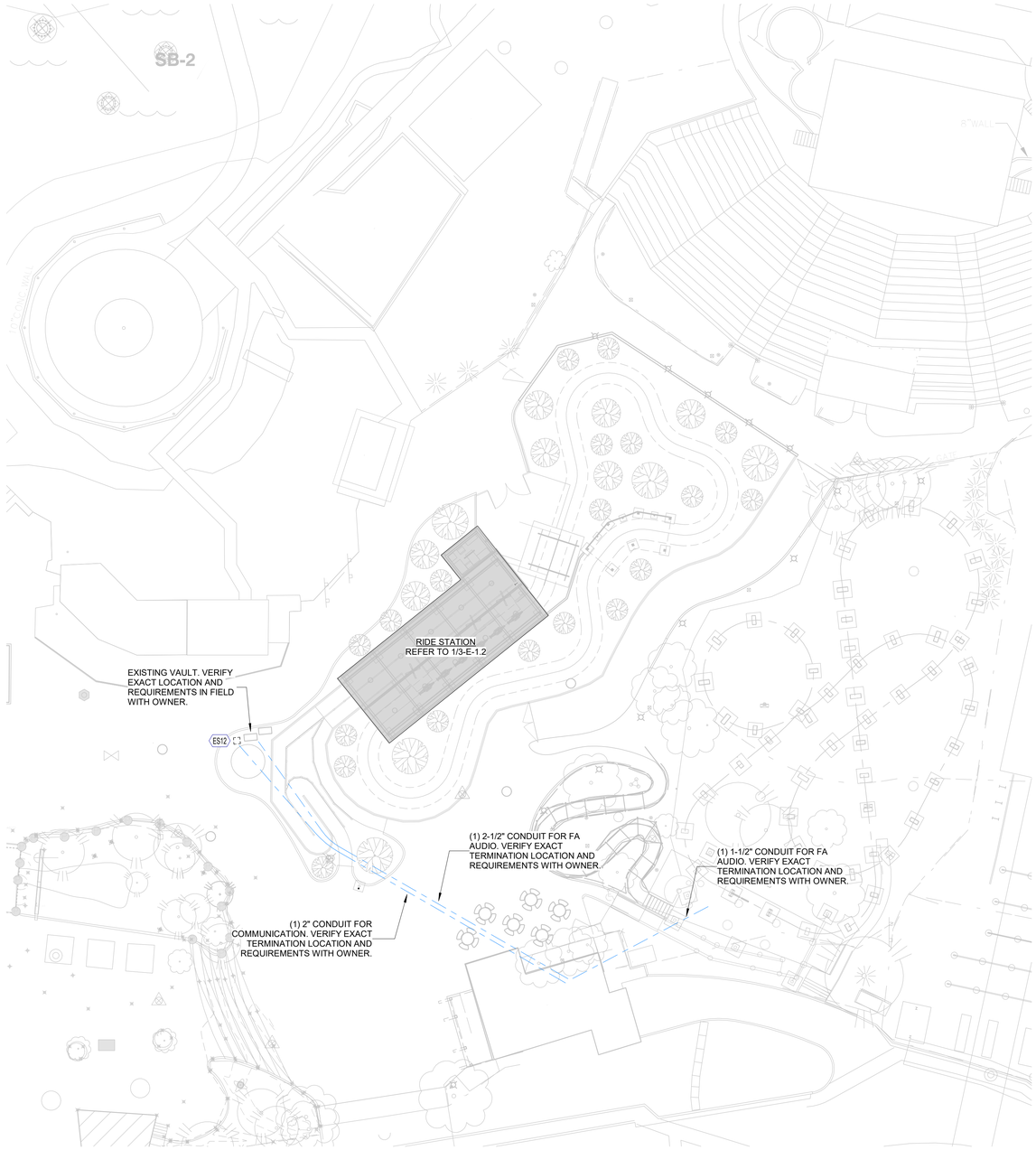

1 / 3-E-1.0 ELECTRICAL SITE PLAN - PONY TREK

1" = 20'-0"

GENERAL NOTES - SITE PLAN

A. COORDINATE SCHEDULE OF WORK WITH OWNER.

B. PERFORM ALL EXCAVATION, TRENCHING AND BACKFILL REQUIRED FOR THE INSTALLATION OF THIS WORK. ALL BACKFILL SHALL BE BROUGHT TO FINISHED GRADE AND MATCH SURROUNDING CONDITIONS. RESTORE ALL DISTURBED PAVING AND LANDSCAPING TO ORIGINAL CONDITIONS. PULL BOXES SHALL BE PROVIDED OF THE TYPE MEETING THE REQUIREMENTS AND CONDITIONS FOR THE USE INTENDED. PROVIDE QUANTITY AND TYPE OF PULL BOXES TO MEET INSTALLATION REQUIREMENTS.

C. COORDINATE DEPTH AND ROUTING OF UNDERGROUND WORK WITH OTHER SITE UTILITIES.

D. COORDINATE ALL SITE CONDUIT ROUTING WITH OTHER DISCIPLINES. ROUTING SHOWN ON DRAWINGS IS FOR REFERENCE ONLY AND MAY BE MODIFIED TO ACCOMMODATE FOR SITE CONDITIONS.

KEYNOTES

ES12 PROVIDE 12" X 12" TIER 22 GROUND MOUNTED QUAZITE BOX FOR COMMUNICATION. COMPLETE WITH COVER AND STAINLESS STEEL HARDWARE. REFER TO DETAIL. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS

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8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

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ELECTRICAL SITE PLAN
SFGM - PONY TREK

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3-E-1.0

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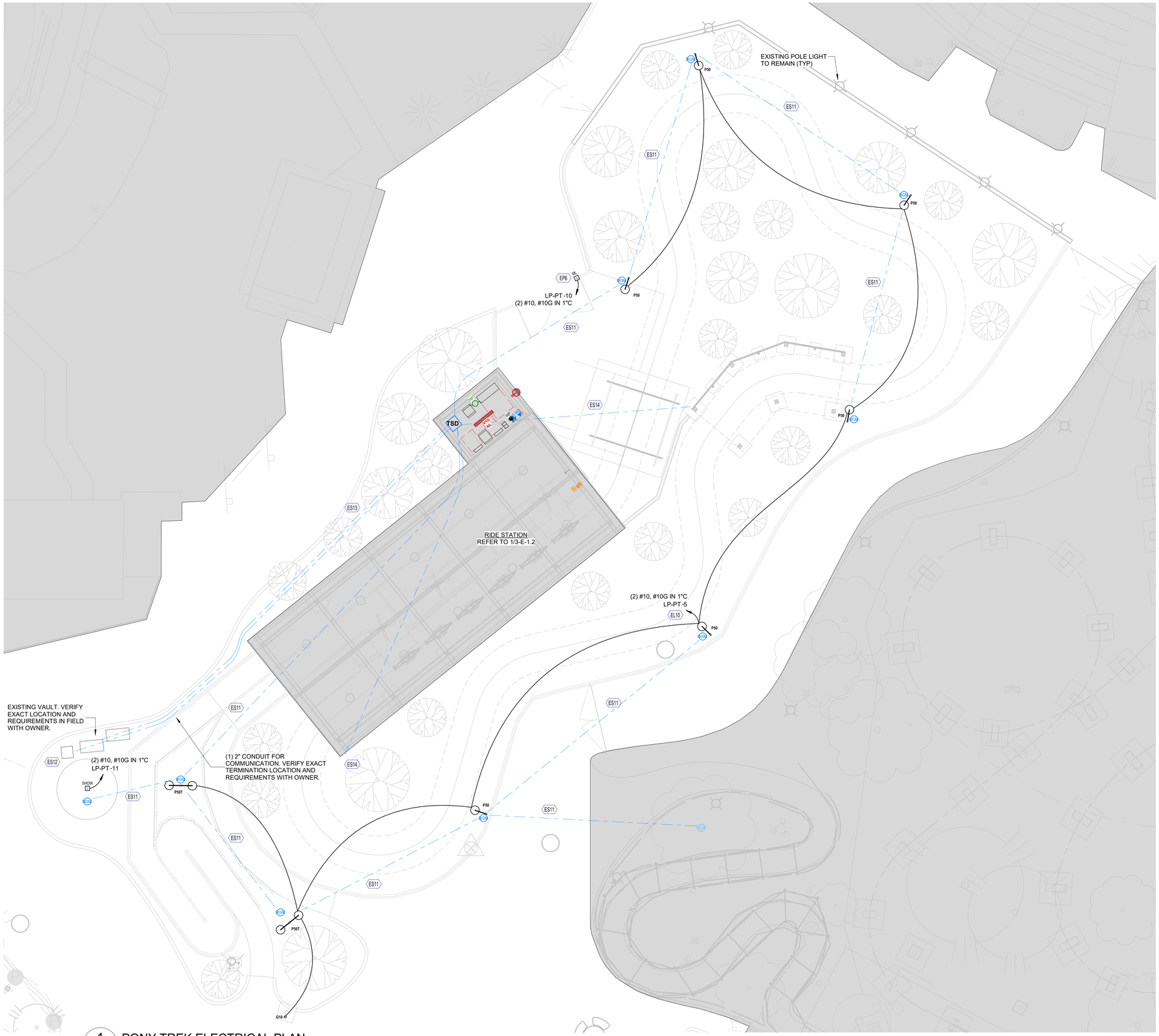

1 PONY TREK ELECTRICAL PLAN
3-E-1.1 1/8" = 1'-0"

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062-07877
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8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rsl-arch.com

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

C. EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF MECHANICAL CONTROL DEVICES. REFER TO MECHANICAL CONTROLS LEGEND FOR DEVICE DESIGNATION. REFER TO M-SERIES SHEETS FOR EXACT LOCATIONS AND DETAILS FOR EACH DEVICE.

D. EC SHALL BE RESPONSIBLE FOR TECHNOLOGY ROUGH-IN LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

KEYNOTES

EL10 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/3-E-1.2 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

EP6 ROUTE (1) 2" CONDUIT TO GATE FROM RCC FOR RIDE CABLING. REFER TO RIDE MANUFACTURER DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD WITH OWNER.

ES11 ROUTE (1) 1-1/2" CONDUIT FOR AREA BGM. VERIFY EXACT TERMINATION LOCATION AND REQUIREMENTS WITH OWNER.

ES12 PROVIDE 12" X 12" TIER 22 GROUND MOUNTED QUAZITE BOX FOR COMMUNICATION. COMPLETE WITH COVER AND STAINLESS STEEL HARDWARE. REFER TO DETAIL. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

ES13 ROUTE (1) 2-1/2" CONDUIT FOR FA AUDIO. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

ES14 ROUTE (1) 2-1/2" CONDUIT. TERMINATE IN WEATHERPROOF JUNCTION BOX FOR FA AUDIO. VERIFY EXACT TERMINATION LOCATION REQUIREMENTS WITH OWNER.

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PONY TREK ELECTRICAL PLAN
SFGM - PONY TREK

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3-E-1.1

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GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

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E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

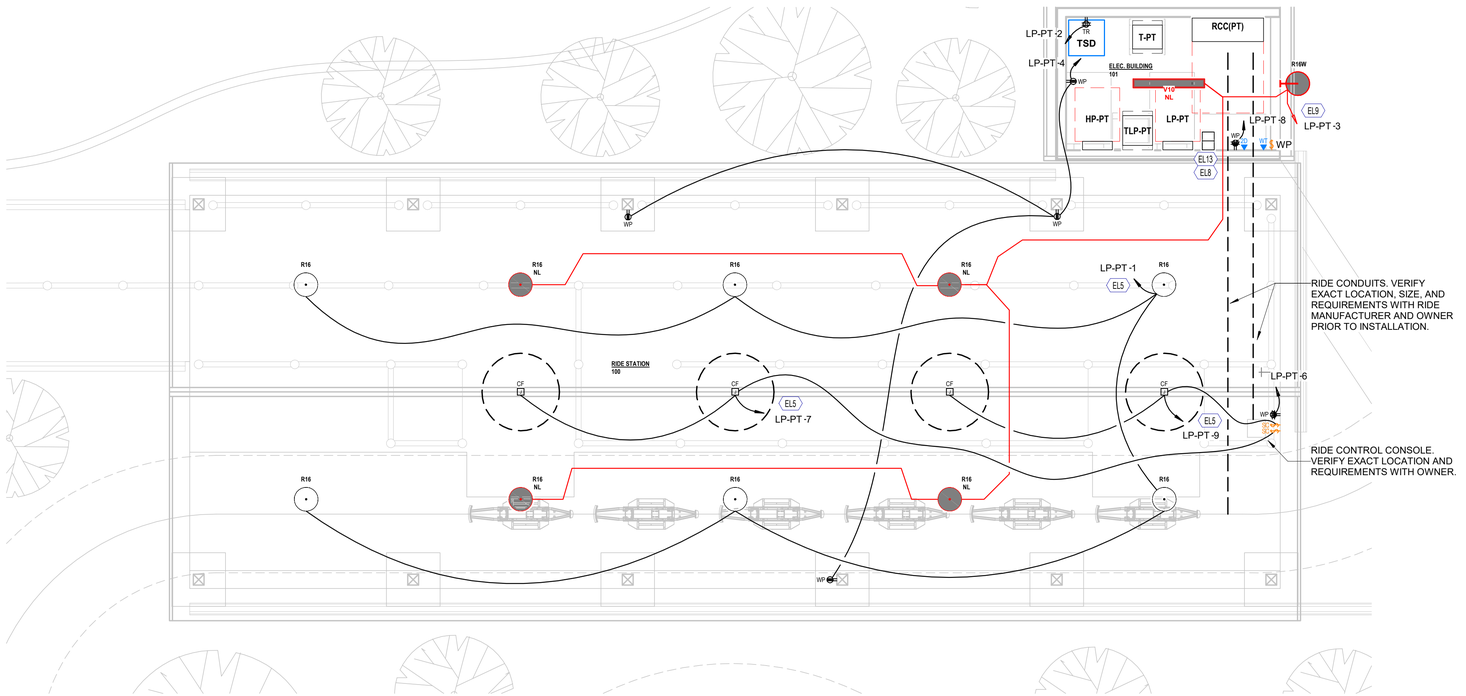
KEYNOTES

EL5 WIRE THROUGH INTERIOR LIGHTING CONTACTOR. VERIFY EXACT REQUIREMENTS WITH OWNER.

EL8 FURNISH AND INSTALL A 4 POLE LIGHTING CONTACTOR FOR EXTERIOR LIGHTING. REFER TO DETAIL 4/3-E-5.1. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.

EL9 PROVIDE MICRO INVERTER FOR EMERGENCY LIGHTING CIRCUIT. WIRE THROUGH INTERIOR LIGHTING CONTACTOR. VERIFY EXACT REQUIREMENTS WITH OWNER.

EL13 FURNISH AND INSTALL AN 8 POLE LIGHTING CONTACTOR FOR INTERIOR LIGHTING. REFER TO DETAIL 3/3-E-5.1. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER.



1 RIDE STATION ELECTRICAL PLAN - PONY TREK
3-E-1.2 1/4" = 1'-0"

SAMUEL H. BOHMAN
062-07877
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

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311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.621.6122

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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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RIDE STATION ELECTRICAL PLANS - PONY TREK

SFGM - PONY TREK

SHEET NO.
3-E-1.2

1" REFERENCE LINE

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Panelboard: HP-PT

Location:
Supply From:
Mounting: Wall Mounted
Enclosure: NEMA 3R

Volts: 480V Delta
Phases: 3
Wires: 3

A.I.C. Rating: 14,000
Mains Type: MCB
Panel & MCB Rating 100.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	T-PT		15	3	1666	2676					3	50		TLP-PT / LP-PT	2
3	--	--	--	--			1666	1674			--	--	--	--	4
5	--	--	--	--					1666	1430	--	--	--	--	6
7															8
9															10
11															12
13															14
15															16
17															18
19															20
21															22
23															24
25	Spare		20	3	0	0					3	20		Spare	26
27	--	--	--	--			0	0			--	--	--	--	28
29	--	--	--	--					0	0	--	--	--	--	30
			Total Load:		4342 VA		3340 VA		3096 VA						
			Total Amps:		15.8 A		12.2 A		11.2 A						

DESCRIPTION ABBREVIATION LEGEND:	DEVICE NOTES LEGEND:	Panel Totals	
L = LIGHTS	GFI = GFI BREAKER, IF UNAVAILABLE SUBSTITUTE WITH GFI RELAY MODULE		
R = RECEPTACLES	LOD = LOCK ON/OFF DEVICE	**Total Conn. Load:**	10777 VA
M = MECHANICAL EQUIPMENT	SPD = SURGE PROTECTION DEVICE	**Total Est. Demand:**	10777 VA
P = PLUMBING EQUIPMENT	BM = BRANCH CIRCUIT LEVEL METERING	**Total Conn. Current:**	13.0 A
		Total Est. Demand Current:	13.0 A

Notes:

Panelboard: LP-PT

Location:
Supply From: TLP-PT
Mounting: Wall Mounted
Enclosure: NEMA 3R

Volts: 208Y/120V
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Panel & MCB Rating 100.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A		B		C		Poles	Trip	Device Notes	Circuit Description	CKT
1	L - STATION		20	1	96	1200					1	20		R - TECH RACK	2
3	L - EM - STATION & ELEC BLDG	LOD	20	1			114	720			1	20		R - STATION & ELEC BLDG	4
5	L - SITE POLES		20	1					170	360	1	20		R - RIDE CONSOLE	6
7	CEILING FANS - STATION		20	1	720	360					1	20		R - WORK DESK	8
9	CEILING FANS - STATION		20	1			720	120			1	20		MAG LOCK GATE	10
11	SCENIC ELEMENT		20	1					600	300	1	20		INTERIOR LIGHTING CONTACTOR	12
13						300					1	20		EXTERIOR LIGHTING CONTACTOR	14
15															16
17															18
19															20
21															22
23	Spare		20	1					0						24
25	Spare		20	1	0	0					1	20		Spare	26
27	Spare		20	1			0	0			1	20		Spare	28
29	Spare		20	1					0	0	1	20		Spare	30
			Total Load:		2676 VA		1674 VA		1430 VA						
			Total Amps:		22.6 A		14.3 A		11.9 A						

DESCRIPTION ABBREVIATION LEGEND:	DEVICE NOTES LEGEND:	Panel Totals	
L = LIGHTS	GFI = GFI BREAKER, IF UNAVAILABLE SUBSTITUTE WITH GFI RELAY MODULE		
R = RECEPTACLES	LOD = LOCK ON/OFF DEVICE	**Total Conn. Load:**	5780 VA
M = MECHANICAL EQUIPMENT	SPD = SURGE PROTECTION DEVICE	**Total Est. Demand:**	5780 VA
P = PLUMBING EQUIPMENT	BM = BRANCH CIRCUIT LEVEL METERING	**Total Conn. Current:**	16.0 A
		Total Est. Demand Current:	16.0 A

Notes:

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

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311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

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8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
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PANEL SCHEDULES
SFGM - PONY TREK

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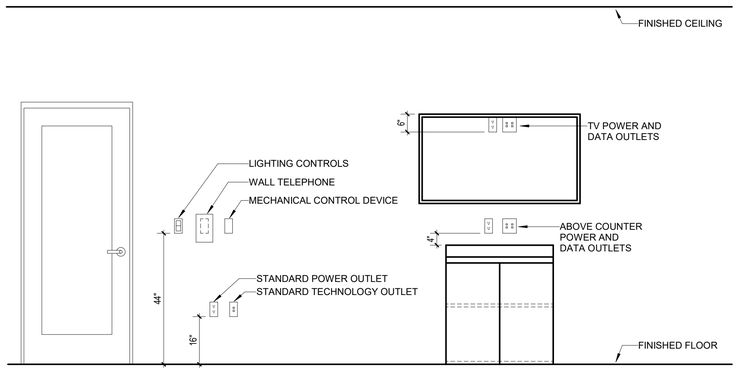
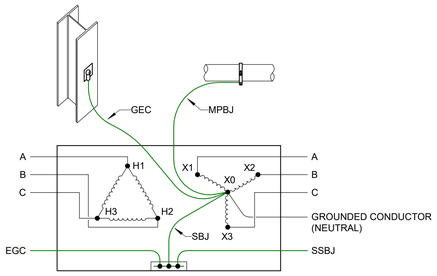


1 TYPICAL DEVICE MOUNTING LOCATION (PONY TREK)
3-E-5.0



TRANSFORMER GROUNDING NOTES:

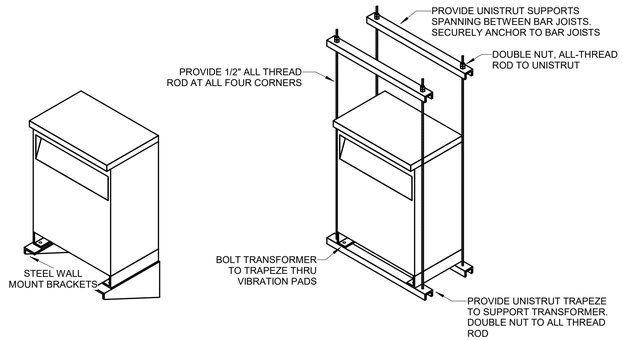
1. EQUIPMENT GROUNDING CONDUCTOR (EGC)
   REFER TO SINGLE LINE DIAGRAM FOR PRIMARY-SIDE FEEDER AND EGC SIZING.
2. GROUNDING ELECTRODE CONDUCTOR (GEC)
   CONNECT GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM TO NEAREST EFFECTIVELY GROUNDED BUILDING STEEL. INSTALL IN ACCORDANCE WITH NEC 250.64. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.
3. METAL PIPING BONDING JUMPER (MPBJ)
   CONNECT LOCAL METAL WATER PIPING TO GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM. INSTALL IN ACCORDANCE WITH NEC 250.104(D). CONDUCTOR SIZE SHALL BE EQUAL TO SBJ SIZE.
4. SYSTEM BONDING JUMPER (SBJ)
   CONNECT GROUNDED CONDUCTOR OF SEPARATELY DERIVED SYSTEM TO TRANSFORMER ENCLOSURE. INSTALL IN ACCORDANCE WITH NEC 250.30. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.
5. SUPPLY SIDE BONDING JUMPER (SSBJ)
   CONNECT TRANSFORMER ENCLOSURE TO THE ENCLOSURE OF THE SECONDARY-SIDE DISCONNECTING MEANS. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR SIZING.

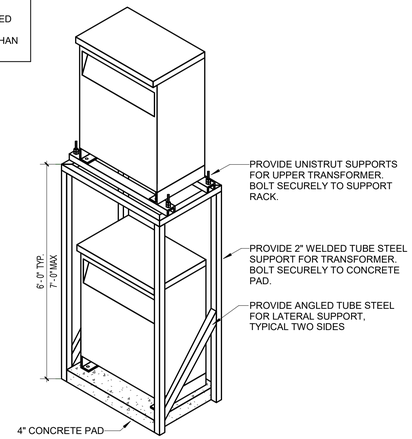
2 TRANSFORMER GROUNDING DETAIL (PONY TREK)
3-E-5.0

TRANSFORMER MOUNTING METHODS

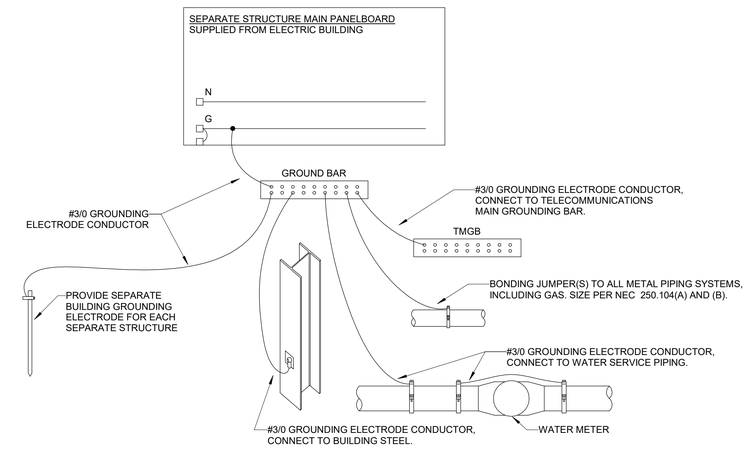
UNIT WEIGHT	CONSTRUCTION TYPE	FLOOR MOUNTING (CONCRETE PAD)	FLOOR-MOUNTED STEEL FRAME	MODIFIED TRAPEZE	WALL MOUNT BRACKETS IN CMU
LESS THAN 350LB	EXISTING CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PERMITTED (*B)
	NEW CONSTRUCTION	PERMITTED	PERMITTED	PERMITTED	PERMITTED (*B)
350LB OR MORE	EXISTING CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PROHIBITED
	NEW CONSTRUCTION	PERMITTED	PERMITTED	CASE-BY-CASE (*A)	PROHIBITED

GENERAL NOTES	* REFERENCE NOTES
1. TRANSFORMER UNIT WEIGHTS MUST BE VERIFIED BY THE ELECTRICAL AND STRUCTURAL ENGINEER PRIOR TO PURCHASE.	A. APPROVAL OF MODIFIED TRAPEZE MAY BE PERMITTED BY STRUCTURAL ENGINEER.
2. ALL TRANSFORMER SUSPENSION METHODS MUST BE COORDINATED WITH AND APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.	B. WALL MOUNT BRACKETS MUST BE SUPPLIED AND ENGINEERED BY THE TRANSFORMER MANUFACTURER. WALL MOUNT BRACKETS MAY NOT BE USED FOR ANY WALL TYPE OTHER THAN CMU BLOCK.





3 TRANSFORMER MOUNTING DETAIL (PONY TREK)
3-E-5.0



4 BUILDING GROUNDING (PONY TREK)
3-E-5.0

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL DETAILS

SFGM - PONY TREK

SHEET NO.
3-E-5.0

2025122.01

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1" REFERENCE LINE

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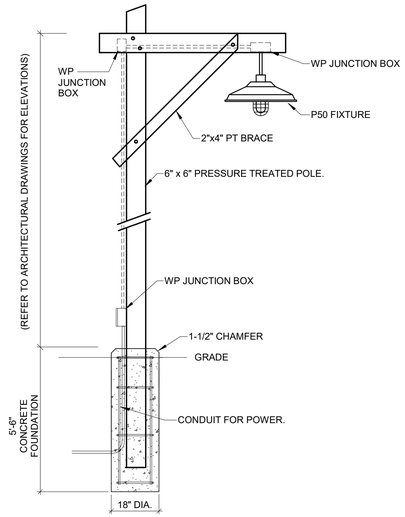
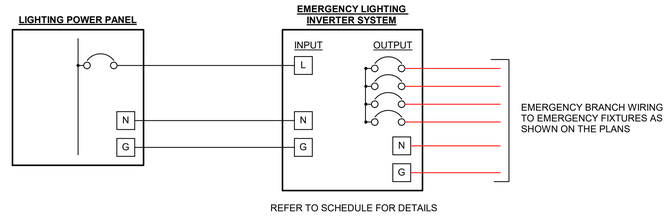
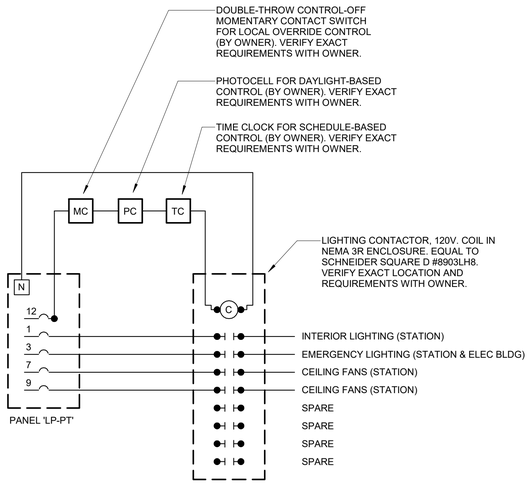


1 3-E-5.1 RLM POLE BASE DETAIL - PONY TREK

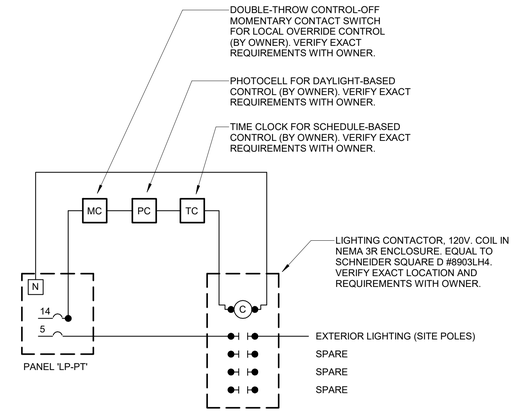
SPECIAL NOTE:
FIELD VERIFY FINAL MOUNTING LOCATIONS AND REQUIREMENTS WITH OWNER.



2 3-E-5.1 CONTROL DETAIL - EMERGENCY LIGHTING INVERTER SYSTEM (PONY TREK)



3 3-E-5.1 INTERIOR LIGHTING CONTACTOR DIAGRAM - PONY TREK



4 3-E-5.1 EXTERIOR LIGHTING CONTACTOR DIAGRAM - PONY TREK

SAMUEL H. BOHMAN 062-07877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL DETAILS

SFGM - PONY TREK

SHEET NO.
3-E-5.1

2025122.01

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1" REFERENCE LINE

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SINGLE LINE DIAGRAM SYMBOL LEGEND

GENERAL NOTES:

1. SYMBOLS IN THIS LEGEND MAY NOT ALL APPEAR IN THE DRAWINGS.
2. NOT ALL EQUIPMENT OPTIONS AND REQUIREMENTS ARE INDICATED ON THE SINGLE LINE DIAGRAM.
3. REFER TO DIV. 26 SPECIFICATION SECTIONS FOR DETAILED REQUIREMENTS FOR ELECTRICAL DISTRIBUTION INFRASTRUCTURE.
4. INFORMATION ABOUT EXISTING EQUIPMENT IS BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.
5. EXISTING FEEDER CONDUCTORS ARE ASSUMED TO BE COPPER.
6. ALL EQUIPMENT OUTSIDE OF "NEW WORK" SCOPE BOXES IS FOR REFERENCE ONLY.

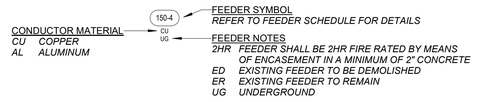
OPTIONS AND ABBREVIATIONS:

2N	200% NEUTRAL
FTL	FEED THRU LUGS
GF	GROUND FAULT PROTECTION
PLP	PHASE LOSS PROTECTION
SE	SERVICE ENTRY RATED
SM	INTEGRAL MAINS SUBMETERING
SPD	INTEGRAL SURGE PROTECTION DEVICE
ST	SHUNT TRIP MAIN BREAKER
UM	UTILITY METERING

GENERIC SYMBOLS

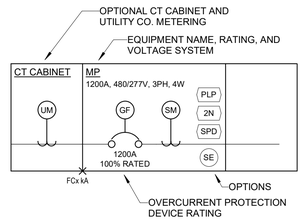
20A 1P	CIRCUIT BREAKER *TRIP RATING* *NUMBER OF POLES*	20A 1P	SWITCH *SWITCH RATING* *NUMBER OF POLES*
FCx kA	CALCULATED FAULT CURRENT POINT	20A	FUSE *TRIP RATING*
M	ELECTRICAL METER		EQUIPMENT GROUND
	ELECTRIC MOTOR	G	ELECTRIC GENERATOR

FEEDER SYMBOL

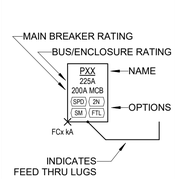


SPECIFIC EQUIPMENT

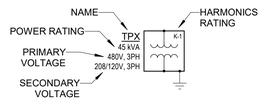
SWITCHBOARD / DISTRIBUTION PANELBOARD



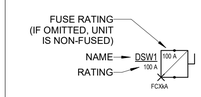
PANELBOARD



DISTRIBUTION TRANSFORMER



DISCONNECT SWITCH



ELECTRICAL SERVICE CALCULATIONS

ELECTRICAL DISTRIBUTION EQUIPMENT IS EXISTING TO REMAIN. PROJECT SCOPE IS LIMITED TO BRANCH CIRCUIT MODIFICATIONS. NO ADDITIONAL LOAD IS BEING ADDED TO THE EXISTING SERVICE.

RELOCATED CRAZY BUS	-20 kW
NEW LOADS	10.8 kW
CALCULATED NET LOAD:	**-9.2 W**

FEEDER SCHEDULE

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	EGC SIZE	CONDUIT SIZE
15-3	CU	1	3	#12	#12	3/4"
50-3	CU	1	3	#6	#10	3/4"

TRANSFORMER FEEDER AND GROUNDING SCHEDULE

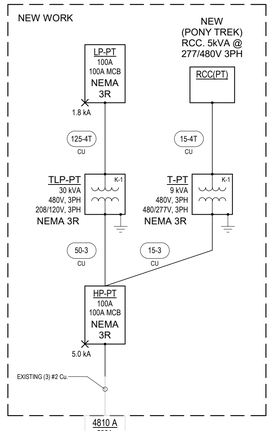
NOTES:

1. REFER TO TRANSFORMER GROUNDING DETAIL FOR ADDITIONAL INFORMATION.
2. SUPPLY SIDE BONDING JUMPER (SSBJ) SHALL BE PULLED IN EACH SET OF PARALLLEL CONDUITS.

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	SSBJ SIZE	CONDUIT SIZE	GEC SIZE	SBJ SIZE
15-4T	CU	1	4	#12	#10	3/4"	#10	#10
125-4T	CU	1	4	#1	#6	1 1/2"	#6	#6

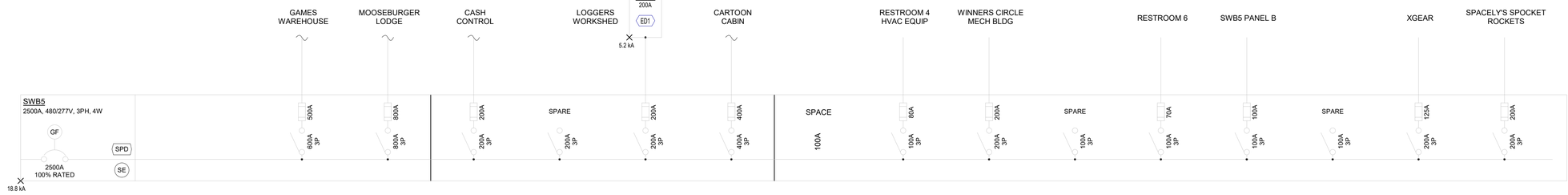
KEYNOTES

ED1 DISCONNECT AND REMOVE EXISTING 150A/3P CIRCUIT BREAKER AND REPLACE WITH NEW 100A/3P CIRCUIT BREAKER. MAINTAIN AND EXTEND WIRING AS NECESSARY FOR CONNECTION TO NEW EQUIPMENT. VERIFY EXACT REQUIREMENTS IN FIELD.



SPECIAL NOTES - SINGLE LINE DIAGRAM

A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE ARC FLASH STUDY WITH ALL AFFECTED AND NEW ELECTRICAL EQUIPMENT BEING LABELED. VERIFY EXACT REQUIREMENTS WITH OWNER.



1 SINGLE LINE DIAGRAM - PONY TREK
3-E-6.0

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
315 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.621.6122

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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Six Flags Entertainment Corporation

ELECTRICAL SINGLE LINE DIAGRAM
SFGM - PONY TREK

SHEET NO.
3-E-6.0

1" REFERENCE LINE

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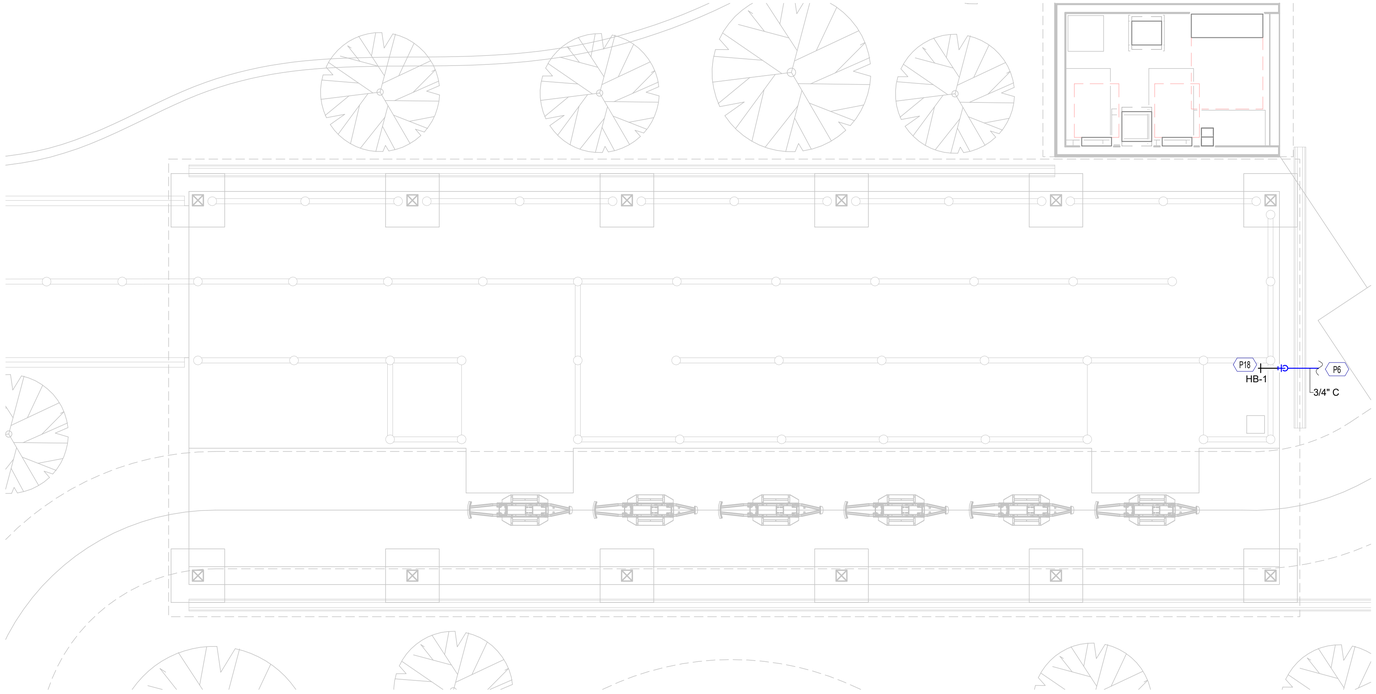
22-HYDRANT SCHEDULE				
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN		CONNECTION SIZE
		MANUFACTURER	MODEL	COLD WATER
HB-1	UTILITY HOSE BIBB	ZURN	Z1341-XL	<varies>

22-PLUMBING SHEET LIST - PACKAGE 3	
SHEET NUMBER	SHEET NAME
3-P-0.0	PLUMBING SCHEDULES, LEGENDS, AND PLANS

KEYNOTES

P6 EXTEND PIPING FIVE FEET OUTSIDE BUILDING/RIDE FOUNDATION AND PROVIDE FINAL CONNECTION TO SITE UTILITIES. REFER TO CIVIL PLANS FOR CONTINUATION.

P18 PROVIDE 3/4" COLD WATER CONNECTION TO SERVE HB-1. COORDINATE HB-1 LOCATION AND MOUNTING REQUIREMENTS WITH OWNER.



1 RIDE STATION PLUMBING PLAN - PONY TREK
3-P-0.0 1/4" = 1'-0"

GENERAL PLUMBING NOTES

A. "GENERAL NOTES" APPLY TO ALL P SERIES DRAWINGS ISSUED FOR THIS PROJECT. "DRAWING NOTES" APPLY ONLY TO THE SHEETS ON WHICH THEY APPEAR.

B. ALL WORK SHALL BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES AND OTHER AUTHORITIES HAVING JURISDICTION.

C. COORDINATE WITH WORK OF OTHER TRADES TO AVOID INTERFERENCES BEFORE BEGINNING WORK.

D. COORDINATE ALL COLUMN PAD ELEVATIONS, INTERIOR AND EXTERIOR FOUNDATION FOOTINGS WHICH REQUIRE PIPE SLEEVES OR LOWERING TO ACCOMODATE PLUMBING INVERTS PRIOR TO BEGINNING WORK.

E. IN GENERAL, THE P SERIES DRAWING FORMAT IS AS FOLLOWS: SANITARY WASTE PIPING IS LOCATED BELOW THE FLOOR WHEN SHOWN DASHED AND ABOVE THE FLOOR WHEN SHOWN SOLID. INVERT AND CENTERLINE ELEVATIONS AS WELL AS OTHER NOTED INFORMATION MAY BE PROVIDED FOR CLARIFICATION.

F. PLUMBING SCHEDULES IDENTIFY THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS.

SYMBOLS AND ABBREVIATIONS LEGEND
(THERE MAY BE SYMBOLS LISTED IN THIS LEGEND THAT ARE NOT USED IN THIS SET OF DRAWINGS)

PIPE TAG LEGEND

4" - C
PIPE SIZE (DIA.) — PIPE SYSTEM TYPE

ABBR	DESCRIPTION
C	DOMESTIC COLD WATER
S	SANITARY
V	VENT
ST	STORM PIPING
F	FIRE PROTECTION
CA	COMPRESSED AIR

BALL VALVE
BUTTERFLY VALVE
PLUG VALVE
CIRCUIT BALANCING VALVE
PIPE CONTINUES
FCO — FLOOR CLEANOUT
GCO — GRADE CLEANOUT
FD-# — FLOOR DRAIN
PIPE TURNING UP
PIPE TURNING DOWN
POC — POINT OF CONNECTION
? — KEYNOTE NOTE

1" REFERENCE LINE

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SAMUEL H. BOHMAN
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CINCINNATI, OHIO 45202 - 513.381.8112

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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
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www.rslarch.com

Six Flags Entertainment Corporation

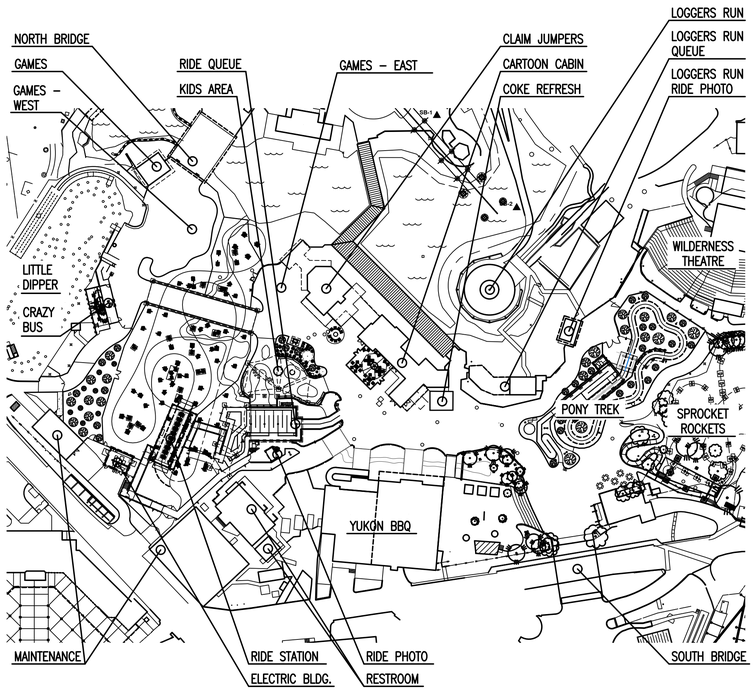
PLUMBING SCHEDULES, LEGENDS, AND PLANS

SFGM - PONY TREK

SHEET NO.
3-P-0.0

2025122.01

"Six Flags", "La Ronde", "Six Flags Great Adventure", "Six Flags Great America", "Six Flags Magic Mountain", "Six Flags New England", "Six Flags Over Georgia", "Six Flags Over Texas", "Six Flags St. Louis", "Six Flags Discovery Kingdom", "Six Flags Hurricane Harbor", "Six Flags White Water", "Six Flags Fiesta Texas", "Six Flags Hurricane Harbor Arlington", "Six Flags Hurricane Harbor Concord", "Six Flags Hurricane Harbor Los Angeles", "Six Flags Hurricane Harbor Oaxtepec", "Six Flags Hurricane Harbor Phoenix", "Six Flags Hurricane Harbor Rockford", "Six Flags Hurricane Harbor Splashtown", "Six Flags Hurricane Harbor Jackson", "Six Flags Hurricane Harbor Oklahoma", "Six Flags Hurricane Harbor Chicago", "Six Flags Hurricane Harbor Denver", "Six Flags Hurricane Harbor Las Vegas", "Six Flags Hurricane Harbor Tampa", "Six Flags Hurricane Harbor Atlanta", "Six Flags Hurricane Harbor Dallas", "Six Flags Hurricane Harbor Houston", "Six Flags Hurricane Harbor Miami", "Six Flags Hurricane Harbor New Orleans", "Six Flags Hurricane Harbor Orlando", "Six Flags Hurricane Harbor Seattle", "Six Flags Hurricane Harbor Washington DC", "Six Flags Hurricane Harbor Wisconsin", "Six Flags Hurricane Harbor Wisconsin Dells", "Six Flags Hurricane Harbor Wisconsin Rapids", "Six Flags Hurricane Harbor Wisconsin Stevens Point", "Six Flags Hurricane Harbor Wisconsin Wausau", "Six Flags Hurricane Harbor Wisconsin Wisconsin Rapids", "Six Flags Hurricane Harbor Wisconsin Wisconsin Dells", "Six Flags Hurricane Harbor Wisconsin Wisconsin Stevens Point", "Six Flags Hurricane Harbor Wisconsin



SITE PLAN

SCALE: NOT TO SCALE

NORTH

LOCATION PLAN

SCALE: NOT TO SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – CRAZY BUS**
PROJECT DESCRIPTION:	RELOCATION OF AN EXISTING RIDE ASSEMBLY TO A NEW RIDE PIT CONSTRUCTION. CONSTRUCTION OF A NEW ASSOCIATED QUEUE AND ENTRY PORTAL
LOCATION:	SIX FLAGS GREAT AMERICA, 1 GREAT AMERICA PARKWAY GURNEE, ILLINOIS 60031
BUILDING CODE:	2024 ILLINOIS ENERGY CONSERVATION CODE 2023 ILLINOIS STRETCH ENERGY CODE 2024 INTERNATIONAL BUILDING CODE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2015 INTERNATIONAL PLUMBING CODE
SPRINKLERED:	NON SPRINKLERED
PRIMARY USE CLASS:	A-3, ASSEMBLY
CONSTRUCTION TYPE:	V-B, COMBUSTIBLE, UNPROTECTED
ALLOWABLE BUILDING HEIGHT:	40 FEET
ACTUAL BUILDING HEIGHT:	9'-8" +/-
ALLOWABLE BUILDING STORIES:	1 STORY
ACTUAL BUILDING STORIES:	1 STORY
ALLOWABLE BUILDING AREA:	6,000 SF
ACTUAL BUILDING AREA:	1,194 SF
ACTUAL OCCUPANT LOAD:	ASSEMBLY – STANDING SPACE (5SF NET) RIDE QUEUE – 256 SF / 5SF (PER PERSON) = 52 OCC. RIDE ASSEMBLY – 18 OCCUPANTS MAXIMUM RIDE OPERATOR – 1 OCCUPANT TOTAL OCCUPANTS – 71 OCCUPANTS TOTAL

REQUIRED RESTROOMS: EXISTING ACCESSIBLE RESTROOMS ARE PROVIDED WITHIN 500 FEET PER SECTION 2902.3.3. REFER TO SHEET AC-1.0 FOR RESTROOM INFORMATION. THE EXISTING RESTROOMS ARE ON AN ACCESSIBLE ROUTE. NO ADDITIONAL OCCUPANTS ARE BEING ADDED TO THE FACILITY. EXISTING QUEUE AND SERVING AREAS ARE BEING MOVED INDOORS FOR BETTER SERVICE AND COMFORT. ADDITIONAL RESTROOM CAPACITY IS NOT REQUIRED.

DRAWING INDEX

CIVIL ENGINEERING

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	4-C-0.0	GENERAL NOTES AND SYMBOLS
06-05-26	4-C-0.1	EXISTING CONDITIONS PLAN
06-05-26	4-C-1.0	OVERALL SITE PLAN
06-05-26	4-C-1.1	ENLARGED SITE PLAN AND GRADING PLAN
06-05-26	4-C-2.0	DETAIL SHEET

STRUCTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	4-S-0.1	GENERAL NOTES
06-05-26	4-S-0.2	GENERAL NOTES
06-05-26	4-S-0.3	SPECIAL INSPECTIONS
06-05-26	4-S-1.1	SITE PLAN
06-05-26	4-S-1.2	FOUNDATION PLAN
06-05-26	4-S-1.3	ENLARGED FOUNDATION PLANS
06-05-26	4-S-1.4	ROOF FRAMING PLAN
06-05-26	4-S-2.0	TYPICAL FOUNDATION DETAILS AND SECTIONS
06-05-26	4-S-2.1	FOUNDATION DETAILS AND SECTIONS
06-05-26	4-S-2.2	FRAMING DETAILS AND SECTIONS

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	CVR	COVER SHEET
06-05-26	AC-1.0	SITE ACCESSIBILITY
06-05-26	A-0.1	GENERAL NOTES AND ABBREVIATIONS
06-05-26	A-1.0	SITE PLAN
06-05-26	A-1.1	ENLARGED SITE PLAN, AND PLANS
06-05-26	A-1.2	ENLARGED PIT PLAN
06-05-26	A-2.1	FENCE DETAILS
06-05-26	A-2.2	FENCE/GATE DETAILS AND RIDE SIGNAGE ELEVATION
06-05-26	A-3.1	BUILDING SECTIONS
06-05-26	A-3.2	ROOF SECTION DETAILS

ELECTRICAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	4-E-0.0	ELECTRICAL LEGENDS
06-05-26	4-E-0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
06-05-26	4-E-1.0	CRAZY BUS ELECTRICAL PLAN
06-05-26	4-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

PLUMBING

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	4-P-0.0	PLUMBING SCHEDULES, LEGENDS, AND PLANS

Six Flags GREAT AMERICA

SFGM - CRAZY BUS

ARCHITECT

RSL COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

www.rslarch.com
513-891-9950 PHONE
513-891-9951 FAX

CIVIL ENGINEER

IMEG

4850 Grand Avenue
Gurnee, IL 60031
(847) 336-7100

STRUCTURAL ENGINEER

Schaefer

537 Pete Rose Way, Suite 400
Cincinnati, OH 45202
(800) 542-3302

ELECTRICAL AND PLUMBING ENGINEER

SHP

311 Elm Street, Suite 600
Cincinnati, OH 45202
(513) 381-2112

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STEVEN LORSH
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

SFGM – CRAZY BUS #225093-4

LEGEND

PROPOSED	EXISTING	
		STORM MANHOLE
		STORM INLET
		STORM INLET
		STORM DOUBLE INLET
		FLARED END SECTION
		DOWNSPOUT
		SANITARY MANHOLE
		SANITARY/STORM CLEANOUT
		UNKNOWN MANHOLE
		WATER VALVE
		HYDRANT
		WELL
		SPRINKLER HEAD
		SPRINKLER BOX
		WATER METER
		WATER SERVICE
		POWER POLE
		POWER POLE W/ LIGHT
		POWER POLE W/ METER
		GUY WIRE
		GUY POLE
		ELECTRIC MANHOLE
		ELECTRIC PEDESTAL/TRANSFORMER
		ELECTRIC METER
		TELEPHONE POLE
		TELEPHONE MANHOLE
		TELEPHONE PEDESTAL
		CABLE TV PEDESTAL
		UTILITY MANHOLE
		UTILITY MARKER
		HANDHOLE
		GAS VALVE
		GAS METER
		AIR CONDITIONING UNIT
		LIGHT POLE
		VAPOR LIGHT
		LIGHT JUNCTION BOX
		TRAFFIC SIGNAL
		TRAFFIC CANTILEVER
		TRAFFIC SIGNAL CONTROLLER
		MAIL BOX
		SIGN
		FLAGPOLE
		POST/BOLLARD
		CONIFER TREE
		DECIDUOUS TREE
		BUSH/SHRUB
		TREE STUMP
		CONTROL POINT
		BENCHMARK
		SOIL BORING HOLE
		R.O.W. MARKER, FOUND
		RAILROAD SPIKE, FOUND
		REBAR, FOUND
		CHISELED "X" IN CONCRETE, FOUND
		CHISELED "X" IN CONCRETE, SET
		REBAR WITH CAP #_____, FOUND
		5/8" REBAR WITH CAP #35-_____, SET
		1/2" SQ. PIN, FOUND
		P.K. NAIL, FOUND
		P.K. NAIL, SET
		PIPE, FOUND
		CONCRETE MONUMENT, FOUND
		SECTION CORNER
		MEASURED DIMENSION
		RECORDED DIMENSION
		SPOT ELEVATION
		GRADE LABEL
		DRAINAGE SLOPE
		LINE CONTINUATION
		CUT & CAP WATER LINE

	SURVEY BOUNDARY
	PROPERTY LINE
	CENTERLINE
	HISTORICAL LINE - AS NOTED
	EASEMENT LINE
	SECTION LINE
	R.O.W. LINE
	SETBACK LINE
	FORCE MAIN
	SANITARY SEWER
	STORM SEWER
	PIPE UNDERDRAIN
W W	WATER LINE
OE OE	OVERHEAD ELECTRIC
E E	UNDERGROUND ELECTRIC
G G	GAS LINE
TV TV	TELEVISION LINE
T T	TELEPHONE LINE
FOC FOC	FIBER OPTIC CABLE
UT UT	UTILITY LINE
	EDGE OF WATER LINE/DITCH FLOWLINE
	CHAIN LINK FENCE
	WIRE FENCE
	WOOD FENCE
	SILT FENCE
	GUARD RAIL
100	CONTOUR
	TREE LINE
	TRACKS
	FLOOD PLAIN
	FLOODWAY
	CONSTRUCTION LIMITS
	TOPOGRAPHIC FEATURE AS NOTED
W W W W	ABANDONED WATER LINE

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RE-NOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.

2. THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT:

   A. STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE HIGHWAY STANDARDS.

   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.

   C. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO.

   D. THESE "GENERAL NOTES".

   E. ILLINOIS URBAN MANUAL

4. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND SECTION 107.14 OF THE HIGHWAY STANDARDS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

5. UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES. CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS. COORDINATE WITH OWNER IN REGARD TO ALL UTILITY LOCATES.

6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE IN HIS POSSESSION ALL REQUIRED PERMITS FOR THE CONSTRUCTION OF THIS PROJECT AS NECESSARY (E.G., ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, LAKE COUNTY HIGHWAY DEPARTMENT, RAILROADS, PUBLIC UTILITY COMPANIES, ETC.). THESE PERMITS WILL BE OBTAINED AS SPECIFIED IN THE "SPECIAL PROVISIONS".

7. ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY BITUMINOUS MATERIAL ON THAT STREET SEGMENT.

8. ALL PAVING OF BUTT JOINTS SHALL BE DONE AT THE SAME TIME AND SHALL BE DONE WITH A BITUMINOUS PAVING MACHINE.

9. THE CONTRACTOR SHALL PLACE WARNING SIGNS 48 HOURS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.

10. IF A PERIOD OF TEN CALENDAR DAYS ELAPSES AFTER THE PLACEMENT OF ANY BITUMINOUS COURSE, THE CONTRACTOR MAY BE REQUIRED TO PLACE ANOTHER PRIME COAT AT NO ADDITIONAL COST.

11. THE THICKNESS OF THE BITUMINOUS COURSES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE BITUMINOUS COURSE IS PLACED.

12. WHERE BITUMINOUS OVERLAYS ARE PLACED ON INTERSECTING STREETS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ALLOW A HOT JOINT BETWEEN THE TWO SURFACES; OR HE SHALL SAW CUT TO A MINIMUM DEPTH OF 1-1/2" TO PROVIDE A UNIFORM VERTICAL FACE AGAINST WHICH TO BUTT THE SUBSEQUENT SURFACE COURSE.

13. WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.

15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE. CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE

16. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT WILL BE ADJUSTED OR RECONSTRUCTED, SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE APPLICABLE UNIT PRICES.

17. THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. "DITCH CHECKS" AND/OR SILT FENCES, UNLESS OTHERWISE SPECIFIED, SHALL BE INSTALLED, IF NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

18. PLACEMENT OF TOPSOIL AND SEEDING OR SODDING SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

19. UTILITY SERVICES TO RESIDENTS OR BUSINESSES WHICH ARE INTERRUPTED BY CONSTRUCTION SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR SO THAT NO SERVICE IS INTERRUPTED FOR MORE THAN FOUR (4) HOURS. IF TEMPORARY SERVICE IS REQUIRED, THE EXPENSE FOR SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

20. THE EDGES OF ALL IMPROVED SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO RESTORATION. ANY SAW CUTTING OF PAVEMENT PATCHES, BUTT JOINTS, CONCRETE CURBS, SIDEWALKS, OR ANY OTHER AREAS NECESSARY TO COMPLETE THIS PROJECT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

21. MANHOLE RIM ELEVATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. THESE ELEVATIONS ARE FOR INFORMATION ONLY, AND FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATIONS

STORM SEWER

POLYVINYL CHLORIDE PIPE (PVC)

CONFORMING TO ASTM D-3034, TYPE PSM, FOR SIZES FOUR (4) THROUGH FIFTEEN (15) INCHES, AND ASTM F679 FOR SIZES EIGHTEEN (18) THROUGH THIRTY-SIX (36) INCHES, HAVING AN SDR OF 35, AND WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM D-3212 AND ASTM F-477.

CIVIL ENGINEER

IMEG CORPORATION
GURNEE OFFICE

HARLAN M. DOLAND
ILLINOIS LICENSED PROFESSIONAL ENGINEER
NO. 062-048891
EXPIRATION DATE 11/30/27

HARLAN M. DOLAND
PROFESSIONAL ENGINEER
062-048891
ILLINOIS

TYPICAL CONSTRUCTION SEQUENCING

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
   A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
   B.) SILT FENCE INSTALLATION
   C.) STABILIZED CONSTRUCTION ENTRANCE
2. TREE/BRUSH REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. BEGIN SITE DEMOLITION
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL AND STOCKPILE TOPSOIL
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND THE TOE OF SLOPE)
7. BEGIN GRADING SITE
8. INSTALL UTILITIES (STORM SEWER, SANITARY, WATERMAIN, ETC)
9. TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
10. BEGIN CONSTRUCTION OF BUILDINGS/PARKING LOT.
11. PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
12. REMOVE ALL TEMPORARY SE/SC MEASURES ONCE THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION.
13. RESTORE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY SE/SC MEASURES.

** CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO PERFORM SOIL AND EROSION CONTROL INSPECTIONS/MAINTENANCE ONCE EVERY SEVEN CALENDAR DAYS AND AFTER EVERY 1/2 INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL EVENT.

SOIL EROSION/SEDIMENT CONTROL NOTES

A. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE AN INSPECTOR, INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEAURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND THE HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DE-WATERING DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DE-WATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DE-WATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DE-WATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMER OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

SITE RESTORATION

ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AS FOLLOWS:

A) TOPSOIL PLACEMENT, 4", CONFORMING TO SECTION 211 OF THE HIGHWAY STANDARDS.
B) SEEDING, CLASS 1, CONFORMING TO SECTION 250 OF THE HIGHWAY STANDARDS.
C) MULCH, METHOD 2 OR 3, OR EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE HIGHWAY STANDARDS.

SCALE	NTS
DATE	06-05-2016
DRAWN	PJR
FILE	#225033-4

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

GENERAL NOTES AND SYMBOLS

SFGM - CRAZY BUS

SHEET NO.
4-C-0.0

#225033-4

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SCALE: 1" = 20'

20 10 0 20 40

PROFESSIONAL ENGINEER HARLAN M. SLONIM 062-048891 ILLINOIS

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SHEET NO. 4-C-0.1

EXISTING CONDITIONS PLAN

SFGM - CRAZY BUS

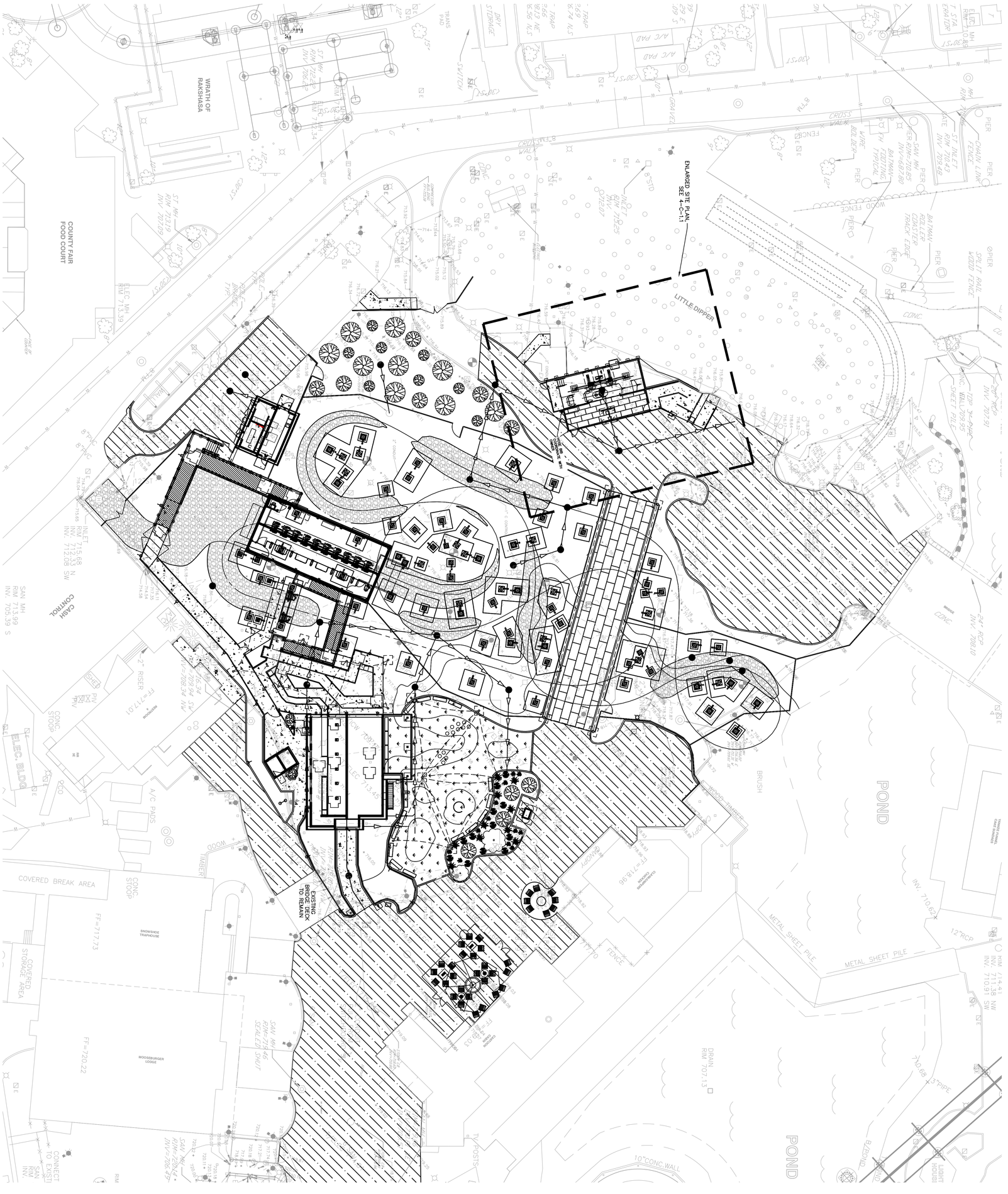
Six Flags Entertainment Corporation

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

REVISION	DESCRIPTION

SCALE	1"=20'
DATE	06-05-2026
DRAWN	PJR
FILE	#25093-4

#25093-4



SCALE: 1" = 20'

20 10 0 20 40

PROFESSIONAL ENGINEER HARJAN M DHILLON 062-048891

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SHEET NO. 4-C-1.0

OVERALL SITE PLAN

SFGM - CRAZY BUS

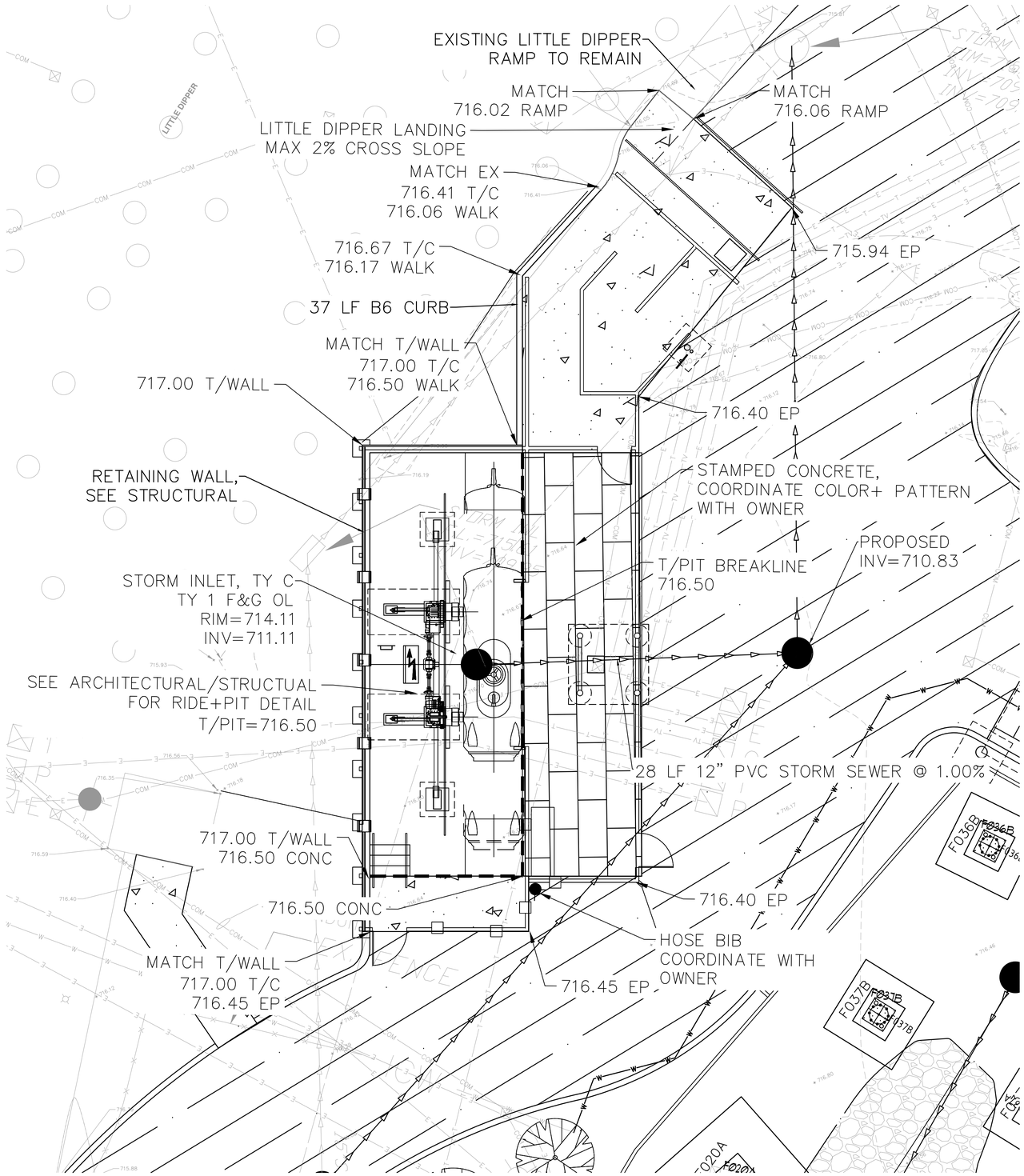
Six Flags Entertainment Corporation

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

REVISION	DESCRIPTION

SCALE	1"=20'
DATE	06-05-2026
DRAWN	PJR
FILE	#25093-4

#25093-4



5 2.5 0 5 10

SCALE: 1" = 5'

LEGEND

CONCRETE MIDWAY PAVEMENT

CONCRETE SIDEWALK

STAMPED CONCRETE SIDEWALK

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

SCALE	1"=5'
DATE	06-05-2016
DRAWN	PJR
FILE	#225093-4

REVISION	DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags
Entertainment Corporation

ENLARGED SITE AND GRADING PLAN

SFGM - CRAZY BUS

SHEET NO.
4-C-1.1

#225093-4

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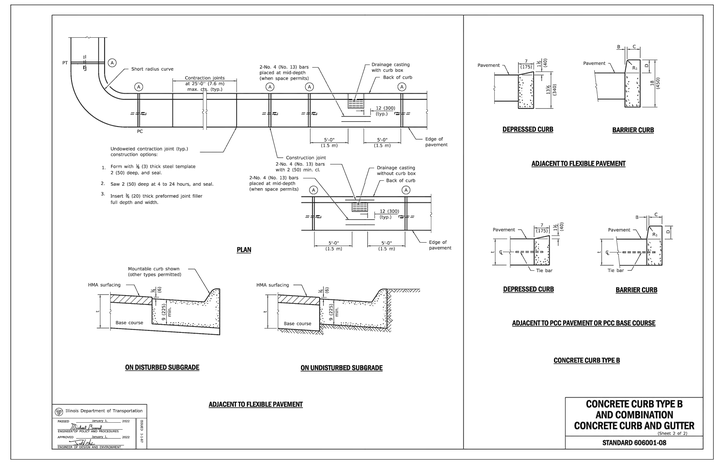


Illinois Department of Transportation

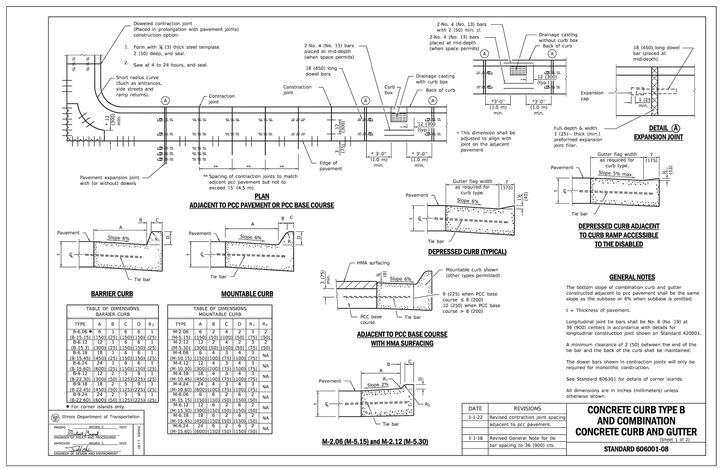
ENGINEER OF POLICY AND PROCEDURES — APPROVED — DATE

ENGINEER OF BUREAU OF ENVIRONMENT — APPROVED — DATE

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

Sheet 1 of 2

STANDARD 606001-08



BARRIER CURB

TABLE OF DIMENSIONS BARRIER CURB

TYPE	A	B	C	D	R_1
B-6.06 ■	6	2	6	6	1
(B-15.15)	(150)	(50)	(150)	(150)	(25)
B-6.12	12	2	6	6	1
(B-15.30)	(300)	(50)	(150)	(150)	(25)
B-6.18	18	2	6	6	1
(B-15.45)	(450)	(50)	(150)	(150)	(25)
B-6.24	24	2	6	6	1
(B-15.60)	(600)	(50)	(150)	(150)	(25)
B-6.30	30	2	6	6	1
(B-22.00)	(750)	(50)	(150)	(150)	(25)
B-8.18	18	2	7	7	1
(B-22.45)	(450)	(50)	(175)	(175)	(25)
B-8.24	24	2	7	7	1
(B-22.60)	(600)	(50)	(175)	(175)	(25)

■ For corner islands only.

MOUNTABLE CURB

TABLE OF DIMENSIONS MOUNTABLE CURB

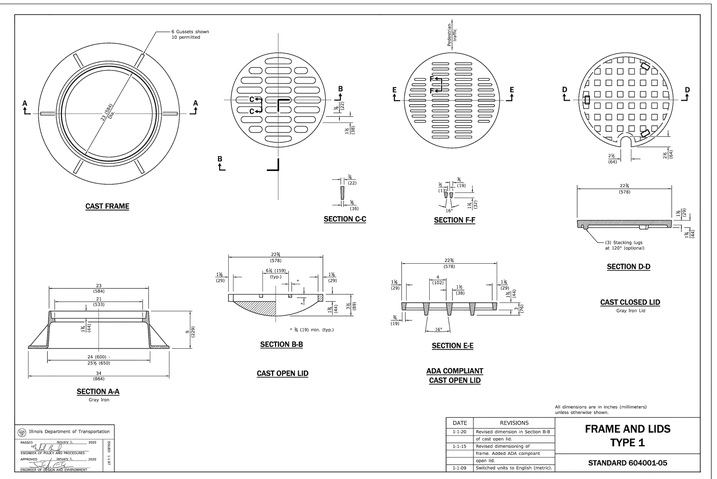
TYPE	A	B	C	D	R_1	R_2
M-2.06	6	2	6	7	3	2
(M-5.15)	(150)	(50)	(150)	(175)	(75)	(50)
M-2.12	12	2	6	7	3	2
(M-5.30)	(300)	(50)	(150)	(175)	(75)	(50)
M-6.06	6	2	6	7	1	NA
(M-15.15)	(150)	(50)	(150)	(175)	(25)	NA
M-6.12	12	2	6	7	1	NA
(M-15.30)	(300)	(50)	(150)	(175)	(25)	NA
M-6.18	18	2	6	7	1	NA
(M-15.45)	(450)	(50)	(150)	(175)	(25)	NA
M-6.24	24	2	6	7	1	NA
(M-15.60)	(600)	(50)	(150)	(175)	(25)	NA
M-8.18	18	2	7	8	2	NA
(M-22.45)	(450)	(50)	(175)	(200)	(50)	NA
M-8.24	24	2	7	8	2	NA
(M-22.60)	(600)	(50)	(175)	(200)	(50)	NA

DATE	REVISIONS
1-1-22	Revised contraction joint spacing adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar spacing to 36 (900) ctrs.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

Sheet 2 of 2

STANDARD 606001-08



Illinois Department of Transportation

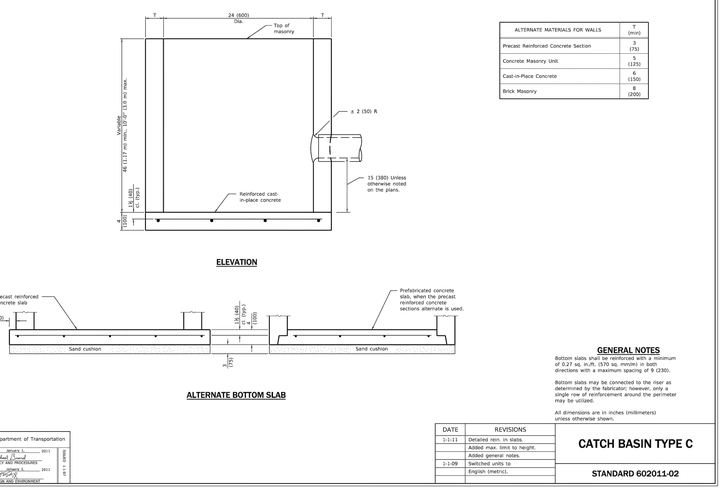
ENGINEER OF POLICY AND PROCEDURES — APPROVED — DATE

ENGINEER OF BUREAU OF ENVIRONMENT — APPROVED — DATE

FRAME AND LIDS TYPE 1

STANDARD 604001-05

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).



ALTERNATE MATERIALS FOR WALLS	T (mm)
Precast Reinforced Concrete Section	7 (175)
Concrete Masonry Unit	5 (125)
Cast-in-Place Concrete	6 (150)
Brick Masonry	8 (200)

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.27 sq. in./ft. (570 sq. mm/m) in both directions with a maximum spacing of 9 (230).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

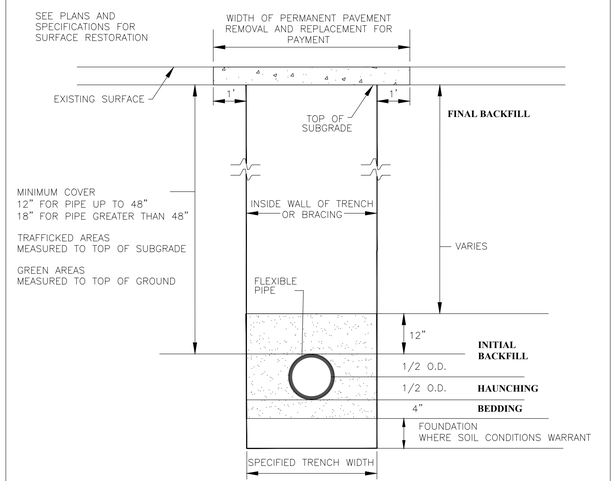
ENGINEER OF POLICY AND PROCEDURES — APPROVED — DATE

ENGINEER OF BUREAU OF ENVIRONMENT — APPROVED — DATE

CATCH BASIN TYPE C

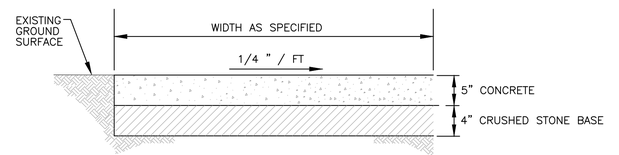
STANDARD 602011-02

DATE	REVISIONS
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.
1-1-09	Switched units to English (metric).



FLEXIBLE PIPE INSTALLATION DETAIL

STANDARD DRAWING NO.2



GENERAL NOTES:

1. At locations where sidewalk is constructed at ramps and/or driveway entrances, the P.C.C. Sidewalk Section shall be thickened to 7" for the width of the ramp and/or driveway. This work shall be considered as incidental, and no additional compensation will be allowed.
2. Placing, finishing and curing of P.C.C. Sidewalk shall conform to applicable Sections of Standard Specifications for Road and Bridge Construction.
3. Slab contraction (control) joints shall be as follows:
   For 4' Sidewalk Width = 5' O.C. Joint Spacing
   5' Sidewalk Width = 5' O.C. Joint Spacing
   8' Sidewalk Width = 6' O.C. Joint Spacing
4. Expansion joints shall consist of preformed joint filler or thickness as follows:
   1/2 " between sidewalk and structures, standards, poles
   3/4 " at sidewalk intervals of not more than 50 feet.
5. If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.
6. Concrete shall be IDOT Class SI

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

STANDARD DUTY CONCRETE PAVEMENT DETAIL

N.T.S

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SCALE NTS
DATE 06-05-2016
DRAWN PJR
FILE #250933-4

REVISION | DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

DETAIL SHEET

SFGM - CRAZY BUS

SHEET NO.
4-C-2.0

#250933-4

STRUCTURAL NOTES

COPIES OF PUBLICATIONS REFERENCED IN THESE GENERAL STRUCTURAL NOTES ARE AVAILABLE FOR REVIEW AT SCHAEFER. CONTRACTORS UNFAMILIAR WITH THESE PUBLICATIONS MUST REVIEW THEM PRIOR TO CONSTRUCTION.

GOVERNING CODE

2024 ILLINOIS BUILDING CODE (REFERENCES IBC 2024 & ASCE-7 2016)

DESIGN LOADS

1. ALL RIDE FOUNDATION DESIGN LOADS WERE SUPPLIED BY THE RIDE MANUFACTURER. THE FOUNDATION LOADS SUPPLIED CONSIDERED DEAD LOADS, LIVE LOADS, RIDE TRAIN LOADS INCLUDING CENTRIFUGAL FORCES AND BRAKING FORCES, WIND FORCES AND SEISMIC FORCES.

2. LOW-SLOPE WOOD FRAMED ROOF LOAD.

A. MINIMUM COMBINATION OF WIND LOAD, LIVE LOAD, RAIN LOAD, OR SNOW LOAD ($(P_f$ OR $P_m)$)	20	PSF*
C. ROOF SHEATHING	3	PSF
D. JOIST FRAMING WEIGHT	3	PSF
TOTAL LOAD ON TRUSSES	26	PSF MIN

*FLAT ROOF SNOW LOAD, P_f = 47 PSF
GROUND SNOW, P_g = 56 PSF
SNOW LOAD IMPORTANCE FACTOR, I_S = 1.0
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD THERMAL FACTOR, C_t = 1.2
MINIMUM SNOW LOAD, P_m = 47 PSF

3. WIND LOAD (PER ASCE 7):

A. BASIC DESIGN WIND SPEED, V= 107 MPH
B. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} = 83 MPH
C. RISK CATEGORY = II
D. WIND EXPOSURE = C (ALL WIND DIRECTIONS)
E. INTERNAL PRESSURE COEFFICIENT, GCpi = +0.18, -0.18
F. DESIGN PRESSURES FOR EXTERIOR COMPONENT AND CLADDING ITEMS NOT SPECIFICALLY DESIGNED BY THE ENGINEER OF RECORD: SEE TYPICAL COMPONENT AND CLADDING WIND PRESSURE TABLE.

4. SEISMIC LOAD

A. SEISMIC RISK CATEGORY	= II
B. SEISMIC IMPORTANCE FACTOR, I_e	= 1.0
C. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_S	= 0.13
D. MAPPED SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND, S_1	= 0.063
E. SITE CLASS	= D
F. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT SHORT PERIOD, S_{DS}	= 0.11
G. DESIGN SPECTRAL RESPONSE ACCELERATION FACTOR AT 1 SECOND PERIOD, S_{D1}	= 0.09
H. SEISMIC DESIGN CATEGORY	= B
I. BASIC SEISMIC FORCE RESISTING SYSTEM	= CANTILEVER WOOD COLUMNS
J. RESPONSE MODIFICATION COEFFICIENT, R	= 1.0
K. SEISMIC RESPONSE COEFFICIENT, CS	= 0.113
L. DESIGN BASE SHEAR	= 0.04 KIP
M. ANALYSIS PROCEDURE USED	= ELFP

5. SPECIAL LOADS:

A. HANDRAILS AND GUARDRAILS:
i. TOP RAIL: 200 POUND CONCENTRATED LOAD AT ANY POINT IN ANY DIRECTION OR 50 PLF UNIFORM LOAD APPLIED IN ANY DIRECTION.
ii. INTERMEDIATE RAILS, BALUSTERS, AND PANEL FILLERS: HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA NOT TO EXCEED 1 SQUARE FT., INCLUDING OPENINGS AND SPACE BETWEEN RAILS.

CONSTRUCTION AND SAFETY

1. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

2. ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.

3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.

4. ANCHOR RODS AND FOUNDATION DOWELS SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. SHOULD ANY DISCREPANCY BE FOUND, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF THE CONDITION.

6. CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY SOIL AND MATERIAL CONSULTANTS, INC., DATED DECEMBER 18TH 2025. THE GEOTECHNICAL ENGINEER'S REPORT IS AVAILABLE UPON REQUEST.

A. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.

2. ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.

3. CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.

4. FILL MATERIALS: ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER, INCLUDING THE SUITABILITY OF ALL EXCAVATED ON-SITE SOILS FOR RE-USE. MATERIAL SHALL NOT BE PLACED ON FROZEN GROUND.

A. CONTROLLED LOW STRENGTH MATERIAL (CLSM): SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL WITH AN UNCONFINED COMPRESSIVE STRENGTH BETWEEN 50 PSI AND 150 PSI.

B. WELL GRADED GRANULAR MATERIAL: WELL GRADED MIXTURE OF CRUSHED GRAVEL, CRUSHED STONE, AND SAND PER ASTM D294 WITH AT LEAST 95 PERCENT PASSING A 1 ½" SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE.

C. FREE DRAINING GRANULAR FILL: NARROWLY GRADED MIXTURE OF CRUSHED STONE PER ASTM D448 WITH COARSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NO MORE THAN 5 PERCENT PASSING A NO. 4 SIEVE.

D. IMPERVIOUS FILL: LEAN CLAYEY GRAVEL AND SAND MIXTURE CAPABLE OF COMPACTING TO A DENSE STATE.

5. FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION. ELEVATION AND BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR CLSM UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS

6. FROST DEPTH IS 48 INCHES BELOW GRADE. BOTTOM OF FOOTINGS, MAT FOUNDATIONS AND GRADE BEAMS THAT ARE NOT PART OF AN INSULATED FROST PROTECTED FOUNDATION SYSTEM AND ARE NOT WITHIN CONDITIONED SPACE MUST BE BELOW SPECIFIED MINIMUM FROST DEPTH AS MEASURED FROM EXTERIOR GRADE. MAINTAIN SPECIFIED T/FDN ELEVATIONS AND THICKEN FOOTING OR PLACE ON CLSM AS REQUIRED.

7. FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL

8. LATERAL SOIL PRESSURES: PER THE LATERAL PRESSURES BELOW ARE BASED ON THE PRESUMPTIVE VALUES IN TABLE 1806.2 IN THE IBC 2024. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE LISTED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. LATERAL EARTH PRESSURES INDICATED BELOW DO NOT INCLUDE HYDROSTATIC OR COMPACTION PRESSURES DURING BACKFILL OPERATIONS. WALLS SHALL HAVE ADEQUATE DRAINAGE TO PREVENT HYDROSTATIC PRESSURES. COMPACT USING HAND-OPERATED TAMPERS ONLY.

A. CANTILEVERED RETAINING WALLS (ACTIVE PRESSURE): 60 PCF EQUIVALENT FLUID PRESSURE, TRIANGULAR DISTRIBUTION + 100 PSF SURCHARGE, RECTANGULAR DISTRIBUTION.

9. BACKFILL AGAINST WALLS:

A. INTERIOR FACE OF SHALLOW FOUNDATIONS WALLS:
i. CLSM OR IMPERVIOUS FILL (COMPACTED IN 8" LIFTS TO 95% MODIFIED PROCTOR TEST (PER ASTM D-1557) MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT).

B. EXTERIOR FACE OF BASEMENT WALLS OR RETAINED SIDE OF CANTILEVERED RETAINING WALLS:
i. MINIMUM 3 FT WIDE ZONE OF FREE DRAINING GRANULAR FILL (COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 2% OPTIMUM MOISTURE CONTENT) UP TO WITHIN 24 INCHES OF THE FINISHED GRADE. TOP 24" OF BACKFILL SHALL BE COMPACTED CLAYEY MATERIAL. AT THE BOTTOM OF THE GRANULAR MATERIAL, PLACE A 4"] DIAMETER PERFORATED FOUNDATION DRAIN PIPE WITH POSITIVE DRAINAGE TO SUMP OR TO DAYLIGHT.

10. ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 95% STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN +/- 3% OPTIMUM MOISTURE CONTENT.

11. FILL BELOW SLABS:
i. SUBGRADE: PROOF ROLL TOP 12" OF SUBGRADE BELOW INTERIOR SLAB TO 95% MODIFIED PROCTOR TEST (PER ASTM D-1557) MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT. PRIOR TO PLACEMENT OF BASE COURSE.
ii. BASE COURSE: 4" OF [WELL GRADED GRANULAR MATERIAL BELOW FLOOR SLAB COMPACTED TO 95% MODIFIED PROCTOR TEST (PER ASTM D-1557) MAXIMUM DRY DENSITY AND WITHIN +/- 3% COMPACTED FREE DRAINING GRANULAR FILL CAPILLARY BREAK.

12. FILL AT UTILITY TRENCHES BELOW FOOTINGS, EXCAVATED PRIOR TO FOOTING CONSTRUCTION.

A. BACKFILL TRENCHES UNDER FOOTINGS AND WITHIN 18 INCHES OF BOTTOM OF FOOTINGS WITH CLSM TO THE BOTTOM OF FOOTING ELEVATION.

B. BACKFILL TRENCHES EXCAVATED UNDER FOOTINGS AND MORE THAN 18 INCHES BELOW BOTTOM OF FOOTINGS WITH CLSM OR OTHER FILL MATERIAL APPROVED BY GEOTECHNICAL ENGINEER.

13. FILL AT UTILITY TRENCHES BELOW FOOTINGS, EXCAVATED AFTER FOOTING CONSTRUCTION.

A. BACKFILL TRENCHES EXCAVATED UNDER EXISTING FOOTINGS WITH CLSM TO THE BOTTOM OF FOOTING ELEVATION.

14. SEAL UTILITY TRENCH AT THE EXTERIOR FOUNDATION WALL BY USING A COMPACTED IMPERVIOUS FILL OR CLSM TO CREATE A DAM TO PREVENT ENTRY OF WATER.

15. FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION

16. EXCAVATIONS:

A. EXCAVATIONS IN THE VICINITY OF EXISTING FOUNDATIONS SHALL BE PERMITTED WITHOUT ANY SPECIAL MEASURES AS LONG AS THE BOTTOM NEAR EDGE OF THE EXCAVATION IS ABOVE A LINE WITH SLOPE OF 2 HORIZONTAL TO 1 VERTICAL EXTENDING OUTWARD AND DOWNWARD FROM THE NEAREST BOTTOM CORNER OF THE EXISTING FOUNDATION.

17. UTILITY TRENCHES PARALLEL TO FOOTINGS AND WITH PIPES BELOW THE BOTTOM OF FOOTING ELEVATION MUST BE LOCATED SO THAT THE SLOPE BETWEEN THE PIPE INVERT ELEVATION AND THE NEAREST BOTTOM CORNER OF THE FOOTING IS A MINIMUM OF 2 HORIZONTAL TO 1 VERTICAL.

CAST-IN-PLACE CONCRETE:

1. CONCRETE MIXTURES: REFER TO CONCRETE MIXTURE REQUIREMENTS TABLE ON 4-S0.3 FOR CONCRETE MIX INFORMATION.

2. CONCRETE MATERIALS:

A. CEMENTITIOUS MATERIALS
i. PORTLAND CEMENT: ASTM C150, TYPE I OR TYPE II.
ii. BLENDED HYDRAULIC CEMENT: ASTM C595, TYPE IL, PORTLAND LIMESTONE CEMENT
iii. FLY ASH: ASTM C618, CLASS F OR C. FLY ASH SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS CONTENT BY MASS.
iv. GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989, GRADE 100 OR 120. COMBINATION SLAG AND FLY ASH SHALL NOT EXCEED 50% OF TOTAL CEMENTITIOUS CONTENT BY MASS.

B. AGGREGATES:
i. NORMAL WEIGHT AGGREGATES: ASTM C33, COARSE GRADED.

C. ADMIXTURES: ADMIXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.
i. WATER REDUCING ADMIXTURE: ASTM C494.
ii. PLASTICIZING ADMIXTURE: ASTM C1017.
iii. AIR ENTRAINING ADMIXTURE: ASTM C260.

D. WATER: ASTM C94 AND POTABLE

3. DETAILING REQUIREMENTS

A. FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).

B. CONTRACTION JOINTS IN SLABS ON GROUND SHALL NOT EXCEED A LENGTH TO WIDTH RATIO OF 1.5:1. SEE PLAN FOR MAXIMUM JOINT SPACING.

C. CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTRACTION JOINT LOCATION. SEE DRAWINGS FOR TYPICAL DETAILS.

D. PROVIDE 3/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.

E. PROVIDE CONTRACTION/CONSTRUCTION JOINTS IN CONCRETE WALLS AT A MAXIMUM SPACING OF TWICE THE HEIGHT OF THE WALL ABOVE THE TOP OF FOOTING. MAXIMUM JOINT SPACING SHALL NOT EXCEED 24 FT. CONTRACTION JOINTS SHALL HAVE A 1-1/2" DEEP BY 3/4" WIDE TAPERED REVEAL EACH SIDE OF THE WALL. AT CONTRACTION JOINTS, EVERY OTHER HORIZONTAL BAR SHALL BE CUT BACK 1-1/2" FROM THE CONTRACTION JOINT. CONSTRUCTION JOINTS SHALL BE FORMED SIMILAR TO CONTRACTION JOINTS. AT CONSTRUCTION JOINTS, ALL HORIZONTAL STEEL SHALL BE DISCONTINUOUS AND A DOWEL BAR OF SIZE AND SPACING TO MATCH THE HORIZONTAL REINFORCING SHALL BE EMBEDDED A MINIMUM OF 40 BAR DIAMETERS EACH SIDE OF THE CONSTRUCTION JOINT. SEE ARCHITECTURAL DRAWINGS FOR ARCHITECTURAL JOINT TREATMENT.

F. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE UNLESS EFFECTIVELY COATED TO PREVENT ALUMINUM-CONCRETE REACTION OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.

G. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER REQUIREMENTS. VAPOR BARRIER, WHERE REQUIRED, SHALL BE PLACED OVER GRANULAR BASE.

4. CONCRETE PLACEMENT

A. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL CONCRETE STRENGTH HAS REACHED 0.75 f'c AND A MINIMUM OF 7 DAYS.

B. ROUGHENED SURFACES, WHERE INDICATED, SHALL EITHER BE:
i. ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4" AND BE CLEAN AND FREE OF LAITANCE.:

5. PERFORMANCE

A. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1-90 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R-16 "GUIDE TO COLD WEATHER CONCRETING".

B. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305.1-14 "SPECIFICATION FOR HOT WEATHER CONCRETING" AND ACI 305R-10 "GUIDE TO HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND SPEED SHALL BE ENTERED INTO NOMOGRAPH FIGURE 4.2 IN ACI 305R-10 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.

C. TOLERANCES: CONFORM TO ACI 117-10

D. EXTERIOR SLAB FINISHING AND CURING:
i. FINISH: LIGHT BROOM FINISH
ii. CURING: UV RESISTANT ACRYLIC "CURE AND SEAL" LIQUID MEMBRANE FORMING CURING COMPOUND (ASTM C1315, TYPE 1, CLASS A).

E. FLOOR SLAB-ON-GRADE SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES PER ASTM E-1155 AND ACI 117-10 (Ff = FLOOR FLATNESS, Fl = FLOOR LEVELNESS):
i. SPECIFIED OVERALL VALUE Ff = 25, Fl = 20
ii. MINIMUM LOCAL VALUE Ff = 17, Fl = 15

6. SUBMITTALS:

A. CONSTRUCTION JOINT LAYOUT

B. CONCRETE MIX DESIGNS: CONCRETE MIX DESIGNS INCLUDING PRODUCT DATA FOR ALL CONSTITUENTS AND ADMIXTURES SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE STRUCTURAL ENGINEER FOR APPROVAL IN ACCORDANCE WITH ACI 301-16 FIELD TEST DATA OR TRIAL MIXTURES. SUBMITTAL DATA MUST INCLUDE FIELD TEST DATA FROM AT LEAST 10 TESTS OR A THREE POINT CURVE GENERATED USING TRIAL MIXTURES.

C. PRODUCT DATA FOR CURING MATERIALS

D. FLOOR FLATNESS AND LEVELNESS MEASUREMENT REPORTS INDICATING COMPLIANCE WITH SPECIFIED TOLERANCES.

7. QUALITY ASSURANCE

A. CONCRETE WORK AND TESTING, AS PERFORMED BY "QUALIFIED FIELD TESTING TECHNICIANS" AND "QUALIFIED LABORATORY TECHNICIANS", SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS ABOVE. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301-16 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.

CONCRETE REINFORCING:

1. MATERIALS

A. DEFORMED BARS: ASTM A615, GRADE 60.

B. WELDED WIRE REINFORCEMENT: ASTM A1064, FLAT SHEETS ONLY.

2. REINFORCING DEVELOPMENT AND LAP SPLICES (UNLESS OTHERWISE NOTED)

A. WELDED WIRE REINFORCEMENT: LAP WELDED WIRE REINFORCEMENT MINIMUM 1 FULL SPACE PLUS 2".

B. DEFORMED BAR DEVELOPMENT LENGTHS (Ld):
i. HORIZONTAL BARS #6 AND SMALLER WITH MORE THAN 12" OF CONCRETE BELOW — 57 BAR DIAMETERS
ii. HORIZONTAL BARS #6 AND SMALLER WITH LESS THAN 12" OF CONCRETE BELOW — 44 BAR DIAMETERS
iii. HORIZONTAL BARS #7 AND LARGER WITH MORE THAN 12" OF CONCRETE BELOW — 72 BAR DIAMETERS
iv. HORIZONTAL BARS #7 AND LARGER WITH LESS THAN 12" OF CONCRETE BELOW AND ALL OTHER BARS — 55 BAR DIAMETERS

C. DEFORMED BAR HOOKED DEVELOPMENT LENGTHS (Ldh): 22 BAR DIAMETERS

D. DEFORMED BAR LAP SPLICE LENGTHS (Ls):
i. HORIZONTAL BARS #6 AND SMALLER WITH MORE THAN 12" OF CONCRETE BELOW — 74 BAR DIAMETERS
ii. HORIZONTAL BARS #6 AND SMALLER WITH LESS THAN 12" OF CONCRETE BELOW — 57 BAR DIAMETERS
iii. HORIZONTAL BARS #7 AND LARGER WITH MORE THAN 12" OF CONCRETE BELOW — 93 BAR DIAMETERS
iv. HORIZONTAL BARS #7 AND LARGER WITH LESS THAN 12" OF CONCRETE BELOW AND ALL OTHER BARS — 72 BAR DIAMETERS

3. DETAILING REQUIREMENTS

A. AT SLAB AND WALL OPENING CORNERS AND REENTRANT CORNERS, PROVIDE (1) #5 BAR IN EACH FACE PARALLEL TO EACH EDGE EXTENDING A MINIMUM OF 2'-0" PAST EDGE OF OPENING. THIS STEEL MAY BE OMITTED IF TYPICAL WALL STEEL EXCEEDS THIS MINIMUM REQUIREMENT.

B. SEE PLAN FOR INTERIOR SLAB ON GROUND REINFORCEMENT. LOCATE REINFORCEMENT 2" CLEAR BELOW TOP OF SLAB.

4. PERFORMANCE

A. COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR PLACING AND SUPPORTING REINFORCEMENT.

B. REINFORCING BARS SHALL HAVE CLEAR COVER AS INDICATED ON THE DRAWINGS. WHERE NOT INDICATED, PROVIDE MINIMUM CLEAR COVER PER ACI-318.

C. REINFORCING BARS SHALL BE FREE OF DIRT AND FORM RELEASE AGENTS.

5. SUBMITTALS

A. SHOP DRAWINGS FOR REINFORCING STEEL (COMPLY WITH ACI SP-066):

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REFERENCE
Hn	HEADER MARK	SHEET 1
n	FOOTING MARK	SHEET 1
BPn	BASE PL MARK	SHEET 1
Pn	PEDESTAL MARK	SHEET 1
Kn	KEYNOTE MARK	SHEET 1
	STEP T/FTG	SHEET 1
	ELEVATION INDICATION	SHEET 1

ABBREVIATIONS

NAME	DESCRIPTION
AFF =	ABOVE FINISHED FLOOR ELEVATION
ARCH =	ARCHITECT
B/ =	BOTTOM OF
BLDG =	BUILDING
BOT =	BOTTOM
BRG =	BEARING
CFS =	COLD-FORMED STEEL
CJ =	CONTRACTION JOINT
CJP =	COMPLETE JOINT PENETRATION
CL =	CENTER LINE
CLR =	CLEAR
CLSM =	CONTROLLED LOW STRENGTH MATERIAL
CMU =	CONCRETE MASONRY UNIT
COL =	COLUMN
CONC =	CONCRETE
CONT =	CONTINUOUS
DEG or ° =	DEGREE
DIA or ø =	DIAMETER
EA =	EACH
EF =	EACH FACE
EL =	ELEVATION
EMB =	EMBEDMENT
EOD =	EDGE OF DECK
EOS =	EDGE OF SLAB
EQ =	EQUAL
EXIST =	EXISTING
EXP =	EXPANSION
FDN =	FOUNDATION
FS =	FAR SIDE
FTG =	FOOTING
GA =	GAGE
GALV =	GALVANIZED
GT =	GIRDER TRUSS
HORIZ =	HORIZONTAL
JST BRG =	JOIST BEARING
Ld =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
Ld-CMU =	TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN GROUTED CMU
Ldc =	COMPRESSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDH =	LONG DIMENSION HORIZONTAL
Ldh =	HOOKED BAR TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
LDV =	LONG DIMENSION VERTICAL
LLH =	LONG LEG HORIZONTAL
LLV =	LONG LEG VERTICAL
Ls =	LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
Ls-CMU =	LAP SPLICE LENGTH OF REINFORCING BAR IN GROUTED CMU
Lsc =	COMPRESSION LAP SPLICE LENGTH OF REINFORCING BAR IN CONCRETE
LSL =	LAMINATED STRAND LUMBER
LVL =	LAMINATED VENEER LUMBER
MCJ =	MASONRY CONTROL JOINT
MFR =	MANUFACTURER
NS =	NEAR SIDE
oc =	ON CENTER
OPNG =	OPENING
OPP =	OPPOSITE
P/T =	POST-TENSION
PAF =	POWER-ACTUATED FASTENER
PE =	PRE-ENGINEERED
PEMB =	PRE-ENGINEERED METAL BUILDING
PJP =	PARTIAL JOINT PENETRATION
PL =	PLATE
PSL =	PARALLEL STRAND LUMBER
PT =	PRESSURE TREATED
RD =	ROOF DRAIN
REINF =	REINFORCING
RTU =	ROOF TOP UNIT
SDS =	SELF DRILLING SCREWS
SIM =	SIMILAR
SL =	STEP LEDGE
SOMD =	SLAB ON METAL DECK
SPA =	SPACE or SPACES
SRD =	SECONDARY ROOF DRAIN
STIFF =	STIFFENER
STL =	STEEL
STW =	STEP TOP OF WALL
T/ =	TOP OF
UNO =	UNLESS NOTED OTHERWISE
VB =	VERTICAL BRACING
VERT =	VERTICAL
VIF =	VERIFY IN FIELD
w/ =	WITH
WP =	WORK POINT

JEFFREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Steven Schaefer Associates, Inc.
is a professional design firm
registered in Illinois #184.005633

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
schaefer

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Schaefer Project Number: 25-2047-A

SCALE VARIES
DATE 06-05-2016
DRAWN REH / TWL
FILE #225093-4

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

GENERAL NOTES
SFMM- CRAZY BUS

SHEET NO.
4-S0.1

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STRUCTURAL STEEL

1. MATERIALS (UNLESS NOTED OTHERWISE):
   A. PLATES AND BARS (THICKNESS ≤ 4 INCHES): ASTM A572, GRADE 50, Fy = 50 KSI
   B. PLATES AND BARS (THICKNESS > 4 INCHES): ASTM A36, Fy = 36 KSI
   C. HSS SHAPES: ASTM A500, GRADE C, Fy = 50 KSI
   D. BOLTS: ASTM F3125, GRADE A325-N, 3/4" DIAMETER (UNLESS NOTED OTHERWISE)
   E. ANCHOR RODS (TYPICAL): ASTM F1554, GRADE 36
   F. NON-SHRINK NON-METALLIC GROUT: CRD-C-621 AND ASTM C1107 FOR INTERIOR AND EXTERIOR APPLICATIONS, FLUID TYPE.
      i. LIMIT GYPSUM CONTENT TO 1.5% MAXIMUM AT EXTERIOR APPLICATIONS.
2. ALL DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR "DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION
3. FABRICATOR QUALIFICATIONS: STRUCTURAL STEEL FABRICATOR SHALL PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM, AND SHALL BE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.
4. SUBMITTALS
   A. STRUCTURAL STEEL SHOP DRAWINGS
   B. MISC. METAL SHOP DRAWINGS (STAIRS, RAILINGS AND LADDERS INCLUDING ATTACHMENT TO THE PRIMARY STRUCTURE), INCLUDING ANALYSIS DATA, SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
5. CONNECTIONS:
   A. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS D1.1:2010)
      i. HEADED STUD SHEAR CONNECTORS SHALL BE WELDED WITH AUTOMATICALLY TIMED STUD WELDING EQUIPMENT. FILLET WELDS ARE NOT PERMITTED.
6. PAINT AND PROTECTION:
   A. MEMBERS EXPOSED TO WEATHER IN FINISHED STRUCTURE, LOOSE LINTELS, AND RELIEVING ANGLES:
      i. HOT DIP GALVANIZE PER ASTM A123 AFTER FABRICATION. COATING WEIGHT PER PARAGRAPH 5.1 OF ASTM A123 AND A153. FABRICATE ASSEMBLIES PER ASTM A143, A384, AND A385. AFTER ERECTION, REPAIR DAMAGED AREAS AND WELDS MADE AFTER GALVANIZING IN ACCORDANCE WITH ASTM A780 WITH ORGANIC ZINC RICH PAINT COMPLYING WITH DOD-P-21035 OR MIL-P-26915, MULTIPLE COATS TO DRY FILM THICKNESS OF 4 MILS. FILL EXPOSED VENT AND DRAIN HOLES, NOT INDICATED AS WEEP HOLES, BY PLUGGING WITH ZINC SOLDER AND FILING OFF SMOOTH.
   B. MEMBERS ENCASED IN CONCRETE: PROVIDE 3" MINIMUM CONCRETE COVER FOR ALL STEEL BELOW GRADE.

WOOD - ROUGH CARPENTRY

1. WOOD FRAMING MATERIALS:
   A. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS): AWPA USE CATEGORY UC3B FOR ABOVE GROUND EXTERIOR FRAMING, AWPA USE CATEGORY UC4A FOR GROUND CONTACT:
      i. 2x4 AND DEEPER: NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
      ii. 4x4: NO. 1 GRADE OR BETTER PRESERVATIVE TREATED SOUTHERN PINE.
2. ANCHORS AND FASTENERS:
   A. BOLTS: ASTM A307, GRADE A (TYPICAL). FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153.
      i. PROVIDE STANDARD CUT WASHER BETWEEN BOTH HEAD AND NUT TO WOOD CONNECTION.
   B. NAILS: ASTM F1667. FOR EXTERIOR APPLICATIONS, PRESERVATIVE TREATED OR FIRE RETARDANT TREATED MATERIALS, HOT DIP GALVANIZE PER ASTM F2329 OR ASTM A 153
3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE MADE PER TABLE 2304.10.1 "FASTENING SCHEDULE", IN REFERENCED BUILDING CODE.
4. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL, AND ARE BASED ON THEIR CATALOG PUBLISHED CAPACITIES. ALL CONNECTORS SHALL BE INSTALLED USING THE MAXIMUM NAILING SPECIFIED AND PROPER NAIL SIZE UNLESS NOTED OTHERWISE.
   A. EXTERIOR APPLICATIONS OR PRESERVATIVE TREATED, MATERIALS: ZMAX (G185), OR HOT DIPPED GALVANIZED, OR STAINLESS STEEL TYPE 304 OR TYPE 316 WHERE INDICATED. G60 AND G90 COATED PRODUCTS ARE NOT PERMITTED. ONLY USE GALVANIZED FASTENERS WITH ZMAX AND HOT DIP GALVANIZED CONNECTORS. ONLY USE STAINLESS STEEL FASTENERS WITH STAINLESS STEEL CONNECTORS.
5. FOR ROOF FRAMING, INSTALL ONE SIMPSON 2.5A HURRICANE TIE AT EACH MEMBER AT EACH BEARING LOCATION IN ADDITION TO THE TYPICAL NAILING REQUIREMENT IN THE "FASTENING SCHEDULE".

WOOD - SHEATHING

1. MATERIALS:
   A. ROOF SHEATHING (TYPICAL): 19/32" APA SPAN RATING 40/20 ROOF SHEATHING, EXPOSURE 1 CLASSIFICATION.
2. SHEATHING INSTALLATION:
   A. NAIL SHEATHING TO WOOD FRAMING WITH 0.131" DIA, 3" LG NAILS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING.
   B. SHEATHING AT ROOF FRAMING: INSTALL PANEL CLIP THAT CREATES AN 1/8" SPACE BETWEEN SHEATHING PANELS AT MIDSPAN OF EACH TRUSS/RAFTER SPACE ALONG UNSUPPORTED SHEATHING EDGES.

POST INSTALLED ANCHORS

1. INSTALLATION: INSTALL ANCHORS PER EVALUATION REPORT AND MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
2. CONNECTIONS TO EXISTING REINFORCED CONCRETE OR MASONRY: PRIOR TO DRILLING, VERIFY LOCATIONS OF EXISTING REINFORCING BARS USING A REBAR DETECTOR. NOTIFY ENGINEER PRIOR TO INSTALLATION IF ANCHOR LOCATIONS CONFLICT WITH EXISTING REINFORCING BARS. DO NOT DRILL THROUGH REINFORCING BARS.
3. TESTING AND INSPECTION: REFER TO EVALUATION REPORTS FOR ADDITIONAL TESTING AND INSPECTION REQUIREMENTS.
4. SUBSTITUTIONS: SUBSTITUTIONS COMPLYING WITH SPECIFIED ACCEPTANCE CRITERIA MAY BE CONSIDERED. SUBMIT EVALUATION REPORT DEMONSTRATING COMPLIANCE WITH GOVERNING CODE AND SPECIFIED ACCEPTANCE CRITERIA PRIOR TO INSTALLATION.
5. ADHESIVE ANCHORS:
   A. ANCHOR RODS: HILTI "HAS-V-36" ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE. SIZE AND EMBEDMENT AS INDICATED ON DRAWINGS.
   B. ADHESIVE IN CONCRETE: HILTI "HIT-RE 500 V3" EPOXY (EVALUATION REPORT: ICC-ES ESR-3814). SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC308 AND ACI 355.4 FOR USE IN CRACKED CONCRETE MAY BE CONSIDERED.
   C. VERIFY THAT THE SHELF LIFE OF THE ADHESIVE HAS NOT BEEN EXCEEDED ON THE DATE OF INSTALLATION.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED BY SECTION 1704 OF THE REFERENCED BUILDING CODE. THE INTENT OF SPECIAL INSPECTIONS IS TO VERIFY THE COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND/OR PLACEMENT OF COMPONENTS WITH THE COMPLETED SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. IT IS THE RESPONSIBILITY OF ALL PARTIES INVOLVED TO BECOME FAMILIAR WITH THE SPECIAL INSPECTION REQUIREMENTS SET FORTH IN CHAPTER 17 OF THE REFERENCED BUILDING CODE. SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER OR THE OWNER'S AGENT AND SHALL NOT BE CONSIDERED IN THE SCOPE OF WORK OF THE CONTRACTOR.

THE FOLLOWING SCHEDULE OF SPECIAL INSPECTIONS FOR STRUCTURAL WORK HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 106.1 AND 1704 OF THE REFERENCED BUILDING CODE. SEE OTHERS FOR SPECIAL INSPECTION REQUIREMENTS FOR NON-STRUCTURAL WORK. THE SPECIAL INSPECTOR(S) SHALL COORDINATE WITH THE OWNER, CONTRACTORS, AND DESIGN PROFESSIONALS AND SCHEDULE ALL INSPECTIONS ACCORDINGLY.

JEFFEREY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

Steven Schaefer Associates, Inc.
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registered in Illinois #184.005633

STRUCTURAL ENGINEERS
800.542.3302
schaefer-inc.com
schaefer

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Schaefer Project Number: 25-2047-A

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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

GENERAL NOTES

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SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.6 SOILS

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Cont.	Periodic	N/A		
1. Bearing Materials	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		X		Testing Agency Under supervision of Licensed Geotechnical...	
2. Excavations	Verify excavations are extended to proper depth and have reached proper material		X		Testing Agency Under supervision of Licensed Geotechnical...	
3. Fill Classification	Perform classification and testing of compacted fill materials		X		Testing Agency Under supervision of Licensed Geotechnical...	
4. Placement and Fill Compaction	During fill placement, verify use of proper materials and procedure in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill	X			Testing Agency Under supervision of Licensed Geotechnical Engineer	
5. Subgrade	Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly		X		Testing Agency Under supervision of Licensed Geotechnical...	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.3 CONCRETE CONSTRUCTION

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Cont.	Periodic	N/A		
In-Plant Special Inspections (Precast Concrete)	Fabrication and implementation procedures: In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.			X	As Noted Below	Special inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2.5.1. Fabricator is required to submit documentation/certification that the...
1. Reinforcing steel	a. Mild Reinforcing Steel: Inspect size, spacing, cover, positioning and grade of reinforcing steel: Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Verify welded wire fabric is supported per construction documents. Reference ACI 318: 20, 25.2, 25.3, 26.6-1-26.6-3, and IBC 1908.4.		X		Testing Agency	
	b. Prestress Steel: Inspect size, spacing, cover, and position of prestressing tendons:			X	Testing Agency	
2. Welding of Reinforcing Steel	a. Verify weldability of reinforcing bars other than ASTM A706. Reference ACI 318: 26.6.4 and AWS D1.4			X	Testing Agency	
	b. Inspect single pass fillet welds, maximum 5/16"			X	Testing Agency AWS - Certified...	
	c. Inspect all other welds			X	Testing Agency AWS - Certified...	
3. Cast in Place Anchor Rods	Inspect size, position and embedment of cast in place bolts and anchor rods. Inspect concrete placement and consolidation around anchors. Reference ACI 318: 17.8.2		X		Testing Agency	
4. Post Installed Anchors (Anchors installed in Hardened Concrete)	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2.4	X			Testing Agency	Reference evaluation report (identified in project general notes) for additional inspection scope required by manufacturer.
	b. Mechanical anchors and adhesive anchors not defined in 4.a. Inspect type and size of anchor, concrete type and compressive strength, hole cleaning procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2		X		Testing Agency	
5. Mix Design	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		X		Testing Agency	
6. Sampling and Testing of Concrete	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests as required by construction documents, and determine the temperature of concrete. Reference ASTM C 172, ASTM C31, ACI 318, 26.4.3, 26.4.4	X			Testing Agency	
7. Concrete and Shotcrete Placement	Inspect concrete and shotcrete placement for proper application techniques. Reference ACI 318: 26.5 and IBC 1908.6, 1908.7, and 1908.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	X			Testing Agency	
8. Curing and Protection	Inspect for maintenance of specified curing temperature and techniques. Inspect cold weather and hot weather protection procedures as applicable. Reference ACI 318: 26.5.3-26.5.5		X		Testing Agency	
9. Prestressed (Post-tensioned) Concrete	a. Application of Prestressing Forces: Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations. Reference ACI 318: 26.10.2			X	Testing Agency	
	b. Grouting of Bonded Prestressing Tendons in the Seismic-Force Resisting System: Reference ACI 318: 26.10.1			X	Testing Agency	
10. Precast Concrete Erection	Inspect erection of precast concrete including member configuration, connections, welding and grouting. Reference ACI 318: Ch 26.9			X	Testing Agency	
11. Precast Concrete Diaphragms	For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for: (a) installation of the embedded parts			X	Testing Agency	
	(b) Completion of the continuity of reinforcement across joints.			X	Testing Agency	
	(c) Completion of connections in the field.			X	Testing Agency	
12. Precast Concrete...	Inspect erection tolerances of precast concrete diaphragm connections for compliance with ACI 550.5			X		
13. Verification of In-Situ Concrete Strength	Verify concrete strength prior to the removal of shores and forms from beams and structural slabs and prior to the stressing of tendons in post-tensioned concrete. Reference ACI 318: 26.10.2 & 26.11.11.2		X		Testing Agency	
14. Formwork Geometry	Inspect formwork for shape, location and dimensions of the concrete member being formed. Reference ACI 318: 26.11		X		Testing Agency	

SCHEDULE OF SPECIAL INSPECTION SERVICES - 1705.2.1 STRUCTURAL STEEL

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Observe	Perform	N/A		
In-Plant Special Inspections	Fabrication and implementation procedures: In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.	X		X	As Noted Below	Special inspections on the premises of the fabricators shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2. Fabricator is required to submit documentation/certification that they a...
1. Fabricator and erector documents	Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents		X		Schaefer Submittal Review	
2. Material verification of structural steel	Verify material in shop and field inspection		X		Testing Agency	
3. Embedments	Verify diameter, grade, type, length, embedment. See Table 1705.3 for anchors		X		Testing Agency	
4. Verify compliance with construction documents	Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents		X		Testing Agency	
5.4-1. Visual Welding Inspection - Inspection Tasks Before Welding:	1. Welder qualifications records and continuity records.		X		Testing Agency AWS - Certified Welding Inspector	
	2. Welding procedure specifications (WPS) available		X			
	3. Manufacturer certifications for welding consumables available.		X			
	4. Material Identification (type/grade)	X				
	5. Welder identification system (The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.)	X				
	6. Fit up of Groove Welds (Including Joint Geometry): Inspection shall include Joint preparation, Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location), Backing type and fit (if applicable)	X				
	7. Fit up of CJP Groove Welds of HSS T-, K-, Y-, and K-joints (Including Joint Geometry): Inspection shall include Joint preparation, Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location), Backing type and fit (if applicable)			X		
	8. Configuration and finish of access holes	X				
	9. Fit-up of Fillet Welds: Inspection shall include: Dimensions (alignment, root opening, roof face, and bevel), Cleanliness (condition of steel surfaces), Tacking (tack weld quality and location)	X				
	10. Check welding equipment.	X				
5.4-2. Visual Welding Inspection - Inspection Tasks During Welding:	1. Control and Handling of Welding Consumables: Packaging and Exposure control)	X			Testing Agency AWS - Certified Welding Inspector	
	2. No welding over cracked tack welds.	X				
	3. Environmental Conditions: Wind speed within limits, and Precipitation and temperature.	X				
	4. WPS Followed: Observe Settings on welding equipment, Travel speed, Selected welding materials, Shielding gas type/flow rate, Preheat applied, Interpass temperature maintained (min and max), and Proper position (F,V,F,OH)	X				
	5. Welding Techniques: Interpass and final cleaning, Each pass within profile limitations, Each pass meets quality requirements.	X				
	6. Placement and installation of steel headed stud anchors.		X			
5.4-3. Visual Welding Inspection - Inspection Tasks After Welding	1. Welds Cleaned:	X			Testing Agency AWS - Certified Welding Inspector	
	2. Size, Length, and Location of Welds:		X			
	3. Welds meet visual acceptance criteria: Crack prohibition, Weld/base-metal fusion, Crater cross section, Weld profiles, Weld size, Undercut, Porosity.		X			
	4. Arc strikes:		X			
	5. k-area		X			
	6. Weld access holes in rolled heavy shapes and built-up heavy shapes					
	7. Backing Removed and weld tabs removal (if required):		X			
	8. Repair Activities:		X			
	Document acceptance or rejection of welded joint or member		X			
	No prohibited welds have been added without the approval of the EOR	X				
5.5 Non-destructive Testing of Welds	b. CJP Groove Welds: Ultrasonic testing shall be performed on 100 percent of CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 in thick or greater. Ultrasonic testing in materials less than 5/16 in thick is not required. Reduction of Rate of Ultrasonic Testing is permitted if the conditions of AISC 360-16 Appendix N.5.e are met.			X	Testing Agency AWS - Certified Welding Inspector	Perform NDT for both in field and shop welds.
	c. Weld Joints Subjected to Fatigue: Welded joints requiring weld soundness to be established by Radiographic or Ultrasonic Inspections. Reduction rate is prohibited.			X		Perform NDT for both in field and shop welds.
5.6-1. Inspection of Bolting: Inspection Tasks Prior to Bolting	1. Manufacturer's certifications available for fastener materials.			X	Testing Agency	
	2. Fasteners marked in accordance with ASTM requirements			X	Testing Agency	
	3. Proper fasteners selected for the joint detail (grade, type, and bolt length if threads are excluded from shear plane).			X	Testing Agency	
	4. Proper bolting procedure selected for joint detail.			X	Testing Agency	
	5. Connecting elements: Verify elements are fabricated properly, including the appropriate faying surface condition and hole preparation, if specified, meets the applicable requirements			X	Testing Agency	
	6. Pre-installation verification testing conducted for fastener assemblies and methods used			X	Testing Agency	
	7. Proper storage provided for bolts, nuts, washers, and other fastener components			X	Testing Agency	
5.6-2. Inspection of Bolting: Inspection Tasks During Bolting	1. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are properly positioned			X	Testing Agency	
	2. Joint brought to the snug tight condition prior to the pretensioning...			X	Testing Agency	
	3. Fastener component not turned by the wrench prevented from...			X	Testing Agency	
	4. Bolts are pretensioned in accordance with the RCSC specification, progressing systematically from most rigid point toward free edges			X	Testing Agency	
5.6-3. Inspection of Bolting: Inspection...	1. Document accepted and rejected connections:			X	Testing Agency	

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Schaefer Project Number: 25-2047-A

SCALE VARIES
DATE 06-05-2016
DRAWN REH / TWL
FILE #225093-4

REVISION | DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
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Six Flags Entertainment Corporation

SPECIAL INSPECTIONS
SFMM- CRAZY BUS

SHEET NO.
4-S0.3

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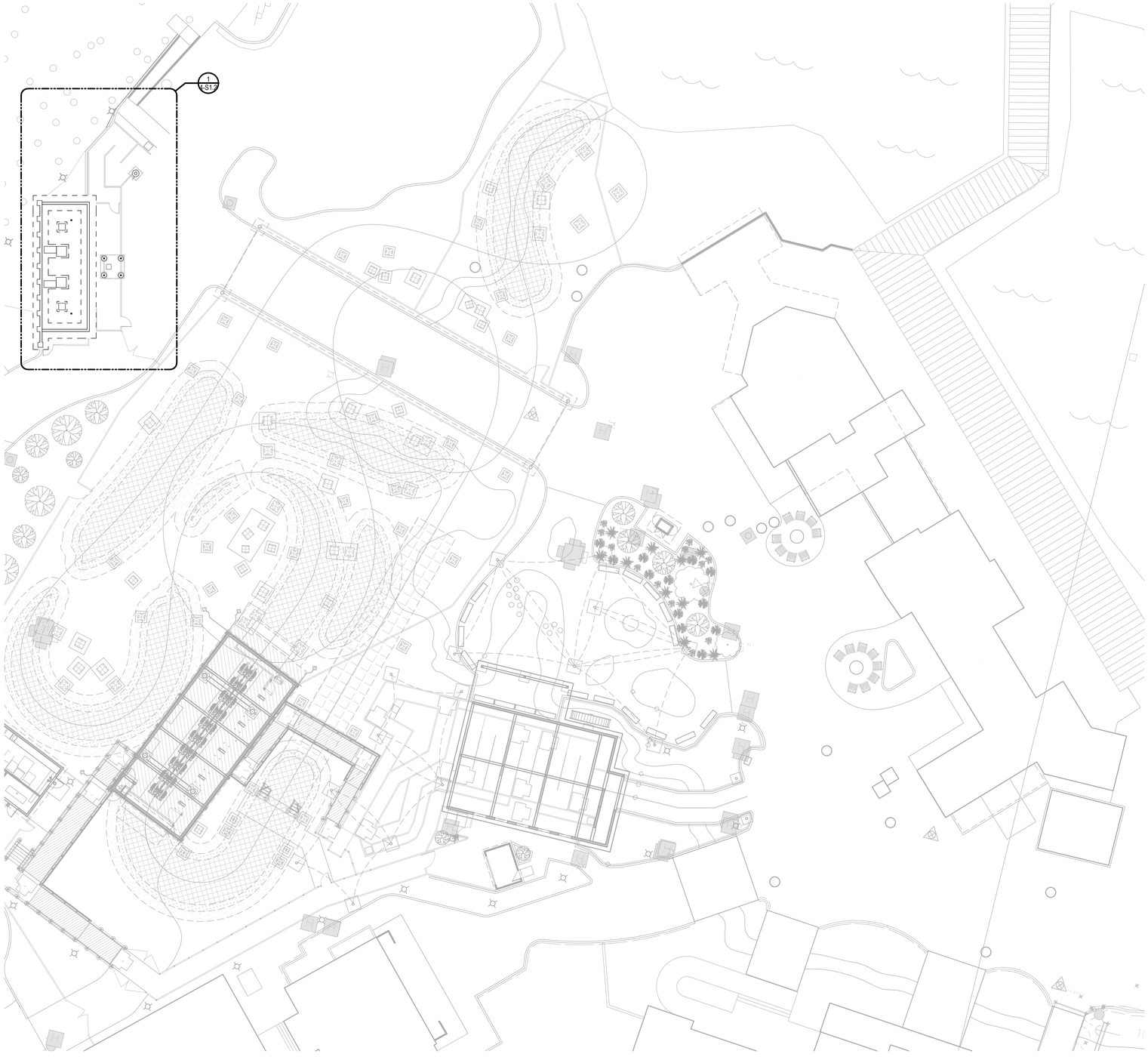

SITE PLAN 1
1/16" = 1'-0" 4-S1.1

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FILE	#225093-4

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513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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SITE PLAN
SFMM- CRAZY BUS

SHEET NO.
4-S1.1

JEFFEREY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

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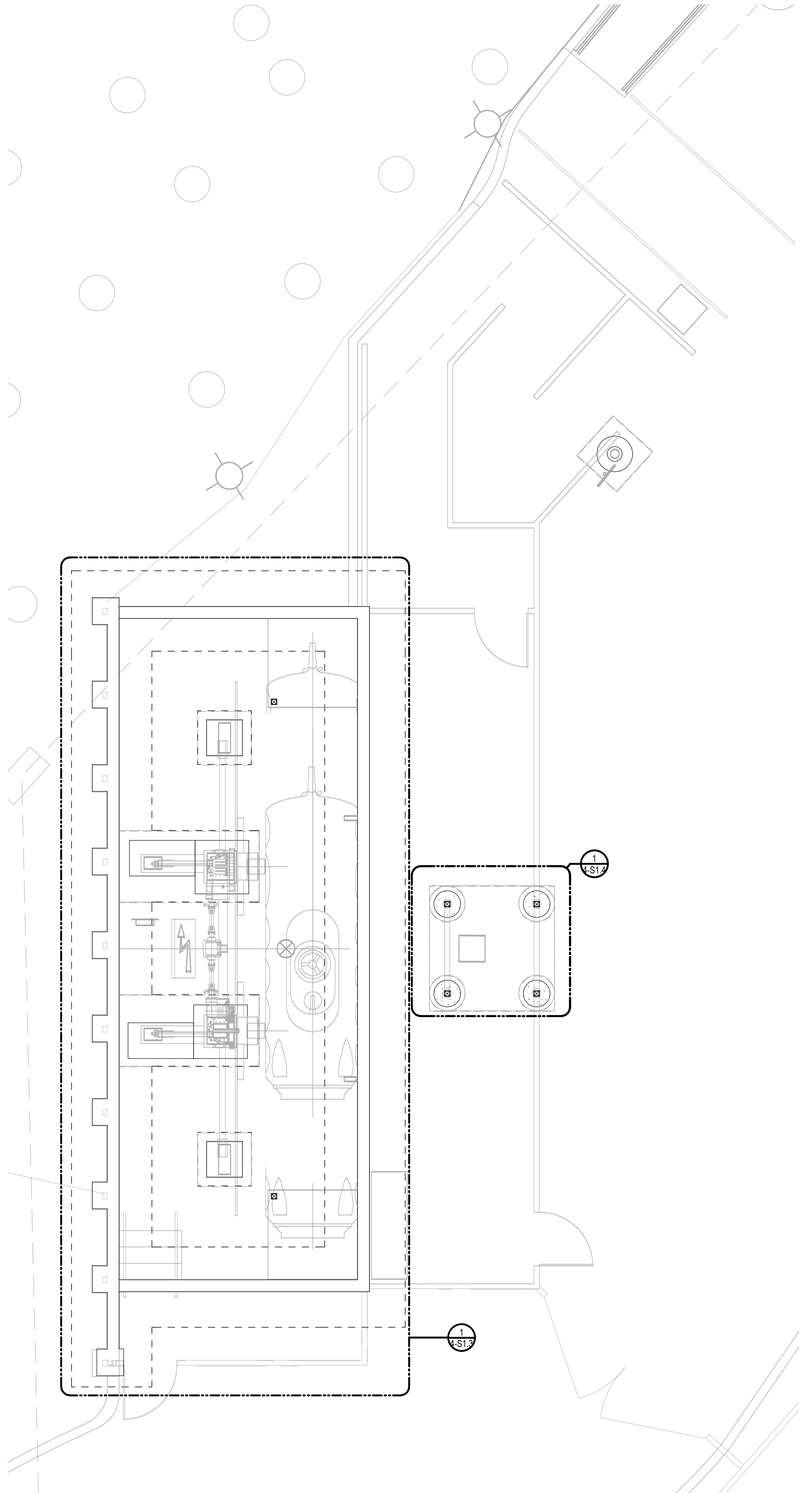

ENLARGED PLAN 1/4" = 1'-0" (1 / 4-S1.2) NORTH

6/4/2026 7:00:29 PM G:\25\RSL Commercial - Cin - 1384820\25-2047-A\60-Drawings\schaefer\current\Crazy Bus r25.rvt

JEFFERY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

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513-891-9950 PHONE
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FOUNDATION PLAN

SFMM- CRAZY BUS

SHEET NO.
4-S1.2

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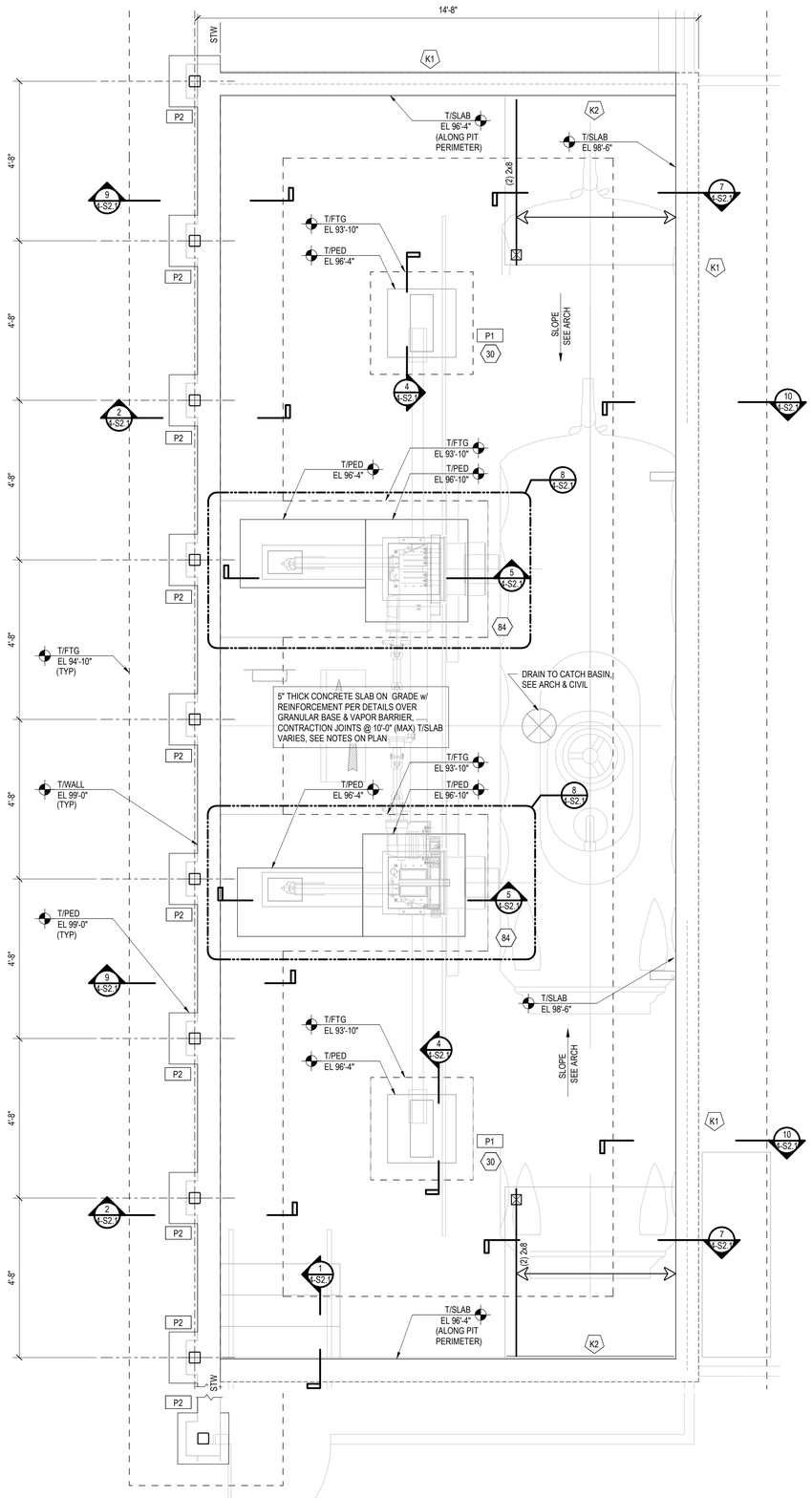
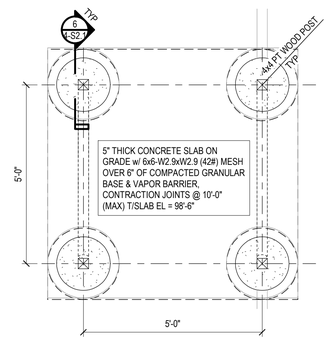


6/4/2026 7:00:31 PM G:\25\RSL Commercial - Cin - 1384820\25-2047-A\60-Drawings\schaefer\current\Crazy Bus r25.rvt

Kn KEYNOTES:

1. 4'-0" HIGH WOOD FENCE, SEE ARCH
2. CONNECT FIRST JOIST TO ADJACENT WALL w/ (1) 5/8"ø SCREW ANCHOR w/ 5" EMB @ 24"oc MAX, STAGGERED TOP & BOT



NOTE: SEE ARCH / CIVIL FOR LOCATING OPERATOR BOOTH

FOUNDATION PLAN — 1/2" = 1'-0" (2 / 4-S1.3) NORTH

ENLARGED FOUNDATION PLAN — 1/2" = 1'-0" (1 / 4-S1.3) NORTH

FOUNDATION PLAN NOTES:

1. REFERENCE PLAN ELEVATION 100'-0" = 718.00' MEAN SEA LEVEL.
2. DOORS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
3. SEE SHEET 4-S0.1 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
4. SLOPE SLAB TO FLOOR DRAINS, COORDINATE WITH ARCHITECTURAL & PLUMBING DRAWINGS.

ISOLATED FOOTING SCHEDULE

MARK	SIZE			REINFORCING	REMARKS
	LENGTH (L)	WIDTH (B)	THICKNESS (H)		
30	3'-0"	3'-0"	1'-6"	(4) #5 EA WAY BOT	
84	4'-0"	8'-0"	1'-6"	#5 @ 12"oc TOP & BOT EA WAY	

PEDESTAL SCHEDULE

MARK	SIZE		PATTERN	REINFORCING		REMARKS
	B	L		VERTICAL BARS	TIES	
P1	2'-0"	2'-0"	A	(8) #5	#4 @ 10"oc	
P2	1'-6"	1'-6"	A	(8) #4	#3 @ 10"oc	

NOTES:

1. SEE RELATING SECTIONS FOR ADDITIONAL INFORMATION.
2. CENTER PEDESTAL ON COLUMN CENTERLINE (UNLESS NOTED OTHERWISE).
3. COORDINATE PEDESTAL ORIENTATION WITH FOUNDATION PLAN.
4. REINFORCING HAS 2" CLEARANCE TO EXTERIOR FACE OF CONCRETE.
5. WHERE ANCHOR BOLTS ARE PLACED IN THE TOP OF PEDESTAL, PLACE (3) #3 TIES (OR (2) #4 TIES) IN THE TOP 5" OF PEDESTAL, IN ADDITION TO SCHEDULED TIE REINFORCING.
6. EXTEND PEDESTAL REINFORCING TO 4" CLEAR OF BOTTOM OF FOOTING & TERMINATE w/ STANDARD HOOK.

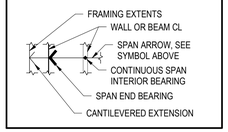
PATTERN TYPES:

TYPE A

WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
<-->	PT 2x8 @ 16"oc MAX. TYPICAL UNLESS NOTED OTHERWISE

SPAN ARROW VISUAL DESCRIPTION:



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081-006880
LICENSED
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STATE OF ILLINOIS

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Cincinnati, OH 45236
513-891-9950 PHONE
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ENLARGED FOUNDATION PLANS

SFMM- CRAZY BUS

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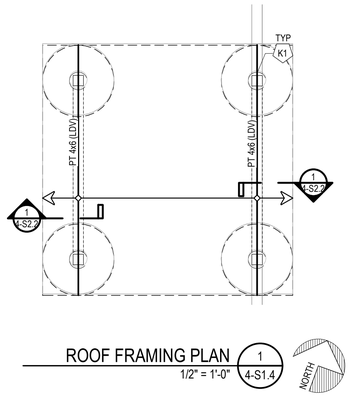


ROOF FRAMING PLAN
1/2" = 1'-0"
1
4-S1.4
NORTH

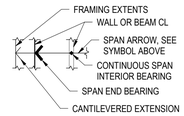
ROOF FRAMING KEYNOTES	
NO.	DESCRIPTION
K1	STRAP HEADER TO SUPPORTING POST w/ SIMPSON LTS12Z

WOOD FRAMING LEGEND:

SYMBOL DESCRIPTION

PT 2x8 @ 16"oc MAX.
TYPICAL UNLESS NOTED OTHERWISE

SPAN ARROW VISUAL DESCRIPTION:



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513-891-9951 FAX
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ROOF FRAMING PLAN

SFMM- CRAZY BUS

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JEFFEREY R. BOLCHALK
081-006880
LICENSED
STRUCTURAL
ENGINEER
STATE OF ILLINOIS

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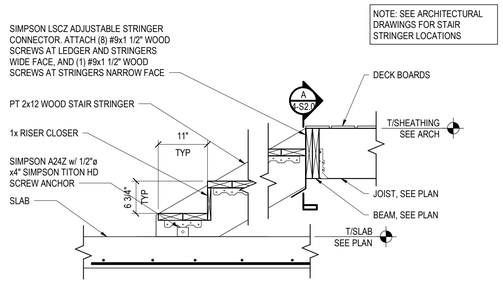
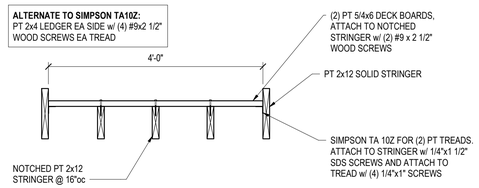
CONCRETE MIXTURE REQUIREMENTS										
CONCRETE CLASS	DESCRIPTION	EXPOSURE CLASS F	S	W	C	MINIMUM f'c AT 28 DAYS (PSI)	MAXIMUM w/c RATIO	AIR CONTENT	MINIMUM CEMENTITIOUS MATERIAL (LB/CY)	REMARKS
A	FOOTINGS AND GRADE BEAMS	F0	S0	W0	C0	3000	--	--	--	--
B	FOUNDATION WALLS & PEDESTALS	F2	S0	W0	C1	4500	0.45	6% ±1.5%	--	--
P1	EXTERIOR SLABS-ON-GROUND MILD EXPOSURE	--	--	--	--	4000	--	6% ±1.5%	540	**[??12]**
P2	EXTERIOR SLABS-ON-GROUND SEVERE EXPOSURE	F3	S0	W0	C2	5000	--	6% ±1.5%	540	

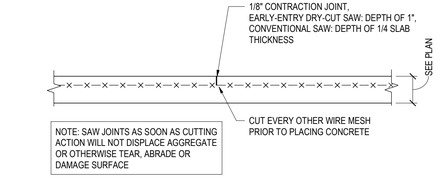
CONCRETE MIXTURE NOTES:
A. PROVIDE MIX DESIGNS IN ACCORDANCE WITH ACI 301-16 FOR SPECIFIED EXPOSURE CLASS AND AGGREGATE.
B. NOMINAL MAX AGGREGATE SIZE = 3/4" UNLESS OTHERWISE NOTED
C. ALL CONCRETE SHALL BE NORMAL WEIGHT UNLESS OTHERWISE NOTED



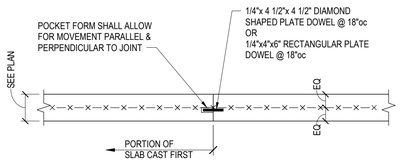
TYPICAL STAIR FRAMING DETAIL
NTS



SECTION A 4-S2.0
3/4" = 1'-0"

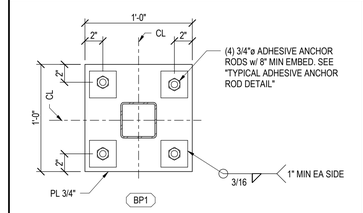


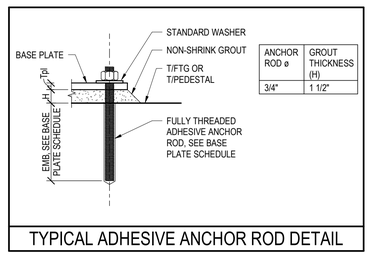
SLAB ON GRADE TYPICAL CONTRACTION JOINT
NTS



SLAB ON GRADE TYPICAL CONSTRUCTION JOINT
NTS

BASE PLATE SCHEDULE





TYPICAL ADHESIVE ANCHOR ROD DETAIL

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513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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TYPICAL FOUNDATION DETAILS & SECTIONS

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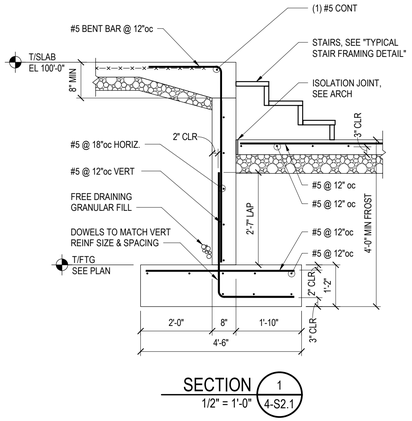

SECTION 1 / 4-S2.1
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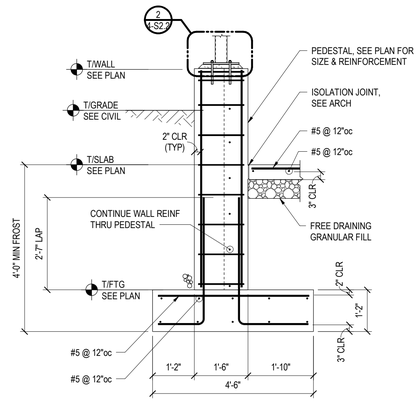

SECTION 2 / 4-S2.1
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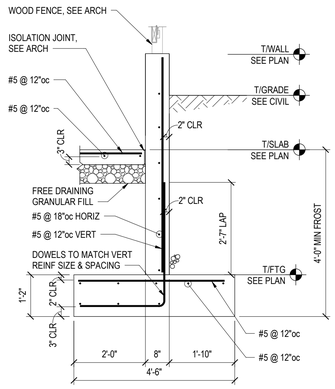

SECTION 3 / 4-S2.1
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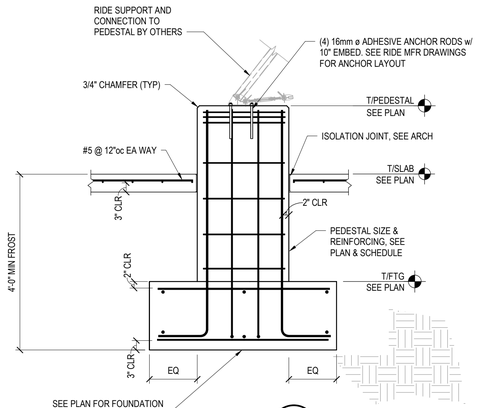

SECTION 4 / 4-S2.1
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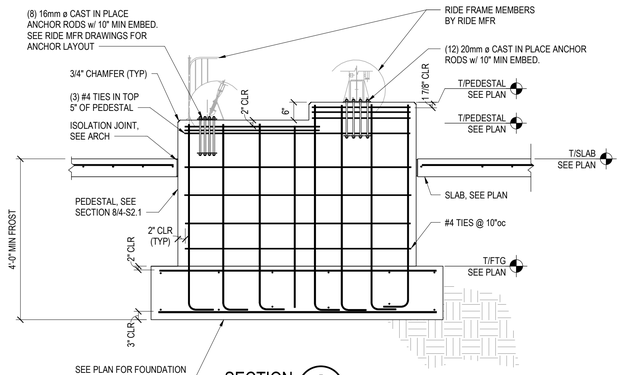

SECTION 5 / 4-S2.1
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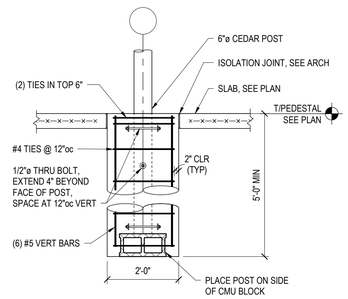

SECTION 6 / 4-S2.1
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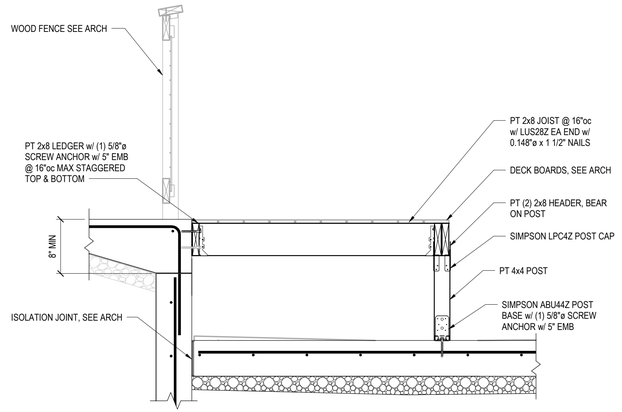

SECTION 7 / 4-S2.1
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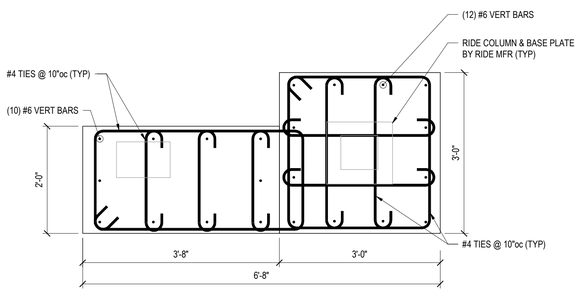

SECTION 8 / 4-S2.1
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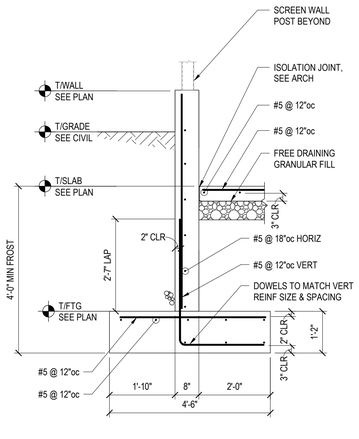

SECTION 9 / 4-S2.1
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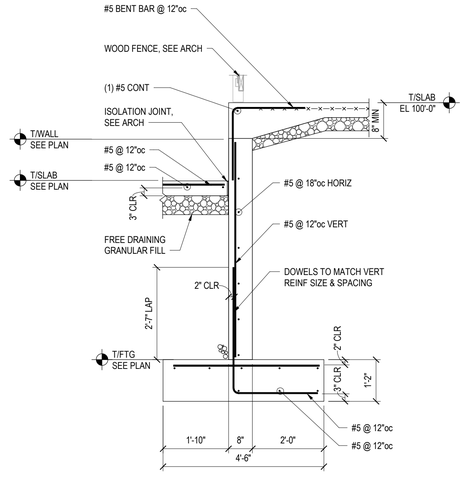
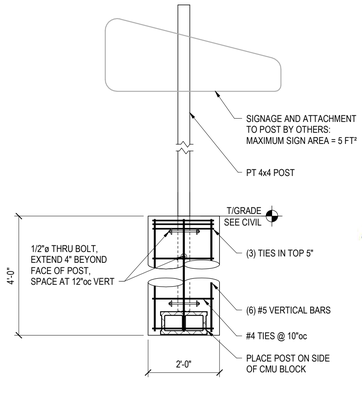


SECTION 10 / 4-S2.1
1/2" = 1'-0"



SECTION 11 / 4-S2.1
1/2" = 1'-0"

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JEFFREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

STRUCTURAL ENGINEERS
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4-S2.1

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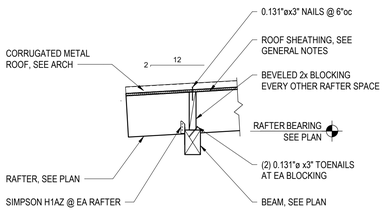
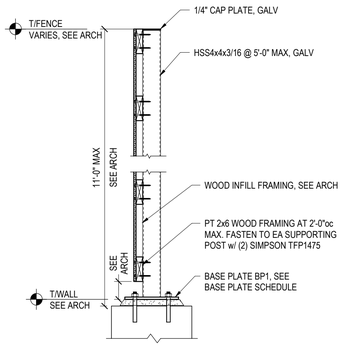
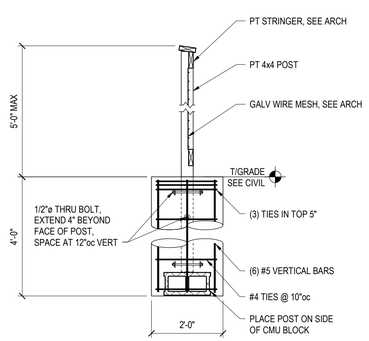


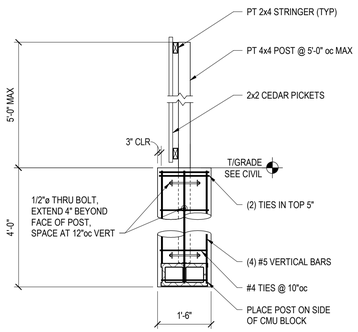
SECTION 1 / 3/4" = 1'-0" / 4-S2.2



SECTION 2 / 3/4" = 1'-0" / 4-S2.2



TYPICAL EMEBED FENCE POST
1/2" = 1'-0"



SHORT FENCE DETAIL
1/2" = 1'-0"

JEFFEREY R. BOLCHALK
081-006880
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

Steven Schaefer Associates, Inc.
is a professional design firm
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STRUCTURAL ENGINEERS
800.542.3302
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Schaefer Project Number: 25-2047-A

SCALE	VARIES
DATE	06-05-2016
DRAWN	REH / TWL
FILE	#225093-4

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

FRAMING DETAILS & SECTIONS

SFMM- CRAZY BUS

SHEET NO.
4-S2.2

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1 SITE ACCESSIBILITY PLAN
SCALE: 1/16" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-20
RICHARD S. LEVIN #001
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225093-4

REVISION	DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags
Entertainment Corporation

SITE ACCESSIBILITY

SFGM - CRAZY BUS

SHEET NO.
4-AC-1.0

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#225093-4

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICAN WITH DISABILITIES ACCESSIBILITY GUIDELINES
AFF	ABOVE FINISH FLOOR
ABV	ABOVE
ACCESS	ACCESSIBLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
AT	ACOUSTICAL CEILING TILE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
CL	CENTER LINE
CAB	CABINET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CSWK	CASEWORK
CTR	CENTER
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DATUM POINT
DET	DETAIL
DWG(S)	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FC	FIXTURE CONTRACTOR
FEC	FIRE EXTINGUISHER CABINET
FO	FINISHED OPENING
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PANEL
FD	FLOOR DRAIN
FIG	FIGURE
FIN	FINISH
FL	FLOOR
FLUOR	FLUORESCENT
FRT	FIRE RETARDANT TREATED
FT	FOOT
GC	GC
GWB	GYPSUM WALL BOARD
GA	GAUGE
HDF	HIGH DENSITY FIBERBOARD
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ICC	INTERNATIONAL CODE COUNCIL
INCAN	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
JST	JOIST
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
MDF	MEDIUM DENSITY FIBERBOARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PLYWD	PLYWOOD
R	RADIUS
RO	ROUGH OPENING
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ	REQUIRED
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE
SUSP	SUSPENDED
TEMP	TEMPERATURE
THRU	THROUGH
TO	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
WC	WATER CLOSET
WIC	WOOD INSTITUTE OF CALIFORNIA
WR	WATER RESISTANT
W/	WITH
W/O	WITHOUT
WD	WOOD

GENERAL NOTES

GENERAL:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, AND SERVICES TO PERFORM THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS. ALL PERMITS SHALL BE IN THE OWNER'S NAME.
4. THE CONTRACTOR SHALL ALLOW WORK BY OTHERS AND COORDINATE WORK AS NECESSARY WITH WORK BY OTHERS.
5. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONSULT ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND IN EXISTING CONDITIONS.
6. THE CONTRACTOR SHALL STORE AND PROTECT ALL MATERIALS AS RECOMMENDED BY MANUFACTURER.
7. FINAL CLEAN UP SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

DRAWINGS:

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE FROM FACE OF STUDS OR MASONRY AT NEW CONSTRUCTION AND TO FINISHED FACE OF EXISTING CONSTRUCTION UNLESS INDICATED OTHERWISE.
3. CONTACT THE ARCHITECT IMMEDIATELY IF THE DRAWINGS CONTAIN INSUFFICIENT OR CONFLICTING INFORMATION. DEVIATION FROM THESE DRAWINGS WITHOUT ARCHITECT APPROVAL SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT.
4. THE CONTRACTOR SHALL EXAMINE DRAWINGS OF WORK TO BE PERFORMED BY OTHERS FOR PURPOSES OF COORDINATING WORK WITH WORK BY OTHERS.

CONSTRUCTION AND SAFETY:

1. CONTRACTOR SHALL BRACE CONSTRUCTION AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ARCHITECT IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF THE CONTRACTOR'S PERSONNEL OR SAFETY CONDITIONS.

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
RICHARD STEVEN LARSEN
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

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Six Flags
Entertainment Corporation

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-4

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

GENERAL NOTES AND ABBREVIATIONS

SFGM - CRAZY BUS

SHEET NO.
4-A-0.1

#125093-4

1 SITE PLAN
SCALE: 1/16" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-26
RICHARD STEVEN LOPRIORE
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-4

REVISION	DESCRIPTION

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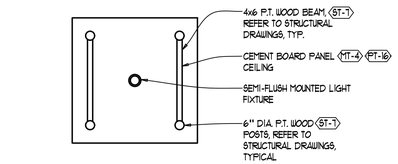
SITE PLAN

SFGM - CRAZY BUS

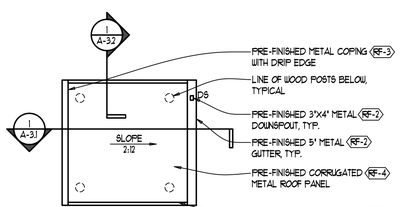
SHEET NO.
4-A-1.0

#225093-4

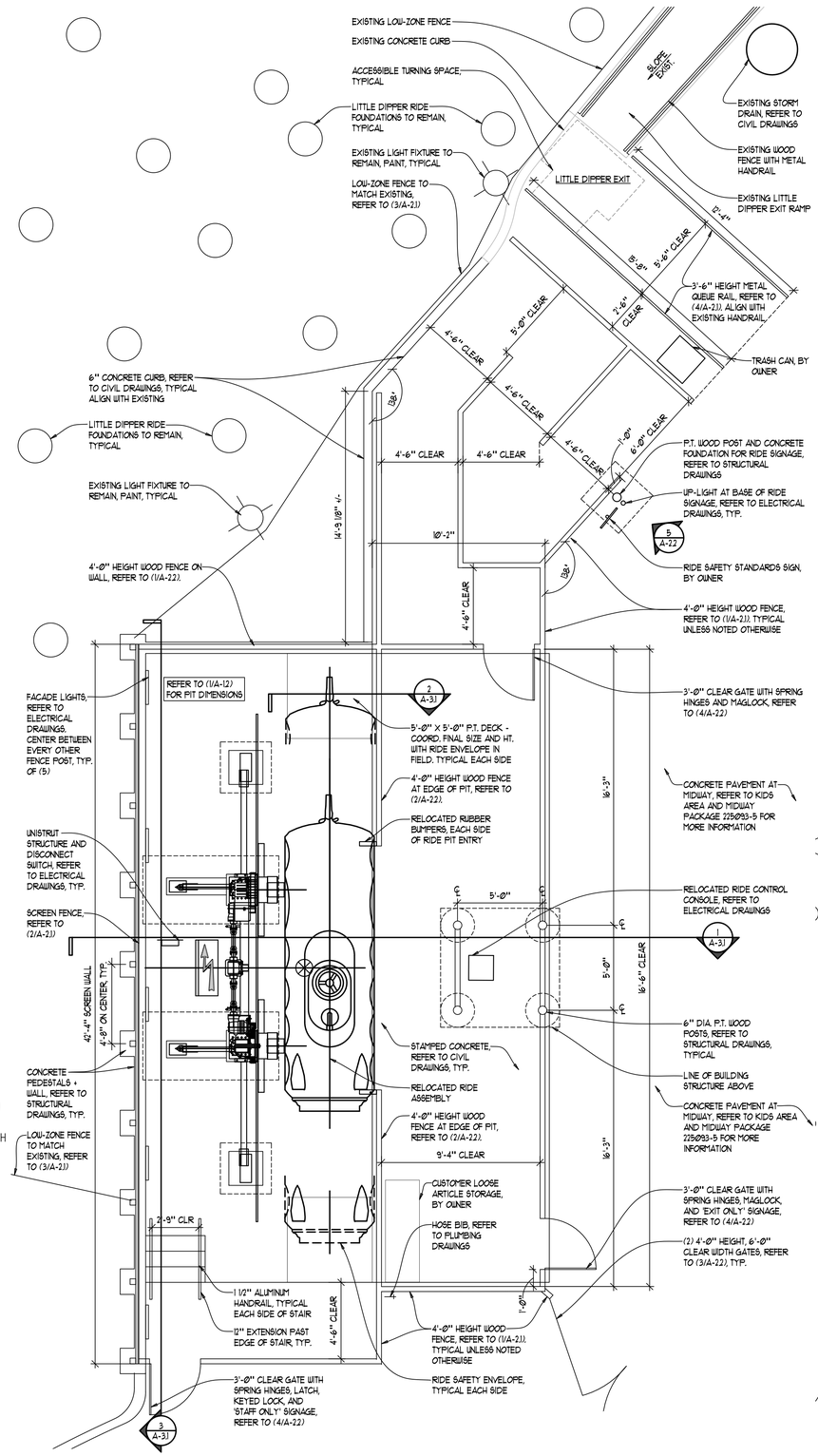
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
RF-2	METAL GUTTER AND DOWNSPOUT	MBCI	TBD	TO MATCH ROOF FINISH		
RF-3	METAL TRIM / FLASHING / RIDGE CAP	MBCI	TBD	TO MATCH ROOF FINISH		
RF-4	CORRUGATED METAL ROOF PANEL	MBCI	PBC	TBD		
MT-1	CEMENT BOARD TRIM	JAMES HARDIE	HARDIE TRIM: ROUGHSAWN	PRIMED FOR PAINT		
MT-4	CEMENT BOARD PANEL	JAMES HARDIE	HARDIE PANEL: SELECT CEDARMILL	PRIMED FOR PAINT		
ST-7	STAIN	SHERWIN WILLIAMS	TBD	TBD		
PT-16	STAIN	SHERWIN WILLIAMS	TBD	TBD		



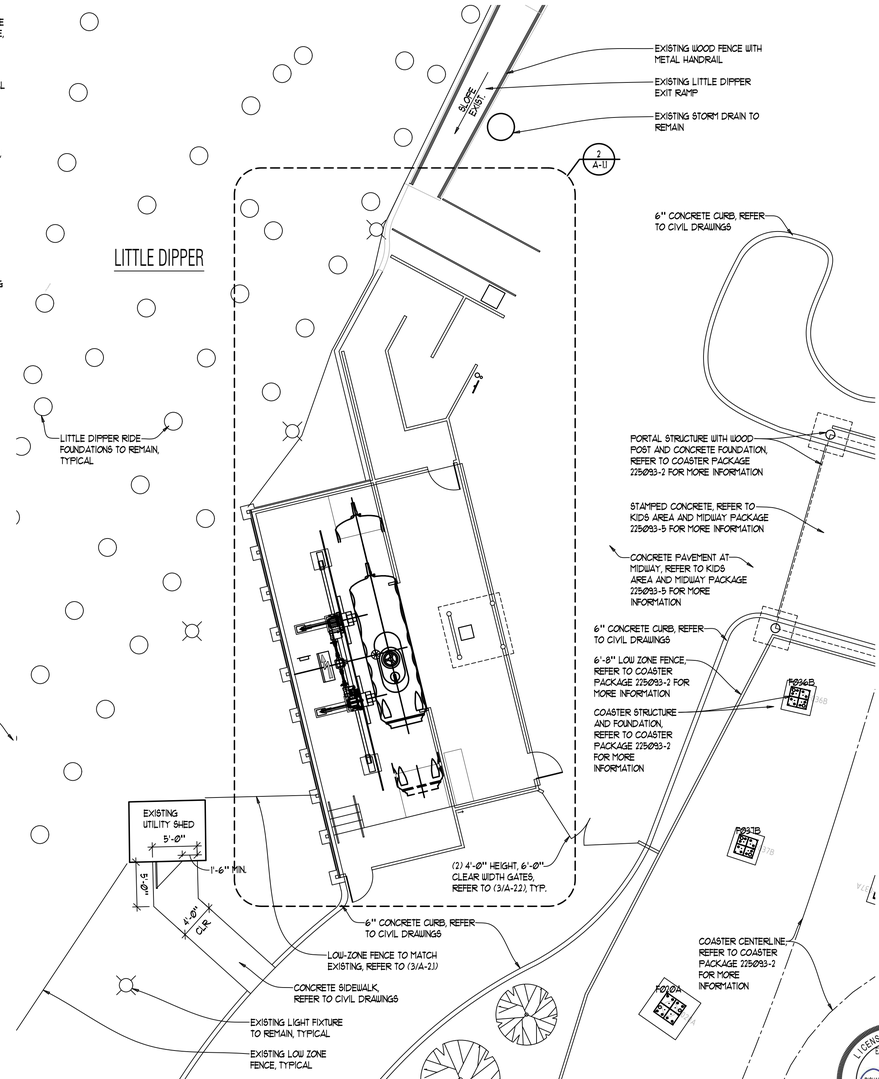
4 R.C.P. AT OPERATOR BOOTH
SCALE: 1/4" = 1'-0"



3 ROOF PLAN AT OPERATOR BOOTH
SCALE: 1/4" = 1'-0"



2 FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"

PLAN NORTH | PLAN NORTH | NORTH | NORTH

SCALE VARIES
DATE 06-05-2016
DRAWN BK
FILE *225093-4

REVISION	DESCRIPTION

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Six Flags Entertainment Corporation

ENLARGED SITE PLAN AND PLANS

SFGM - CRAZY BUS

SHEET NO.
4-A-1.1

*225093-4

LICENSED ARCHITECT
EXPIRATION DATE:
11-30-18
RICHARD STANLEY BIRK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004118

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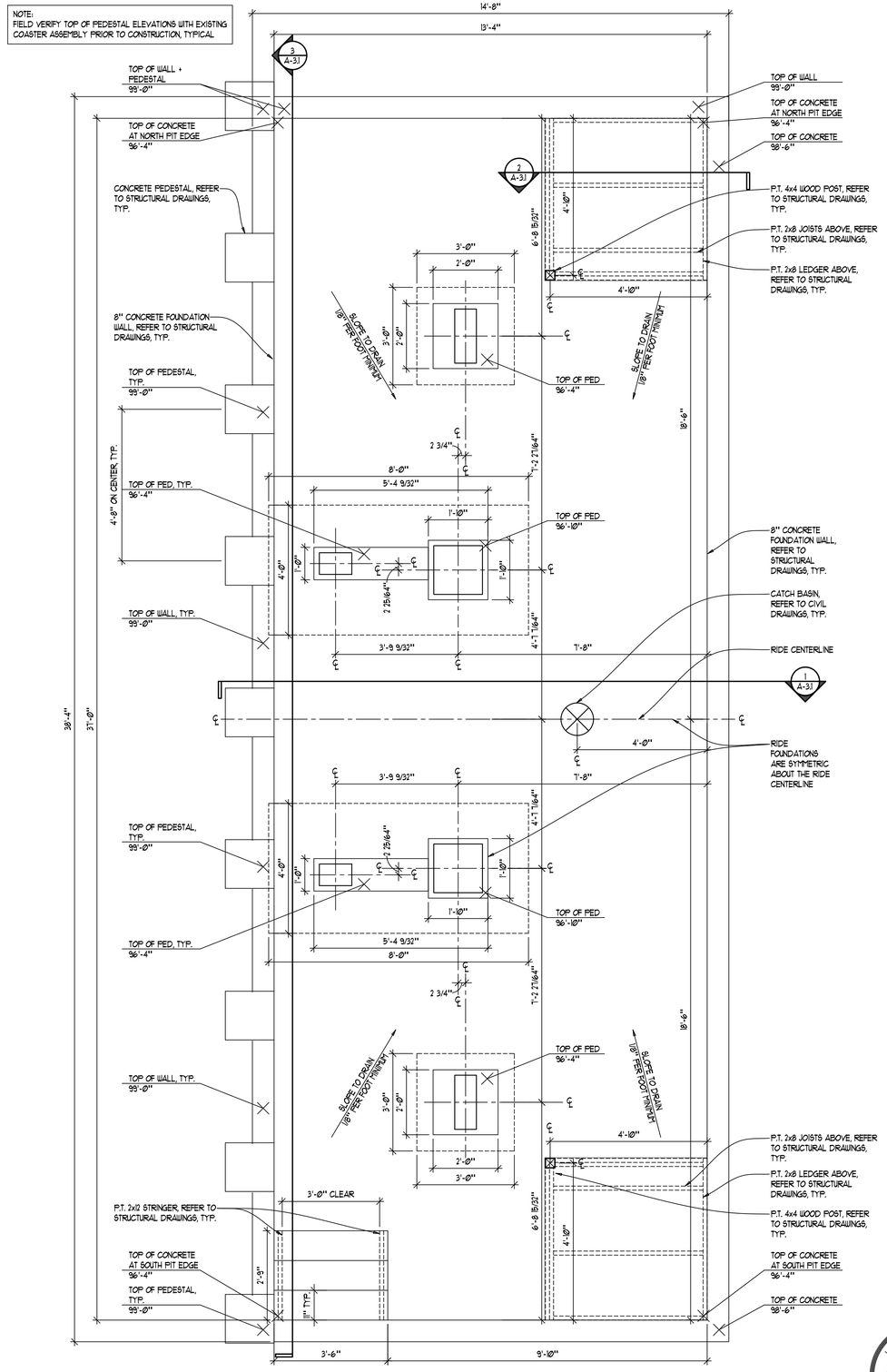

1 ENLARGED PIT PLAN
SCALE: 1/2" = 1'-0"

NORTH PLAN NORTH

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

LICENSED ARCHITECT
EXPIRATION DATE
11/30/25
RICHARD STEVEN LANGE
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-4

REVISION	DESCRIPTION

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ENLARGED PIT PLAN

SFGM - CRAZY BUS

SHEET NO.
4-A-1.2

#225093-4

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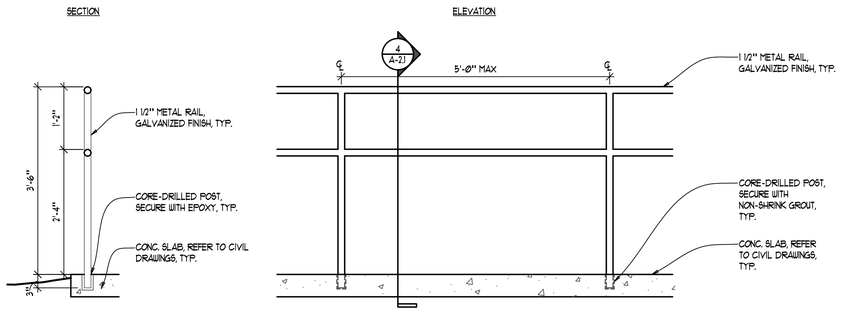
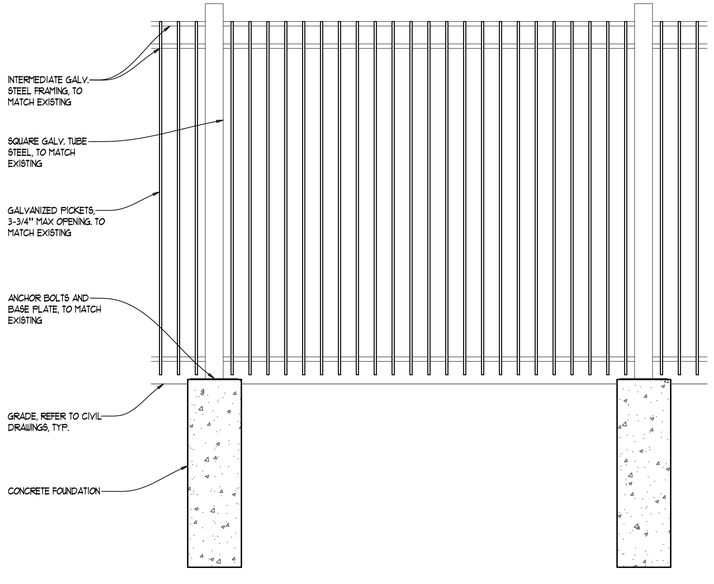


4 FENCE DETAILS - 3'-6" QUEUE RAIL

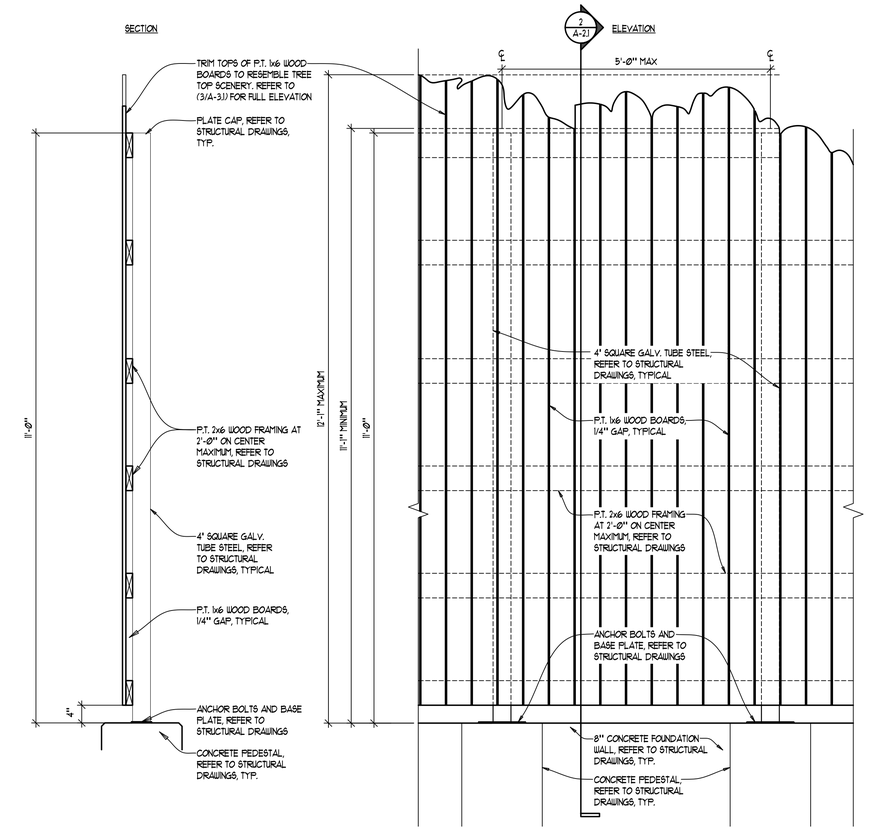
SCALE: 3/4" = 1'-0"



3 FENCE DETAILS - MATCH EXISTING LOW ZONE

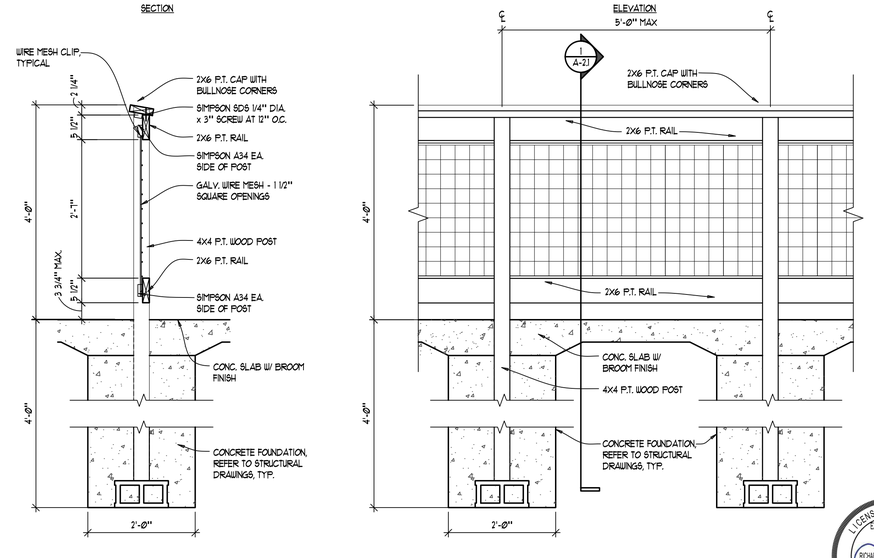
SCALE: 3/4" = 1'-0"

NOTE:
INTERMEDIATE GALV. STEEL FRAMING TO ALIGN WITH EXISTING FENCE, SITE VERIFY HEIGHTS FOR HORIZONTAL FRAMING



2 FENCE DETAILS - SCREEN FENCE

SCALE: 3/4" = 1'-0"



1 FENCE DETAILS - 4'-0" WOOD FENCE

SCALE: 3/4" = 1'-0"

FIRM REGISTRATION NUMBER
184004116

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#225093-4

REVISION	DESCRIPTION

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513-891-9950 PHONE
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Six Flags Entertainment Corporation

FENCE DETAILS

SFGM - CRAZY BUS

SHEET NO.
4-A-2.1

#225093-4

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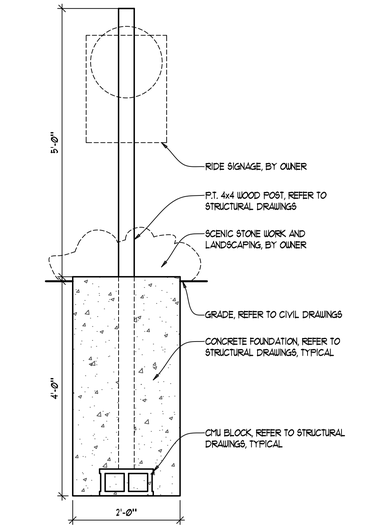
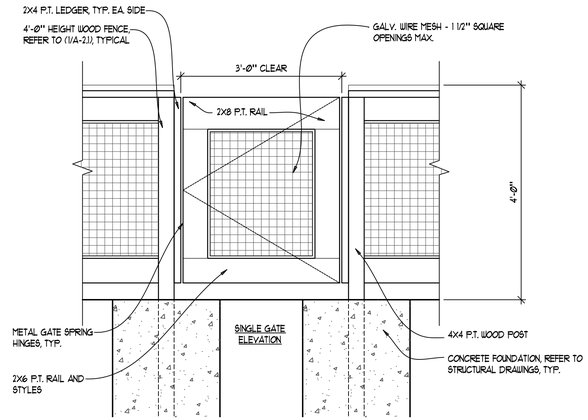
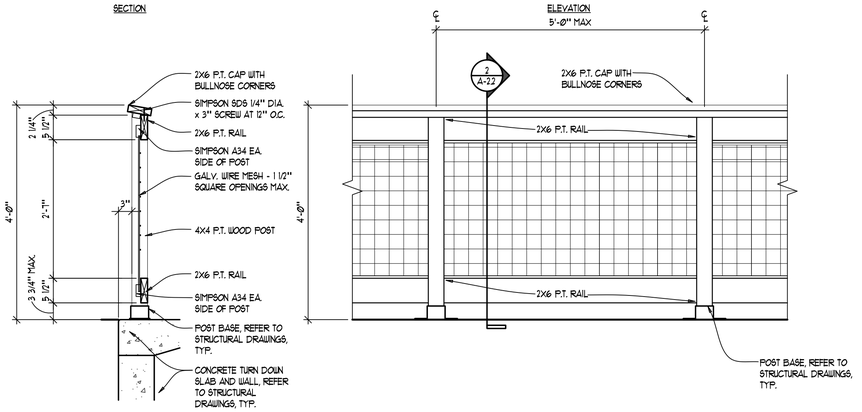


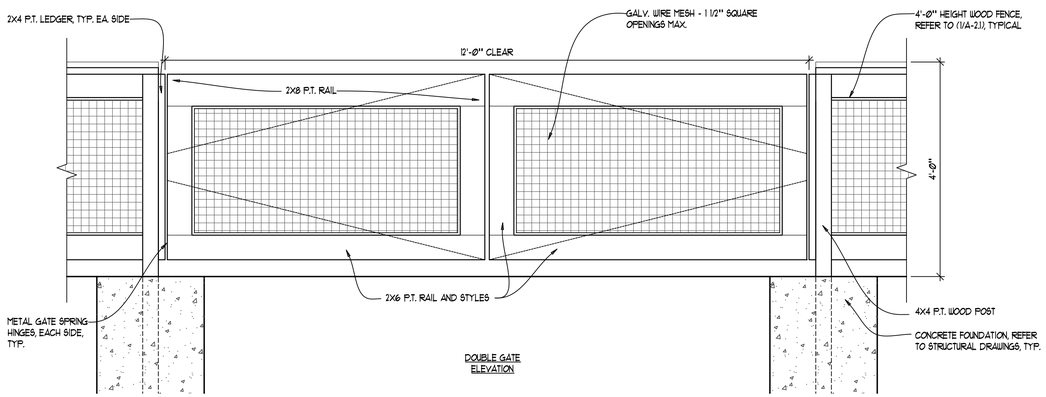
5 CRAZY BUS SIGNAGE
SCALE: 3/4" = 1'-0"



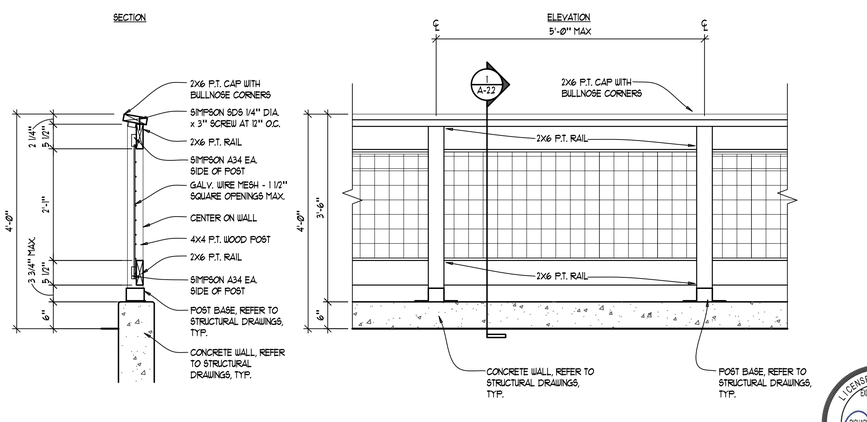
4 3'-0" CLEAR GATE ELEVATION
SCALE: 3/4" = 1'-0"



2 FENCE DETAILS - 4'-0" WOOD FENCE AT PIT EDGE
SCALE: 3/4" = 1'-0"



3 12'-0" CLEAR GATE ELEVATION
SCALE: 3/4" = 1'-0"



1 FENCE DETAILS - 4'-0" WOOD FENCE ON CURB
SCALE: 3/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11.30.18
RICHARD STEVEN LARSEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004118

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225033-4

REVISION	DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

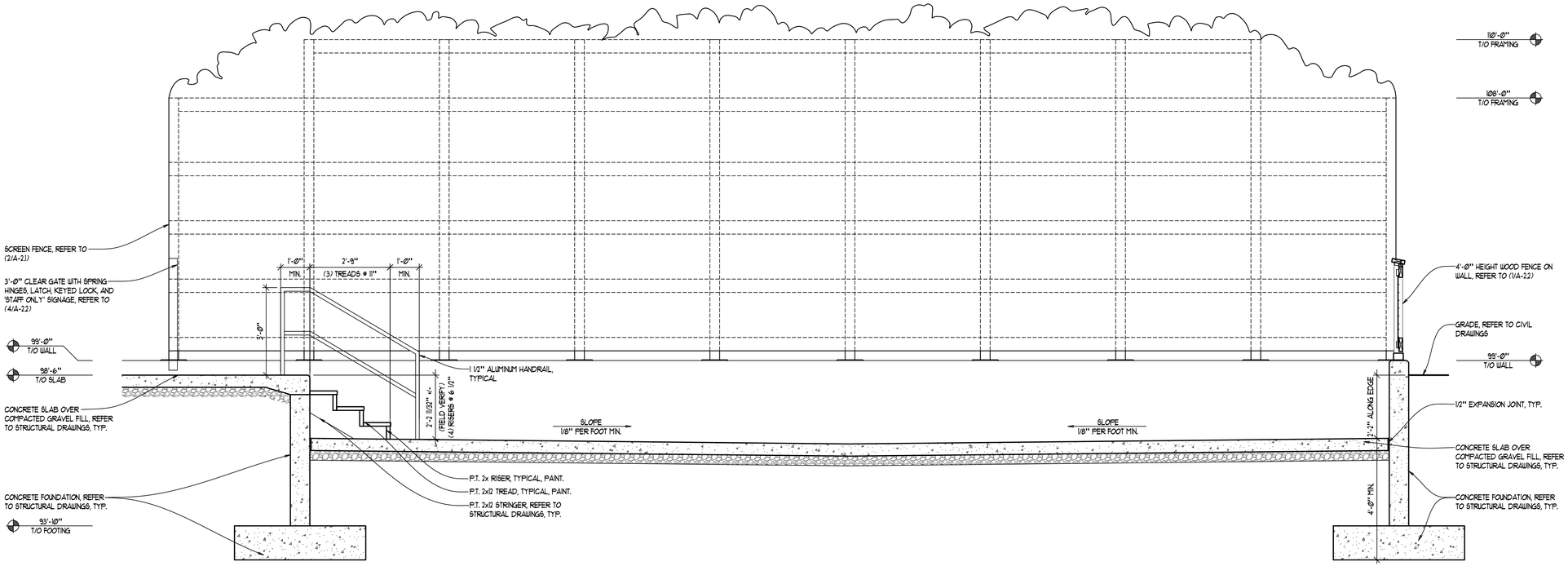
Six Flags Entertainment Corporation

FENCE/GATE DETAILS AND RIDE SIGNAGE ELEVATION

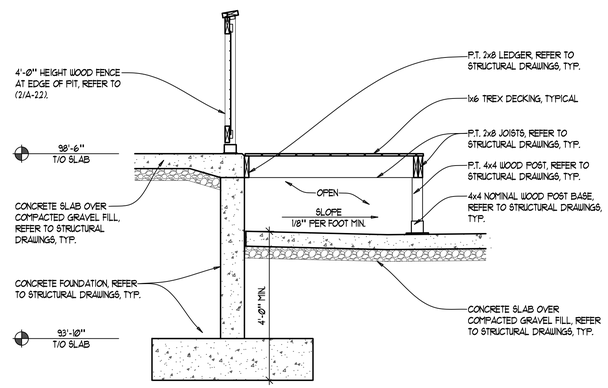
SFGM - CRAZY BUS

SHEET NO.
4-A-2.2

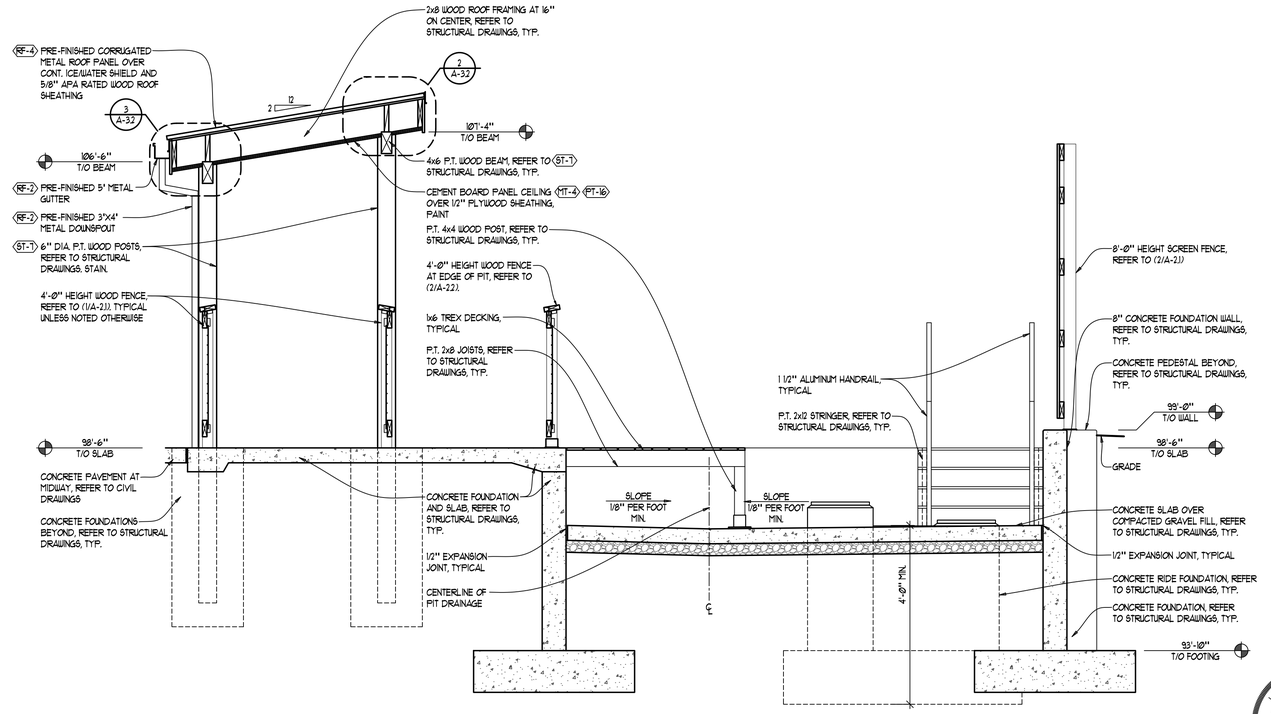
#225033-4



3 SECTION
SCALE: 1/2" = 1'-0"



2 SECTION at PLATFORM
SCALE: 1/2" = 1'-0"



1 SECTION
SCALE: 1/2" = 1'-0"

NOTE:
ELEV 100'-0" = CIVIL ELEVATION 118'-0" (118.00)

REFER TO CIVIL DRAWINGS FOR GRADING, DRAINAGE AND OTHER SITE INFORMATION

SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#125093-4

REVISION	DESCRIPTION

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8927 Rossash Road
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513-891-9950 PHONE
513-891-9951 FAX
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BUILDING SECTIONS

SFGM - CRAZY BUS

SHEET NO.
4-A-3.1

#125093-4

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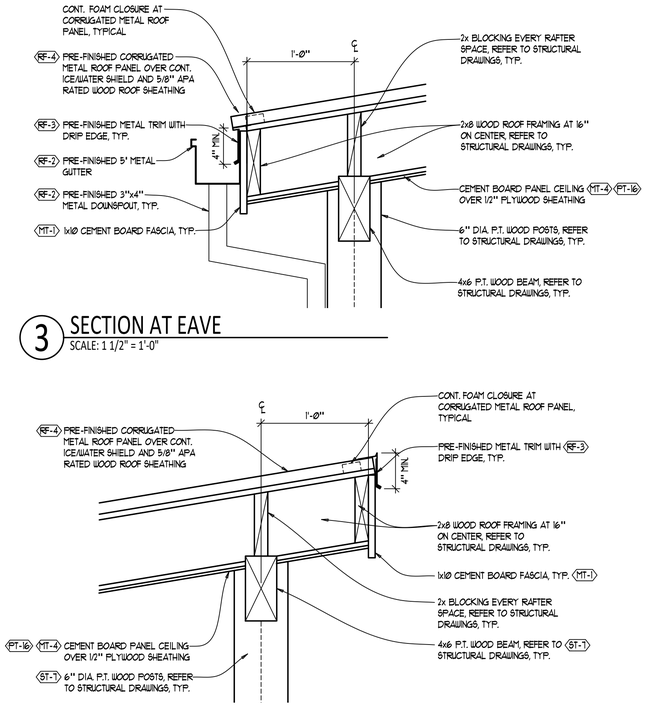
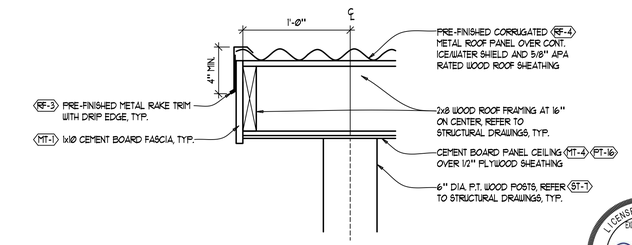
LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
RICHARD STEVEN LARSEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116



3 SECTION AT EAVE
SCALE: 1 1/2" = 1'-0"

2 SECTION AT EAVE
SCALE: 1 1/2" = 1'-0"



1 SECTION AT RAKE
SCALE: 1 1/2" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
RICHARD STEVEN LOSCH
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
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Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

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ROOF SECTION DETAILS

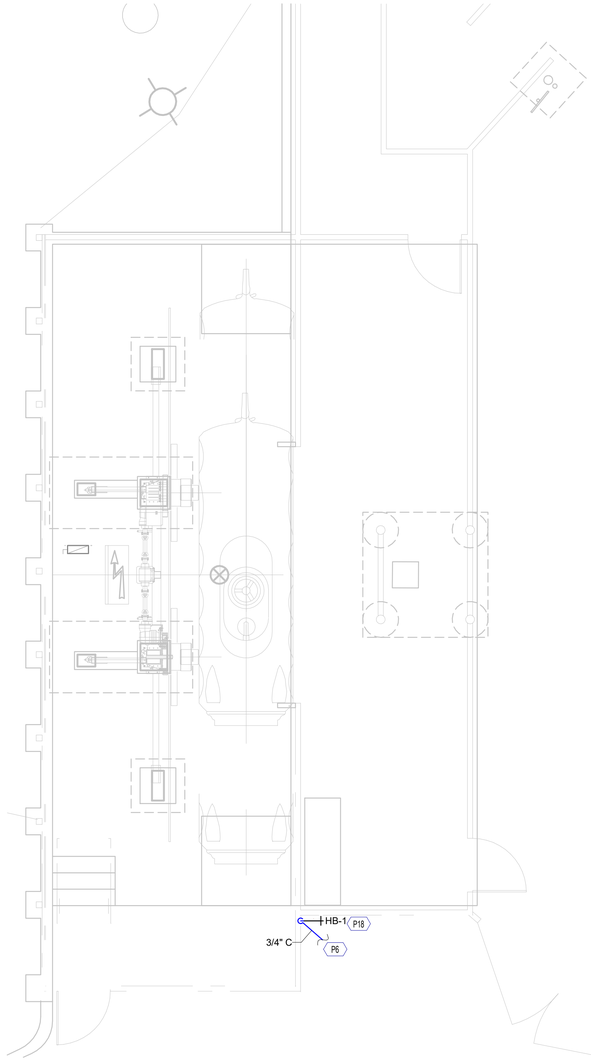
SFGM - CRAZY BUS

SHEET NO.
4-A-3.2

#125093-4

22-HYDRANT SCHEDULE				
TYPE LABEL	DESCRIPTION	BASIS OF DESIGN		CONNECTION SIZE
		MANUFACTURER	MODEL	COLD WATER
HB-1	UTILITY HOSE BIBB	ZURN	Z1341-XL	<varies>

22-PLUMBING SHEET LIST - PACKAGE 4	
SHEET NUMBER	SHEET NAME
4-P-0.0	PLUMBING SCHEDULES, LEGENDS, AND PLANS



1 4-P-0.0 CRAZY BUS PLUMBING PLAN
1/4" = 1'-0"

KEYNOTES

P6 EXTEND PIPING FIVE FEET OUTSIDE BUILDING/RIDE FOUNDATION AND PROVIDE FINAL CONNECTION TO SITE UTILITIES. REFER TO CIVIL PLANS FOR CONTINUATION.

P18 PROVIDE 3/4" COLD WATER CONNECTION TO SERVE HB-1. COORDINATE HB-1 LOCATION AND MOUNTING REQUIREMENTS WITH OWNER.

GENERAL PLUMBING NOTES

A. "GENERAL NOTES" APPLY TO ALL P SERIES DRAWINGS ISSUED FOR THIS PROJECT. "DRAWING NOTES" APPLY ONLY TO THE SHEETS ON WHICH THEY APPEAR.

B. ALL WORK SHALL BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES AND OTHER AUTHORITIES HAVING JURISDICTION.

C. COORDINATE WITH WORK OF OTHER TRADES TO AVOID INTERFERENCES BEFORE BEGINNING WORK.

D. COORDINATE ALL COLUMN PAD ELEVATIONS, INTERIOR AND EXTERIOR FOUNDATION FOOTINGS WHICH REQUIRE PIPE SLEEVES OR LOWERING TO ACCOMODATE PLUMBING INVERTS PRIOR TO BEGINNING WORK.

E. IN GENERAL, THE P SERIES DRAWING FORMAT IS AS FOLLOWS: SANITARY WASTE PIPING IS LOCATED BELOW THE FLOOR WHEN SHOWN DASHED AND ABOVE THE FLOOR WHEN SHOWN SOLID. INVERT AND CENTERLINE ELEVATIONS AS WELL AS OTHER NOTED INFORMATION MAY BE PROVIDED FOR CLARIFICATION.

F. PLUMBING SCHEDULES IDENTIFY THE BASIS OF DESIGN MANUFACTURER AND MODEL. REFER TO SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS.

SYMBOLS AND ABBREVIATIONS LEGEND

(THERE MAY BE SYMBOLS LISTED IN THIS LEGEND THAT ARE NOT USED IN THIS SET OF DRAWINGS)

PIPE TAG LEGEND

4" - C

PIPE SIZE (DIA.) — PIPE SYSTEM TYPE

ABBR	DESCRIPTION
C	DOMESTIC COLD WATER
S	SANITARY
V	VENT
ST	STORM PIPING
F	FIRE PROTECTION
CA	COMPRESSED AIR

BALL VALVE
BUTTERFLY VALVE
PLUG VALVE
CIRCUIT BALANCING VALVE
PIPE CONTINUES
FCO — FLOOR CLEANOUT
GCO — GRADE CLEANOUT
FD-# — FLOOR DRAIN
PIPE TURNING UP
PIPE TURNING DOWN
POC — POINT OF CONNECTION
? — KEYNOTE NOTE

1" REFERENCE LINE

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
STATE OF ILLINOIS
Date Signed: 06-05-2026
License Expires: 11-30-2027

EHSHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CMM

REVISION	DESCRIPTION

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8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
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PLUMBING SCHEDULES, LEGENDS, AND PLANS

SFGM - CRAZY BUS

SHEET NO.
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TECHNOLOGY AND SECURITY SYSTEMS INFORMATION AND LEGENDS

GENERAL NOTES

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TECHNOLOGY DEVICE ROUGH-IN. PROVIDE 1" CONDUIT WITH PULL STRING TO ALL TECHNOLOGY DEVICE LOCATIONS, UNLESS OTHERWISE NOTED.

B. VERIFY EXACT LOCATION AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH OWNER PRIOR TO ROUGH-IN

DATA DROPS

X/44" — MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

DATA DROP WITH DEVICE — X INDICATES DEVICE TYPE

X/44" *DATA DROP (NO DEVICE)* — WT WALL TELEPHONE

COMMUNICATION DEVICES

X INDICATES DEVICE TYPE

COMM DEVICE (CLG MOUNT) — BGM BGM SPEAKER

COMM DEVICE (WALL MOUNT)

SECURITY CAMERAS

	SINGLE HEAD CAMERA	WHERE WALL MOUNTED:
	DUAL HEAD CAMERA	*VERIFY EXACT MOUNTING HEIGHT WITH OWNER*
	QUAD HEAD CAMERA	
	360° FISHEYE CAMERA	

ACCESS CONTROL DEVICES

SECURITY DEVICE (BUTTON) — VERIFY MOUNTING REQUIREMENTS PRIOR TO INSTALLATION.

X INDICATES DEVICE TYPE

SECURITY DEVICE (MISC.)

WIRING DEVICE LEGEND

XX/44" — MOUNTING HEIGHT OF BACKBOX. RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

DUPLEX — XX INDICATES SPECIAL NOTE (IF USED)

WP GFI, WR RECEPTACLE WITH WEATHER PROOF ENCLOSURE

DOUBLE-DUPLEX

JX — JX INDICATES DEVICE DESIGNATION (IF USED)

JUNCTION BOX

ML MAG LOCK GATE (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)

PS — POWER SUPPLY FOR ELECTRIFIED HARDWARE
PROVIDE ELECTRICAL CONNECTION FOR POWER SUPPLY. COORDINATE LOCATION AND REQUIREMENTS WITH HARDWARE PROVIDER.

GROUND FAULT PROTECTED	*GROUND FAULT PROTECTED, ABOVE COUNTER*	*ABOVE COUNTER*	*SPECIALTY RECEPTACLE*

DRAFTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
X	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
1 / 4-E-1.0	DETAIL CALLOUT REFER TO DETAIL 1 ON SHEET 4-E-1.0

26-ELECTRICAL SHEET LIST - CRAZY BUS

SHEET NUMBER	SHEET NAME
4-E-0.0	ELECTRICAL LEGENDS
4-E-0.1	ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS
4-E-1.0	CRAZY BUS ELECTRICAL PLAN
4-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

LICENSED PROFESSIONAL ENGINEER — SAMUEL H. BOHMAN 062-07877 — STATE OF ILLINOIS

Date Signed: 06-04-2026
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SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.381.8112

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RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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ELECTRICAL LEGENDS

SFGM - CRAZY BUS

SHEET NO.

4-E-0.0

2025122.01

WIRING METHODS LEGEND

WIRING METHODS GENERAL NOTES

1. THIS LEGEND PROVIDES AN OVERVIEW OF APPROVED WIRING METHODS FOR THIS PROJECT. REFER TO SPECIFICATION SECTION 260533 "RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS" FOR ADDITIONAL INFORMATION REGARDING SELECTION AND INSTALLATION OF CONDUITS AND BOXES.
2. UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. ALL OTHER SPACES SHALL BE CONSIDERED FINISHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. CONDUITS FOR FEEDERS WHICH ARE SCHEDULED FOR UNDER SLAB INSTALLATION SHALL BE LOCATED A MINIMUM OF 2' BELOW FINISHED FLOOR. COORDINATE WITH ALL OTHER DISCIPLINES.
4. CONDUITS FOR BRANCH CIRCUITS ARE PERMITTED UNDER SLAB ONLY WHERE NOTED ON DRAWINGS OR INDICATED ON SPECIAL CONDITIONS SCHEDULE. CONDUIT ROUTING MUST BE COORDINATED WITH ALL OTHER DISCIPLINES AND BE CLEARLY IDENTIFIED ON AS-BUILT DRAWINGS.
5. COORDINATE ROUTING OF SURFACE RACEWAY SUCH THAT VERTICAL RUNS ARE MINIMIZED, AND RACEWAY DOES NOT RUN BEHIND PERMANENTLY-INSTALLED CASEWORK OR FURNITURE.

RACEWAY SELECTION SCHEDULE

APPLICATION	*IMC*	*RMC*	*EMT*	*MC CABLE*	*FMC*	*LFMC*	*RNC*	*SURFACE RACEWAY*
CONCEALED - CMU WALLS			X					
CONCEALED - METAL STUD PARTITIONS			X	X				
CONCEALED - CAST CONCRETE WALLS							X	
CONCEALED - ICF WALLS			X					
CONCEALED - ABOVE ACCESSIBLE CEILINGS			X	A, B				
CONCEALED - ABOVE INACCESSIBLE CEILINGS			X					
EXPOSED - INTERIOR FINISHED SPACES								F
EXPOSED - INTERIOR UNFINISHED SPACES			X		D	E		X
EXTERIOR - BELOW GRADE APPLICATIONS							X	
EXTERIOR - ABOVE GRADE APPLICATIONS	X	X				E		

RACEWAY APPLICATION NOTES

A. PERMITTED FOR CONNECTION TO AND BETWEEN LIGHT FIXTURES

B. PERMITTED FOR WHIP FROM HOMERUN JBOX TO BRANCH CIRCUIT RACEWAY. SHALL NOT BE USED FOR HOMERUNS.

C. PERMITTED FOR WHIP TO FIRE ALARM DEVICE

D. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT WITHIN PLENUM

E. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT NOT WITHIN PLENUM

F. PERMITTED WHERE INDICATED ON DRAWINGS OR WHERE EXISTING WALL CONSTRUCTION PROHIBITS THE USE OF CONCEALED RACEWAY

BOXES AND COVERS SELECTION SCHEDULE

APPLICATION	*OUTLET BOXES*	*CONDUIT BODIES*	*COVERS*
FINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
UNFINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
EXTERIOR - DEFAULT	GALVANIZED MALLEABLE IRON (NOTE A)	GALVANIZED MALLEABLE IRON (NOTE A)	CAST ALUMINUM
[APPLICATION]	[BOX TYPE]	[CONDUIT BODY TYPE]	[COVER TYPE]

BOXES AND COVERS APPLICATION NOTES

A. CONDUIT SHALL ENTER FROM BOTTOM OR SIDE WHERE PRACTICAL. PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

ABBREVIATION LEGEND

GENERIC ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
CM	CONSTRUCTION MANAGER
EC	ELECTRICAL CONTRACTOR
ED	EXISTING TO BE DEMOLISHED
EM	EMERGENCY
ER	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
GC	GENERAL CONTRACTOR
NEC	NATIONAL ELECTRIC CODE
OC	ON CENTER
OH	OVERHEAD
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
WG	WIREGUARD
WP	WEATHERPROOF
WR	WEATHER RESISTANT

WIRING METHODS ABBREVIATIONS

AL	ALUMINUM
C	CONDUIT
CA	CAST ALUMINUM
CU	COPPER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
FMC	FLEXIBLE METALLIC CONDUIT
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GMI	GALVANIZED MALLEABLE IRON
GND	GROUND
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LV	LOW VOLTAGE
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHLORIDE, SCHEDULE 40
RMC	RIGID METALLIC CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
SM	SHEET METAL
ZP	ZINC PLATED

UNITS

A	AMPERE
AIC	AMPERE INTERRUPTING CAPACITY
CD	CANDELA
FC	FOOTCANDLE
HP	HORSEPOWER
KAIC	KILOAMPERE INTERRUPTING CAPACITY
LPF	LUMENS PER FOOT
V	VOLT
VA	VOLT-AMPERE
W	WATT

COMMON ELECTRICAL ABBREVIATIONS

BAS	BUILDING AUTOMATION SYSTEM
BM	BRANCH METER
CB	CIRCUIT BREAKER
DS	DISCONNECT SWITCH
EPO	EMERGENCY POWER OFF
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GP	GENERATOR PANEL
HTP	HEAT TRACE PANEL
LOD	LOCK OUT DEVICE CAPABLE
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MM	MAINS METER
MRTS	MOTOR RATED TOGGLE SWITCH
OCPD	OVERCURRENT PROTECTIVE DEVICE
OM	OWNER'S METER
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTIVE DEVICE
SUSE	SUITABLE FOR USE AS SERVICE ENTRANCE
TGB	TECHNOLOGY GROUND BAR
TR	TECHNOLOGY RACK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UM	UTILITY METER
UT	UTILITY TRANSFORMER
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER

GENERAL NOTES: - APPLIES TO ALL ELECTRICAL DRAWINGS

A. EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).

B. EC SHALL UPSIZE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE SHOWN BELOW:

WIRE SIZING CHART

RUN LENGTH		CIRCUIT BREAKER		
120V	277V	20A	30A	40A
000-100'	000-200'	12	10	8
101-150'	201-300'	10	8	6
151-200'	301-450'	8	6	4

C. WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.

D. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. EC SHALL NOT SHARE NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS.

E. ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.

F. EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.

G. ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.

H. ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.

I. HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.

J. GROUPINGS OF DEVICES LOCATED ON THE SAME WALL AT THE SAME ELEVATION SHALL BE PLACED SO THAT THE HORIZONTAL DISTANCE BETWEEN DEVICES IS NO GREATER THAN 4". PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.

K. FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LIGHTING FIXTURE SCHEDULE, ON E-0.1 SERIES SHEETS.

L. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT.

1" REFERENCE LINE

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LIGHTING FIXTURE SCHEDULE - CRAZY BUS

GENERAL NOTES:

A. REFER TO LIGHTING CONTROL SCHEMATICS AND LIGHTING CIRCUIT SCHEDULES ON E-5.0 SERIES DRAWINGS.

FIXTURE TYPE	FIXTURE BASIS OF DESIGN	ALTERNATE MANUFACTURERS	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MIN LUMEN OUTPUT	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAX WATTAGE	MOUNTING METHOD	TYPE COMMENTS
02 EXTERIOR												
D40	JUNO WF6	APPROVED EQUALS	RECESSED WAFER MODULE DOWN LIGHT, ROUND, WET LOCATION RATED, FINISH SELECTED BY OWNER, 6" DIAMETER	LED	STANDARD	1070 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	14 VA	CEILING RECESSED	
G10	HYDREL TIERRA IGF4	APPROVED EQUAL	IN-GRADE LED FIXTURE, P2 PERFORMANCE PACKAGE, WALL WASH DISTRIBUTION, WET LOCATION RATED, FINISH SELECTED BY OWNER, 4" DIAMETER	LED	STANDARD	570 lm	2700 K	LED DRIVER WITH 0-10V DIMMING	120 V	10 VA	GROUND MOUNTED	
W20	LUMENFACADE NANO	APPROVED EQUALS	FACADE LIGHT, WET LOCATION RATED, ASYMMETRIC WALLWASH DISTRIBUTION, 6" EXTENDED ARM MOUNTING BRACKET, FINISH SELECTED BY OWNER, 2" WIDE x 2' LONG	LED	STANDARD	700 lm	2700 K	LED DRIVER	120 V	8 VA	SURFACE MOUNTED	REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION

LIGHTING FIXTURE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A10 r	2'x4' RECESSED TROFFER	G10 r	CYLINDRICAL PENDANT
A20 r	2'x2' RECESSED TROFFER	T20 T10 r	TRACK W/ TRACK HEAD
A30 r	1'x4' RECESSED TROFFER	H10 r	RECTANGULAR HIGH BAY
C10 r	LINEAR PENDANT	E10	DUAL HEAD EMERGENCY FIXTURE
D10 r	RECESSED DOWNLIGHT	X10	EXIT SIGN

LIGHTING FIXTURE TAGS

1. CAPITAL LETTER WITH NUMBER DENOTES FIXTURE TYPE - REFER TO LIGHTING FIXTURE SCHEDULE
2. SMALL LETTER DENOTES SWITCH LEG/RELAY NUMBER - REFER TO E-1.0 SERIES SHEETS FOR TYPICAL ROOM LAYOUTS.

EMERGENCY LIGHTING FIXTURES

1. FIXTURES DENOTED WITH GRAY FILLED IN AREA SHALL PROVIDE EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER.
2. FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING.
3. EXIT SIGN:
   - SHADED AREA DENOTES FACE
   - ARROW DENOTES ARROW DIRECTION
   - WHEN ON WALL, MOUNT NO HIGHER THAN 6" ABOVE TOP OF NEAREST DOORWAY

LIGHTING CONTROL SYMBOL LEGEND

OCCUPANCY/VACANCY SENSOR

X INDICATES SENSOR TYPE OR SPECIAL NOTE. IF OMITTED, SENSOR IS DUAL FUNCTION OCCUPANCY/VACANCY SENSOR.

STEM INDICATES WALL MOUNTED AT 10'-0" AFF UNO

SENSOR TYPES

HB	HIGH BAY
O	OCCUPANCY ONLY
V	VACANCY ONLY

WALL CONTROL STATION

SX INDICATES CONTROL STATION TYPE OR SPECIAL NOTE. IF OMITTED, CONTROL STATION IS SINGLE POLE SWITCH.

a/b/c INDICATES ZONE OF CONTROL. REFER TO DRAWINGS.

LIGHTING SWITCH

 # OF "S" INDICATES NUMBER OF SWITCHES

CONTROL STATION TYPES

3	3 WAY
4	4 WAY
CS1	CONTROL STATION - ON/OFF/DIM
K	KEYED SWITCH
OS1	OCCUPANCY SENSOR
OS2	OCCUPANCY SENSOR - 2 POLE
OSD	OCCUPANCY SENSOR - DIMMING
T	TIMER SWITCH

MECHANICAL CONTROLS LEGEND

EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR MECHANICAL CONTROL DEVICES. REFER TO M-SERIES DRAWING SHEETS FOR EXACT LOCATIONS AND DETAILS.

XX INDICATES DEVICE DESIGNATION

C	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
H	HUMIDITY SENSOR
S	BAS SPACE TEMPERATURE SENSOR
T	THERMOSTAT
TH	COMBINATION THERMOSTAT / HUMIDITY SENSOR
V	VOC SENSOR

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SAMUEL H. BOHMAN 062-077877 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Date Signed: 06-04-2026
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SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.621.6122

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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL LIGHTING AND EQUIPMENT LEGENDS

SFGM - CRAZY BUS

SHEET NO.
4-E-0.1

2025122.01

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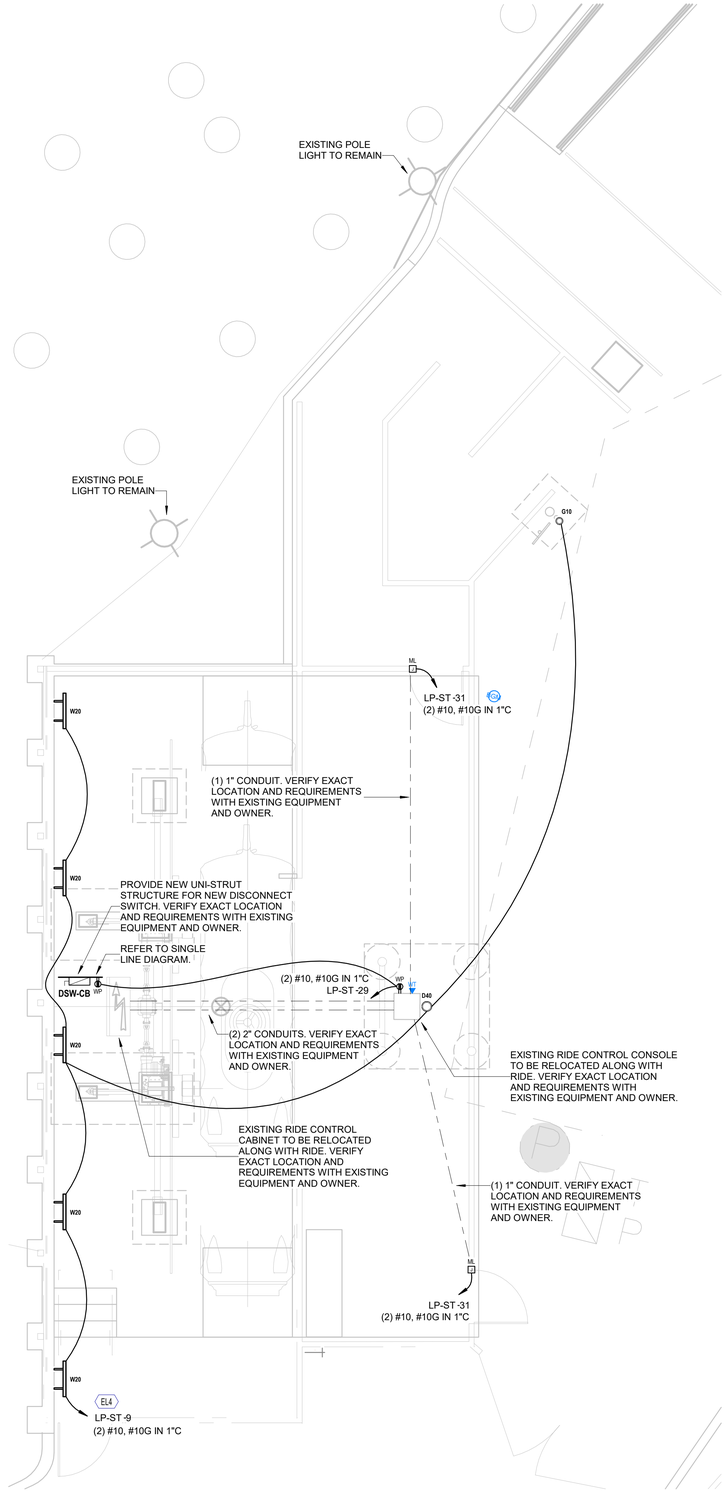
1" REFERENCE LINE



1 CRAZY BUS ELECTRICAL PLAN
4-E-1.0 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

C. EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF MECHANICAL CONTROL DEVICES. REFER TO MECHANICAL CONTROLS LEGEND FOR DEVICE DESIGNATION. REFER TO M-SERIES SHEETS FOR EXACT LOCATIONS AND DETAILS FOR EACH DEVICE.

D. EC SHALL BE RESPONSIBLE FOR TECHNOLOGY ROUGH-IN LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

KEYNOTES

EL4 WIRE THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 1/2-E-1.6 FOR ADDITIONAL INFORMATION. VERIFY EXACT REQUIREMENTS WITH OWNER.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS

Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.2112

SCALE: As indicated
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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SINGLE LINE DIAGRAM SYMBOL LEGEND

GENERAL NOTES:

1. SYMBOLS IN THIS LEGEND MAY NOT ALL APPEAR IN THE DRAWINGS.
2. NOT ALL EQUIPMENT OPTIONS AND REQUIREMENTS ARE INDICATED ON THE SINGLE LINE DIAGRAM.
3. REFER TO DIV. 26 SPECIFICATION SECTIONS FOR DETAILED REQUIREMENTS FOR ELECTRICAL DISTRIBUTION INFRASTRUCTURE.
4. INFORMATION ABOUT EXISTING EQUIPMENT IS BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.
5. EXISTING FEEDER CONDUCTORS ARE ASSUMED TO BE COPPER.
6. ALL EQUIPMENT OUTSIDE OF "NEW WORK" SCOPE BOXES IS FOR REFERENCE ONLY.

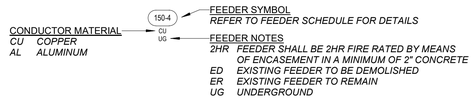
OPTIONS AND ABBREVIATIONS:

2N	200% NEUTRAL
FTL	FEED THRU LUGS
GF	GROUND FAULT PROTECTION
PLP	PHASE LOSS PROTECTION
SE	SERVICE ENTRY RATED
SM	INTEGRAL MAINS SUBMETERING
SPD	INTEGRAL SURGE PROTECTION DEVICE
ST	SHUNT TRIP MAIN BREAKER
UM	UTILITY METERING

GENERIC SYMBOLS

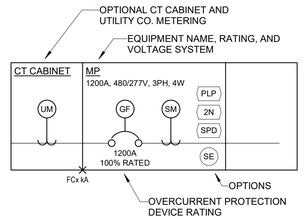
20A 1P	CIRCUIT BREAKER *TRIP RATING* *NUMBER OF POLES*	20A 1P	SWITCH *SWITCH RATING* *NUMBER OF POLES*
FCx kA	CALCULATED FAULT CURRENT POINT	20A	FUSE *TRIP RATING*
M	ELECTRICAL METER		EQUIPMENT GROUND
	ELECTRIC MOTOR	G	ELECTRIC GENERATOR

FEEDER SYMBOL

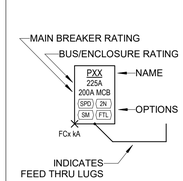


SPECIFIC EQUIPMENT

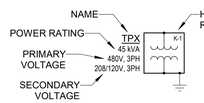
SWITCHBOARD / DISTRIBUTION PANELBOARD



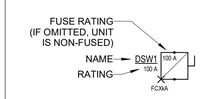
PANELBOARD



DISTRIBUTION TRANSFORMER



DISCONNECT SWITCH



FEEDER SCHEDULE

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	EGC SIZE	CONDUIT SIZE
30-2	CU	1	2	#10	#10	3/4"
50-3VD	CU	1	3	#4	#6	3/4"
125-3	CU	1	3	#1	#6	1 1/4"
150-3	CU	1	3	#1/0	#6	1 1/2"
800-4	CU	2	4	600 KCMIL	#1/0	3 1/2"
1200-4	CU	3	4	600 KCMIL	#3/0	3 1/2"

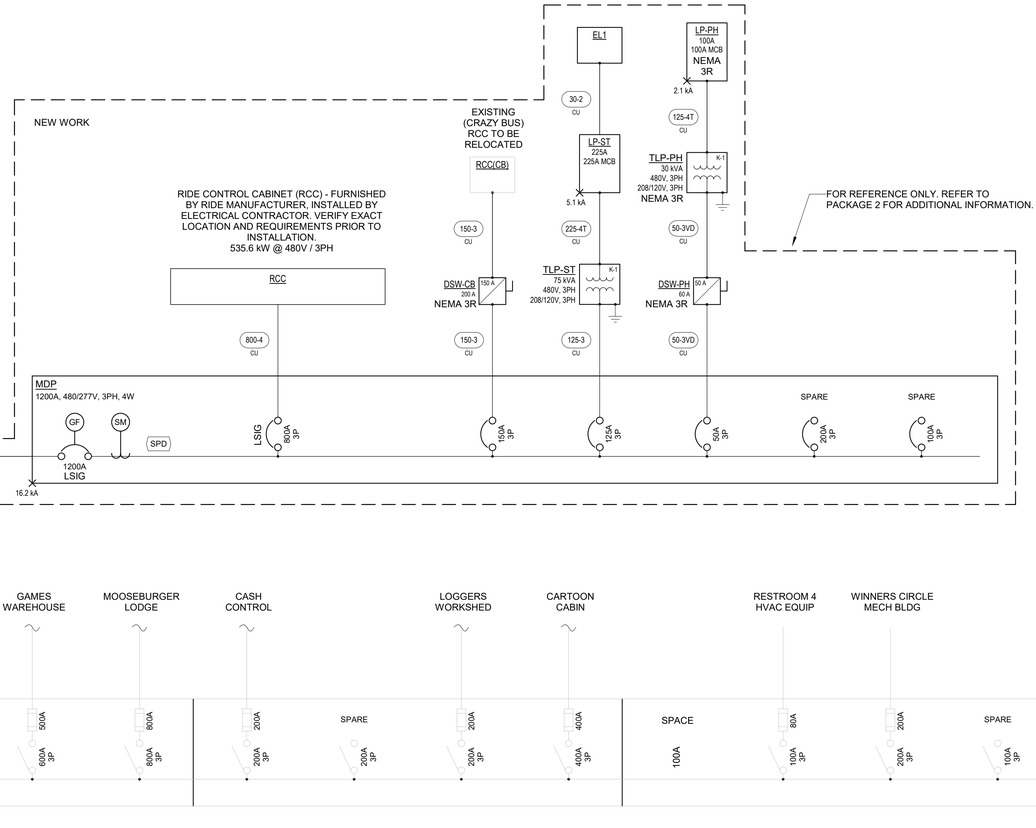
TRANSFORMER FEEDER AND GROUNDING SCHEDULE

NOTES:

1. REFER TO TRANSFORMER GROUNDING DETAIL FOR ADDITIONAL INFORMATION.
2. SUPPLY SIDE BONDING JUMPER (SSBJ) SHALL BE PULLED IN EACH SET OF PARALLLEL CONDUITS.

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	SSBJ SIZE	CONDUIT SIZE	GEC SIZE	SBJ SIZE
125-4T	CU	1	4	#1	#6	1 1/2"	#6	#6
225-4T	CU	1	4	#4/0	#2	2 1/2"	#2	#2

KEYNOTES



SPECIAL NOTES - SINGLE LINE DIAGRAM

A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE ARC FLASH STUDY WITH ALL AFFECTED AND NEW ELECTRICAL EQUIPMENT BEING LABELED. VERIFY EXACT REQUIREMENTS WITH OWNER.

1 SINGLE LINE DIAGRAM - CRAZY BUS
4-E-6.0

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-077877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 400
CINCINNATI, OHIO 45202 513.621.2122

SCALE: As indicated
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DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8827 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL SINGLE LINE DIAGRAM
SFGM - CRAZY BUS

SHEET NO.
4-E-6.0

2025122.01

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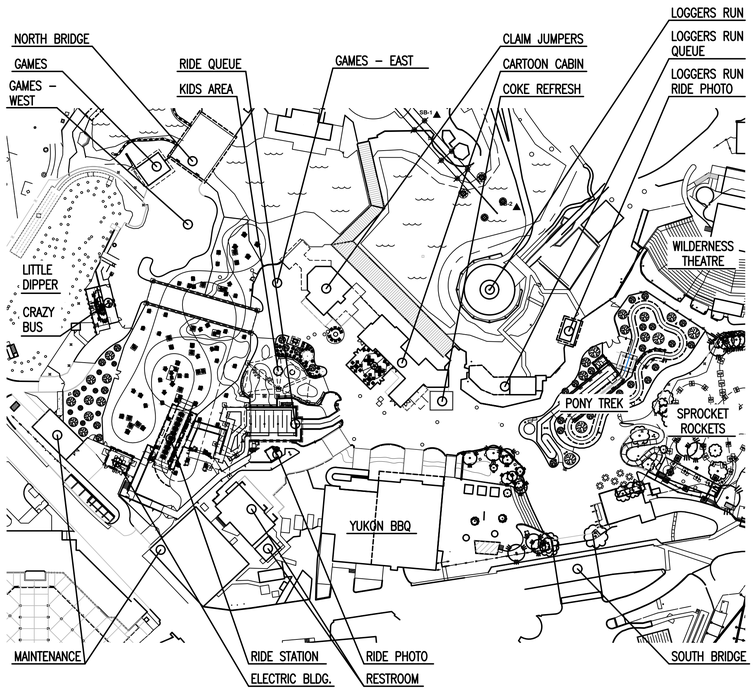

SITE PLAN
SCALE: NOT TO SCALE

NORTH

LOCATION PLAN
SCALE: NOT TO SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – KIDS AREA AND MIDWAY**
PROJECT DESCRIPTION:	CONSTRUCTION OF KIDS PLAY AREA, CABANA'S, AND GENERAL MIDWAY DEVELOPMENT
LOCATION:	SIX FLAGS GREAT AMERICA, 1 GREAT AMERICA PARKWAY GURNEE, ILLINOIS 60031
BUILDING CODE:	2024 ILLINOIS ENERGY CONSERVATION CODE 2023 ILLINOIS STRETCH ENERGY CODE 2024 INTERNATIONAL BUILDING CODE 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2015 INTERNATIONAL PLUMBING CODE
SPRINKLERED:	NON SPRINKLERED
PRIMARY USE CLASS:	A-3, ASSEMBLY
CONSTRUCTION TYPE:	V-B, COMBUSTIBLE, UNPROTECTED
ALLOWABLE BUILDING HEIGHT:	40 FEET
ALLOWABLE BUILDING STORIES:	1 STORY
ALLOWABLE BUILDING AREA:	6,000 SF

KIDS PLAY AREA:

ACTUAL BUILDING HEIGHT:	17'-0" FEET
ACTUAL BUILDING STORIES:	1 STORY
ACTUAL BUILDING AREA:	4,059 SF TOTAL – 1,515 SF COVERED
OCCUPANT LOAD:	ASSEMBLY – STANDING SPACE (5SF NET) 1,515 SF / 5 SF (PER PERSON) = 303 OCC. TOTAL

CABANAS:

ACTUAL BUILDING HEIGHT:	11'-1" FEET
ACTUAL BUILDING STORIES:	1 STORY
ACTUAL BUILDING AREA:	168 SF (PER CABANA) x 6 = 1,008 SF TOTAL
OCCUPANT LOAD:	ASSEMBLY WITH FIXED SEATING 9 SEATS PER CABANA x 6 = 54 OCC. TOTAL

REQUIRED RESTROOMS: EXISTING ACCESSIBLE RESTROOMS ARE PROVIDED WITHIN 500 FEET PER SECTION 2902.3.3. REFER TO SHEET AC-1.0 FOR RESTROOM INFORMATION. THE EXISTING RESTROOMS ARE ON AN ACCESSIBLE ROUTE. NO ADDITIONAL OCCUPANTS ARE BEING ADDED TO THE FACILITY. EXISTING QUEUE AND SERVING AREAS ARE BEING MOVED INDOORS FOR BETTER SERVICE AND COMFORT. ADDITIONAL RESTROOM CAPACITY IS NOT REQUIRED.

NOTE: THE FOLLOWING COMPONENTS ARE TO BE APPROVED AS DEFERRED SUBMITTALS:

- MULTI-POINT HYPAR SAILS

DRAWING INDEX

CIVIL ENGINEERING

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	5-C-0.0	GENERAL NOTES AND SYMBOLS
06-05-26	5-C-0.1	EXISTING CONDITIONS PLAN
06-05-26	5-C-1.0	OVERALL SITE PLAN
06-05-26	5-C-1.1	SITE PLAN – WEST
06-05-26	5-C-1.2	SITE PLAN – EAST
06-05-26	5-C-1.3	GRADING PLAN – WEST
06-05-26	5-C-1.4	GRADING PLAN – EAST
06-05-26	5-C-1.5	KIDS AREA SITE AND GRADING PLAN
06-05-26	5-C-2.0	DETAIL SHEET

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	CVR	COVER SHEET
06-05-26	AC-1.0	SITE ACCESSIBILITY
06-05-26	AC-1.1	SITE ACCESSIBILITY
06-05-26	A-0.1	GENERAL NOTES AND ABBREVIATIONS
06-05-26	A-1.0	SITE PLAN
06-05-26	A-1.1	ENLARGED SITE PLAN – WEST
06-05-26	A-1.2	ENLARGED SITE PLAN – EAST
06-05-26	A-1.3	ENLARGED SITE PLAN – KIDS AREA
06-05-26	A-1.4	ENLARGED SITE PLAN – SEATING AREAS
06-05-26	A-1.5	ENLARGED SITE PLAN – COVERED BRIDGE
06-05-26	A-1.6	SHADE STRUCTURE ROOF PLANS
06-05-26	A-2.1	SHADE ELEVATIONS

ELECTRICAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	5-E-0.0	ELECTRICAL LEGENDS
06-05-26	5-E-1.0	KIDS AREA ELECTRICAL PLAN
06-05-26	5-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

Six Flags GREAT AMERICA

SFGM - KIDS AREA AND MIDWAY

ARCHITECT

RSL COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

CIVIL ENGINEER

IMEG
4850 Grand Avenue
Gurnee, IL 60031
(847) 336-7100

ELECTRICAL ENGINEER

SHP
311 Elm Street, Suite 600
Cincinnati, OH 45202
(513) 381-2112

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

LICENSED ARCHITECT
EXPIRATION DATE 11-30-26
RICHARD STANLEY SLOAN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER 184004116

SFGM – KIDS AREA AND MIDWAY #225093-5

LEGEND

PROPOSED EXISTING

STORM MANHOLE	SURVEY BOUNDARY
STORM INLET	PROPERTY LINE
STORM INLET	CENTERLINE
STORM DOUBLE INLET	HISTORICAL LINE - AS NOTED
FLARED END SECTION	EASEMENT LINE
DOWNSPOUT	SECTION LINE
SANITARY MANHOLE	R.O.W. LINE
SANITARY/STORM CLEANOUT	SETBACK LINE
UNKNOWN MANHOLE	FORCE MAIN
WATER VALVE	SANITARY SEWER
HYDRANT	STORM SEWER
WELL	PIPE UNDERDRAIN
SPRINKLER HEAD	WATER LINE
SPRINKLER BOX	OVERHEAD ELECTRIC
WATER METER	UNDERGROUND ELECTRIC
WATER SERVICE	GAS LINE
POWER POLE	TELEVISION LINE
POWER POLE W/ LIGHT	TELEPHONE LINE
POWER POLE W/ METER	FIBER OPTIC CABLE
GUY WIRE	UTILITY LINE
GUY POLE	EDGE OF WATER LINE/DITCH FLOWLINE
ELECTRIC MANHOLE	CHAIN LINK FENCE
ELECTRIC PEDESTAL/TRANSFORMER	WIRE FENCE
ELECTRIC METER	WOOD FENCE
TELEPHONE POLE	SILT FENCE
TELEPHONE MANHOLE	GUARD RAIL
TELEPHONE PEDESTAL	CONTOUR
CABLE TV PEDESTAL	TREE LINE
UTILITY MANHOLE	TRACKS
UTILITY MARKER	FLOOD PLAIN
HANDHOLE	FLOODWAY
GAS VALVE	CONSTRUCTION LIMITS
GAS METER	TOPOGRAPHIC FEATURE AS NOTED
AIR CONDITIONING UNIT	ABANDONED WATER LINE
LIGHT POLE	
VAPOR LIGHT	
LIGHT JUNCTION BOX	
TRAFFIC SIGNAL	
TRAFFIC CANTILEVER	
TRAFFIC SIGNAL CONTROLLER	
MAIL BOX	
SIGN	
FLAGPOLE	
POST/BOLLARD	
CONIFER TREE	
DECIDUOUS TREE	
BUSH/SHRUB	
TREE STUMP	
CONTROL POINT	
BENCHMARK	
SOIL BORING HOLE	
R.O.W. MARKER, FOUND	
RAILROAD SPIKE, FOUND	
REBAR, FOUND	
CHISELED "X" IN CONCRETE, FOUND	
CHISELED "X" IN CONCRETE, SET	
REBAR WITH CAP #_____, FOUND	
5/8" REBAR WITH CAP #35-_____, SET	
1/2" SQ. PIN, FOUND	
P.K. NAIL, FOUND	
P.K. NAIL, SET	
PIPE, FOUND	
CONCRETE MONUMENT, FOUND	
SECTION CORNER	
100.00' MEASURED DIMENSION	
(100.00') RECORDED DIMENSION	
×100.00 SPOT ELEVATION	
TC=100.00 FL=100.00 GRADE LABEL	
1.0% DRAINAGE SLOPE	
LINE CONTINUATION	
CUT & CAP WATER LINE	

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RE-NOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.

2. THE FOLLOWING CODES AND STANDARDS, AS APPLICABLE, SHALL GOVERN CONSTRUCTION UNDER THIS CONTRACT:

   A. STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE HIGHWAY STANDARDS.

   B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO, HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS.

   C. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", LATEST EDITION AND ALL SUBSEQUENT REVISIONS THERETO.

   D. THESE "GENERAL NOTES".

   E. ILLINOIS URBAN MANUAL

4. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", STATE OF ILLINOIS, AND SECTION 107.14 OF THE HIGHWAY STANDARDS. BARRICADES AND OTHER REQUIRED TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

5. UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES. CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS. COORDINATE WITH OWNER IN REGARD TO ALL UTILITY LOCATES.

6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE IN HIS POSSESSION ALL REQUIRED PERMITS FOR THE CONSTRUCTION OF THIS PROJECT AS NECESSARY (E.G., ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, LAKE COUNTY HIGHWAY DEPARTMENT, RAILROADS, PUBLIC UTILITY COMPANIES, ETC.). THESE PERMITS WILL BE OBTAINED AS SPECIFIED IN THE "SPECIAL PROVISIONS".

7. ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY BITUMINOUS MATERIAL ON THAT STREET SEGMENT.

8. ALL PAVING OF BUTT JOINTS SHALL BE DONE AT THE SAME TIME AND SHALL BE DONE WITH A BITUMINOUS PAVING MACHINE.

9. THE CONTRACTOR SHALL PLACE WARNING SIGNS 48 HOURS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.

10. IF A PERIOD OF TEN CALENDAR DAYS ELAPSES AFTER THE PLACEMENT OF ANY BITUMINOUS COURSE, THE CONTRACTOR MAY BE REQUIRED TO PLACE ANOTHER PRIME COAT AT NO ADDITIONAL COST.

11. THE THICKNESS OF THE BITUMINOUS COURSES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE BITUMINOUS COURSE IS PLACED.

12. WHERE BITUMINOUS OVERLAYS ARE PLACED ON INTERSECTING STREETS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ALLOW A HOT JOINT BETWEEN THE TWO SURFACES; OR HE SHALL SAW CUT TO A MINIMUM DEPTH OF 1-1/2" TO PROVIDE A UNIFORM VERTICAL FACE AGAINST WHICH TO BUTT THE SUBSEQUENT SURFACE COURSE.

13. WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.

15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE. CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE

16. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT WILL BE ADJUSTED OR RECONSTRUCTED, SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE APPLICABLE UNIT PRICES.

17. THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. "DITCH CHECKS" AND/OR SILT FENCES, UNLESS OTHERWISE SPECIFIED, SHALL BE INSTALLED, IF NECESSARY, TO PREVENT EROSION. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

18. PLACEMENT OF TOPSOIL AND SEEDING OR SODDING SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

19. UTILITY SERVICES TO RESIDENTS OR BUSINESSES WHICH ARE INTERRUPTED BY CONSTRUCTION SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR SO THAT NO SERVICE IS INTERRUPTED FOR MORE THAN FOUR (4) HOURS. IF TEMPORARY SERVICE IS REQUIRED, THE EXPENSE FOR SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

20. THE EDGES OF ALL IMPROVED SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO RESTORATION. ANY SAW CUTTING OF PAVEMENT PATCHES, BUTT JOINTS, CONCRETE CURBS, SIDEWALKS, OR ANY OTHER AREAS NECESSARY TO COMPLETE THIS PROJECT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

21. MANHOLE RIM ELEVATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. THESE ELEVATIONS ARE FOR INFORMATION ONLY, AND FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATIONS

STORM SEWER

POLYVINYL CHLORIDE PIPE (PVC)

CONFORMING TO ASTM D-3034, TYPE PSM, FOR SIZES FOUR (4) THROUGH FIFTEEN (15) INCHES, AND ASTM F679 FOR SIZES EIGHTEEN (18) THROUGH THIRTY-SIX (36) INCHES, HAVING AN SDR OF 35, AND WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM D-3212 AND ASTM F-477.

CIVIL ENGINEER
IMEG CORPORATION
GURNEE OFFICE

PROFESSIONAL ENGINEER · HARLAN M. DOLAND 062-048891 · ILLINOIS

HARLAN M. DOLAND
ILLINOIS LICENSED PROFESSIONAL ENGINEER
NO. 062-048891
EXPIRATION DATE 11/30/27

TYPICAL CONSTRUCTION SEQUENCING

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
   A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
   B.) SILT FENCE INSTALLATION
   C.) STABILIZED CONSTRUCTION ENTRANCE
2. TREE/BRUSH REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. BEGIN SITE DEMOLITION
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL AND STOCKPILE TOPSOIL
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND THE TOE OF SLOPE)
7. BEGIN GRADING SITE
8. INSTALL UTILITIES (STORM SEWER, SANITARY, WATERMAIN, ETC)
9. TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
10. BEGIN CONSTRUCTION OF BUILDINGS/PARKING LOT.
11. PERMANENTLY STABILIZE AREAS AS THEY ARE BROUGHT TO FINAL GRADE.
12. REMOVE ALL TEMPORARY SE/SC MEASURES ONCE THE SITE IS FULLY STABILIZED WITH PERMANENT VEGETATION.
13. RESTORE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY SE/SC MEASURES.

** CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO PERFORM SOIL AND EROSION CONTROL INSPECTIONS/MAINTENANCE ONCE EVERY SEVEN CALENDAR DAYS AND AFTER EVERY 1/2 INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL EVENT.

SOIL EROSION/SEDIMENT CONTROL NOTES

A. SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE AN INSPECTOR, INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEAURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND THE HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DE-WATERING DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DE-WATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DE-WATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DE-WATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMER OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

SITE RESTORATION

ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AS FOLLOWS:

A) TOPSOIL PLACEMENT, 4", CONFORMING TO SECTION 211 OF THE HIGHWAY STANDARDS.
B) SEEDING, CLASS 1, CONFORMING TO SECTION 250 OF THE HIGHWAY STANDARDS.
C) MULCH, METHOD 2 OR 3, OR EROSION CONTROL BLANKET CONFORMING TO SECTION 251 OF THE HIGHWAY STANDARDS.

SCALE NTS
DATE 06-05-2016
DRAWN PJR
FILE #225033-5

REVISION | DESCRIPTION

IMEG
4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
www.imegcorp.com

Six Flags Entertainment Corporation

GENERAL NOTES AND SYMBOLS

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-C-0.0

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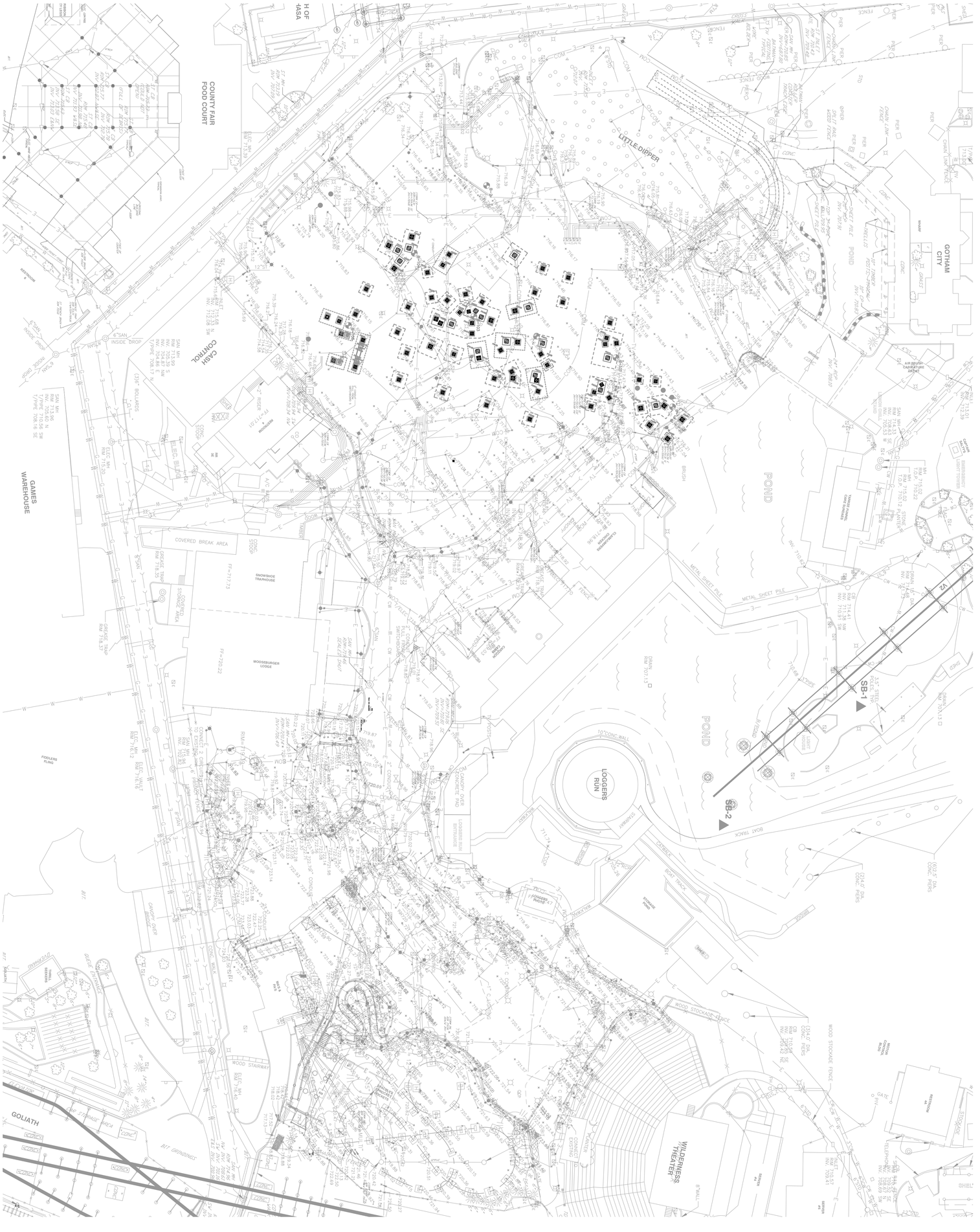

SCALE: 1" = 30'

30 15 0 30 60

PROFESSIONAL ENGINEER
ILLINOIS
ROLAND
062-048891

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EXISTING CONDITIONS PLAN

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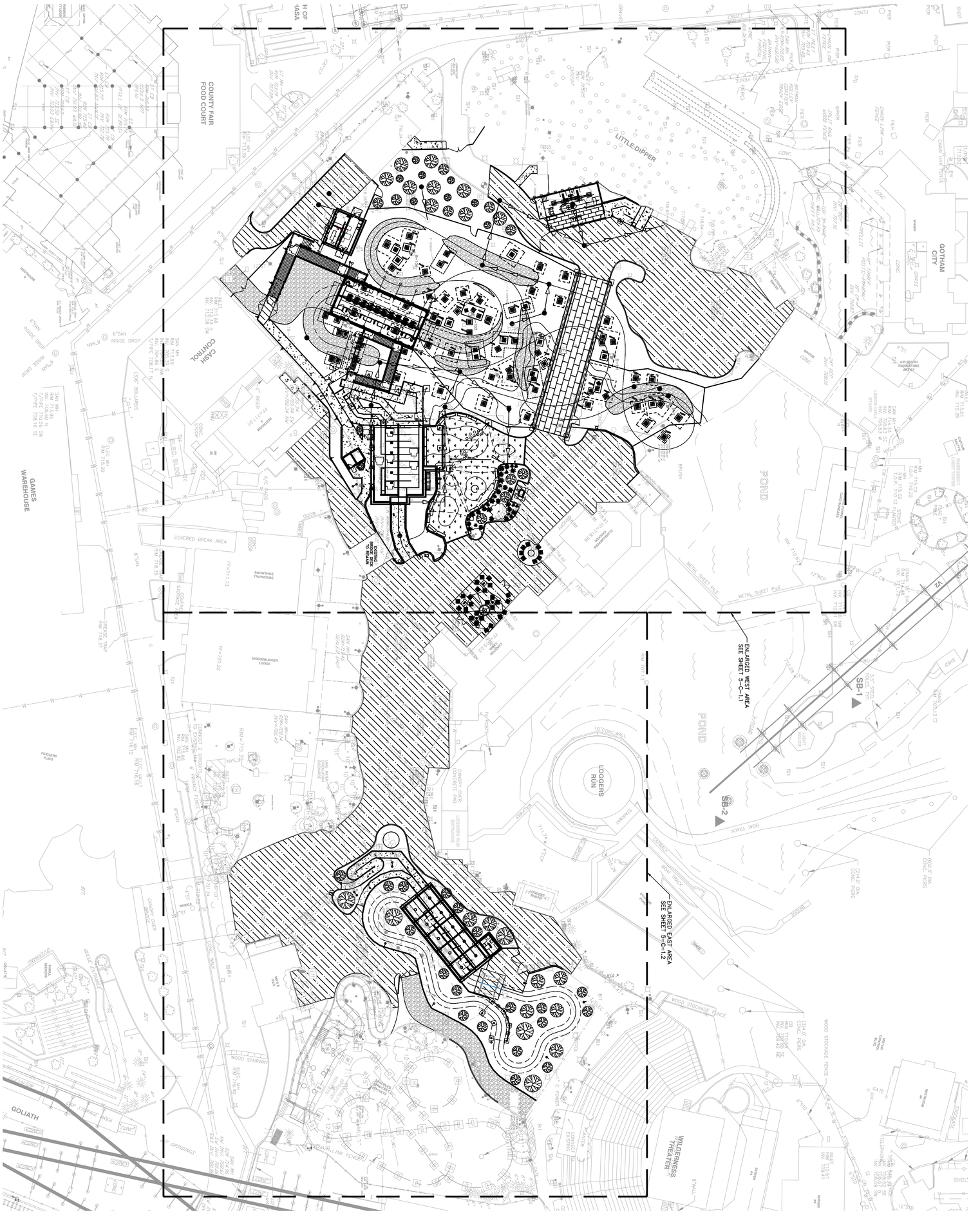

SCALE: 1" = 30'

30 15 0 30 60

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OVERALL SITE PLAN

SFGM -KIDS AREA AND MIDWAY

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REVISION	DESCRIPTION

SCALE	1"=30'
DATE	06-05-2016
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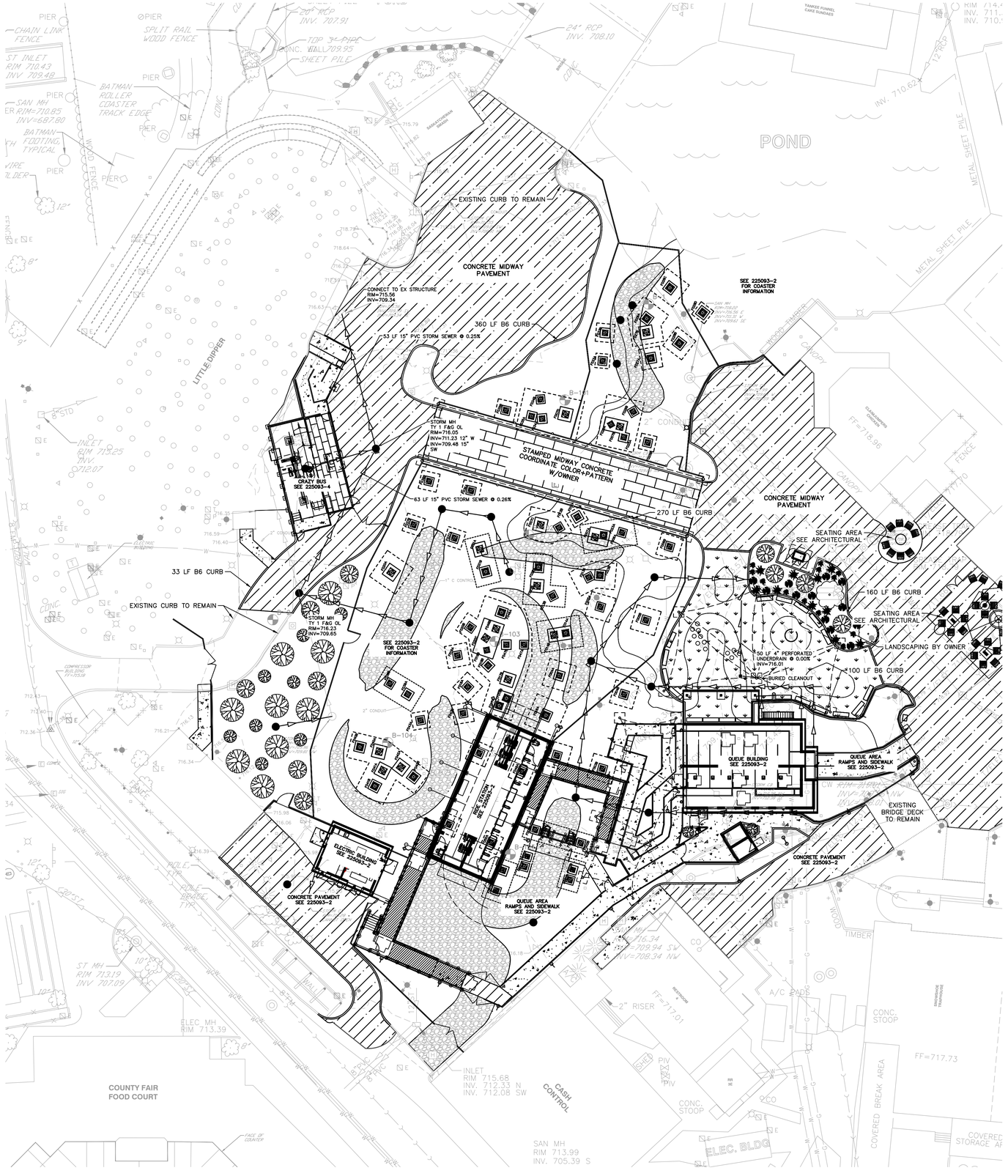
FILE	#125093-5

#125093-5



20 10 0 20 40

SCALE: 1" = 20'

LEGEND

CONCRETE MIDWAY PAVEMENT

STAMPED MIDWAY PAVEMENT

ARTIIFICIAL TURF

SCALE	1"=20'
DATE	06-05-2016
DRAWN	PJR
FILE	#225093-5

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SFGM - KIDS AREA AND MIDWAY

SITE PLAN - UE57

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5-C-1.1

PROFESSIONAL ENGINEER
HARLAN M. DOLAND
062-048891
ILLINOIS

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#225093-5

20 10 0 20 40

SCALE: 1" = 20'

LEGEND

- CONCRETE MIDWAY PAVEMENT
- STAMPED MIDWAY PAVEMENT
- ARTIIFICIAL TURF

HARLAN M. DOLAND 062-048891 PROFESSIONAL ENGINEER ILLINOIS

SCALE	1"=20'
DATE	06-05-2016
DRAWN	PJR
FILE	#225033-5

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SITE PLAN - EAST

SFGM - KIDS AREA AND MIDWAY

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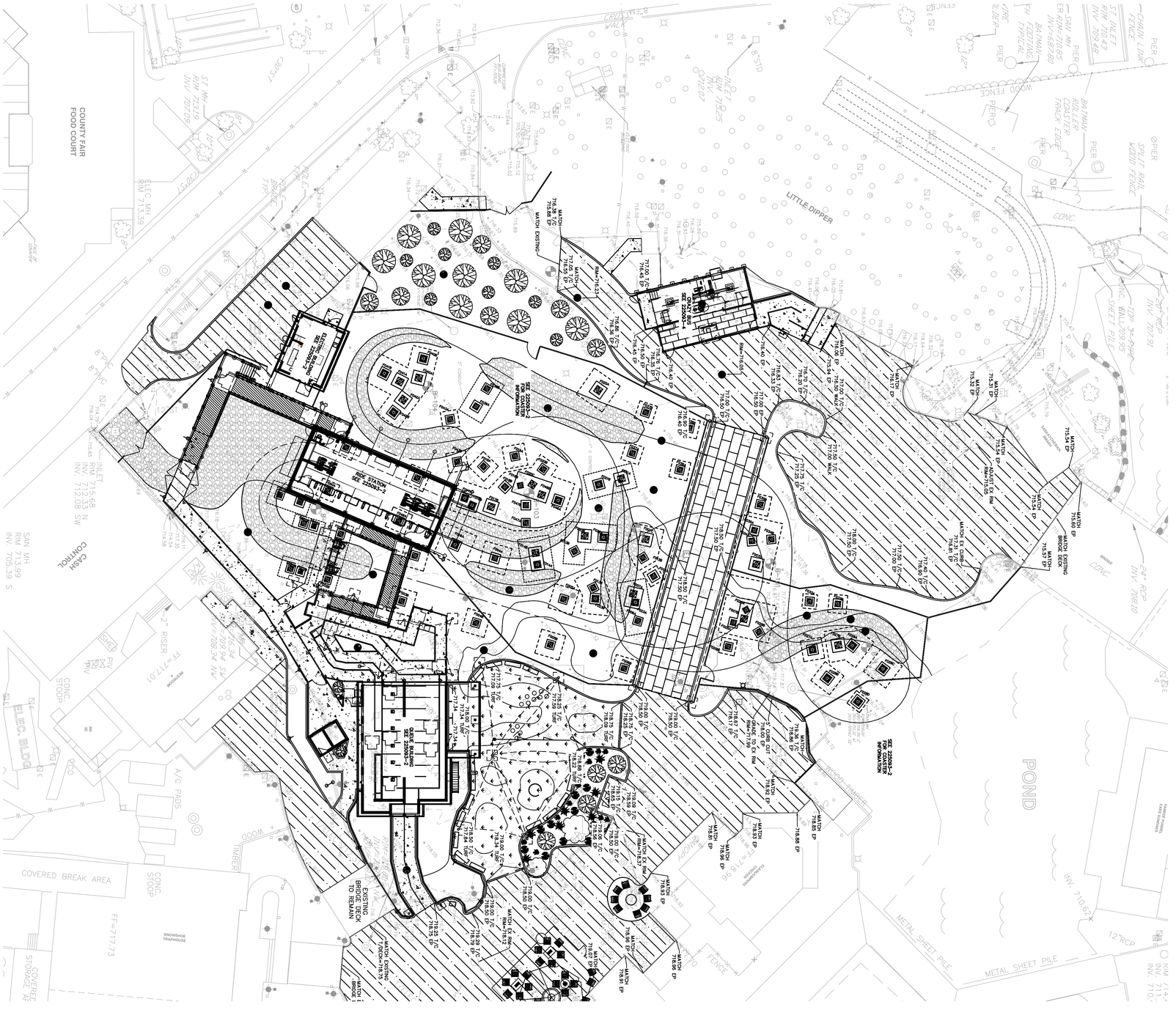

SCALE: 1" = 20'

20 10 0 20 40

PROFESSIONAL ENGINEER
MARK ANTHONY MORAN
062-048991
ILLINOIS

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GRADING PLAN - WEST

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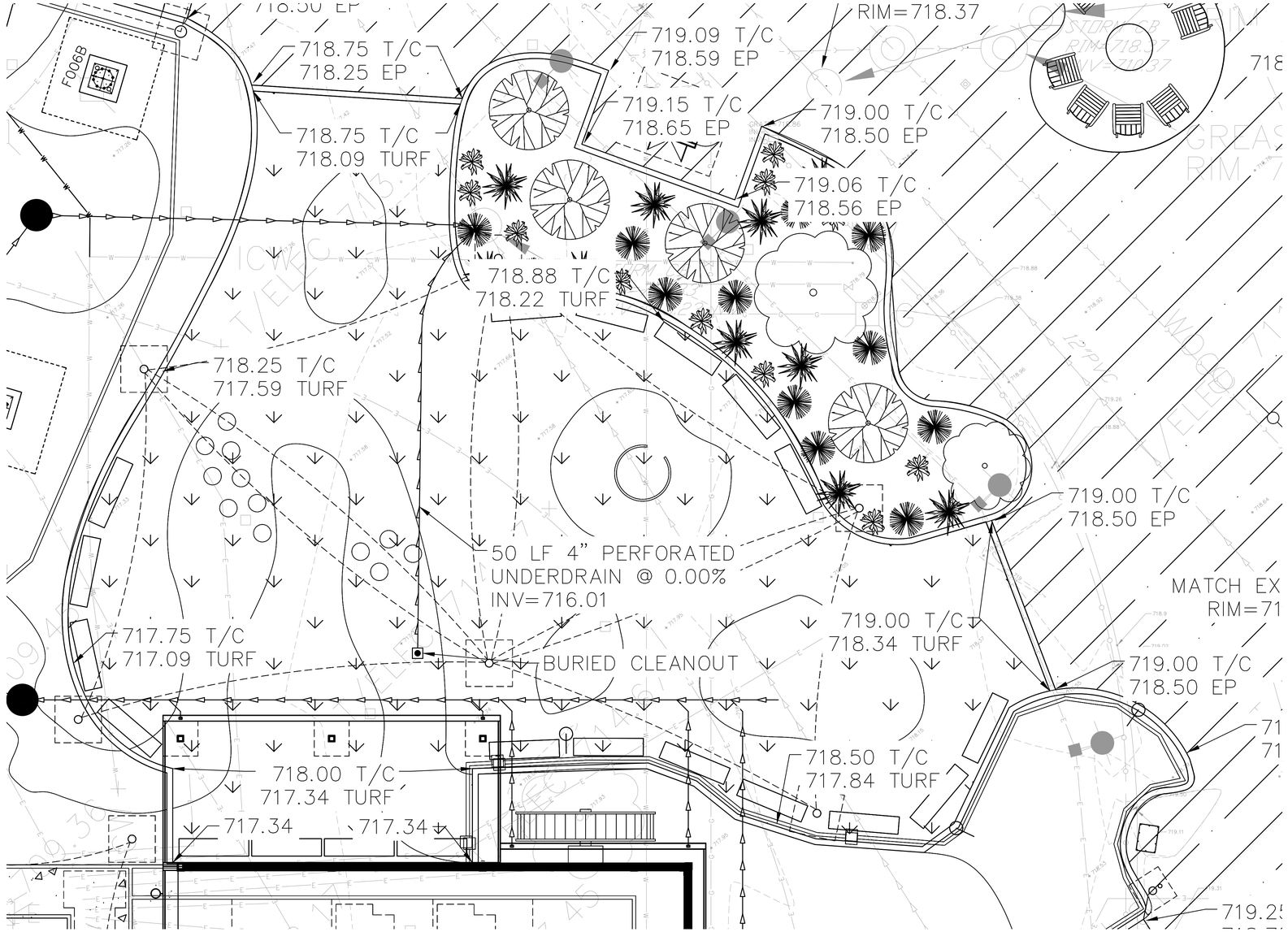
LOGGERS RUN
LOGGERS RUN ENTRANCE
CANOPY OVER CONCRETE PAD
WOOD STAIRWAY
CONNECT EXISTING
PLANTER
10"CONC. WALL
4"CONC. WALK
WALKWAY
STAIRWAY
RIDGE TOP
FF=720.22
FF=719.47
RIM 707.13
SAN MH RIM 716.40
SAN MH RIM 719.96 INV=702.58
SAN MH RIM 716.55 INV=702.43
SAN MH RIM 716.55 INV=700.55
SAN MH RIM 716.55 INV=700.55
ELEC. MH RIM 716.40
CONNECT 2 CIRCUITS TO EXISTING
INLET RIM 719.96 INV=716.96
INLET RIM 719.96 INV=716.96
INLET RIM 719.96 INV=716.96



5 2.5 0 5 10

SCALE: 1" = 5'

LEGEND

CONCRETE MIDWAY PAVEMENT

STAMPED MIDWAY PAVEMENT

ARTIIFICIAL TURF

GENERAL NOTES FOR TURF INSTALLATION:

1. TURF TO BE PROVIDED BY OWNER
2. PROPOSED GRADES SHOWN ARE 2" BELOW FINISHED GRADE AND OWNER WILL PROVIDE FINAL 2" OF INSTALLATION.
3. GRADE SUBGRADE TO DRAIN TO UNDERDRAIN

HARLAN M. DOLAND 062-048891 PROFESSIONAL ENGINEER ILLINOIS

SCALE 1"=5'
DATE 06-05-2016
DRAWN PJR
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KIDS AREA SITE AND GRADING PLAN

SFGM - KIDS AREA AND MIDWAY

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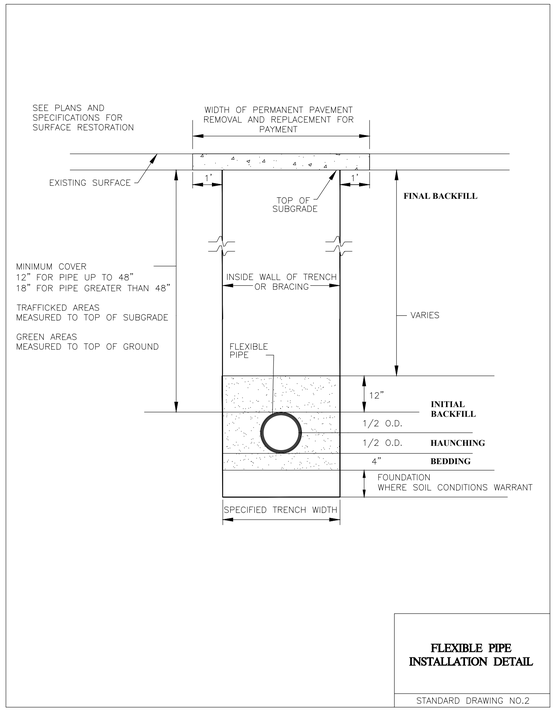
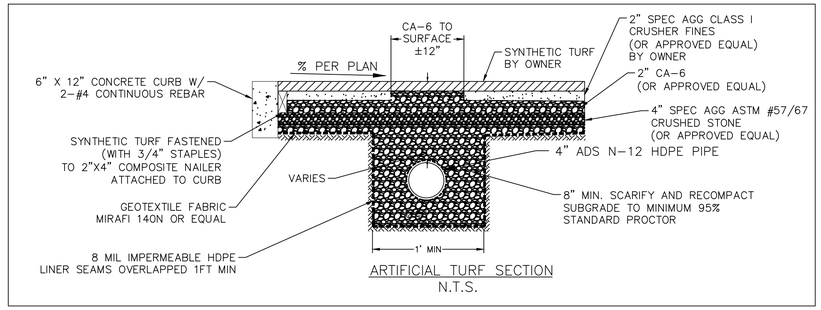
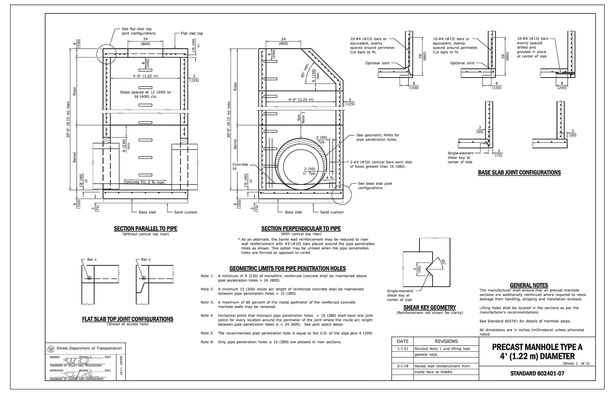


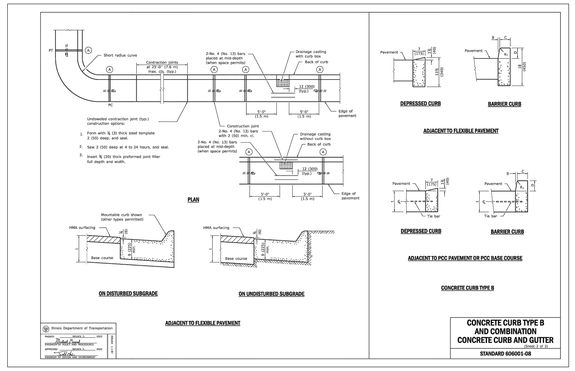
FLEXIBLE PIPE INSTALLATION DETAIL

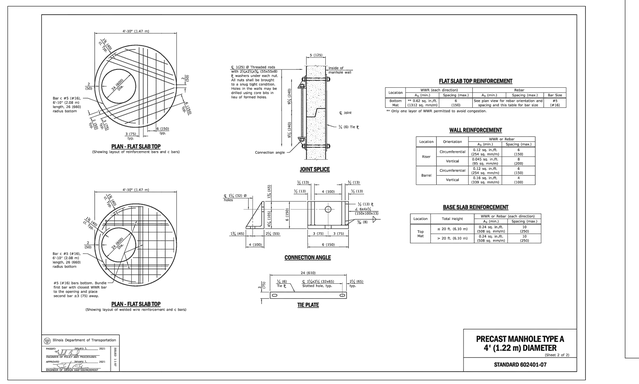
STANDARD DRAWING NO.2

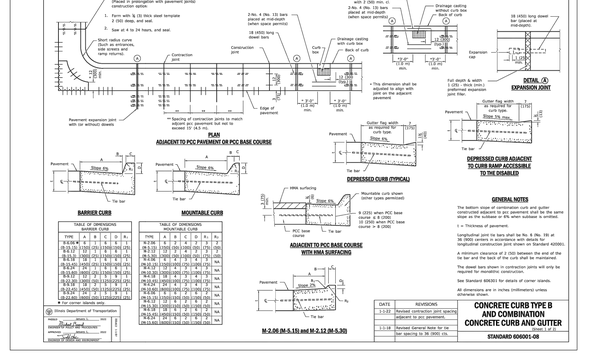


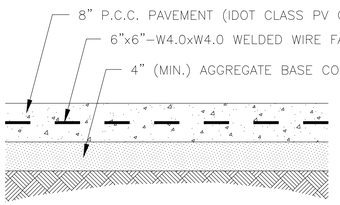
ARTIFICIAL TURF SECTION
N.T.S.



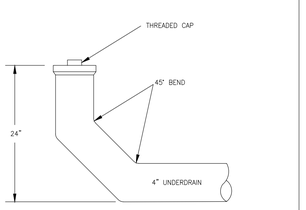




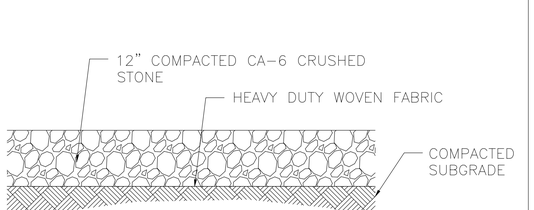




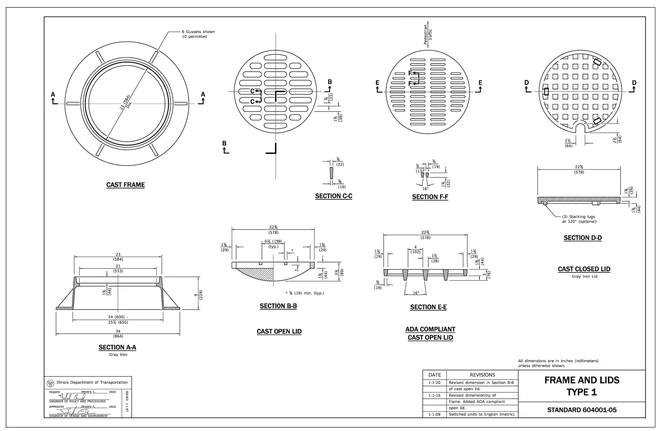
HEAVY DUTY CONCRETE PAVEMENT SECTION
N.T.S.

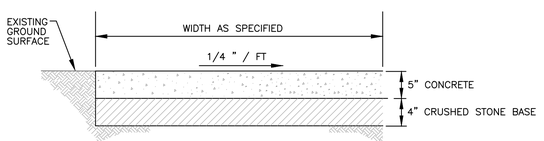


CLEAN OUT DETAIL
N.T.S.



COMPACTED GRAVEL SECTION
N.T.S.





GENERAL NOTES:

1. At locations where sidewalk is constructed at ramps and/or driveway entrances, the P.C.C. Sidewalk Section shall be thickened to 7" for the width of the ramp and/or driveway. This work shall be considered as incidental, and no additional compensation will be allowed.
2. Placing, finishing and curing of P.C.C. Sidewalk shall conform to applicable Sections of Standard Specifications for Road and Bridge Construction.
3. Slab contraction (control) joints shall be as follows:
   For 4' Sidewalk Width = 5' O.C. Joint Spacing
   5' Sidewalk Width = 5' O.C. Joint Spacing
   8' Sidewalk Width = 6' O.C. Joint Spacing
4. Expansion joints shall consist of preformed joint filler or thickness as follows:
   1/2 " between sidewalk and structures, standards, poles
   3/4 " at sidewalk intervals of not more than 50 feet.
5. If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.
6. Concrete shall be IDOT Class SI

HARLAN M. DOLAND 062-048891 ILLINOIS

STANDARD DUTY CONCRETE PAVEMENT DETAIL

N.T.S

REVISION	DESCRIPTION

SCALE NTS
DATE 06-05-2016
DRAWN PJR
FILE #25093-5

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4850 GRAND AVENUE
GURNEE, IL
60031
PH:847.336.7100
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DETAIL SHEET

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-C-2.0

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#25093-5

LAGOON

METAL SHEET PILE

METAL SHEET PILE

GAMES BUILDING

GAMES BUILDING

CLAIM JUMPERS

CARTOON CABIN

COKE REFRESH

SB-2

10"CONC. WALL

LOGGER'S RUN

LOGGER'S RUN RIDE PHOTO

LOGGER'S RUN QUEUE

GATE

PONY TREK
REFER TO 225Ø93 - 3

ACCESSIBLE PATH OF TRAVEL TO CLOSEST RESTROOM - 247' -8" +/-. REFER TO CIVIL DRAWINGS

KIDS AREA

RIDE STATION
REFER TO 225Ø93 - 2

RIDE QUEUE
REFER TO 225Ø93 - 2

ACCESSIBLE PATH OF TRAVEL TO CLOSEST RESTROOM - 429' -2" +/-. REFER TO CIVIL DRAWINGS

AC-1.1

RESTROOMS

YUKON BBQ PIT

MAW & PAW'S TRAIL GRUB

1 SITE ACCESSIBILITY PLAN
SCALE: 1/16" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
11-30-16
RICHARD S. LANDEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

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SCALE	VARIES
DATE	06-05-2016
DRAWN	BJK
FILE	#225Ø93-5

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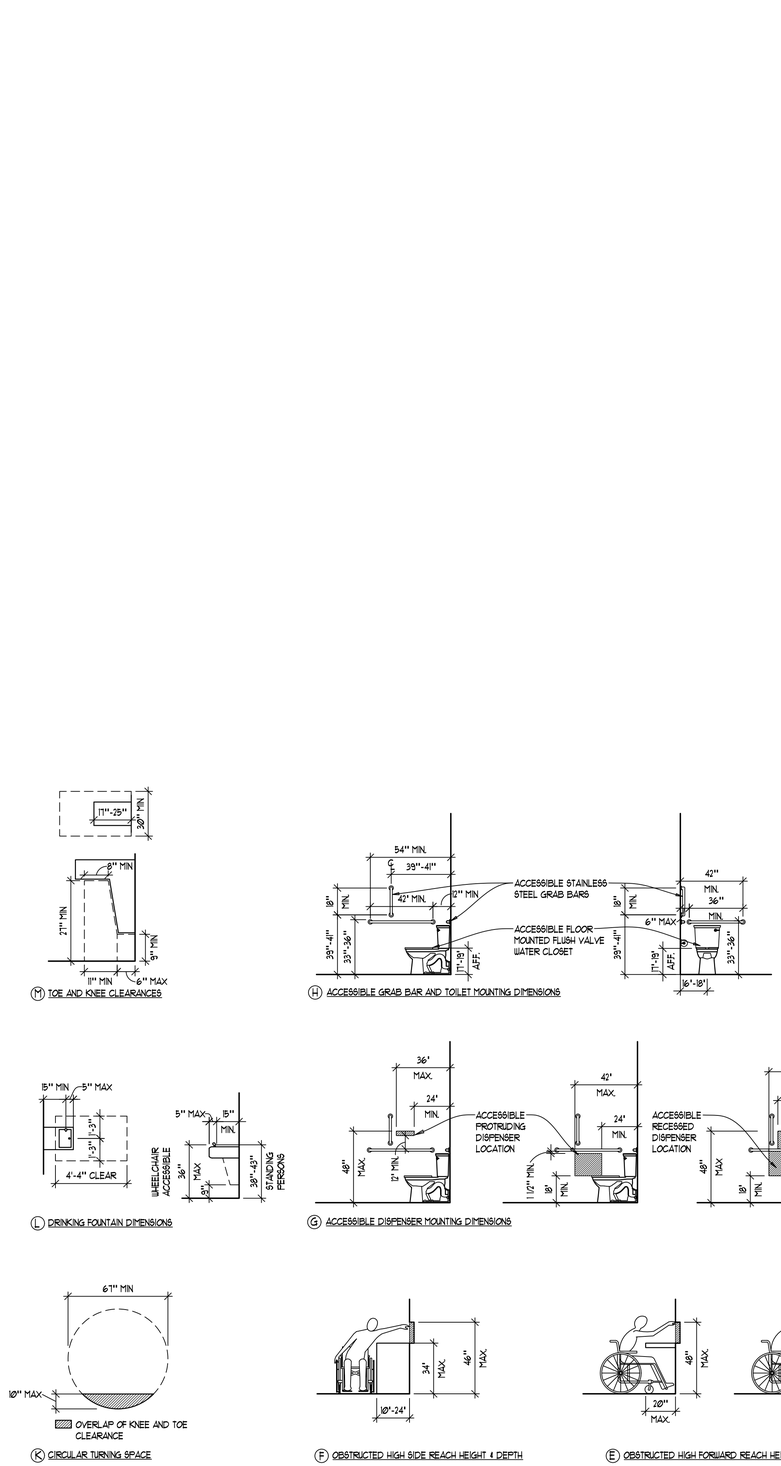
Six Flags Entertainment Corporation

SITE ACCESSIBILITY

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-AC-1.0

#225Ø93-5



(M) TOE AND KNEE CLEARANCES

(H) ACCESSIBLE GRAB BAR AND TOILET MOUNTING DIMENSIONS

(L) DRINKING FOUNTAIN DIMENSIONS

(G) ACCESSIBLE DISPENSER MOUNTING DIMENSIONS

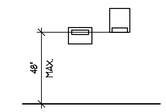
(K) CIRCULAR TURNING SPACE

(F) OBSTRUCTED HIGH SIDE REACH HEIGHT & DEPTH

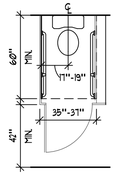
(E) OBSTRUCTED HIGH FORWARD REACH HEIGHT & DEPTH

2 ACCESSIBILITY STANDARDS

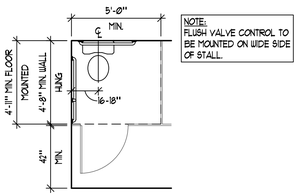
SCALE: 1/4" = 1'-0"



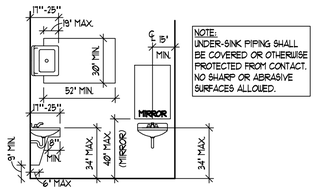
(D) ACCESSORY/DISPENSER REACH HEIGHT



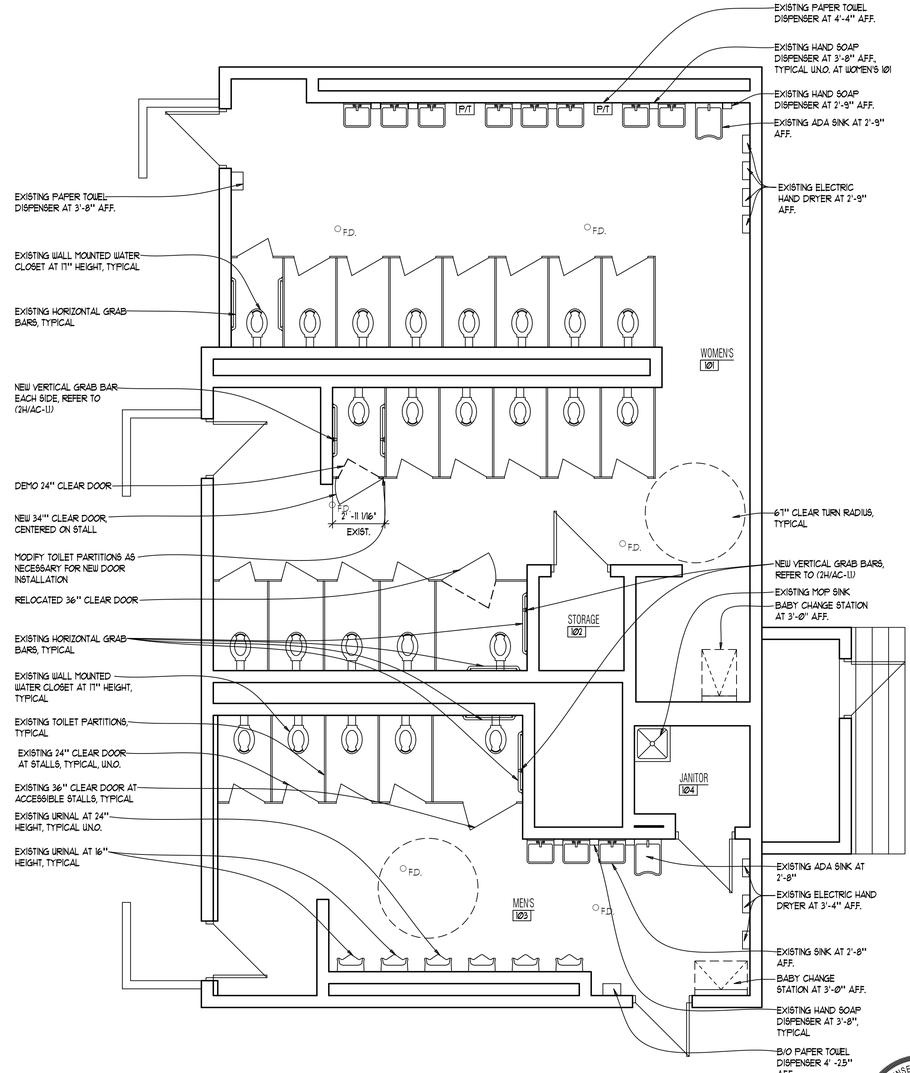
(C) AMBULATORY STALL DIMENSIONS



(B) ACCESSIBLE STALL DIMENSIONS



(A) RESTROOM SINK MOUNTING DIMENSIONS



1 RESTROOM PLAN

SCALE: 1/4" = 1'-0"

NORTH PLAN NORTH

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FILE	#125093-5

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SITE ACCESSIBILITY

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
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LICENSED ARCHITECT
EXPIRATION DATE
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RICHARD STANLEY SPARK
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
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ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICAN WITH DISABILITIES ACCESSIBILITY GUIDELINES
AFF	ABOVE FINISH FLOOR
ABV	ABOVE
ACCESS	ACCESSIBLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
AT	ACOUSTICAL CEILING TILE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
CL	CENTER LINE
CAB	CABINET
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CSWK	CASEWORK
CTR	CENTER
DEMO	DEMOLISH, DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DATUM POINT
DET	DETAIL
DWG(S)	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FC	FIXTURE CONTRACTOR
FEC	FIRE EXTINGUISHER CABINET
FO	FINISHED OPENING
FR	FIRE RATED
FRP	FIBERGLASS REINFORCED PANEL
FD	FLOOR DRAIN
FIG	FIGURE
FIN	FINISH
FL	FLOOR
FLUOR	FLUORESCENT
FRT	FIRE RETARDANT TREATED
FT	FOOT
GC	GC
GWB	GYPSUM WALL BOARD
GA	GAUGE
HDF	HIGH DENSITY FIBERBOARD
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
ICC	INTERNATIONAL CODE COUNCIL
INCAN	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATE, INSULATION
INT	INTERIOR
JST	JOIST
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
MDF	MEDIUM DENSITY FIBERBOARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PLYWD	PLYWOOD
R	RADIUS
RO	ROUGH OPENING
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ	REQUIRED
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE
SUSP	SUSPENDED
TEMP	TEMPERATURE
THRU	THROUGH
TO	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
WC	WATER CLOSET
WIC	WOOD INSTITUTE OF CALIFORNIA
WR	WATER RESISTANT
W/	WITH
W/O	WITHOUT
WD	WOOD

GENERAL NOTES

GENERAL:

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS, AND SERVICES TO PERFORM THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3. THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS. ALL PERMITS SHALL BE IN THE OWNER'S NAME.
4. THE CONTRACTOR SHALL ALLOW WORK BY OWNER AND COORDINATE WORK AS NECESSARY WITH WORK BY OWNER.
5. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONSULT ARCHITECT IMMEDIATELY IF DISCREPANCIES ARE FOUND IN EXISTING CONDITIONS.
6. THE CONTRACTOR SHALL STORE AND PROTECT ALL MATERIALS AS RECOMMENDED BY MANUFACTURER.
7. FINAL CLEAN UP SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

DRAWINGS:

1. DO NOT SCALE DRAWINGS.
2. ALL DIMENSIONS ARE FROM FACE OF STUDS OR MASONRY AT NEW CONSTRUCTION AND TO FINISHED FACE OF EXISTING CONSTRUCTION UNLESS INDICATED OTHERWISE.
3. CONTACT THE ARCHITECT IMMEDIATELY IF THE DRAWINGS CONTAIN INSUFFICIENT OR CONFLICTING INFORMATION. DEVIATION FROM THESE DRAWINGS WITHOUT ARCHITECT APPROVAL SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT.
4. THE CONTRACTOR SHALL EXAMINE DRAWINGS OF WORK TO BE PERFORMED BY OWNER FOR PURPOSES OF COORDINATING WORK WITH WORK BY OWNER.

CONSTRUCTION AND SAFETY:

1. CONTRACTOR SHALL BRACE CONSTRUCTION AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
3. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ARCHITECT IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF THE CONTRACTOR'S PERSONNEL OR SAFETY CONDITIONS.

SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-5

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513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
RICHARD S. LEIBOWITZ
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

GENERAL NOTES AND ABBREVIATIONS

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-0.1

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1 SITE PLAN
SCALE: 1/32" = 1'-0"

NORTH

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SCALE	VARIES
DATE	06-05-2016
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FILE	#225093-5

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Entertainment Corporation

SITE PLAN

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-1.0

LICENSED ARCHITECT
EXPIRATION DATE
11/30/16
RICHARD STEVEN LEWIS
STATE OF ILLINOIS

FIRM REGISTRATION NUMBER
184004116

#225093-5

BRIDGE

GAMES

LAGOON

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYPICAL

EDGE OF NEW PAVEMENT, REFER TO CIVIL DRAWINGS, TYPICAL

GAMES BUILDING, TBD

LITTLE DIPPER

CRAZY BUS
REFER TO 225033 - 4

1 A-15

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYPICAL

STAMPED CONCRETE PAVEMENT, REFER TO CIVIL DRAWINGS

GAMES BUILDING, TBD

CLAIM JUMPERS

2 A-14

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYPICAL

CARTOON CABIN

MATCH LINE

COASTER
REFER TO 225033 - 2

RIDE QUEUE
REFER TO 225033 - 2

1 A-14

1 A-13

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYPICAL

EDGE OF NEW PAVEMENT, REFER TO CIVIL DRAWINGS, TYPICAL

CONCRETE PAVEMENT AT MIDWAY, REFER TO CIVIL DRAWINGS, TYPICAL

MAINTENANCE

SERVICE DRIVE

CONCRETE PAVEMENT, REFER TO CIVIL DRAWINGS, TYPICAL

RESTROOMS

MAINTENANCE

YUKON BBQ PIT

1 ENLARGED SITE PLAN - WEST
SCALE: 1/16" = 1'-0"

NORTH

SCALE	VARIES
DATE	06-05-2016
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FILE	#225033-5

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ENLARGED SITE PLAN - WEST

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-1.1

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#225033-5

1 ENLARGED SITE PLAN - EAST
SCALE: 1/16" = 1'-0"

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EXPIRATION DATE
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FILE	#225093-5

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ENLARGED SITE PLAN - EAST

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-1.2

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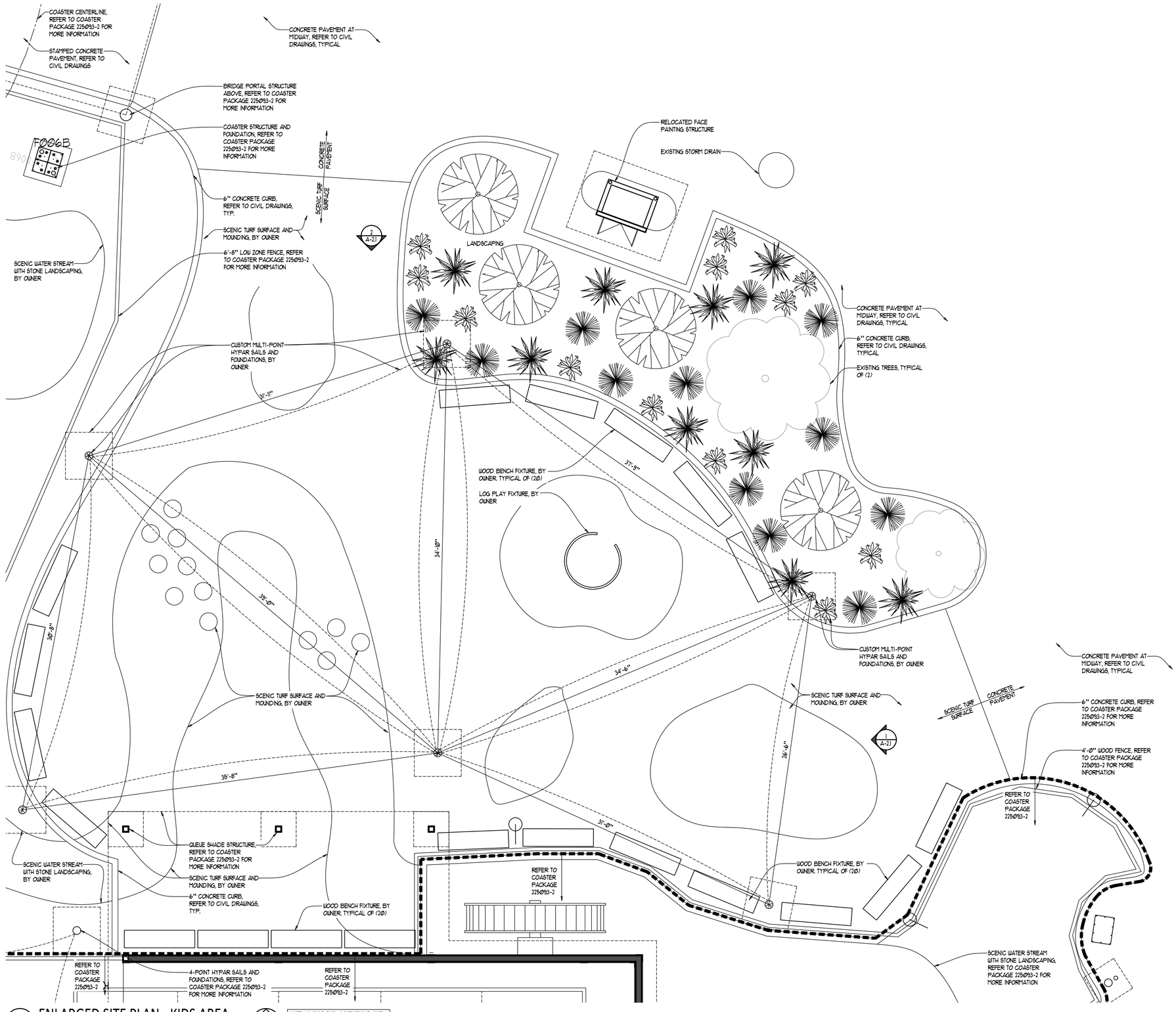

1 ENLARGED SITE PLAN - KIDS AREA
SCALE: 1/8" = 1'-0"

NORTH

NOTE: HYPAR SAIL DIMENSIONS ARE TO THE CENTERLINE OF THE POST, TYPICAL

SCALE	VARIES
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ENLARGED SITE PLAN - KIDS AREA

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-1.3

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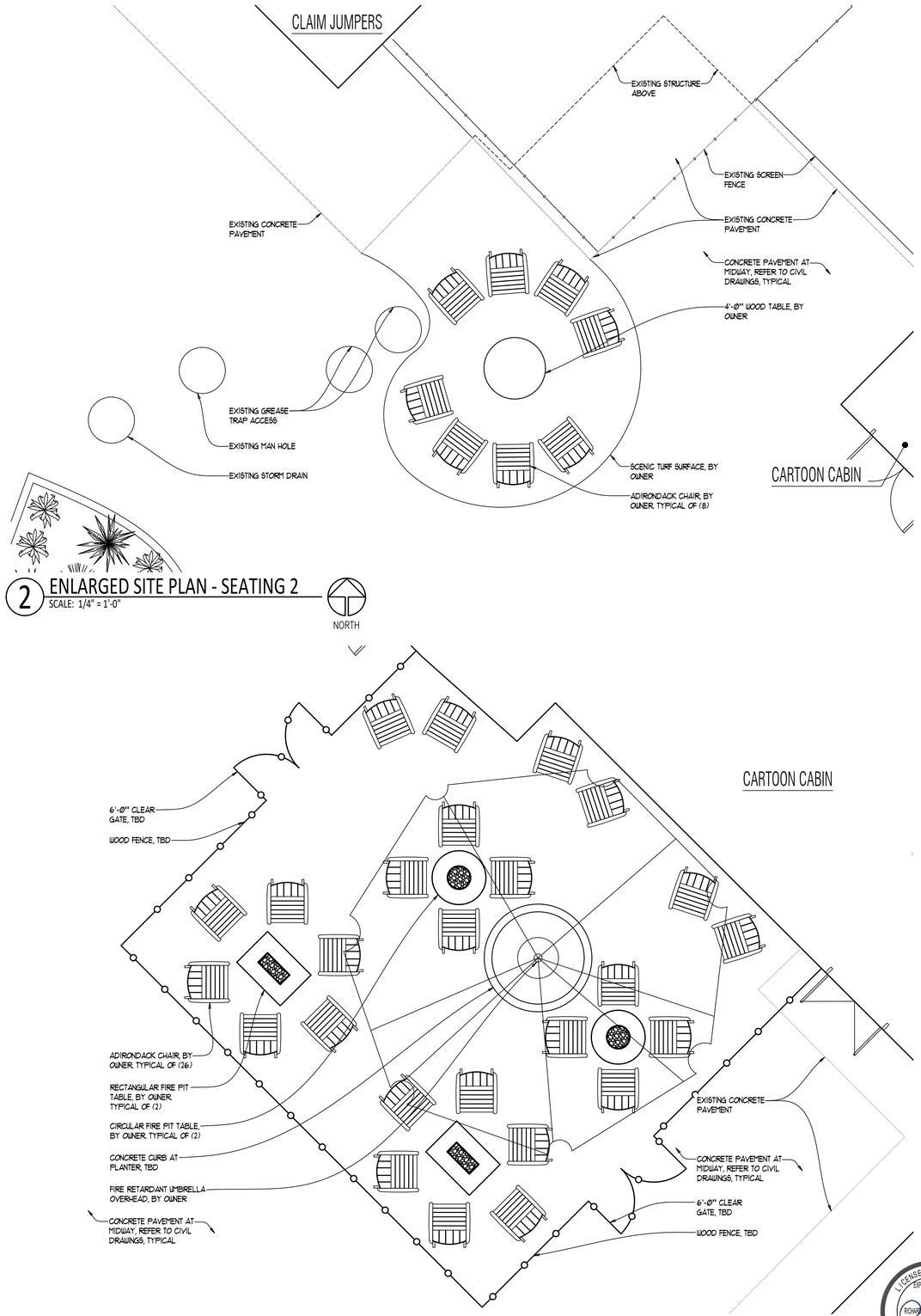

2 ENLARGED SITE PLAN - SEATING 2
SCALE: 1/4" = 1'-0"

1 ENLARGED SITE PLAN - SEATING 1
SCALE: 1/4" = 1'-0"

LICENSED ARCHITECT
EXPIRATION DATE
11-30-25
RICHARD STEVEN LARSEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
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SCALE	VARIES
DATE	06-05-2026
DRAWN	BJK
FILE	#125093-5

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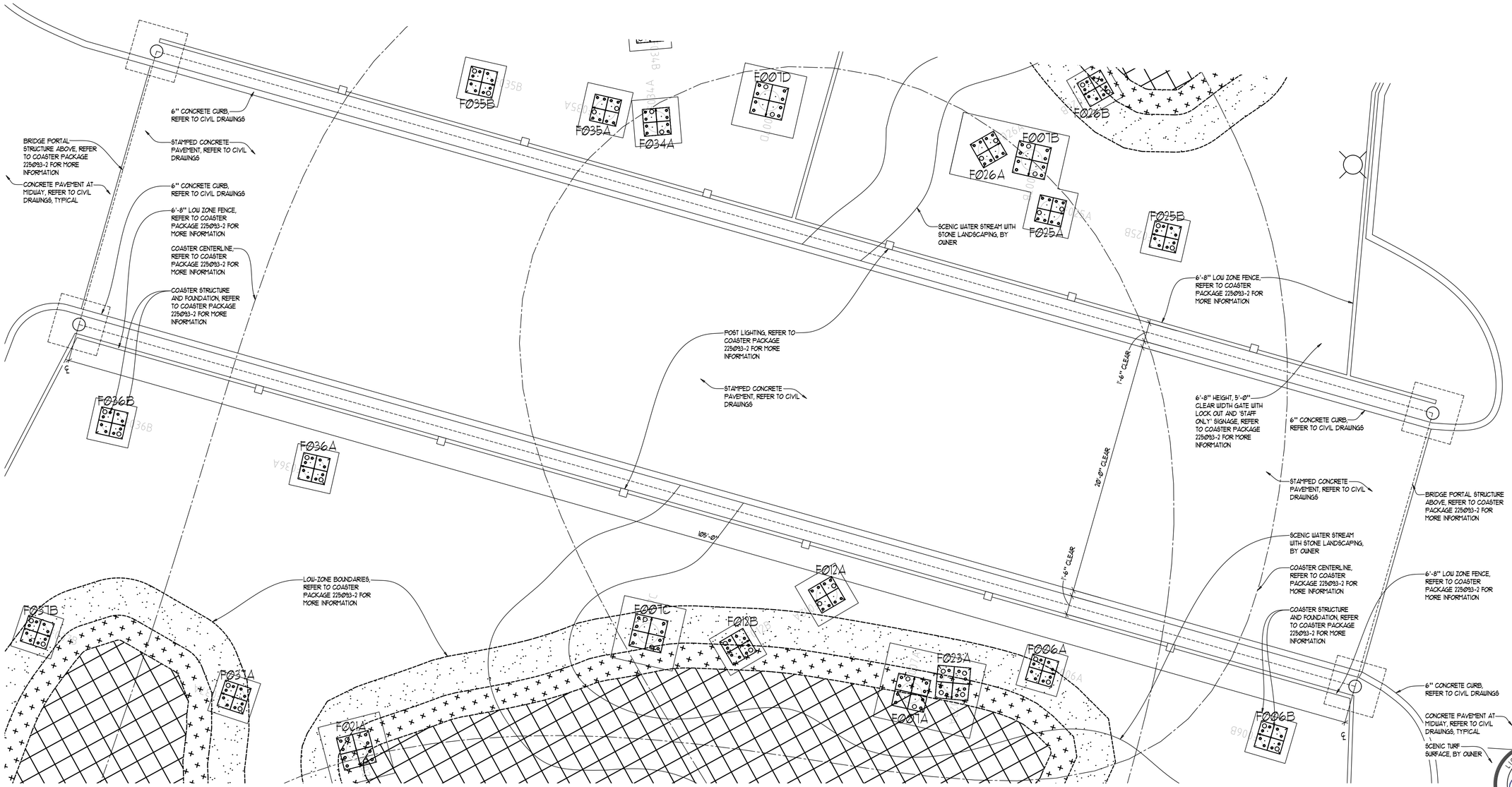
ENLARGED SITE PLAN - SEATING AREAS

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-A-1.4

#125093-5



3 ENLARGED SITE PLAN - COVERED BRIDGE

SCALE: 1/4" = 1'-0"

NORTH

REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2026
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ENLARGED SITE PLAN - COVERED BRIDGE

SFGM - KIDS AREA AND MIDWAY

SHEET NO.

5-A-1.5

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1 SHADE STRUCTURE ROOF PLAN - KIDS AREA
SCALE: 1/4" = 1'-0"

NORTH

LICENSED ARCHITECT
EXPIRATION DATE
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SHADE STRUCTURE ROOF PLANS

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
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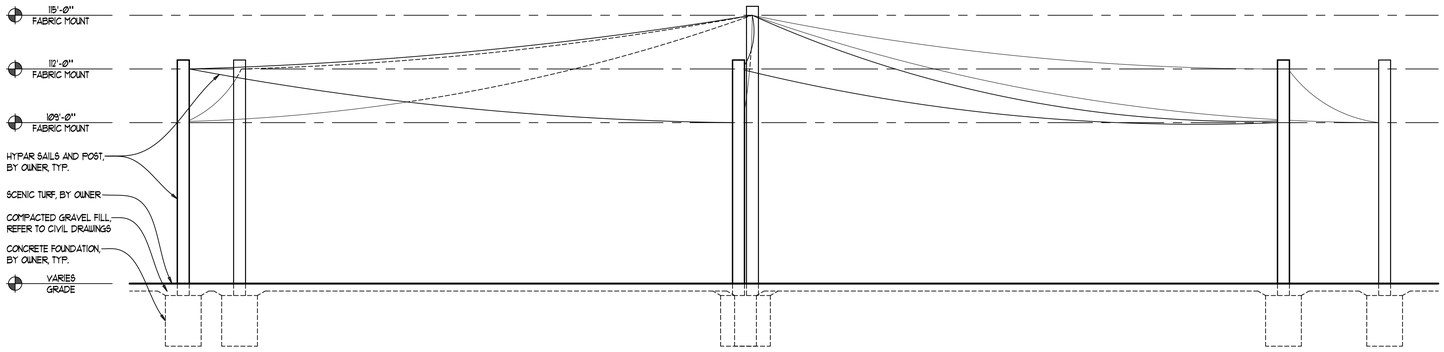
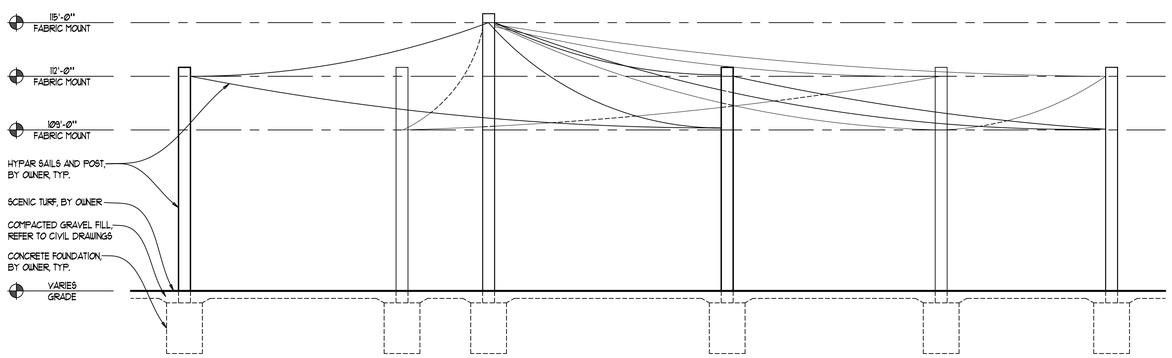


2 EXTERIOR ELEVATIONS - PLAN NORTH
SCALE: 1/4" = 1'-0"



1 EXTERIOR ELEVATIONS - PLAN EAST
SCALE: 1/4" = 1'-0"

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SHADE ELEVATIONS

SFGM - KIDS AREA AND MIDWAY

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RICHARD STEVEN LARSEN
STATE OF ILLINOIS
FIRM REGISTRATION NUMBER
184004116

#125093-5

TECHNOLOGY AND SECURITY SYSTEMS INFORMATION AND LEGENDS

GENERAL NOTES

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TECHNOLOGY DEVICE ROUGH-IN. PROVIDE 1" CONDUIT WITH PULL STRING TO ALL TECHNOLOGY DEVICE LOCATIONS, UNLESS OTHERWISE NOTED.

B. VERIFY EXACT LOCATION AND REQUIREMENTS OF ALL EQUIPMENT AND DEVICES WITH OWNER PRIOR TO ROUGH-IN

DATA DROPS

DATA DROP WITH DEVICE (X44")

DATA DROP (NO DEVICE) (X44")

MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

X INDICATES DEVICE TYPE

COMMUNICATION DEVICES

X INDICATES DEVICE TYPE

COMM DEVICE (CLG MOUNT) (X)

COMM DEVICE (WALL MOUNT) (X)

BGM BGM SPEAKER

SECURITY CAMERAS

	SINGLE HEAD CAMERA	WHERE WALL MOUNTED:
	DUAL HEAD CAMERA	*VERIFY EXACT MOUNTING HEIGHT WITH OWNER*
	QUAD HEAD CAMERA	
	360° FISHEYE CAMERA	

ACCESS CONTROL DEVICES

SECURITY DEVICE (BUTTON) (X)

SECURITY DEVICE (MISC.) (X)

VERIFY MOUNTING REQUIREMENTS PRIOR TO INSTALLATION.

X INDICATES DEVICE TYPE

WIRING METHODS LEGEND

WIRING METHODS GENERAL NOTES

1. THIS LEGEND PROVIDES AN OVERVIEW OF APPROVED WIRING METHODS FOR THIS PROJECT. REFER TO SPECIFICATION SECTION 260533 "RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS" FOR ADDITIONAL INFORMATION REGARDING SELECTION AND INSTALLATION OF CONDUITS AND BOXES.
2. UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. ALL OTHER SPACES SHALL BE CONSIDERED FINISHED, UNLESS NOTED OTHERWISE ON DRAWINGS.
3. CONDUITS FOR FEEDERS WHICH ARE SCHEDULED FOR UNDER SLAB INSTALLATION SHALL BE LOCATED A MINIMUM OF 2' BELOW FINISHED FLOOR. COORDINATE WITH ALL OTHER DISCIPLINES.
4. CONDUITS FOR BRANCH CIRCUITS ARE PERMITTED UNDER SLAB ONLY WHERE NOTED ON DRAWINGS OR INDICATED ON SPECIAL CONDITIONS SCHEDULE. CONDUIT ROUTING MUST BE COORDINATED WITH ALL OTHER DISCIPLINES AND BE CLEARLY IDENTIFIED ON AS-BUILT DRAWINGS.
5. COORDINATE ROUTING OF SURFACE RACEWAY SUCH THAT VERTICAL RUNS ARE MINIMIZED, AND RACEWAY DOES NOT RUN BEHIND PERMANENTLY-INSTALLED CASEWORK OR FURNITURE.

RACEWAY SELECTION SCHEDULE

APPLICATION	*IMC*	*RMC*	*EMT*	*MC CABLE*	*FMC*	*LFMC*	*RNC*	*SURFACE RACEWAY*
CONCEALED - CMU WALLS			X					
CONCEALED - METAL STUD PARTITIONS			X	X				
CONCEALED - CAST CONCRETE WALLS							X	
CONCEALED - ICF WALLS			X					
CONCEALED - ABOVE ACCESSIBLE CEILINGS			X	A, B				
CONCEALED - ABOVE INACCESSIBLE CEILINGS			X					
EXPOSED - INTERIOR FINISHED SPACES								F
EXPOSED - INTERIOR UNFINISHED SPACES			X		D	E		X
EXTERIOR - BELOW GRADE APPLICATIONS							X	
EXTERIOR - ABOVE GRADE APPLICATIONS	X	X				E		

RACEWAY APPLICATION NOTES

A. PERMITTED FOR CONNECTION TO AND BETWEEN LIGHT FIXTURES

B. PERMITTED FOR WHIP FROM HOMERUN JBOX TO BRANCH CIRCUIT RACEWAY. SHALL NOT BE USED FOR HOMERUNS.

C. PERMITTED FOR WHIP TO FIRE ALARM DEVICE

D. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT WITHIN PLENUM

E. PERMITTED FOR FINAL CONNECTION TO MOTORIZED EQUIPMENT NOT WITHIN PLENUM

F. PERMITTED WHERE INDICATED ON DRAWINGS OR WHERE EXISTING WALL CONSTRUCTION PROHIBITS THE USE OF CONCEALED RACEWAY

BOXES AND COVERS SELECTION SCHEDULE

APPLICATION	*OUTLET BOXES*	*CONDUIT BODIES*	*COVERS*
FINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
UNFINISHED SPACES - DEFAULT	SHEET METAL	CAST ALUMINUM	STAINLESS STEEL
EXTERIOR - DEFAULT	GALVANIZED MALLEABLE IRON (NOTE A)	GALVANIZED MALLEABLE IRON (NOTE A)	CAST ALUMINUM
[APPLICATION]	[BOX TYPE]	[CONDUIT BODY TYPE]	[COVER TYPE]

BOXES AND COVERS APPLICATION NOTES

A. CONDUIT SHALL ENTER FROM BOTTOM OR SIDE WHERE PRACTICAL. PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

ABBREVIATION LEGEND

GENERIC ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
CM	CONSTRUCTION MANAGER
EC	ELECTRICAL CONTRACTOR
ED	EXISTING TO BE DEMOLISHED
EM	EMERGENCY
ER	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
GC	GENERAL CONTRACTOR
NEC	NATIONAL ELECTRIC CODE
OC	ON CENTER
OH	OVERHEAD
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
WG	WIREGUARD
WP	WEATHERPROOF
WR	WEATHER RESISTANT

WIRING METHODS ABBREVIATIONS

AL	ALUMINUM
C	CONDUIT
CA	CAST ALUMINUM
CU	COPPER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
FMC	FLEXIBLE METALLIC CONDUIT
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GMI	GALVANIZED MALLEABLE IRON
GND	GROUND
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LV	LOW VOLTAGE
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHLORIDE, SCHEDULE 40
RMC	RIGID METALLIC CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
SM	SHEET METAL
ZP	ZINC PLATED

UNITS

A	AMPERE
AIC	AMPERE INTERRUPTING CAPACITY
CD	CANDELA
FC	FOOTCANDLE
HP	HORSEPOWER
KAIC	KILOAMPERE INTERRUPTING CAPACITY
LPF	LUMENS PER FOOT
V	VOLT
VA	VOLT-AMPERE
W	WATT

COMMON ELECTRICAL ABBREVIATIONS

BAS	BUILDING AUTOMATION SYSTEM
BM	BRANCH METER
CB	CIRCUIT BREAKER
DS	DISCONNECT SWITCH
EPO	EMERGENCY POWER OFF
EV	ELECTRIC VEHICLE
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GP	GENERATOR PANEL
HTP	HEAT TRACE PANEL
LOD	LOCK OUT DEVICE CAPABLE
LTS	LIGHTS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MM	MAINS METER
MRTS	MOTOR RATED TOGGLE SWITCH
OCPD	OVERCURRENT PROTECTIVE DEVICE
OM	OWNER'S METER
SE	SERVICE ENTRANCE
SPD	SURGE PROTECTIVE DEVICE
SUSE	SUITABLE FOR USE AS SERVICE ENTRANCE
TGB	TECHNOLOGY GROUND BAR
TR	TECHNOLOGY RACK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UM	UTILITY METER
UT	UTILITY TRANSFORMER
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER

DRAFTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
X	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
1 / 5-E-1.0	DETAIL CALLOUT REFER TO DETAIL 1 ON SHEET 5-E-1.0

26-ELECTRICAL SHEET LIST - KIDS AREA

SHEET NUMBER	SHEET NAME
5-E-0.0	ELECTRICAL LEGENDS
5-E-1.0	KIDS AREA ELECTRICAL PLAN
5-E-6.0	ELECTRICAL SINGLE LINE DIAGRAM

WIRING DEVICE LEGEND

MOUNTING HEIGHT OF BACKBOX, RELATIVE TO BOTTOM OF BOX. IF OMITTED, DEFAULT MOUNTING HEIGHT IS 16"

DUPLEX (XX/44")

DOUBLE-DUPLEX

XX INDICATES SPECIAL NOTE (IF USED)

WP GFI, WR RECEPTACLE WITH WEATHER PROOF ENCLOSURE

JUNCTION BOX (JX)

JX INDICATES DEVICE DESIGNATION (IF USED)

PED 4" X 4" ALUMINUM POST WITH (1) 20A JUNCTION BOX (VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER)

GROUND FAULT PROTECTED (GFI)	*GROUND FAULT PROTECTED, ABOVE COUNTER* (GFI)	*ABOVE COUNTER*	*SPECIALTY RECEPTACLE*

GENERAL NOTES: - APPLIES TO ALL ELECTRICAL DRAWINGS

A. EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).

B. EC SHALL UPSIZE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE SHOWN BELOW:

WIRE SIZING CHART

RUN LENGTH		CIRCUIT BREAKER		
120V	277V	20A	30A	40A
000-100'	000-200'	12	10	8
101-150'	201-300'	10	8	6
151-200'	301-450'	8	6	4

C. WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.

D. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. EC SHALL NOT SHARE NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS.

E. ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.

F. EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.

G. ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.

H. ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.

I. HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.

J. GROUPINGS OF DEVICES LOCATED ON THE SAME WALL AT THE SAME ELEVATION SHALL BE PLACED SO THAT THE HORIZONTAL DISTANCE BETWEEN DEVICES IS NO GREATER THAN 4". PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.

K. FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LIGHTING FIXTURE SCHEDULE, ON E-0.1 SERIES SHEETS.

L. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT.

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
STATE OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OHIO 45202 513.381.8312

SCALE: 1/8" = 1'-0"
DATE: 06-05-2026
DRAWN BY: CST/TDP

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELECTRICAL LEGENDS

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
5-E-0.0

2025122.01

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1" REFERENCE LINE

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1 KIDS AREA ELECTRICAL PLAN
5-E-1.0 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

A. EXIT SIGNS SHALL BE CONNECTED AHEAD OF ALL SWITCHING. LIGHT FIXTURES DENOTED BY "NL" SHALL PROVIDE NORMAL-POWER EGRESS LIGHTING AND EMERGENCY LIGHTING UPON LOSS OF NORMAL POWER. REFER TO E-5.0 SERIES DRAWINGS FOR CONTROL DETAILS.

B. REFER TO E-5.0 SERIES DRAWINGS FOR LIGHTING CONTROL DETAILS AND SEQUENCE OF OPERATIONS.

GENERAL POWER NOTES:

A. REFER TO E-0.0 SERIES SHEETS FOR PANEL AND CIRCUIT NUMBERS FOR MECHANICAL AND PLUMBING EQUIPMENT.

B. REFER TO E-0.0 SERIES SHEETS FOR STARTER AND DISCONNECT TYPES AND CONTRACTOR RESPONSIBILITIES. STARTER AND DISCONNECT LOCATIONS TO BE NEAR EQUIPMENT WITH PROPER CLEARANCE AND WORKING SPACE PER NEC. COORDINATE MOUNTING WITH OTHER DISCIPLINES.

C. EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF MECHANICAL CONTROL DEVICES. REFER TO MECHANICAL CONTROLS LEGEND FOR DEVICE DESIGNATION. REFER TO M-SERIES SHEETS FOR EXACT LOCATIONS AND DETAILS FOR EACH DEVICE.

D. EC SHALL BE RESPONSIBLE FOR TECHNOLOGY ROUGH-IN LOCATIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

E. COORDINATE ALL ELECTRICAL REQUIREMENTS, INCLUDING ROUGH-IN LOCATION, CONNECTION TYPE, AND POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

F. PRIOR TO DEVICE ROUGH-IN, REFER TO E-0.0 SERIES SHEETS FOR DEVICE LEGENDS AND SPECIALTY INFORMATION.

G. PRIOR TO DEVICE ROUGH-IN, REFER TO E-5.0 SERIES SHEETS FOR SPECIALTY MOUNTING DETAILS.

H. CEILING MOUNTED TECHNOLOGY DEVICES SHALL BE MOUNTED AT THE SAME ELEVATION AS ADJACENT LIGHT FIXTURES. PROVIDE HARDWARE AS NECESSARY FOR PENDANT TYPE INSTALLATION.

KEYNOTES

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
311 ELM STREET, SUITE 600
CINCINNATI, OH 45202 513.381.8112

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R S L COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9951 FAX
www.rslarch.com

KIDS AREA ELECTRICAL PLAN

SFGM - KIDS AREA AND MIDWAY

SHEET NO.
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1" REFERENCE LINE

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SINGLE LINE DIAGRAM SYMBOL LEGEND

GENERAL NOTES:

1. SYMBOLS IN THIS LEGEND MAY NOT ALL APPEAR IN THE DRAWINGS.
2. NOT ALL EQUIPMENT OPTIONS AND REQUIREMENTS ARE INDICATED ON THE SINGLE LINE DIAGRAM.
3. REFER TO DIV. 26 SPECIFICATION SECTIONS FOR DETAILED REQUIREMENTS FOR ELECTRICAL DISTRIBUTION INFRASTRUCTURE.
4. INFORMATION ABOUT EXISTING EQUIPMENT IS BASED ON EXISTING DRAWINGS AND FIELD OBSERVATIONS.
5. EXISTING FEEDER CONDUCTORS ARE ASSUMED TO BE COPPER.
6. ALL EQUIPMENT OUTSIDE OF "NEW WORK" SCOPE BOXES IS FOR REFERENCE ONLY.

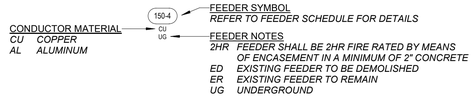
OPTIONS AND ABBREVIATIONS:

2N	200% NEUTRAL
FTL	FEED THRU LUGS
GF	GROUND FAULT PROTECTION
PLP	PHASE LOSS PROTECTION
SE	SERVICE ENTRY RATED
SM	INTEGRAL MAINS SUBMETERING
SPD	INTEGRAL SURGE PROTECTION DEVICE
ST	SHUNT TRIP MAIN BREAKER
UM	UTILITY METERING

GENERIC SYMBOLS

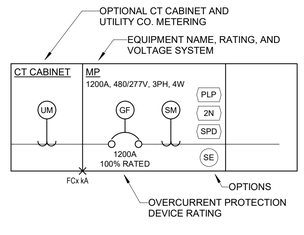
20A 1P	CIRCUIT BREAKER *TRIP RATING* *NUMBER OF POLES*	20A 1P	SWITCH *SWITCH RATING* *NUMBER OF POLES*
FCx kA	CALCULATED FAULT CURRENT POINT	20A	FUSE *TRIP RATING*
M	ELECTRICAL METER		EQUIPMENT GROUND
	ELECTRIC MOTOR	G	ELECTRIC GENERATOR

FEEDER SYMBOL

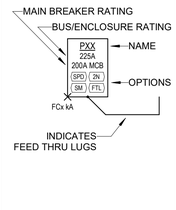


SPECIFIC EQUIPMENT

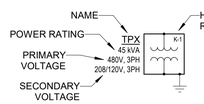
SWITCHBOARD / DISTRIBUTION PANELBOARD



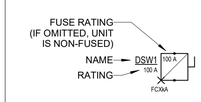
PANELBOARD



DISTRIBUTION TRANSFORMER



DISCONNECT SWITCH



FEEDER SCHEDULE

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	EGC SIZE	CONDUIT SIZE
30-2	CU	1	2	#10	#10	3/4"
50-3VD	CU	1	3	#4	#6	3/4"
125-3	CU	1	3	#1	#6	1 1/4"
150-3	CU	1	3	#1/0	#6	1 1/2"
800-4	CU	2	4	600 KCMIL	#1/0	3 1/2"
1200-4	CU	3	4	600 KCMIL	#3/0	3 1/2"

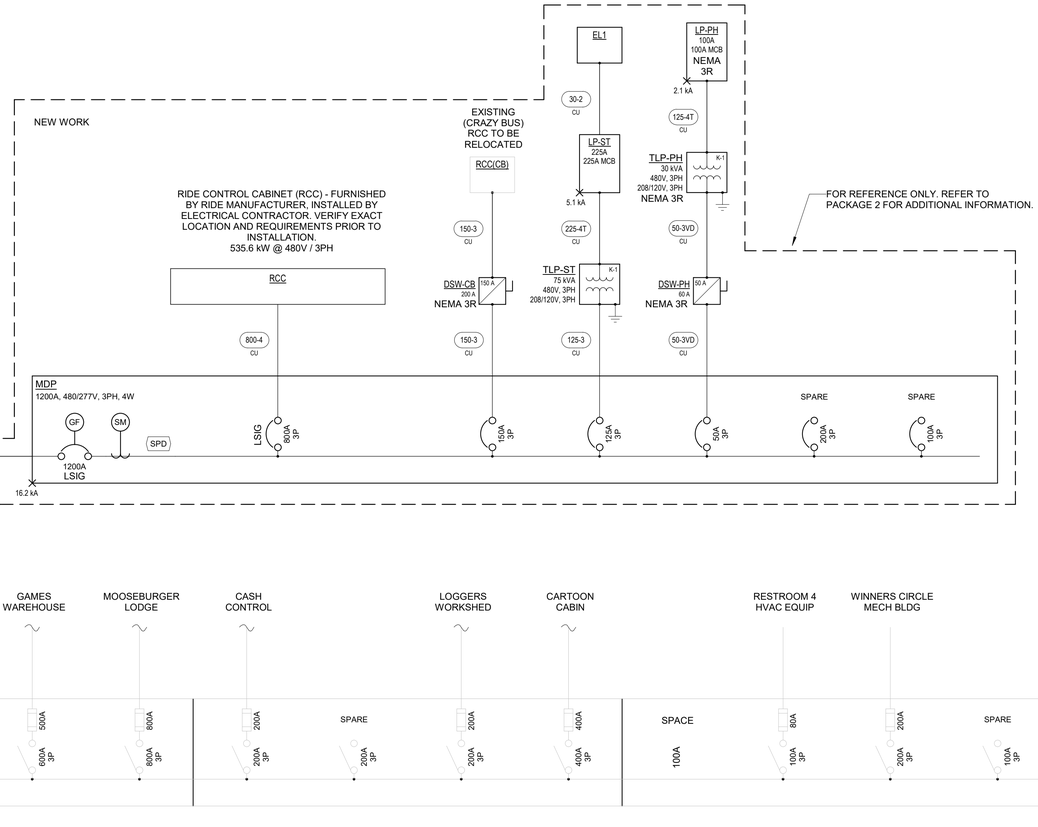
TRANSFORMER FEEDER AND GROUNDING SCHEDULE

NOTES:

1. REFER TO TRANSFORMER GROUNDING DETAIL FOR ADDITIONAL INFORMATION.
2. SUPPLY SIDE BONDING JUMPER (SSBJ) SHALL BE PULLED IN EACH SET OF PARALLLEL CONDUITS.

FEEDER TAG	CONDUCTOR MATERIAL	PARALLEL SETS	FEEDER CONDUCTORS QTY	FEEDER CONDUCTORS SIZE	SSBJ SIZE	CONDUIT SIZE	GEC SIZE	SBJ SIZE
125-4T	CU	1	4	#1	#6	1 1/2"	#6	#6
225-4T	CU	1	4	#4/0	#2	2 1/2"	#2	#2

KEYNOTES



SPECIAL NOTES - SINGLE LINE DIAGRAM

A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE ARC FLASH STUDY WITH ALL AFFECTED AND NEW ELECTRICAL EQUIPMENT BEING LABELED. VERIFY EXACT REQUIREMENTS WITH OWNER.

1 5-E-6.0 SINGLE LINE DIAGRAM - KIDS AREA

LICENSED PROFESSIONAL ENGINEER
SAMUEL H. BOHMAN
062-07877
OF ILLINOIS
Date Signed: 06-04-2026
License Expires: 11-30-2027

SHP
315 ELM STREET, SUITE 600
CINCINNATI, OH 45202 - 513.621.6122

SCALE: As indicated
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REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
8927 Rossash Road
Cincinnati, OH 45236
513.891.9959 PHONE
513.891.9953 FAX
www.rslarch.com

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ELECTRICAL SINGLE LINE DIAGRAM
SFGM - KIDS AREA AND MIDWAY

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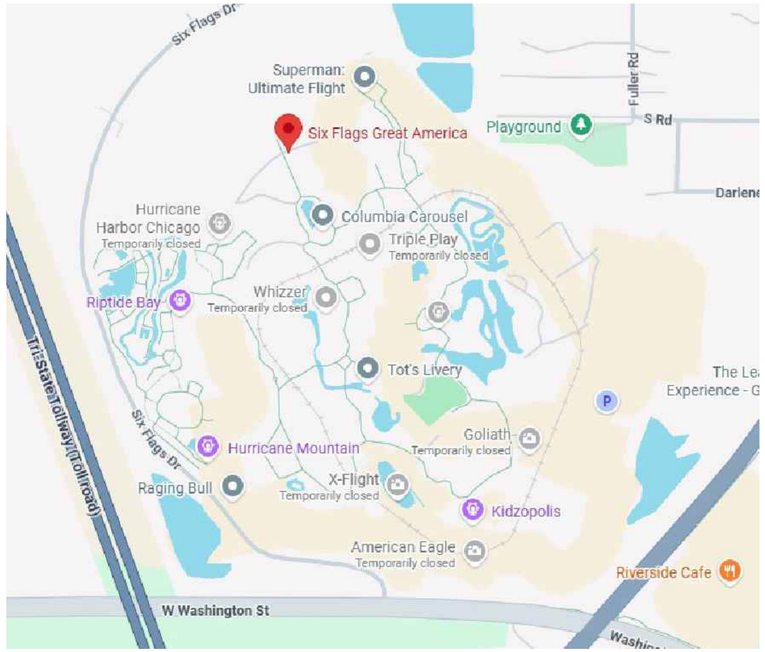
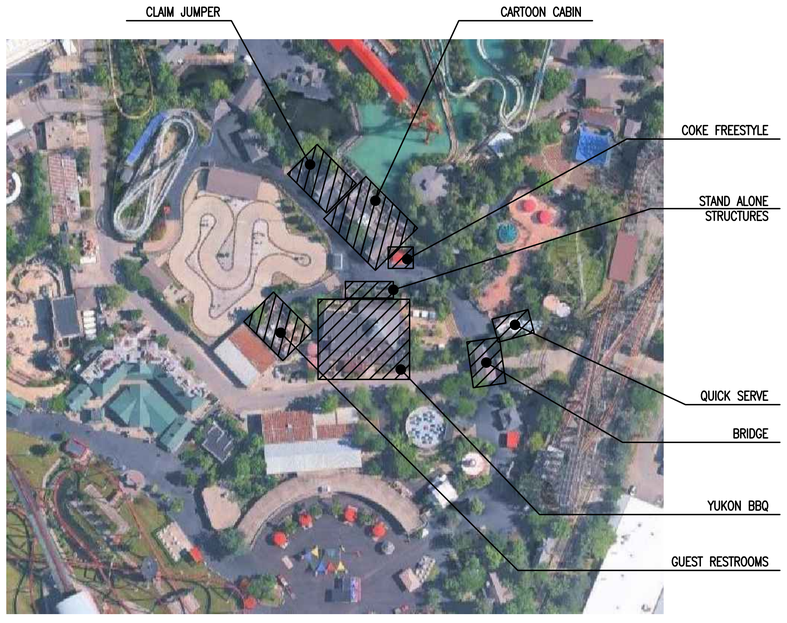


SITE PLAN

NOT TO A SCALE

NORTH



LOCATION PLAN

NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS**
PROJECT SCOPE:	EXTERIOR BUILDINGS REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7-A-CVR	MASTER COVER
06-05-26	7a-A-CVR	BRIDGE – COVER SHEET
06-05-26	7a-A-1.1	BRIDGE – PLANS
06-05-26	7a-A-2.1	BRIDGE – ELEVATIONS
06-05-26	7b-A-CVR	CARTOON CABIN – COVER SHEET
06-05-26	7b-A-1.1	CARTOON CABIN – PLANS
06-05-26	7b-A-2.1	CARTOON CABIN – ELEVATIONS
06-05-26	7b-A-2.2	CARTOON CABIN – ELEVATIONS
06-05-26	7c-A-CVR	CLAIM JUMPER – COVER SHEET
06-05-26	7c-A-1.1	CLAIM JUMPER – PLAN
06-05-26	7c-A-2.1	CLAIM JUMPER – ELEVATIONS
06-05-26	7c-A-2.2	CLAIM JUMPER – ELEVATIONS
06-05-26	7e-A-CVR	GUEST RESTROOMS – COVER SHEET
06-05-26	7e-A-1.1	GUEST RESTROOMS – PLANS
06-05-26	7e-A-2.1	GUEST RESTROOMS – ELEVATIONS
06-05-26	7f-A-CVR	QUICK SERVE – COVER SHEET
06-05-26	7f-A-1.1	QUICK SERVE – PLANS
06-05-26	7f-A-2.1	QUICK SERVE – ELEVATIONS
06-05-26	7g-A-CVR	STAND ALONE STRUCTURES – COVER SHEET
06-05-26	7g-A-1.1	STAND ALONE STRUCTURES – PLANS
06-05-26	7g-A-2.1	STAND ALONE STRUCTURES – ELEVATIONS
06-05-26	7h-A-CVR	YUKON BBQ – COVER SHEET
06-05-26	7h-A-1.1	YUKON BBQ – PLANS
06-05-26	7h-A-2.1	YUKON BBQ – ELEVATIONS
06-05-26	7h-A-2.2	YUKON BBQ – ELEVATIONS

ISSUE DATES

06-05-2026 ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS

ARCHITECT

R S L COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

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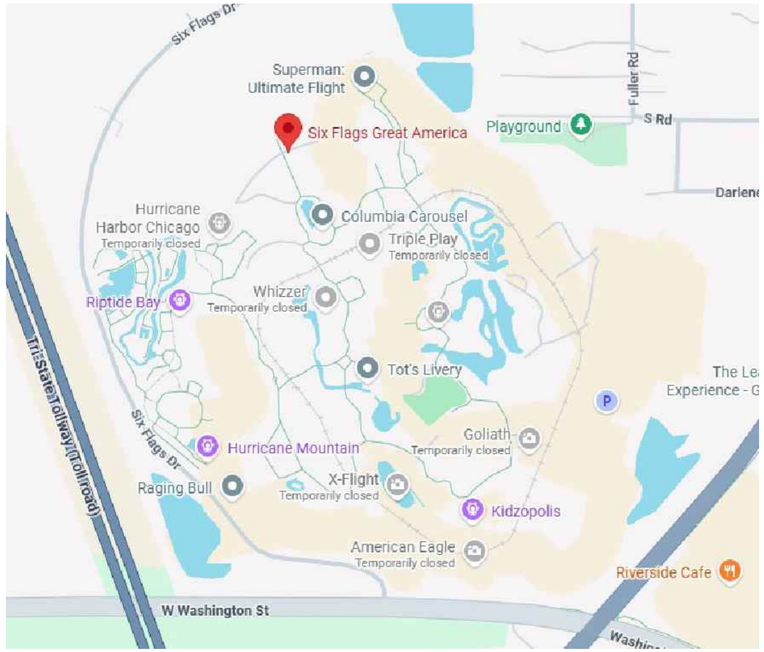
513-891-9950 PHONE
513-891-9951 FAX

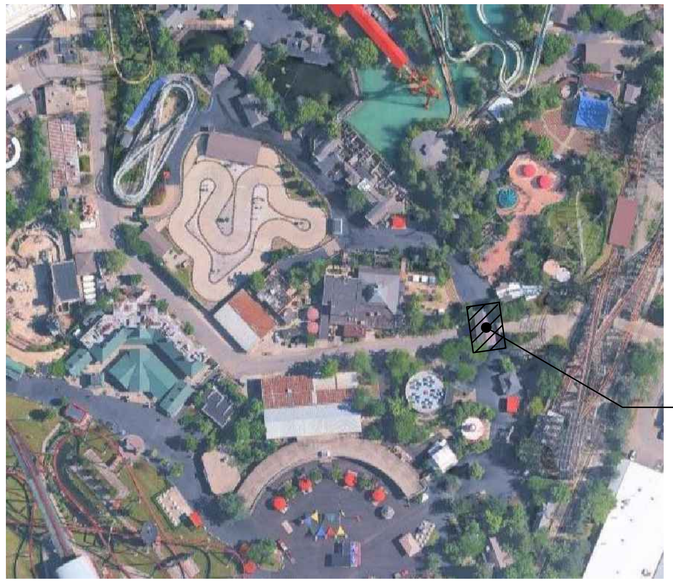
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7



SITE PLAN

NOT TO A SCALE

NORTH



BRIDGE

LOCATION PLAN

NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – BRIDGE**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7a-A-CVR	BRIDGE – COVER SHEET
06-05-26	7a-A-1.1	BRIDGE – PLANS
06-05-26	7a-A-2.1	BRIDGE – ELEVATIONS

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - BRIDGE

ARCHITECT

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8927 Rossash Road
Cincinnati, OH 45236

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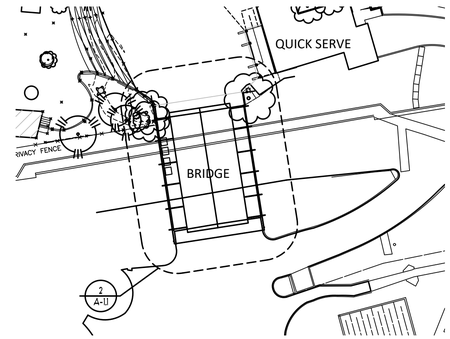
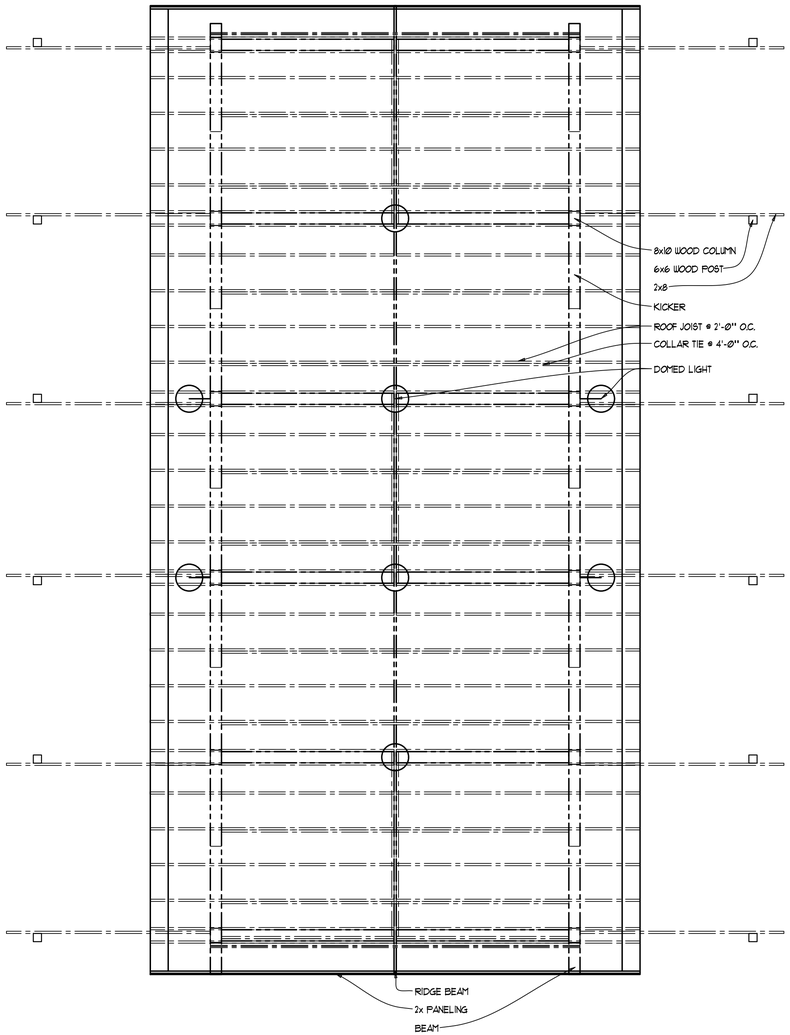
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7a – BRIDGE



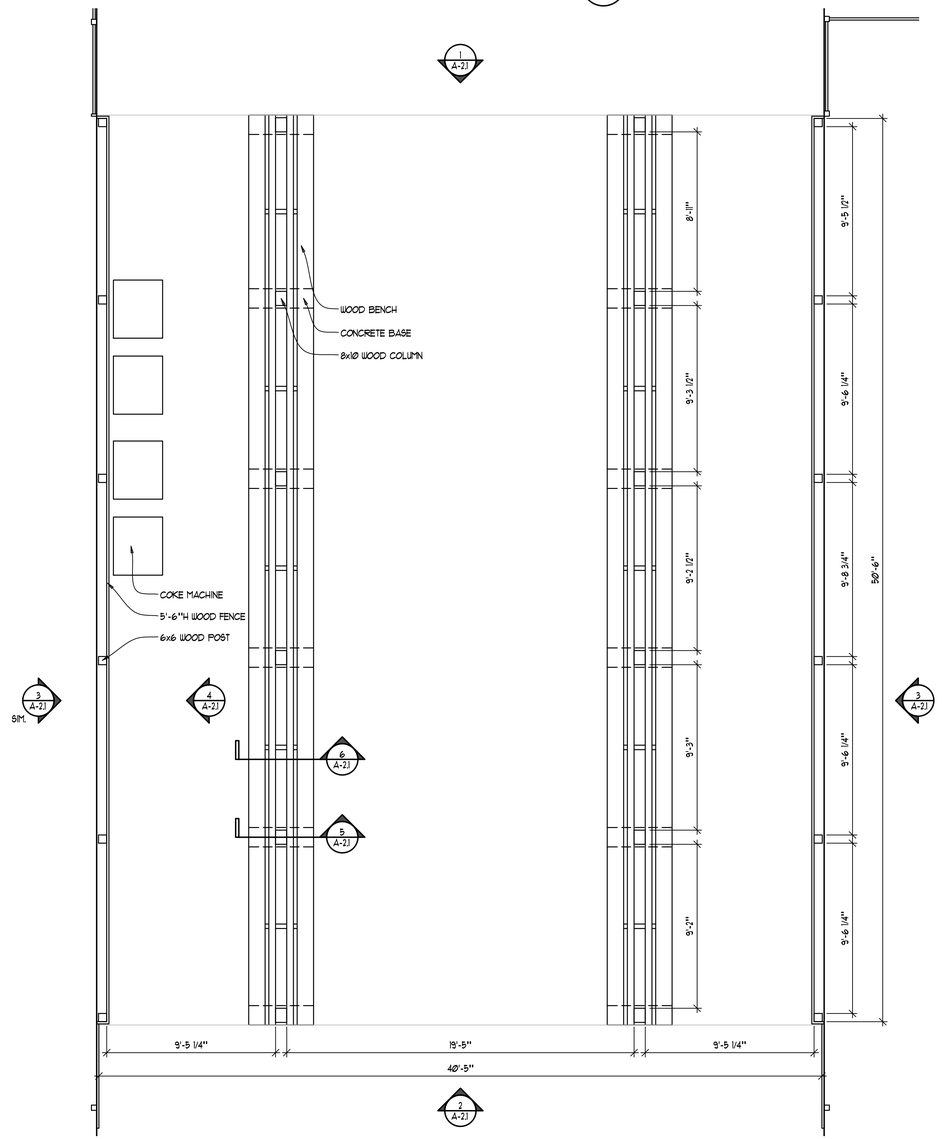
1 KEY PLAN
SCALE: 1/32" - 1'-0"

NORTH



3 REFLECTED CEILING PLAN
SCALE: 1/4 = 1'-0"

PLAN NORTH NORTH



2 PLAN
SCALE: 1/4 = 1'-0"

PLAN NORTH NORTH

SCALE VARIES
DATE 06-05-2016
DRAWN EGB
FILE #225093-7a

REVISION	DESCRIPTION

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PLANS

SF GURNEE - BRIDGE EXT. REFRESH

SHEET NO.
A-1.1
X OF X

#225093-7a

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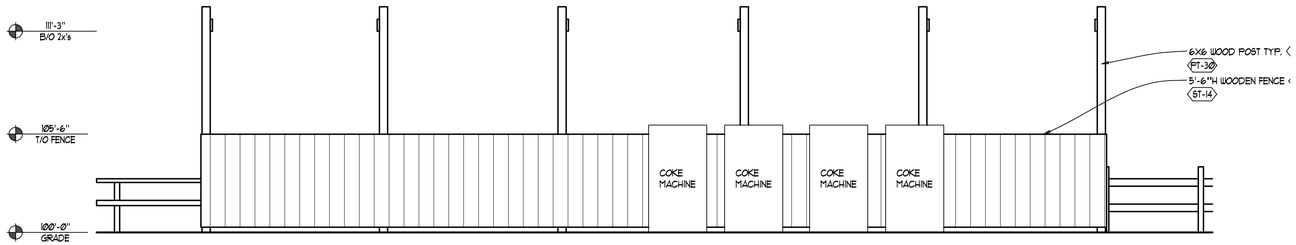
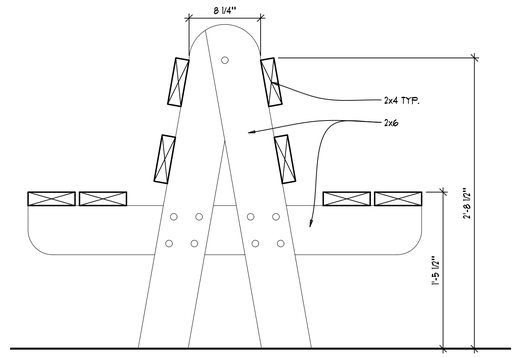
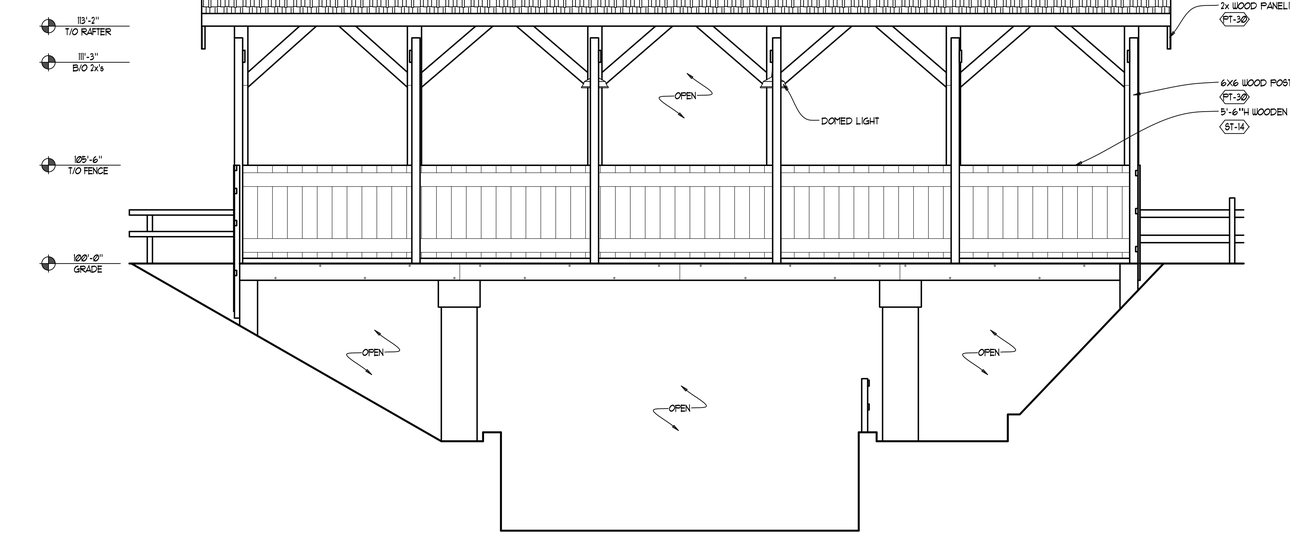
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
ST-14	STAIN	SHERWIN WILLIAMS	TBD	TBD		
ST-15	STAIN	SHERWIN WILLIAMS	TBD	TBD		
PT-30	EXTERIOR PAINT	SHERWIN WILLIAMS	TBD	TBD		



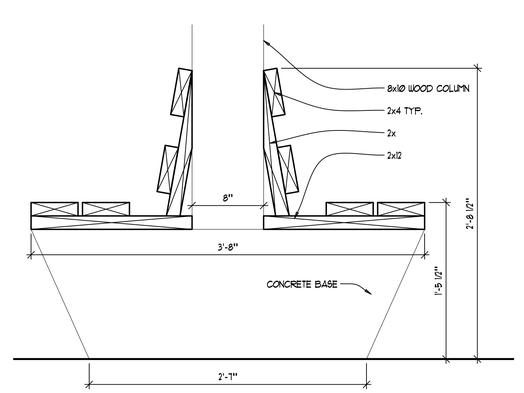
4 INTERIOR ELEVATION
SCALE: 1/4" = 1' - 0"



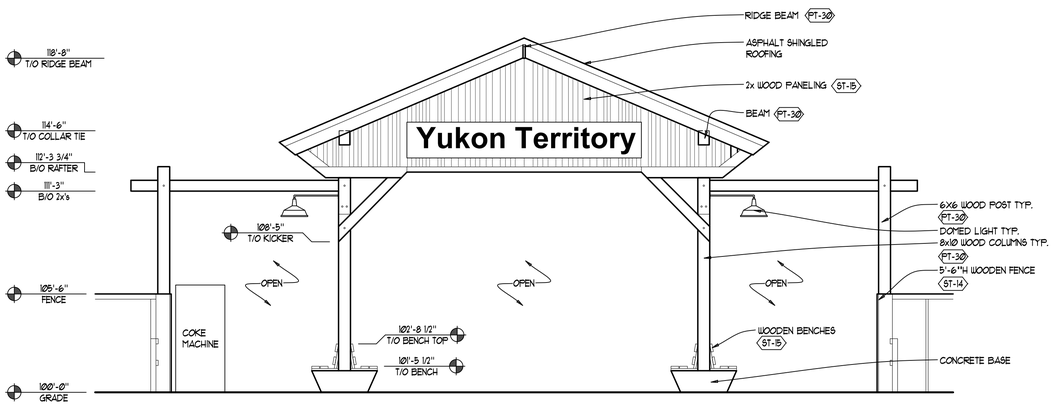
6 BENCH SECTION
SCALE: 1 1/2" - 1'-0"



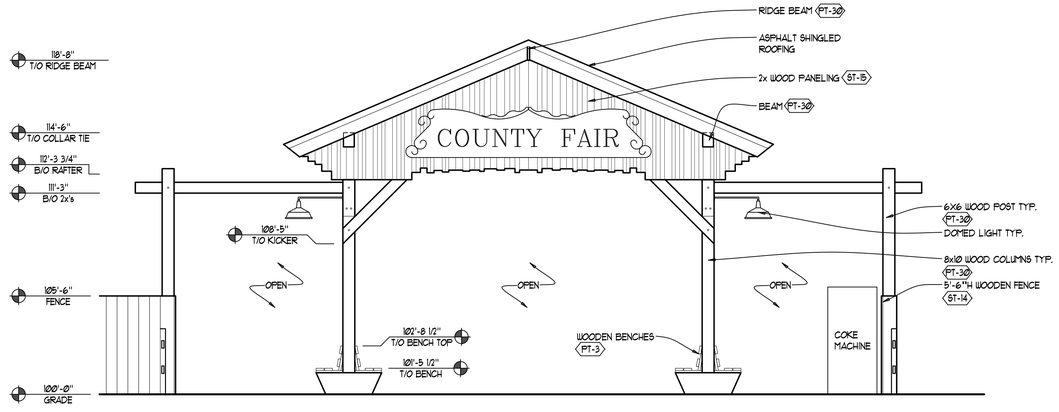
3 EAST ELEVATION
SCALE: 1/4" = 1' - 0"



5 BENCH SECTION
SCALE: 1 1/2" - 1'-0"



2 SOUTH ELEVATION
SCALE: 1/4" = 1' - 0"



1 NORTH ELEVATION
SCALE: 1/4" = 1' - 0"

SCALE VARIES
DATE 06-05-2016
DRAWN EGB
FILE #225093-7a

REVISION | DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

ELEVATIONS

SF GURNEE - BRIDGE EXT. REFRESH

SHEET NO.
A-2.1
X OF X

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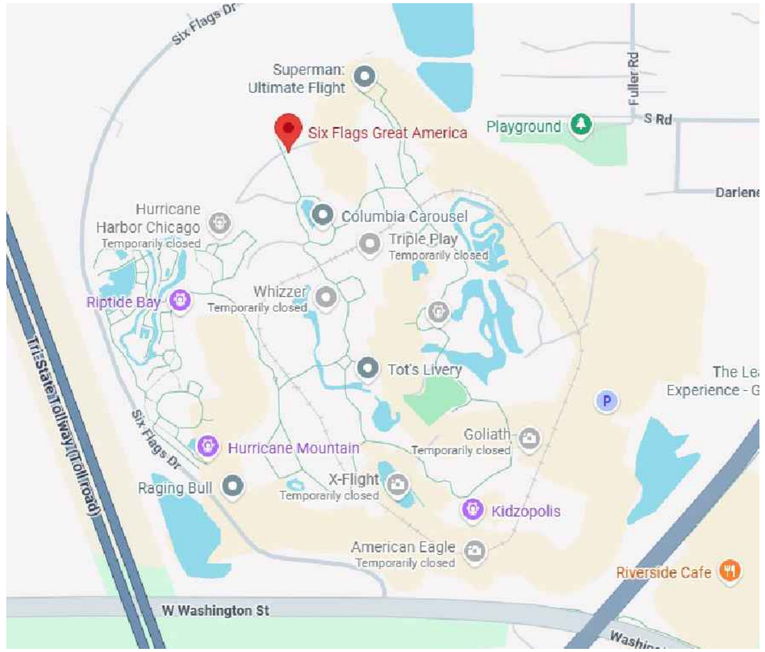
#225093-7a



SITE PLAN
NOT TO A SCALE

NORTH

LOCATION PLAN
NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – CARTOON CABIN**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7b-A-CVR	CARTOON CABIN – COVER SHEET
06-05-26	7b-A-1.1	CARTOON CABIN – PLANS
06-05-26	7b-A-2.1	CARTOON CABIN – ELEVATIONS
06-05-26	7b-A-2.2	CARTOON CABIN – ELEVATIONS

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - CARTOON CABIN

ARCHITECT

R S L COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

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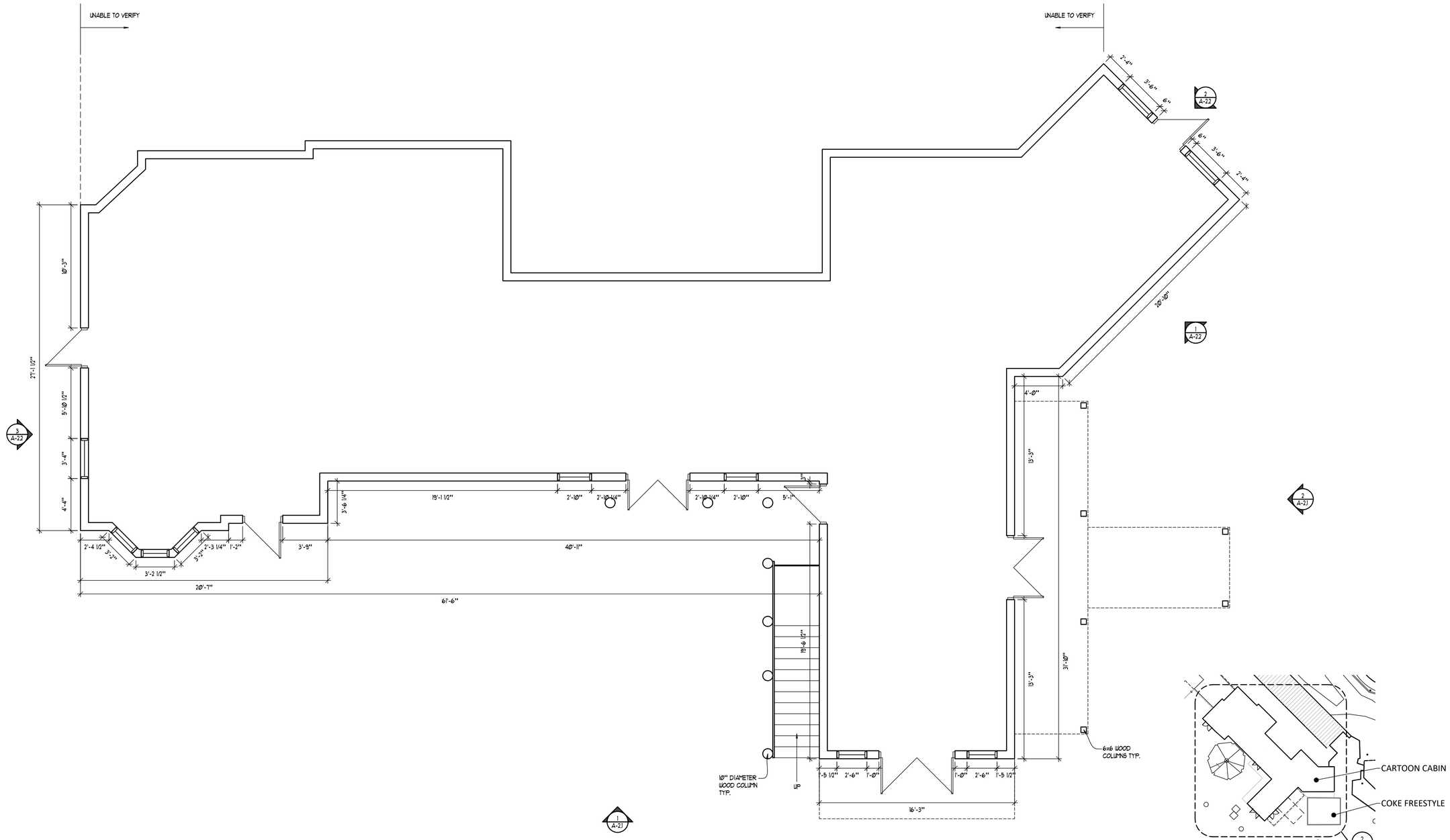
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7b – CARTOON CABIN



2 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLAN NORTH NORTH

1 KEY PLAN
SCALE: 1/32" - 1'-0"

NORTH

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SCALE	VARIES
DATE	06-05-2026
DRAWN	XXX/XXX
FILE	#25093-Tb

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Cincinnati, OH 45236
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513-891-9951 FAX
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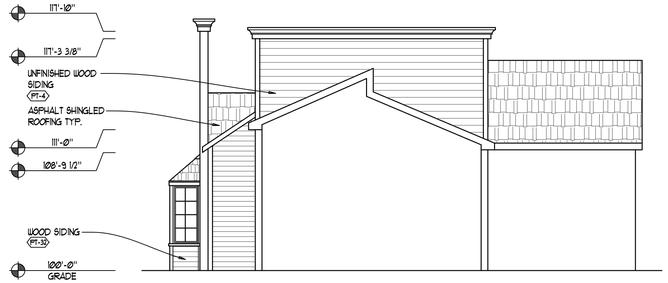
PLANS

SF GURNEE - CARTOON CABIN EXT. REFRESH

SHEET NO.
A-1.1
X OF X

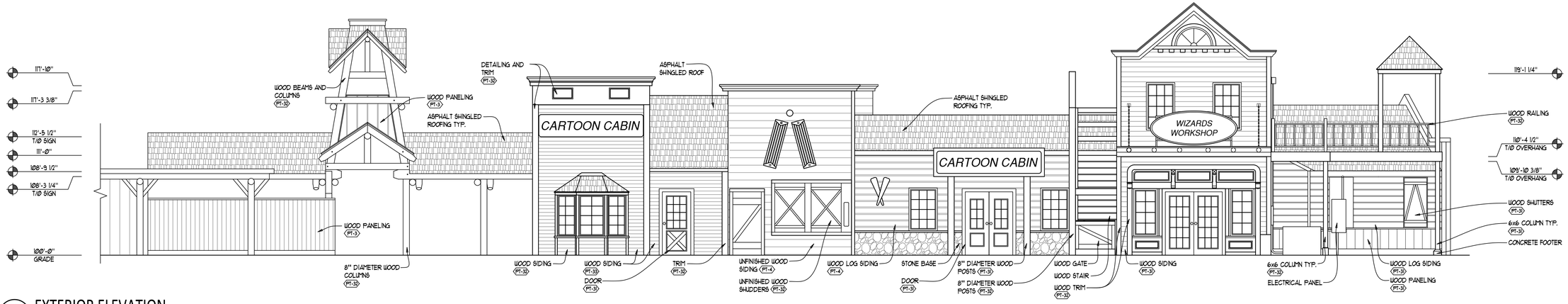
#25093-Tb

	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-4	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6068	BREVITY BROWN		
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
PT-33	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0048	BUNGLEHOUSE BLUE		



3 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

2 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

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SCALE VARIES
DATE 06-05-2026
DRAWN XXX/XXX
FILE #225033-Tb

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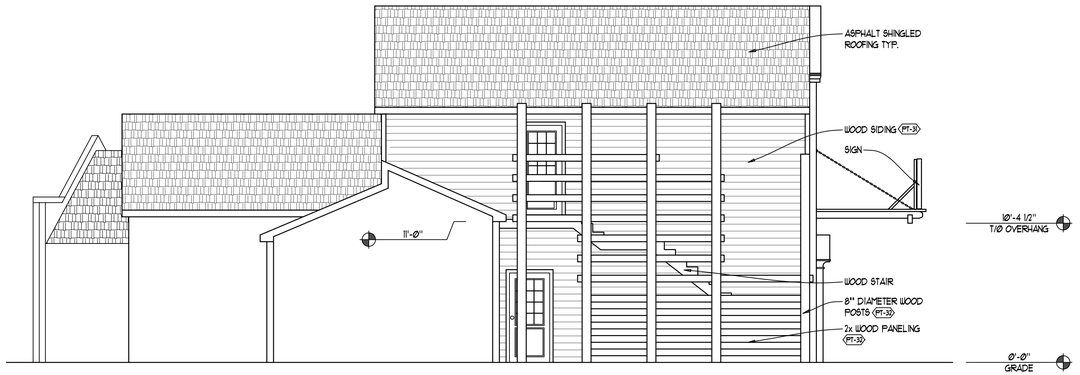
EXTERIOR ELEVATIONS
SF GURNEE - CARTOON CABIN EXT. REFRESH

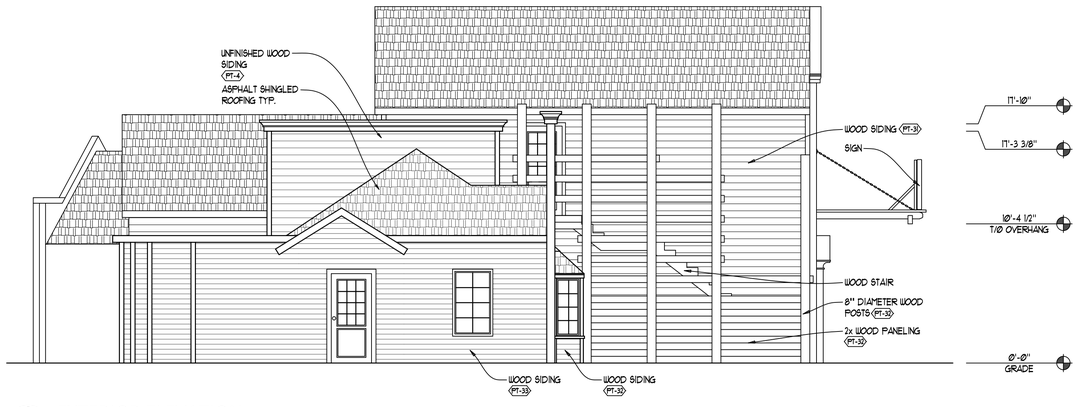
SHEET NO.
A-2.1
X OF X

#225033-Tb

	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-4	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6068	BREVITY BROWN		
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
PT-33	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0048	BUNGLEHOUSE BLUE		

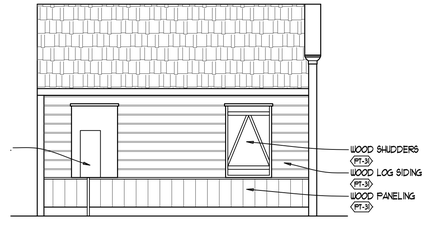


4 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



3 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

2 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

SCALE VARIES
DATE 06-05-2016
DRAWN XXX/XXX
FILE #225093-Tb

REVISION	DESCRIPTION

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Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
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EXTERIOR ELEVATIONS

SF GURNEE - CARTOON CABIN EXT. REFRESH

SHEET NO.
A-2.2
X OF X

#225093-Tb

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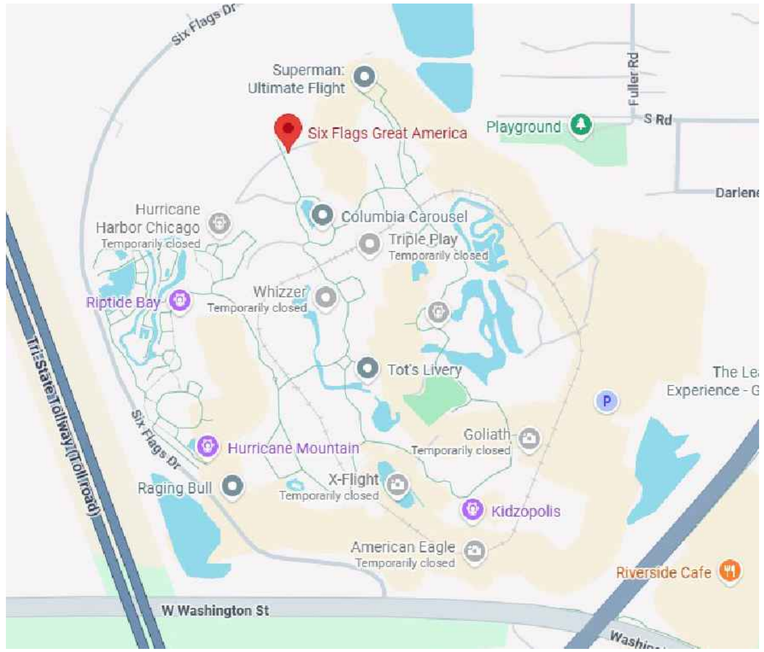
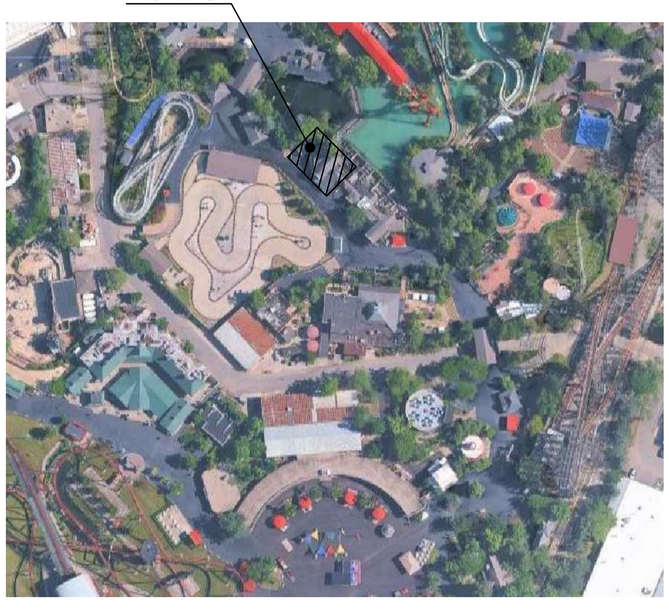


SITE PLAN

NOT TO A SCALE

NORTH



LOCATION PLAN

NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – CLAIM JUMPER**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7c-A-CVR	CLAIM JUMPER – COVER SHEET
06-05-26	7c-A-1.1	CLAIM JUMPER – PLAN
06-05-26	7c-A-2.1	CLAIM JUMPER – ELEVATIONS
06-05-26	7c-A-2.2	CLAIM JUMPER – ELEVATIONS

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - CLAIM JUMPER

ARCHITECT

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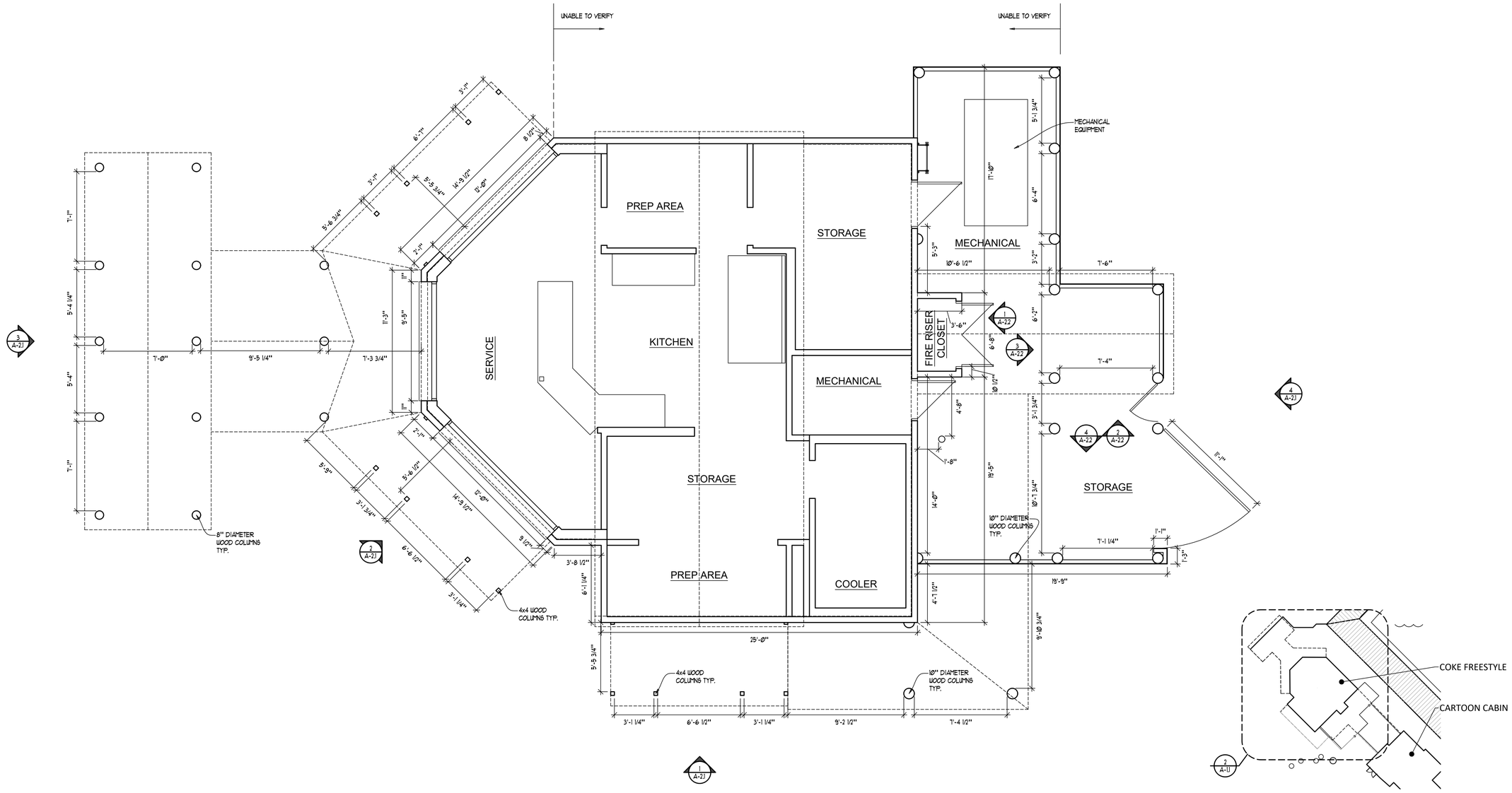
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7c – CLAIM JUMPER



2 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLAN NORTH NORTH

1 KEY PLAN
SCALE: 1/32" - 1'-0"

NORTH

REVISION	DESCRIPTION

SCALE VARIES
DATE 06-05-2026
DRAWN XXX/XXX
FILE #225093-7c

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PLANS

SF GURNEE - CLAIM
JUMPER EXT. REFRESH

SHEET NO.
A-1.1
X OF X

#225093-7c

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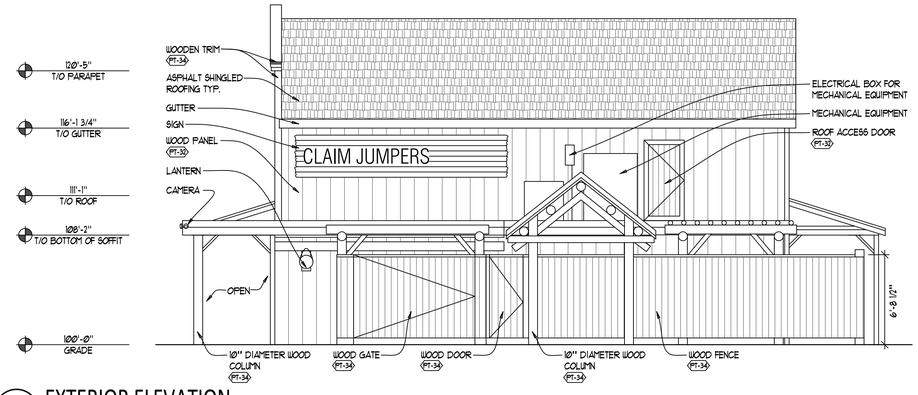
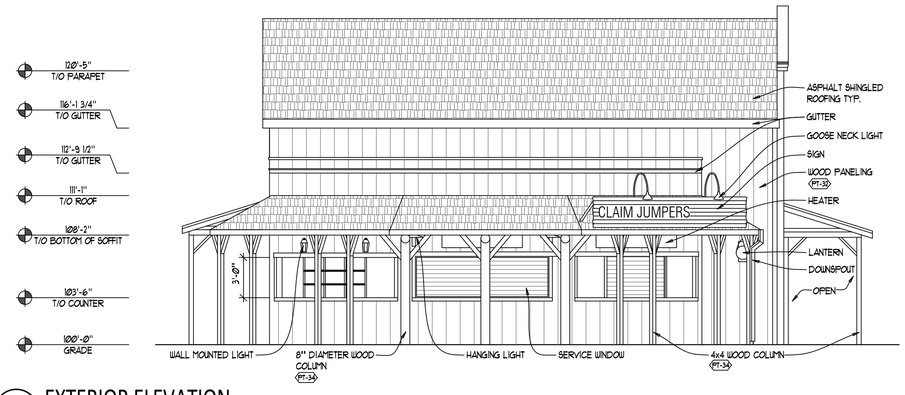
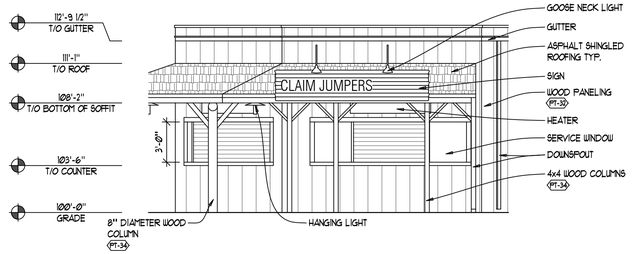
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-34	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0009	EASTLAKE GOLD		



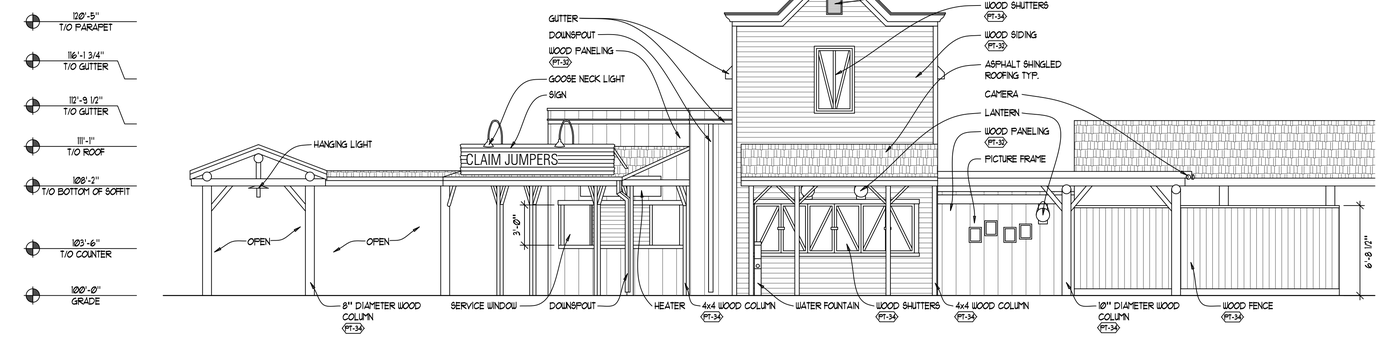
4 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



3 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



2 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

SCALE VARIES
DATE 06-05-2026
DRAWN XXX/XXX
FILE #225093-Tc

REVISION	DESCRIPTION

RSL COMMERCIAL ARCHITECTURE
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Cincinnati, OH 45236
513.891.9950 PHONE
513.891.9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

EXTERIOR ELEVATIONS

SF GURNEE - CLAIM JUMPER EXT. REFRESH

SHEET NO.
A-2.1
X OF X

#225093-Tc

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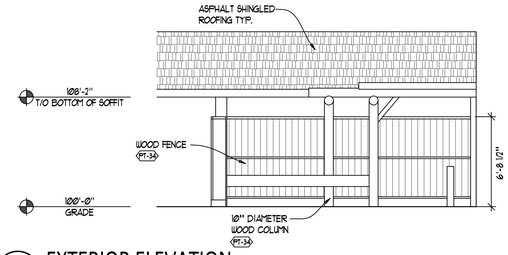
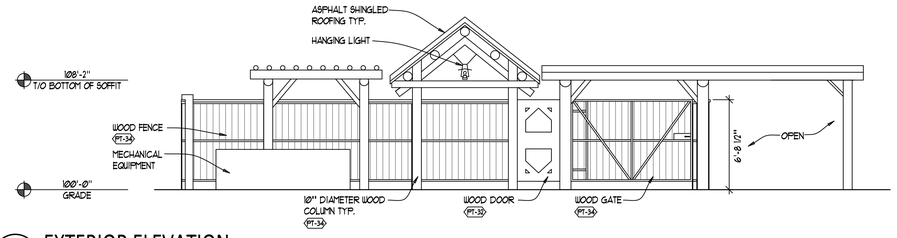
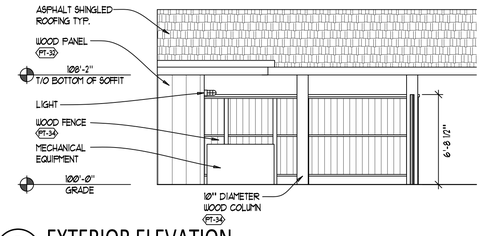
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-34	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0009	EASTLAKE GOLD		



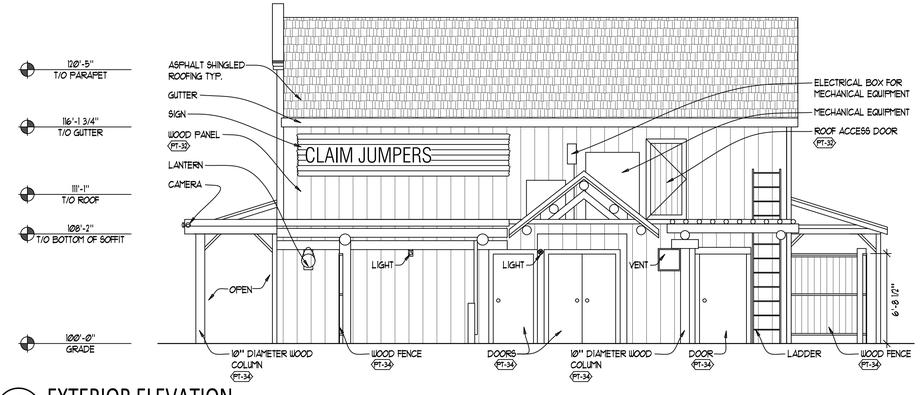
4 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



3 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



2 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

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REVISION	DESCRIPTION

SCALE VARIES
DATE 06-05-2026
DRAWN XXX/XXX
FILE #225093-Tc

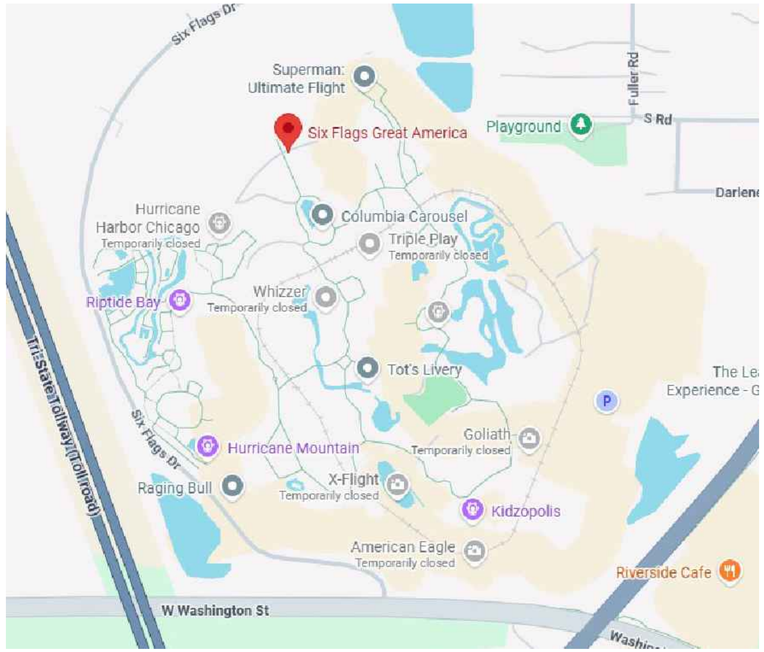
Six Flags Entertainment Corporation

EXTERIOR ELEVATIONS

SF GURNEE - CLAIM JUMPER EXT. REFRESH

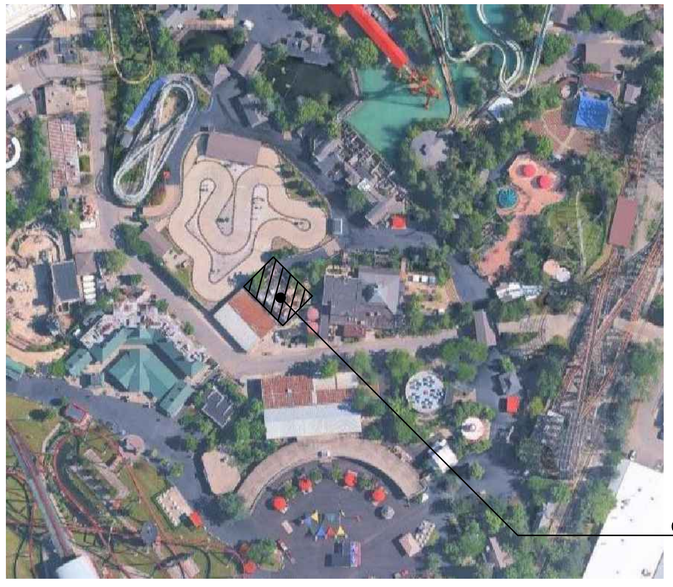
SHEET NO.
A-2.2
X OF X

#225093-Tc



SITE PLAN
NOT TO A SCALE

NORTH



LOCATION PLAN
NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – GUEST RESTROOMS**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7e-A-CVR	GUEST RESTROOMS – COVER SHEET
06-05-26	7e-A-1.1	GUEST RESTROOMS – PLANS
06-05-26	7e-A-2.1	GUEST RESTROOMS – ELEVATIONS

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - GUEST RESTROOMS

ARCHITECT

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SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7e – GUEST RESTROOMS

2 EXISTING PLAN

SCALE: 1/4" - 1'-0"

PLAN NORTH NORTH

1 KEY PLAN

SCALE: 1/32" - 1'-0"

NORTH

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REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2016
DRAWN	XXX/XXX
FILE	#225093-7e

Six Flags Entertainment Corporation

PLANS

SF GURNEE - GUEST RESTROOMS EXT. REFRESH

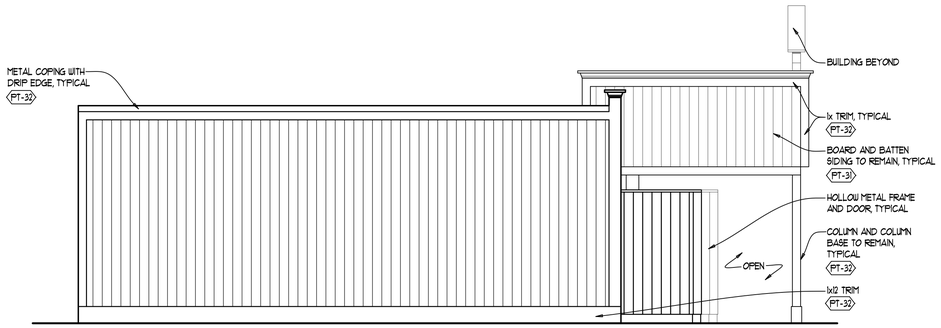
SHEET NO.

A-1.1

X OF X

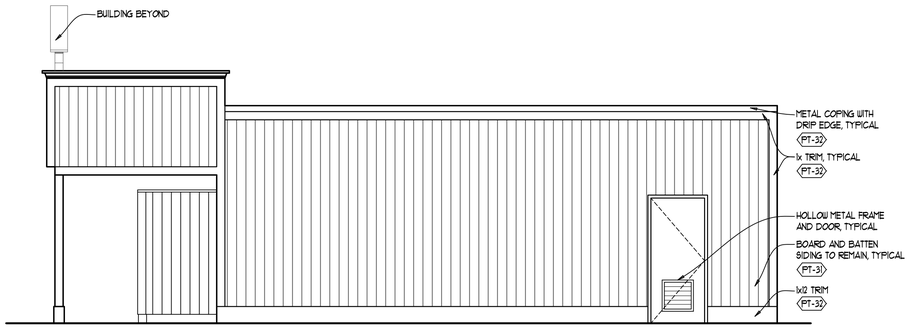
#225093-7e

	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		



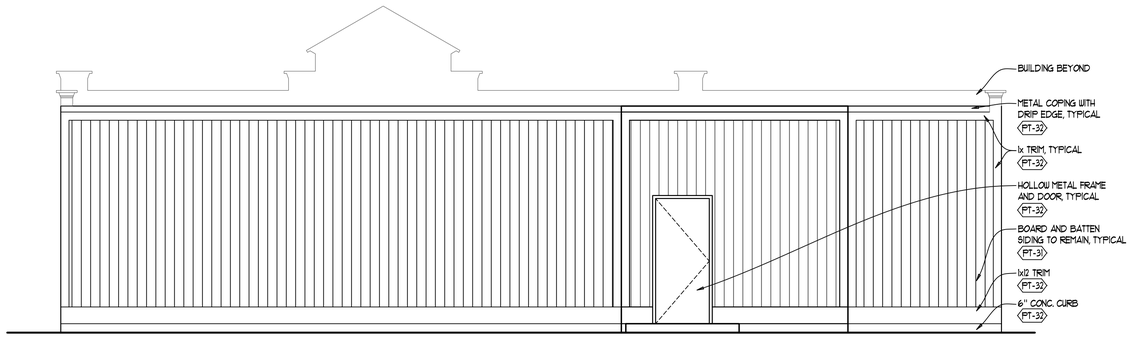
NOTE:
BUILDING STRUCTURE AND EXTERIOR FINISHES TO REMAIN, TYPICAL UNLESS NOTED OTHERWISE

4 ELEVATION
SCALE: 1/4" - 1'-0"



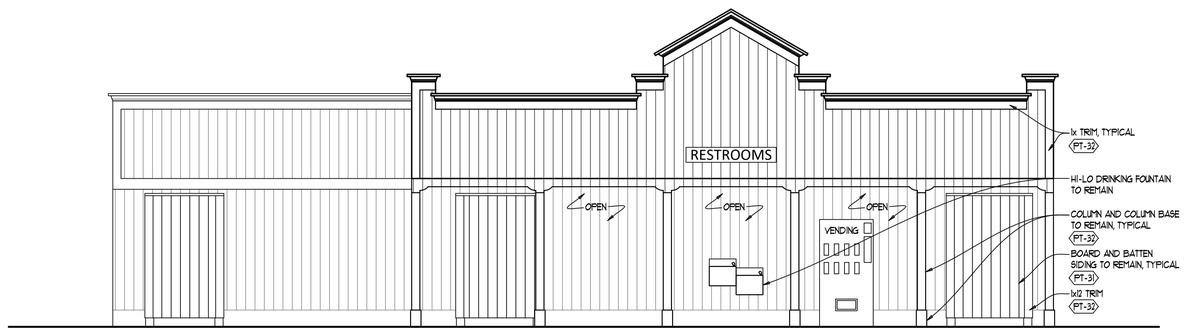
NOTE:
BUILDING STRUCTURE AND EXTERIOR FINISHES TO REMAIN, TYPICAL UNLESS NOTED OTHERWISE

3 ELEVATION
SCALE: 1/4" - 1'-0"



NOTE:
BUILDING STRUCTURE AND EXTERIOR FINISHES TO REMAIN, TYPICAL UNLESS NOTED OTHERWISE

2 ELEVATION
SCALE: 1/4" - 1'-0"



NOTE:
BUILDING STRUCTURE AND EXTERIOR FINISHES TO REMAIN, TYPICAL UNLESS NOTED OTHERWISE

1 ELEVATION
SCALE: 1/4" - 1'-0"

SCALE VARIES
DATE 06-05-2016
DRAWN XXX/XXX
FILE #225093-1e

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ELEVATIONS

SF GURNEE - GUEST RESTROOMS EXT. REFRESH

SHEET NO.
A-2.1
X OF X

#225093-1e

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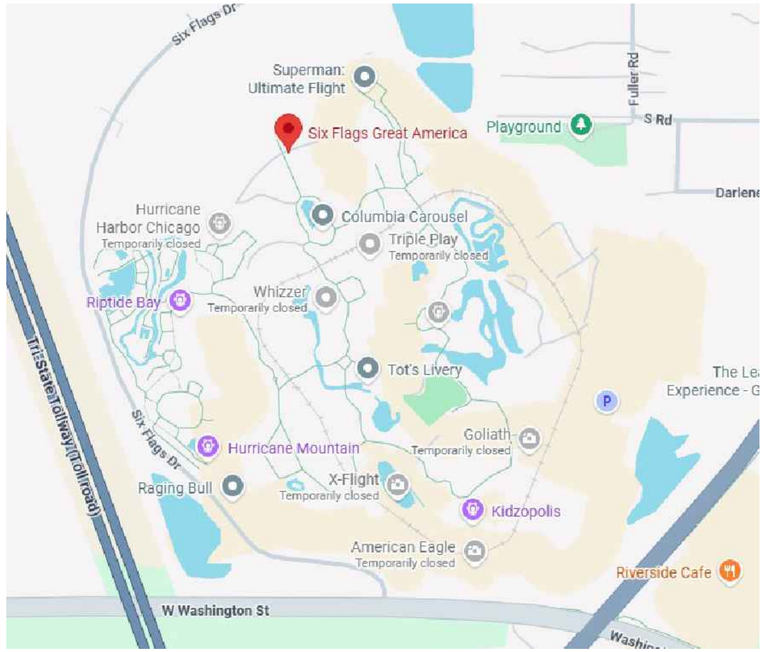
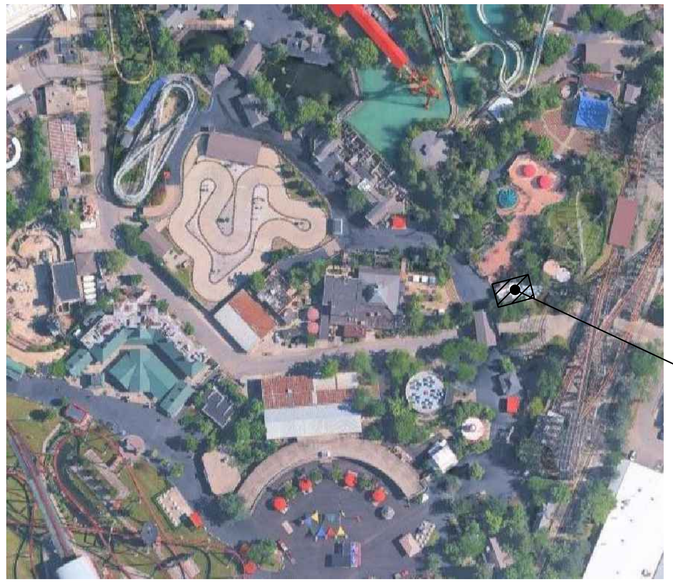


SITE PLAN
NOT TO A SCALE

NORTH



QUICK SERVE

LOCATION PLAN
NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – QUICK SERVE**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7f-A-CVR	QUICK SERVE – COVER SHEET
06-05-26	7f-A-1.1	QUICK SERVE – PLANS
06-05-26	7f-A-2.1	QUICK SERVE – ELEVATIONS

ISSUE DATES

06-05-2026 ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags® GREAT AMERICA

SFGM - EXISTING BUILDINGS - QUICK SERVE

ARCHITECT

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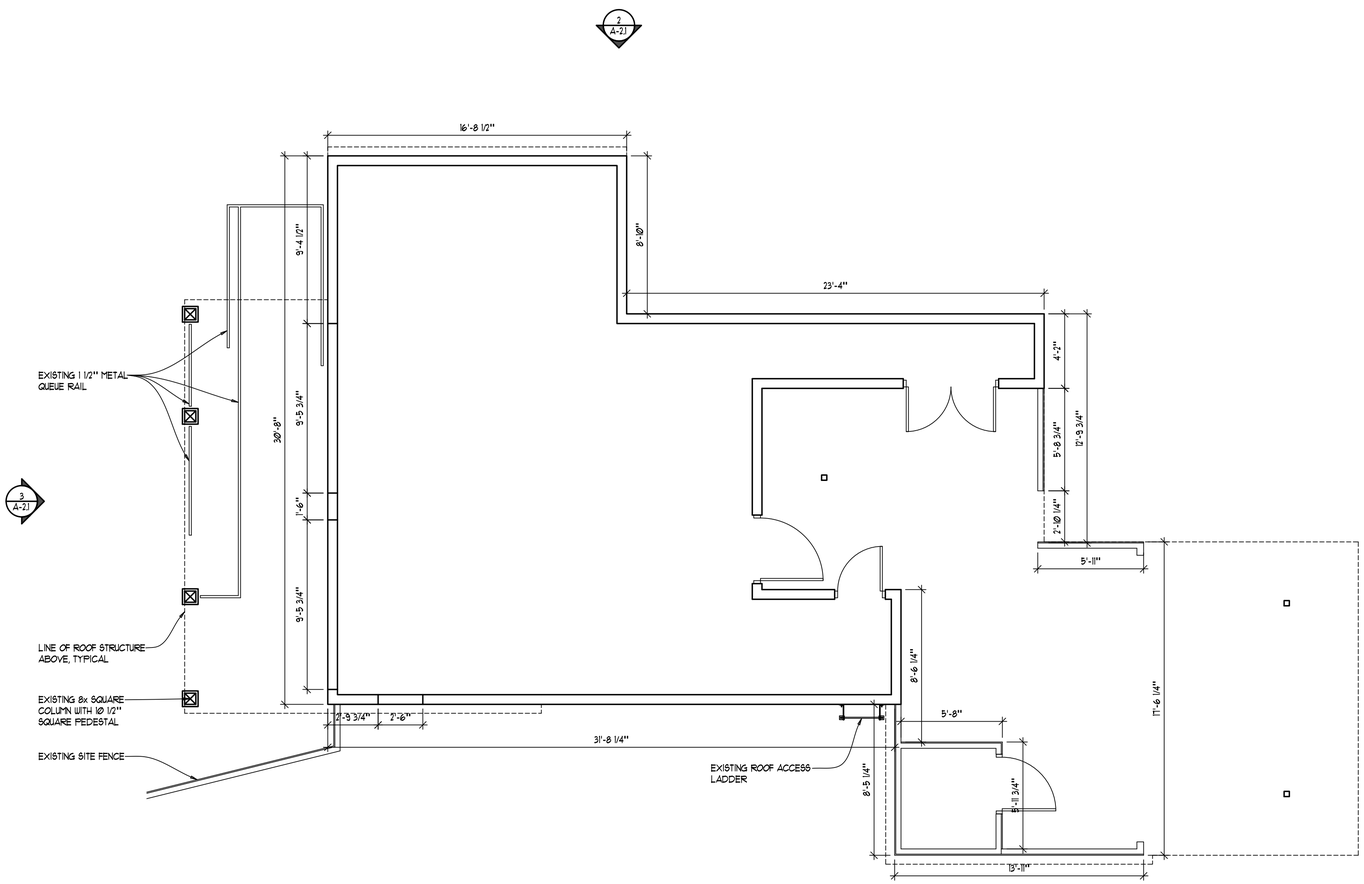
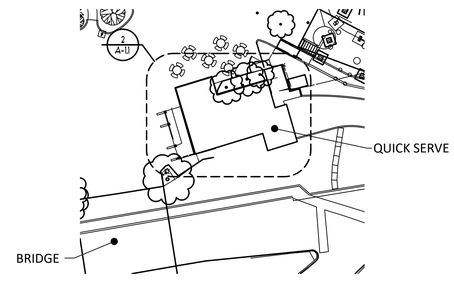
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7f – QUICK SERVE



1 EXISTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLAN NORTH NORTH



1 KEY PLAN
SCALE: 1/32" - 1'-0"

NORTH

REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2016
DRAWN	EGB
FILE	#225093-TF

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PLANS

SF GURNEE - QUICK SERVE
EXT. REFRESH

SHEET NO.
A-1.1
X OF X

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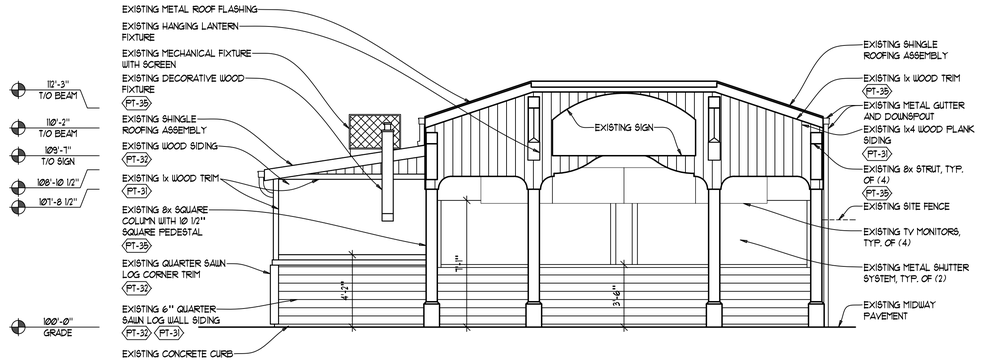
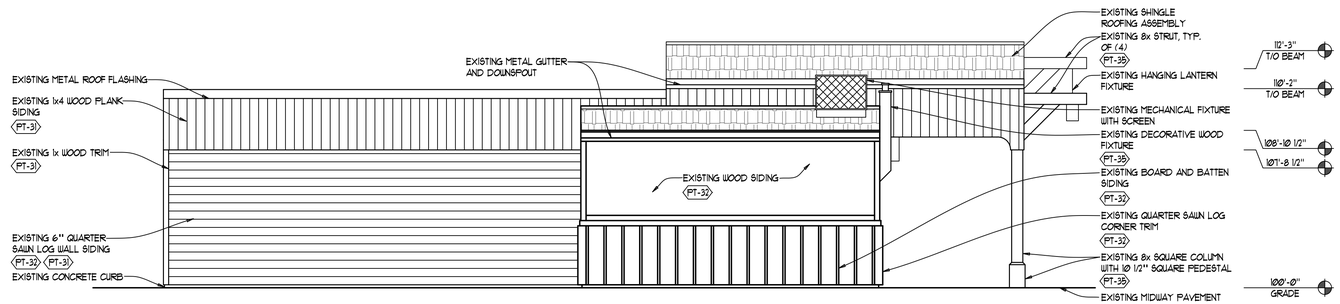
#225093-TF

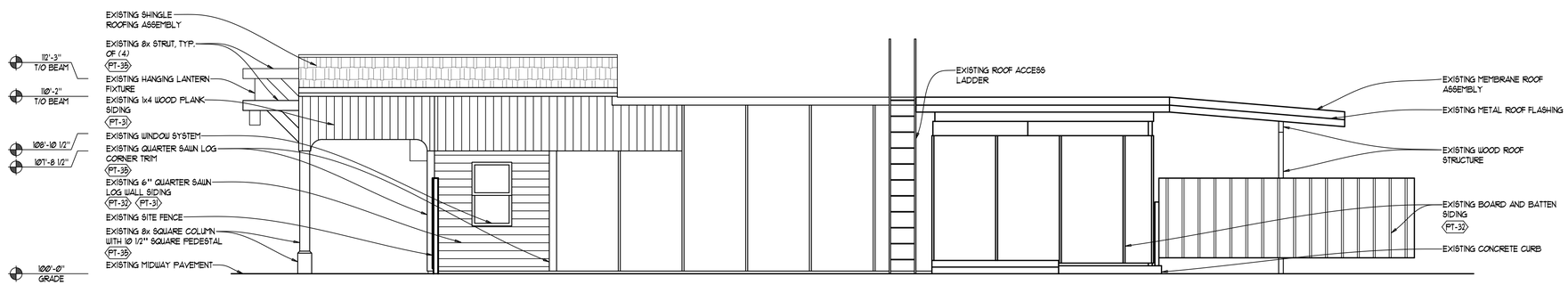
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-35	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6911	CONFIDENT YELLOW		



3 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

SCALE	VARIES
DATE	06-05-2026
DRAWN	EGB
FILE	#225093-TF

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ELEVATIONS

SF GURNEE - QUICK SERVE
EXT. REFRESH

SHEET NO.
A-2.1
X OF X

#225093-TF

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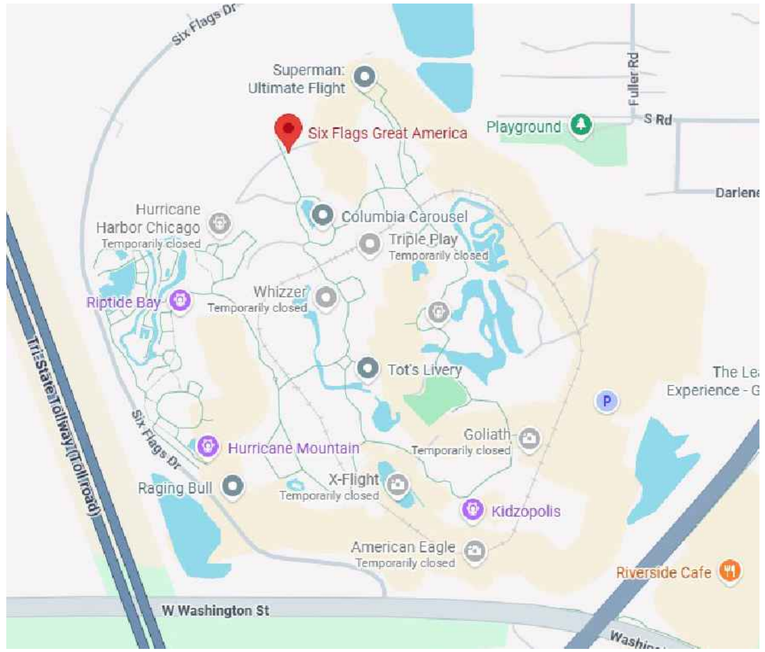
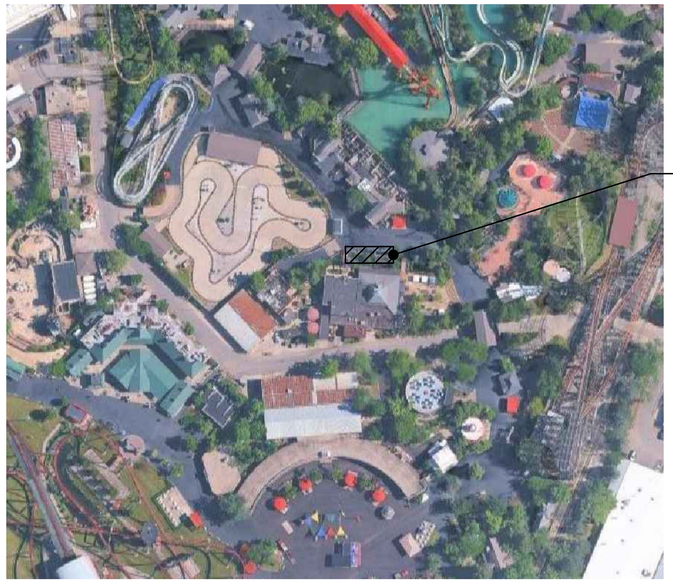


SITE PLAN
NOT TO A SCALE

NORTH



LOCATION PLAN
NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – STAND ALONE STRUCTURES**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7g-A-CVR	STAND ALONE STRUCTURES – COVER SHEET
06-05-26	7g-A-1.1	STAND ALONE STRUCTURES – PLANS
06-05-26	7g-A-2.1	STAND ALONE STRUCTURES – ELEVATIONS

ISSUE DATES

06-05-2026	ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - STAND ALONE STRUCTURES

ARCHITECT

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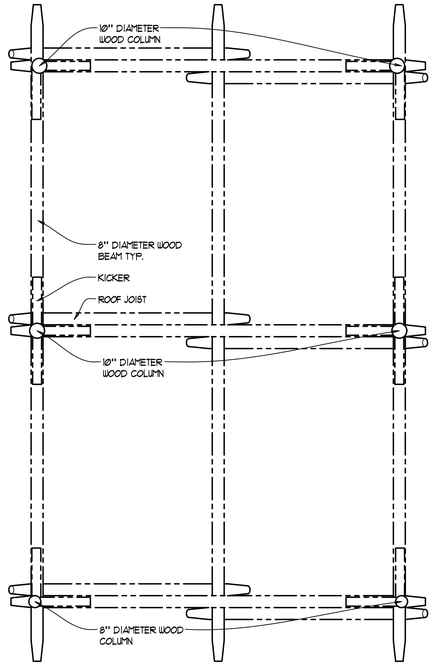
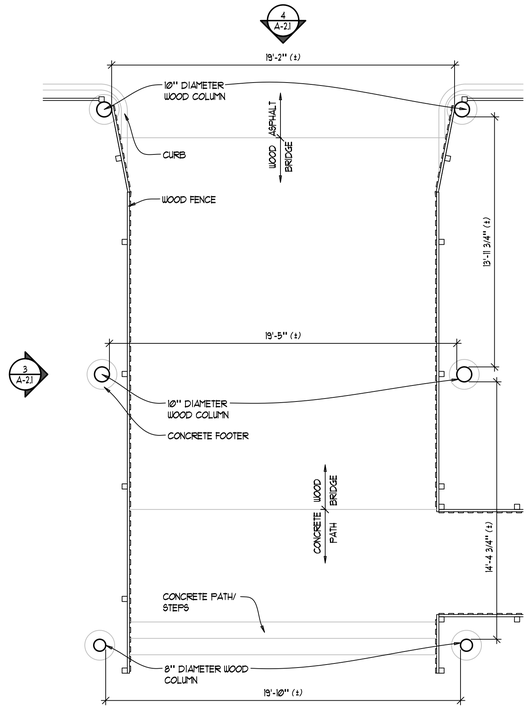
SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7g – STAND ALONE STRUCTURES

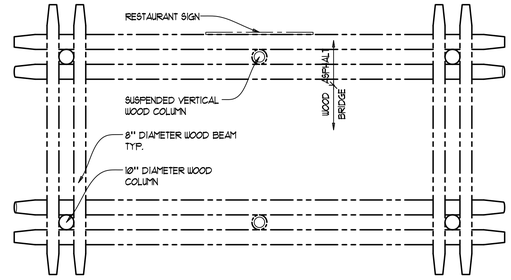


5 REFLECTED CEILING PLAN
SCALE: 1/4 = 1'-0"

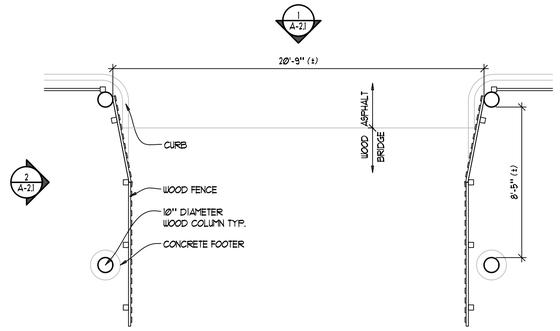


4 PLAN
SCALE: 1/4 = 1'-0"

PLAN NORTH NORTH

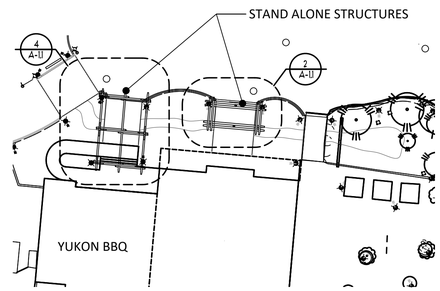


3 REFLECTED CEILING PLAN
SCALE: 1/4 = 1'-0"



2 PLAN
SCALE: 1/4 = 1'-0"

PLAN NORTH NORTH



1 KEY PLAN
SCALE: 1/32" - 1'-0"

TRUE NORTH

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REVISION	DESCRIPTION

SCALE	VARIES
DATE	06-05-2016
DRAWN	EGB
FILE	#125093-Tg

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Entertainment Corporation

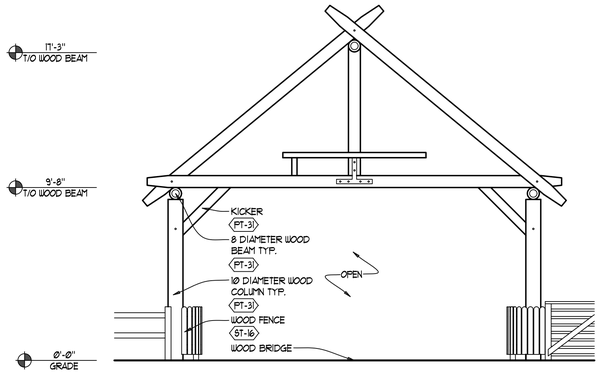
PLANS

SF GURNEE - STAND ALONE STRUCTURES EXT. REFRESH

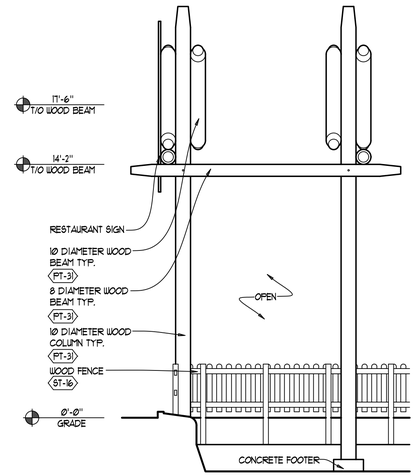
SHEET NO.
A-1.1
X OF X

#125093-Tg

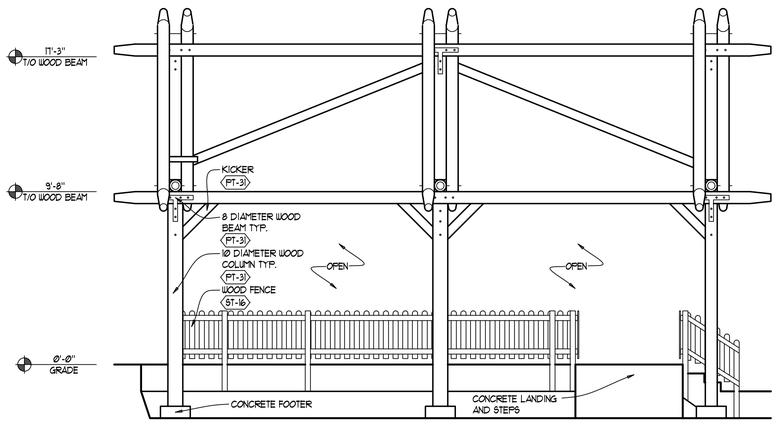
	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
ST-16	STAIN	SHERWIN WILLIAMS	TBD	TBD		



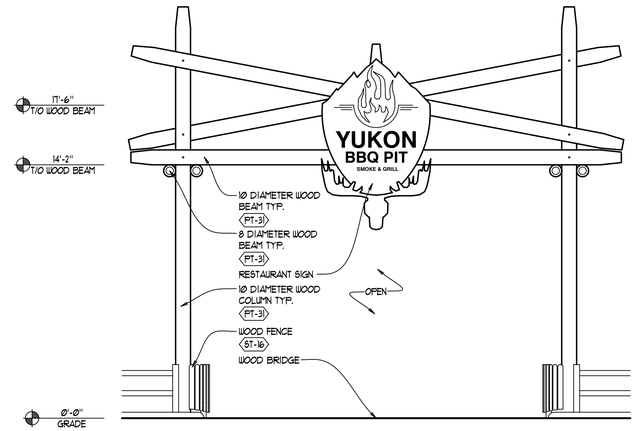
4 NORTH ELEVATION
SCALE: 1/4" - 1'-0"



2 WEST ELEVATION
SCALE: 1/4" - 1'-0"



3 WEST ELEVATION
SCALE: 1/4" - 1'-0"



1 NORTH ELEVATION
SCALE: 1/4" - 1'-0"

SCALE VARIES
DATE 06-05-2016
DRAWN EGB
FILE #125093-Tg

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ELEVATIONS

SF GURNEE - STAND ALONE
STRUCTURES EXT. REFRESH

SHEET NO.
A-2.1
X OF X

#125093-Tg

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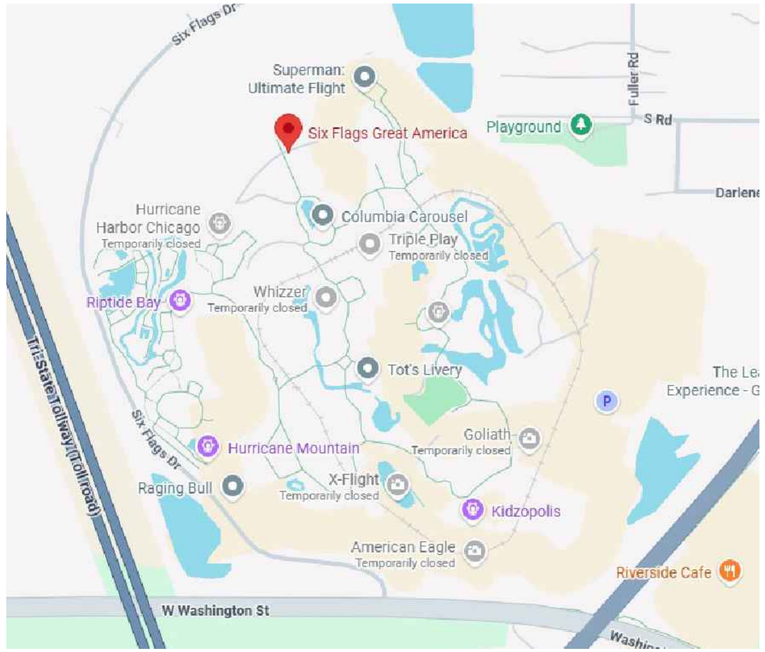
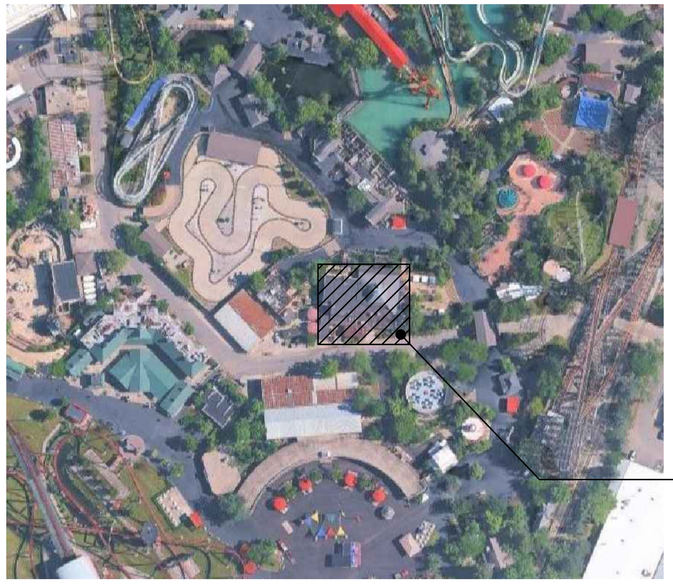


SITE PLAN
NOT TO A SCALE

NORTH



LOCATION PLAN
NOT TO A SCALE

NORTH

PROJECT DEFINITION

PROJECT NAME:	**SFGM – EXISTING BUILDINGS – YUKON BBQ**
PROJECT SCOPE:	EXTERIOR BUILDING REFRESH
LOCATION:	SIX FLAGS GREAT AMERICA 1 GREAT AMERICA PARKWAY GURNEE, IL 60031

DRAWING INDEX

ARCHITECTURAL

ISSUE DATE	SHEET NO.	DESCRIPTION
06-05-26	7h-A-CVR	YUKON BBQ – COVER SHEET
06-05-26	7h-A-1.1	YUKON BBQ – PLANS
06-05-26	7h-A-2.1	YUKON BBQ – ELEVATIONS
06-05-26	7h-A-2.2	YUKON BBQ – ELEVATIONS

ISSUE DATES

06-05-2026 ISSUED FOR PERMIT AND CONSTRUCTION

Six Flags GREAT AMERICA

SFGM - EXISTING BUILDINGS - YUKON BBQ

ARCHITECT

R S L COMMERCIAL ARCHITECTURE

8927 Rossash Road
Cincinnati, OH 45236

513-891-9950 PHONE
www.rslarch.com 513-891-9951 FAX

SIX FLAGS GREAT AMERICA – EXISTING BUILDINGS REFRESH #225093-7h – YUKON BBQ

2 EXISTING PLAN
SCALE: 1/8" - 1'-0"

PLAN NORTH NORTH

1 KEY PLAN
SCALE: 1/32" - 1'-0"

NORTH

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SCALE	VARIES
DATE	06-05-2016
DRAWN	XXX/XXX
FILE	#125093-Th

REVISION	DESCRIPTION

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8927 Rossash Road
Cincinnati, OH 45236
513-891-9950 PHONE
513-891-9951 FAX
www.rslarch.com

Six Flags Entertainment Corporation

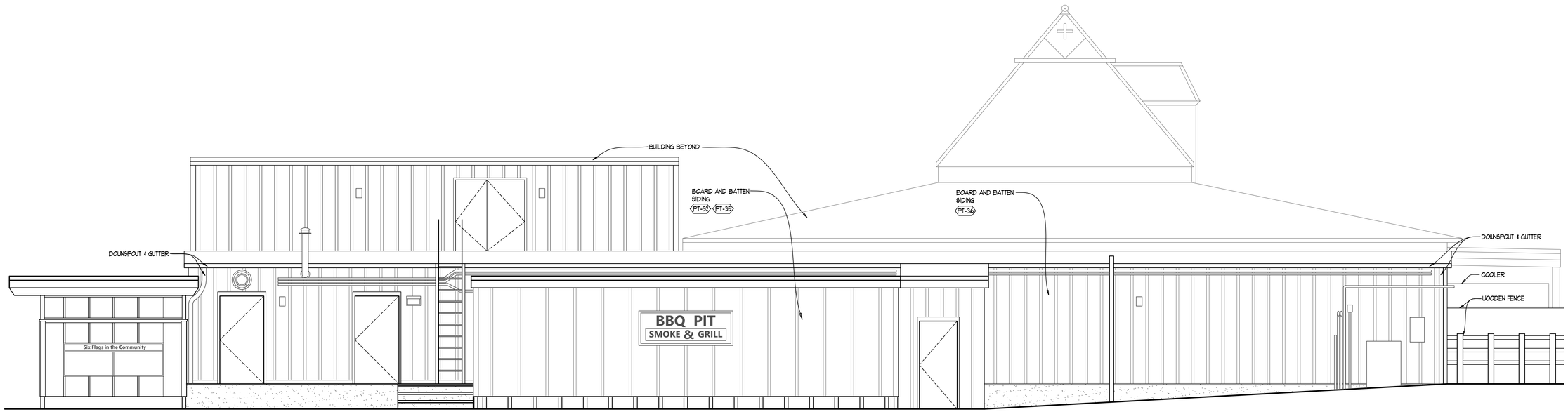
PLANS

SF GURNEE - YUKON BBQ EXT. REFRESH

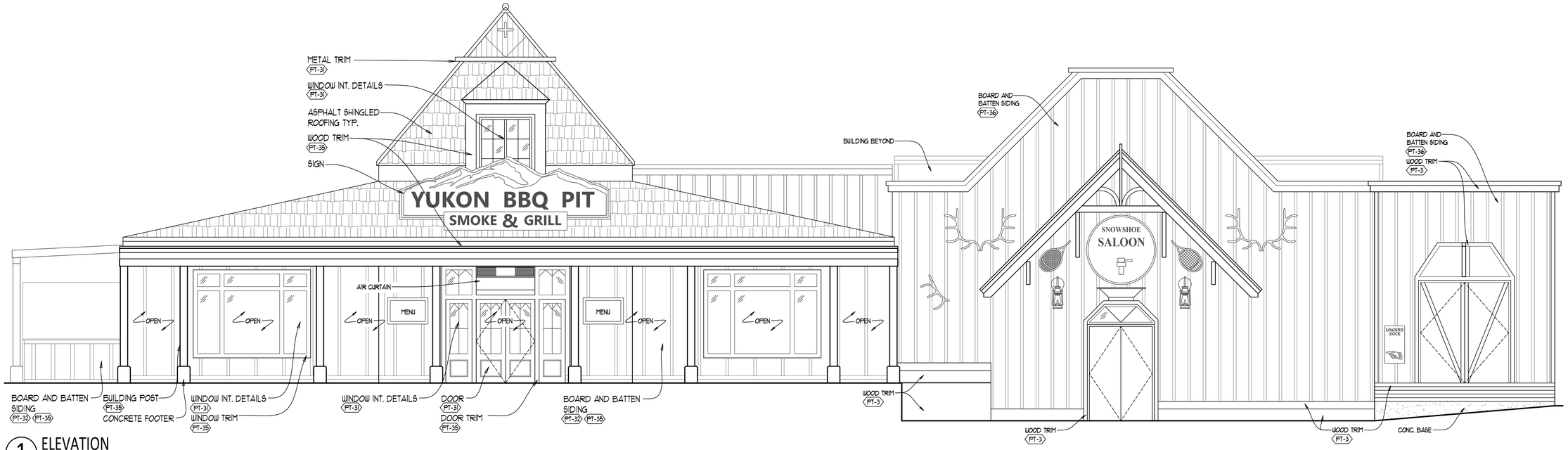
SHEET NO.
A-1.1
1 OF X

#125093-Th

	EXTERIOR SELECTION SCHEDULE					
NO.	MATERIAL TYPE	MANUFACTURER	PRODUCT/MODEL #	COLOR/ FINISH	FINISH NOTES	LOCATION/NOTES
PT-3	EXTERIOR PAINT	SHERWIN WILLIAMS	SW0045	ANTIQUARIAN BROWN		
PT-31	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6335	FIRED BRICK		
PT-32	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6440	COURTYARD		
PT-35	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6911	CONFIDENT YELLOW		
PT-36	EXTERIOR PAINT	SHERWIN WILLIAMS	SW6363	GINGERY		



2 ELEVATION
SCALE: 1/4" - 1'-0"



1 ELEVATION
SCALE: 1/4" - 1'-0"

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513-891-9950 PHONE
513-891-9951 FAX
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ELEVATIONS

SF GURNEE - YUKON BBQ
EXT. REFRESH

SHEET NO.
A-2.1
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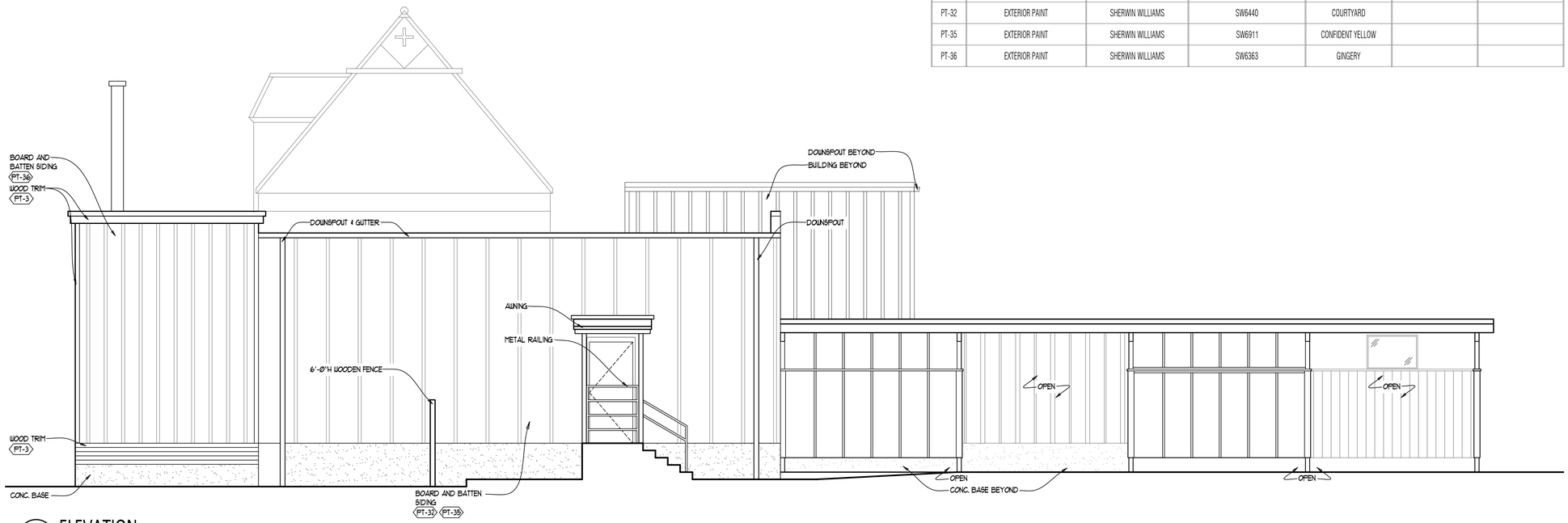
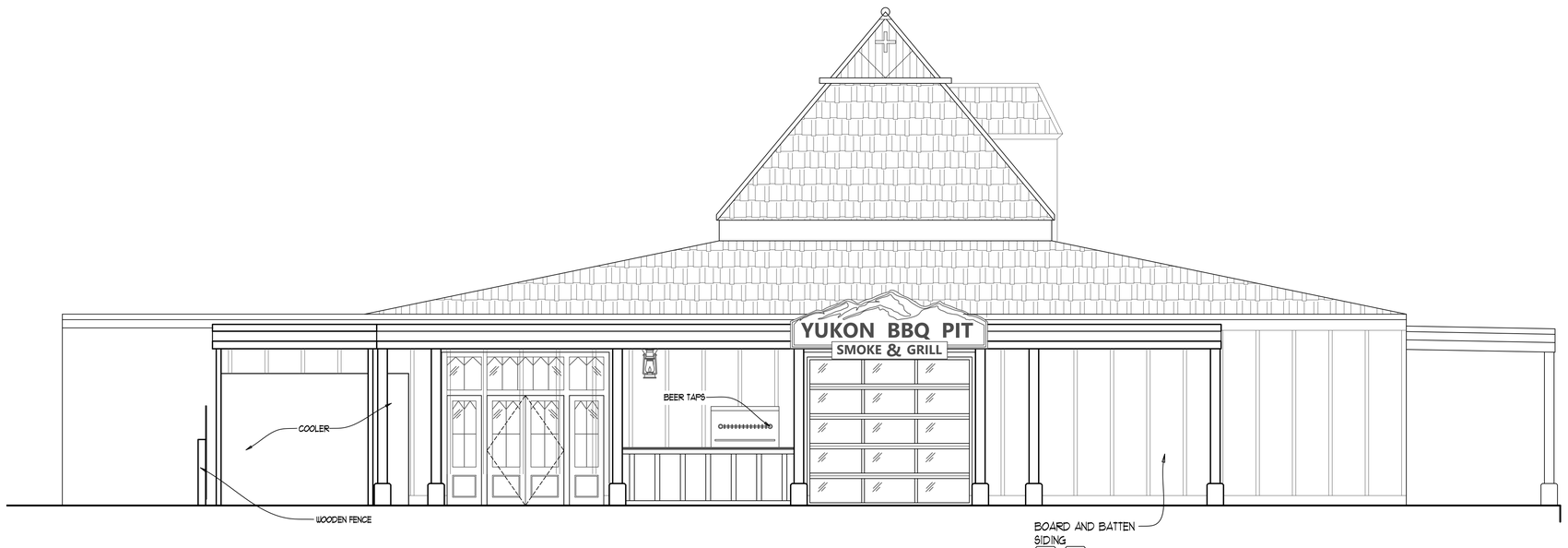


2 ELEVATION
SCALE: 1/4" - 1'-0"



1 ELEVATION
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ELEVATIONS

SF GURNEE - YUKON BBQ
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