

CLERMONT COUNTY PARK DISTRICT SYCAMORE PARK RIVER OVERLOOK

4082 OH-132
BATAVIA, OH 45103

06/14/2024

ISSUED FOR PERMIT AND BIDDING

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CONCEPT RENDERING

PROJECT DESCRIPTION

THE SCOPE OF THE PROJECT INVOLVES A NEW DECK STRUCTURE AT CLERMONT PARK DISTRICT'S SYCAMORE PARK.

CODE SUMMARY

SCOPE OF WORK
THE SCOPE OF THIS PROJECT IS FOR AN OUTDOOR, OPEN-AIR, DECK STRUCTURE WITH NO WALLS, DOORS, OR INTERIOR SPACES. THE INTENDED FUNCTION IS FOR RECREATIONAL VIEWING OF THE RIVER WALK AREA.

APPLICABLE CODES
OHIO BUILDING CODE (OBC) 2024
ANSI 117.1 FOR ACCESSIBILITY 2017
NATIONAL ELECTRICAL CODE (NEC) 2024

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION
A-5 ASSEMBLY. THIS IS AN OPEN-AIR PARK DECK STRUCTURE FOR RECREATIONAL VIEWING OF THE RIVER WALK AREA.

CONSTRUCTION CLASSIFICATION
TYPE VB

STRUCTURE HEIGHT AND STORIES
THE HIGHEST POINT OF THE DECK STRUCTURE IS APPROXIMATELY 8'-0" ABOVE GRADE.
ALLOWABLE HEIGHT: NS, 40' ACTUAL HEIGHT: 8'
ALLOWABLE STORIES: UL ACTUAL STORIES: 1

BUILDING AREA
ALLOWABLE AREA: VB, A-5 OCCUPANCY = UL
ACTUAL AREA: AREA OF THE DECK = 1,275 SF

DECK OCCUPANT LOAD
ASSEMBLY, STANDING: 1,275 SF / 5 NSF/PERSON = 255 OCCUPANTS
STAGES AND PLATFORMS: 1,275 SF/15 NSF/PERSON = 85 OCCUPANTS



AREA MAP



VICINITY MAP



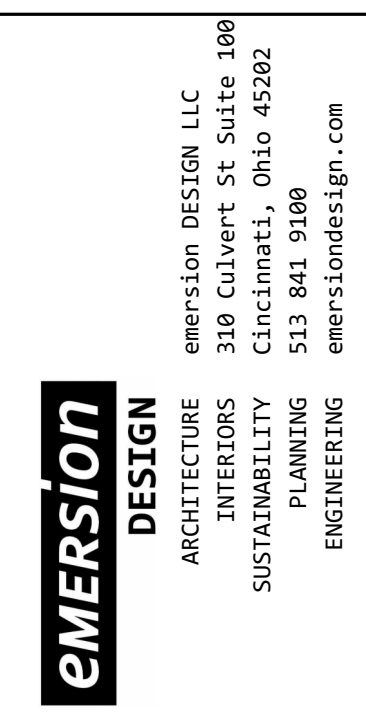
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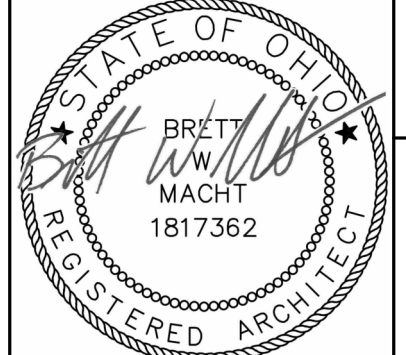


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DESIGNED BY: C. EDWARDS	CHECKED BY: S. DUFFY	DATE: 06/14/2024	PROJECT NO.: 062305
DRAWN BY: A. MORRISON	CHECKED BY: S. DUFFY		
PROJECT MANAGER: B. MACHT	PLOT SCALE:		
SHEET SIZE: 24x34	FILE NAME:		

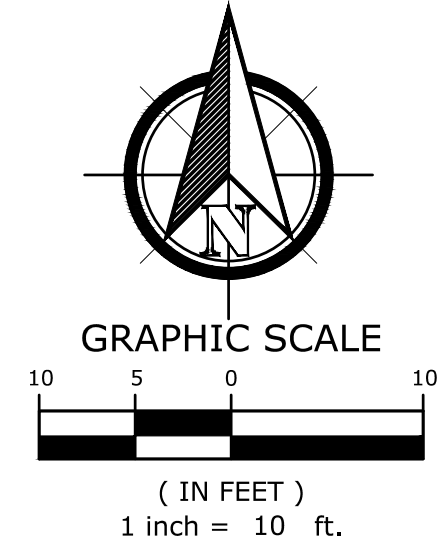
CLERMONT COUNTY PARK DISTRICT
SYCAMORE PARK RIVER OVERLOOK
4082 OH-132
BATAVIA, OH 45103
COVER SHEET



SHEET IDENTIFICATION
G-001

OHIO STATE PLANE COORDINATE SYSTEM,
SOUTH ZONE. ELEVATIONS ARE BASED ON GPS
OBSERVATIONS USING THE ODOT RTN SYSTEM.
NAD 1988.

SITE CONTROL				
Point #	Northing	Easting	Elevation	Description
1	393329.61	1489387.61	576.98	MAGS
2	393637.17	1489191.37	582.61	CMON
3	393222.21	1489273.70	581.37	MAGS



LEGEND

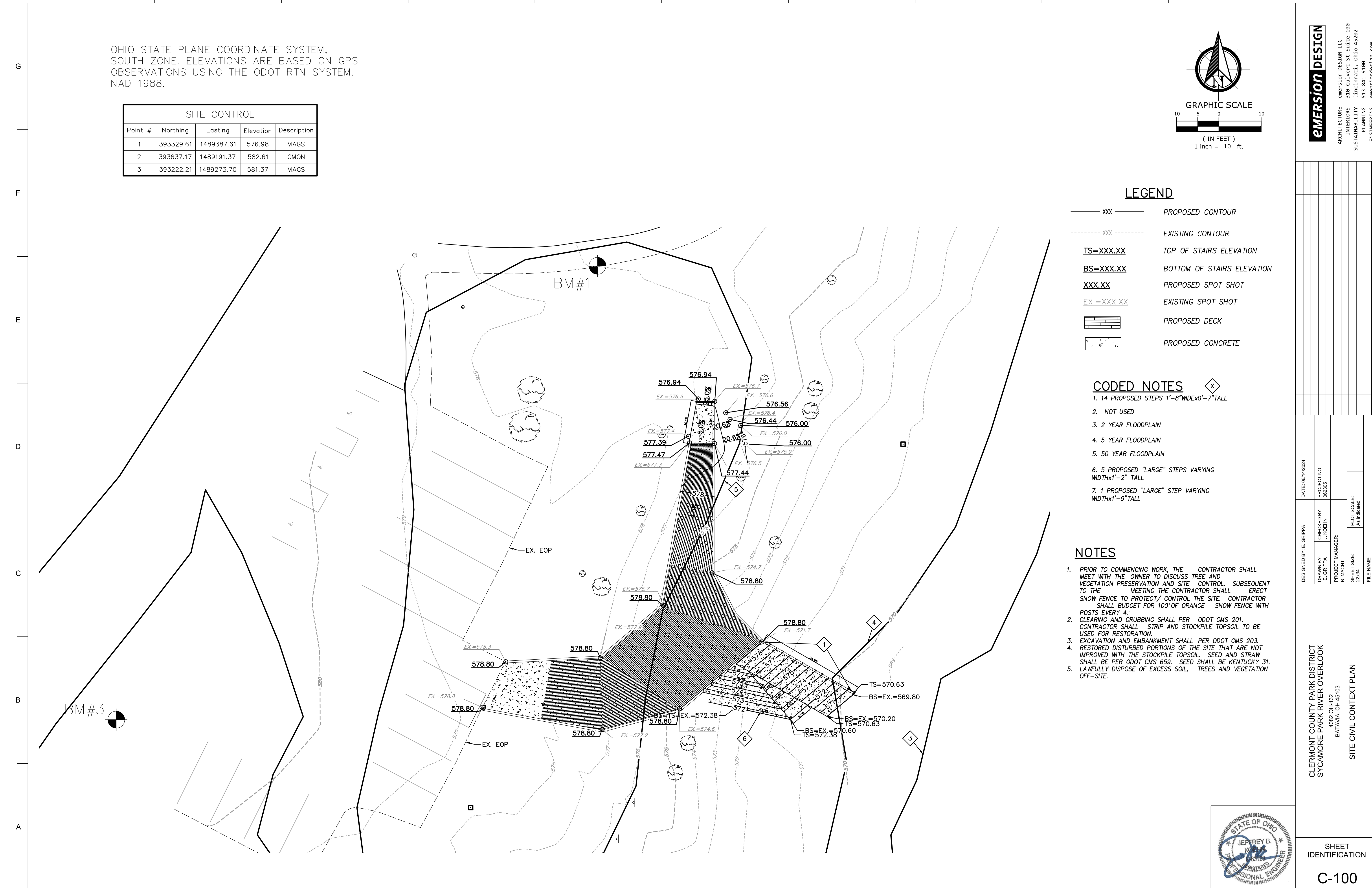
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TOP OF STAIRS ELEVATION
	BOTTOM OF STAIRS ELEVATION
	PROPOSED SPOT SHOT
	EXISTING SPOT SHOT
	PROPOSED DECK
	PROPOSED CONCRETE

CODED NOTES

- 14 PROPOSED STEPS 1'-8" WIDE x 0'-7" TALL
- NOT USED
- 2 YEAR FLOODPLAIN
- 5 YEAR FLOODPLAIN
- 50 YEAR FLOODPLAIN
- 5 PROPOSED "LARGE" STEPS VARYING WIDTH x 1'-2" TALL
- 1 PROPOSED "LARGE" STEP VARYING WIDTH x 1'-9" TALL

NOTES

- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL MEET WITH THE OWNER TO DISCUSS TREE AND VEGETATION PRESERVATION AND SITE CONTROL. SUBSEQUENT TO THE MEETING THE CONTRACTOR SHALL ERECT SNOW FENCE TO PROTECT/ CONTROL THE SITE. CONTRACTOR SHALL BUDGET FOR 100' OF ORANGE SNOW FENCE WITH POSTS EVERY 4'.
- CLEARING AND GRUBBING SHALL PER ODOT CMS 201. CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL TO BE USED FOR RESTORATION.
- EXCAVATION AND EMBANKMENT SHALL PER ODOT CMS 203.
- RESTORED DISTURBED PORTIONS OF THE SITE THAT ARE NOT IMPROVED WITH THE STOCKPILE TOPSOIL. SEED AND STRAW SHALL BE PER ODOT CMS 659. SEED SHALL BE KENTUCKY 31. LAWFULLY DISPOSE OF EXCESS SOIL, TREES AND VEGETATION OFF-SITE.



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DATE	DESCRIPTION	MARK

DESIGNED BY: E. GRIPPA	CHECKED BY: J. KOERN	DATE: 06/14/2024
DRAWN BY: E. GRIPPA	PROJECT NO.: 092305	PROJECT NO.:
PROJECT MANAGER: B. WICHT	SHEET SIZE: 22x34	PLOT SCALE: As indicated
FILE NAME:		

CLERMONT COUNTY PARK DISTRICT
 SYCAMORE PARK RIVER OVERLOOK
 4082 OH 132
 BATAVIA, OH 45103
 SITE CIVIL CONTEXT PLAN



SHEET IDENTIFICATION

C-100

ISSUED FOR PERMIT AND BIDDING

STRUCTURAL NOTES

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GOVERNING CODE

2024 OHIO BUILDING CODE (REFERENCES IBC 2021 & ASCE 7-16).

DESIGN LOADS

- 1. DECK LOAD: A. TRIST DECKING 5 1/2 PSF, B. JOIST FRAMING LOAD 3 1/2 PSF, C. MISCELLANEOUS 1 PSF, D. TOTAL DEAD LOAD ON JOISTS 10 PSF MIN, E. BEAM FRAMING DEAD LOAD 2 PSF, F. TOTAL ON BEAMS 12 PSF MIN, LIVE LOAD 100 PSF, SNOW LOAD, WIND LOAD, SEISMIC LOAD...

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.

LATERAL LOAD RESISTING SYSTEM

- 1. THE LATERAL LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING ELEMENTS:
A. ORDINARY REINFORCED CONCRETE SHEAR WALLS THROUGHOUT

FOUNDATIONS

- 1. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY TERRACON, DATED JULY 28, 2023.
A. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL.
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 1/2" 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.
4. FOUNDATION ELEVATIONS SHOWN ARE FOR BIDDING PURPOSES AND MAY VARY TO SUIT SUB-SURFACE SOIL CONDITION.
5. FROST DEPTH IS 30 INCHES BELOW GRADE.
6. FOUNDATIONS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL.
7. BACKFILL AGAINST WALLS:
A. INTERIOR FACE OF BASEMENT WALLS OR SHALLOW FOUNDATIONS WALLS:
i. CLSM OR IMPERVIOUS FILL (COMPACTED IN 6" LIFTS TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN +/- 3% OPTIMUM MOISTURE CONTENT)...

CAST-IN-PLACE CONCRETE (03-30-00)

- 1. CONCRETE MIXTURES: REFER TO CONCRETE MIXTURE REQUIREMENTS TABLE FOR CONCRETE MIX INFORMATION.
2. CONCRETE MATERIALS:
A. CEMENTITIOUS MATERIALS:
i. PORTLAND CEMENT: ASTM C150, TYPE II.
ii. BLENDED HYDRAULIC CEMENT: ASTM C595, TYPE II, PORTLAND LESTMONE CEMENT FLY ASH: ASTM C618, CLASS F OR C.
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.
D. WATER: ASTM C94 AND POTABLE

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.
C. CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTRACTION JOINT LOCATION.
E. PROVIDE CONTRACTION/CONSTRUCTION JOINTS IN CONCRETE WALLS AT A MAXIMUM SPACING OF TWICE THE HEIGHT OF THE WALL ABOVE THE TOP OF FOOTING.

- 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.
4. CONCRETE PLACEMENT
A. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL CONCRETE STRENGTH HAS REACHED 0.75 Fc 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.
ii. FORMED BY EXPANDED METAL LEAVE-IN-PLACE MESH.
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".
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).

CONCRETE REINFORCING (03-20-00)

- 1. MATERIALS
A. DEFORMED BARS: ASTM A615, OR ASTM A706, GRADE 60.
i. ASTM A706 DEFORMED BARS ARE REQUIRED FOR ALL WELDED REINFORCING BARS.
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. SEE REINFORCING BAR DEVELOPMENT TABLES FOR REQUIRED DEVELOPMENT AND LAP SPlice LENGTHS.
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.
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 (06-10-00)

- 1. WOOD FRAMING MATERIALS:
A. DIMENSION FRAMING LUMBER (EXTERIOR APPLICATIONS): AWPA USE CATEGORY UC3B FOR ABOVE GROUND EXTERIOR FRAMING.
B. ANCHORS AND FASTENERS:
A. ANCHOR RODS: ASTM F594 STAINLESS STEEL THREADED RODS w/ ASTM F594 STAINLESS STEEL NUTS, AND ASTM A340 STAINLESS STEEL WASHERS, TYPE 304 OR 316 OR ASTM F1554, GRADE 36 ANCHOR RODS WITH NUTS AND WASHERS, HOT DIP GALVANIZED ANCHORS ARE NOT REQUIRED FOR INTERIOR APPLICATIONS USING BORATE PRESERVATIVE 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.
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.
5. NOTCHES IN FLOOR JOISTS AND ROOF RAFTERS SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN.
6. ALL MULTIPLE HEADERS AND BEAMS WITH DEPTH LESS THAN 14 INCHES SHALL BE FASTENED TOGETHER WITH MINIMUM (3) ROWS OF 0.148"x3" LONG NAILS AT 12" O.C.

POST INSTALLED ANCHORS

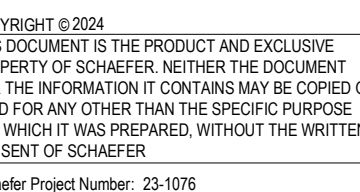
- 1. INSTALLATION: INSTALL ANCHORS PER EVALUATION REPORT AND MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
2. CONNECTIONS TO EXISTING REINFORCED CONCRETE OR MASONRY: PRIOR TO DRILLING, VERIFY LOCATIONS OF EXISTING REINFORCING BARS USING A REBAR DETECTOR.
3. TESTING AND INSPECTION: REFER TO EVALUATION REPORTS FOR ADDITIONAL TESTING AND INSPECTION REQUIREMENTS.
4. SUBSTITUTIONS: SUBSTITUTIONS COMPLYING WITH SPECIFIED ACCEPTANCE CRITERIA MAY BE CONSIDERED.
A. ANCHORAGE TO CONCRETE: SIMPSON STRONG-TIE "STRONG-BOLT 2" 316 STAINLESS STEEL (EVALUATION REPORT: ICC-ES ESR-3037), SUBSTITUTES COMPLYING WITH ACCEPTANCE CRITERIA ICC-ES AC193 AND ACI 355.2 FOR USE IN CRACKED CONCRETE MAY BE CONSIDERED.

SPECIAL INSPECTIONS

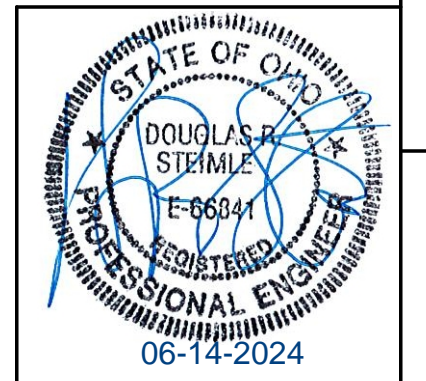
- 1. SPECIAL INSPECTIONS ARE REQUIRED BY SECTION 1704 OF THE REFERENCED BUILDING CODE. THE INTENT OF SPECIAL INSPECTIONS IS TO VERIFY THE COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND/OR PLACEMENT OF COMPONENTS WITH THE COMPLETED SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
A. 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.

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Table with 4 columns: DESIGNED BY, CHECKED BY, PROJECT NO., PLOT SCALE. Includes fields for MFC, JSC, MFC, PROJECT MANAGER, SHEET SIZE, FILE NAME.

Table with 4 columns: DATE, PROJECT NO., PROJECT MANAGER, SHEET SIZE. Includes values for 06/14/2024, 052305, PROJECT MANAGER, 22x34.

CLERMONT COUNTY PARK DISTRICT SYCAMORE PARK RIVER OVERLOOK 4082 OH-132 BATAVIA, OH 45103 GENERAL NOTES SHEET IDENTIFICATION S-001

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 Engineer	
2. Excavations	Verify excavations are extended to proper depth and have reached proper material		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
3. Fill Classification	Perform classification and testing of compacted fill materials		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
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 Engineer	

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 they are an Approved Fabricator.
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. 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 Welding Inspector	
	c. Inspect all other welds	X			Testing Agency AWS - Certified Welding Inspector	
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	
	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 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 (b) Completion of the continuity of reinforcement across joints. (c) Completion of connections in the field.			X	Testing Agency	
12. Precast Concrete Diaphragms	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	

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

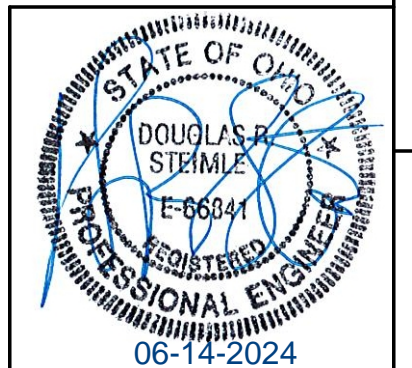
ABBREVIATIONS	
NAME	DESCRIPTION
LDV	LONG DIMENSION VERTICAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LS	LAP SPICE LENGTH OF REINFORCING BAR IN CONCRETE
LS-CMU	LAP SPICE LENGTH OF REINFORCING BAR IN GROUTED CMU
Lsc	COMPRESSION LAP SPICE LENGTH OF REINFORCING BAR IN CONCRETE
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
MCJ	MASONRY CONTROL JOINT
MFR	MANUFACTURER
NS	NEAR SIDE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PIT	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
TI	TOP OF
UNO	UNLESS NOTED OTHERWISE
VB	VERTICAL BRACING
VERT	VERTICAL
VIF	VERIFY IN FIELD
WI	WITH
WP	WORK POINT

SYMBOL LEGEND		
SYMBOL	DESCRIPTION	REFERENCE
⊖	COLUMN LINE DESIGNATION	
⊙	FOOTING MARK	SHEET S-101
⊙ _{Kn}	KEYNOTE MARK	
⬆	ELEVATION INDICATION	
↖	DECK MARK	SHEET S-101
▶	STEP T/FTG	SHEET S-101

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DATE

DESCRIPTION

MARK

DESIGNED BY: MPC
DATE: 06/14/2024
DRAWN BY: JSC
CHECKED BY: MPC
PROJECT NO.: 062305
PROJECT MANAGER: DRS
SHEET SIZE: 22x34
PLOT SCALE: 1/8" = 1'-0"

FILE NAME:

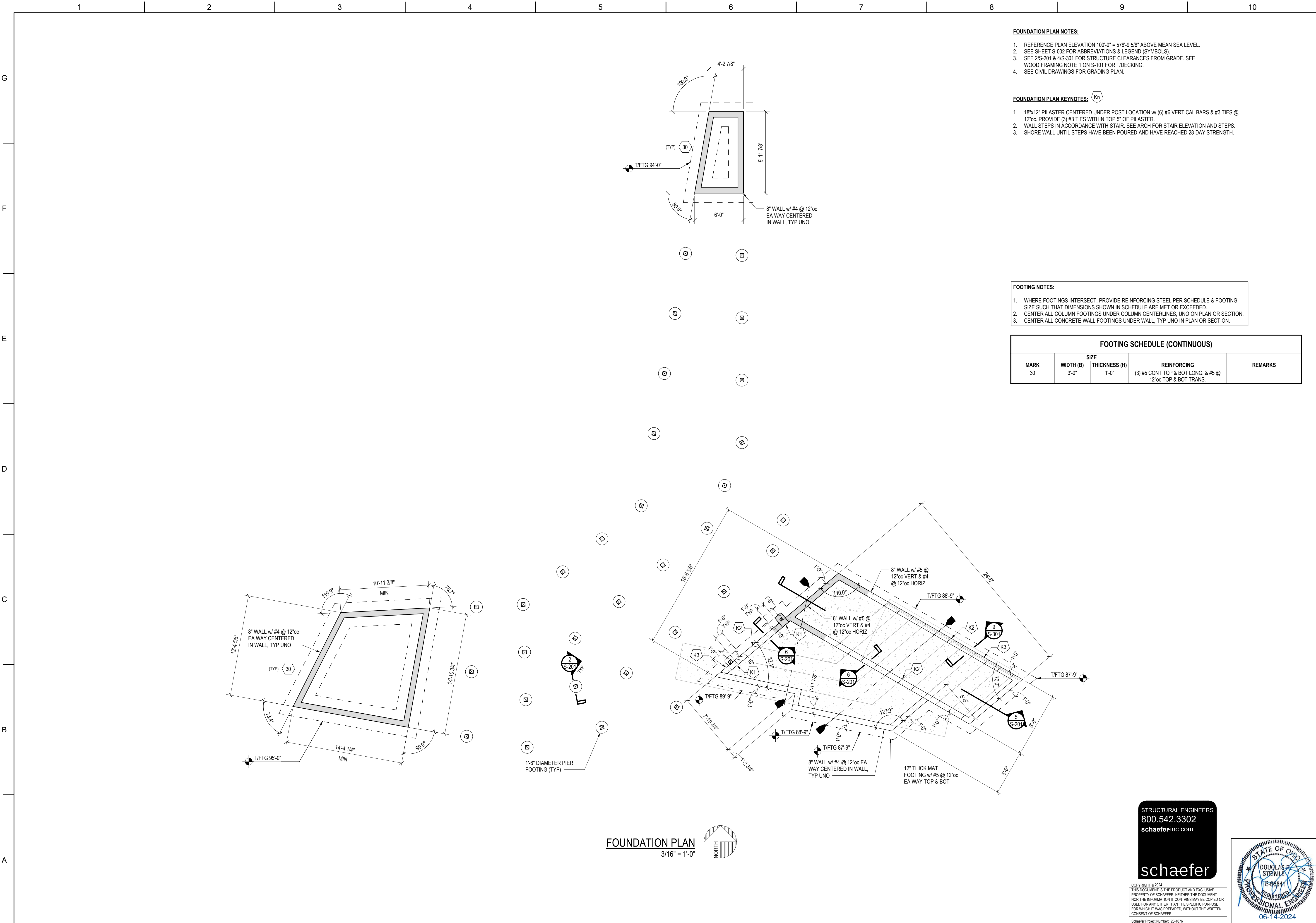
CLERMONT COUNTY PARK DISTRICT
SYCAMORE PARK RIVER OVERLOOK
4082 OH-132
BATAVIA, OH 45103
SPECIAL INSPECTIONS

SHEET IDENTIFICATION
S-002

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- FOUNDATION PLAN NOTES:**
1. REFERENCE PLAN ELEVATION 100'-0" = 578'-9-5/8" ABOVE MEAN SEA LEVEL.
 2. SEE SHEET S-002 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
 3. SEE 2/S-201 & 4/S-301 FOR STRUCTURE CLEARANCES FROM GRADE. SEE WOOD FRAMING NOTE 1 ON S-101 FOR TIECHECKING.
 4. SEE CIVIL DRAWINGS FOR GRADING PLAN.

- FOUNDATION PLAN KEYNOTES:** K1
1. 18"x12" PILASTER CENTERED UNDER POST LOCATION w/ (6) #6 VERTICAL BARS & #3 TIES @ 12"oc. PROVIDE (3) #3 TIES WITHIN TOP 5" OF PILASTER.
 2. WALL STEPS IN ACCORDANCE WITH STAIR. SEE ARCH FOR STAIR ELEVATION AND STEPS.
 3. SHORE WALL UNTIL STEPS HAVE BEEN POURED AND HAVE REACHED 28-DAY STRENGTH.

- FOOTING NOTES:**
1. WHERE FOOTINGS INTERSECT, PROVIDE REINFORCING STEEL PER SCHEDULE & FOOTING SIZE SUCH THAT DIMENSIONS SHOWN IN SCHEDULE ARE MET OR EXCEEDED.
 2. CENTER ALL COLUMN FOOTINGS UNDER COLUMN CENTERLINES, UNO ON PLAN OR SECTION.
 3. CENTER ALL CONCRETE WALL FOOTINGS UNDER WALL, TYP UNO IN PLAN OR SECTION.

FOOTING SCHEDULE (CONTINUOUS)			
MARK	SIZE		REINFORCING
	WIDTH (B)	THICKNESS (H)	
30	3'-0"	1'-0"	(3) #5 CONT TOP & BOT LONG. & #5 @ 12"oc TOP & BOT TRANS.

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DATE

DESCRIPTION

MARK

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DRAWN BY: JSC	PROJECT MANAGER: DPS	SHEET SIZE: 22x34	PLOT SCALE: As Indicated	PROJECT NO.:	DATE:
CLERMONT COUNTY PARK DISTRICT SYCAMORE PARK RIVER OVERLOOK 4082 OH-132 BATAVIA, OH 45103 FOUNDATION PLAN					

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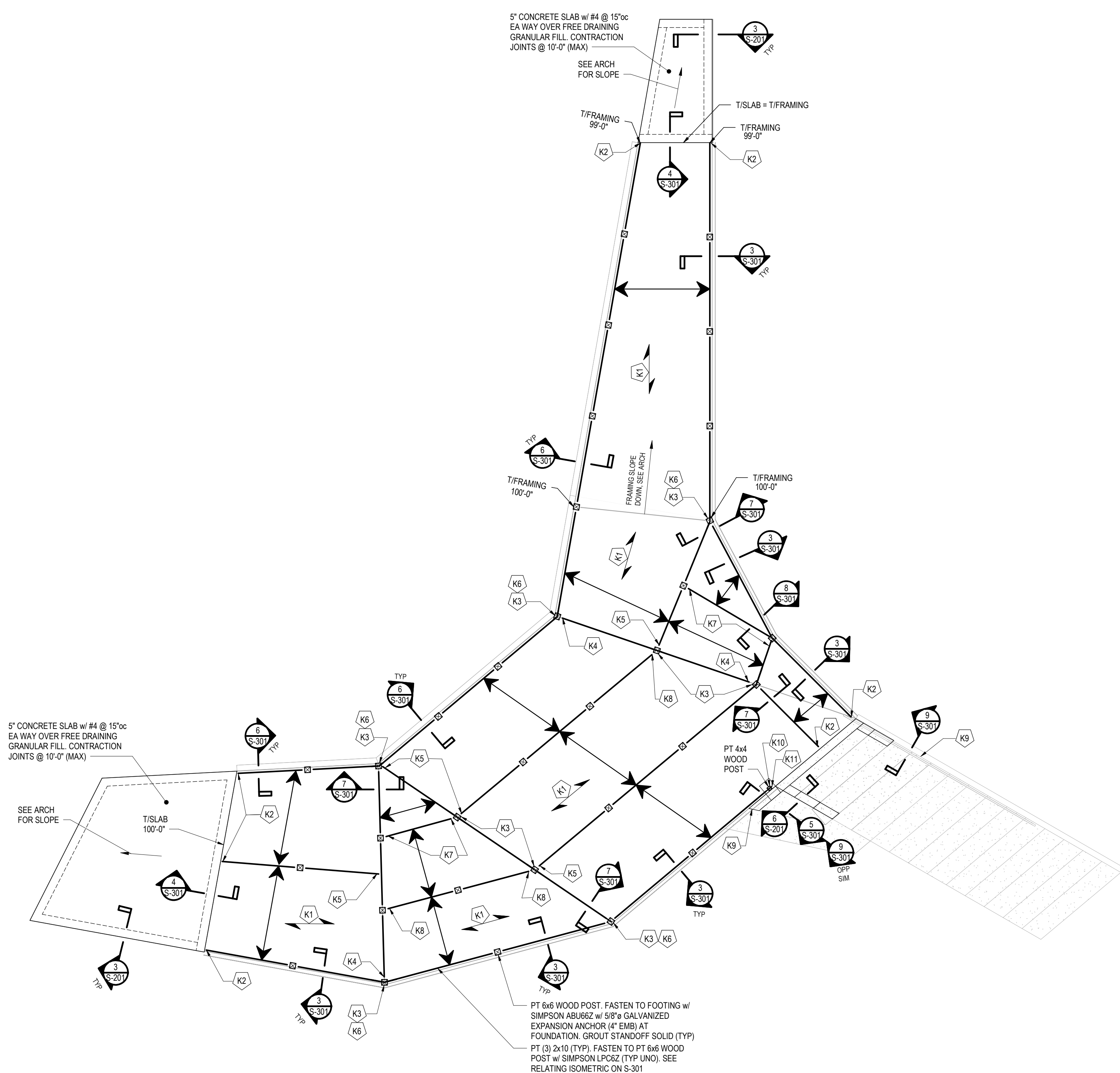
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 PROFESSIONAL ENGINEER
 DOUGLAS R. STEINLA
 E-66041
 06-14-2024

SHEET IDENTIFICATION

S-101

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- WOOD FRAMING PLAN NOTES:**
- T/FRAMING: 100'-0", TYPICAL UNLESS NOTED OTHERWISE ON PLAN.
 - BACKGROUND ARCHITECTURAL LAYOUT:
 - LAYOUT SHOWN IS FLOOR BELOW.
 - DIMENSIONS ARE TO FACE OF STUD OR MASONRY, UNO.
 - REFER TO THE FOLLOWING:
 - SHEET S-001 & S-002 STRUCTURAL NOTES, ABBREVIATIONS & LEGENDS (SYMBOLS).
 - SHEET S-001 & S-002 WOOD SHEATHING & WOOD STRUCTURE NOTES.
 - WHERE DECK JOIST WILL CONFLICT w/ RAILING POST SHOWN IN 2/S-301, USE 1/S-301 INSTEAD.
 - WHERE JOIST LOCATIONS DO NOT PROVIDE SUFFICIENT SUPPORT FOR TREX DECKING IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS, PROVIDE SUPPLEMENTAL 2x BLOCKING TO ENSURE MANUFACTURER REQUIREMENTS ARE MET. FASTEN EA END OF 2x BLOCKING TO SUPPORTING JOISTS w/ SIMPSON A34.

- WOOD FRAMING PLAN KEYNOTES:**
- TREX DECKING, REF. SPEC. FOR PRODUCT SELECTION. ANGLE BETWEEN DECK SPAN DIRECTION AND JOIST SPAN DIRECTION SHALL BE AT LEAST 60 DEGREES.
 - SIMPSON HUC210-3 w/ (14) 1/4"x1 3/4" TITEN 2 SCREWS INTO CONCRETE WALL & (6) 0.148"x3" NAILS INTO (3) 2x10 BEAM. ENSURE 3" MIN EDGE DISTANCE FOR CONCRETE.
 - RUN BEAMS AT POST. MITER BEAM ENDS, AS NEEDED, TO ENSURE FLUSH FIT. BEAM INTERSECTION TO OCCUR AT POST CENTERLINE. FASTEN UNDERSIDE OF BEAM TO SIDE OF POST w/ SIMPSON A35.
 - FASTEN BEAM TO EACH SUPPORTING BEAM w/ SIMPSON LS50.
 - SIMPSON HU210-3TF.
 - SIMPSON LS50.
 - SIMPSON HUC210-3 (SKEWED) w/ (18) 0.162"x x 3 1/2" RING SHANK NAILS INTO SUPPORTING BEAMS & (10) 0.148"x x 3" RING SHANK NAILS INTO SUPPORTED BEAM.
 - SIMPSON HHUS210-3 (SKEWED) w/ (30) 0.162"x x 3 1/2" NAILS INTO SUPPORTING BEAMS & (10) 0.162"x x 3 1/2" NAILS INTO SUPPORTED BEAM. ENSURE SUPPORTED BEAM IS BEVEL CUT & SITS FLUSH INSIDE HANGER.
 - SHORE WALL UNTIL STEPS HAVE BEEN POURED AND HAVE REACHED 28-DAY STRENGTH.
 - FASTEN TO FOOTING w/ SIMPSON ABU44Z w/ 5/8" GALVANIZED EXPANSION ANCHOR (4" EMB) AT FOUNDATION. GROUT STANDOFF SOLID.
 - CONTINUE PT (3) 2x10, 1 1/2" BEYOND FACE OF POST. FASTEN (3) PT 2x10 BEAM w/ SIMPSON A34 ON OPPOSITE SIDES OF POST.

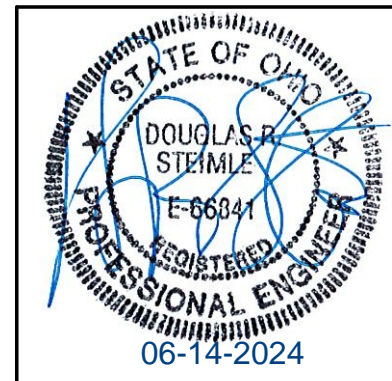
WOOD FRAMING LEGEND:

SYMBOL	DESCRIPTION
←→	PT 2x10 @ 12"oc SUPPORT OF JOISTS: AT PERPENDICULAR CONNECTION: JBA210A EA END AT SKEWED CONNECTION: HU210
SPAN ARROW VISUAL DESCRIPTION:	

DECK FRAMING PLAN
3/16" = 1'-0"
NORTH

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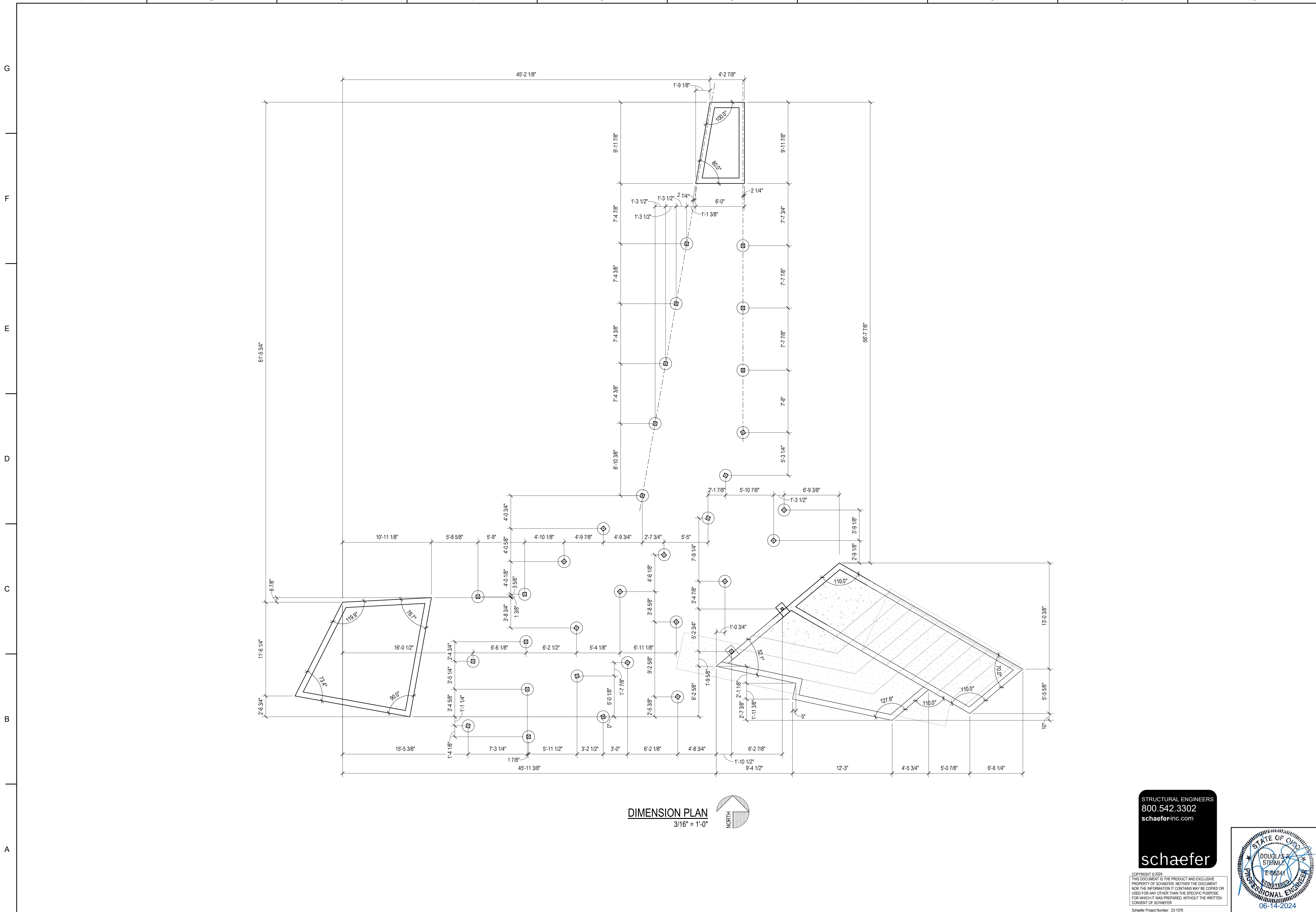
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NO.	DATE	DESCRIPTION	MARK

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DRAWN BY: JSC	PROJECT MANAGER: DAS	SHEET SIZE: 22x34	PLOT SCALE: As Indicated
FILE NAME:		MARK	

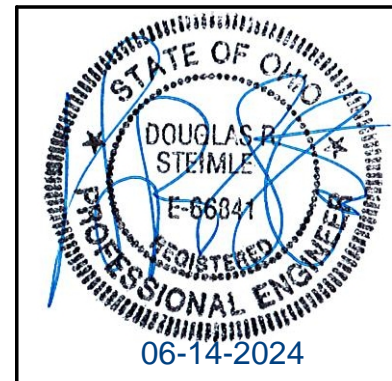
CLERMONT COUNTY PARK DISTRICT
SYCAMORE PARK RIVER OVERLOOK
4082 OH-132
BATAVIA, OH 45103

FRAMING PLAN
SHEET IDENTIFICATION
S-102



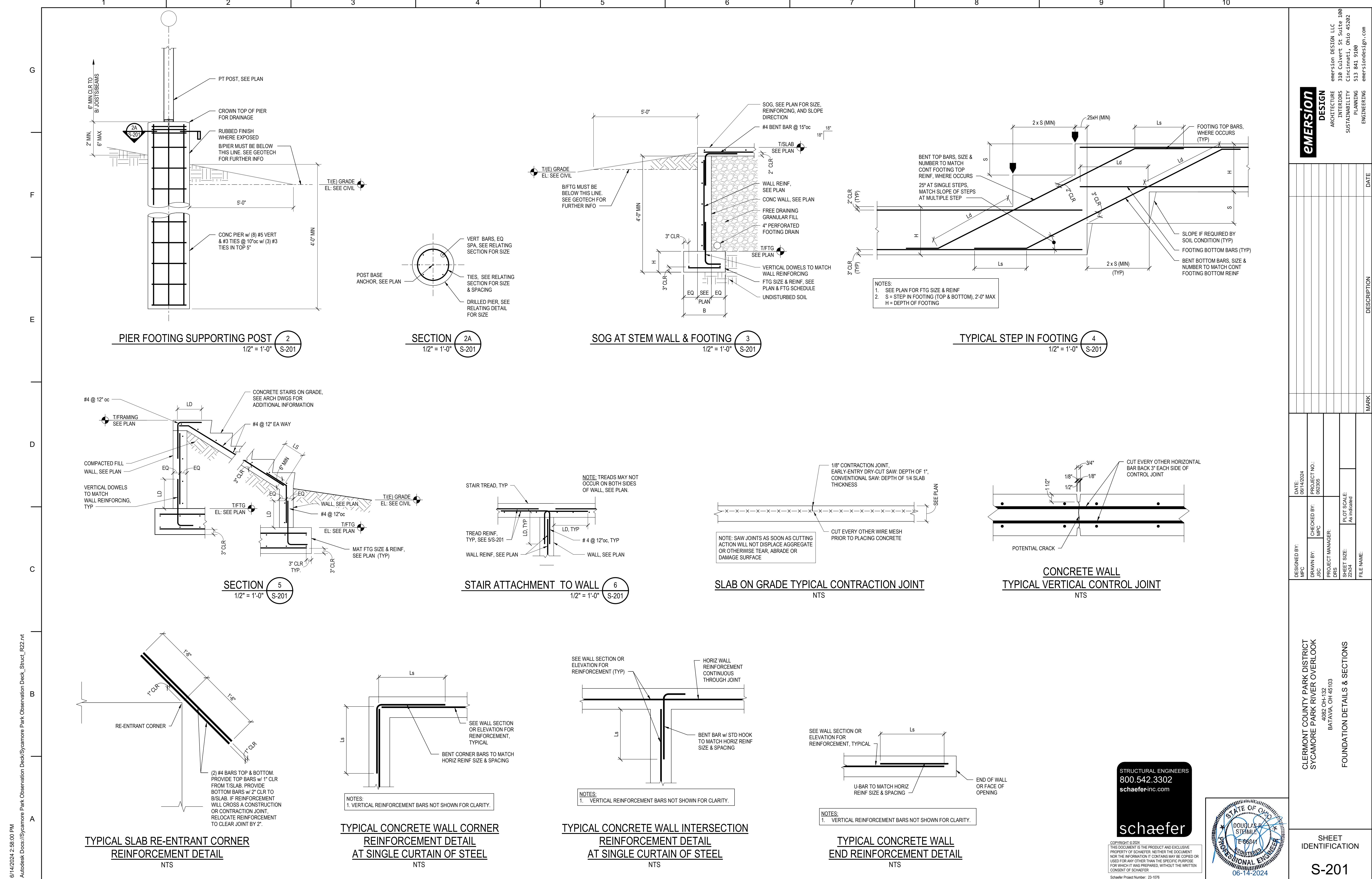
DIMENSION PLAN
 3/16" = 1'-0"
 NORTH

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CLERMONT COUNTY PARK DISTRICT SYCAMORE PARK RIVER OVERLOOK 4082 OH-132 BATAVIA, OH 45103 DIMENSION PLAN		MARK
DESIGNED BY: MPC	CHECKED BY: MPC	DATE: 06/14/2024
DRAWN BY: JSC	PROJECT MANAGER: DPS	PROJECT NO.: 062305
SHEET SIZE: 22x34	FILE NAME:	PLOT SCALE: 3/16" = 1'-0"
SHEET IDENTIFICATION		
S-103		



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DATE	DESCRIPTION	MARK

DESIGNED BY: MPC	CHECKED BY: JSC	PROJECT NO.: 052305	DATE: 06/14/2024
DRAWN BY: MPC	PROJECT MANAGER: DRS	SHEET SIZE: 22x34	PLOT SCALE: As Indicated
FILE NAME:			

CLERMONT COUNTY PARK DISTRICT
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 BATAVIA, OH 45103

FOUNDATION DETAILS & SECTIONS

SHEET IDENTIFICATION
S-201

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STATE OF OHIO
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 E-66041
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Table with columns for FOOTINGS (fc = 3000PSI), GRADE BEAMS (fc = 3000PSI), FOUNDATION WALLS (fc = 4500PSI), EXTERIOR RETAINING WALLS (fc = 4500PSI), and DRILLED PIERS (fc = 3000PSI). Each column includes sub-columns for BAR SIZE, OTHER BARS, TOP BARS, and Ldh, with values in inches.

Table with 5 columns for LAP AND DEVELOPMENT TABLE CRITERIA. Each column contains sub-sections A (Grade 60 Uncoated Reinforcing Steel), B (Normal Weight Concrete), C (Clear Cover Greater Than db), and D (Min 2" db Clear Spacing Between Bars). It also includes criteria for bars that do not meet clear cover or spacing requirements.

LAP AND DEVELOPMENT TABLE NOTES & DEFINITIONS. Contains sub-sections A through H defining terms like TOP BARS, BAR DIAMETER, CENTER-TO-CENTER BAR SPACING, TOTAL AREA OF TIES OR STIRRUPS, HOOKED BARS, and splice requirements.

CONCRETE MIXTURE REQUIREMENTS table with columns for CONCRETE CLASS, DESCRIPTION, EXPOSURE CLASS (F, S, W, C), MINIMUM fc AT 28 DAYS (PSI), MAXIMUM w/c RATIO, AIR CONTENT, MINIMUM CEMENTITIOUS MATERIAL (LB/CY), and REMARKS. Includes notes and remarks for concrete mixture design.

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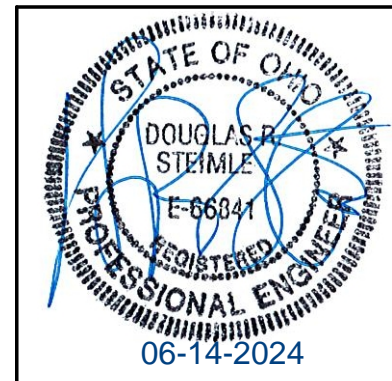
Table with columns for DATE and DESCRIPTION. The DATE column is currently empty.

Table with columns for DESIGNED BY, DRAWN BY, PROJECT MANAGER, SHEET SIZE, and FILE NAME. Values include MPC, JSC, DRS, and 22x34.

CLERMONT COUNTY PARK DISTRICT SYCAMORE PARK RIVER OVERLOOK. 4082 OH-132 BATAVIA, OH 45103. CONCRETE SCHEDULES.

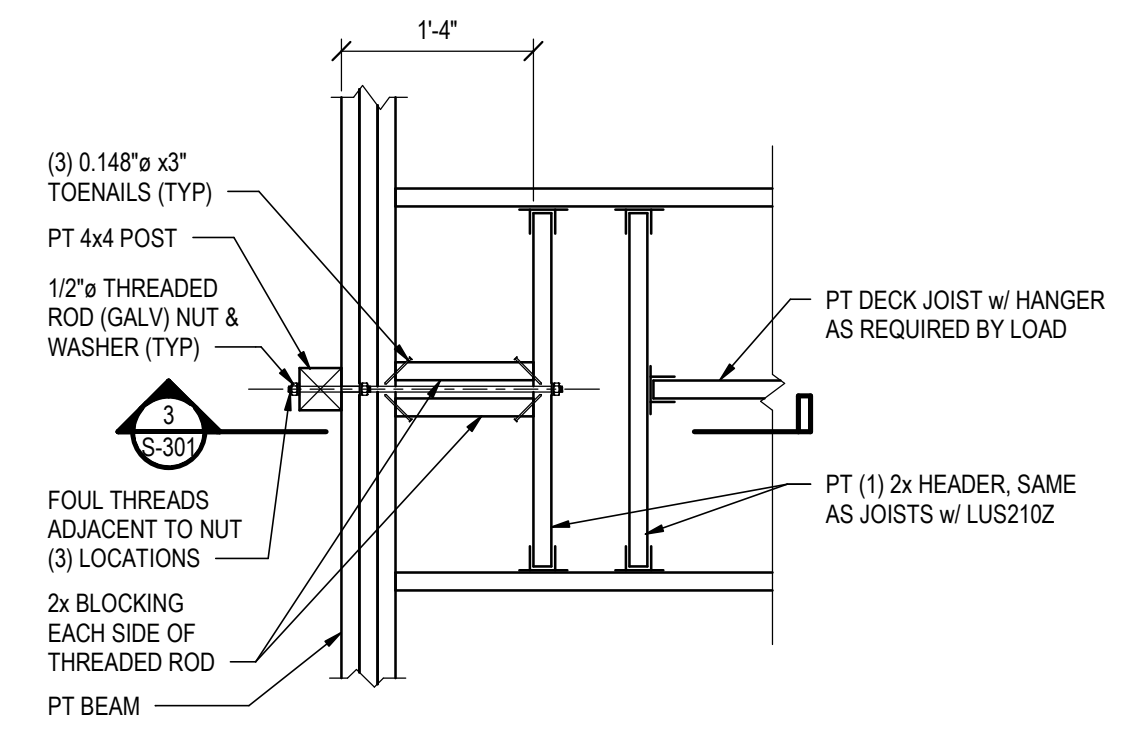
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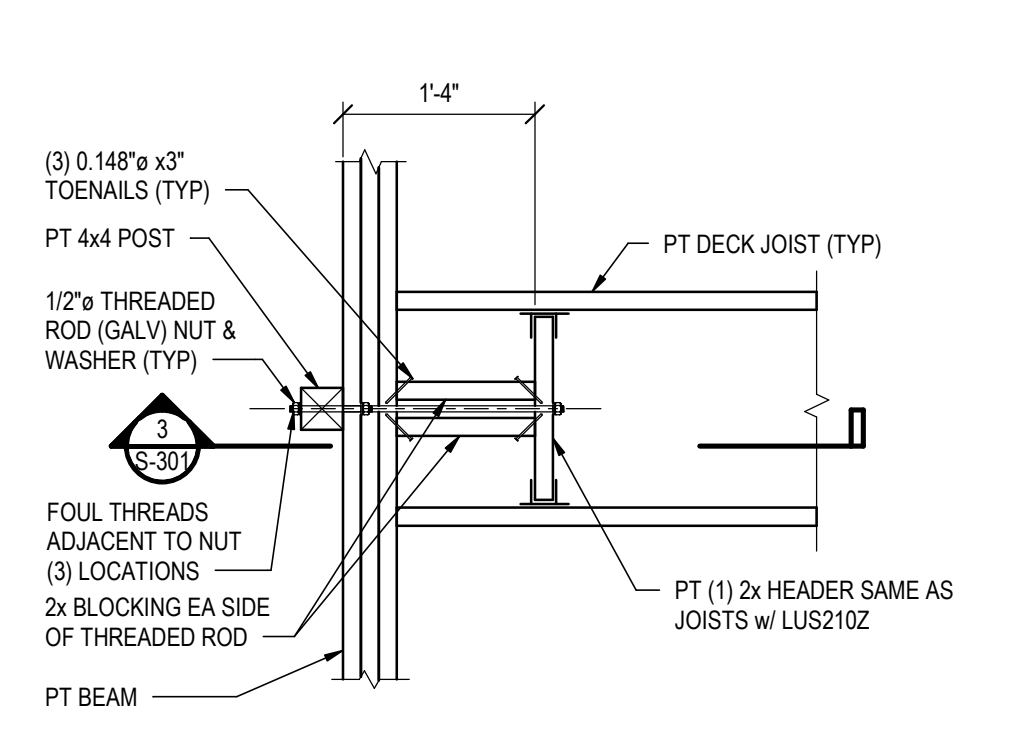


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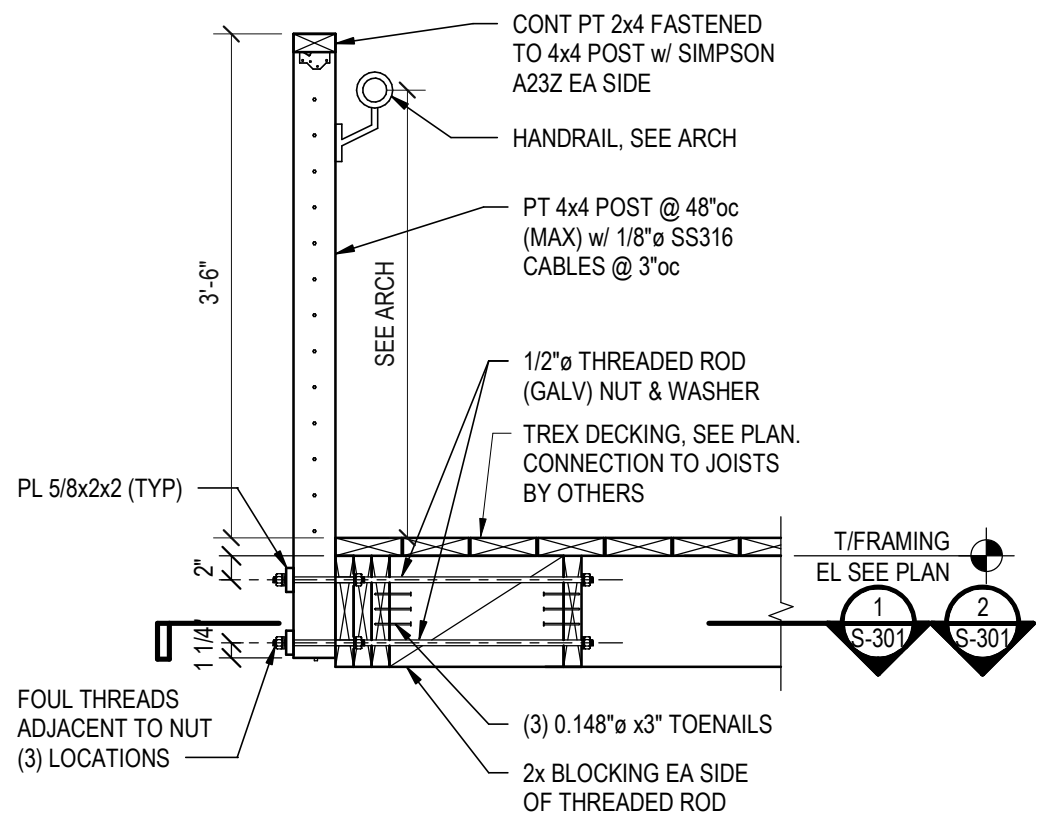
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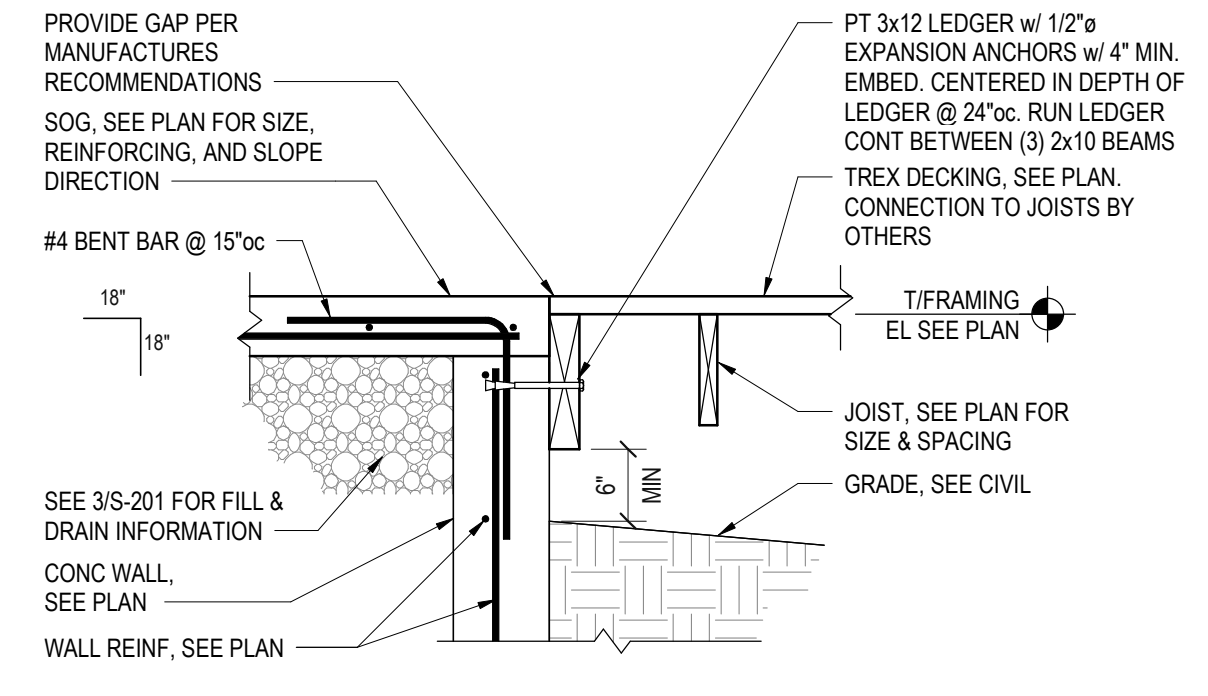
TYPICAL GUARDRAIL POST PLAN DETAIL 1
NTS S-301



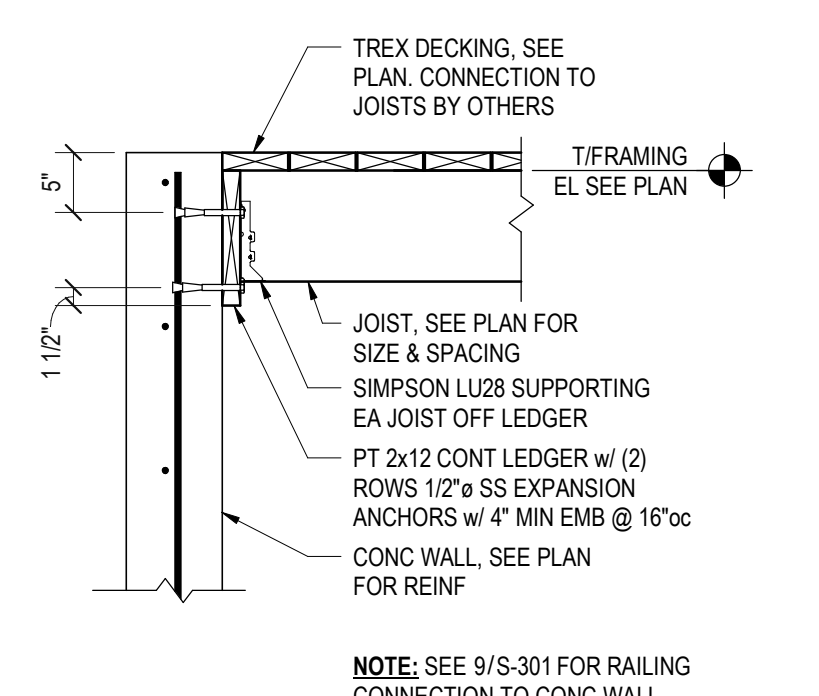
TYPICAL GUARDRAIL POST PLAN DETAIL 2
NTS S-301



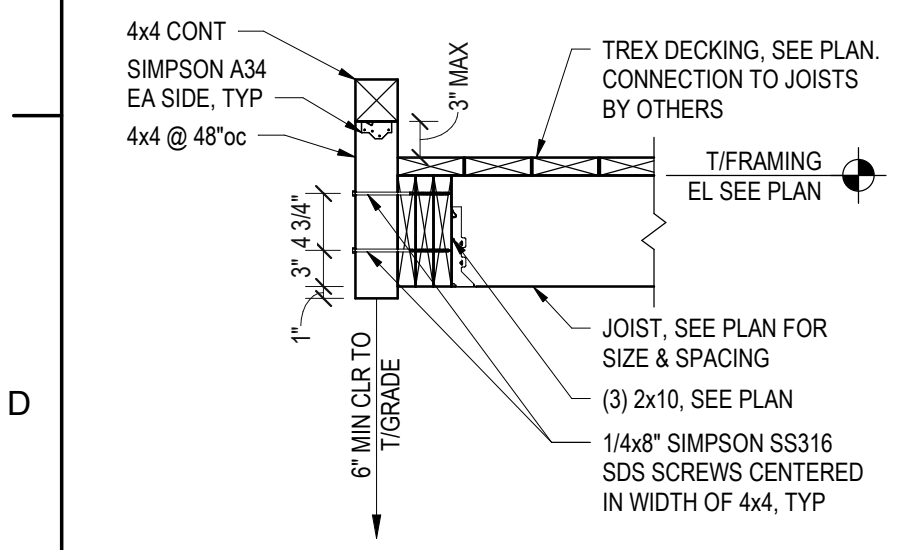
TYPICAL GUARDRAIL POST DETAIL 3
NTS S-301



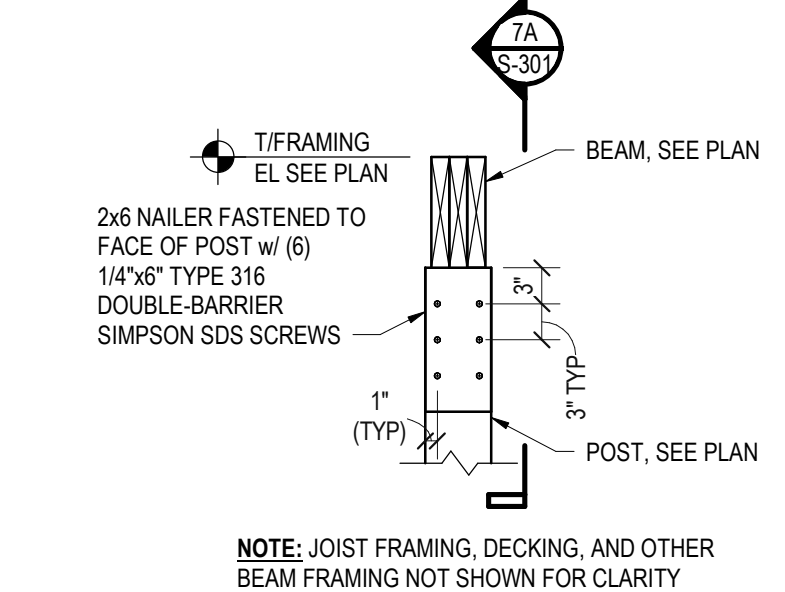
LEDGER CONNECTION TO APRON 4
NTS S-301



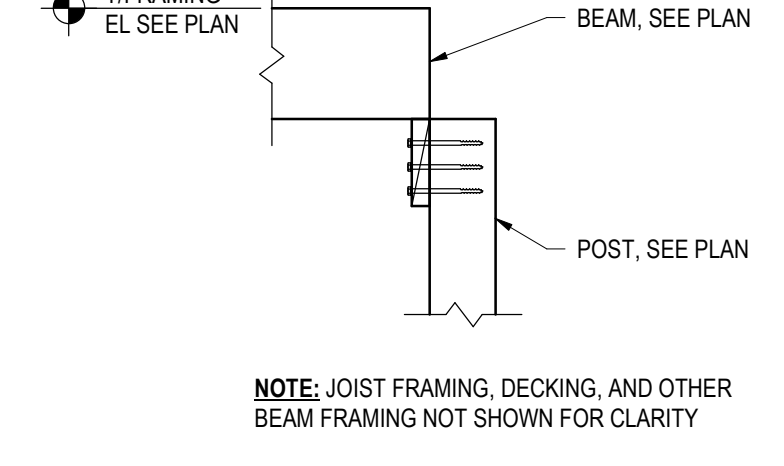
JOIST CONNECTION TO WALL 5
NTS S-301



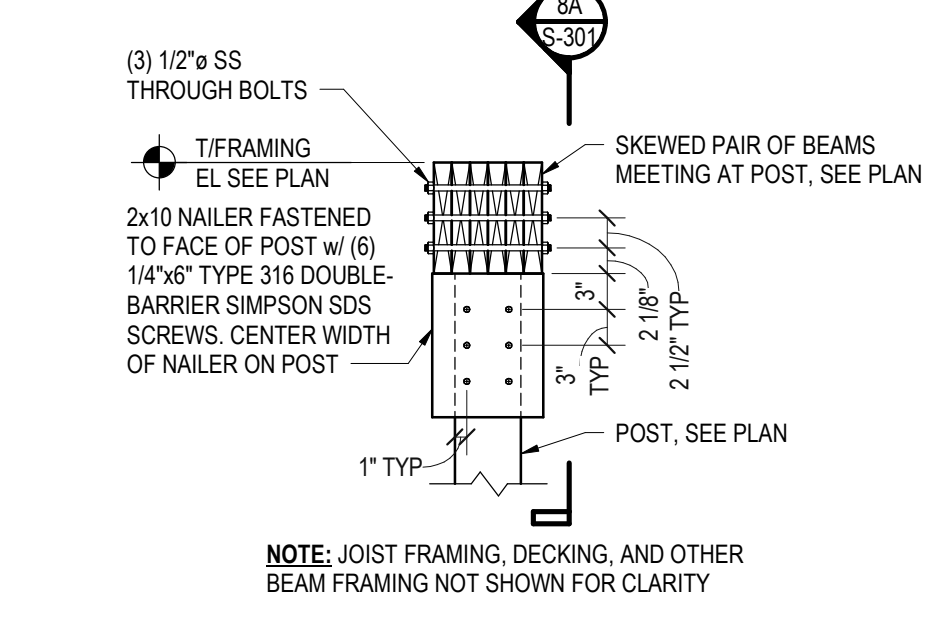
TYPICAL CURB AT REAR OF DECK 6
3/4" = 1'-0" S-301



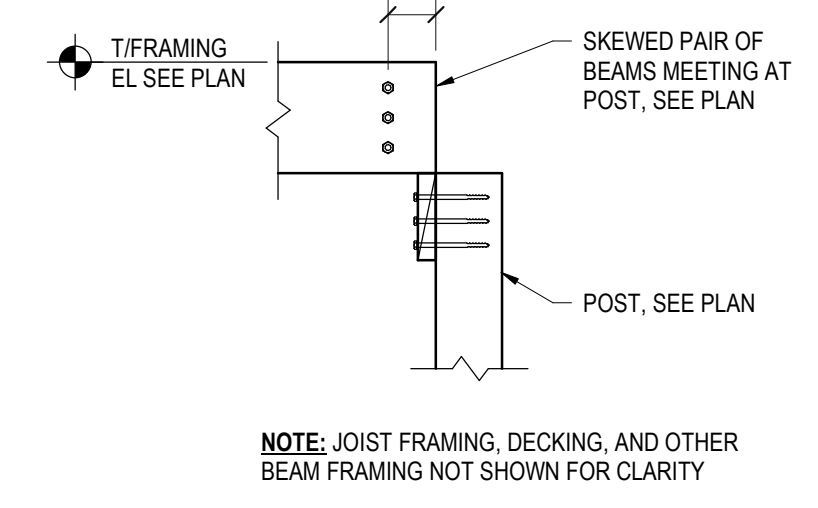
NAILER SUPPORT OF BEAM OFF POST 7
3/4" = 1'-0" S-301



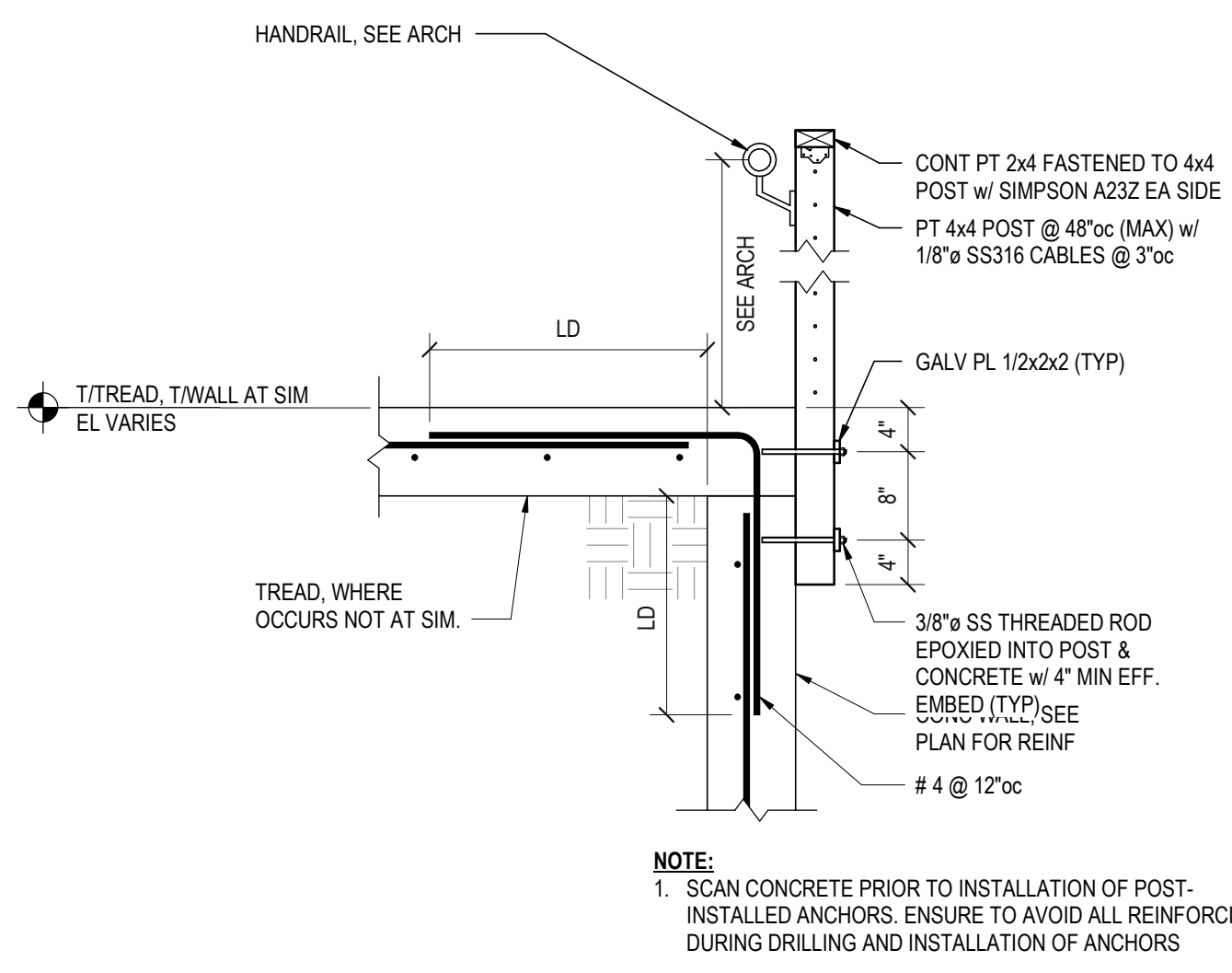
SECTION 7A
3/4" = 1'-0" S-301



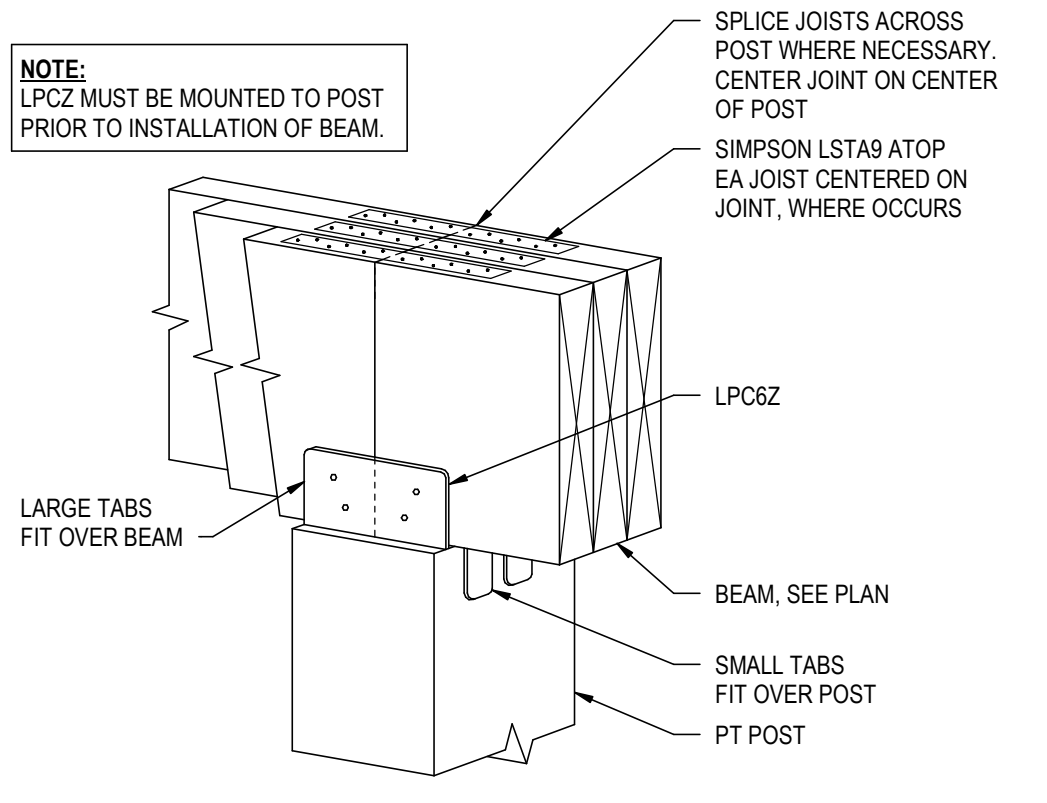
NAILER SUPPORT OF DOUBLE BEAM OFF POST 8
3/4" = 1'-0" S-301



SECTION 8A
3/4" = 1'-0" S-301

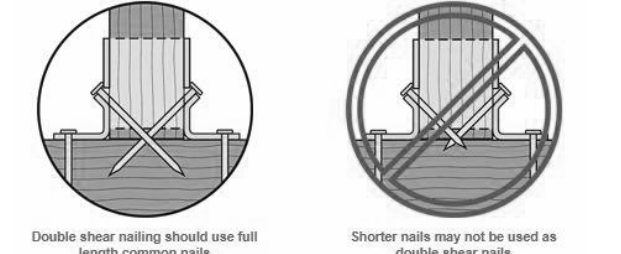


POST CONNECTION TO WALL 9
NTS S-301



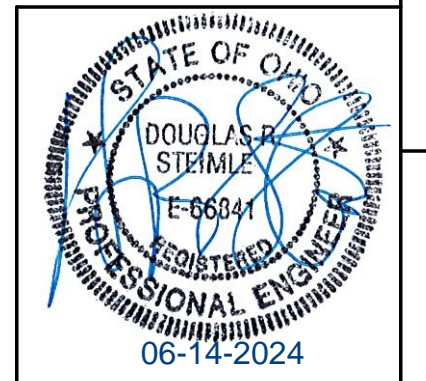
ISOMETRIC NTS

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" x 1 3/4" LONG (MIN 3/8" HEAD)
B. 8d NAILS ARE 0.131" x 2 1/2" LONG.
C. 10d NAILS ARE 0.148" x 3" LONG.
D. 16d NAILS ARE 0.162" x 3 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 FROM 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

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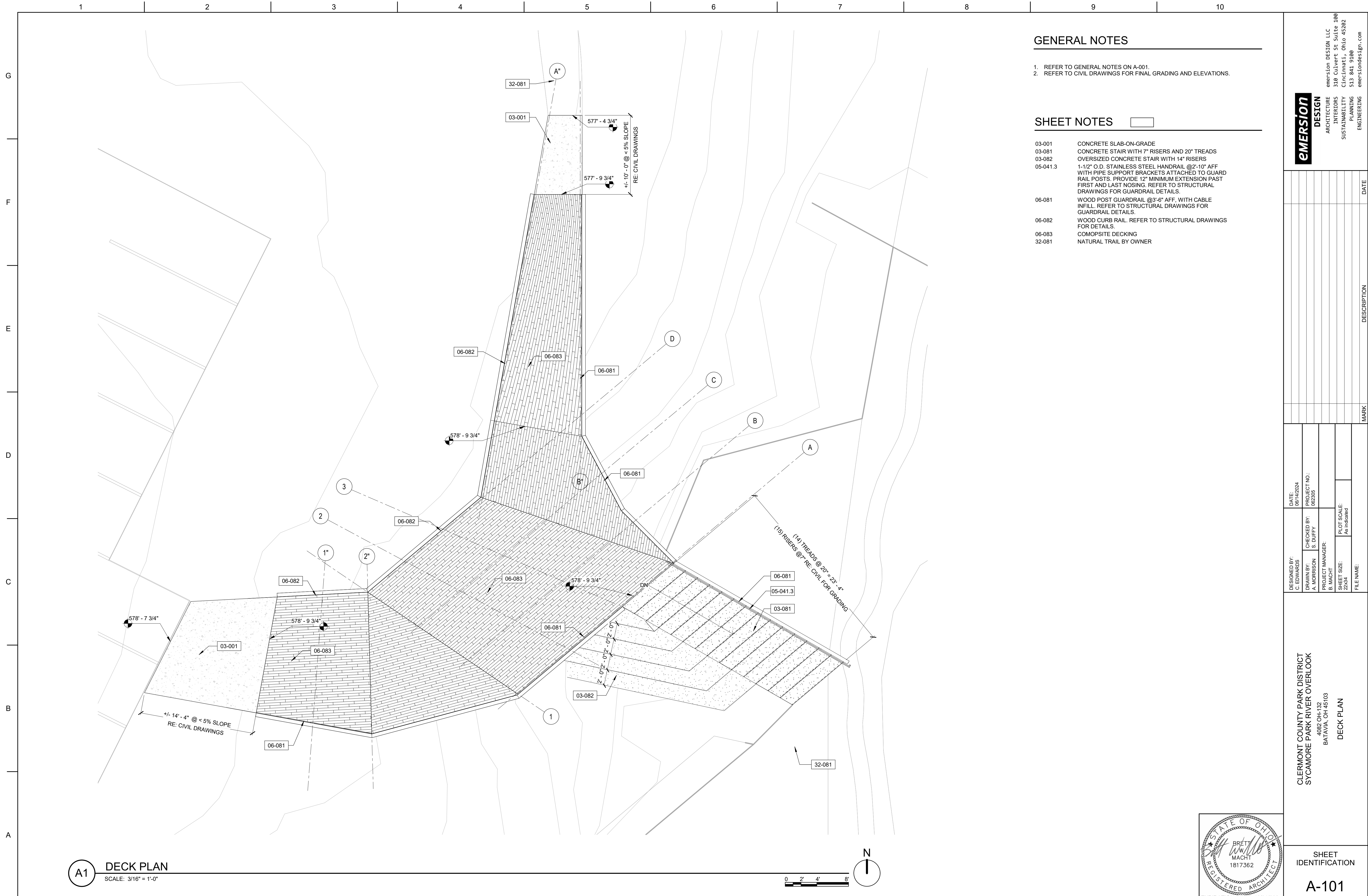
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DESIGNED BY: MPC	CHECKED BY: MPC	DATE: 06/14/2024
DRAWN BY: JSC	PROJECT NO.:	052305
PROJECT MANAGER: DPS	PLOT SCALE:	As Indicated
SHEET SIZE: 22x34	FILE NAME:	

CLERMONT COUNTY PARK DISTRICT
SYCAMORE PARK RIVER OVERLOOK
4082 OH-132
BATAVIA, OH 45103

FRAMING DETAILS & SECTIONS

SHEET IDENTIFICATION
S-301



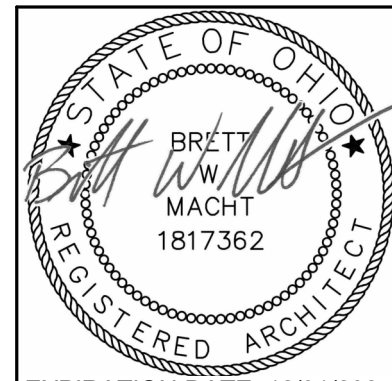
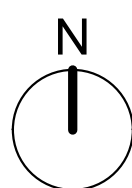
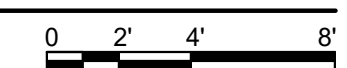
GENERAL NOTES

1. REFER TO GENERAL NOTES ON A-001.
2. REFER TO CIVIL DRAWINGS FOR FINAL GRADING AND ELEVATIONS.

SHEET NOTES

- 03-001 CONCRETE SLAB-ON-GRADE
- 03-081 CONCRETE STAIR WITH 7" RISERS AND 20" TREADS
- 03-082 OVERSIZED CONCRETE STAIR WITH 14" RISERS
- 05-041.3 1-1/2" O.D. STAINLESS STEEL HANDRAIL @2'-10" AFF WITH PIPE SUPPORT BRACKETS ATTACHED TO GUARD RAIL POSTS. PROVIDE 12" MINIMUM EXTENSION PAST FIRST AND LAST NOSING. REFER TO STRUCTURAL DRAWINGS FOR GUARDRAIL DETAILS.
- 06-081 WOOD POST GUARDRAIL @3'-6" AFF, WITH CABLE INFILL. REFER TO STRUCTURAL DRAWINGS FOR GUARDRAIL DETAILS.
- 06-082 WOOD CURB RAIL. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- 06-083 COMPOSITE DECKING
- 32-081 NATURAL TRAIL BY OWNER

A1 DECK PLAN
SCALE: 3/16" = 1'-0"



ISSUED FOR PERMIT AND BIDDING

EMERSON DESIGN
 ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
 emersondesignllc.com
 316 Culvert St Suite 100
 Cincinnati, Ohio 45202
 513.841.9100

MARK	DESCRIPTION	DATE

DESIGNED BY: C. EDWARDS	CHECKED BY: S. DUFFY	DATE: 06/14/2024	PROJECT NO.:
DRAWN BY: A. MORRISON	PROJECT MANAGER: E. MACHT	PLOT SCALE: As Indicated	FILE NAME:
SHEET SIZE: 22x34			

**CLERMONT COUNTY PARK DISTRICT
 SYCAMORE PARK RIVER OVERLOOK
 4082 OH-132
 BATAVIA, OH 45103**

DECK PLAN

A-101

SHEET IDENTIFICATION