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1. FOUNDATION CONSTRUCTION AND SITE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH GEOTECHNICAL REPORT RECOMMENDATIONS.
2. FOUNDATIONS SHALL BE SUPPORTED ON COMPACTED MATERIAL WITH A MINIMUM SOIL BEARING CAPACITY OF 2000 PSF, U.O.N.

1. REINFORCING STEEL SHALL BE OF DOMESTIC MANUFACTURE AND IN ACCORDANCE WITH ASTM A615 WITH SUPPLEMENT, GRADE 60; MAXIMUM WORKING STRESS OF 24, 000 PSI.
2. TOLERANCES FOR REINFORCING STEEL FABRICATION SHALL CONFORM TO THE CURRENT CRSI MANUAL OF STANDARD PRACTICE.
3. ALL REINFORCING STEEL SHALL BE UNCOATED (BLACK) DEFORMED BARS AND SHALL BE FREE FROM LOOSE RUST, SCALE OR OTHER COATINGS.
4. ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS. VERIFY THAT PLACEMENT OF REINFORCING STEEL WILL NOT INTERFERE WITH SUBSEQUENT INSTALLATION OF ANCHOR BOLTS, FASTENERS OR FIELD _____ DRILLED COMPONENTS.
5. UNLESS OTHERWISE NOTED, LAP BOTTOM STEEL OVER STRUCTURAL SUPPORTS AND TOP STEEL AT MIDSPAN.
6. ALL LAP LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318, ACI 530 AND CRSI STANDARD PRACTICES LATEST EDITIONS, U.O.N.
7. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS U.O.N.
8. ACI STANDARD HOOKS SHALL BE USED AS A MINIMUM, U.O.N.
9. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
10. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. DO NOT PRODUCE THE STRUCTURAL DRAWINGS FOR USE AS PLACING DRAWINGS OR SHOP DRAWINGS.
11. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318 AND SUBMIT DRAWINGS SHOWING LOCATIONS AND DIRECTION OF POUR FOR ENGINEER'S REVIEW. PROVIDE KEYWAYS, WATERSTOPS AND ADEQUATE DOWELS AT ALL CONSTRUCTION JOINTS IN CONCRETE.
12. PROVIDE REINFORCING STEEL ERECTOR WITH A SET OF STRUCTURAL DRAWINGS FOR FIELD USE. INSPECT REINFORCING STEEL PLACEMENT FROM SHOP DRAWINGS.

STRUCTURAL NOTES (1 OF 2)

S01

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WELDED WIRE FABRIC (WWF)

- WWF SHALL BE IN ACCORDANCE WITH ASTM A185, PLAIN (SMOOTH) TYPE, IN FLAT SHEETS.
- ALL WWF SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS. DO NOT PLACE WWF ON GRADE AND SUBSEQUENTLY RAISE INTO POSITION DURING CONCRETE PLACEMENT.
- FOR SLABS ON GRADE, EXTEND WWF TO WITHIN 2 INCHES OF THE CONCRETE EDGE.
- LAP EDGES AND ENDS OF WWF SHEETS A MINIMUM OF ONE MESH SPACING PLUS 2 INCHES.
- LOCATE WWF 2 INCHES BELOW THE TOP SURFACE OF THE SLAB.
- SEE "SLABS ON GRADE" NOTES ABOVE FOR ADDITIONAL REINFORCEMENT REQUIRED AT SLAB PENETRATIONS.

FORM WORK AND SHORING

- PROVIDE, AS A PACKAGE, SHORING DRAWINGS PREPARED BY OR UNDER THE DIRECT SUPERVISION OF A DELEGATED ENGINEER.
- FORMS SHALL CONFORM TO THE SHAPE, LINES AND DIMENSIONS OF THE MEMBERS AS CALLED FOR IN THE PLANS, AND SHALL BE SUBSTANTIAL AND SUFFICIENTLY TIGHT TO PREVENT LEAKAGE OF MORTAR. THEY SHALL BE PROPERLY BRACED OR TIED TOGETHER SO AS TO MAINTAIN POSITION AND SHAPE.
- DESIGN FORMS AND SHORES FOR HORIZONTAL CONCRETE MEMBERS FOR ALL IMPOSED DEAD AND LIVE LOADS, BUT NOT LESS THAN DEAD LOAD (INCLUDING FILL HEIGHTS IF APPLICABLE) PLUS AASHTO HS20—44 TRUCK CONSTRUCTION LIVE LOAD, WHERE APPLICABLE. DESIGN WOOD SHORES WITH A SAFETY FACTOR OF 3, AND METAL SHORES WITH A SAFETY FACTOR OF 2.
- REMOVAL OF FORMWORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. HOWEVER FORMS SHALL NOT BE REMOVED LESS THAN 24 HOURS AFTER CONCRETE PLACEMENT. REMOVE FORMS IN SUCH A MANNER AS TO INSURE JOB SAFETY AND TO PREVENT DAMAGE TO AND CREEP DEFLECTION OF THE STRUCTURE.
- THE SHORING IS TO BE INSPECTED BY THE DELEGATED ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. PRIOR TO EACH CONCRETE POUR, HE SHALL SUBMIT A WRITTEN INSPECTION REPORT TO THE SPECIAL INSPECTOR AND CONTRACTOR STATING THAT THE WORK IS IN GENERAL COMPLIANCE WITH THE SHORING DRAWINGS. THE FIELD REPORTS SHALL BE SIGNED BY THE INDIVIDUAL CONDUCTING THE INSPECTION. COPIES OF THE FIELD REPORTS SHALL BE SUBMITTED EVERY WEEK TO THE ENGINEER, SPECIAL INSPECTOR AND BUILDING OFFICIAL UNDER A COVER LETTER SIGNED, SEALED AND DATED BY THE DELEGATED ENGINEER.
- THE SHORING REPORT SHALL CONTAIN, AS A MINIMUM, THE FOLLOWING:
 - NAME AND LOCATION OF PROJECT, NAME OF DELEGATED ENGINEER AND FIELD REPRESENTATIVE, PERMIT NUMBER, DATE, TIME OF DAY, WORKING CONDITIONS (INCLUDING WEATHER AND TEMPERATURE).
 - ITEMS REQUIRING CORRECTIONS.
 - ACCEPTED DEVIATIONS FROM SHORING DRAWINGS.
 - AREAS ACCEPTED AND RELEASED FOR CONCRETE POURS.
- AS SOON AS FORMS ARE REMOVED, ALL IRREGULAR PROJECTIONS SHALL BE CHIPPED OFF FLUSH WITH THE CONCRETE SURFACES. ALL VOIDS OR HONEYCOMBING SHALL BE POINTED UP WITH GROUT AND TROWELED FLUSH WITH THE CONCRETE SURFACE. ALL FORM TIES SHALL BE REMOVED TO A DEPTH OF 1—1/2 INCHES MINIMUM AND GROUTED FLUSH WITH THE CONCRETE SURFACE.

STRUCTURAL STEEL

- DESIGN, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "STEEL CONSTRUCTION MANUAL" - CURRENT EDITION, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" - CURRENT EDITION, AND SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - CURRENT EDITION.
- VERIFY ALL DIMENSIONS AS REQUIRED PRIOR TO FABRICATION OF ANY STRUCTURAL STEEL.
- MATERIALS:
 - ROUND HSS SHALL CONFORM TO ASTM A 500 OR. B (Fy= 42KSI, Fu= 58KSI), U.O.N.
 - RECTANGULAR AND SQUARE HSS SHALL CONFORM TO ASTM A 500 OR. B (Fy= 46KSI, Fu= 58KSI), U.O.N.
 - STEEL PIPE SHALL CONFORM TO ASTM A53 GR. B (Fy= 35KSI, Fu= 60KSI).
 - STRUCTURAL PLATES SHALL CONFORM TO ASTM A36 (Fy= 36KSI, Fu= 58KSI).
 - STRUCTURAL W— SHAPES SHALL CONFORM TO ASTM A 992 (Fy= 50KSI, Fu= 65KSI).
 - STRUCTURAL CHANNELS SHALL CONFORM TO ASTM A36 (Fy= 36KSI, Fu= 58KSI).
 - ANGLES SHALL CONFORM TO ASTM A36 (Fy= 36KSI, Fu= 58KSI).
 - BOLTS SHALL CONFORM TO ASTM A 325—X, TYPE 1.
 - ANCHOR RODS SHALL CONFORM TO ASTM F1554, GR. 55 MINIMUM.
- BOLTS FOR CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS — 2004." UNLESS OTHERWISE NOTED, ALL BOLTS SHALL BE PROVIDED WITH HEAVY HEX NUTS CONFORMING TO ASTM A563, AND HARDENED.
- STEEL WASHERS CONFORMING TO ASTM F436. PLACE HARDENED WASHERS UNDER PART BEING TURNED.
- PROVIDE ALL BOLTS, NUTS AND WASHERS IN SETS THAT ARE NEW AND DOMESTICALLY MANUFACTURED. DO NOT REUSE BOLTS.
- HOT DIP GALVANIZE ALL STRUCTURAL STEEL, FASTENERS, AND MISCELLANEOUS METAL FABRICATIONS IN ACCORDANCE WITH ASTM A123 OR ASTM A153, AS APPLICABLE. TOUCH UP ALL FIELD WELDS AND ABRADED AREAS WITH TWO COATS OF GALVANIZED PAINT. REPAIR OF ABRADED OR UNCOATED AREAS SHALL CONFORM TO ASTM A780.
- USE STRUCTURAL STEEL THAT IS FULLY WELDABLE WITHIN GRADES AND FROM ANY GRADE TO ANY OTHER GRADE. WELD ALL SHOP CONNECTIONS, U. O. N.
- USE ELECTRODES CONFORMING TO AWS D1.1, E70 SERIES, U.O.N.
- ALL WELDING SHALL BE DONE BY AN AWS CERTIFIED WELDER AND IN COMPLIANCE WITH AWS D1.1. IN ADDITION, FOR PROJECTS IN MIAMI — DADE COUNTY, WELDER MUST ALSO BE A MIAMI — DADE COUNTY CERTIFIED WELDER. ALL WELD SIZES SHALL BE THE MAXIMUM ALLOWED BY THE MATERIAL BEING WELDED WITH E70XX ELECTRODES.
- AT THE CONTRACTOR'S OPTION, SUBSTITUTION OF SHOP WELDS FOR FIELD WELDS MAY BE REQUESTED. ALL SUCH SUBSTITUTIONS SHALL BE CLEARLY NOTED ON THE SHOP DRAWINGS AND SUBMITTED TO THE ENGINEER FOR REVIEW.
- CAP OR SEAL ALL PIPES AS REQUIRED TO PREVENT RAINWATER INTRUSION.
- AT THE CONTRACTOR'S OPTION, FIELD SPLICES MAY BE REQUESTED FOR ERECTION PURPOSES. ALL SUCH SPLICES SHALL BE CLEARLY NOTED ON THE SHOP DRAWINGS AND SUBMITTED TO THE ENGINEER FOR REVIEW. FOR EACH PROPOSED SPlice LOCATION, SUBMIT STRUCTURAL DESIGN CALCULATIONS AND DETAILS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA.
- CONNECTIONS NOT DETAILED IN THE STRUCTURAL DRAWINGS AT THE TIME DRAWINGS ARE ISSUED FOR CONSTRUCTION SHALL BE DESIGNED AND DETAILED BY FABRICATOR ACCORDING TO AISC SPECIFICATIONS.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED TO FIT AT BOLTED CONNECTIONS WITHIN 1/16 INCH TOLERANCE. MISSING OR MISALIGNED BOLTING SHALL BE CORRECTED BY DRILLING OR PUNCHING. FLAME CUTTING OF NEW BOLT HOLES OR FOR ENLARGING EXISTING HOLES WILL NOT BE PERMITTED. MINIMUM EDGE DISTANCE REQUIREMENTS SHALL CONFORM TO AISC SPECIFICATIONS.
- SEE DRAWINGS OF OTHER TRADES FOR MISCELLANEOUS STRUCTURAL STEEL NOT SHOWN ON STRUCTURAL DRAWINGS.
- SUBMIT STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS SHOP DR AWINGS.

TEMPORARY WALLS

- CONTRACTOR SHALL SUBMIT, IN THE FORM OF A SHOP DRAWING, THE DESIGN AND LAYOUT OF ANY TEMPORARY SHEETPILE WALLS REQUIRED FOR CONSTRUCTION. SUBMITTED DOCUMENTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA.
- WHERE TEMPORARY WALLS ARE TO BE INSTALLED NEAR OR ADJACENT TO EXISTING STRUCTURES OR UTILITIES, CONTR ACTOR SHALL USE DUE CAUTION AS TO NOT DAMAGE SUCH EXISTING STRUCTURES OR UTILI TIES.

CLEAN —UP

- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS EMPLOYEES.
- CONTRACTOR SHALL VISUALLY INSPECT INTERIOR AND EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, STAINS, SPLASHED MATERIAL, PAINT DROPPINGS AND OTHER FOREIGN MATTER PRIOR TO COMPLETION OF THE WORK.

AS— BUILT DRAWINGS

- CONTRACTOR SHALL PREPARE AND MAINTAIN CURRENT A SET OF REDLINED AS— BUILT DRAWINGS SHOWNG ALL DEVIATIONS AND CHANGES MADE TO THE CONSTRUCTION DRAWINGS
- AS— BUILT DRAWINGS SHALL BE MADE AVAILABLE TO THE ENGINEER FOR REVIEW UPON REQUEST AT ANY TIME DURING THE COURSE OF THE PROJECT.
- CONTRACTOR SHALL SUBMIT THE ORIGINAL AS— BUILT DRAWINGS TO THE ENGINEER WITHIN ONE WEEK FROM THE DATE OF FINAL COMPLETION, AND PRIOR TO OWNER'S ACCEPTANCE OF CONTRACTOR'S FINAL IN VOICE.
- SUBMITTED AS— BUILT DRAWINGS WILL REMAIN THE PROPERTY OF THE ENGINEER.

BID ITEMS

- PAYMENT FOR ALL INCIDENTALS IS TO BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- COST FOR REMOVAL AND DISPOSAL OF VARIOUS MATERIALS, WHERE REQUIRED, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

ALUMINUM

- ALUMINUM FABRICATION SHALL BE IN CONFORMANCE WITH THE ALUMINUM ASSOCIATION, INC. "SPECIFICATIONS FOR ALUMINUM STRUCTURES" (LATEST EDITION).
- UNLESS NOTED OTHERWISE, MATERIALS SHALL BE:
 - PLATE & SHEET — ASTM B 209; 6061— T6, 6061— T651 ALLOY.
 - EXTRUDED SHAPES — ASTM B221; 6061— T6, 6061— T651 ALLOY. PIPE SECTIONS ARE SCHEDULE 40 U.N.O..
 - CASTINGS — ASTM B108; 214 ALLOY.
- ALUMINUM SHALL BE SEPARATED FROM DIRECT CONTACT WITH OTHER MATERIALS (STEEL, CONCRETE, ETC.) BY PRESSURE SENSITIVE TAPE, BITUMASTIC COATING, OR OTHER PROTECTIVE METHOD SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S CONSTRUCTION REPRESENTATIVE.
- WELDING ALUMINUM SHALL CONFORM TO AWS D1.2 & AWS A5.10 AND THE REQUIREMENTS OF THE ALUMINUM ASSOCIATIONS "ALUMINUM DESIGN MANUAL" (LATEST EDITION) TABLE 7.1—1 FOR WELD FILLERS FOR WROUGH T ALLOYS.
- REFERENCE PROJECT SPECIFICATIONS FOR HANDRAIL & GUARDRAIL REQUIREMENTS. FASTENERS: UNLESS NOTED OTHERWISE, ALL FASTENERS SHALL BE TYPE 316 STAINLESS STEEL MEETING THE REQUIREMENTS OF ASTM F593 OR ASTM A193 FOR BOLTS AND ASTM F594 OR ASTM A194 FOR NUTS. ALL CONNECTIONS WITH DISSIMILAR MATERIALS (E.G. 316 STAINLESS STEEL TO ALUMINUM) SHALL RECEIVE NEOPRENE OR VINYL WASHERS. WASHERS SHALL BE LARGER THAN BOLT HEAD.

ABBREVIATION S

ALT	ALTERNATE
A.F.F	ABOVE FINISH FLOOR
C. J	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CNU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
EA	EACH
E.F.	EACH FACE
E. J	E X P A N S I O N JOINT
EL	ELEVATION
EQ	EQUAL
E.W.	EACH WAY
F.F.E.	FINISHED FLOOR ELEVATION MAX.
FG	FINISHED GRADE
HORIZ	HORIZONTAL
JT	JOINT
MAX	MAXIMUM
MIN.	MINIMUM
M.O.	MASONRY OPENING
NTS.	NOT TO SCALE
O.C., O/C	ON CENTER
PROJ	PROJECTION
P.T.	PRESERVATIVE TREATED
SIM	SIMILAR
SOG	SLAB ON GRADE
SS	STAINLESS STEEL
STD	STANDARD
T&B	TOP & BOTTOM
TOS	TOP OF SLAB
TOF	TOP OF FOUNDATION
TOW	TOP OF WALL
TYP.	TYPICAL
U.O.N	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W.P.	WORK POINT

REFERENCE:
GEOTECHNICAL SITE EXPLORATION REPORT PREPARED BY TIERRA,INC., DATED JUNE 15, 2022, PROJECT NO. 6511-21-406.

DESIGN:
FLORIDA BUILDING CODE, SEVENTH EDITION (2020)

WIND LOADS — PER ASCE 7—16:

WIND SPEED (ULTIMATE)	170 MPH
RISK CATEGORY	III
EXPOSURE	C

DEAD LOAD:

SEWAGE	63.6 PSF
PRE-FABRICATED ELECTRICAL BUILDING	104 KIPS
SELF — WEIGHT OF MATERIALS	

LIVE LOAD:

CRATING AND CATWALK	100 PSF
STAIRS	100 PSF
TANK WALKWAYS	100 PSF

DEFLECTION LIMIT FOR GRATING AND WALKWAYS = 0.25"

CONSTRUCTION PLANS

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KHA PROJECT 048104001
DATE SEP 30, 2022
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DESIGNED BY: NJD
DRAWN BY: NJD
CHECKED BY: SES

SOUTH WATER RECLAMATION FACILITY
HEADWORKS

PREPARED FOR

ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

SETH SCHMID, P.E.

FL LICENSE NUMBER
54640

DATE:

STRUCTURAL NOTES (2 OF 2)

SHEET NUMBER

S02



OVERVIEW PLAN

S03

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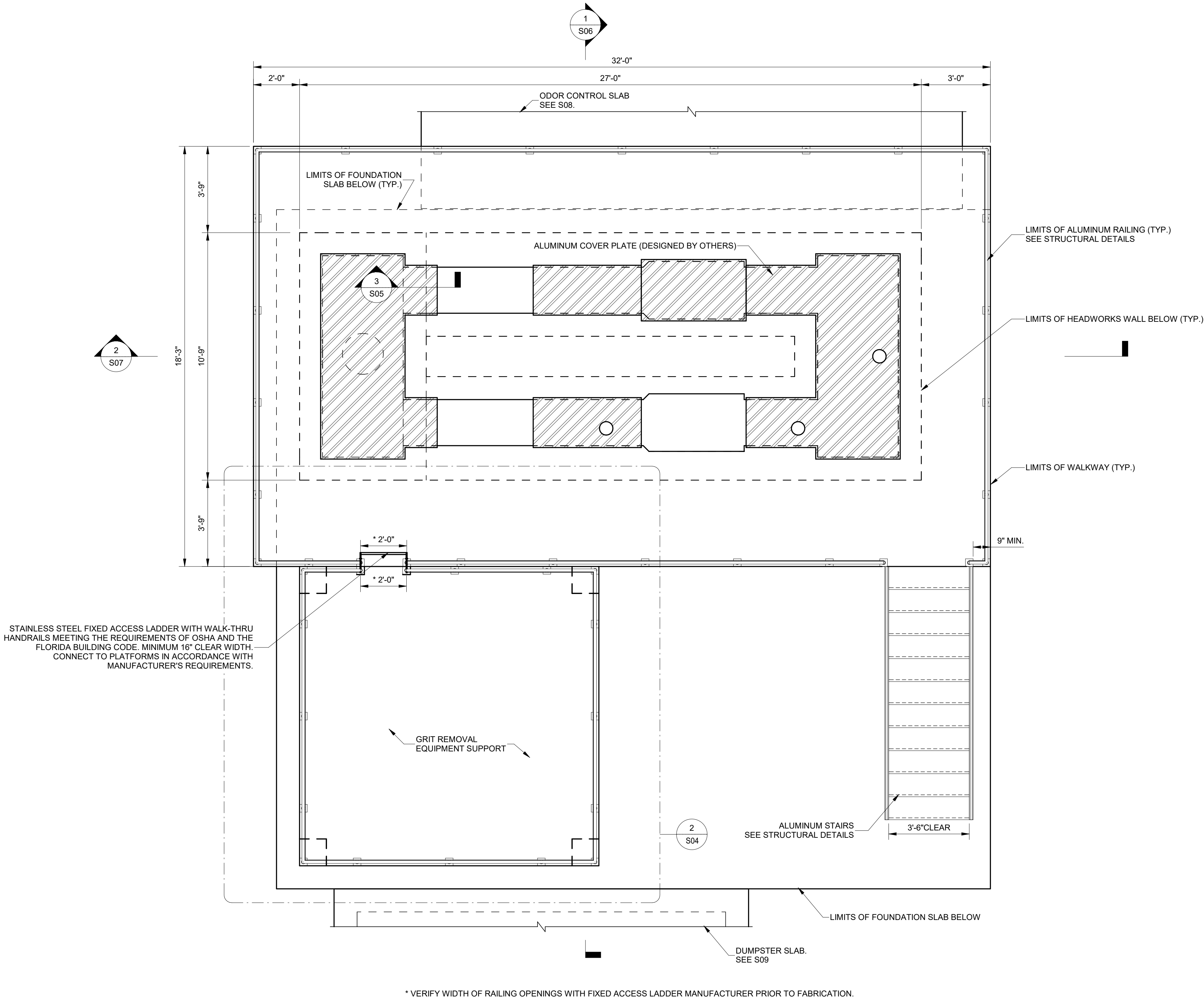
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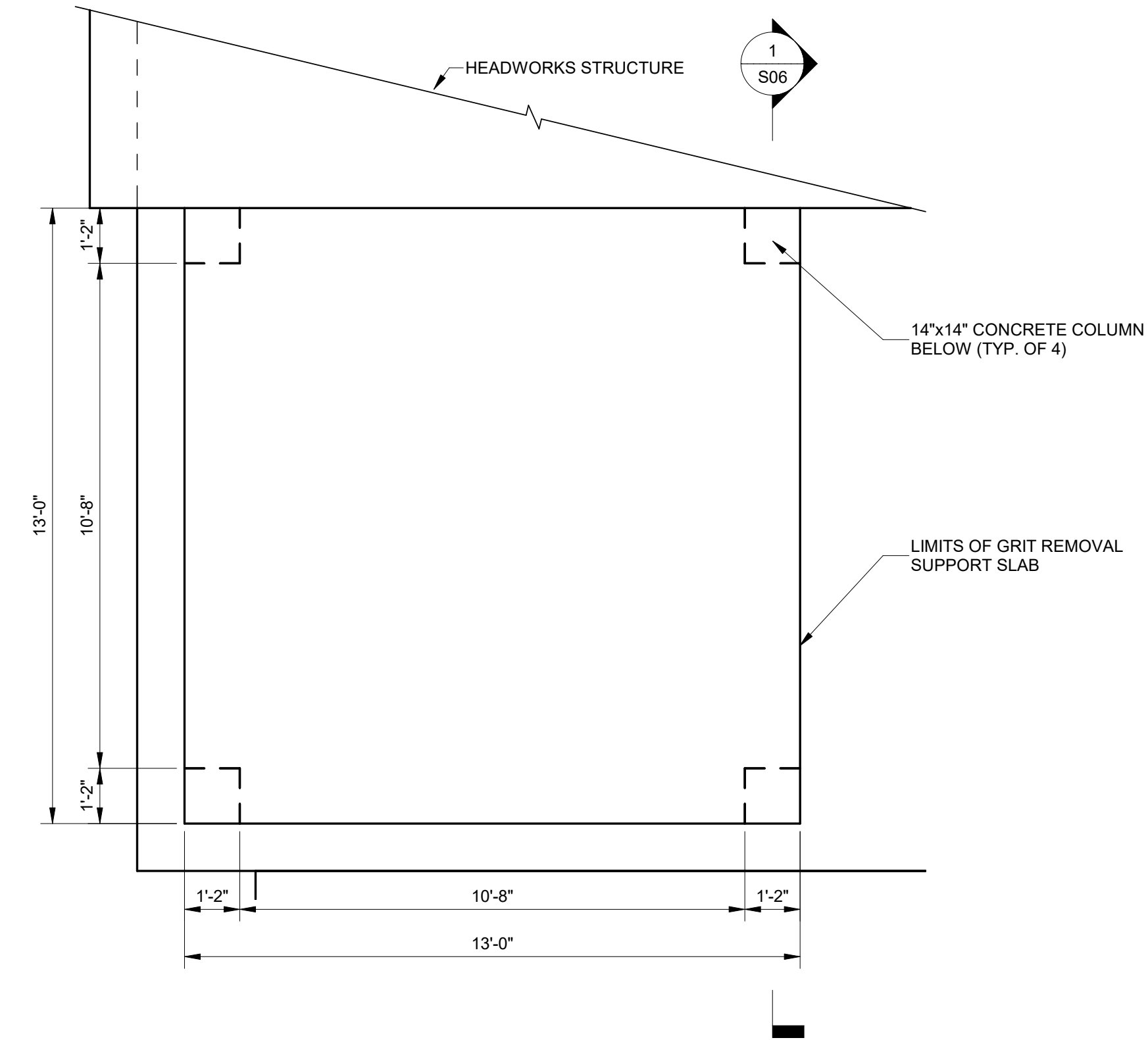
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1
S04

HEADWORKS TOP PLAN

SCALE: 3/8" = 1'-0"



- NOTES:
1. RAILING AND GRIT REMOVAL EQUIPMENT NOT SHOWN FOR CLARITY.
 2. CONNECTIONS OF GRIT REMOVAL EQUIPMENT TO THE SLAB SHALL BE DESIGNED BY EQUIPMENT MANUFACTURER.

2
S04

GRIT REMOVAL TOP PLAN

SCALE: 3/8" = 1'-0"

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**SOUTH WATER RECLAMATION FACILITY
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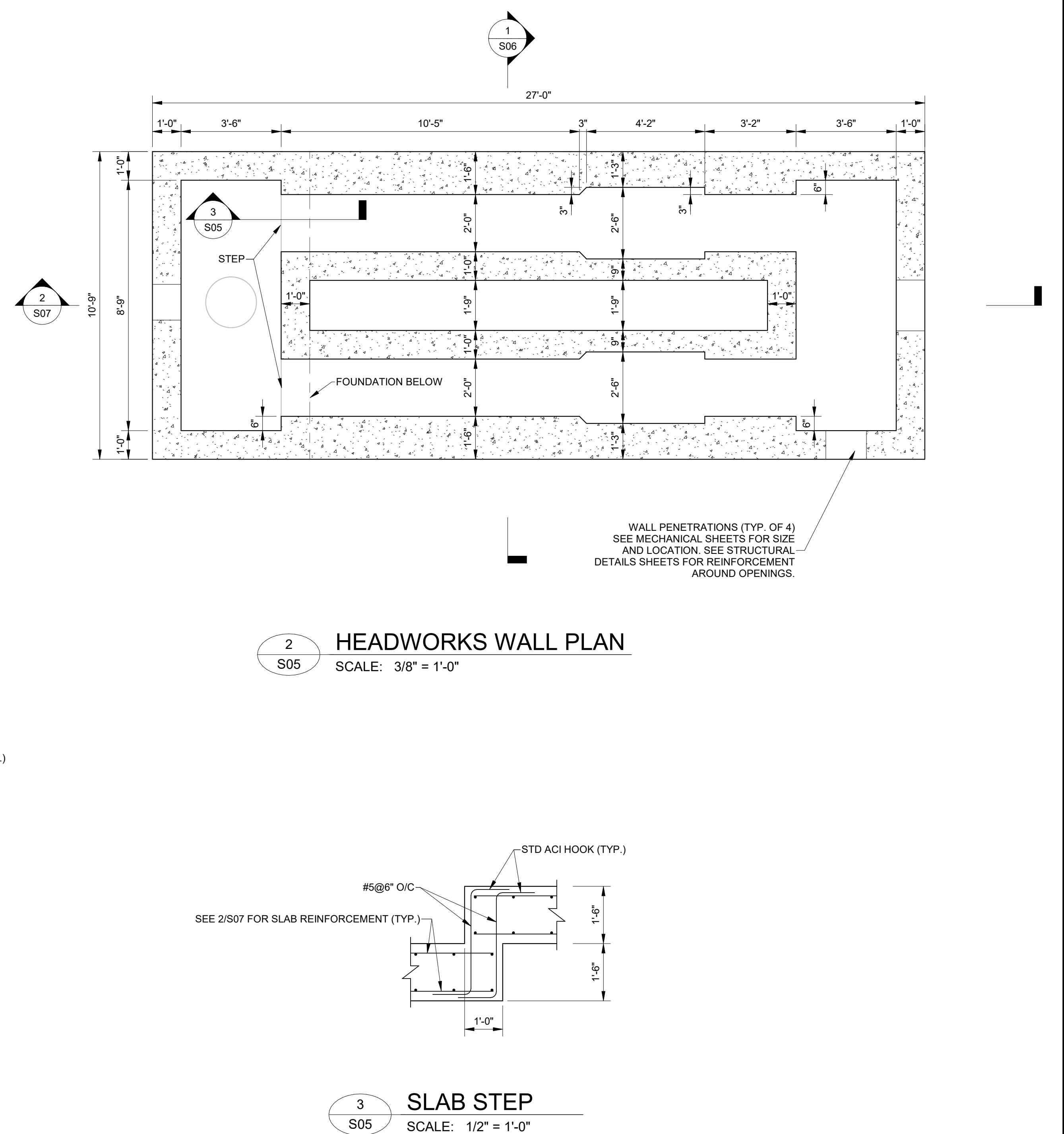
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HEADWORKS TOP PLAN

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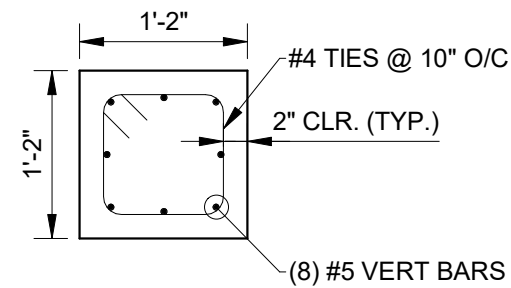
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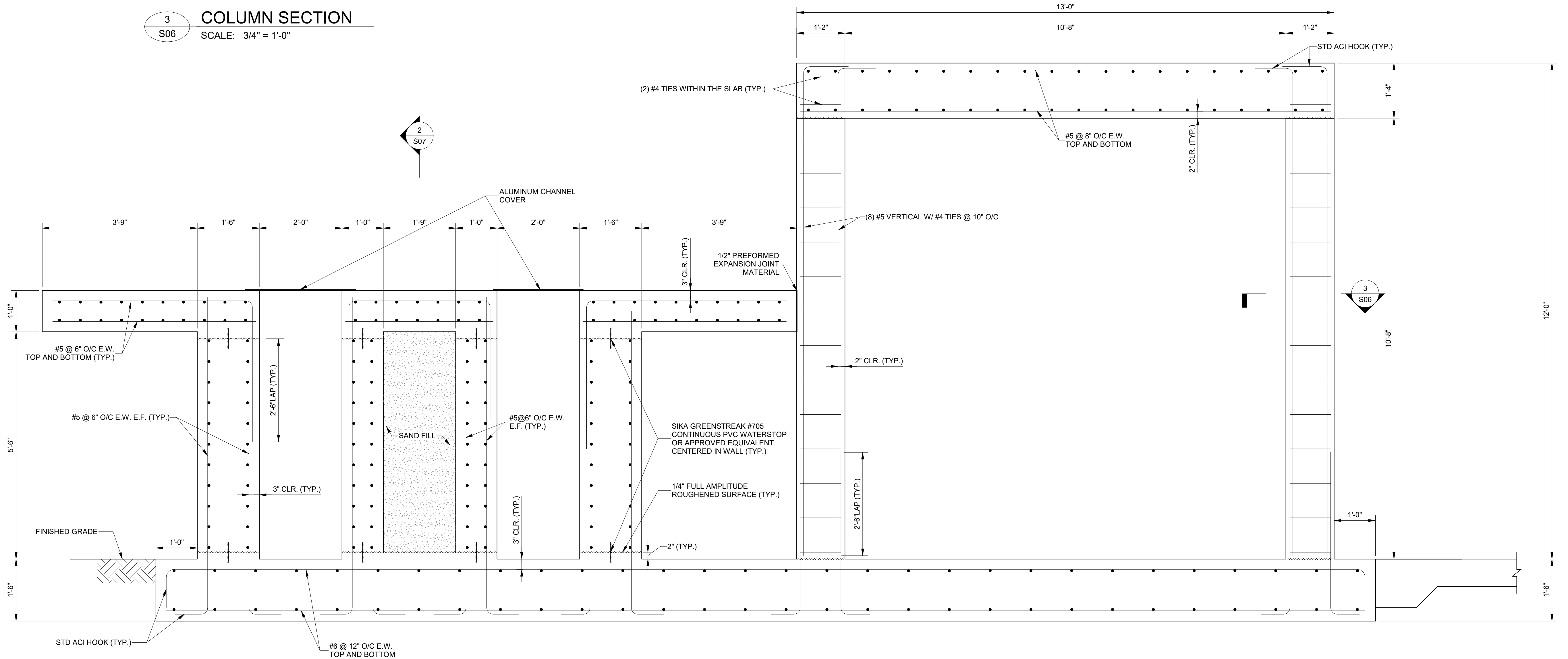
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3
S06
COLUMN SECTION
SCALE: 3/4" = 1'-0"



- NOTE:
1. RAILING NOT SHOWN FOR CLARITY.
 2. SAND FILL SHALL HAVE A MAXIMUM DENSITY OF 120 PCF.
 3. EQUIPMENT NOT SHOWN FOR CLARITY.
 4. CONNECTIONS OF EQUIPMENT TO STRUCTURE SHALL BE DESIGNED BY THE EQUIPMENT MANUFACTURER.

1
S06
HEADWORKS SECTION 1
SCALE: 3/4" = 1'-0"

CONSTRUCTION PLANS

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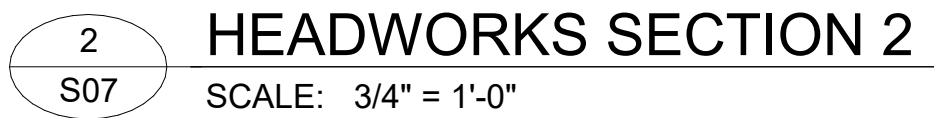
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HEADWORKS**

PREPARED FOR
ENGLEWOOD WATER DISTRICT

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DATE:

HEADWORKS SECTIONS (1 OF 2)

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S06



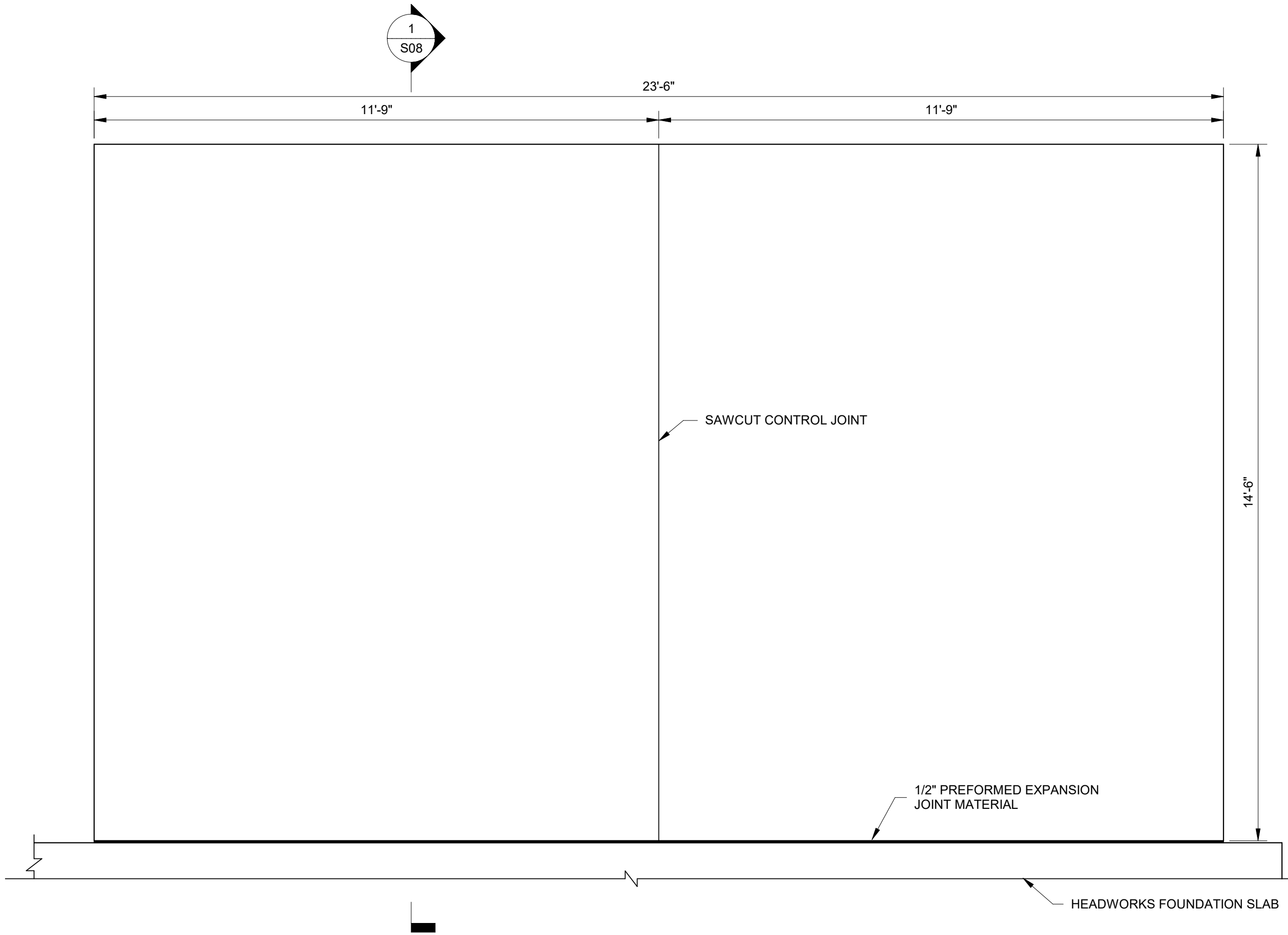
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S07

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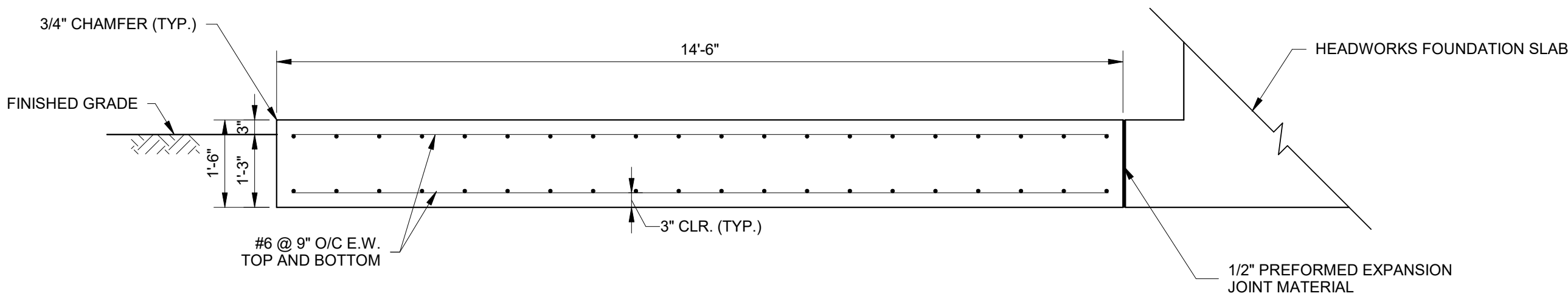


NOTES:
1. SEE MECHANICAL SHEETS FOR LOCATION OF EQUIPMENT. CONNECTION OF EQUIPMENT TO SLAB SHALL BE DESIGNED BY EQUIPMENT MANUFACTURER.

2
S08

ODOR CONTROL SLAB PLAN

SCALE: 1/2" = 1'-0"



1
S08

ODOR CONTROL SLAB SECTION

SCALE: 1/2" = 1'-0"

CONSTRUCTION PLANS

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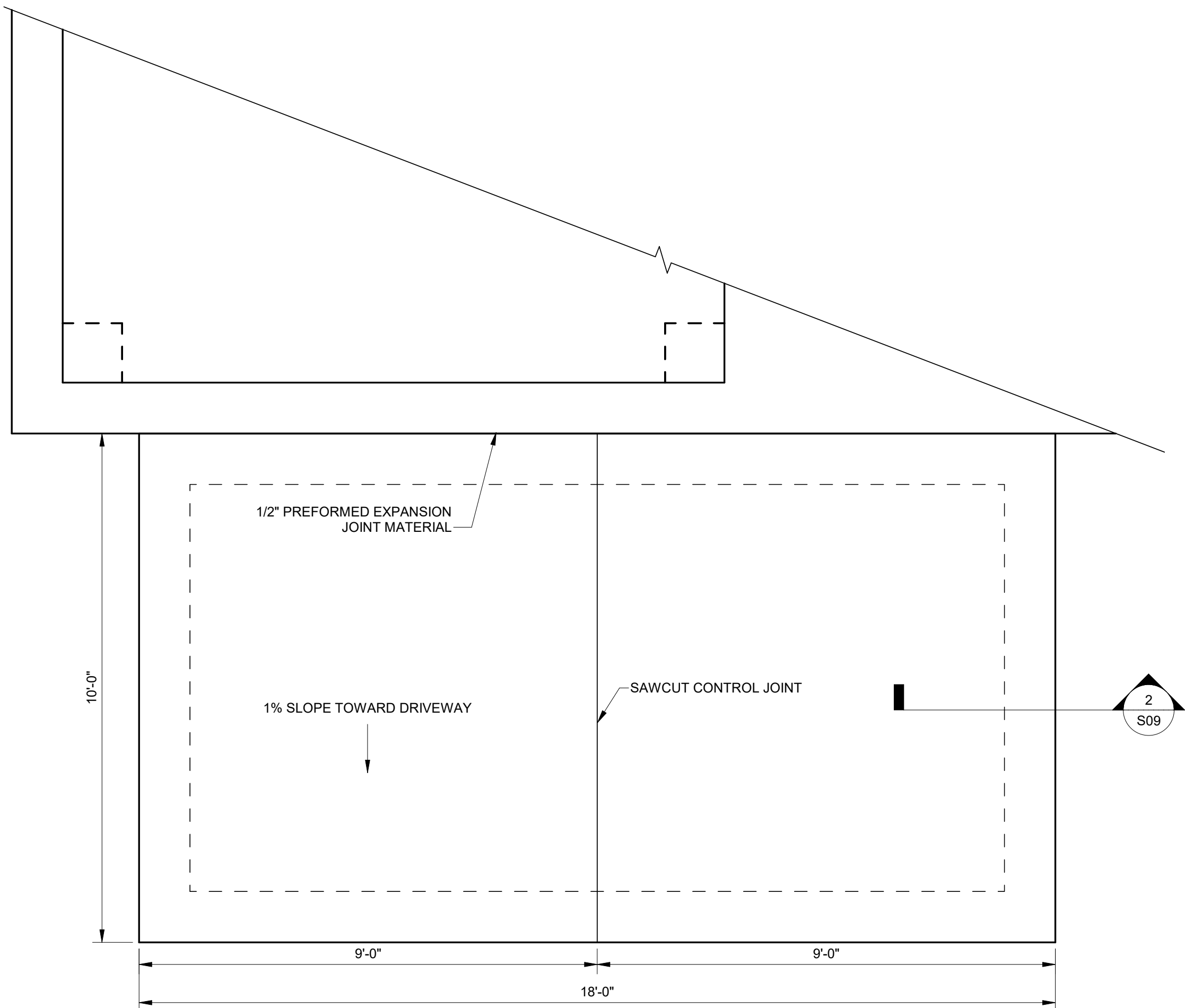
ODOR CONTROL PLAN AND SECTION

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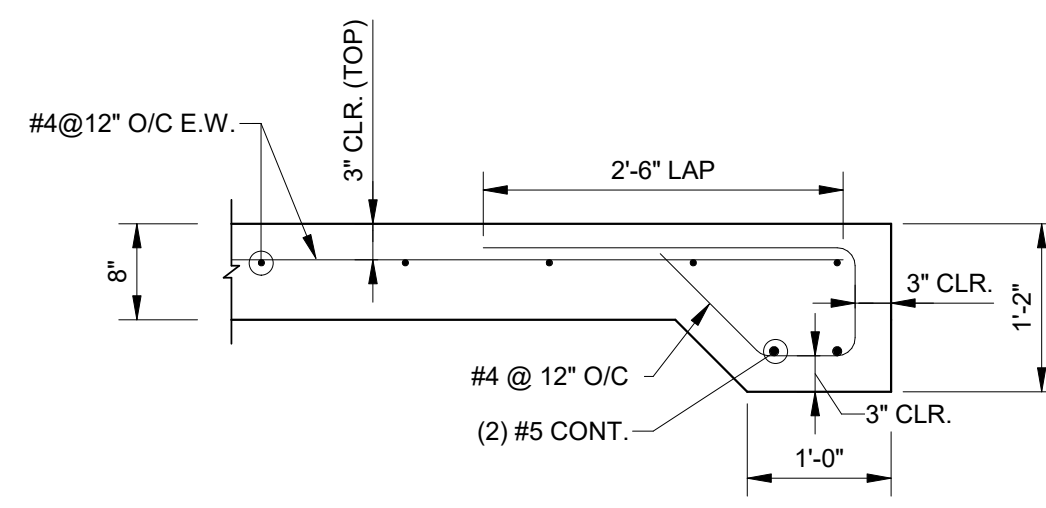
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1
S09

DUMPSTER SLAB PLAN

SCALE: 1/2" = 1'-0"



2
S09

SECTION

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

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HEADWORKS**

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ENGLEWOOD WATER DISTRICT

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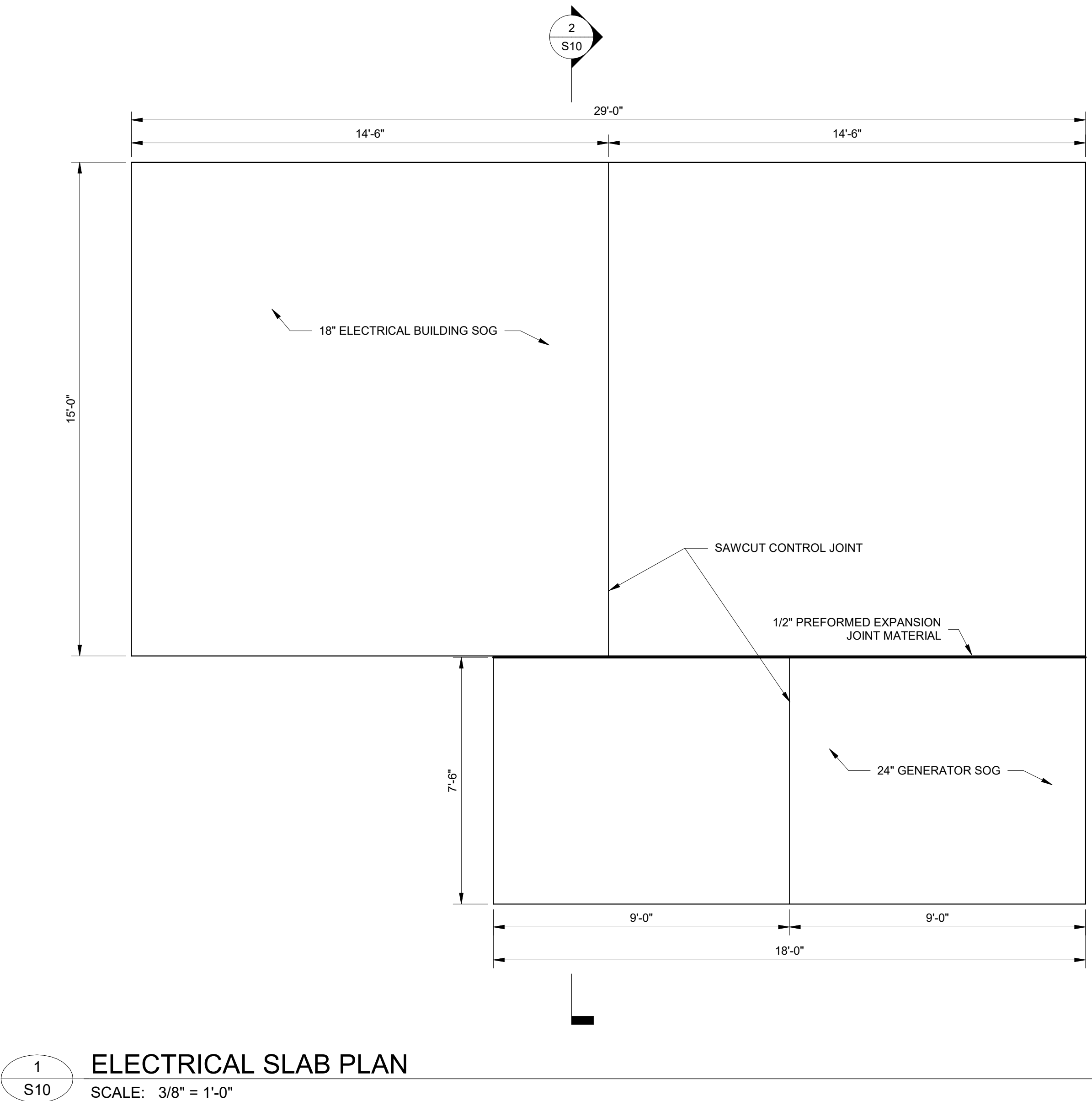
DUMPSTER SLAB

SHEET NUMBER

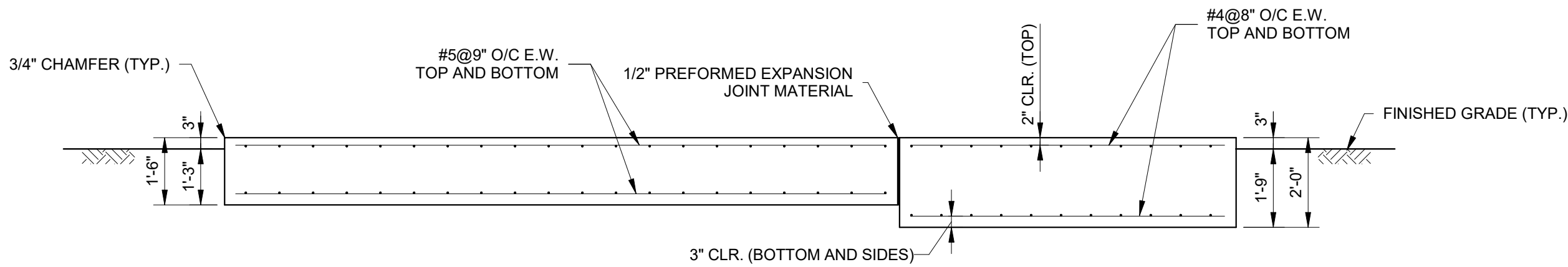
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- NOTES:
1. CONTRACTOR TO VERIFY SLAB DIMENSIONS WITH EQUIPMENT AND PRE-FABRICATED BUILDING MANUFACTURERS PRIOR TO CONSTRUCTION.
 2. CONNECTION OF THE EQUIPMENT TO THE FOUNDATION SHALL BE DESIGNED BY THE EQUIPMENT MANUFACTURER.
 3. CONNECTION OF THE PRE-FABRICATED ELECTRICAL BUILDING TO THE FOUNDATION SHALL BE DESIGNED BY THE PRE-FABRICATED BUILDING ENGINEER.
 4. PRE-FABRICATED ELECTRICAL BUILDING AND GENERATOR NOT SHOWN FOR CLARITY.



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DATE SEP 30, 2022
SCALE: AS SHOWN
DESIGNED BY: NJD
DRAWN BY: NJD
CHECKED BY: SES

**SOUTH WATER RECLAMATION FACILITY
HEADWORKS**

PREPARED FOR
ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:
SETH SCHMID, P.E.
FL LICENSE NUMBER 54640
DATE:

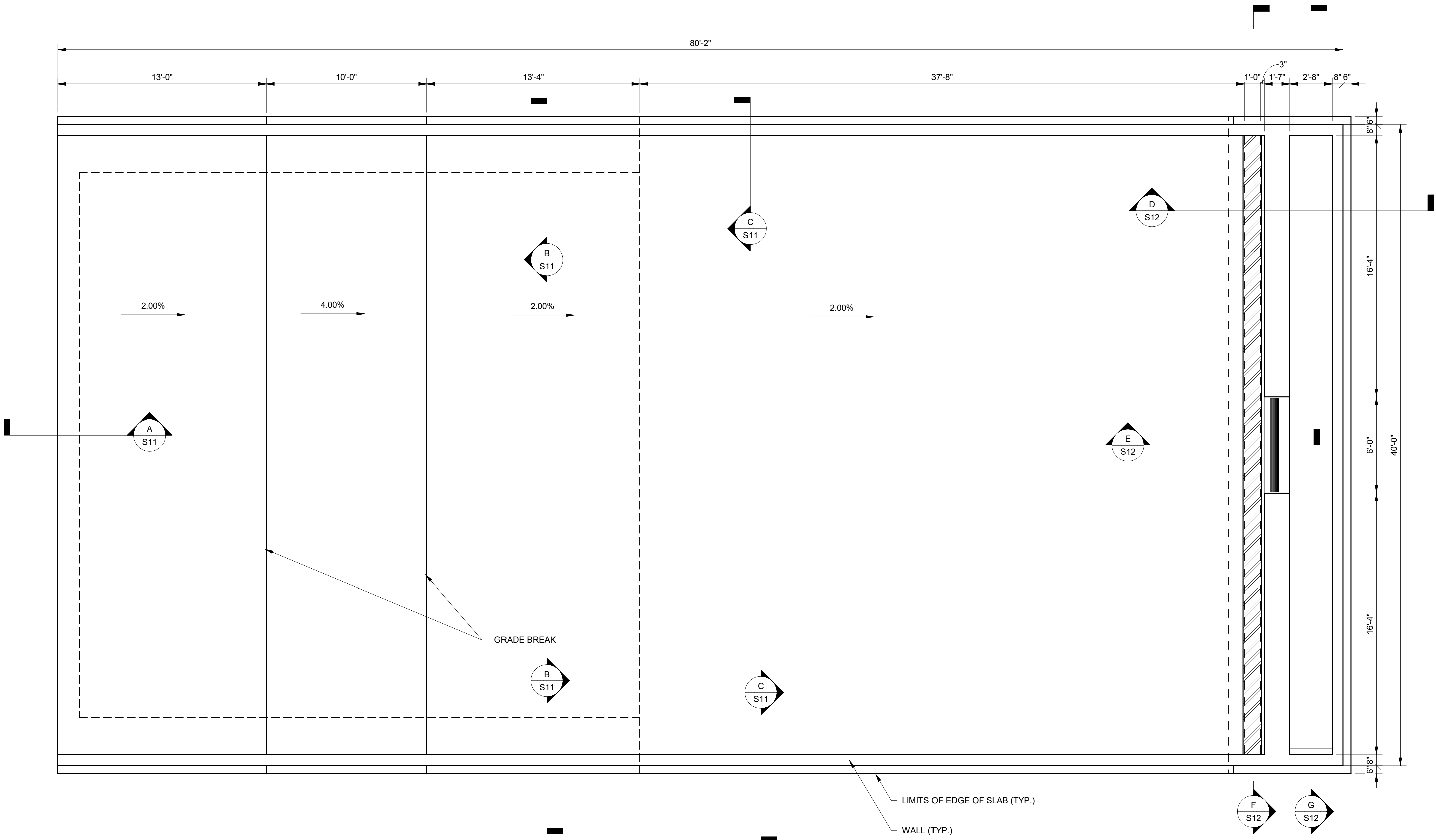
ELECTRICAL SLAB PLAN

SHEET NUMBER

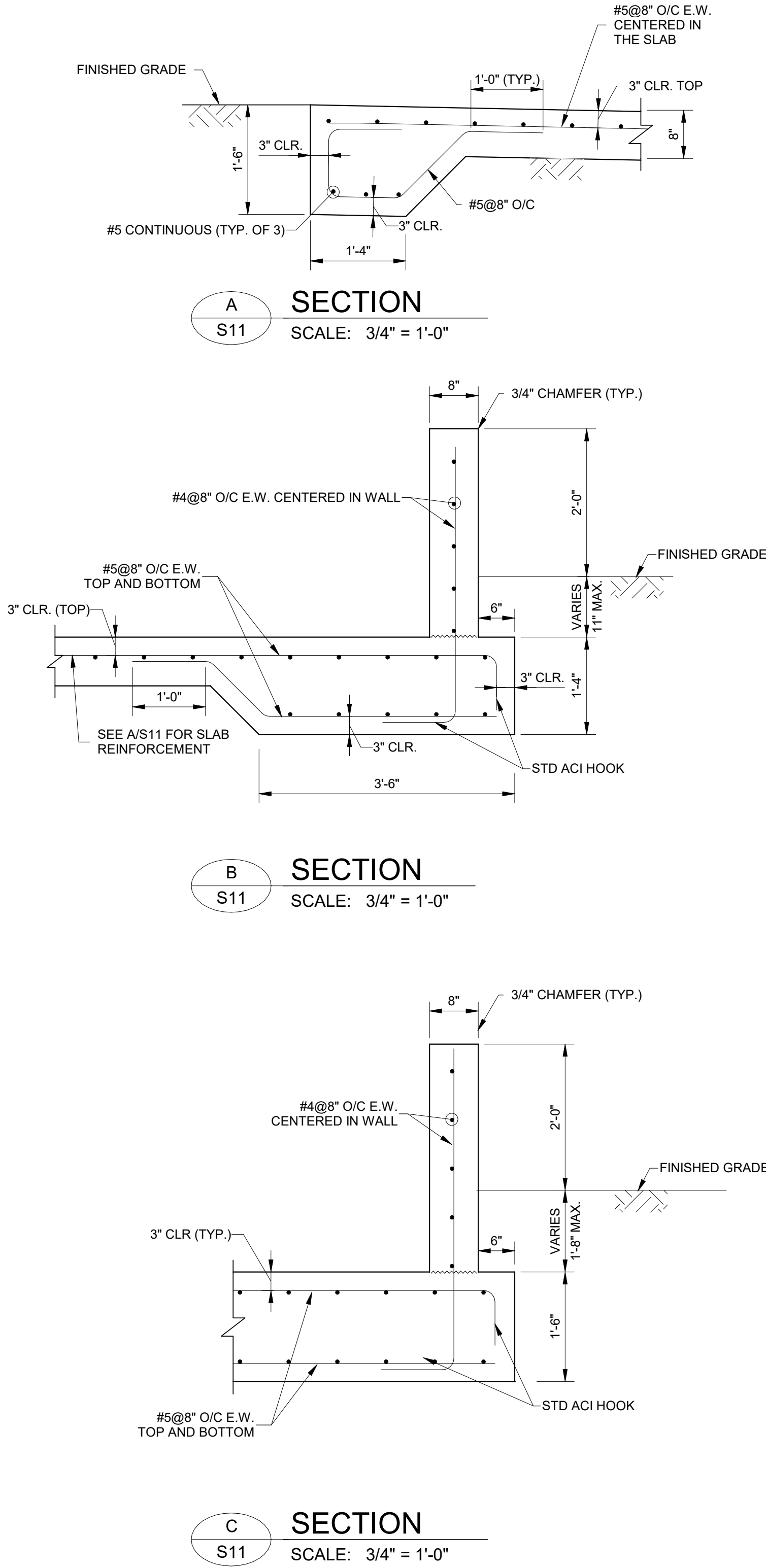
S10

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BM 360:/048104001 - EWD Headworks/EWD Headworks Structures.rvt



1 DRYING BED PLAN
S11 SCALE: 1/4" = 1'-0"



CONSTRUCTION PLANS

No.	Revisions	By	Date

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1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901
PHONE: 239-271-2650
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

KHA PROJECT 048104001
DATE SEP 30, 2022
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LICENSED PROFESSIONAL:
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DATE:

**DRYING BED PLAN, SECTIONS AND
DETAILS (1 OF 2)**

SHEET NUMBER

S11



SHEET NUMBER

S12

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KHA PROJECT 048104001	
DATE SEP 30, 2022	
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DESIGNED BY:	NJD
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ENGLEWOOD WATER DISTRICT

LICENSED PROFESSIONAL:

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54640

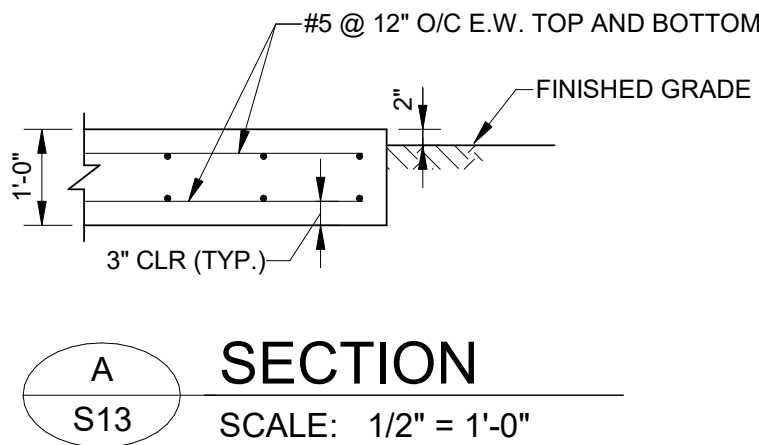
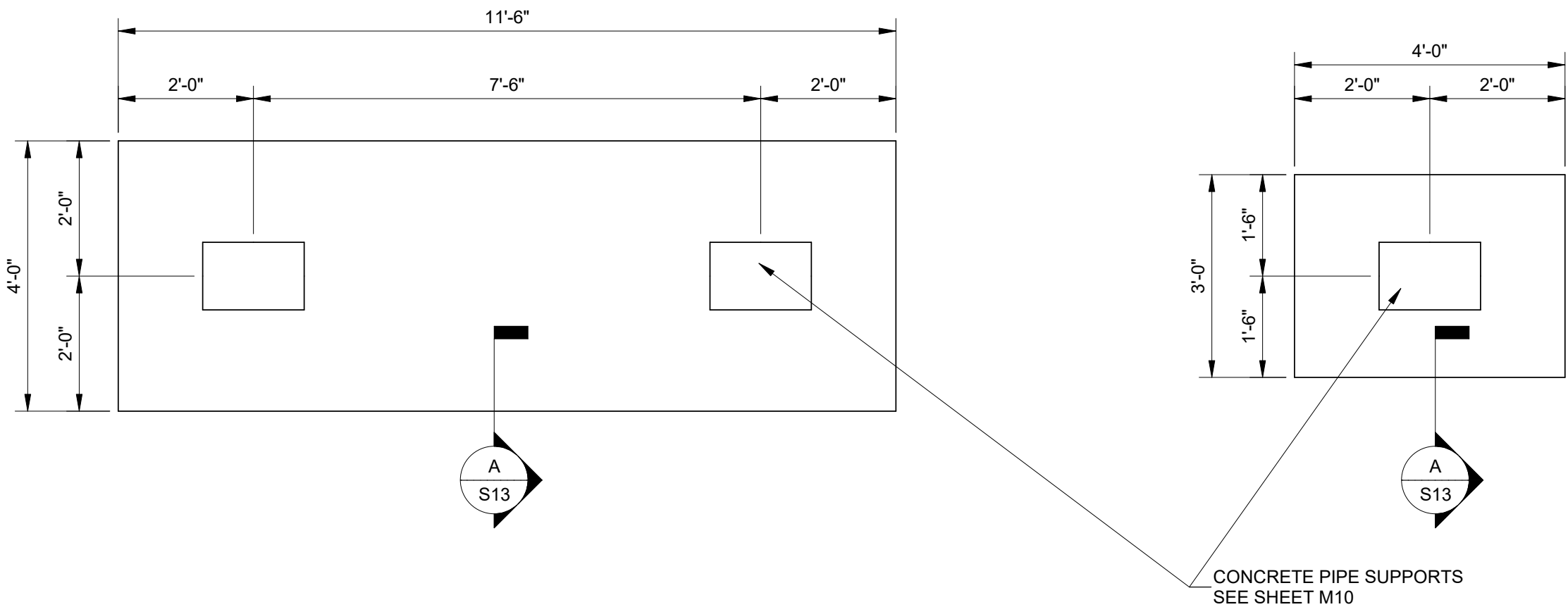
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DRYING BED PLAN, SECTIONS AND DETAILS (2 OF 2)

No.	Revisions	Bv	Date

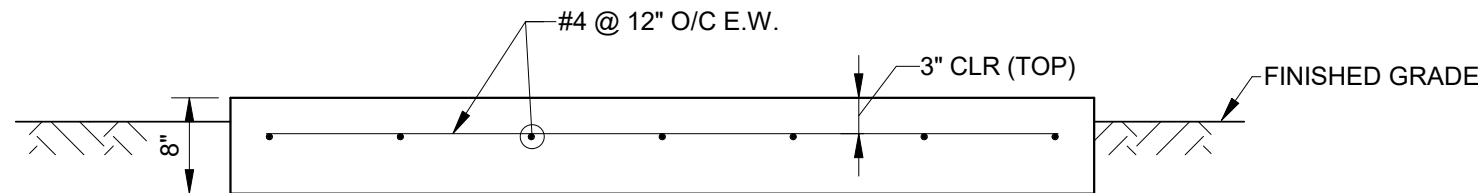
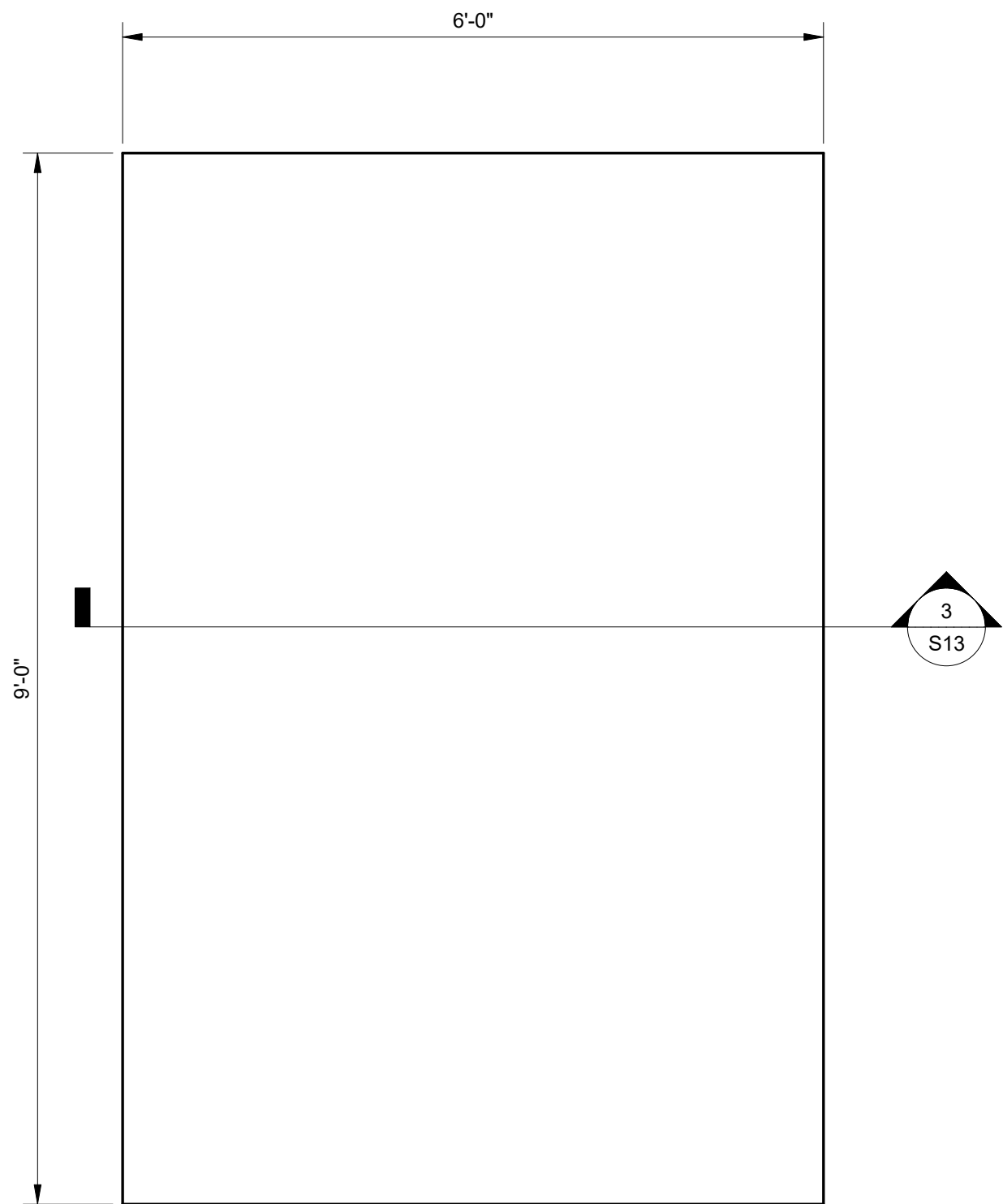
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NOTES:
1. CONTRACTOR TO VERIFY DIMENSIONS WITH PIPING LAYOUT PRIOR TO FABRICATION AND CONSTRUCTION.

1
S13
PIPE SUPPORT PADS
SCALE: 1/2" = 1'-0"



2
S13
WET WELL PIPE SUPPORT PAD PLAN
SCALE: 3/4" = 1'-0"

CONSTRUCTION PLANS

No.	Revisions	By	Date

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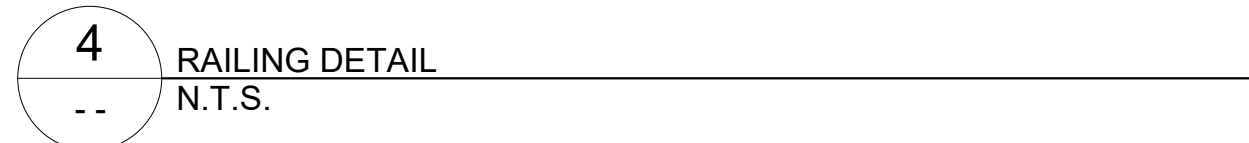
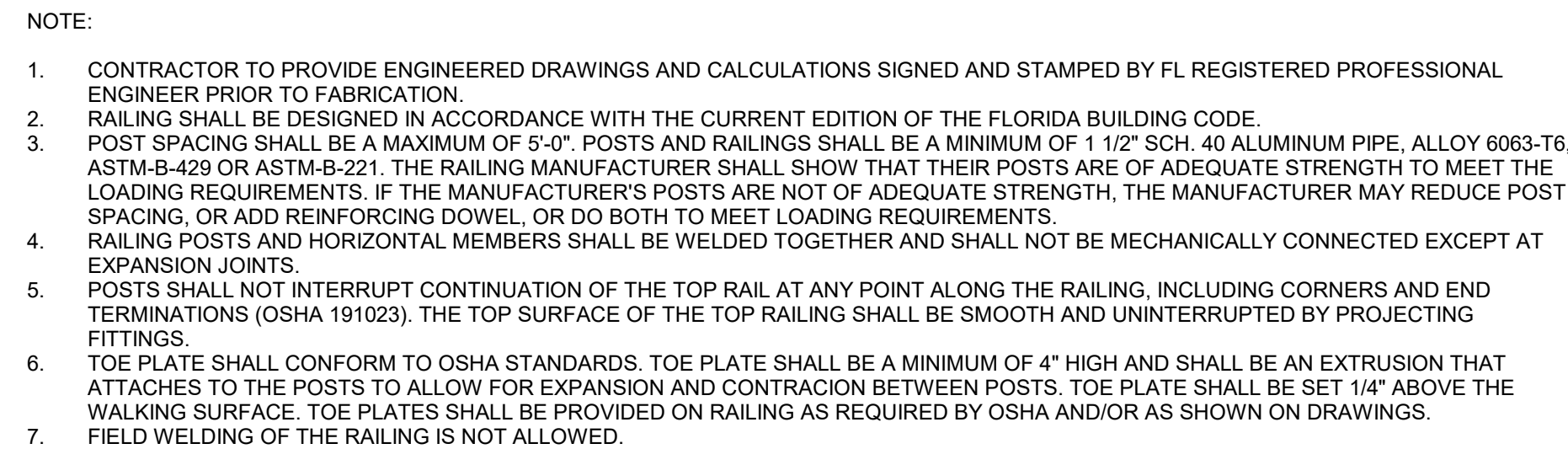
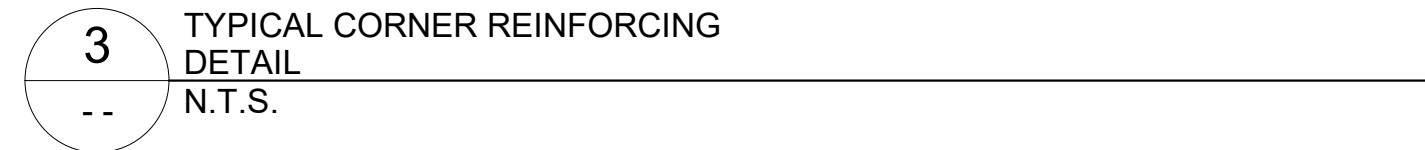
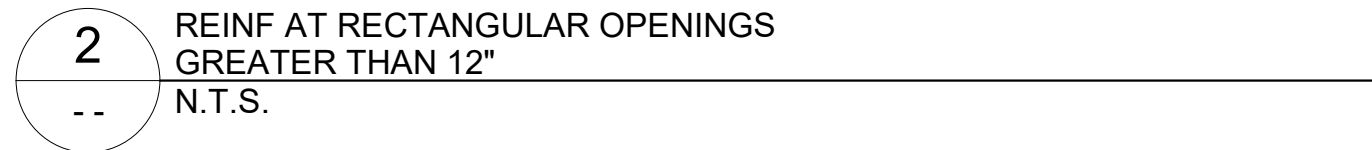
FL. LICENSE NUMBER
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DATE:

PIPE SUPPORT DETAILS

SHEET NUMBER

S13



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SOUTH WATER RECLAMATION FACILITY HEADWORKS

ENGLEWOOD WATER DISTRICT

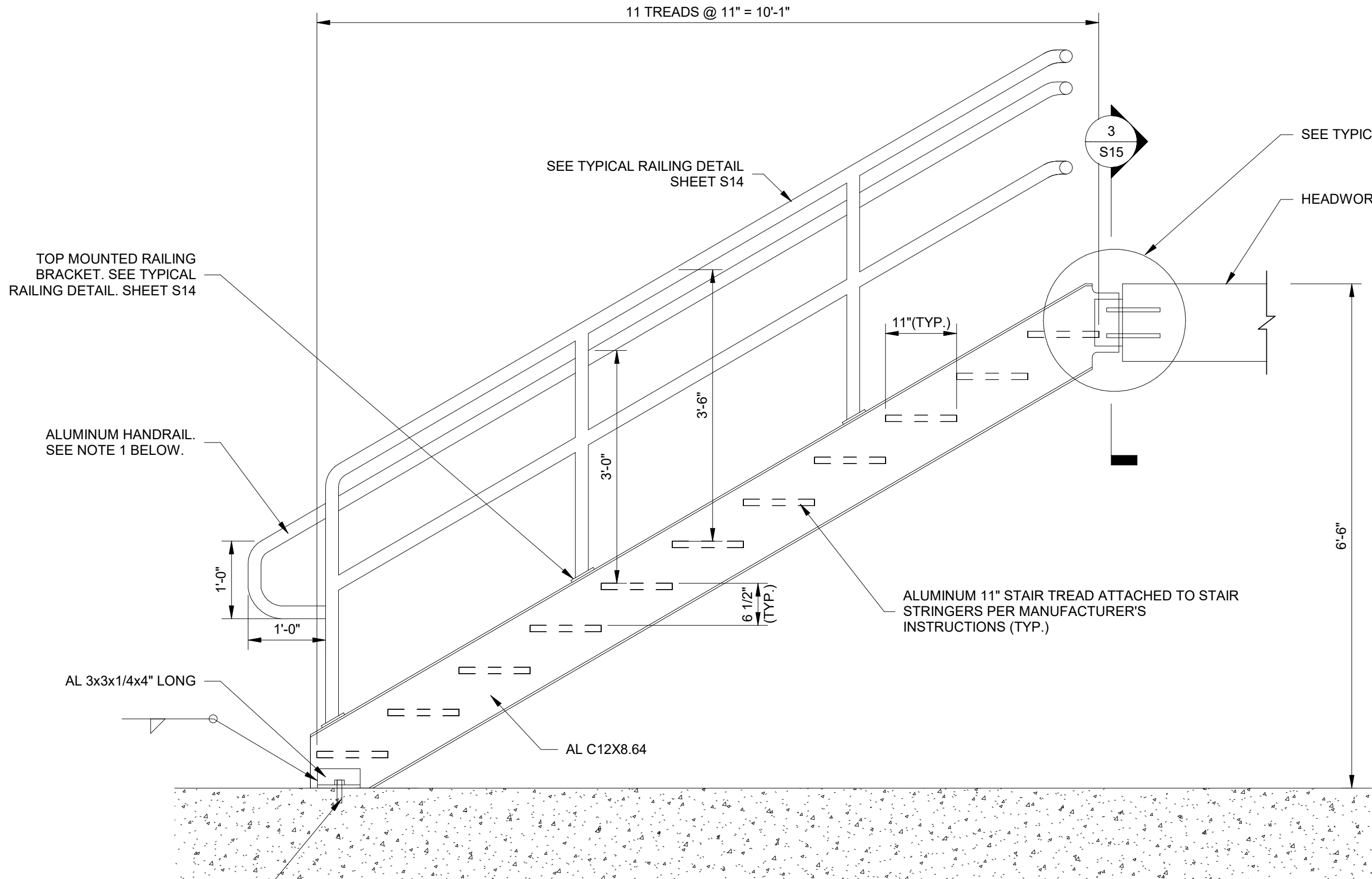
STRUCTURAL DETAILS (1 OF 2)

SHEET NUMBER

S14

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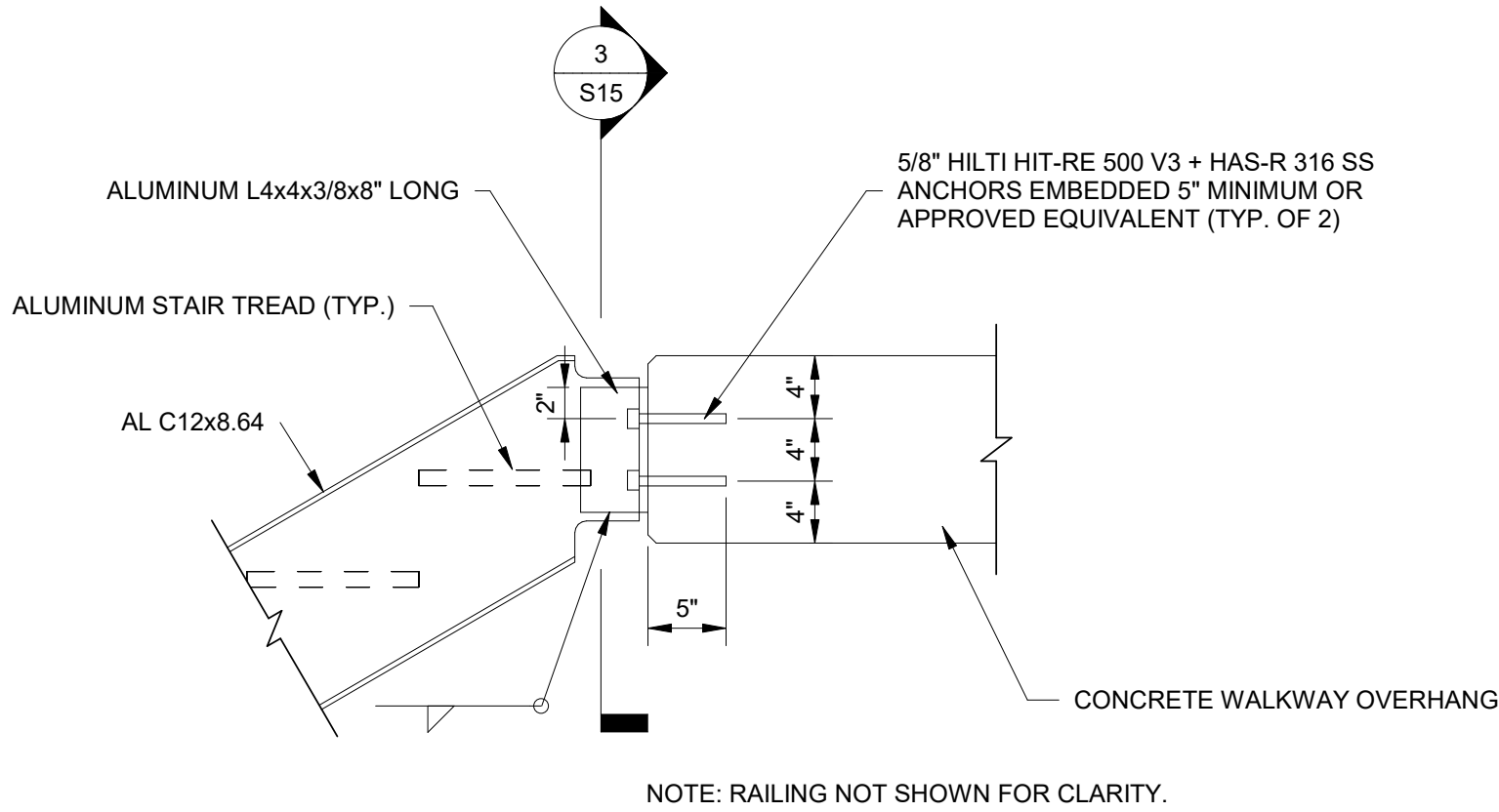
NOTES:

1. HANDRAILS SHALL BE CONSTRUCTED OF 1-1/4" IPS ALUMINUM SCHEDULE 40 ALLOY 6063-T6 PIPE. ALL FITTINGS SHALL BE OF ONE-PIECE EXTRUSION OR CAST AND MACHINED TPE. PROVISIONS SHALL BE MADE TO DRAIN WATER FROM THE HANDRAIL SYSTEM. ATTACH HANDRAILS TO ALUMINUM RAILING PER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE.

1
S15

STAIR DETAILS

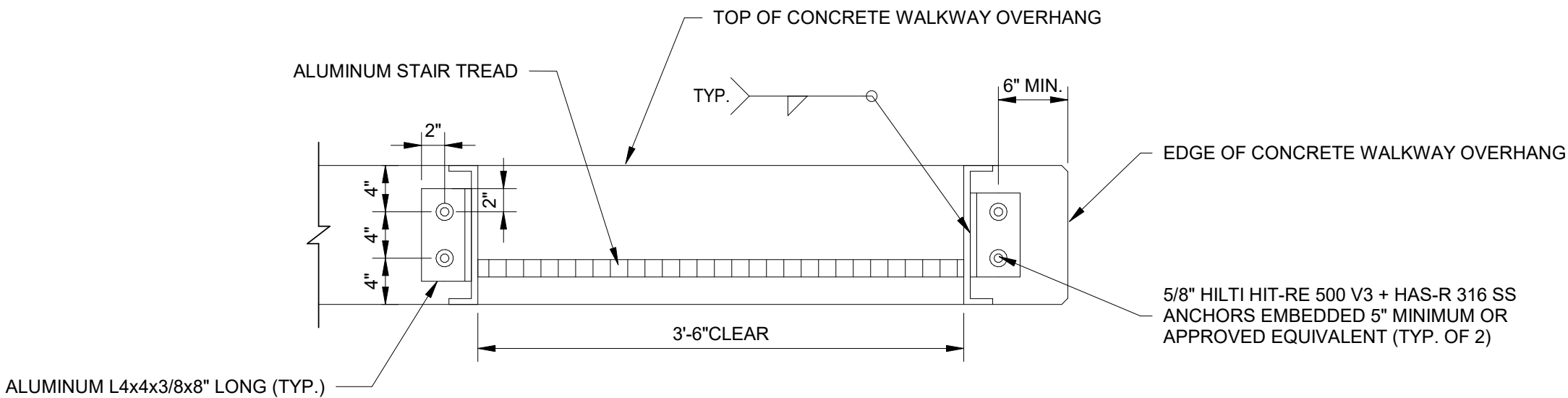
SCALE: 3/4" = 1'-0"



2
S15

TYPICAL STAIR CONNECTION DETAIL

SCALE: 1" = 1'-0"



3
S15

STAIR CONNECTION SECTION

SCALE: 1" = 1'-0"

CONSTRUCTION PLANS

No.	Revisions	By	Date

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STRUCTURAL DETAILS (2 OF 2)

SHEET NUMBER

S15