

SPECIAL INSPECTION

SPECIAL INSPECTIONS

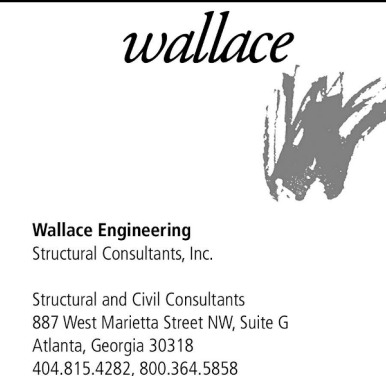
- THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PER SECTION 1704 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTION FOR ITEMS LISTED ON THE STATEMENT OF SPECIAL INSPECTIONS AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
- FABRICATORS OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2.5 OF THE IBC.
- SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

IBC 2012 REQUIRED SPECIAL INSPECTIONS

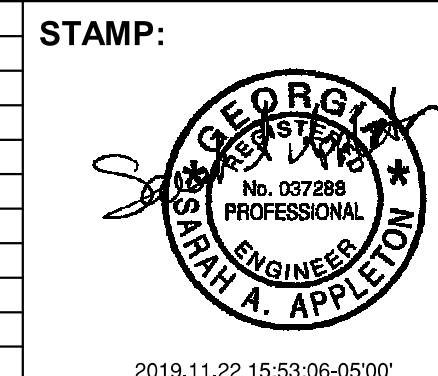
		CONTINUOUS	PERIODIC
STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC TABLE 1705.2.2)			
1.	MATERIAL VERIFICATION OF COLD FORMED STEEL DECK:		
A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
B.	MANUFACTURER'S CERTIFIED TEST REPORTS.	---	X
2.	INSPECTION OF WELDING:		
A.	COLD-FORMED STEEL DECK:	---	---
1)	FLOOR AND ROOF DECK WELDS.	---	X
B.	REINFORCING STEEL:	---	---
1)	VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	---	X
2)	REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	---
3)	SHEAR REINFORCEMENT	X	---
4)	OTHER REINFORCING STEEL	---	X
CONCRETE CONSTRUCTION (IBC TABLE 1705.3)			
1.	INSPECTION OF REINFORCING STEEL AND PLACEMENT.	---	X
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2 ITEM 2B.	---	---
3.	INSPECTION OF ANCHORS CAST IN CONCRETE.	---	X
4.	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	---	X
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	---	X
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
9.	ERECTION OF PRECAST CONCRETE MEMBERS.	---	X
10.	VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X
11.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X
SOILS (IBC TABLE 1705.6)			
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X
DRIVEN DEEP FOUNDATION ELEMENTS (TABLE 1705.7)			
1.	VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.	X	---
2.	DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.	X	---
3.	OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	---
4.	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT.	X	---
5.	FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2.	---	---
6.	FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH REQUIREMENTS FOR CONCRETE CONSTRUCTION.	---	---
7.	FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.	---	---
CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (TABLE 1705.8)			
1.	OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	---
2.	VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	---
3.	FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH REQUIREMENTS FOR CONCRETE CONSTRUCTION.	---	---
	* CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PREFORMED.		
	* PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PREFORMED.		

ACI 530/ACI 530.1 SPECIAL INSPECTION REQUIREMENTS

		CONTINUOUS	PERIODIC
MASONRY CONSTRUCTION - LEVEL B (ACI 530 TABLE 1.19.2)			
1.	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5B.1.b.3 FOR SELF-CONSOLIDATING GROUT.		
2.	VERIFICATION OF f_m IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.		
3.	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	---	X
4.	AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A.	PROPORTIONS OF SITE-PREPARED MORTAR.	---	X
B.	CONSTRUCTION OF MORTAR JOINTS.	---	X
C.	LOCATION OF REINFORCEMENT AND CONNECTORS.	---	X
5.	PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
A.	GROUT SPACE	---	X
B.	GRADE TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.	---	X
C.	PLACEMENT OF REINFORCEMENT AND CONNECTORS.	---	X
D.	PROPORTIONS OF SITE-PREPARED GROUT.	---	X
E.	CONSTRUCTION OF MORTAR JOINTS.	---	X
6.	VERIFY DURING CONSTRUCTION:		
A.	SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	---	X
B.	TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	---	X
C.	WELDING OF REINFORCEMENT.	X	---
D.	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG. F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG. F.)	---	X
E.	PLACEMENT OF GROUT IS IN COMPLIANCE.	X	---
7.	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	---	X
	* CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PREFORMED.		
	* PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PREFORMED.		



No.	Description	Date



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PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	JJM
CHECKED BY:	SA
DATE:	11/22/2019
SCALE:	

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
 SPECIAL INSPECTIONS

DRAWING NO.
RI-PS
S-002
 SHEET OF

**STRUCTURAL STEEL SPECIAL INSPECTIONS
(AISC 360-10, SPECIFICATION CHAPTER N)**

QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR

- THE FABRICATOR'S QUALITY CONTROL INSPECTOR (QCI) SHALL INSPECT THE FOLLOWING:
 - SHOP WELDING, HIGH-STRENGTH BOLTING, AND DETAILS PER SECTION N5.
 - SHOP CUT AND FINISHED SURFACES PER SECTION M2.
 - SHOP HEATING FOR STRAIGHTENING, CAMBERING AND CURVING PER SECTION M2.1.
 - TOLERANCES FOR SHOP FABRICATION PER SECTION 6 OF THE CODE OF STANDARD PRACTICE.
- THE ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) SHALL INSPECT THE FOLLOWING:
 - FIELD WELDING, HIGH-STRENGTH BOLTING, AND DETAILS PER SECTION N5.
 - STEEL DECK AND HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT PER SECTION N6.
 - FIELD CUT SURFACES PER SECTION M2.2.
 - FIELD HEATING FOR STRAIGHTENING PER SECTION M2.1.
 - TOLERANCES FOR FIELD ERECTION PER SECTION 7.13 OF THE CODE OF STANDARD PRACTICE.

QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS. NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE.

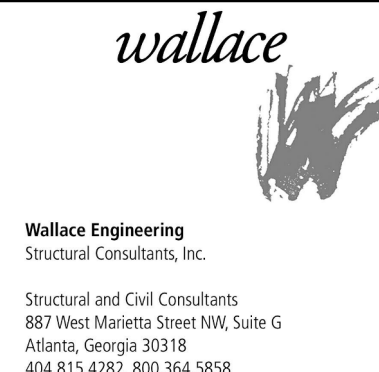
- QUALITY ASSURANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE FABRICATOR'S PLANT. QA INSPECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT SITE.
 - QA INSPECTIONS, EXCEPT NDT, MAY BE WAIVED WHEN THE WORK IS PERFORMED IN A FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) TO PERFORM THE WORK WITHOUT QA.
 - NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA AGENCY SHALL REVIEW THE FABRICATOR'S NDT REPORTS.
 - AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE FABRICATOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
 - AT COMPLETION OF ERECTION, THE APPROVED ERECTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE AHJ STATING THAT THE MATERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
 - THE QUALITY ASSURANCE INSPECTOR (QAI) SHALL REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS AS LISTED IN SECTION N3.2 FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

INSPECTION TASKS LISTED IN THE FOLLOWING TABLES SHALL BE PERFORMED BY BOTH THE FABRICATOR'S/ ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) AND THE QUALITY ASSURANCE INSPECTOR (QAI) UNLESS NOTED OTHERWISE:

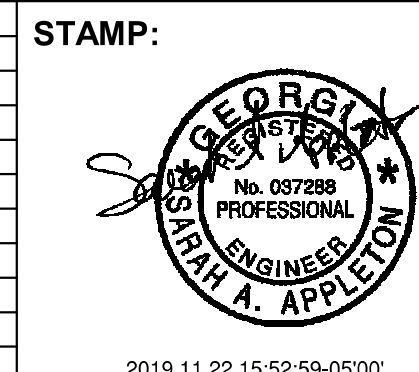
AISC 360-10, CHAPTER N SPECIAL INSPECTION REQUIREMENTS			
		FREQUENCY OF INSPECTION	
		PERFORM	OBSERVE
N5.4 - INSPECTION OF WELDING			
AISC 360-10, TABLE N5.4-1 - INSPECTION TASKS PRIOR TO WELDING			
1.	WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	X	---
2.	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	---
3.	MATERIAL IDENTIFICATION (TYPE/GRADE)	---	X
4.	WELDER IDENTIFICATION SYSTEM (a)	---	X
5.	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)		
A. JOINT PREPARATION			
B.	DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	---	X
C.	CLEANLINESS (CONDITION OF STEEL SURFACES)	---	X
D.	TACKING (TACK WELD QUALITY AND LOCATION)	---	X
E.	BACKING TYPE AND FIT (IF APPLICABLE)	---	X
6.	CONFIGURATION AND FINISH OF ACCESS HOLES	---	X
7.	FIT-UP OF FILLET WELDS		
A. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)			
B.	CLEANLINESS (CONDITION OF STEEL SURFACES)	---	X
C.	TACKING (TACK WELD QUALITY AND LOCATION)	---	X
AISC 360-10, TABLE N5.4-2 - INSPECTIONS DURING WELDING			
1.	USE OF QUALIFIED WELDERS	---	X
2.	CONTROL AND HANDLING OF WELDING CONSUMABLES		
A. PACKAGING			
B.	EXPOSURE CONTROL	---	X
3.	NO WELDING OVER CRACKED TACK WELDS	---	X
4.	ENVIRONMENTAL CONDITIONS		
A. WIND SPEED WITHIN LIMITS			
B.	PRECIPITATION AND TEMPERATURE	---	X
5.	WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED		
A. SETTINGS ON WELDING EQUIPMENT			
B.	TRAVEL SPEED	---	X
C.	SELECTED WELDING MATERIALS	---	X
D.	SHIELDING GAS TYPE / FLOW RATE	---	X
E.	PREHEAT APPLIED	---	X
F.	INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)	---	X
G.	PROPER POSITION (F, V, H, OH)	---	X
6.	WELDING TECHNIQUES		
A. INTERPASS AND FINAL CLEANING			
B.	EACH PASS WITHIN PROFILE LIMITATIONS	---	X
C.	EACH PASS MEETS QUALITY REQUIREMENTS	---	X
AISC 360-10, TABLE N5.4-3 - INSPECTIONS AFTER WELDING			
1.	WELDS CLEANED	---	X
2.	SIZE, LENGTH AND LOCATION OF WELDS	X	---
3.	WELDS MEET VISUAL ACCEPTANCE CRITERIA		
A. CRACK PROHIBITION			
B.	WELD/BASE-METAL FUSION	X	---
C.	CRATER CROSS SECTION	X	---
D.	WELD PROFILES	X	---
E.	WELD SIZE	X	---
F.	UNDERCUT	X	---
G.	POROSITY	X	---
4.	ARC STRIKES	X	---
5.	k-AREA (b)	X	---
6.	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	---
7.	REPAIR ACTIVITIES	X	---
8.	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	---
9.	ULTRASONIC TESTING (UT) ON ALL CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS, IN MATERIALS 5/16 INCH THICK OR GREATER (c)	X	---
10.	THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED USING MAGNETIC PARTICLE TESTING (MT) OR PENETRANT TESTING (PT), WHEN FLANGE THICKNESS EXCEEDS 2 INCHES FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 INCHES FOR BUILT-UP SHAPES (c)	X	---
(a) 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.			
(b) 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 INCHES OF THE WELD.			
(c) THIS INSPECTION TASK IS THE SOLE RESPONSIBILITY OF THE QUALITY ASSURANCE INSPECTOR (QAI).			
** PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.			

AISC 360-10, CHAPTER N SPECIAL INSPECTION REQUIREMENTS			
		FREQUENCY OF INSPECTION	
		PERFORM	OBSERVE
** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.			
N5.6 - INSPECTION OF HIGH-STRENGTH BOLTS			
AISC 360-10, TABLE N5.6-1 - INSPECTION TASKS PRIOR TO BOLTING			
1.	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X (QAI)	X (QCI)
2.	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	---	X
3.	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH)	---	X
4.	PROPER BOLTING PROCEDURES SELECTED FOR JOINT DETAIL	---	X
5.	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	---	X
6.	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED (a)	X	X
7.	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	---	X
AISC 360-10, TABLE N5.6-2 - INSPECTIONS DURING BOLTING			
1.	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	---	X
2.	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	---	X
3.	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING (b)	---	X
4.	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES (b)	---	X
AISC 360-10, TABLE N5.6-3 - INSPECTIONS AFTER BOLTING			
1.	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	---
(a) NOT APPLICABLE FOR SNUG TIGHT JOINTS.			
(b) FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, THE QCI AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS.			
** PERFORM - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.			

AISC 360-10, CHAPTER N SPECIAL INSPECTION REQUIREMENTS			
		FREQUENCY OF INSPECTION	
		PERFORM	OBSERVE
** OBSERVE - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.			
N5.7 - OTHER INSPECTION TASKS			
1.	INSPECT THE STEEL TO VERIFY COMPLIANCE WITH THE DETAILS SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION	X	---
2.	INSPECT THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE	X	---
** PERFORM - PERFORM THESE TASKS FOR EACH CONNECTION.			



No.	Description	Date



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PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	JJM
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
SPECIAL INSPECTIONS

DRAWING NO.
RI-PS
S-003
SHEET OF

PRE-FABRICATED COLD-FORMED STEEL TRUSS NOTES:

- LOADS SHOWN ARE SERVICE LEVEL VALUES.
- TRUSS BEARING POINTS SHALL BE DESIGNED AS PINNED.
- TRUSS CHORDS SHALL BE 18 GAGE OR HEAVIER.
- TRUSS SPACING SHALL BE AS SHOWN ON PLAN, NOT TO EXCEED 6'-0" O.C.
- MAXIMUM TRUSS TOTAL LOAD DEFLECTION SHALL NOT EXCEED SPAN/240 FOR TOTAL LOADS AND SPAN/360 FOR LIVE LOADS.
- MATERIAL SHALL BE GALVANIZED.
- TRUSS MANUFACTURER SHALL DESIGN THE TRUSSES, BRACES, PURLINS AND CONNECTIONS TO MEET THE DESIGN CRITERIA SHOWN.
- REFER TO ARCH. FOR TRUSS DIMENSIONS.
- CONNECTIONS BETWEEN TRUSSES AND TRUSS MEMBERS SHALL BE DESIGNED AND PROVIDED BY THE MANUFACTURER.
- COORDINATE TRUSS FRAMES WITH STRUCTURAL SECTIONS FOR SUPPORT CONFIGURATIONS.
- THE COLD FORMED TRUSS MANUFACTURER SHALL PROVIDE BOTTOM CHORD BRACING FOR UPLIFT.
- TRUSS DESIGNS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. SHOP DRAWING SUBMITTALS (INCLUDING DRAWINGS AND CALCULATIONS) SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. INCLUDE SERVICE AND ULTIMATE LOAD TRUSS REACTIONS ON THE SHOP DRAWINGS FOR ALL LOAD COMBINATIONS. INDICATE WHICH LOAD COMBINATION APPLIES THE LARGEST LOAD TO THE STRUCTURE.
- SHOP DRAWING SUBMITTALS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO TRUSS FABRICATIONS.
- MANUFACTURER SHALL COMPLY WITH REQUIREMENTS SET BY THE NORTH AMERICAN STEEL FRAMING ALLIANCE AND LIGHT GAGE STEEL ENGINEERS ASSOCIATION.
- REFER TO THE MECHANICAL DRAWINGS FOR EQUIPMENT/DUCTWORK WITHIN THE TRUSS PROFILES AND COORDINATE THE TRUSS LOCATIONS AND TRUSS-WEB CONFIGURATIONS TO ACCOMMODATE.

LOADS:
 MAX. TOP CHORD DEAD LOAD = 18.0 PSF
 (USE: 5 PSF MIN. IN ADDITION TO SELF WEIGHT FOR UPLIFT CASES)

MAX. BOTTOM CHORD DEAD LOAD = 8.0 PSF
 (USE: 0 PSF MIN. IN ADDITION TO SELF WEIGHT FOR UPLIFT CASES)

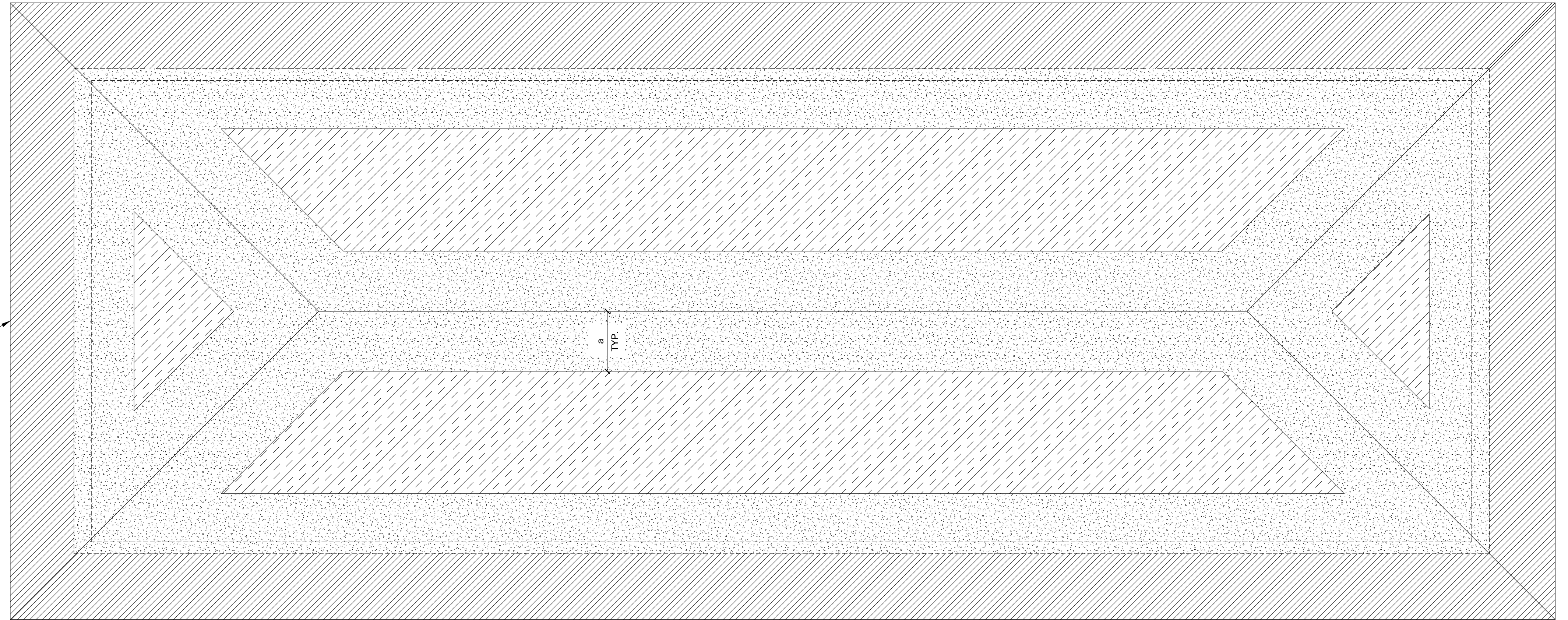
ROOF LIVE LOAD = 20.0 PSF
 SNOW LOAD = 5.5 PSF

ZONE 1 (200 SF AREA), ASD = 16.6 PSF
 ZONE 1 (50 SF AREA), ASD = 17.6 PSF

ZONE 2&3 (200 SF AREA), ASD = 16.6 PSF
 ZONE 2&3 (50 SF AREA), ASD = 20.0 PSF UPLIFT
 ZONE 2&3 (50 SF AREA), ASD = 17.1 PSF
 ZONE 2&3 (50 SF AREA), ASD = 21.0 PSF UPLIFT

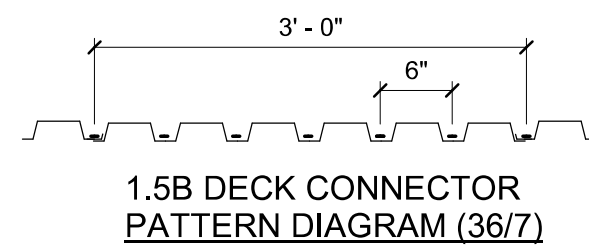
OVERHANG UPLIFT, ASD = 33.8 PSF
 a = 3.4 FT

ADDITIONAL 30 PLF RAIN
 LOAD TYP. AT
 PERIMETER GUTTERS

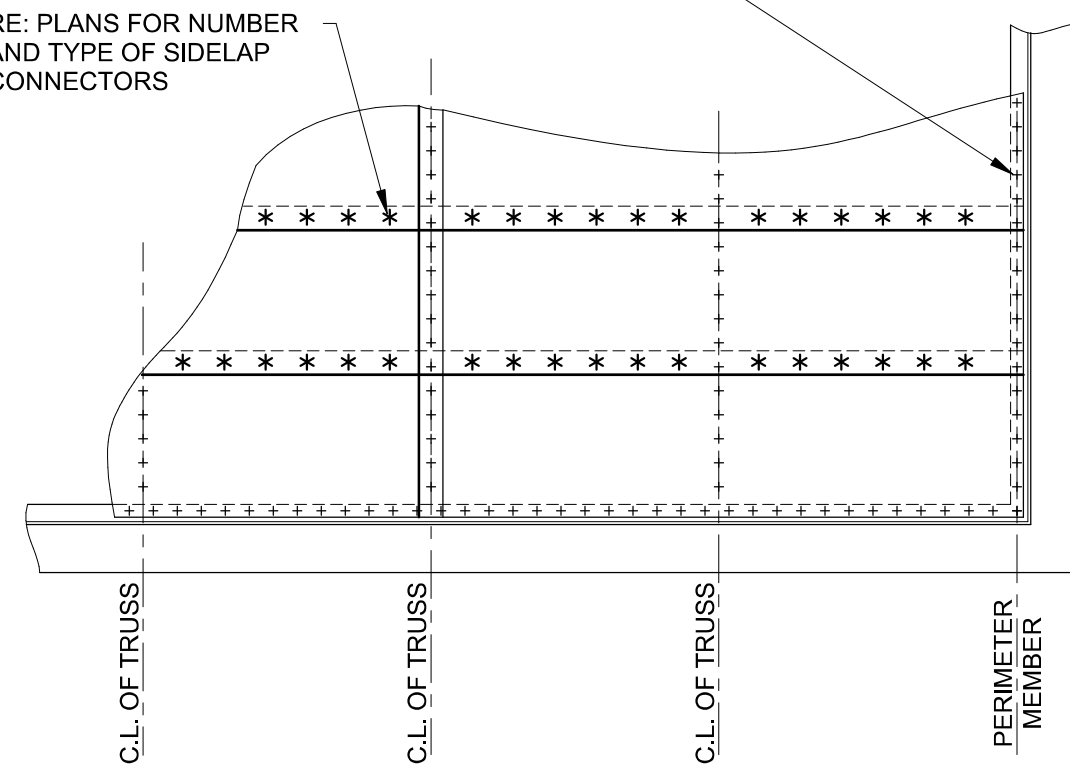


5 PREFABRICATED COLD FORMED TRUSS LOADING DIAGRAMS
 1/4" = 1'-0"

(+) DECK TO STEEL MEMBER
 #12 TEK SCREWS AT 6" O.C.
 AROUND ALL OPENINGS, AT
 INTERIOR AND EXTERIOR
 SUPPORTS, AND AT ALL
 CONT. ANGLES, U.N.O.



(*) RE: PLANS FOR NUMBER
 AND TYPE OF SIDELAP
 CONNECTORS



4 ROOF DECK DIAPHRAGM CONNECTION DIAGRAM
 3/4" = 1'-0"

2012 IBC CONCRETE REINFORCING LAP SCHEDULE

BAR SIZE	LAP LENGTH (f _c =3000psi)	
	TOP BARS (NOTE 1)	OTHER
#3	28"	22"
#4	38"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"

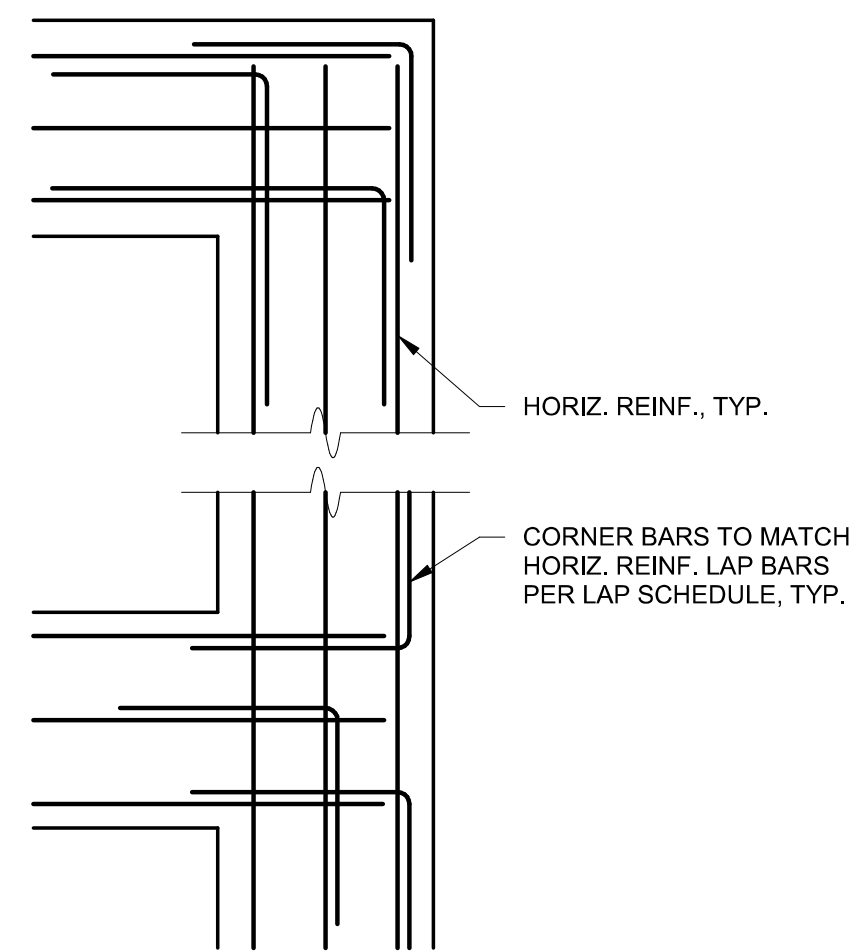
NOTES
 1. "TOP BARS" IS WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE SPLICE.

2012 IBC CONCRETE REINFORCING LAP SCHEDULE

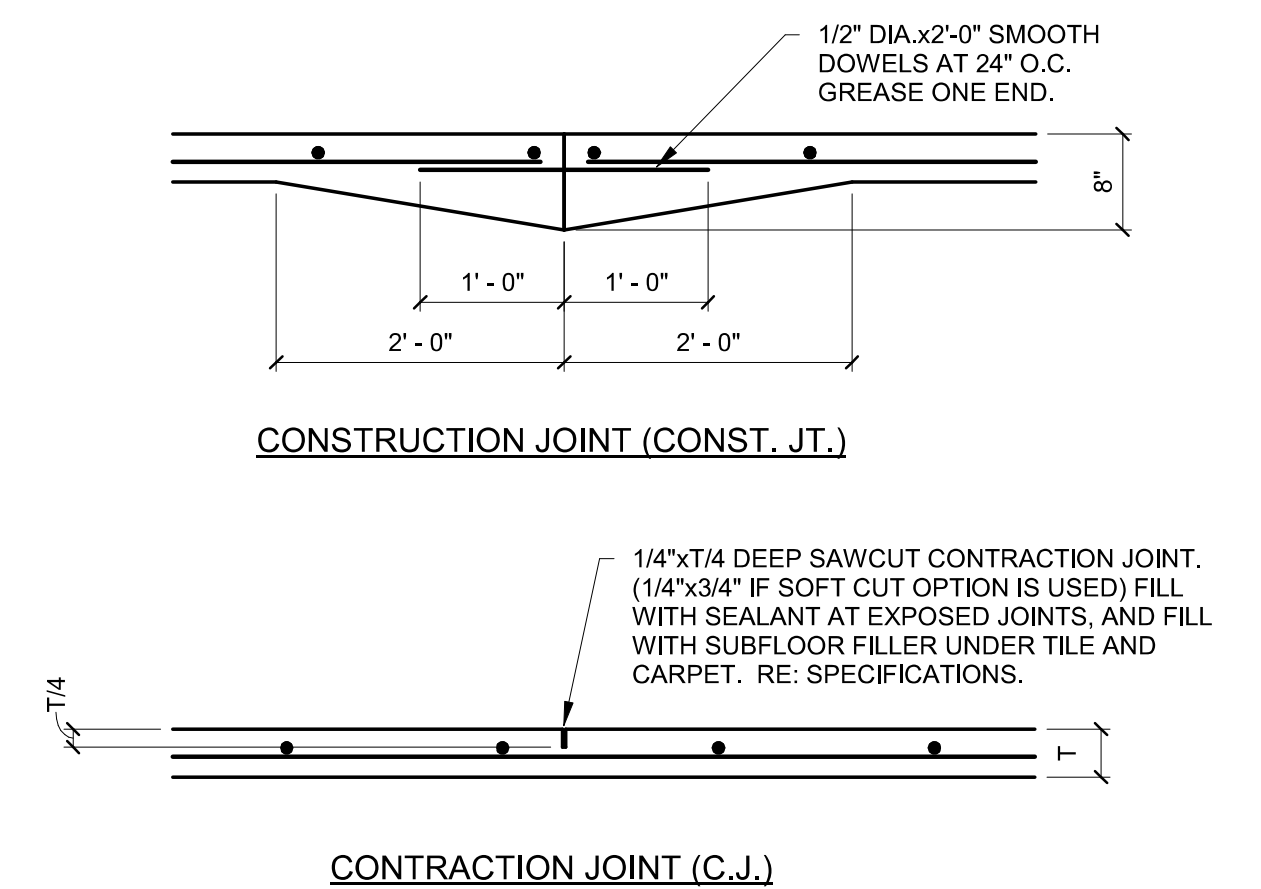
BAR SIZE	LAP LENGTH (f _c =5000psi)	
	TOP BARS (NOTE 1)	OTHER
#3	22"	17"
#4	29"	23"
#5	36"	28"
#6	44"	34"
#7	63"	49"
#8	72"	56"
#9	81"	63"
#10	92"	71"

NOTES
 1. "TOP BARS" IS WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE SPLICE.

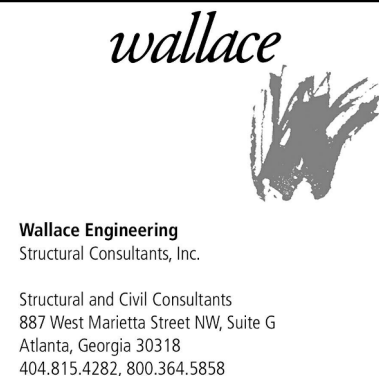
3 CONCRETE REINFORCING LAP SCHEDULE
 3/4" = 1'-0"



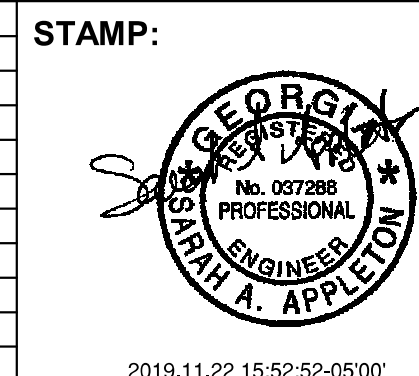
2 CORNER BAR DETAIL
 3/4" = 1'-0"



1 SLAB JOINT DETAILS
 3/4" = 1'-0"



No.	Description	Date



ADDRESS:
 BGR2-JV
 6 CONCOURSE PARKWAY
 SUITE 1600
 ATLANTA, GA 30328
 (707) 569-7038 x101
 FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	JJM
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1

RIVER INTAKE PUMP STATION

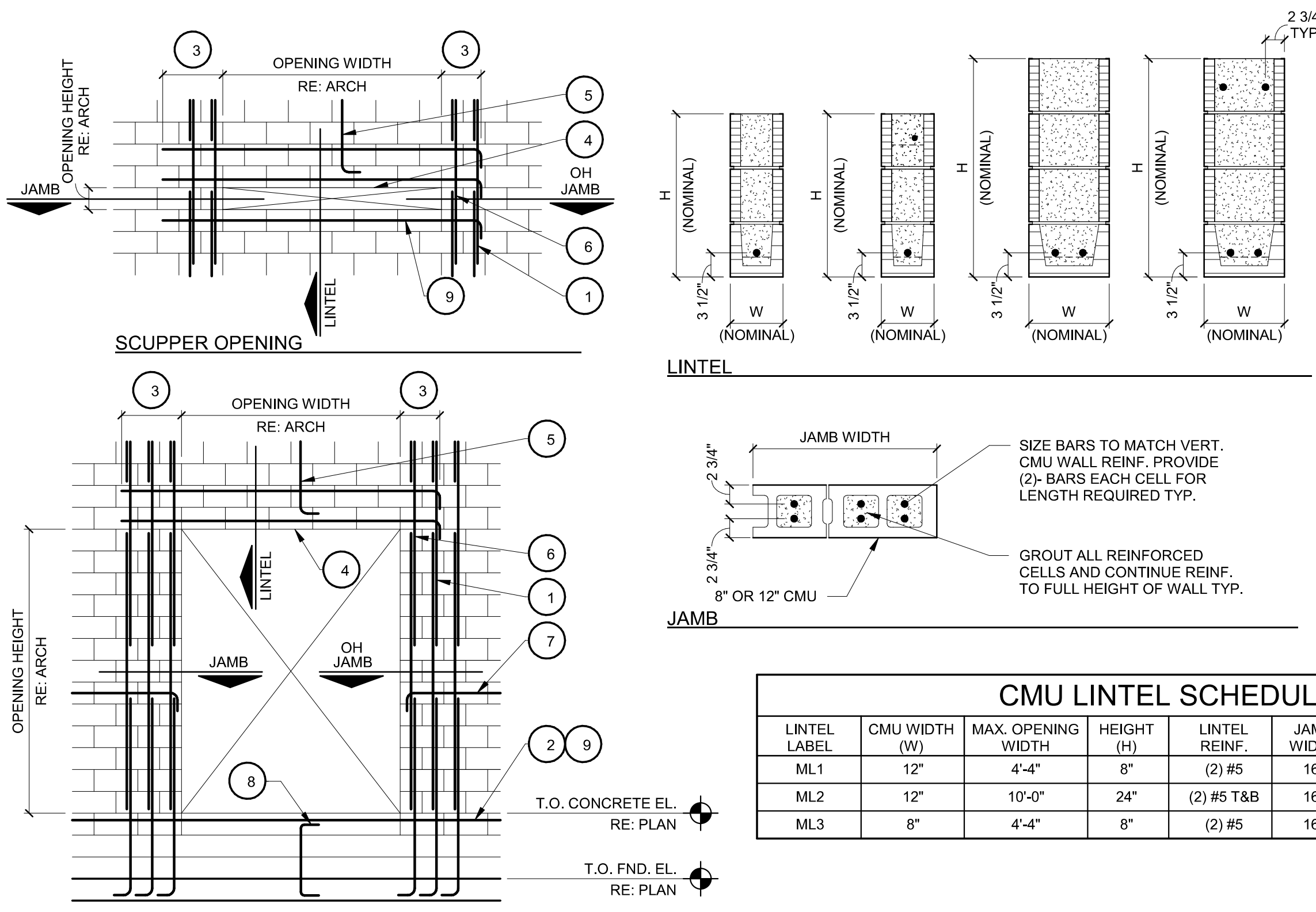
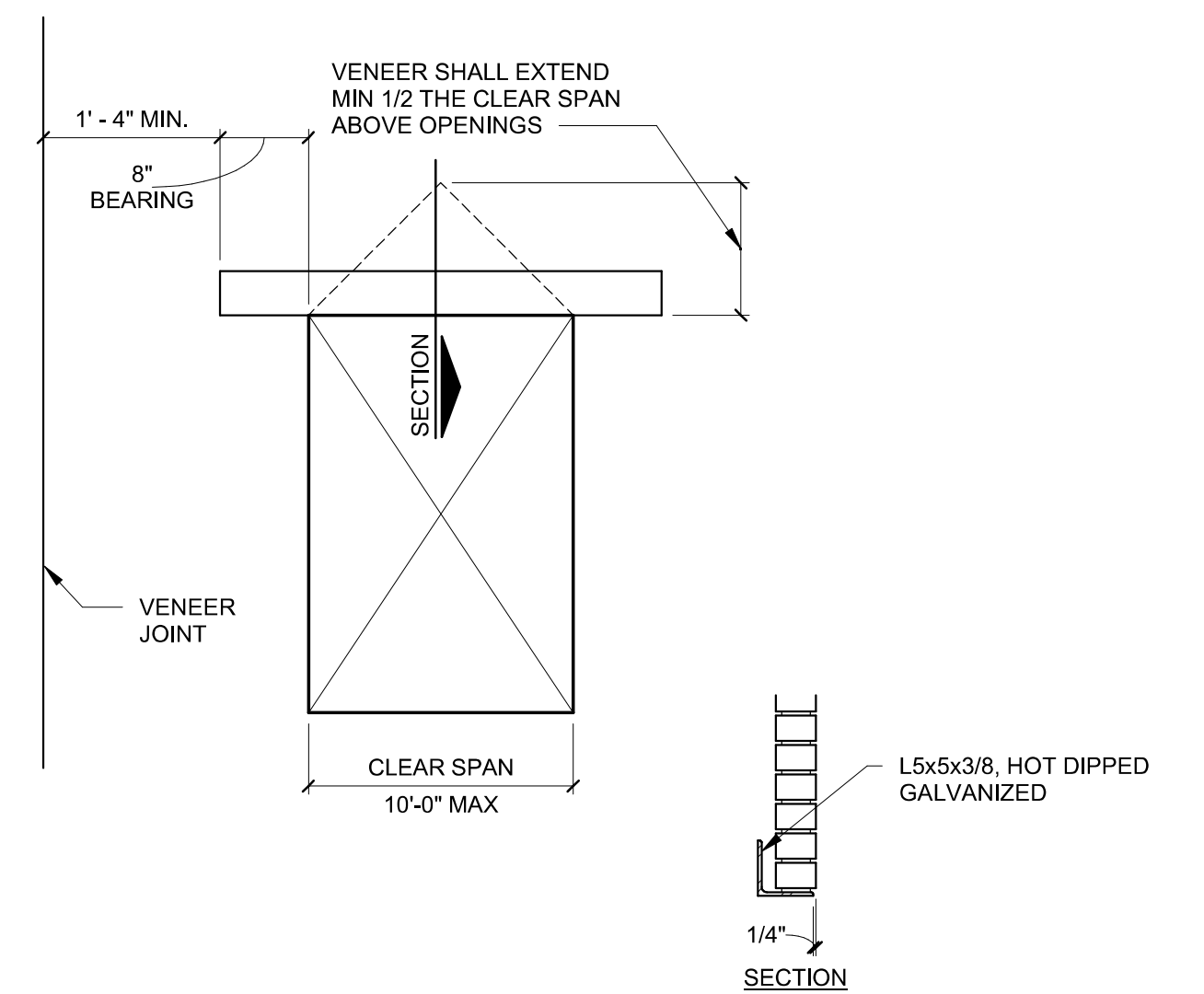
TYPICAL DETAILS

DRAWING NO.
RI-PS
S-004
 SHEET OF

THE SIZE AND LOCATION OF PENETRATIONS THROUGH MASONRY WALLS NOT INDICATED ON THE STRUCTURAL CONTRACT DOCUMENTS FOR MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER MISC. WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INITIATION OF WORK. PENETRATIONS SHALL NOT BE INSTALLED WITHOUT WRITTEN APPROVAL BY THE ENGINEER-OF-RECORD. DO NOT CUT BOND BEAMS WITHOUT WRITTEN APPROVAL BY THE ENGINEER-OF-RECORD.

THE SIZE AND LOCATION OF EMBEDDED ITEMS, INCLUDING ELECTRICAL BOXES, IN MASONRY WALLS FOR MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER MISC. WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INITIATION OF WORK. EMBEDDED ITEMS SHALL NOT BE INSTALLED WITHOUT WRITTEN APPROVAL BY THE ENGINEER-OF-RECORD.

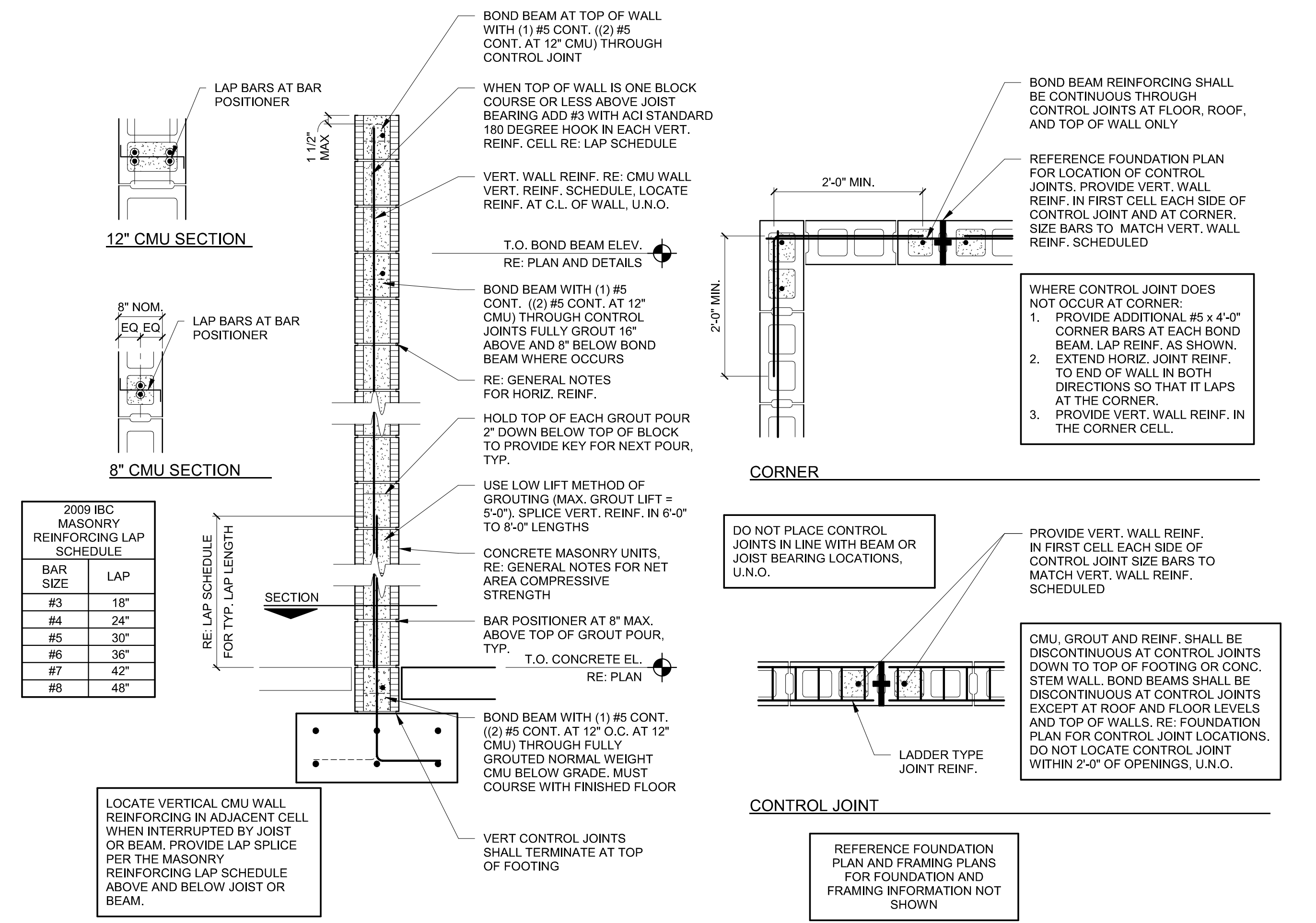
3 MASONRY VENEER LOOSE LINTEL ANGLE



- NOTES**
1. REFERENCE MASONRY REINFORCING LAP SCHEDULE FOR SPLICES IN VERTICAL REINFORCING.
 2. BOND BEAM, REFERENCE CMU WALL REINFORCING DIAGRAM.
 3. EXTEND GROUTED LINTEL A MINIMUM OF 2'-0" OR 40 BAR DIAMETERS (WHICHEVER IS GREATER) BEYOND FACE OF OPENING EACH SIDE (EXTEND BARS THROUGH CONTROL JOINTS OR AROUND CORNERS AS REQUIRED).
 4. USE LINTEL BLOCKS ONLY FOR BOTTOM COURSE OF LINTEL BEAMS OVER OPENINGS, U.N.O.
 5. CONTINUE VERTICAL WALL REINFORCING OVER OPENING. ANCHOR VERTICAL REINFORCING INTO LINTEL BEAM WITH STANDARD ACI 90° HOOK.
 6. ALL VERTICAL BARS AT OPENING JAMBS TO BE FULL HEIGHT.
 7. WHERE HORIZONTAL REINFORCING IS TERMINATED BY OPENING OR CONTROL JOINT PROVIDE STANDARD ACI HOOK WITH VERTICAL WALL REINFORCING IN THE END CELL.
 8. PROVIDE VERTICAL REINFORCING BELOW OPENING WITH STANDARD ACI 90° HOOK INTO FOOTING AND INTO SLAB TURN-DOWN.
 9. PROVIDE (1) #5 AT BOTTOM OF ALL OPENINGS ABOVE FINISHED FLOOR. EXTEND A MINIMUM OF 2'-0" BEYOND FACE OF OPENING EACH SIDE FOR STRAIGHT REINFORCEMENT AND 1'-4" FOR HOOKED REINFORCEMENT WITH STANDARD ACI HOOK.
 10. PENETRATIONS IN CMU WALLS SHALL HAVE LINTEL AND JAMB DESIGNS AS PROVIDED BY TYPE ML1 FOR 12" WALLS AND ML3 FOR 8" WALLS, U.N.O.

CMU LINTEL SCHEDULE						
LINTEL LABEL	CMU WIDTH (W)	MAX. OPENING WIDTH	HEIGHT (H)	LINTEL REINF.	JAMB WIDTH	JAMB REINF. (PER CELL)
ML1	12"	4'-4"	8"	(2) #5	16"	(2) #5
ML2	12"	10'-0"	24"	(2) #5 T&B	16"	(2) #5
ML3	8"	4'-4"	8"	(2) #5	16"	(2) #5

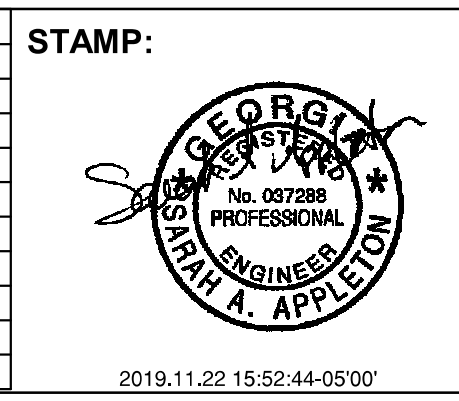
2 TYPICAL MASONRY WALL OPENING DIAGRAM AND SCHEDULE



1 CMU WALL REINFORCING DIAGRAM



No.	Description	Date



ADDRESS:
 BGR2-JV
 6 CONCOURSE PARKWAY
 SUITE 1600
 ATLANTA, GA 30328
 (707) 569-7038 x101
 FAX: (707) 993-5082

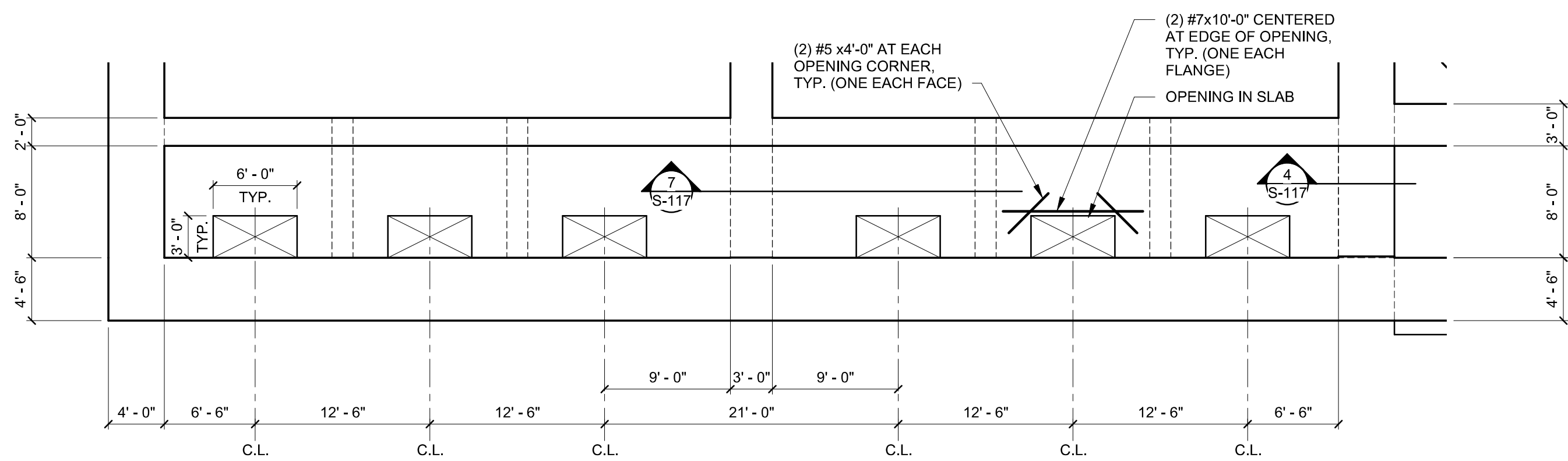
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	JJM
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	3/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
 TYPICAL DETAILS

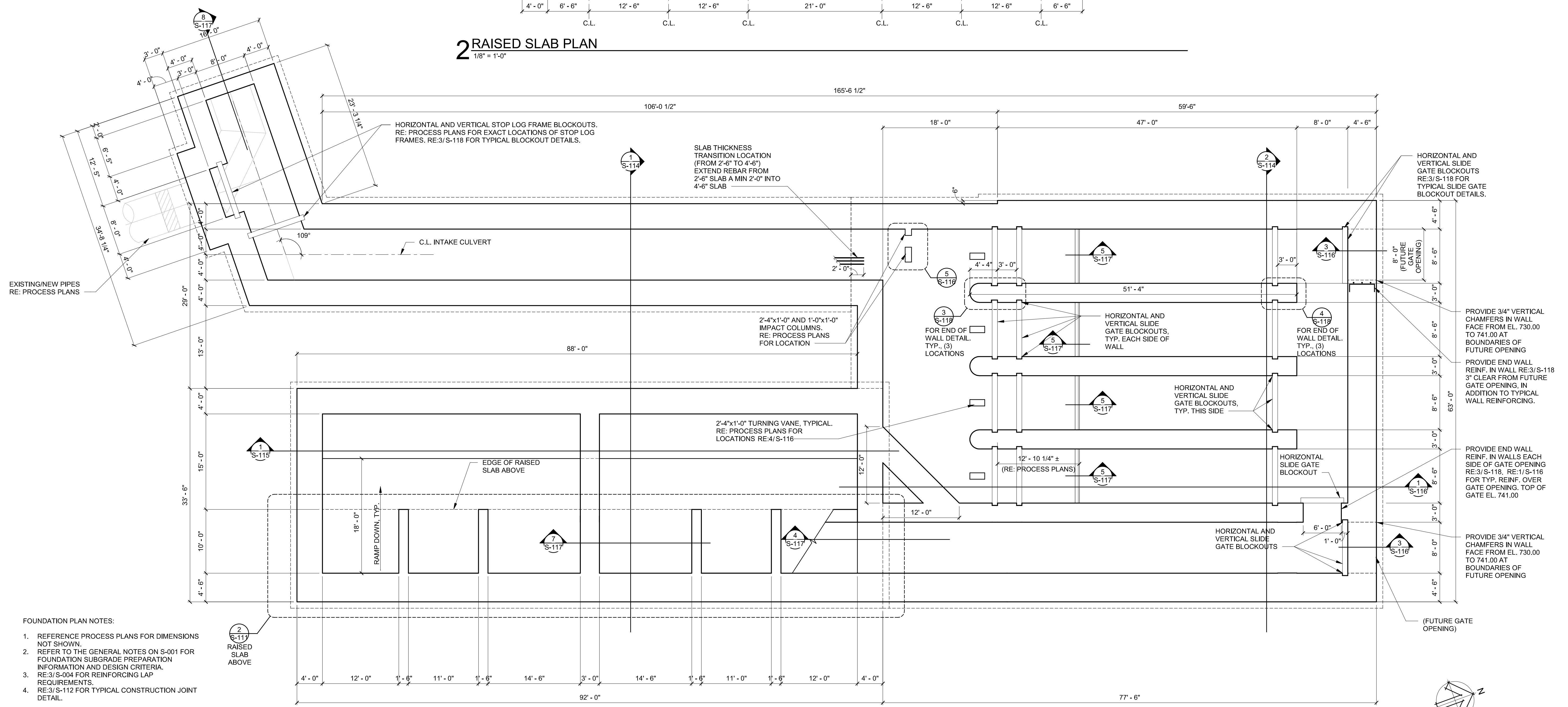
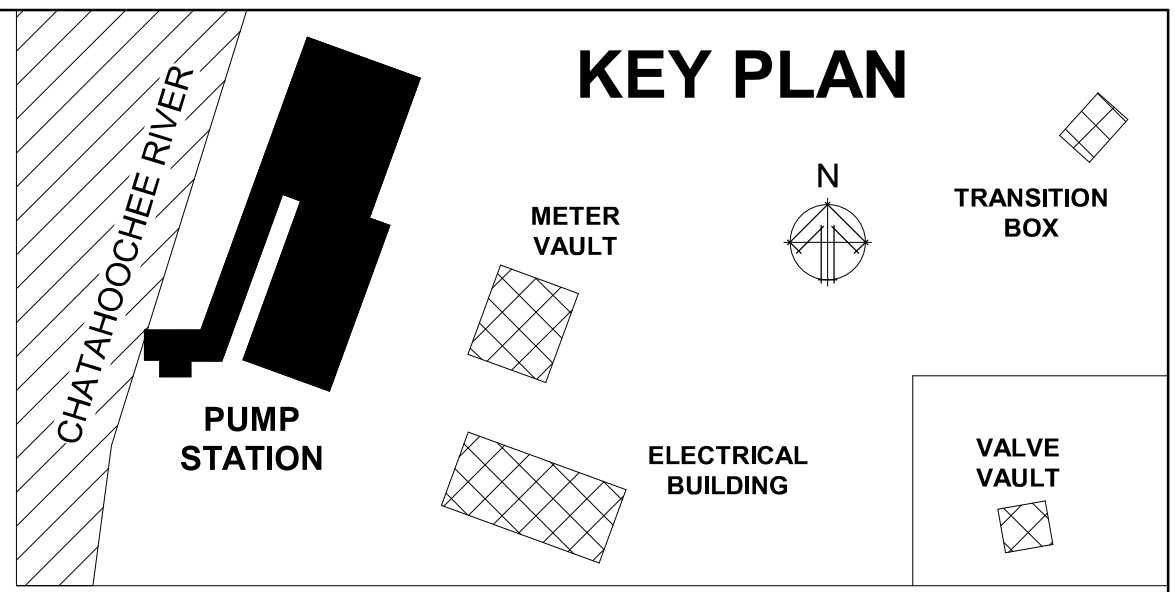
DRAWING NO.
RI-PS
S-005
 SHEET OF

ISSUED FOR BIDDING

11/22/2019 3:30:41 PM

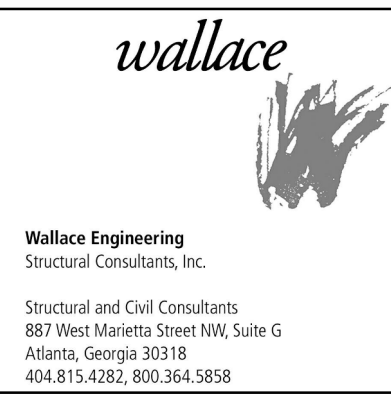


2 RAISED SLAB PLAN
1/8" = 1'-0"

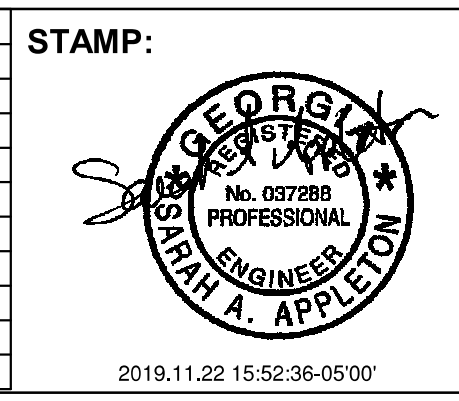


- FOUNDATION PLAN NOTES:**
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE:3/S-004 FOR REINFORCING LAP REQUIREMENTS.
 4. RE:3/S-112 FOR TYPICAL CONSTRUCTION JOINT DETAIL.

1 PUMP STATION FOUNDATION
1/8" = 1'-0"



No.	Description	Date

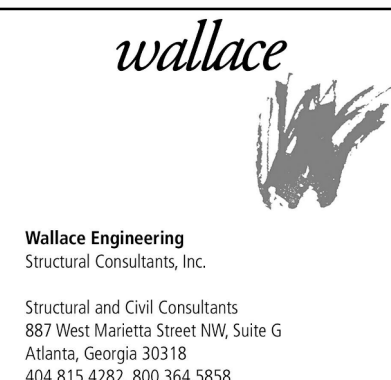
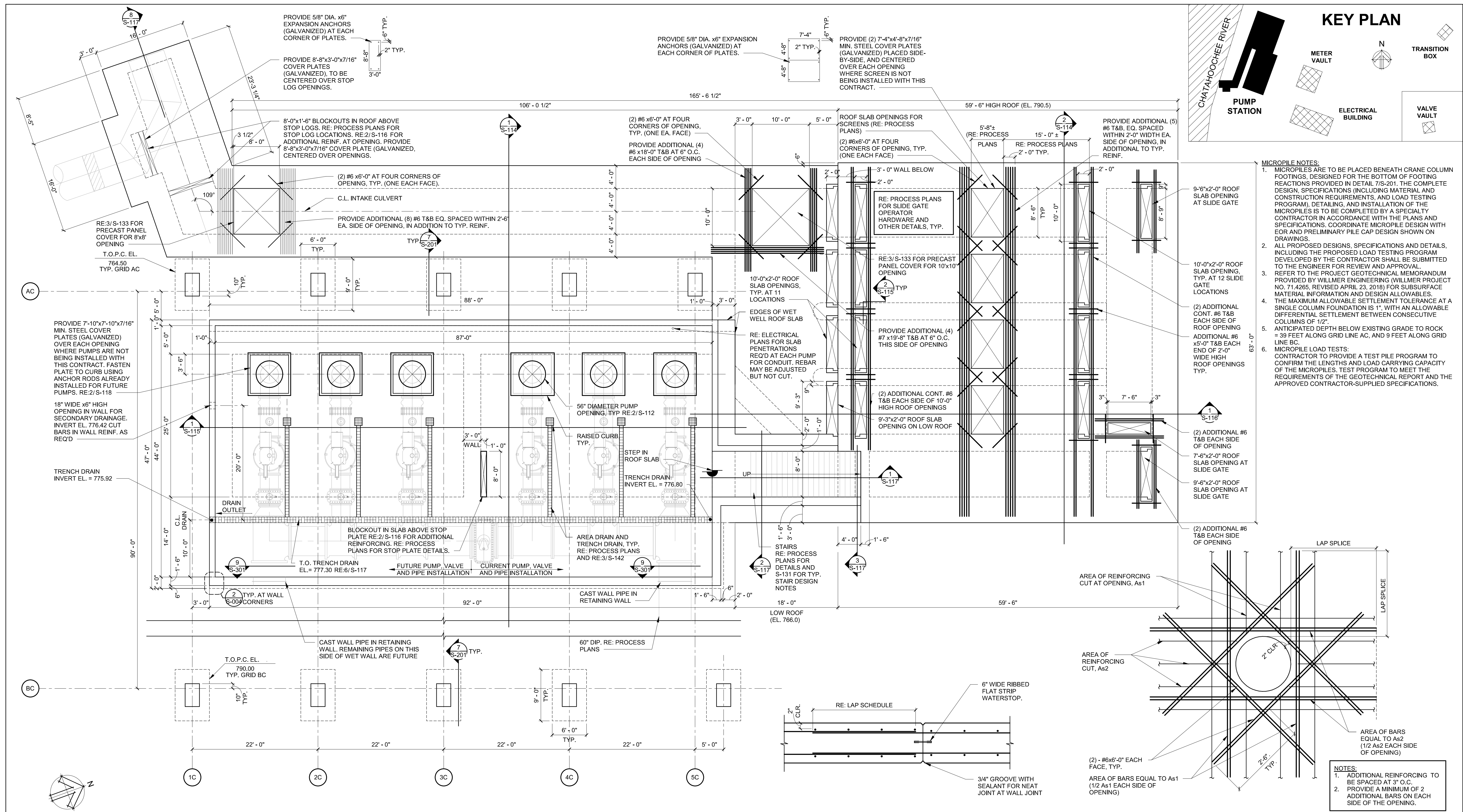


ADDRESS:
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6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

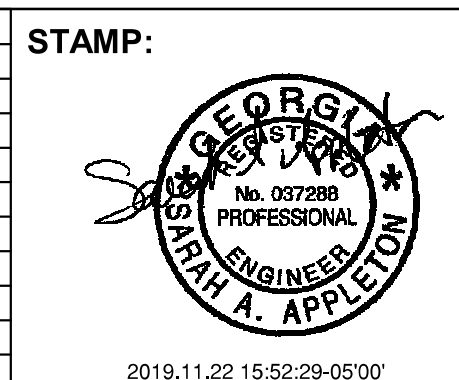
PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	1/8" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
FOUNDATION PLAN

DRAWING NO.
RI-PS
S-111
SHEET OF



No.	Description	Date



ADDRESS:
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6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

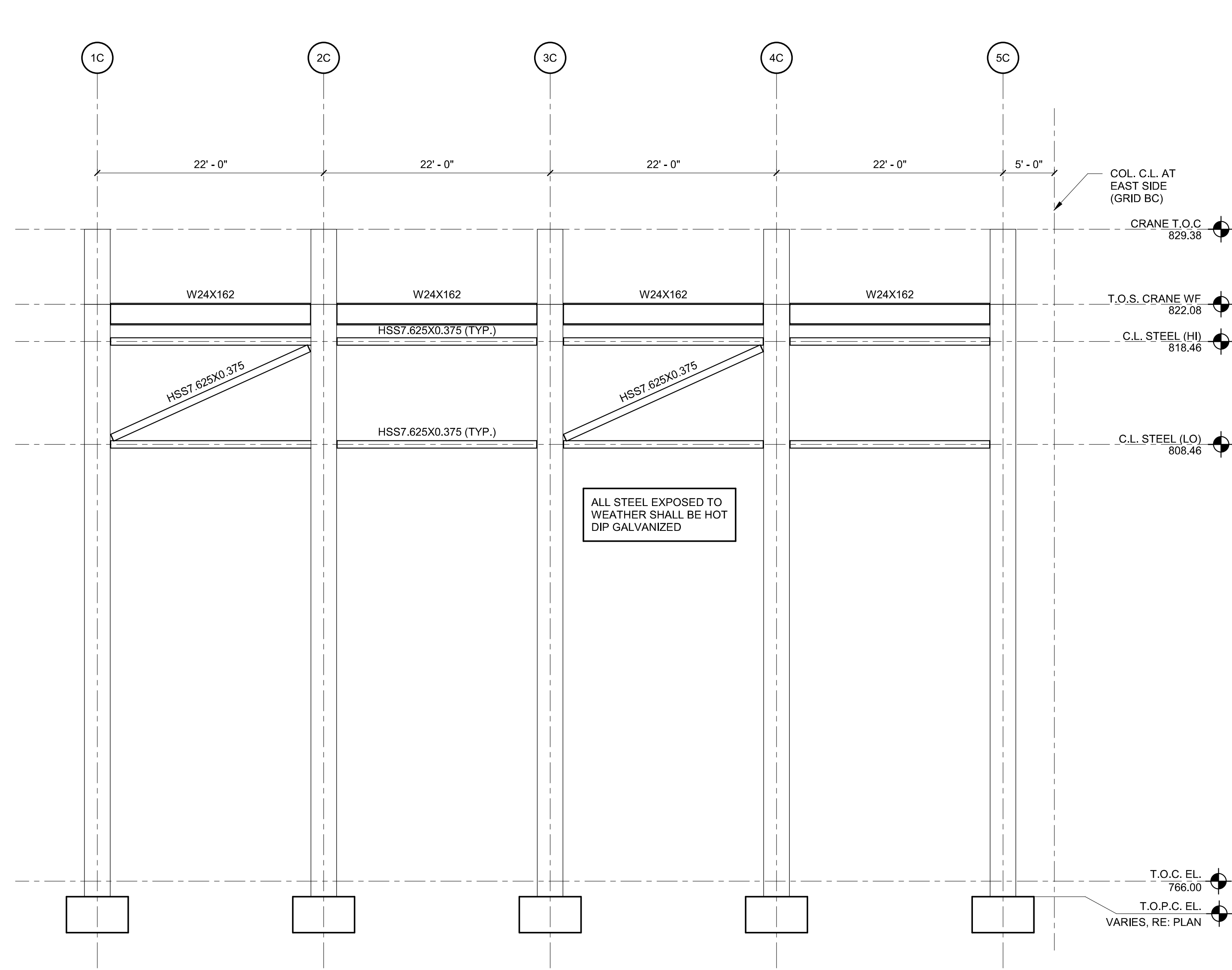
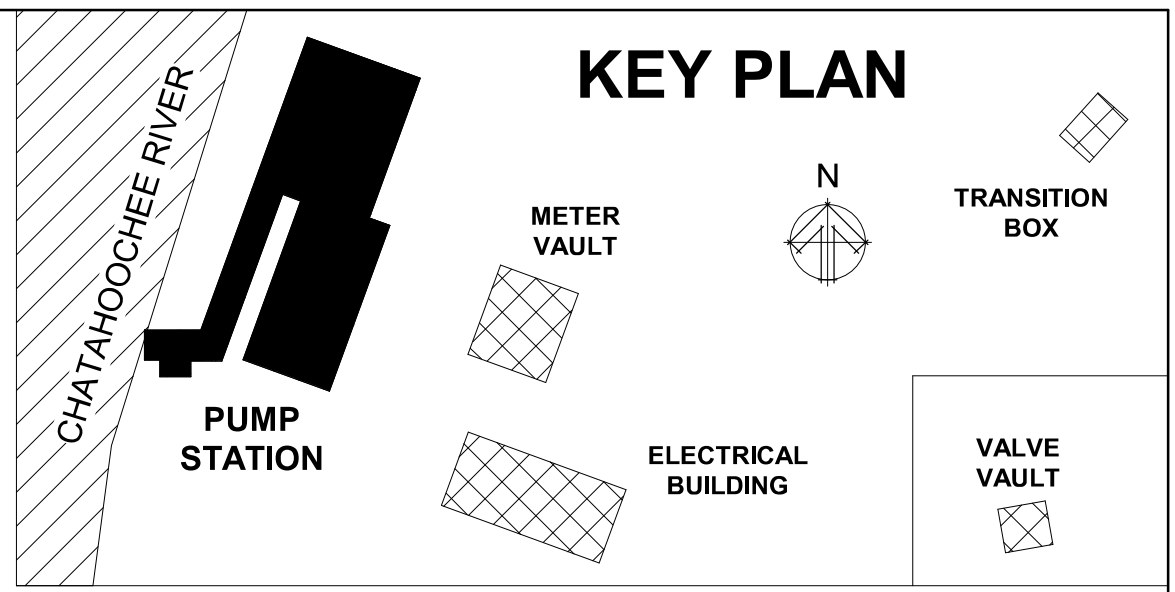
PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
FRAMING PLAN

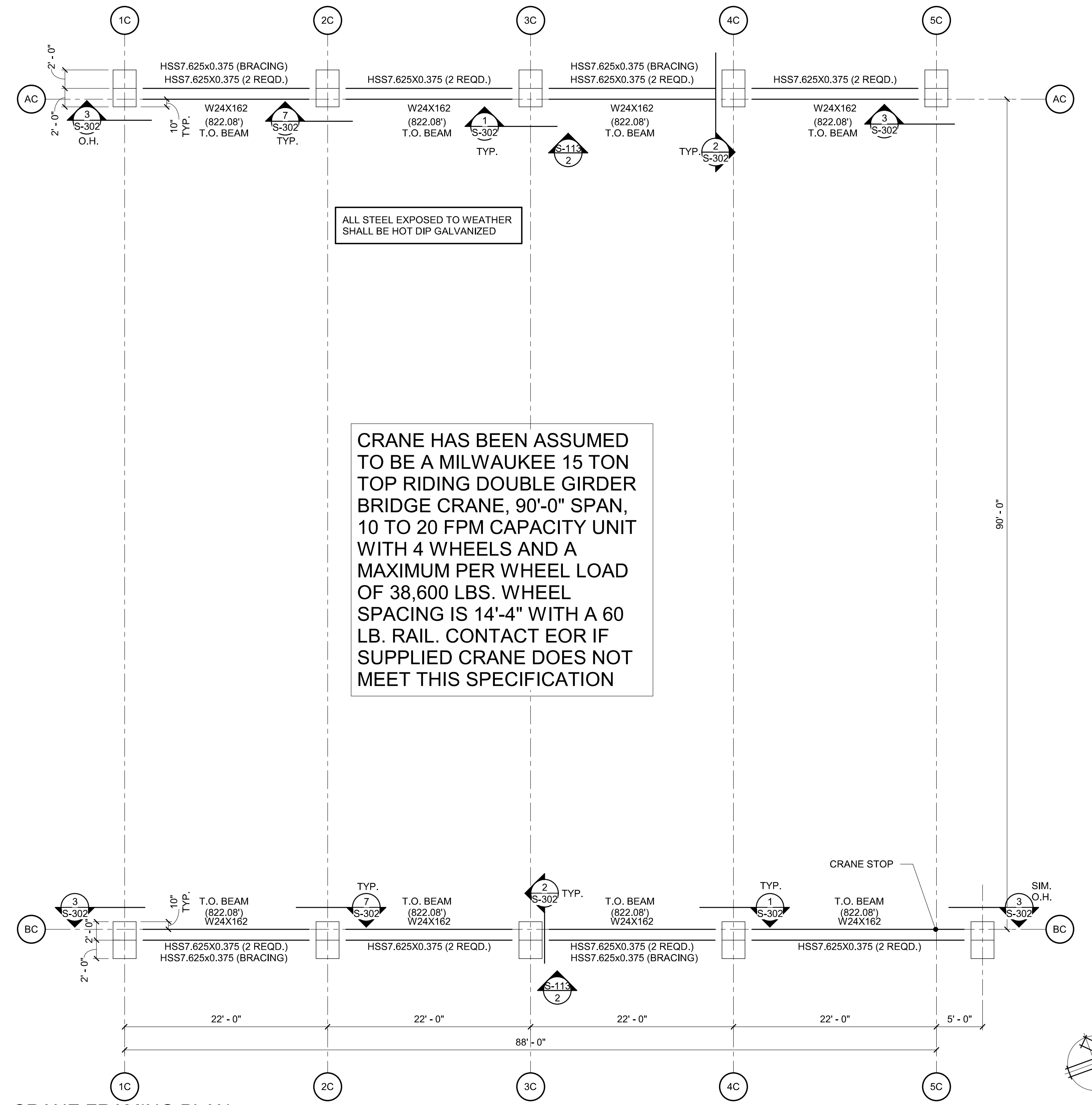
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RI-PS
S-112
SHEET OF

ISSUED FOR BIDDING

11/22/2019 3:30:44 PM

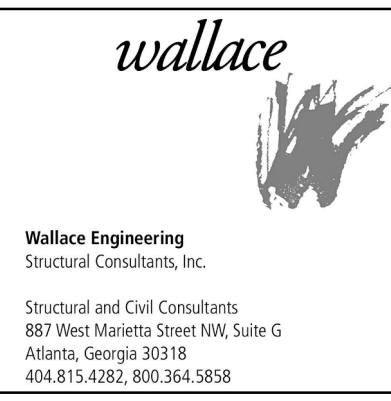


2 BRACED FRAME ELEVATION
1/8" = 1'-0"

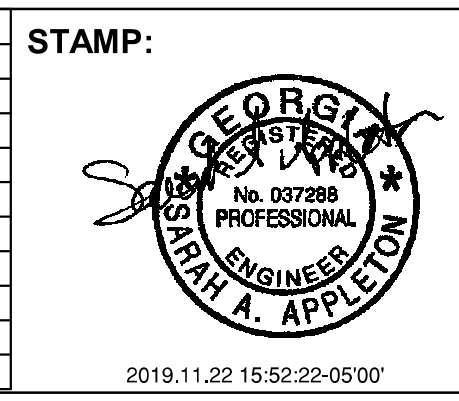


1 CRANE FRAMING PLAN
1/8" = 1'-0"

CRANE HAS BEEN ASSUMED TO BE A MILWAUKEE 15 TON TOP RIDING DOUBLE GIRDER BRIDGE CRANE, 90'-0" SPAN, 10 TO 20 FPM CAPACITY UNIT WITH 4 WHEELS AND A MAXIMUM PER WHEEL LOAD OF 38,600 LBS. WHEEL SPACING IS 14'-4" WITH A 60 LB. RAIL. CONTACT EOR IF SUPPLIED CRANE DOES NOT MEET THIS SPECIFICATION



No.	Description	Date



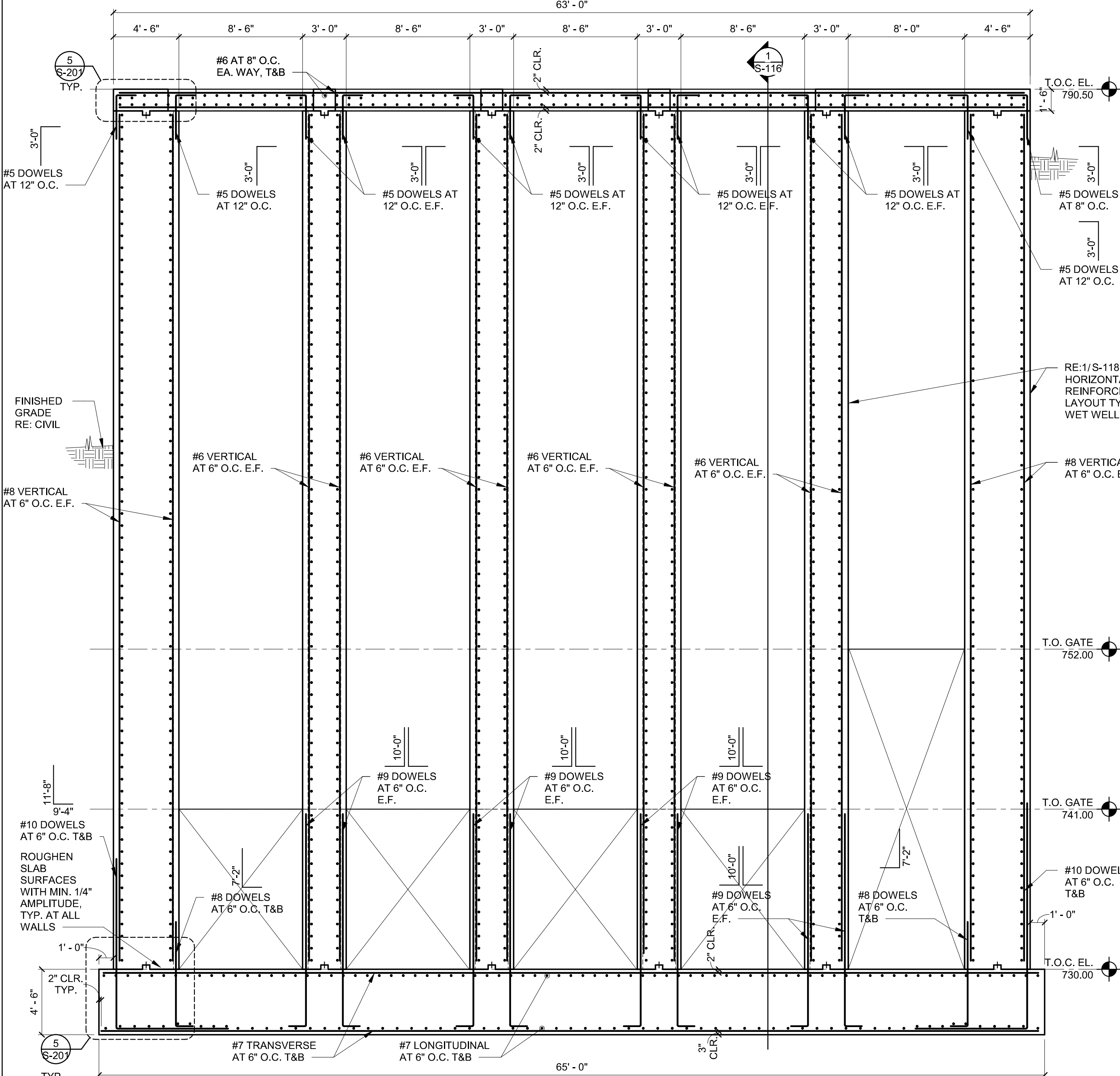
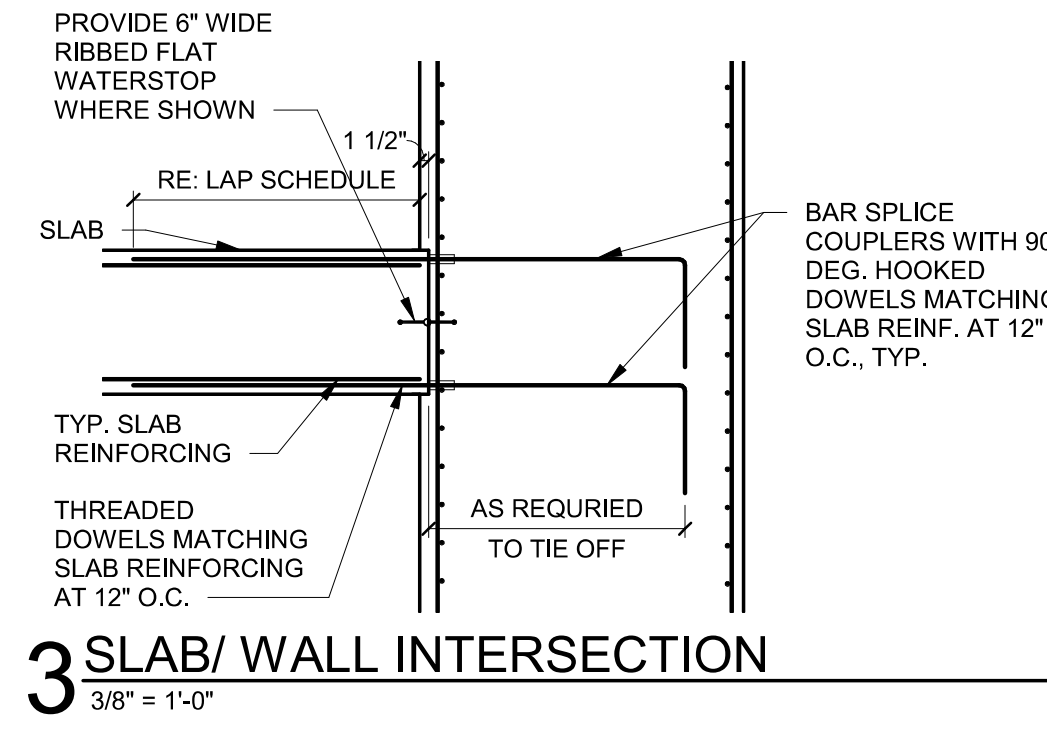
ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	1/8" = 1'-0"

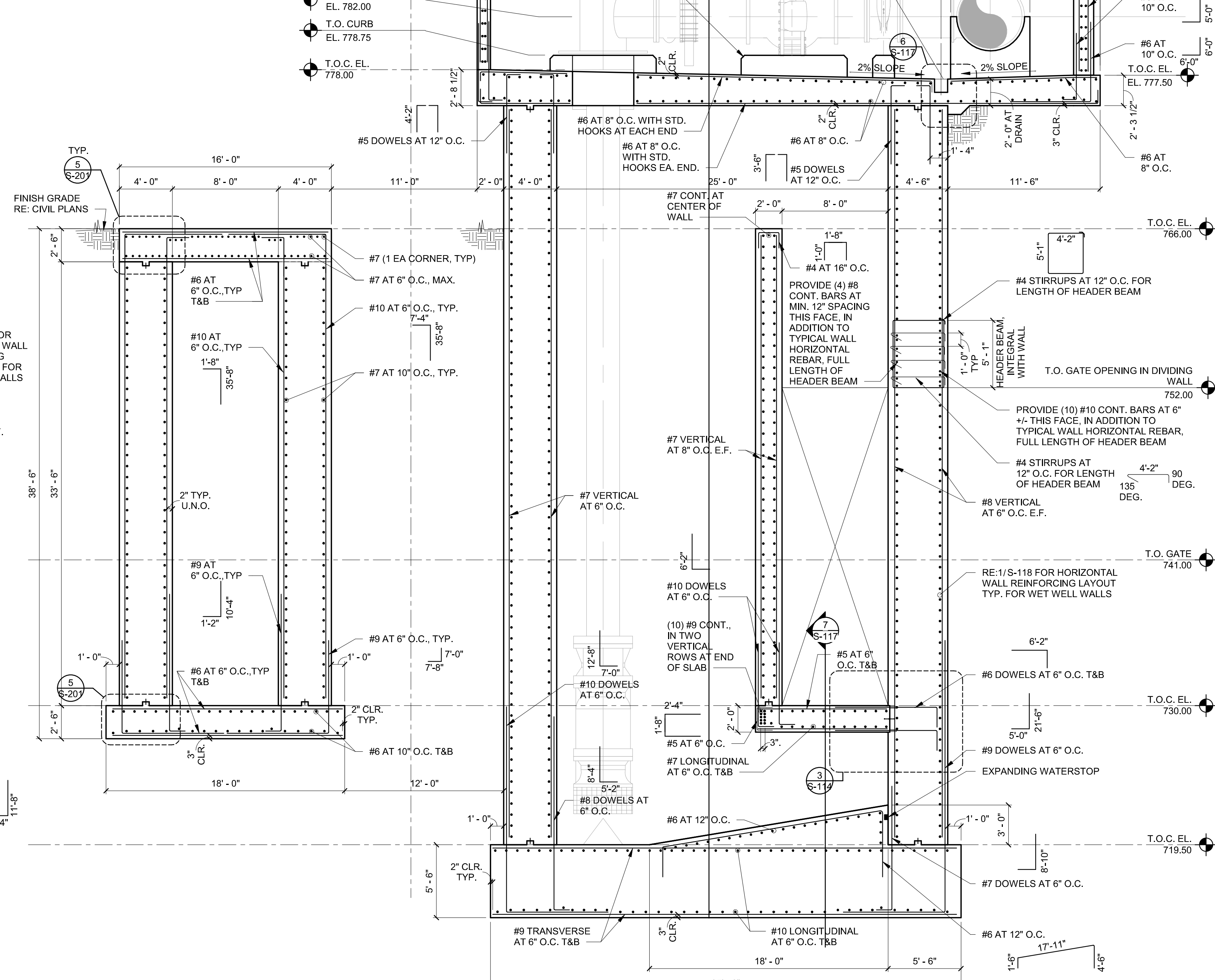
CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
CRANE FRAMING PLAN

DRAWING NO.
RI-PS
S-113
SHEET OF





2 PUMP STATION SECTION
3/16" = 1'-0"



1 PUMP STATION SECTION
3/16" = 1'-0"

wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
887 West Marietta Street NW, Suite G
Atlanta, Georgia 30318
404.815.4282, 800.364.5858



No.	Description	Date

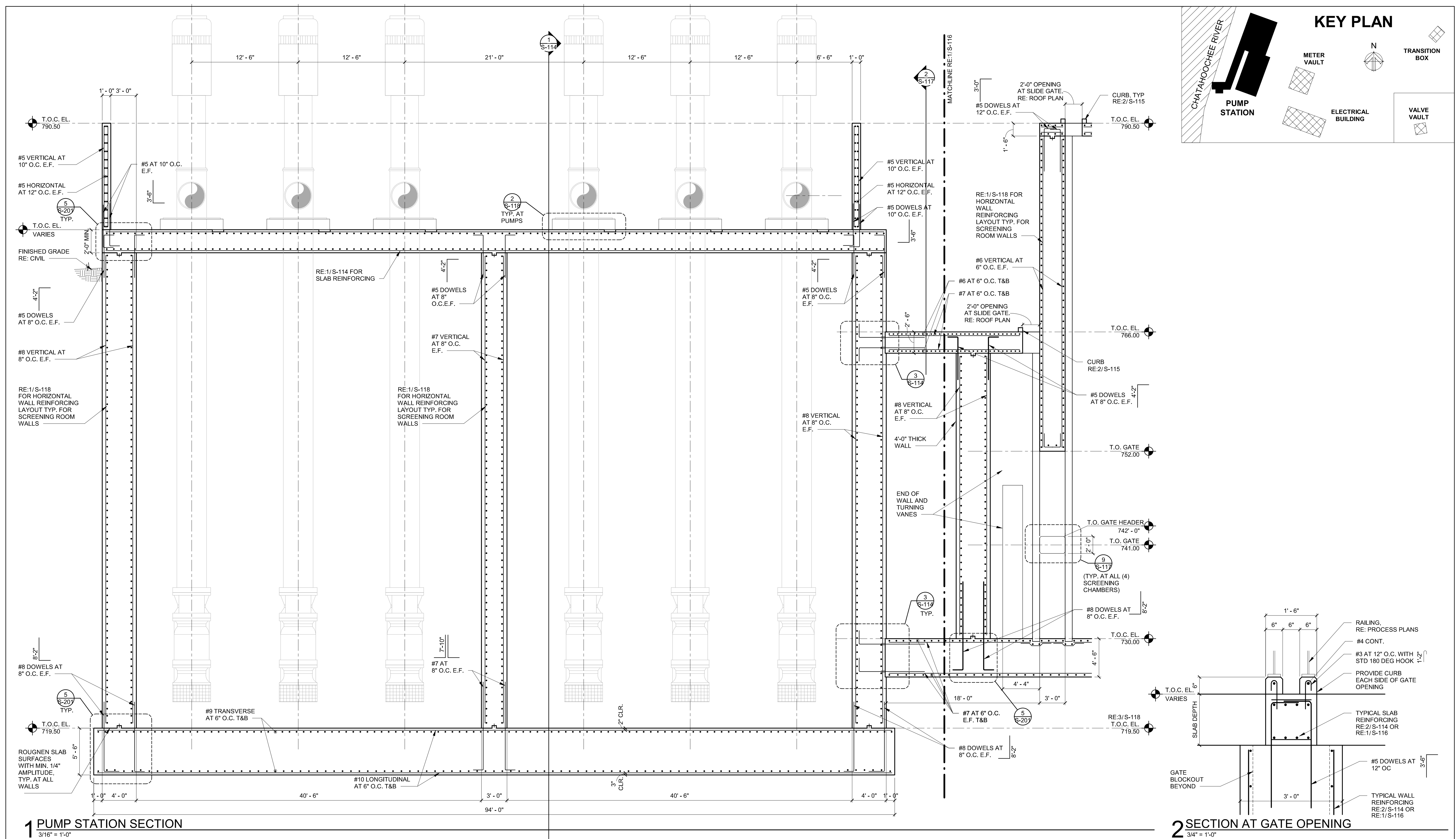
STAMP:
No. 07958
PROFESSIONAL
ENGINEER
STATE OF GEORGIA
W. A. APPLETON

ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
BUILDING SECTIONS

DRAWING NO.
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S-114
SHEET OF



1 PUMP STATION SECTION
3/16" = 1'-0"

2 SECTION AT GATE OPENING
3/4" = 1'-0"



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2019.11.22 15:52:07-0500

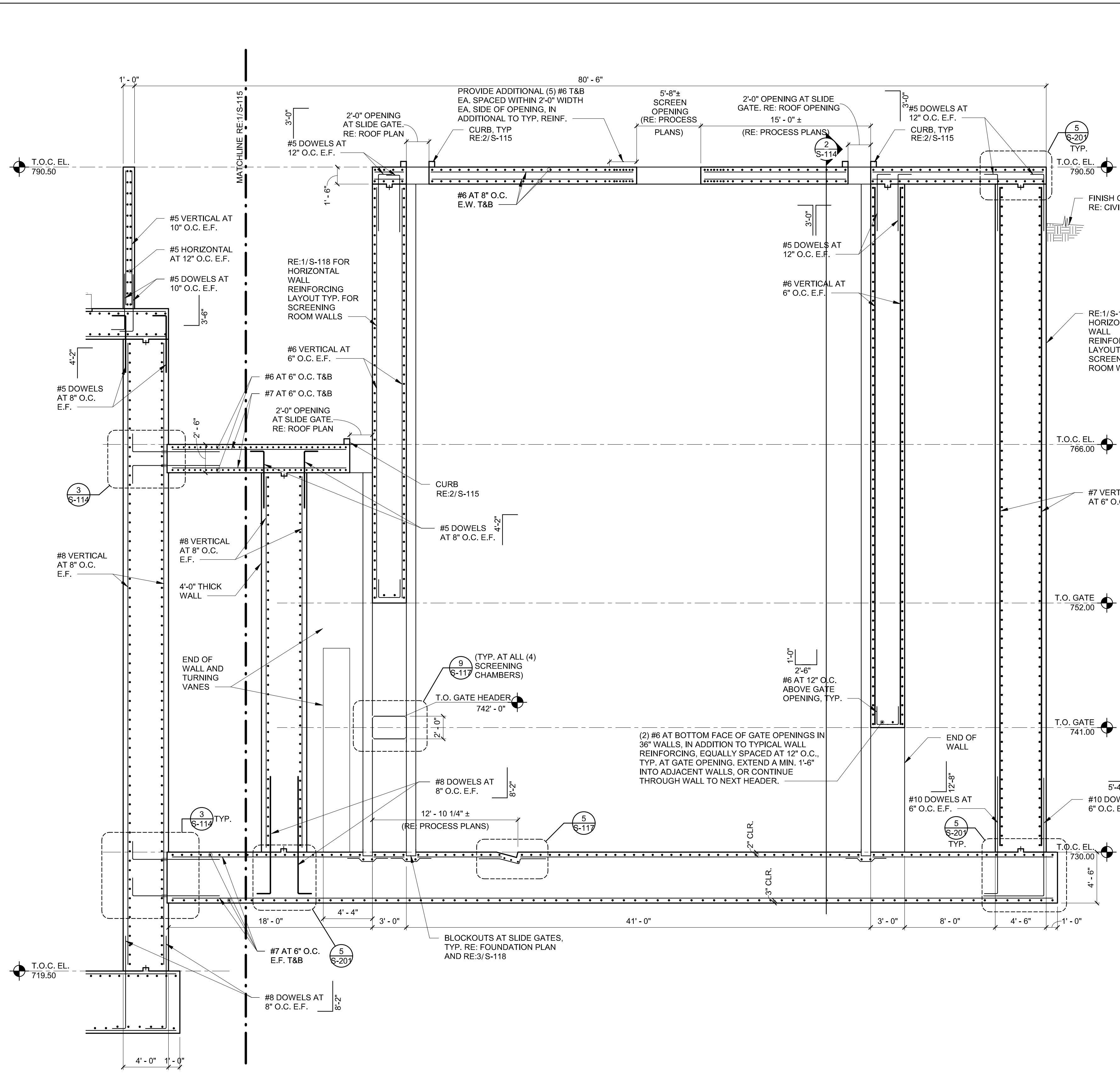
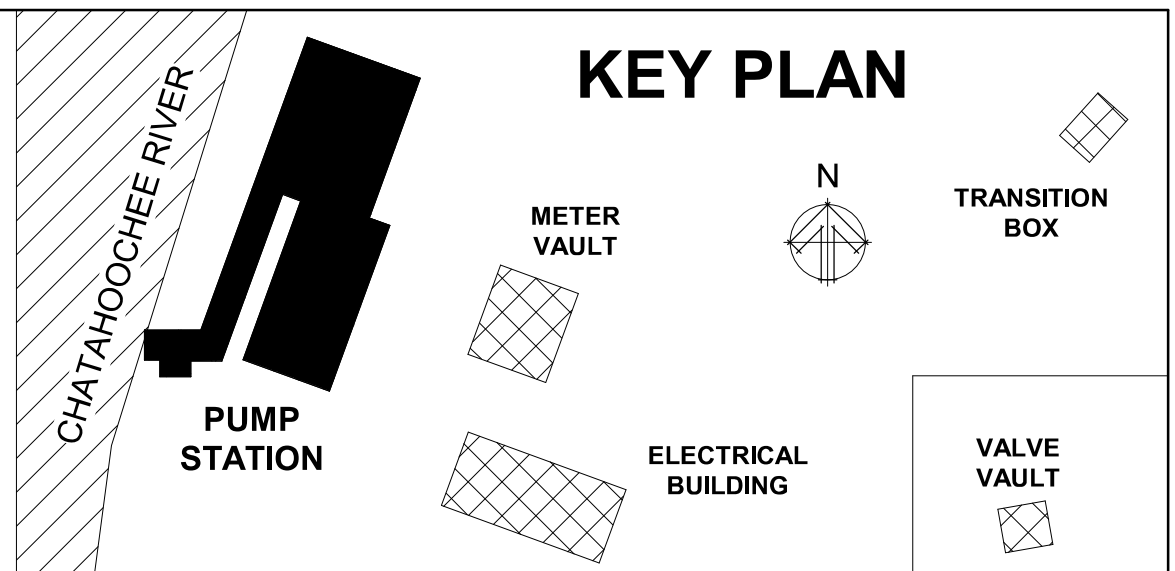
ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

PROJECT NO:	1790066
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SCALE:	As indicated

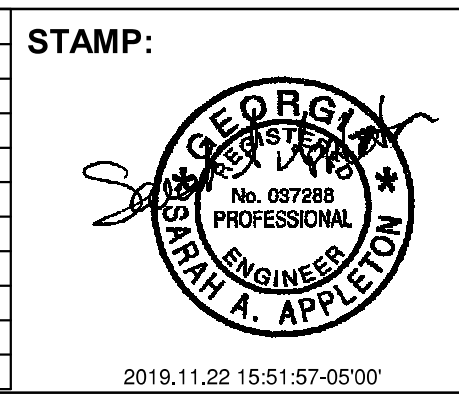
CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
BUILDING SECTIONS

DRAWING NO.
RI-PS
S-115
SHEET OF

KEY PLAN



No.	Description	Date

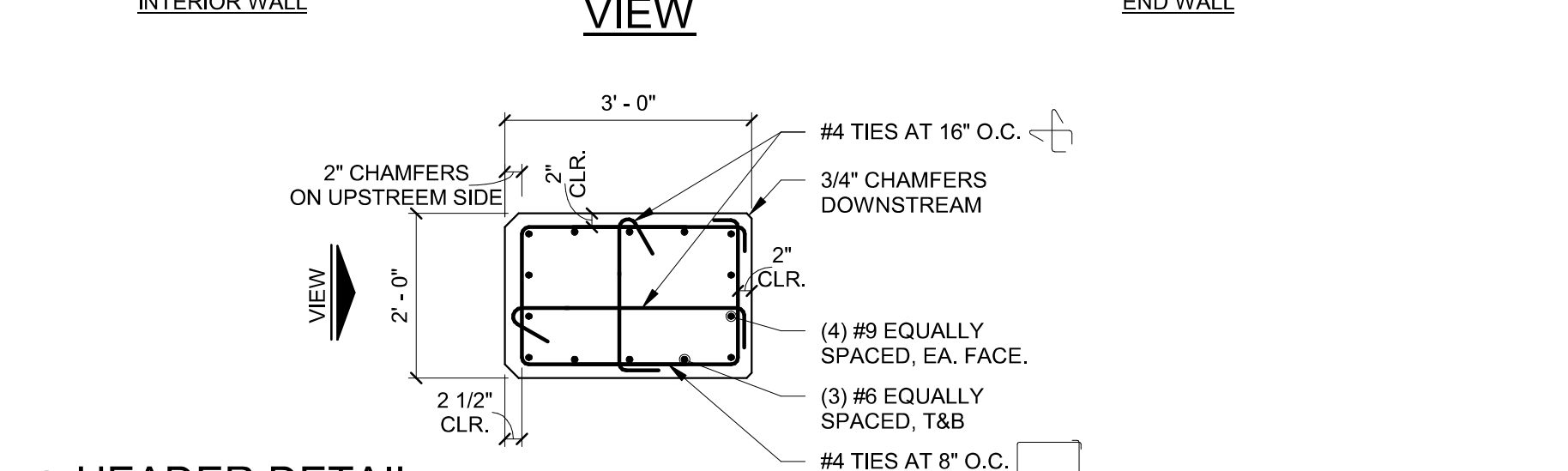
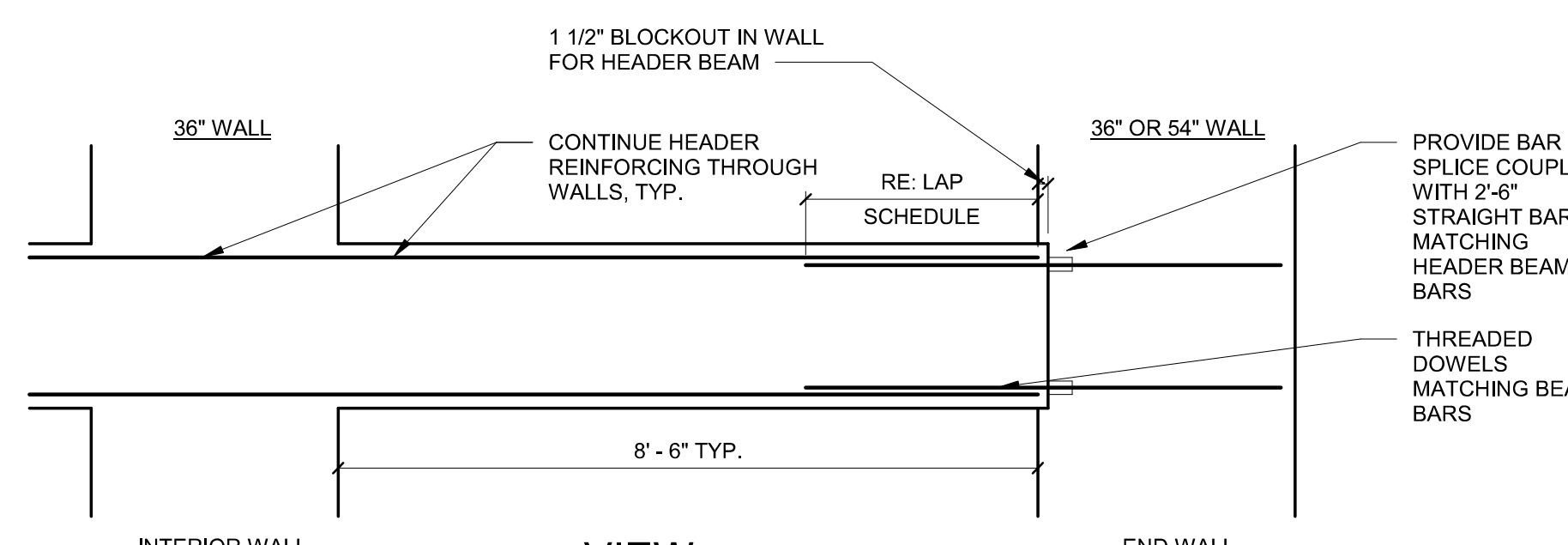


ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

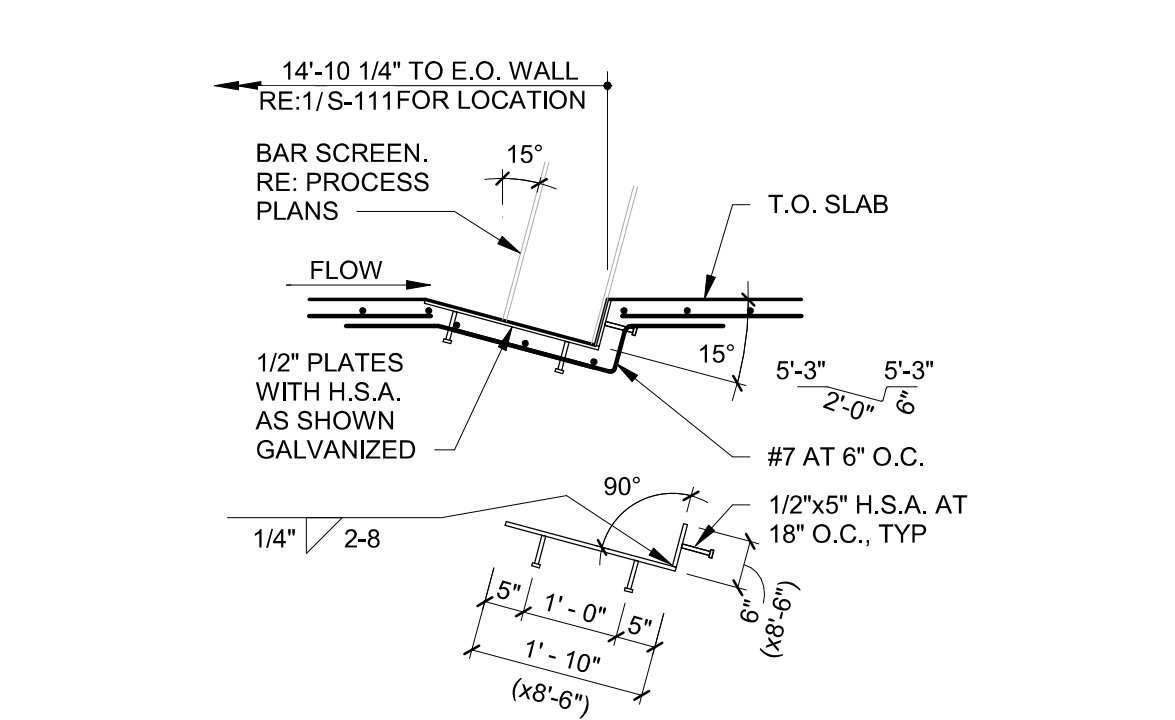
PROJECT NO:	1790066
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CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
BUILDING SECTIONS

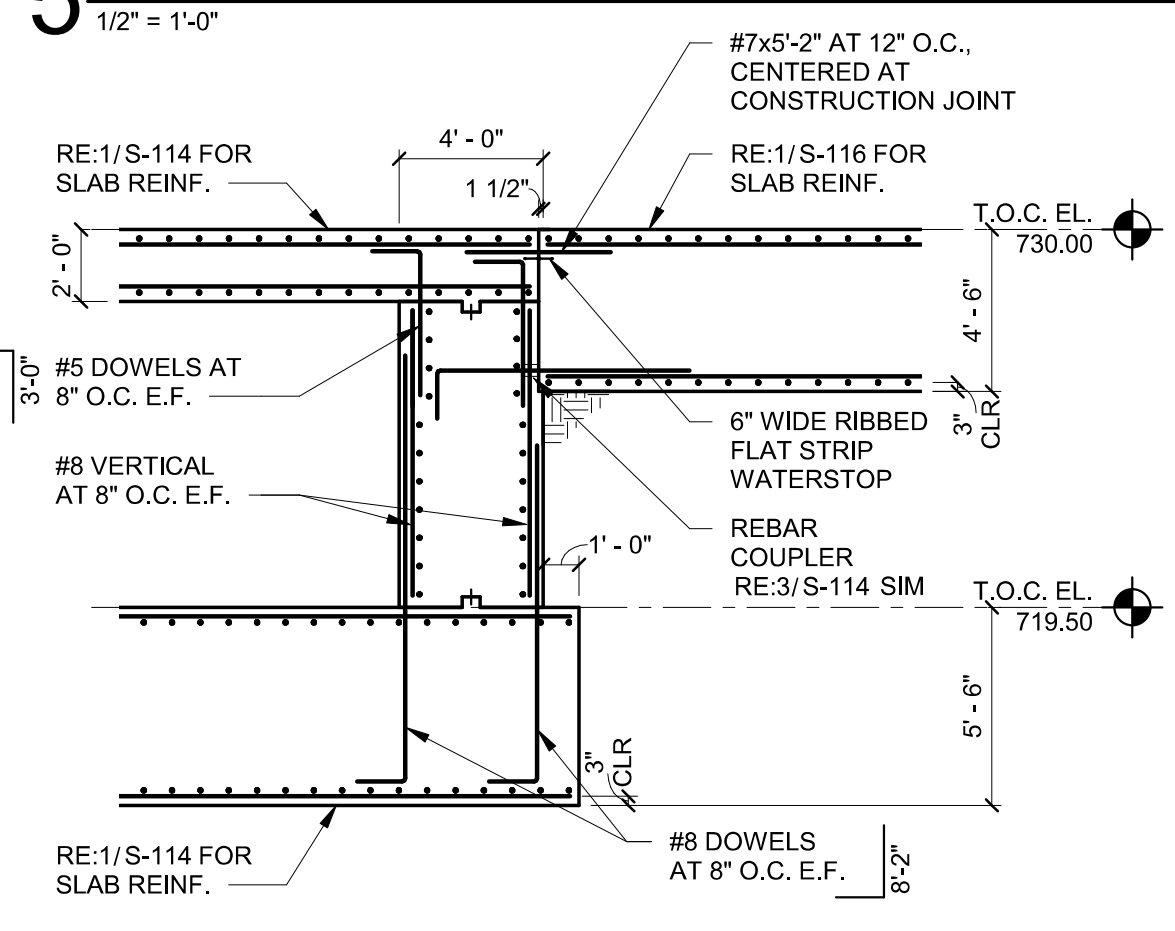
DRAWING NO.	RI-PS
	S-116
SHEET OF	



9 HEADER DETAIL
1/2" = 1'-0"



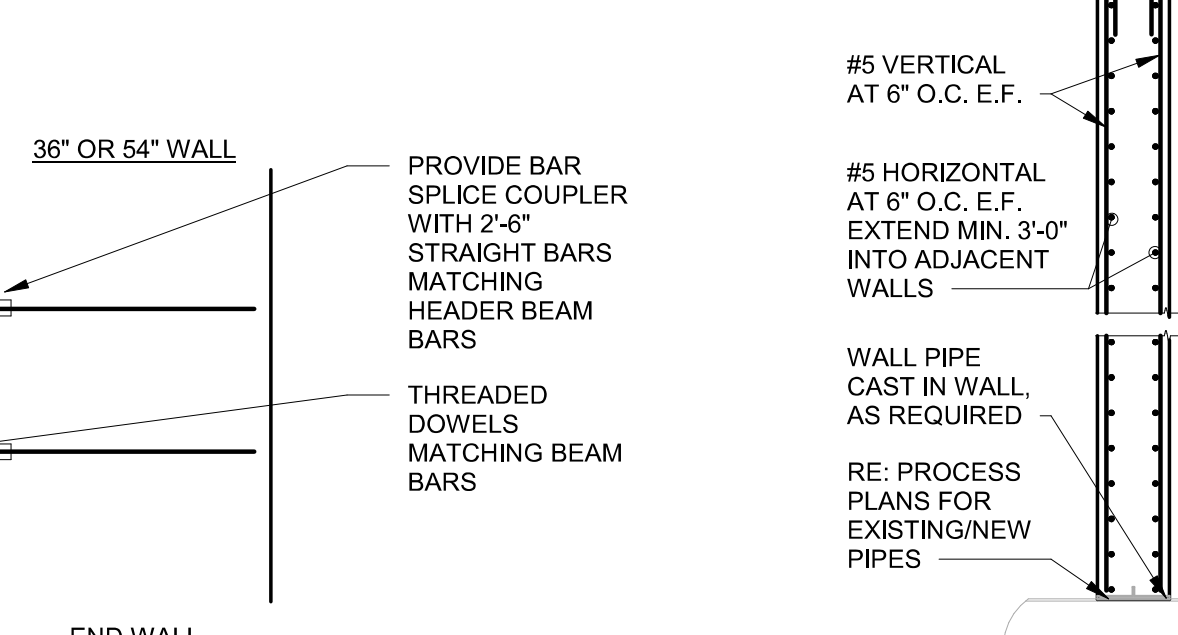
8 PUMP STATION SECTION AT INTAKE PIPE
3/16" = 1'-0"



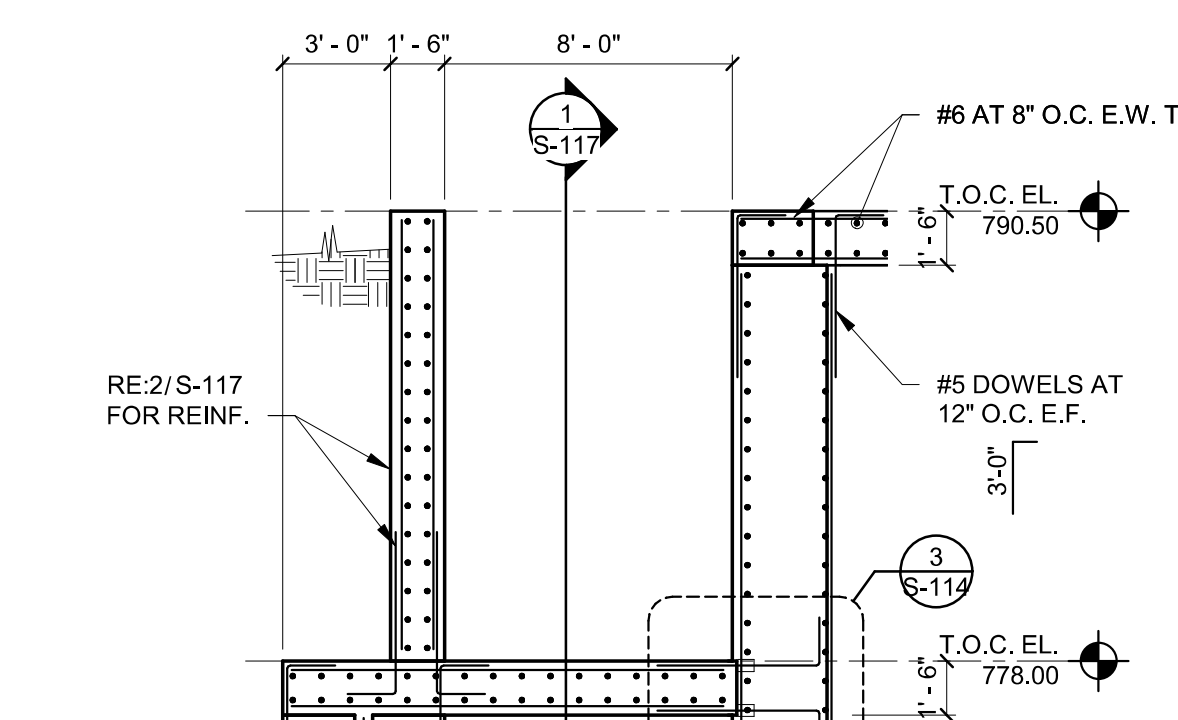
7 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



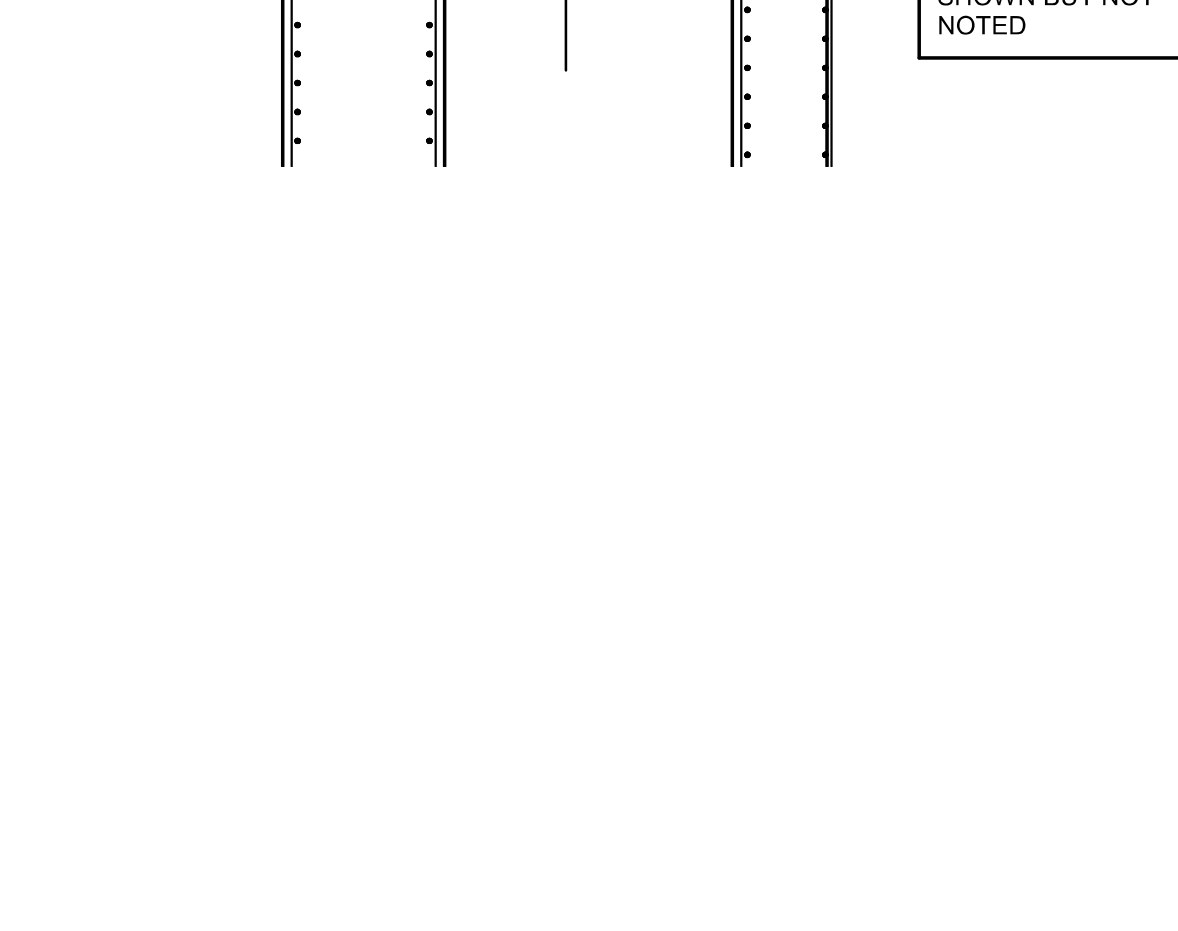
6 PUMP STATION SECTION
1/2" = 1'-0"



5 SCREEN BEARING DETAIL
1/2" = 1'-0"



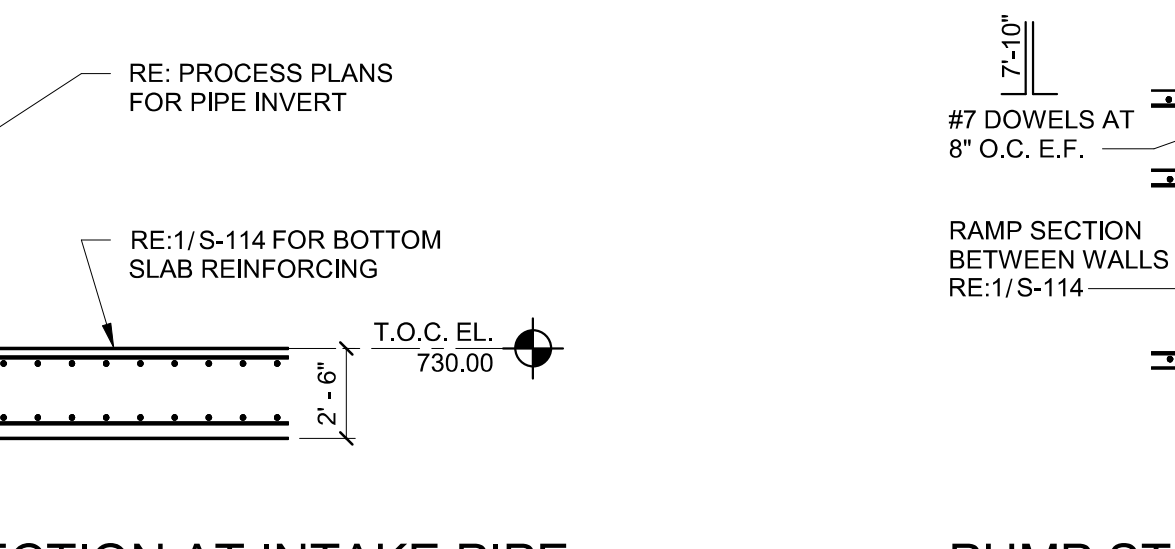
4 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



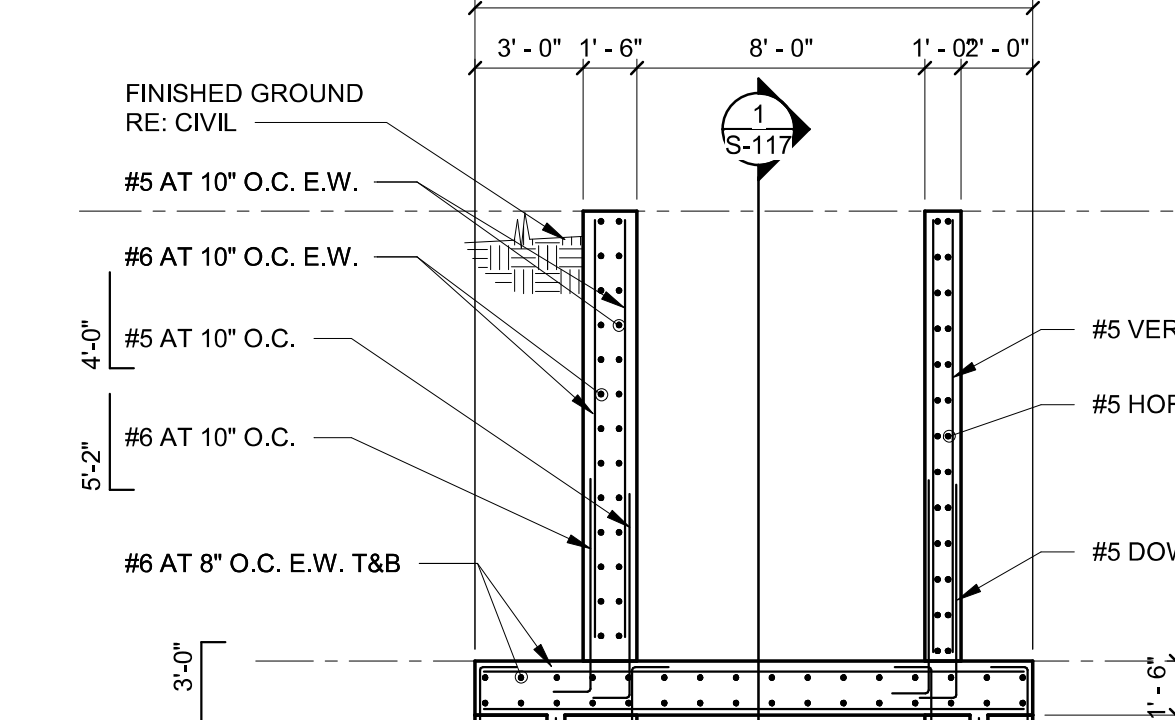
3 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



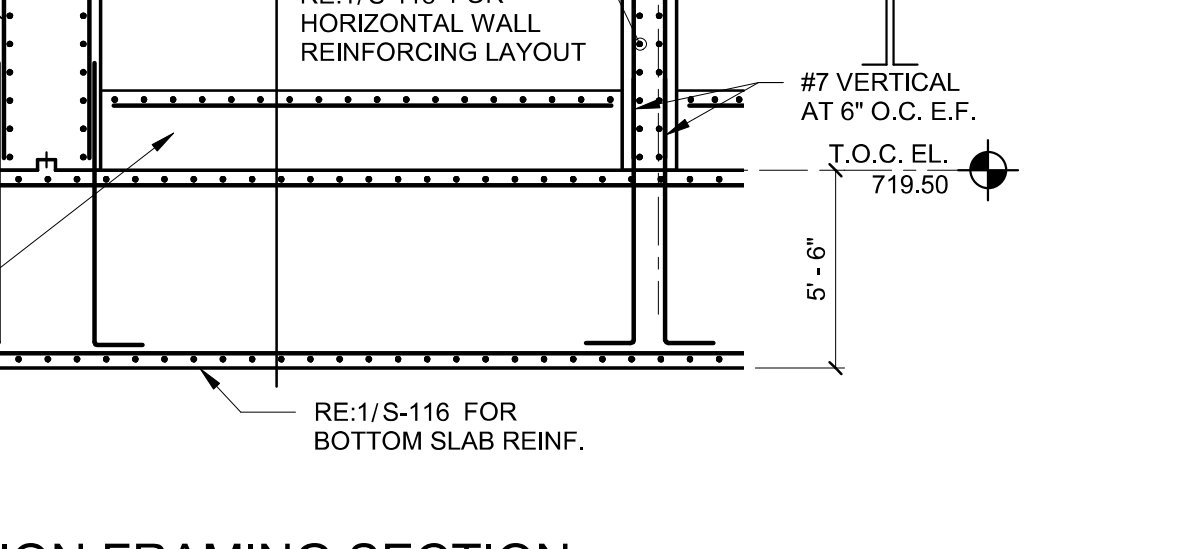
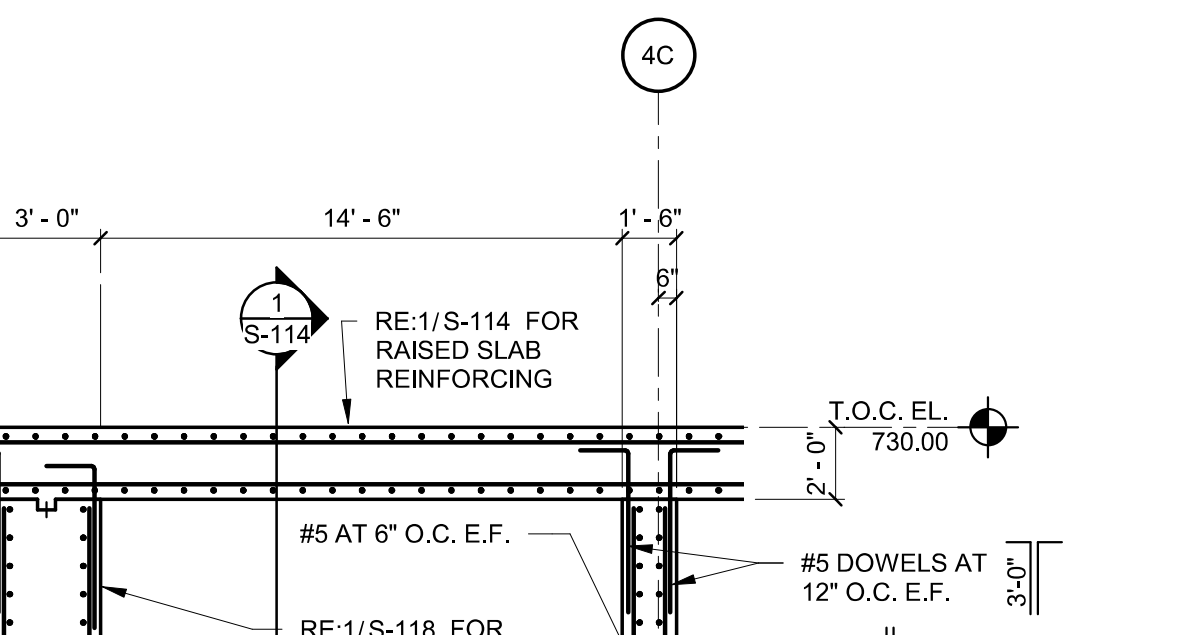
2 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



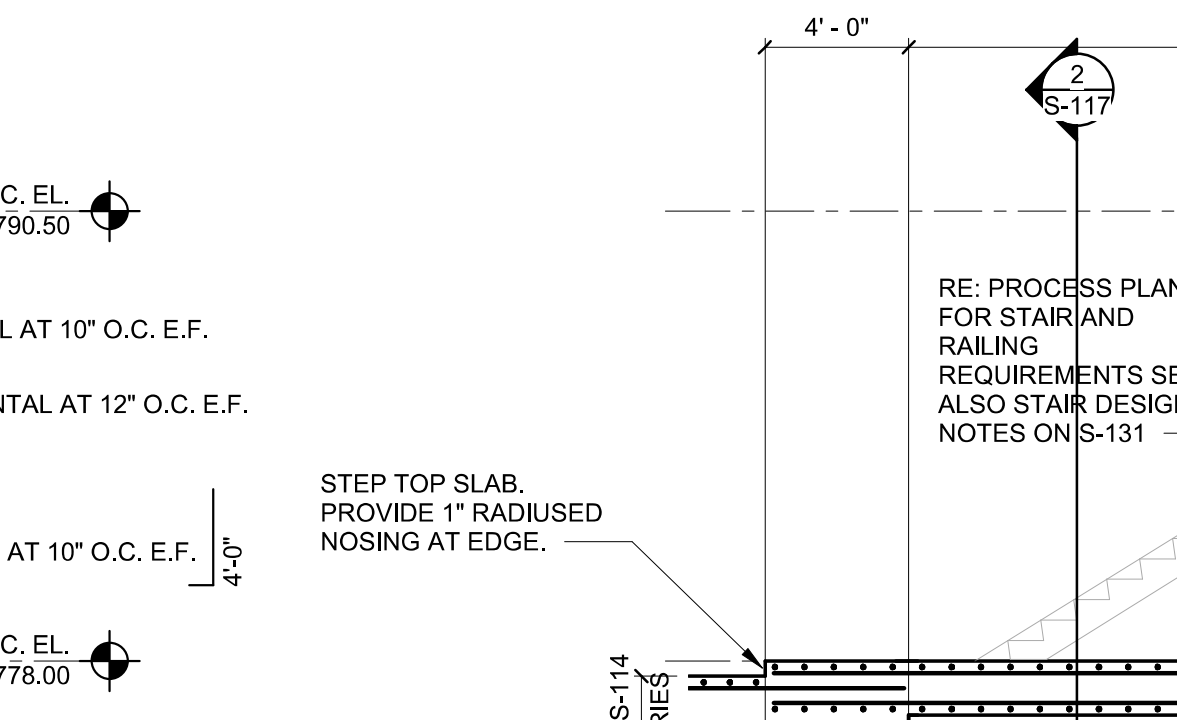
1 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



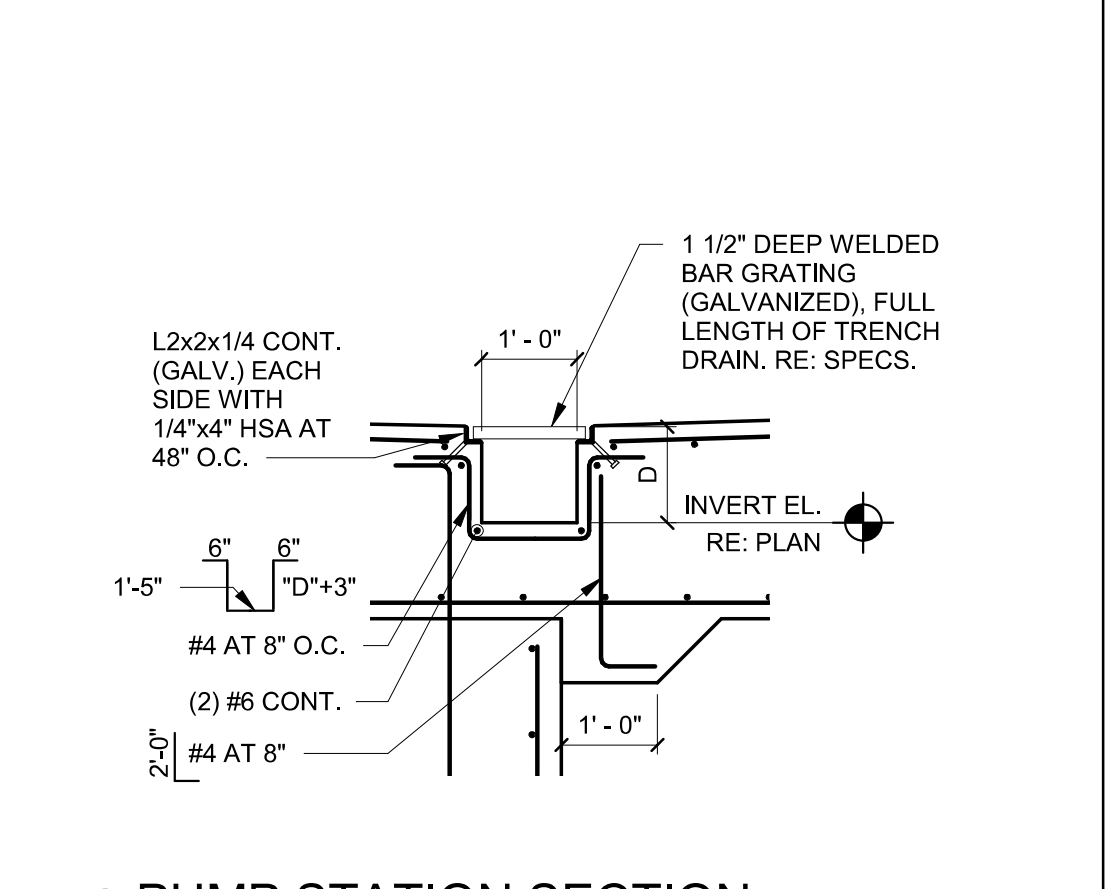
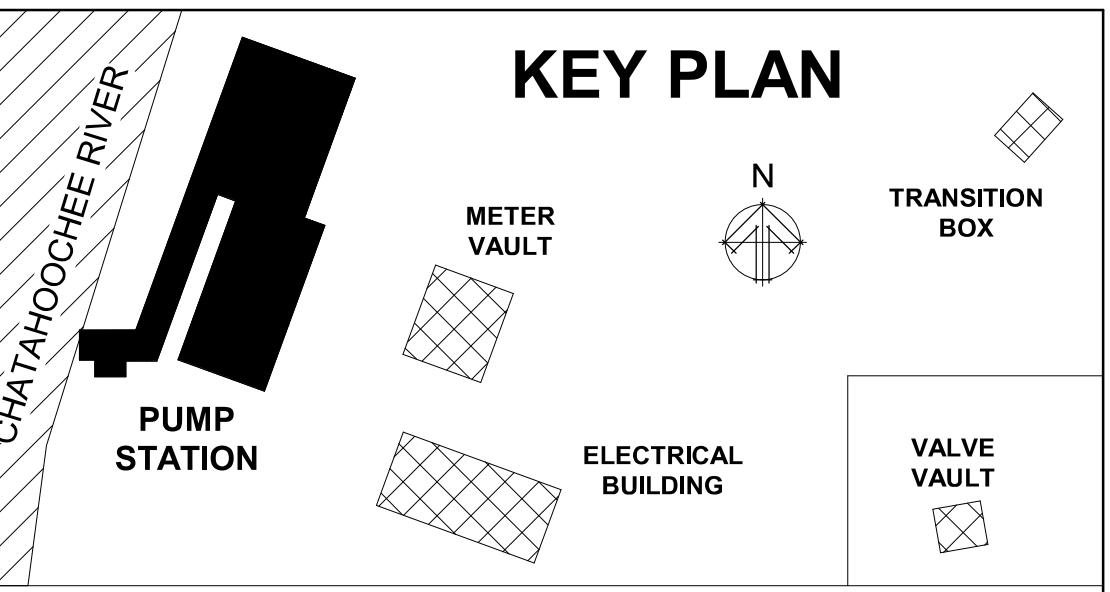
1 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



1 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



1 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



1 PUMP STATION FRAMING SECTION
3/16" = 1'-0"



No.	Description	Date

STAMP:

ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
BUILDING SECTIONS

DRAWING NO.
RI-PS
S-117
SHEET OF

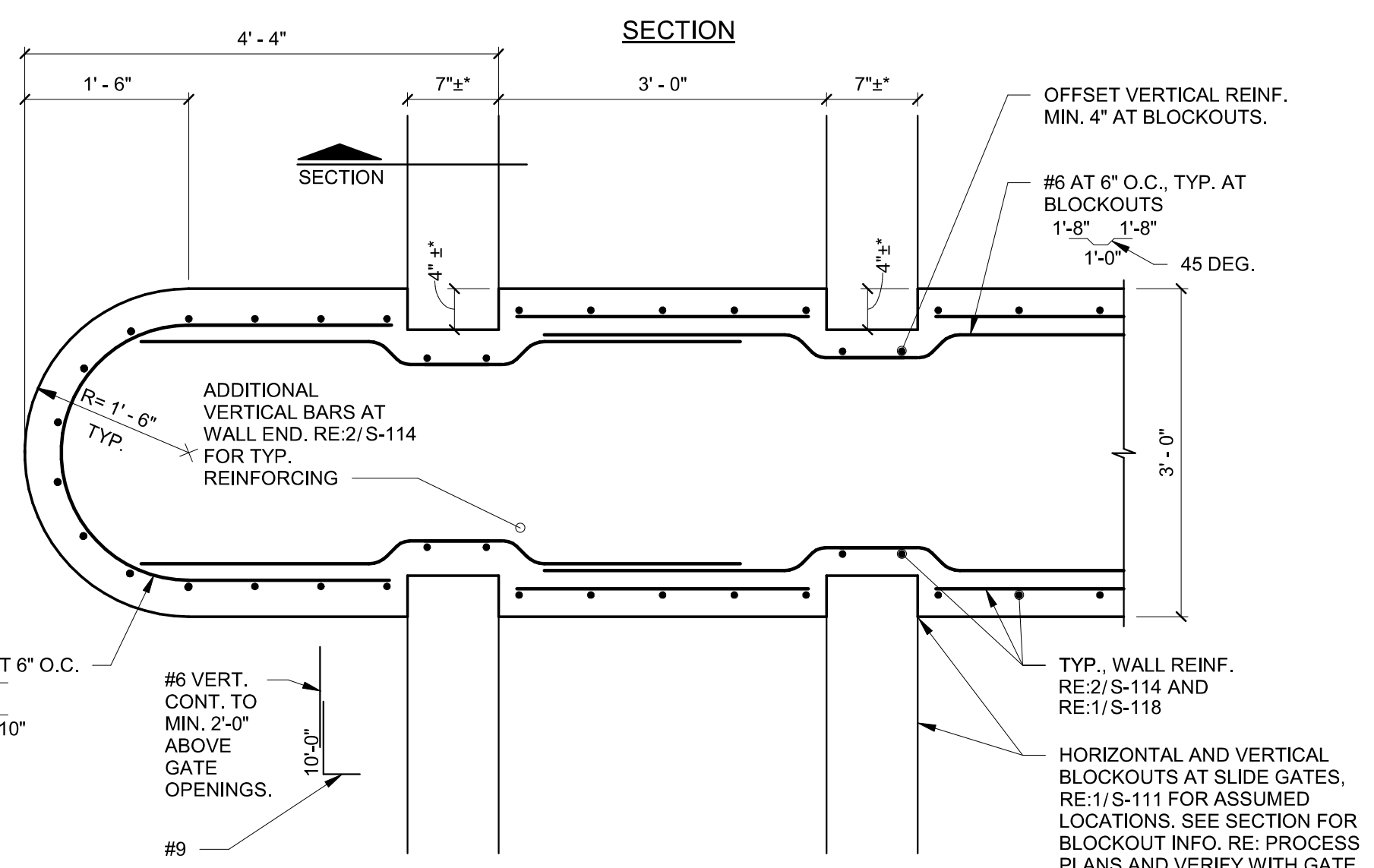
ISSUED FOR BIDDING

11/22/2019 3:30:50 PM

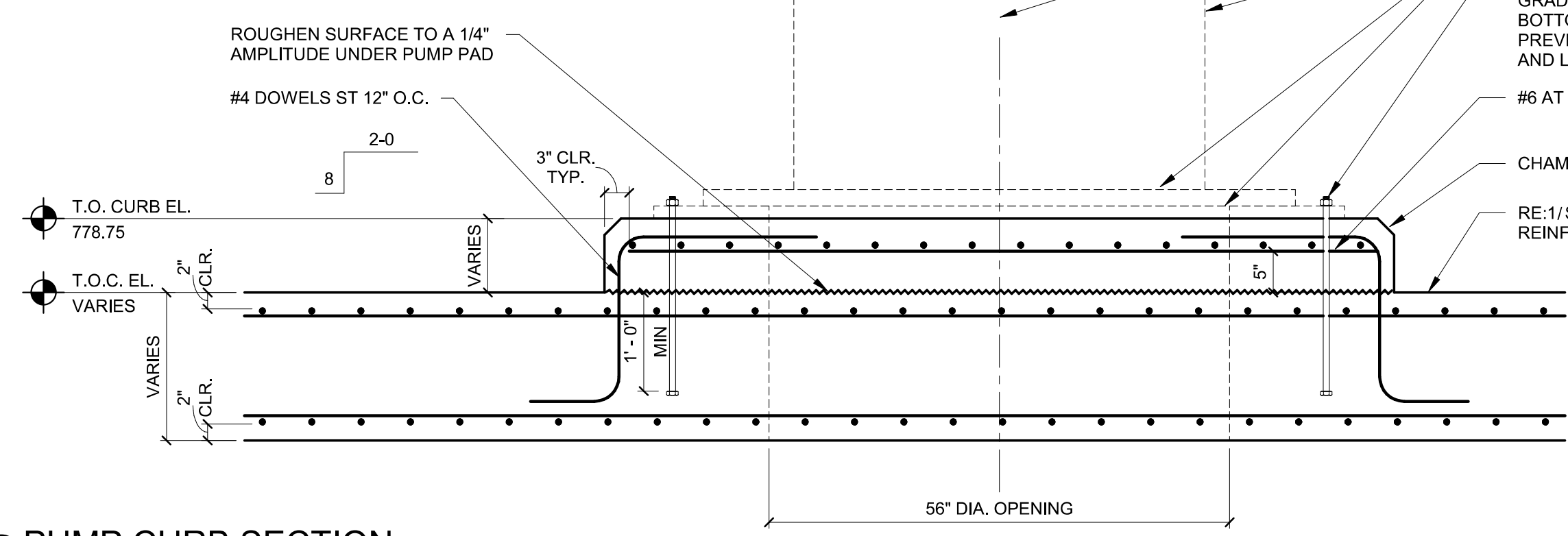
FOLLOWING GATE HARDWARE INSTALLATION, FILL BLOCKOUT WITH HIGH-STRENGTH, LOW SHRINK GROUT (MIN. $f_c = 5,000$ PSI).
BLOCKOUT SURFACE TO BE ROUGHENED TO 1/8" AMPLITUDE PRIOR TO GROUT PLACEMENT TYP. SLAB REINF. RE:2/S-114

ANCHOR RODS AND GATE HARDWARE BY GATE SUPPLIER. ANCHOR RODS SHALL BE INSTALLED USING EPOXY ADHESIVE RATED FOR UNDERWATER INSTALLATION, INCLUDING DEWALT PURE 110 + HILTI HIT-RE 500, OR SIMILAR.

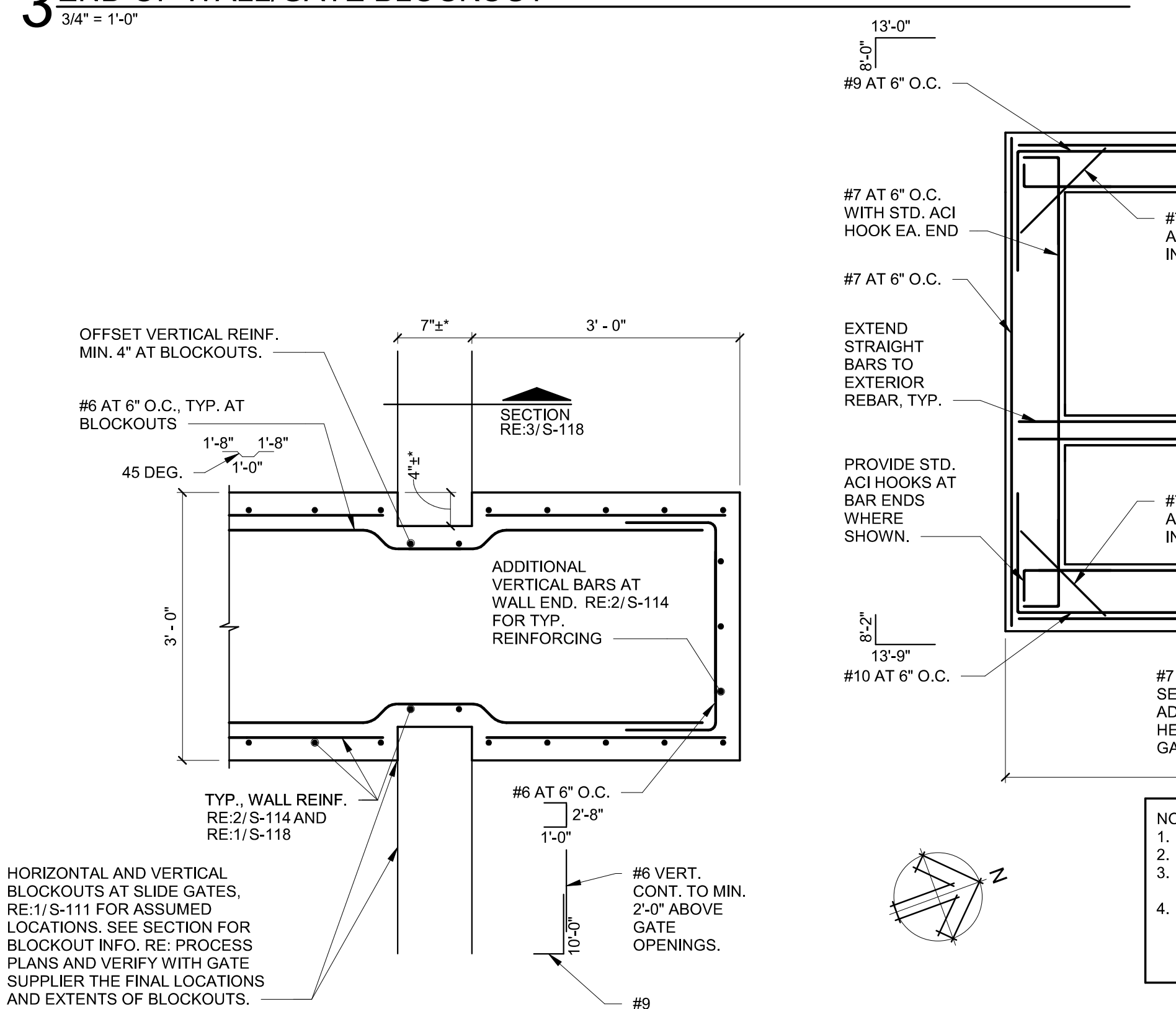
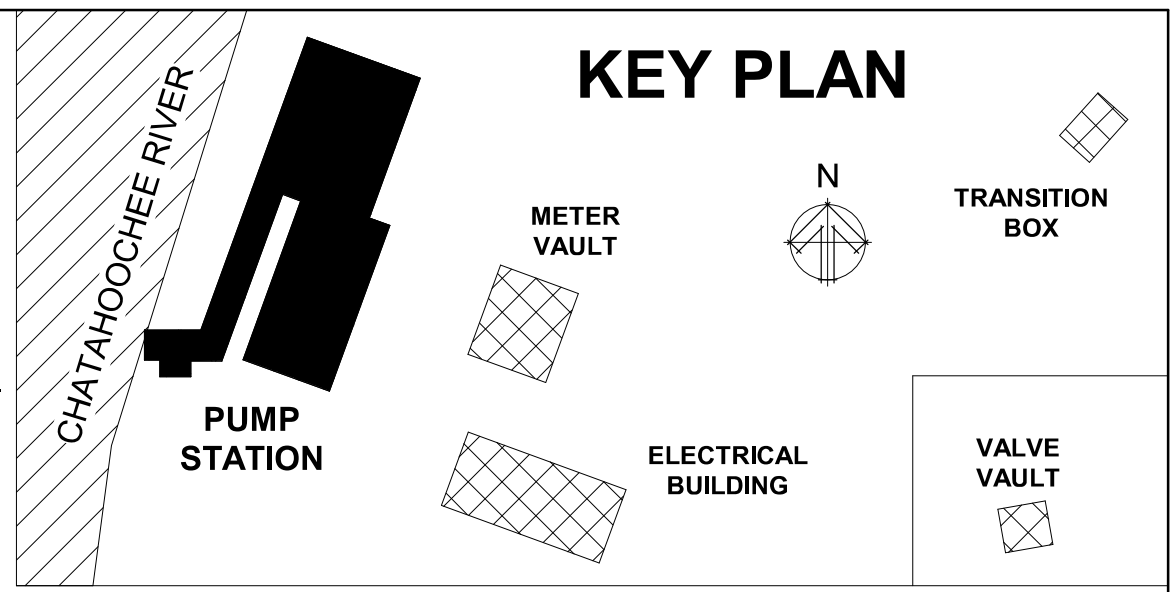
*VERIFY BLOCKOUT DIMENSIONS WITH GATE SUPPLIER



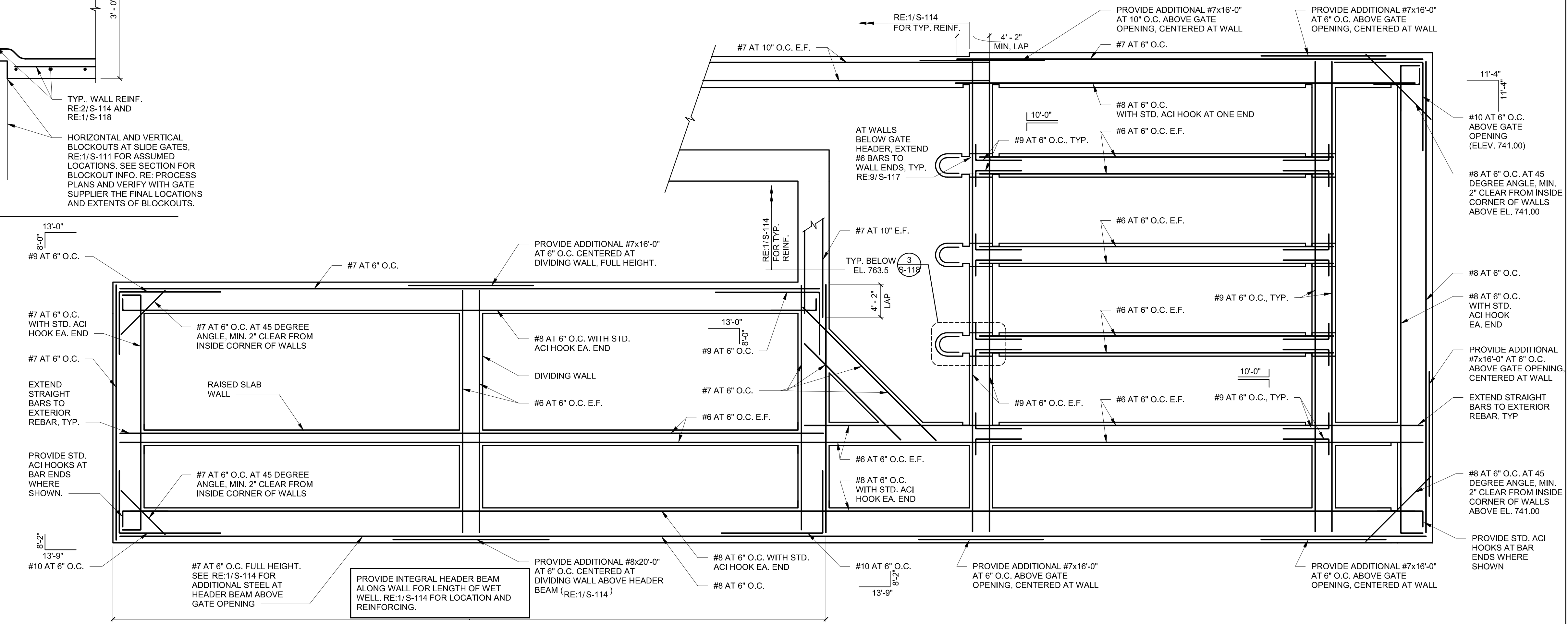
3 END OF WALL/GATE BLOCKOUT
3/4" = 1'-0"



2 PUMP CURB SECTION
3/4" = 1'-0"

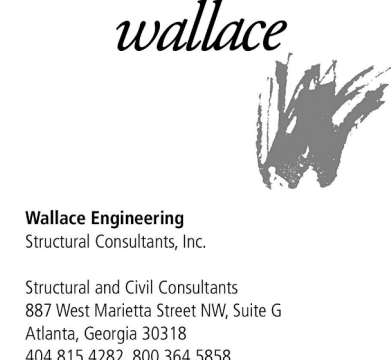


4 END OF WALL
3/4" = 1'-0"



1 PUMP STATION TYPICAL HORIZONTAL WALL REINFORCING LAYOUT
1/8" = 1'-0"

- NOTES:
- SEE PLAN SHEETS FOR WALL DIMENSIONS AND LENGTHS.
 - SEE PLAN SECTIONS FOR TYPICAL VERTICAL REINFORCING AND BAR ALIGNMENTS.
 - DOWELS MAY BE ADDED AT ENDS OF BARS REQUIRING ACI STD HOOKS, LAP LENGTHS AT DOWELS MAY BE MEASURED STARTING 2" FROM THE INTERIOR WALL FACES.
 - TYPICAL LAP SPLICES SHALL BE LOCATED APPROXIMATELY AT 1/3 POINTS OF WALL SPANS ALONG INTERIOR WALL FACES OF EXTERIOR WALLS, AND APPROXIMATELY AT MID-SPAN OF EXTERIOR WALL FACES OF EXTERIOR WALLS, WHERE REQUIRED. PROVIDE LAP SPLICES APPROXIMATELY AT 1/3 POINTS OF INTERIOR WALL SPANS. STAGGER LAPS IN ADJACENT BARS BY A MIN. OF 2'-0"



No.	Description	Date

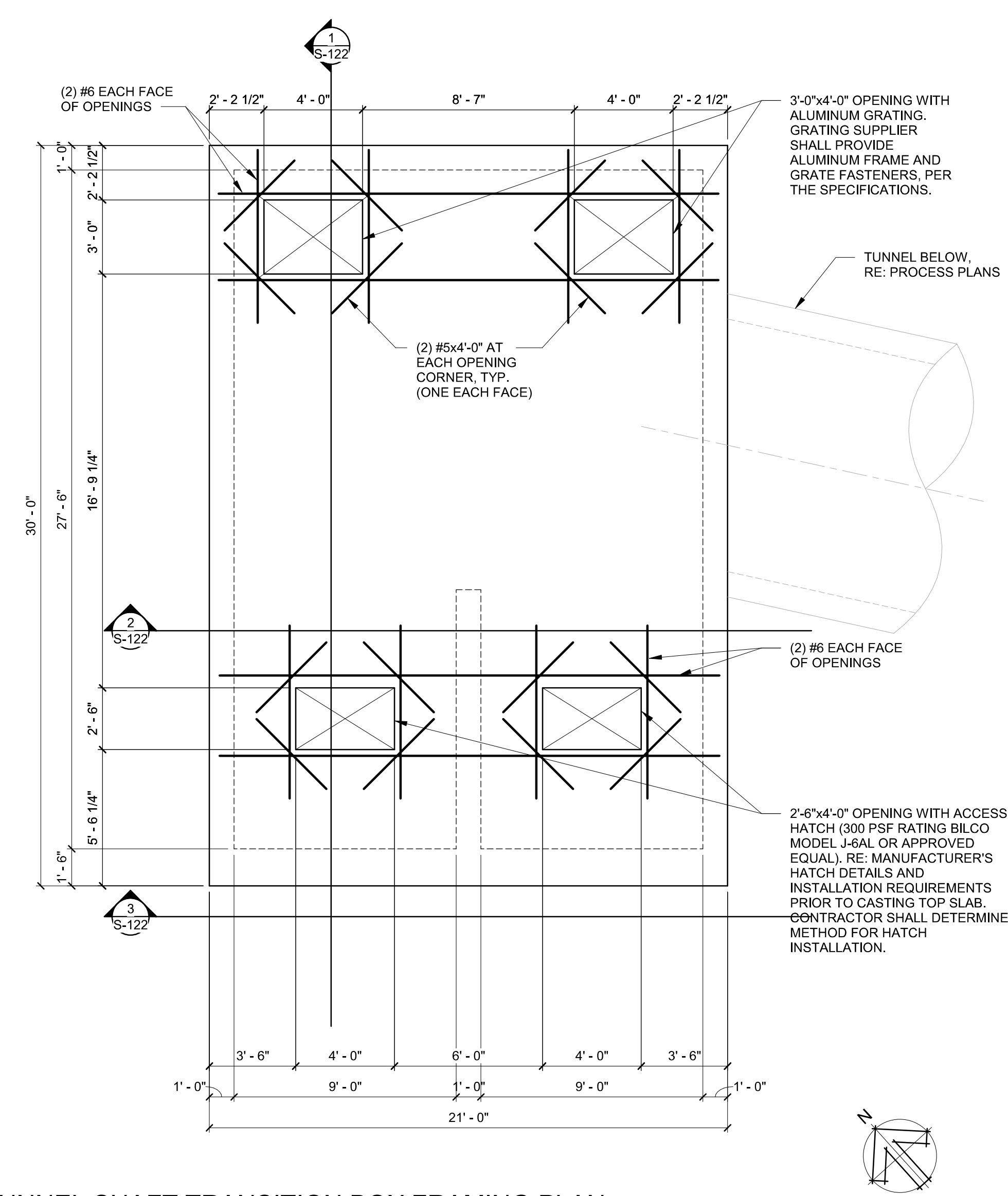
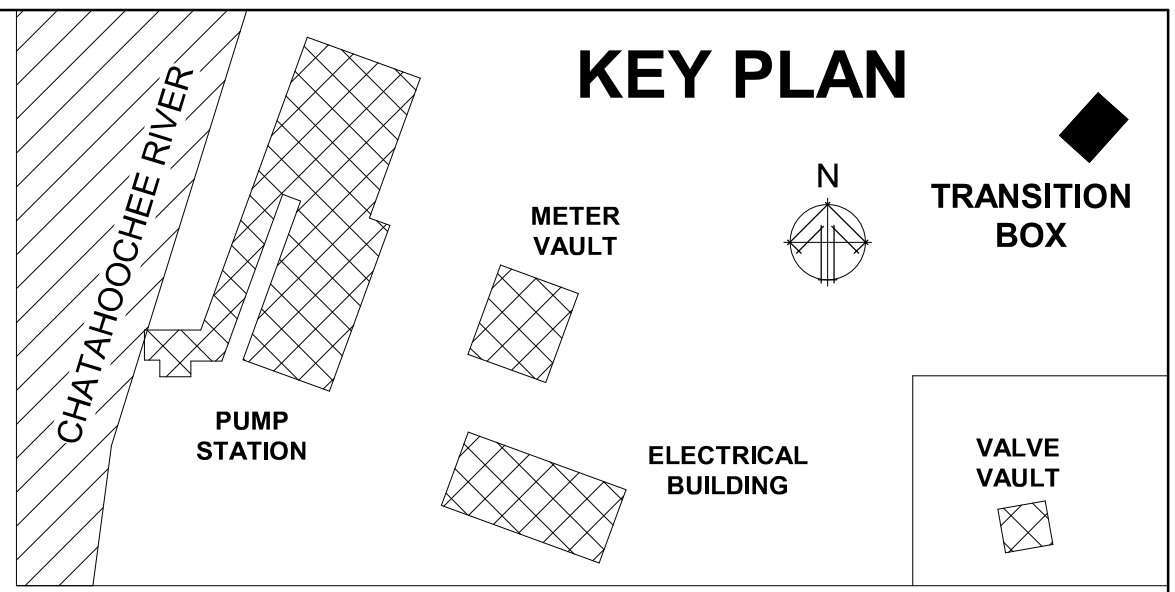
STAMP:

ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

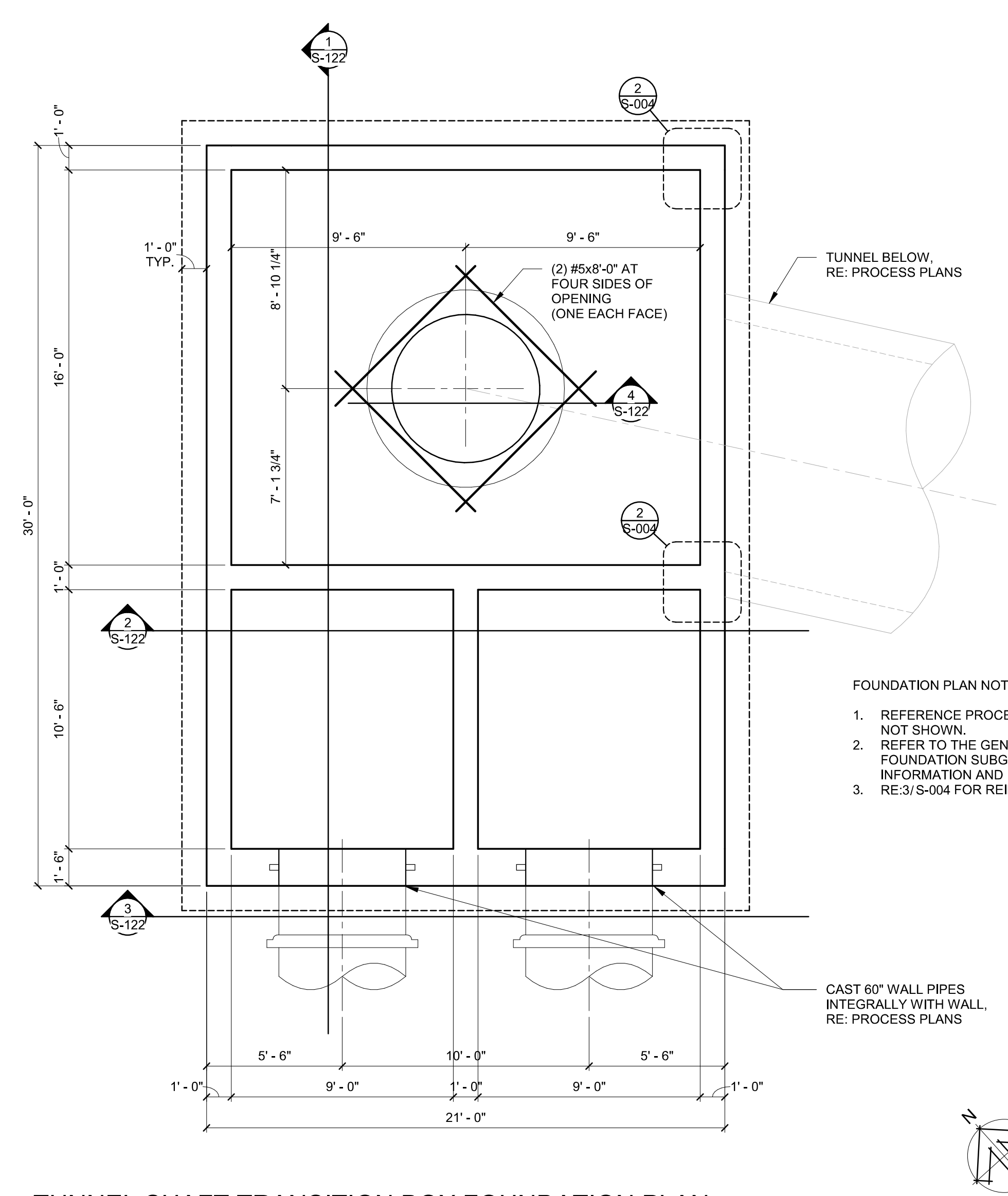
PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	ALM
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
PUMP STATION
BUILDING SECTIONS

DRAWING NO.
RI-PS
S-118
SHEET OF



2 TUNNEL SHAFT TRANSITION BOX FRAMING PLAN
1/4" = 1'-0"

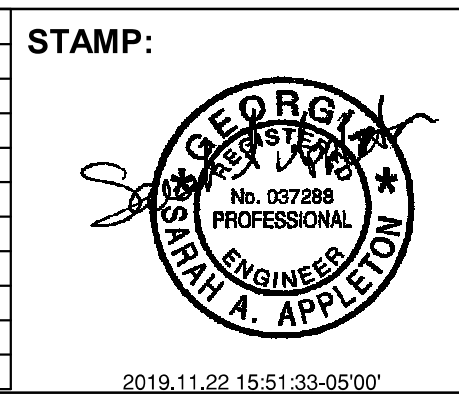


1 TUNNEL SHAFT TRANSITION BOX FOUNDATION PLAN
1/4" = 1'-0"

- FOUNDATION PLAN NOTES:
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE: S-004 FOR REINFORCING LAP REQUIREMENTS.



No.	Description	Date

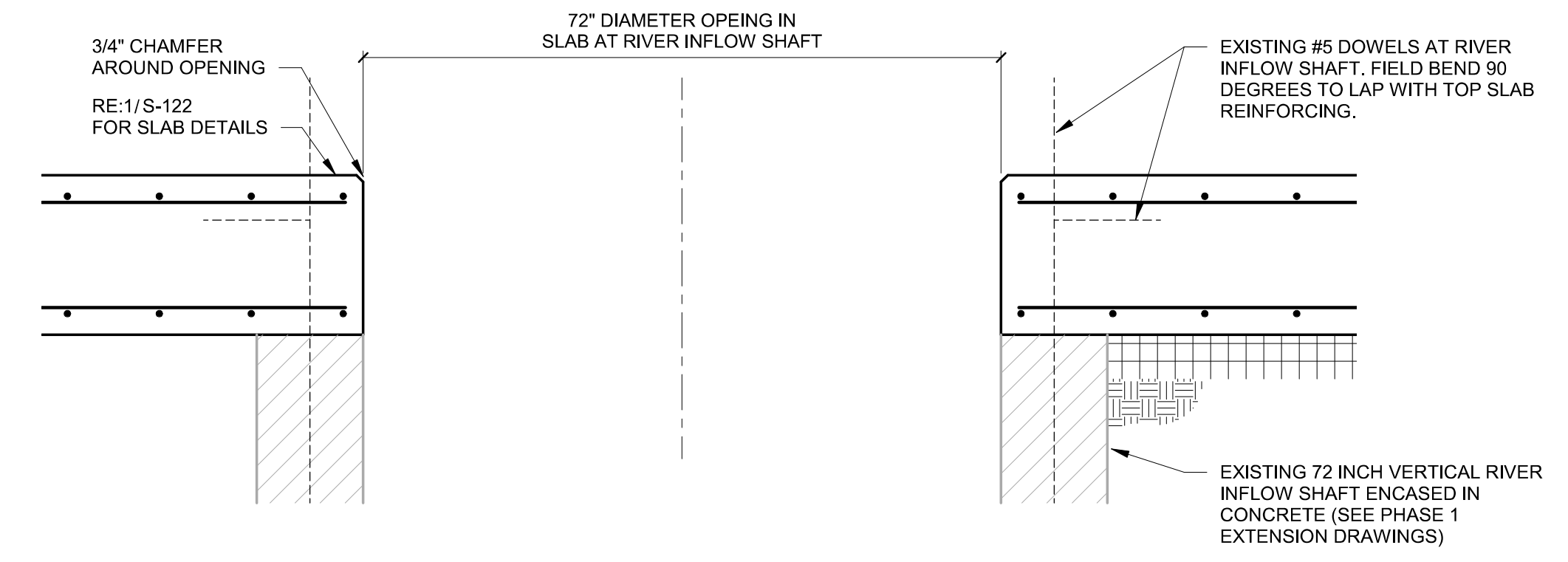
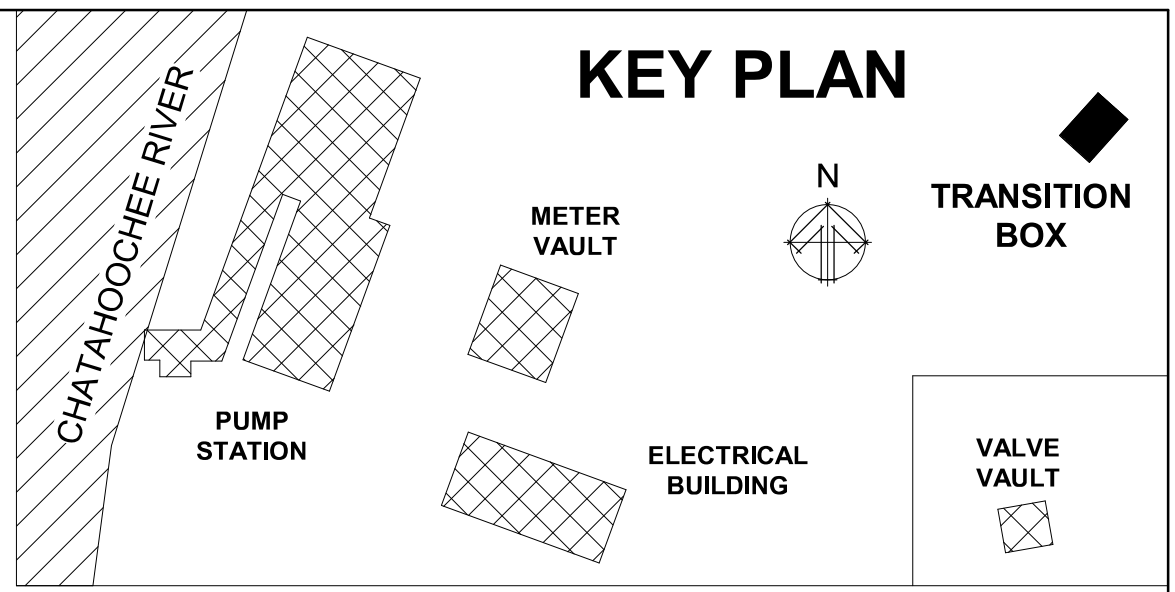


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SUITE 1600
ATLANTA, GA 30328
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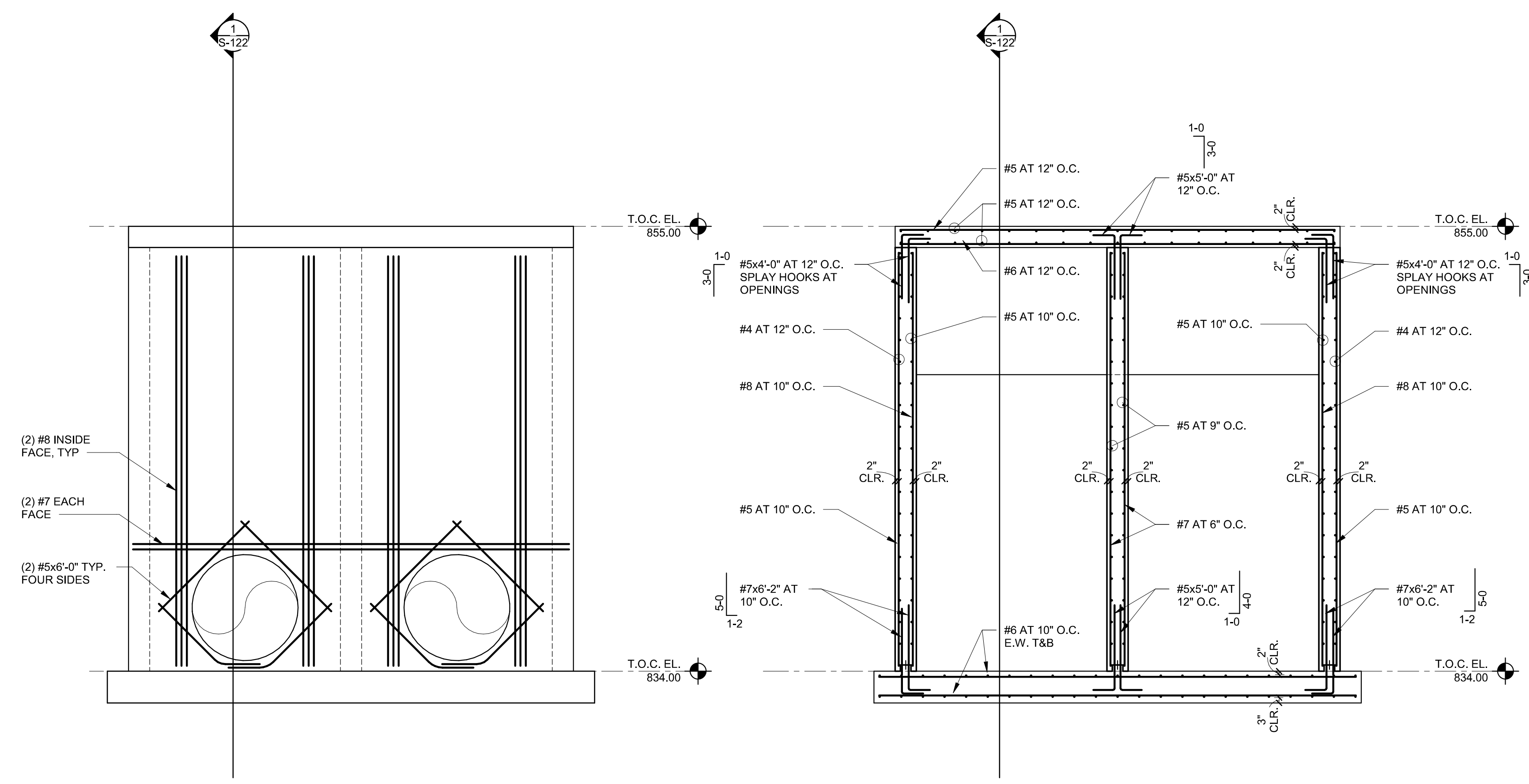
PROJECT NO:	1790066
DESIGNED BY:	ALM
DRAWN BY:	LRA
CHECKED BY:	WJM
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
TUNNEL SHAFT TRANSITION BOX
FOUNDATION AND FRAMING PLANS

DRAWING NO.
RI-PS
S-121
SHEET OF

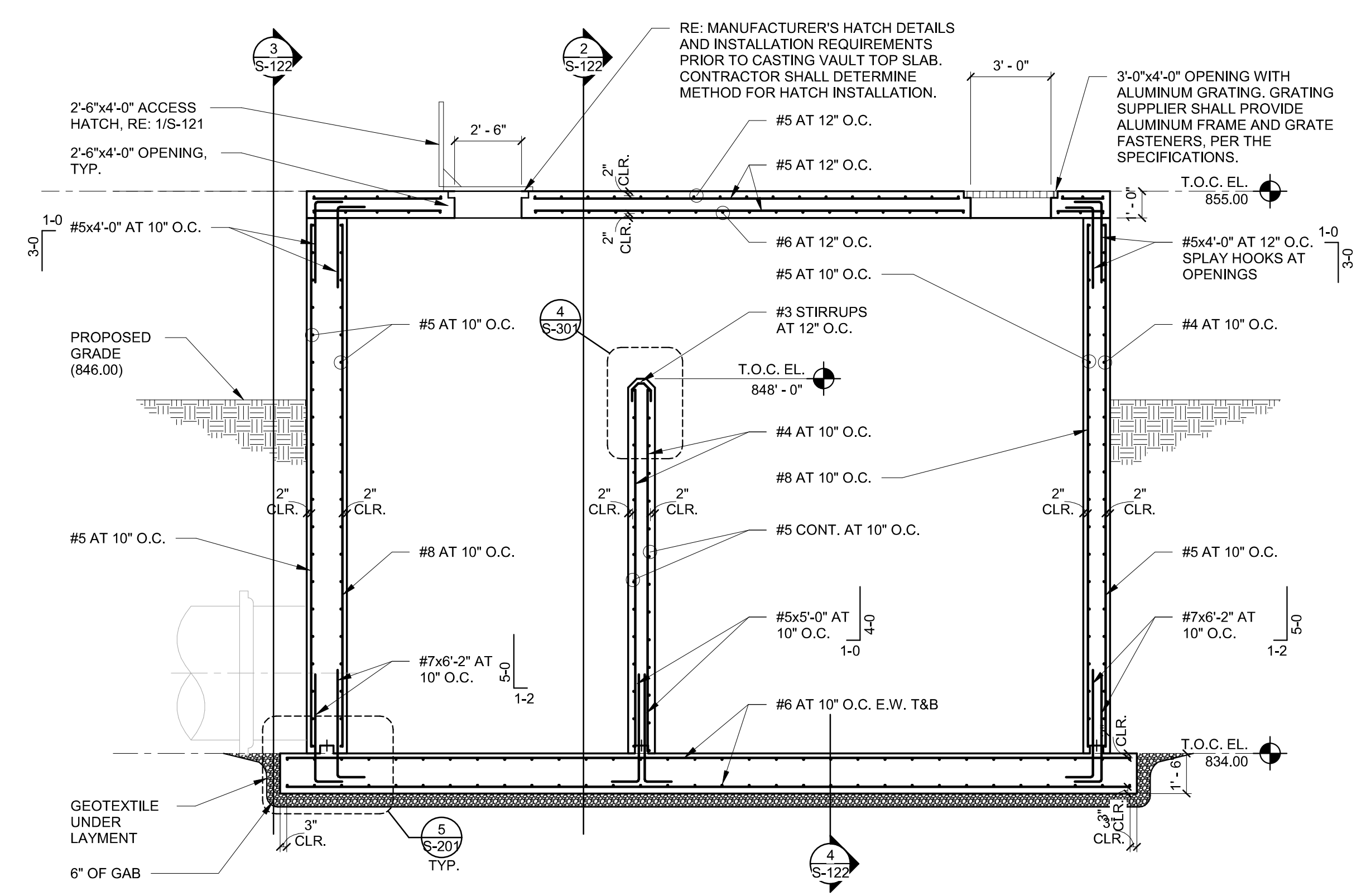


4 SECTION AT TUNNEL SHAFT
3/4" = 1'-0"

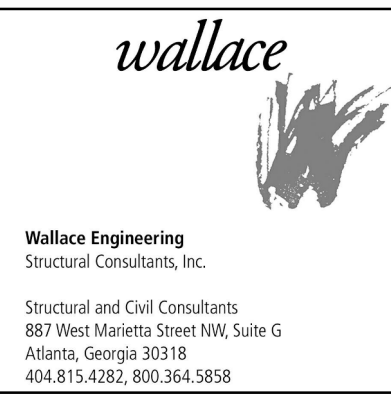


3 TRANSITION BOX WALL ELEVATION
1/4" = 1'-0"

2 TRANSITION BOX SECTION
1/4" = 1'-0"



1 TUNNEL SHAFT TRANSITION BOX SECTION
1/4" = 1'-0"



No.	Description	Date

STAMP:
2019.11.22 15:51:25-05'00"

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FAX: (707) 993-5082

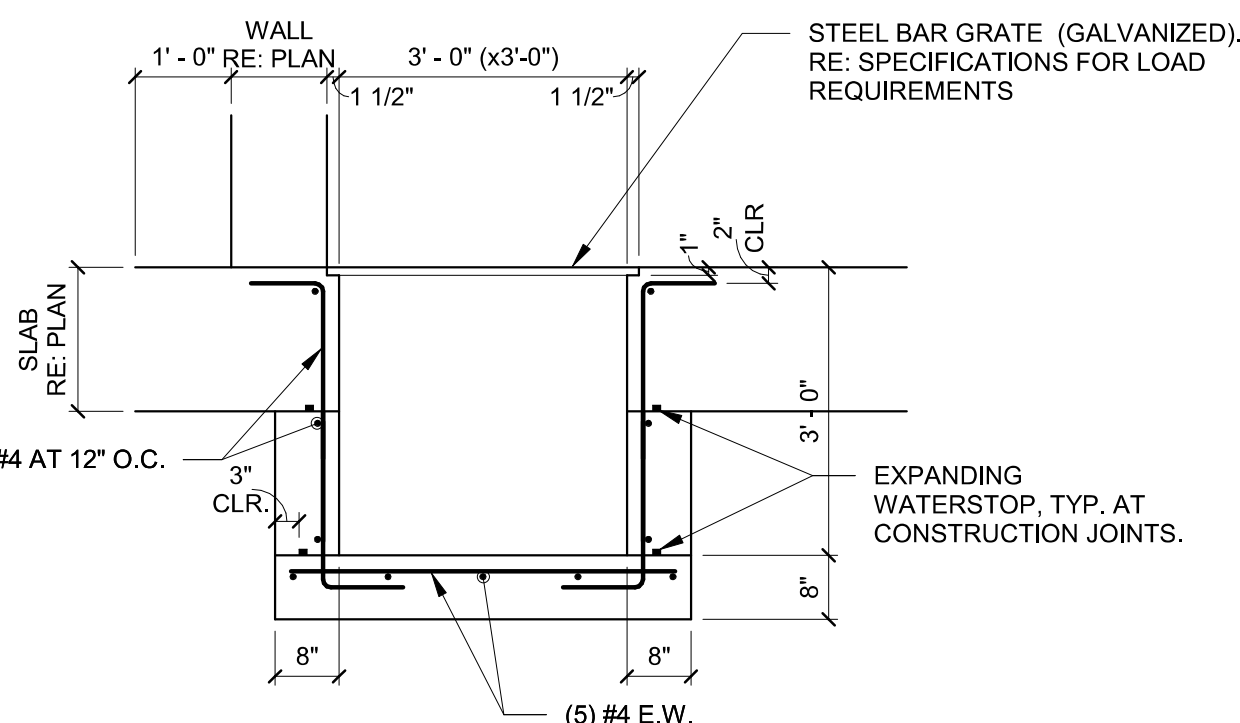
PROJECT NO:	1790066
DESIGNED BY:	ALM
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
TUNNEL SHAFT TRANSITION BOX
BUILDING SECTIONS

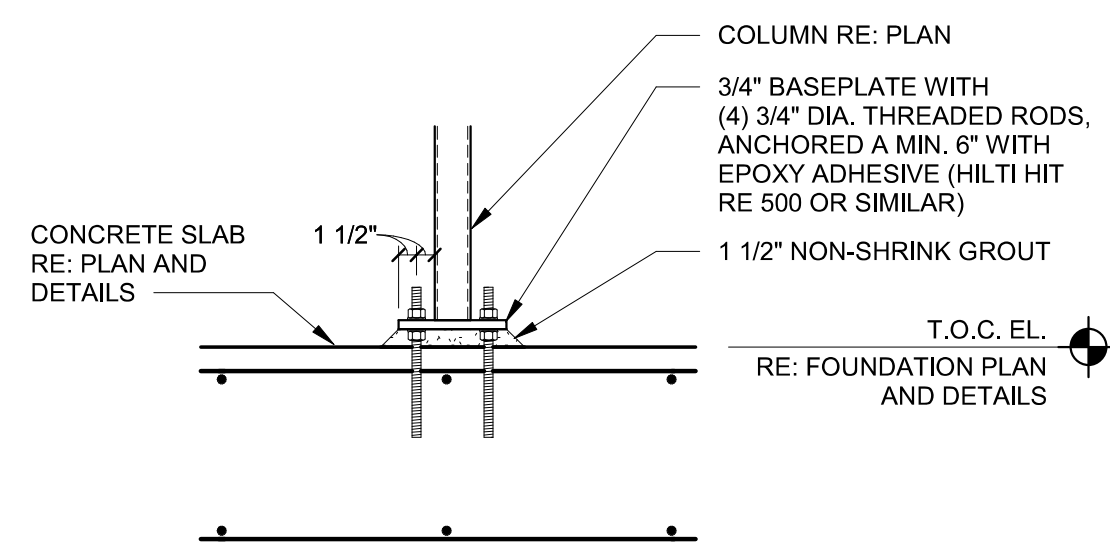
DRAWING NO.
RI-PS
S-122
SHEET OF

STAIR DESIGN NOTES

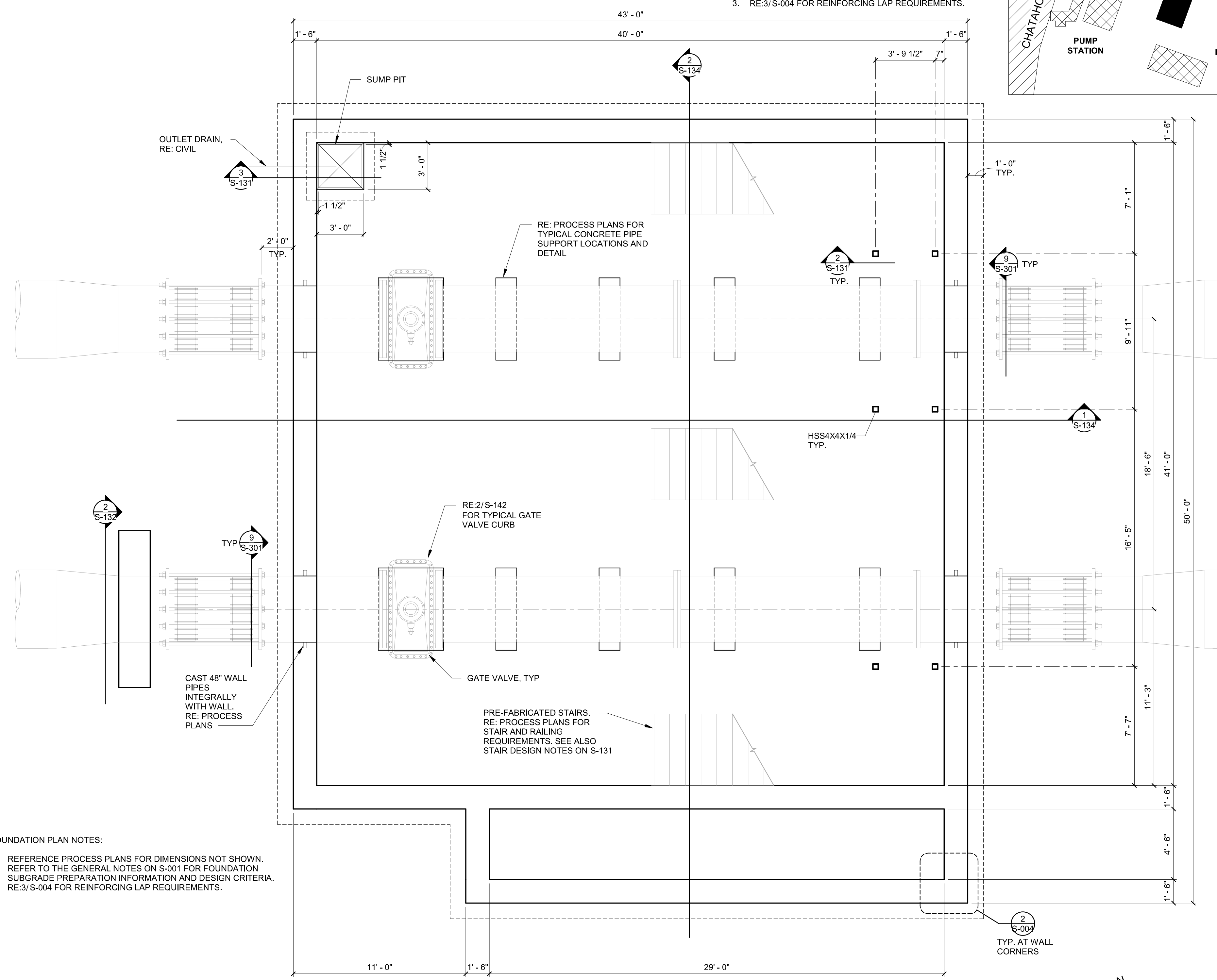
1. PERFORMANCE REQUIREMENTS
 - A. DELEGATED DESIGN: DESIGN METAL STAIRS, INCLUDING COMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONAL ENGINEER, USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED.
 - B. STRUCTURAL PERFORMANCE OF STAIRS: METAL STAIRS SHALL WITHSTAND THE EFFECTS OF GRAVITY LOADS AND THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED:
 1. UNIFORM LIVE LOAD: 100 LBF/SQ. FT.
 2. CONCENTRATED LIVE LOAD: 300 LBF APPLIED ON AN AREA OF 4 SQ. IN.
 3. UNIFORM AND CONCENTRATED LIVE LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.
 4. STAIR FRAMING: CAPABLE OF WITHSTANDING STRESSES RESULTING FROM RAIL LOADS IN ADDITION TO LOADS SPECIFIED ABOVE.
 5. LIMIT DEFLECTIONS OF TREADS, PLATFORMS, AND FRAMING MEMBERS TO L/240 FOR TOTAL LOADS AND L/360 FOR LIVE LOADS OR 1/4 INCH, WHICHEVER IS LESS.
 - C. SEISMIC PERFORMANCE: METAL STAIRS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO THE INTERNATIONAL BUILDING CODE.
 1. COMPONENT IMPORTANCE FACTOR 1.5
2. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, SIZE AND THICKNESS OF MEMBERS AND ATTACHMENTS TO OTHER WORK. INDICATE SIZE OF FABRICATED SECTION INTENDED TO BE DELIVERED.
 - A. SUBMIT THREE BOND SETS OF SHOP DRAWINGS AND CALCULATIONS ELECTRONICALLY IN PDF FORMAT VIA EMAIL FOR REVIEW BY THE STRUCTURAL ENGINEER-OF-RECORD. THE STRUCTURAL ENGINEER-OF-RECORD WILL REVIEW THE SHOP DRAWINGS AND FORWARD STAMPED ELECTRONIC DOCUMENTS TO THE CONTRACTOR THROUGH THE ARCHITECT VIA EMAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSMITTING THE REVIEWED SET TO THE FABRICATOR FOR CORRECTIONS.
 - B. REPRODUCTION OF CONTRACT DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS.
3. DELEGATED DESIGN SUBMITTAL: FOR INSTALLED PRODUCTS INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDE ANALYSIS DATA AND DESIGN CALCULATION FOR THE STAIRS AND RAILINGS PREPARED AND SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION AND LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATION SHALL CLEARLY DEFINE LOADS, STAIR GEOMETRY, STEEL STRENGTH, CONCRETE STRENGTH AND CONNECTION DESIGN FOR EACH STAIR.



3 SUMP PIT DETAIL
1/2" = 1'-0"



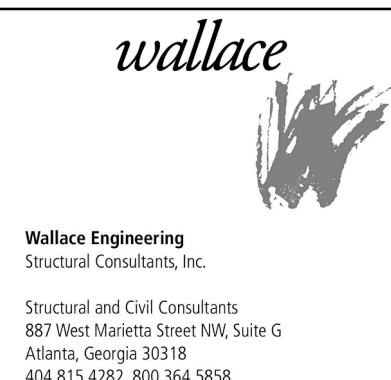
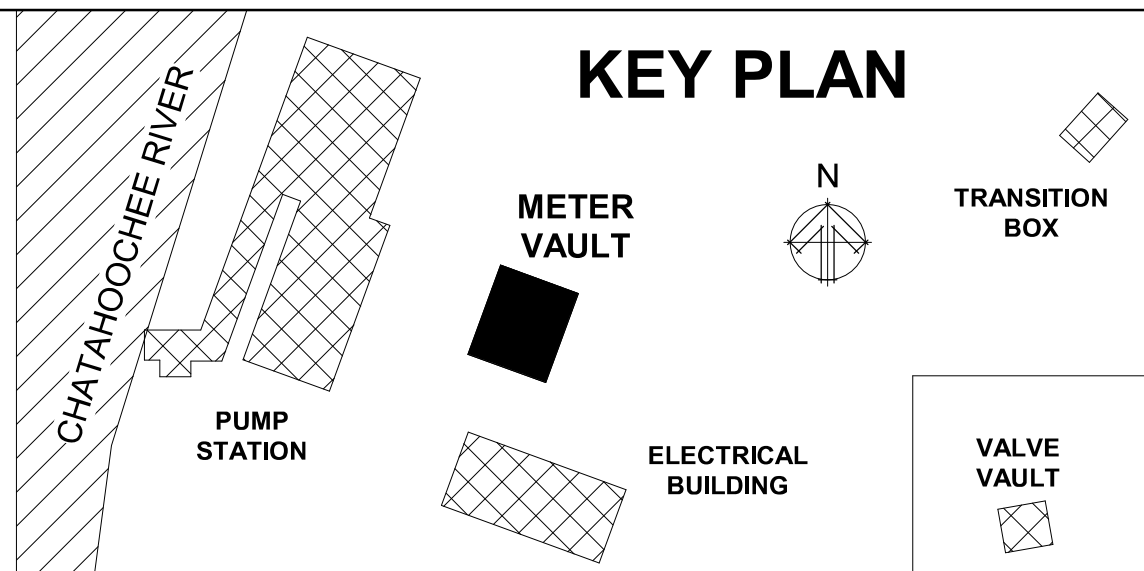
2 FOUNDATION SECTION
3/4" = 1'-0"



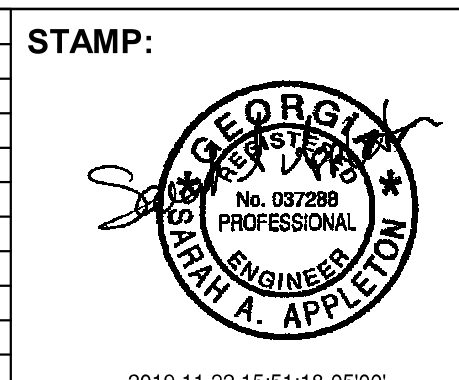
- FOUNDATION PLAN NOTES:**
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE:3/S-004 FOR REINFORCING LAP REQUIREMENTS.

1 METER VAULT FOUNDATION PLAN
1/4" = 1'-0"

- FOUNDATION PLAN NOTES:**
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE:3/S-004 FOR REINFORCING LAP REQUIREMENTS.



No.	Description	Date

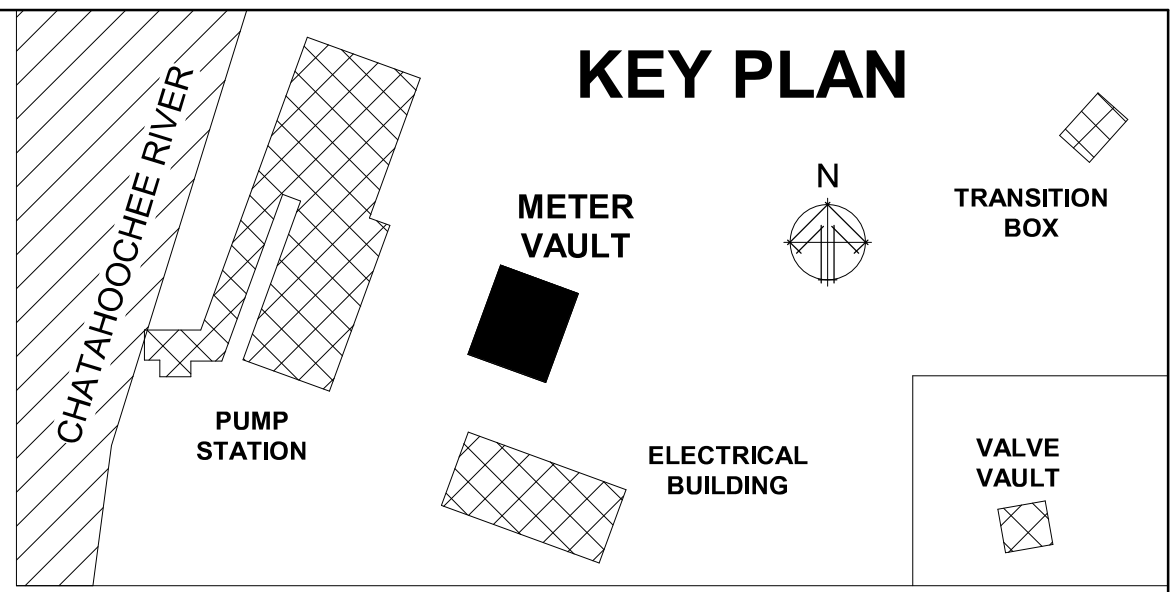


ADDRESS:
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ATLANTA, GA 30328
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FAX: (707) 993-5082

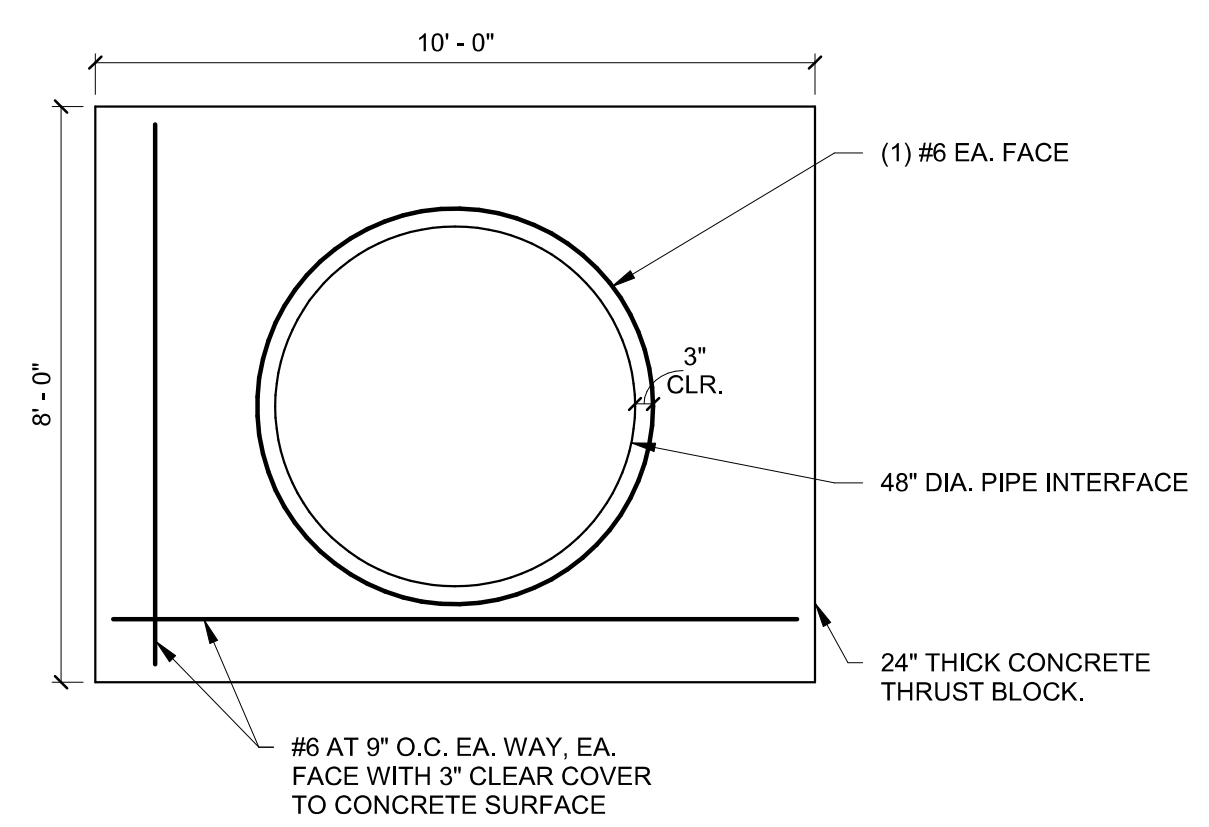
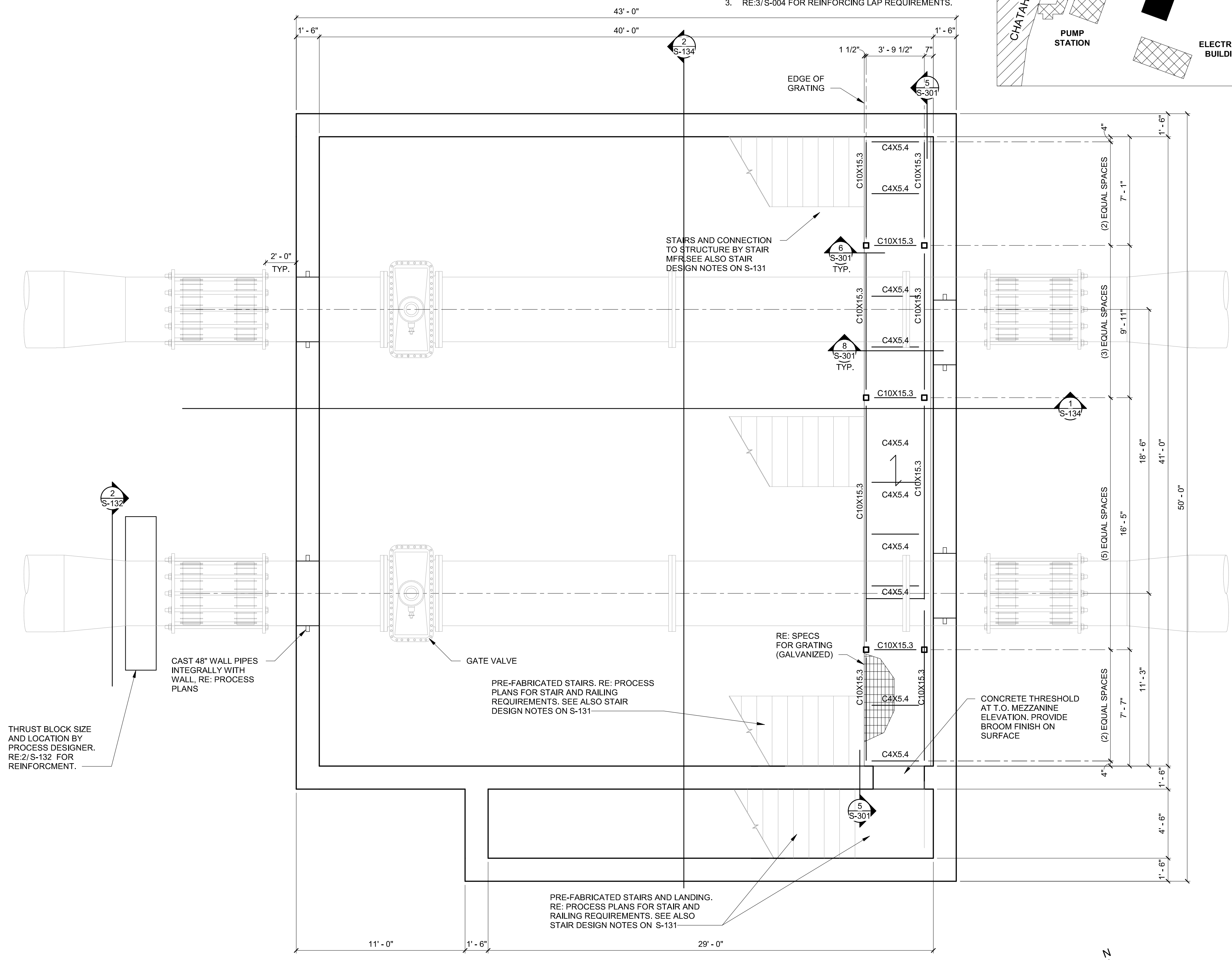
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
METER VAULT
FOUNDATION PLAN

DRAWING NO.
RI-PS
S-131
SHEET OF

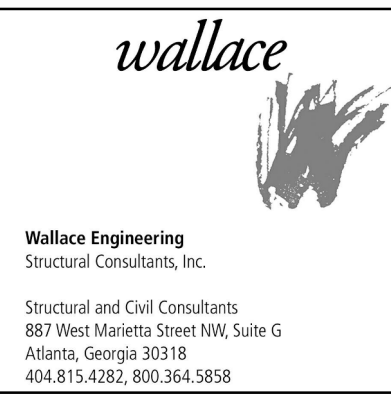


- FOUNDATION PLAN NOTES:
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE:3/S-004 FOR REINFORCING LAP REQUIREMENTS.

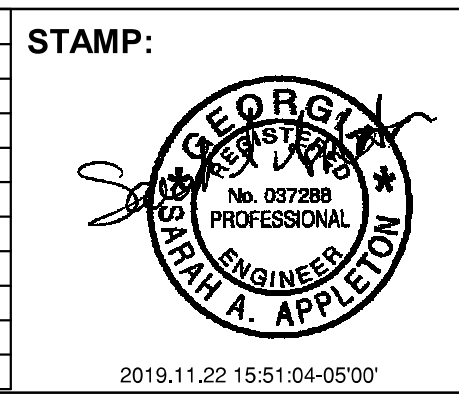


2 THRUST BLOCK REINFORCEMENT ELEVATION
3/8" = 1'-0"

1 METER VAULT MEZZANINE PLAN
1/4" = 1'-0"



No.	Description	Date

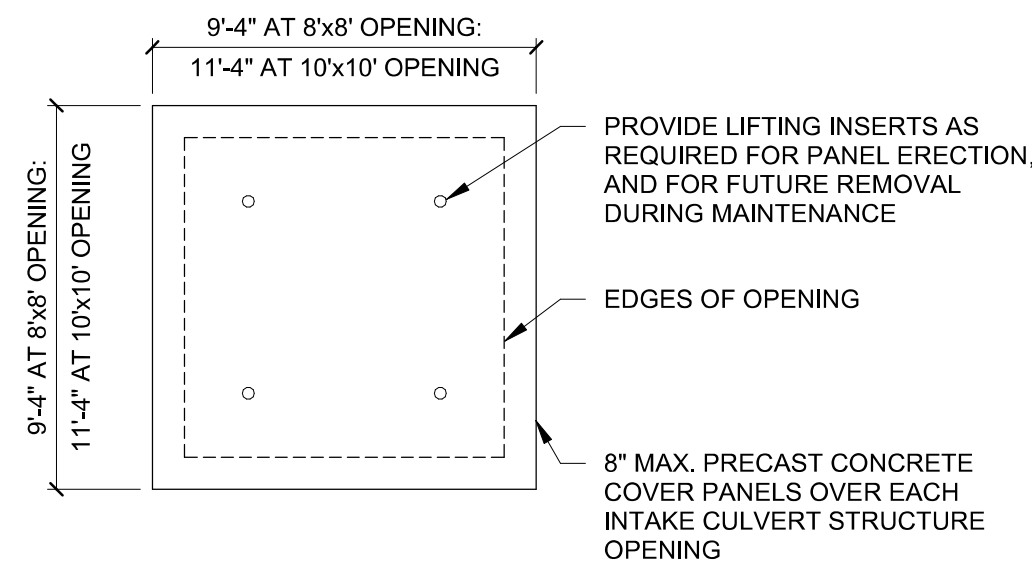


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FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
METER VAULT
MEZZANINE FRAMING PLAN

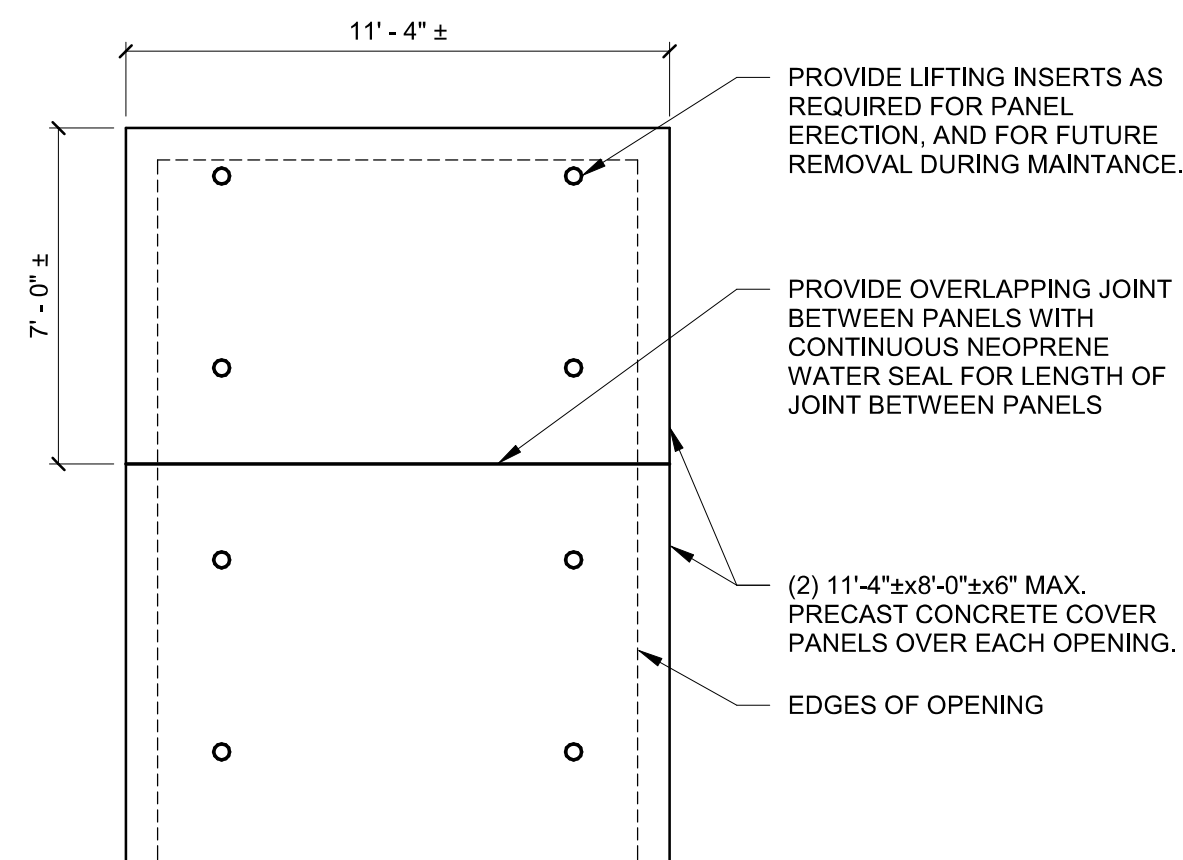
DRAWING NO.
RI-PS
S-132
SHEET OF



PRECAST CONCRETE PANEL NOTES:

- REFER TO SPECIFICATION SECTION 03420 - STRUCTURAL PRECAST CONCRETE FOR PANEL FABRICATION REQUIREMENTS.
- PANELS SHALL BE DESIGNED TO ACCOMMODATE A MINIMUM 100 PSF OUT-OF-PLANE LIVE LOAD AND 450 PSF OUT-OF-PLANE FLUID LOAD (FROM FLOOD EVENT) ON THE SURFACE OF THE INSTALLED PANEL, THE PANEL SELF WEIGHT, AND ANTICIPATED LIFTING LOADS AT ERECTION AND FOR FUTURE MAINTENANCE.
- THE PRECAST PANEL SUPPLIER SHALL PROVIDE A CONTINUOUS ELASTOMERIC BEARING PAD TO BEAR THE PANELS ON THE CONCRETE CURB INDICATED IN THE PLANS. THE WIDTH, THICKNESS, AND HARDNESS OF THE PAD SHALL BE SPECIFIED BY THE PANEL SUPPLIER. THE ELASTOMERIC PAD SHALL BE INSTALLED TO ADHERE TO THE TOP OF CURB WITH AN ADHESIVE PRODUCT SPECIFIED BY THE PRECAST PANEL SUPPLIER.
- AN OVERLAPPING JOINT WITH ELASOMERIC MATERIAL PROVIDING A WATERTIGHT SEAL BETWEEN THE PANELS SHALL BE PROVIDED BY THE PANEL SUPPLIER. THE JOINT MATERIAL SHALL BE FASTENED TO ONE PANEL AS SPECIFIED BY THE PANEL SUPPLIER.
- PANEL LIFTING INSERTS SHALL BE PROVIDED AT EACH CORNER OF EACH PANEL, AS REQUIRED FOR PANEL INSTALLATION AND FOR FUTURE MAINTENANCE ACTIVITIES. VERIFY INSERT REQUIREMENTS WITH THE OWNER FOR COMPATIBILITY WITH AVAILABLE MAINTENANCE LIFTING EQUIPMENT.

3 PRECAST COVERS AT INTAKE CULVERT
1/4" = 1'-0"



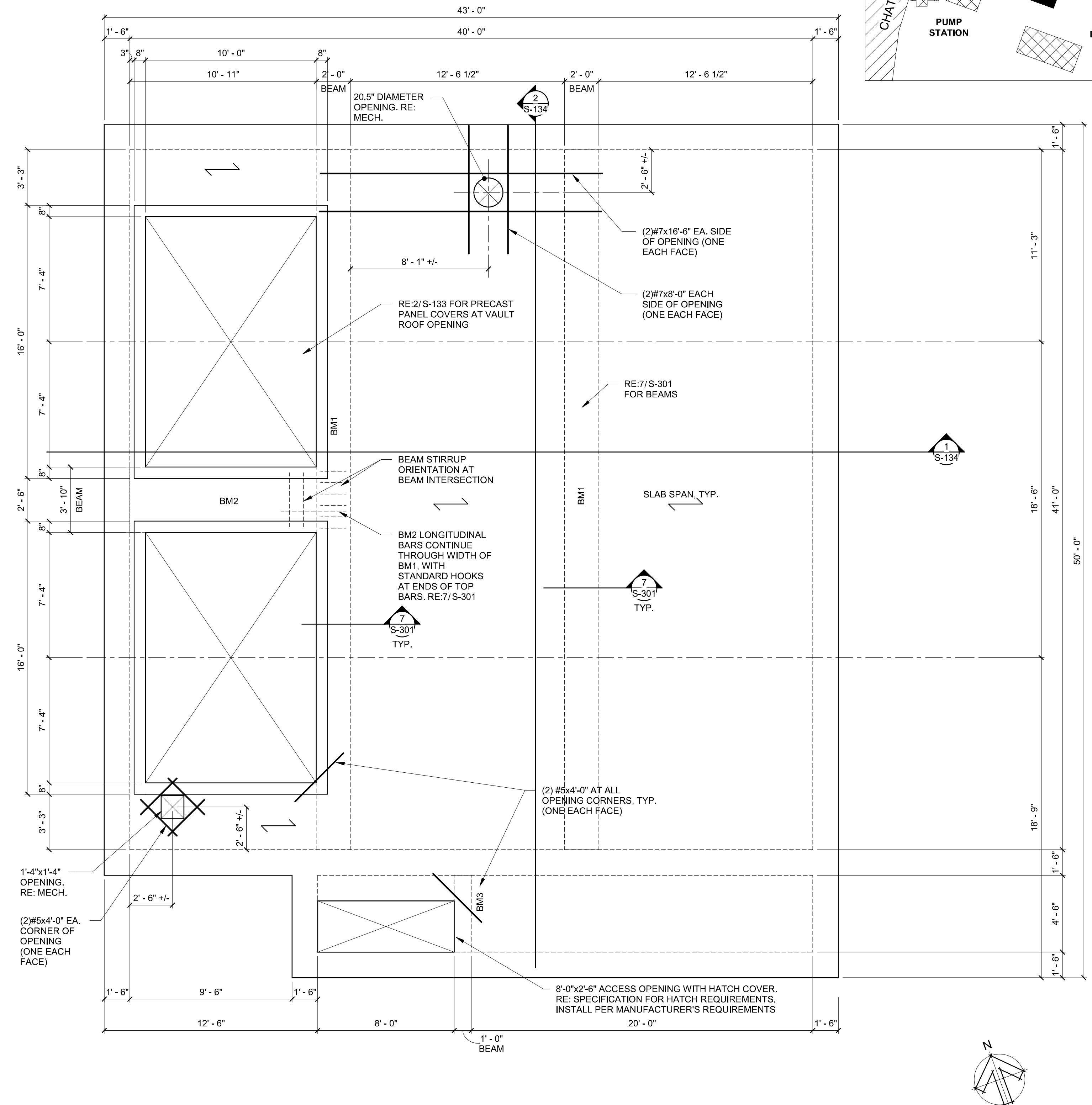
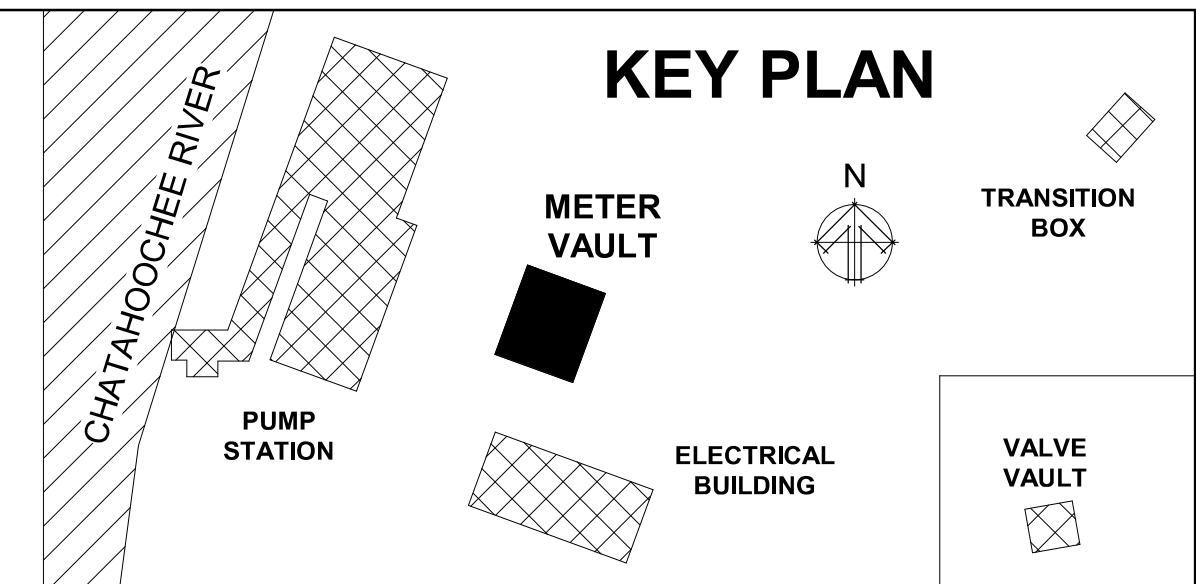
PRECAST CONCRETE PANEL NOTES:

- REFER TO SPECIFICATION SECTION 03420 - STRUCTURAL PRECAST CONCRETE FOR PANEL FABRICATION REQUIREMENTS.
- PANELS SHALL BE DESIGNED TO ACCOMMODATE A MINIMUM 100 PSF OUT-OF-PLANE LIVE LOAD ON THE SURFACE OF THE INSTALLED PANEL, THE PANEL SELF WEIGHT, AND ANTICIPATED LIFTING LOADS AT ERECTION AND FOR FUTURE MAINTENANCE.
- THE PRECAST PANEL SUPPLIER SHALL PROVIDE A CONTINUOUS ELASTOMERIC BEARING PAD TO BEAR THE PANELS ON THE CONCRETE CURB INDICATED IN THE PLANS. THE WIDTH, THICKNESS, AND HARDNESS OF THE PAD SHALL BE SPECIFIED BY THE PANEL SUPPLIER. THE ELASTOMERIC PAD SHALL BE INSTALLED TO ADHERE TO THE TOP OF CURB WITH AN ADHESIVE PRODUCT SPECIFIED BY THE PRECAST PANEL SUPPLIER.
- AN OVERLAPPING JOINT WITH ELASOMERIC MATERIAL PROVIDING A WATERTIGHT SEAL BETWEEN THE PANELS SHALL BE PROVIDED BY THE PANEL SUPPLIER. THE JOINT MATERIAL SHALL BE FASTENED TO ONE PANEL AS SPECIFIED BY THE PANEL SUPPLIER.
- PANEL LIFTING INSERTS SHALL BE PROVIDED AT EACH CORNER OF EACH PANEL, AS REQUIRED FOR PANEL INSTALLATION AND FOR FUTURE MAINTENANCE ACTIVITIES. VERIFY INSERT REQUIREMENTS WITH THE OWNER FOR COMPATIBILITY WITH AVAILABLE MAINTENANCE LIFTING EQUIPMENT.

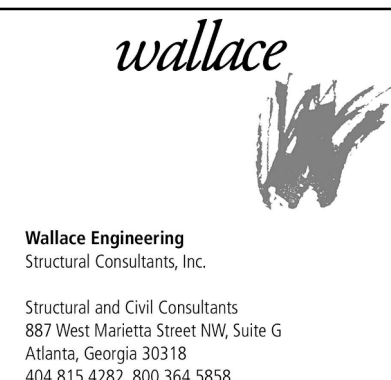
2 PRECAST COVER AT VAULT OPENING
1/4" = 1'-0"

FOUNDATION PLAN NOTES:

- REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
- REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
- RE:3/S-004 FOR REINFORCING LAP REQUIREMENTS.



1 METER VAULT ROOF FRAMING PLAN
1/4" = 1'-0"



No.	Description	Date

STAMP:

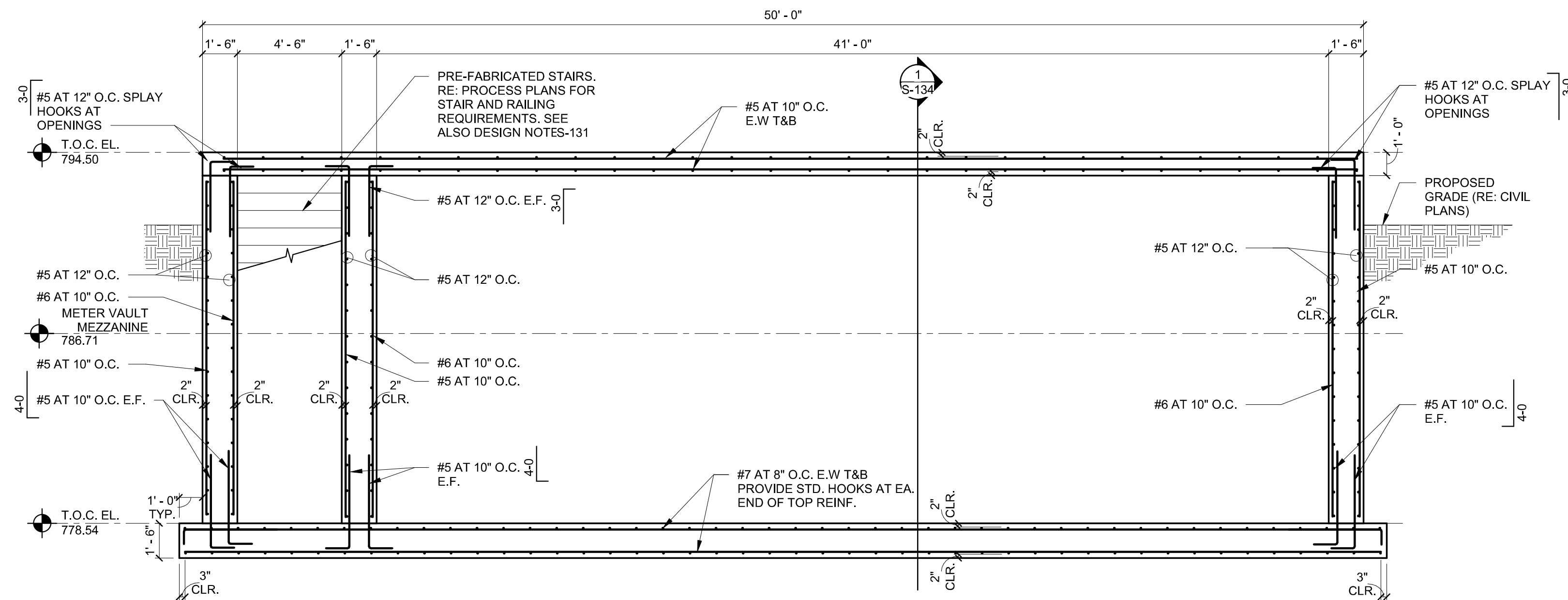
2019.11.22 15:50:56-0500'

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6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

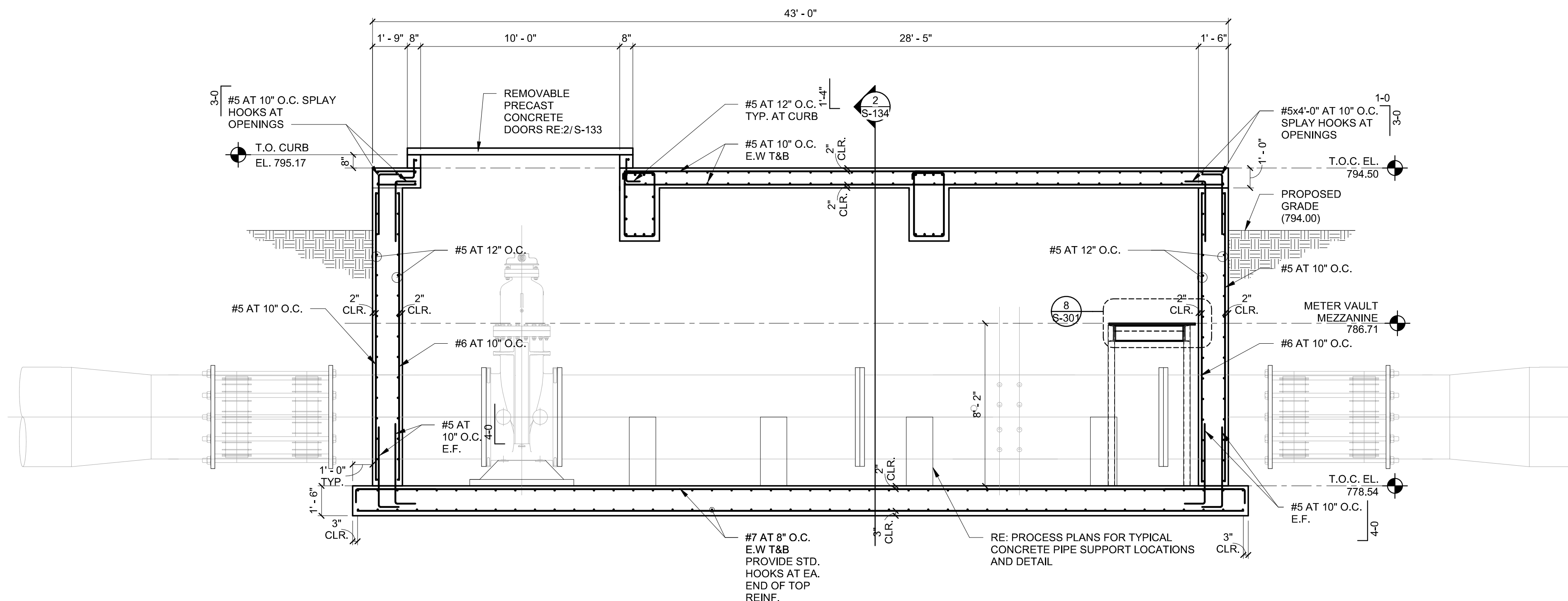
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
METER VAULT
FRAMING PLAN

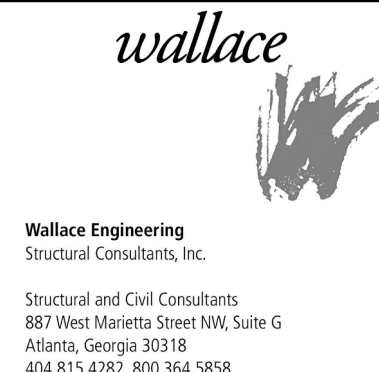
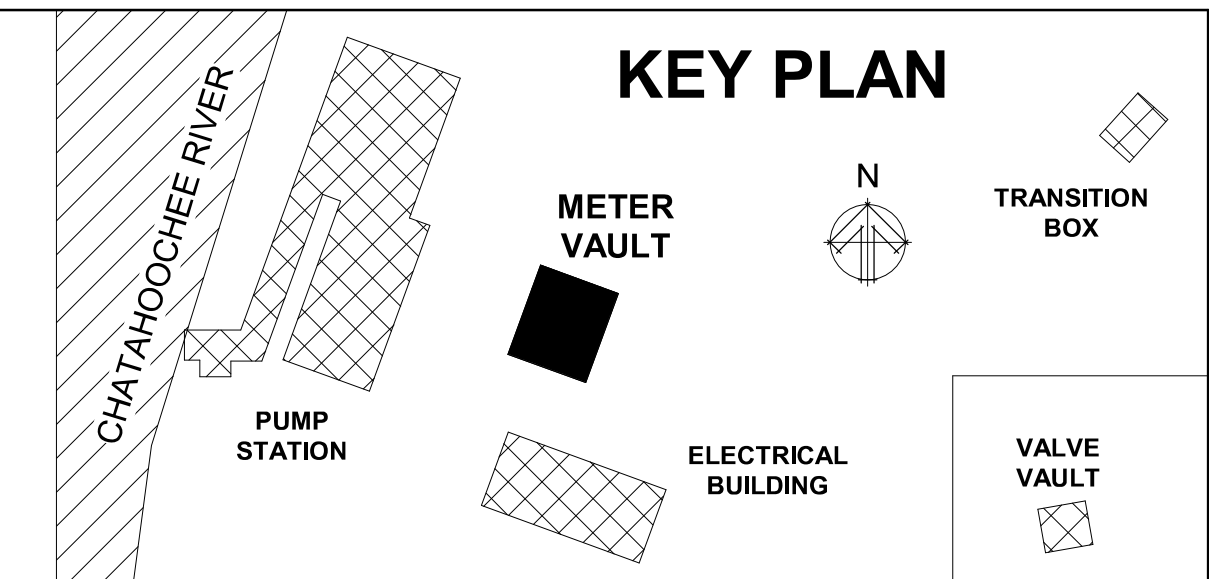
DRAWING NO.	RI-PS
	S-133
SHEET OF	



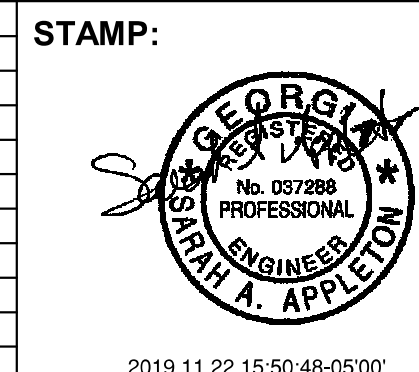
2 METER VAULT SECTION
1/4" = 1'-0"



1 METER VAULT SECTION
1/4" = 1'-0"



No.	Description	Date

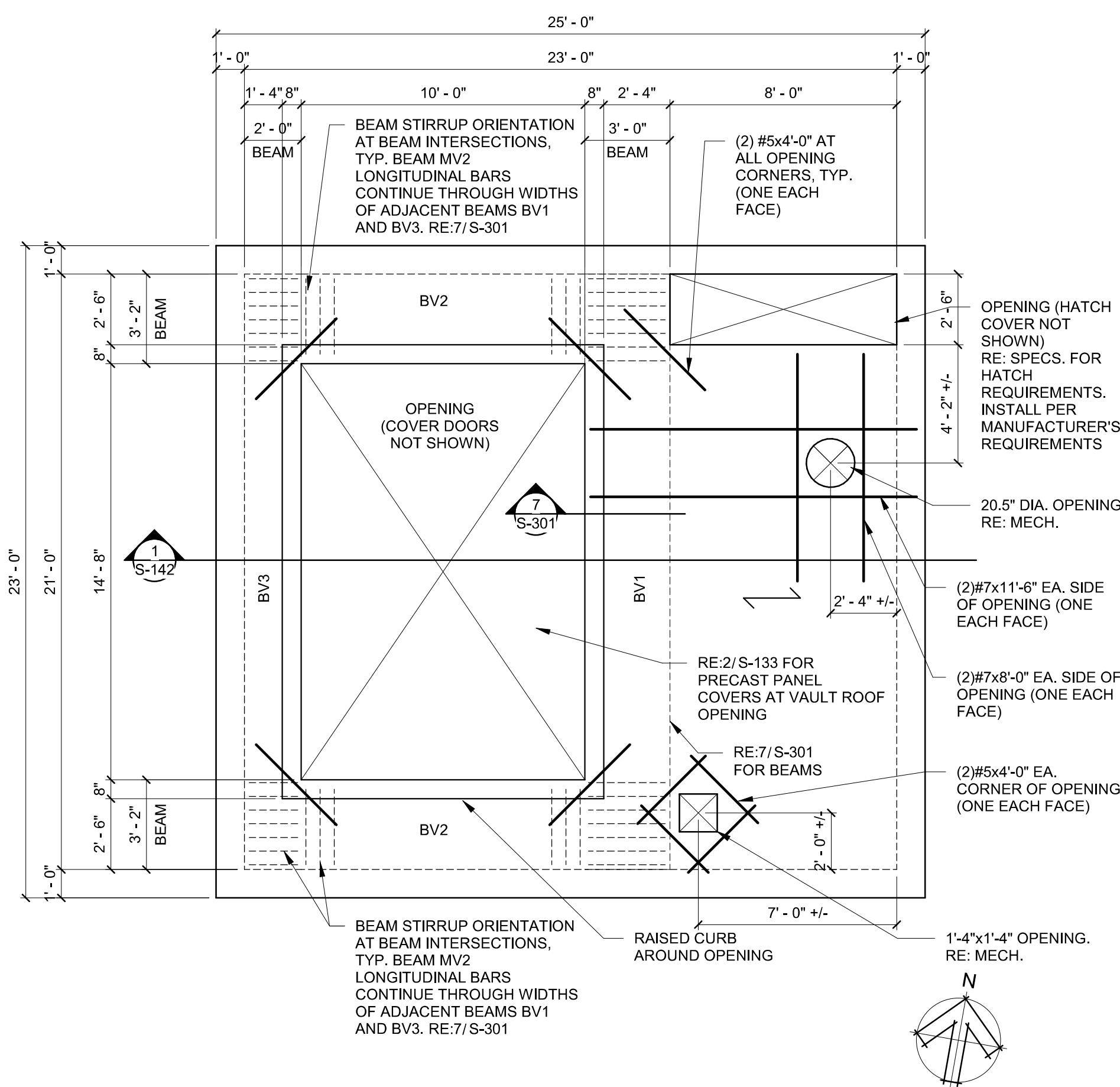
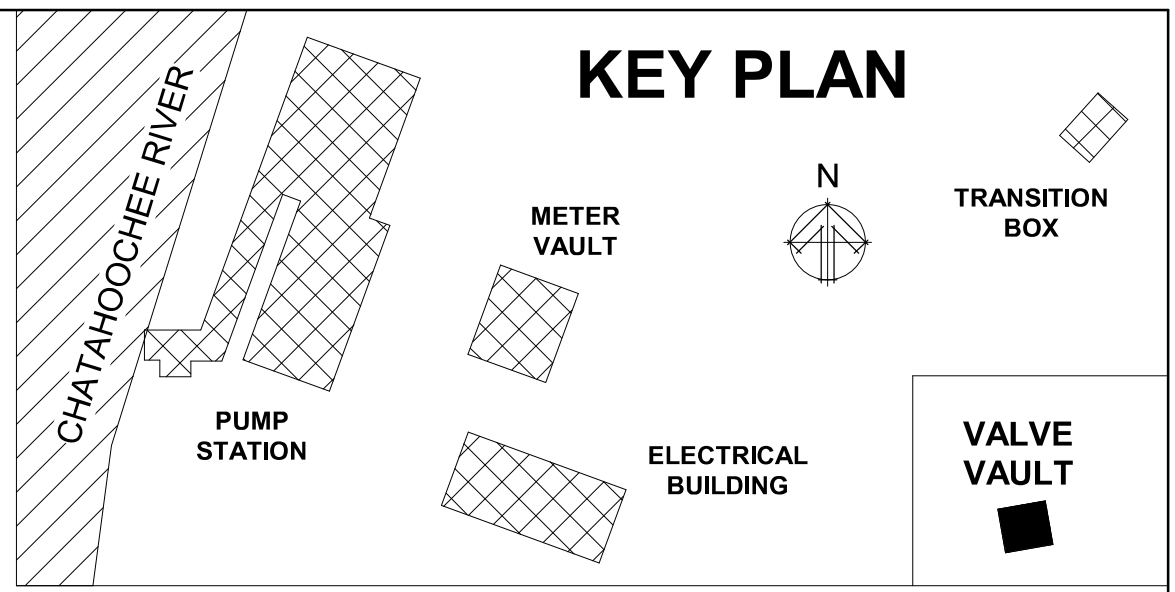


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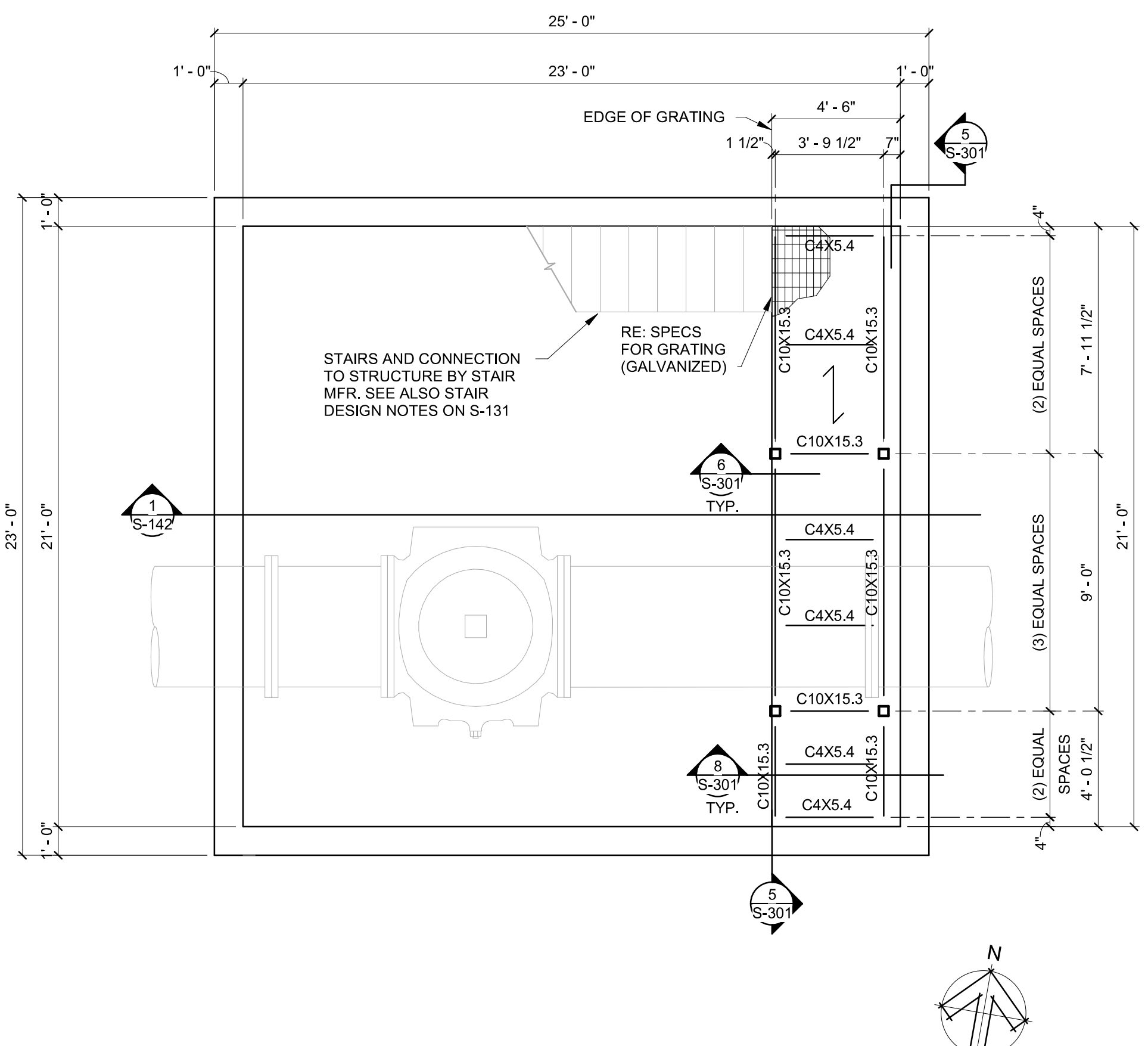
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
METER VAULT
BUILDING SECTIONS

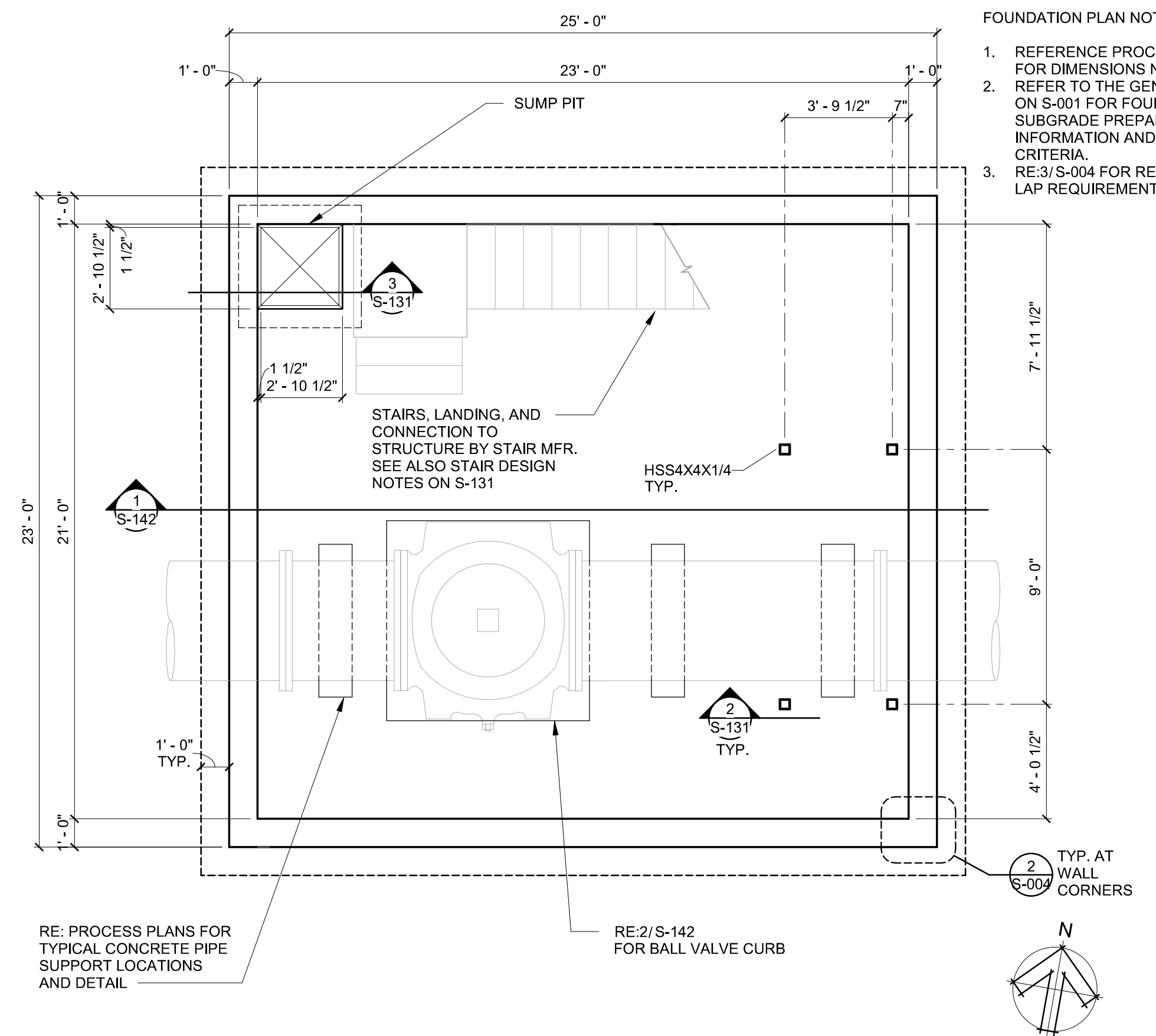
DRAWING NO.
RI-PS
S-134
SHEET OF



3 VALVE VAULT FRAMING PLAN
1/4" = 1'-0"

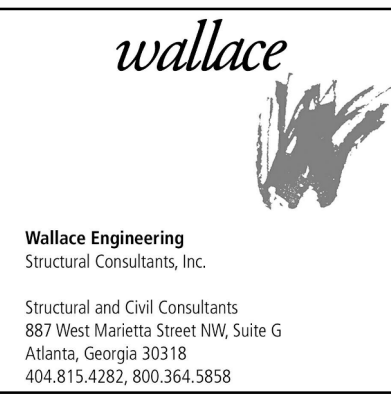


2 VALVE VAULT MEZZANINE PLAN
1/4" = 1'-0"

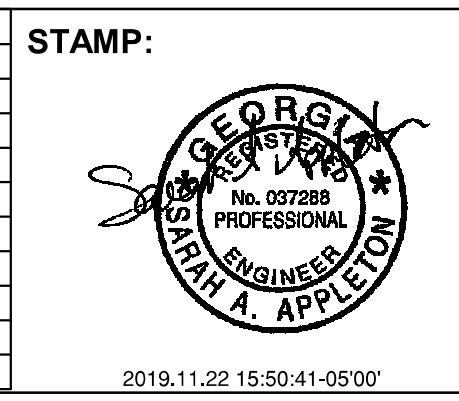


1 VALVE VAULT FOUNDATION PLAN
1/4" = 1'-0"

- FOUNDATION PLAN NOTES:**
1. REFERENCE PROCESS PLANS FOR DIMENSIONS NOT SHOWN.
 2. REFER TO THE GENERAL NOTES ON S-001 FOR FOUNDATION SUBGRADE PREPARATION INFORMATION AND DESIGN CRITERIA.
 3. RE: S-004 FOR REINFORCING LAP REQUIREMENTS.



No.	Description	Date



ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

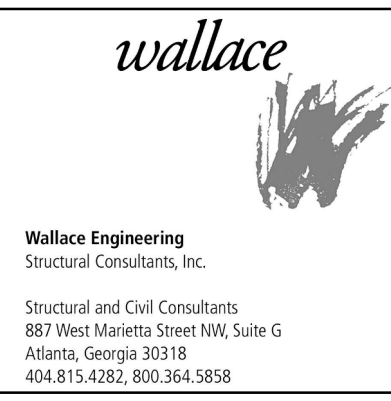
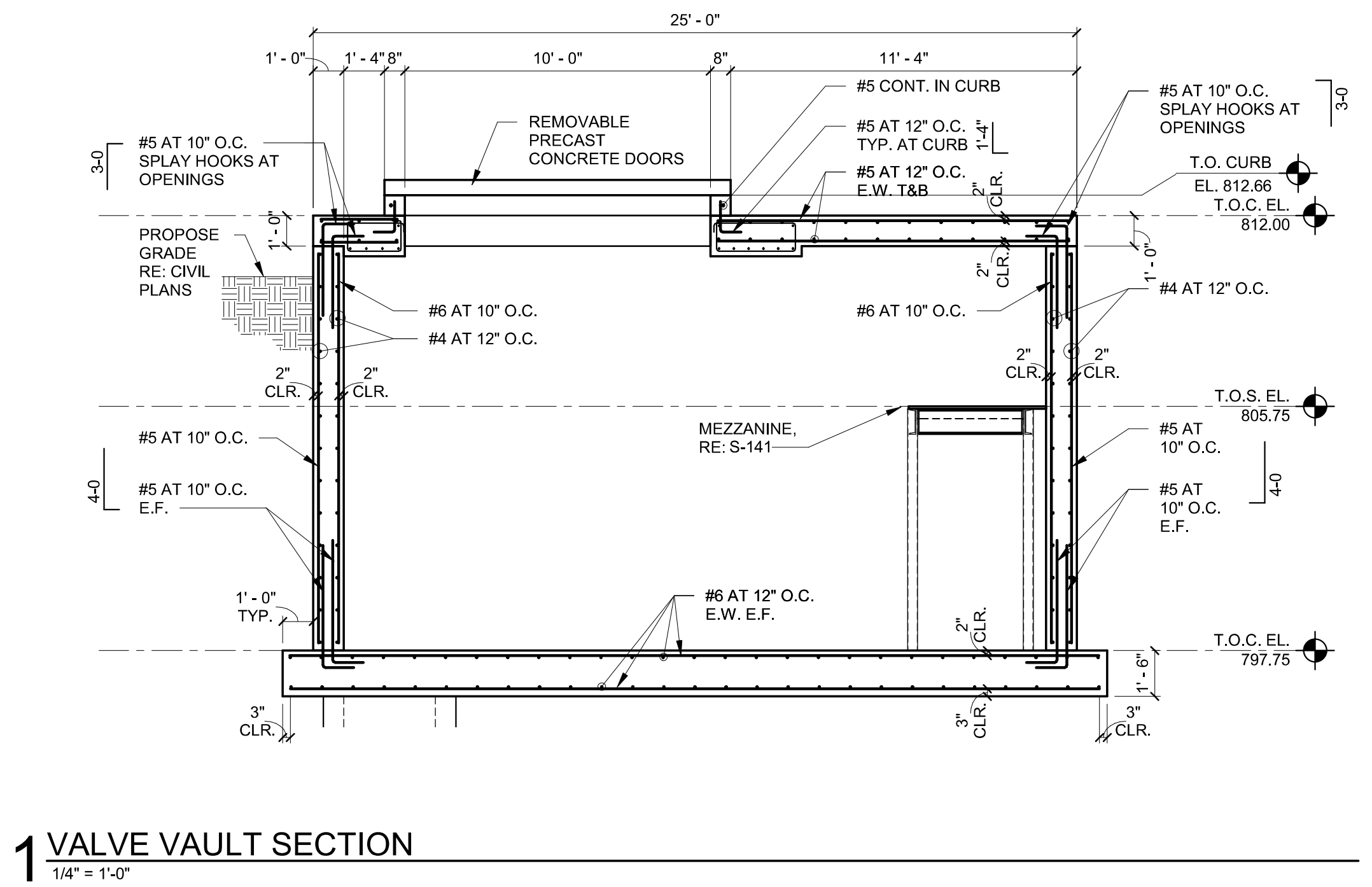
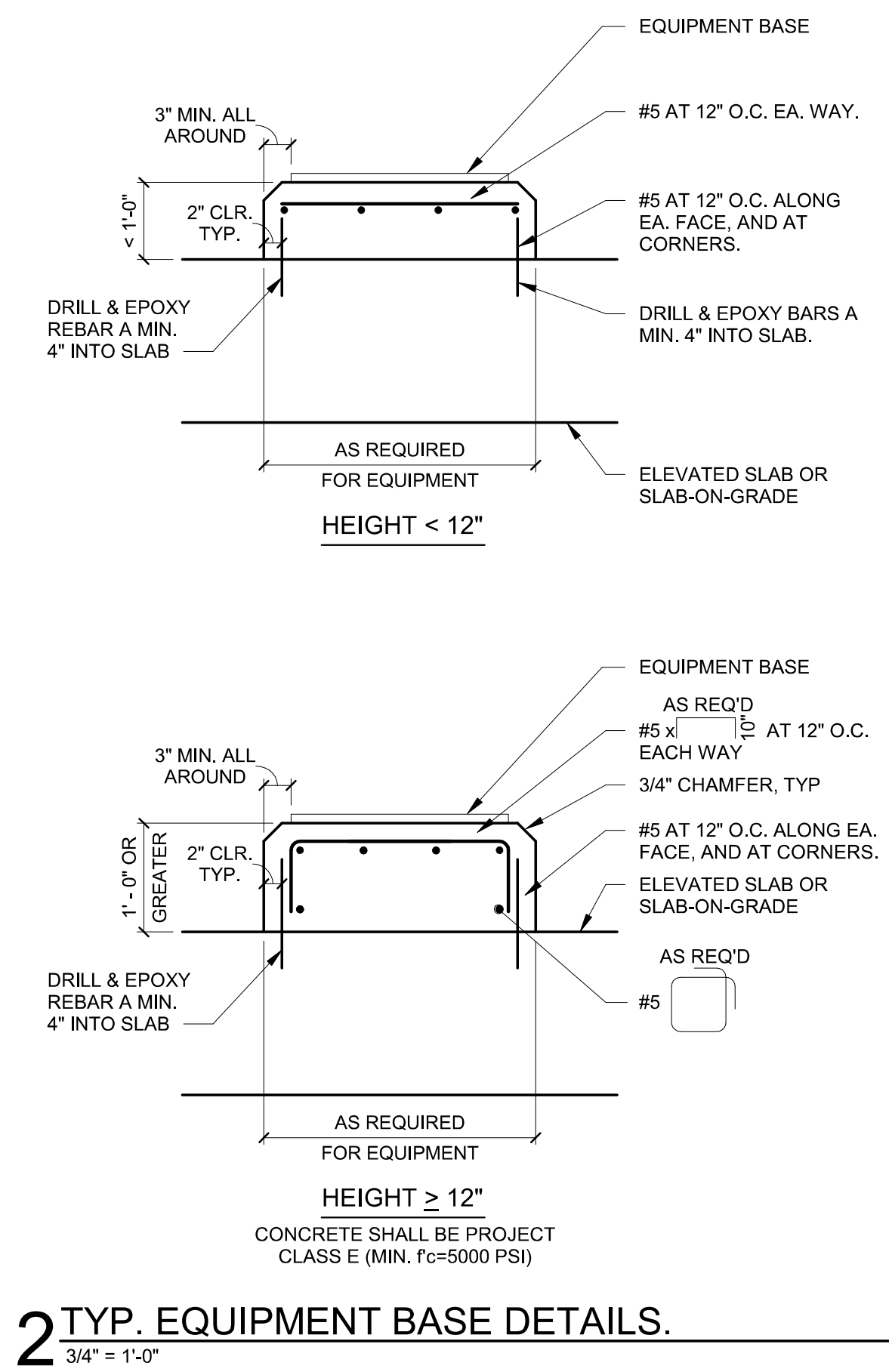
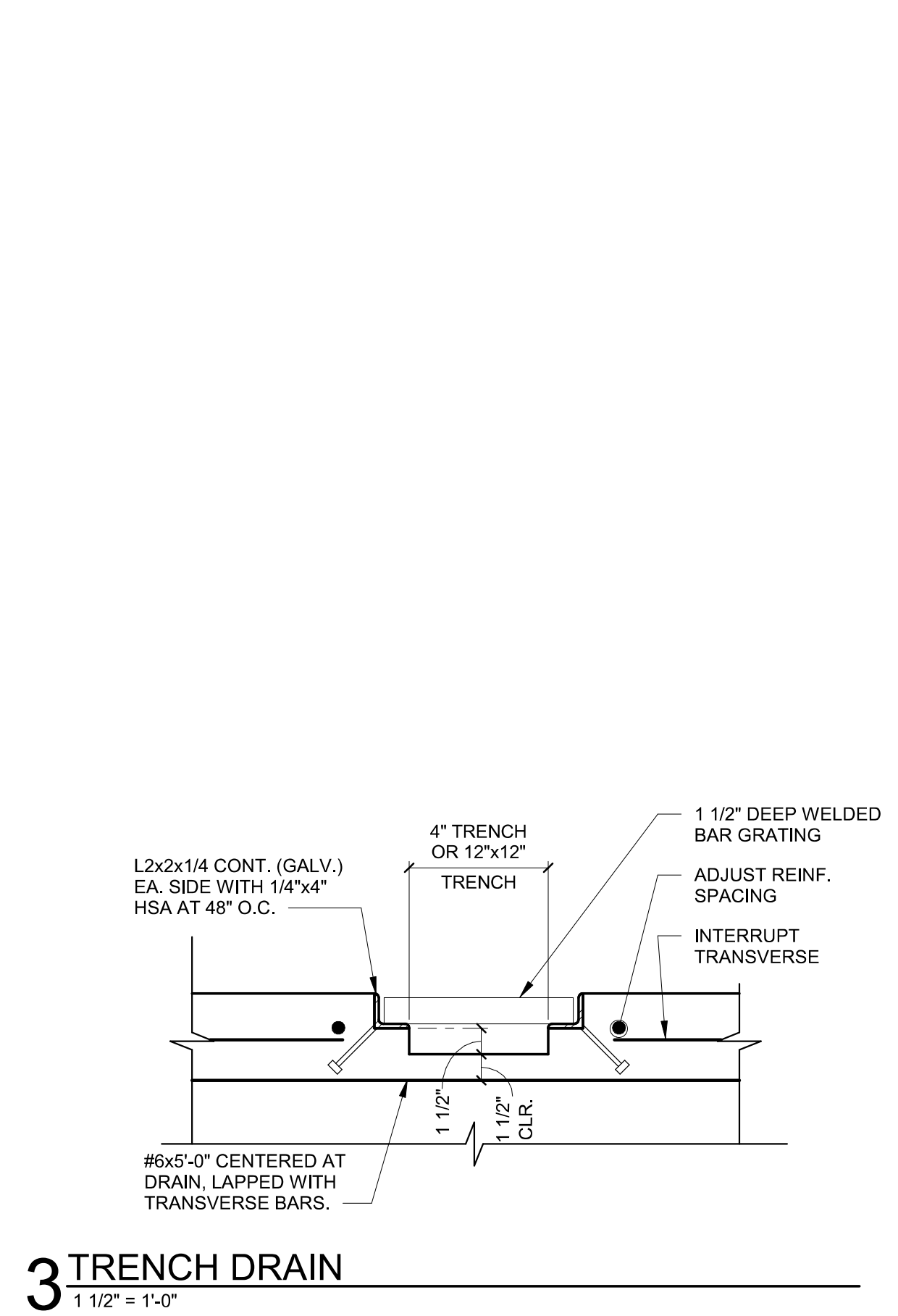
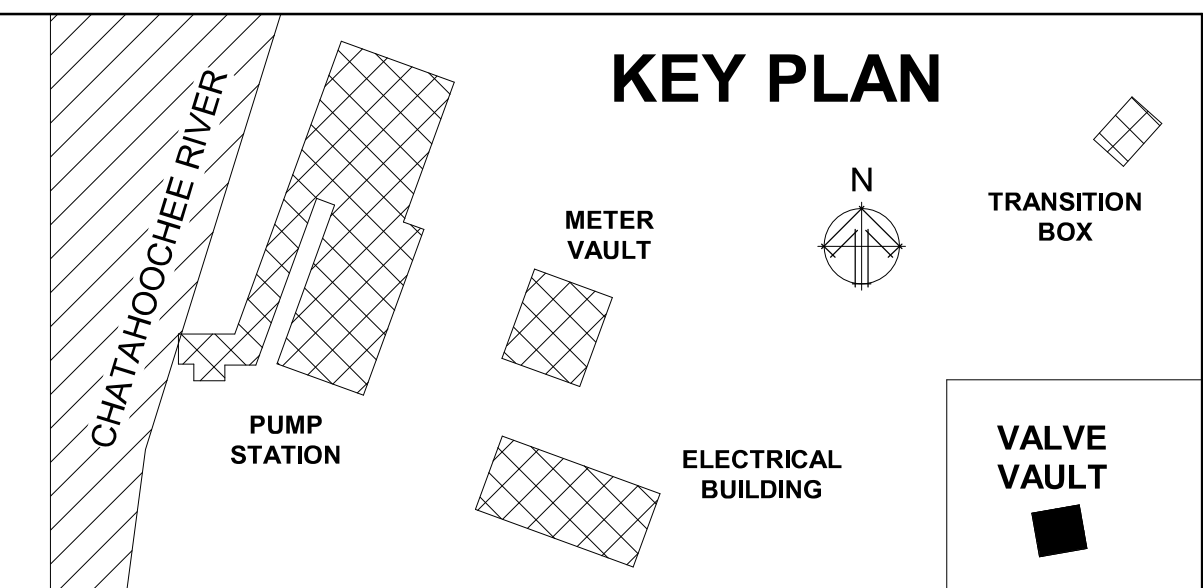
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

**CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
VALVE VAULT
FOUNDATION AND FRAMING PLANS**

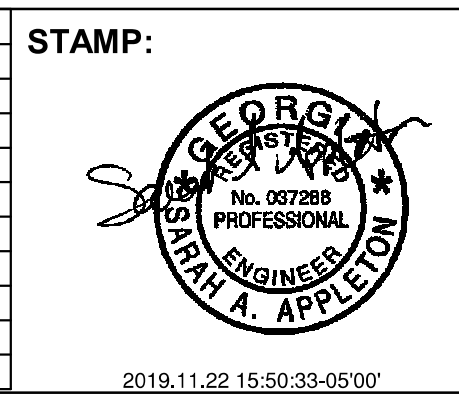
**DRAWING NO.
RI-PS
S-141
SHEET OF**

ISSUED FOR BIDDING

11/22/2019 3:30:57 PM



No.	Description	Date



ADDRESS:
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 6 CONCOURSE PARKWAY
 SUITE 1600
 ATLANTA, GA 30328
 (707) 569-7038 x101
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PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	As indicated

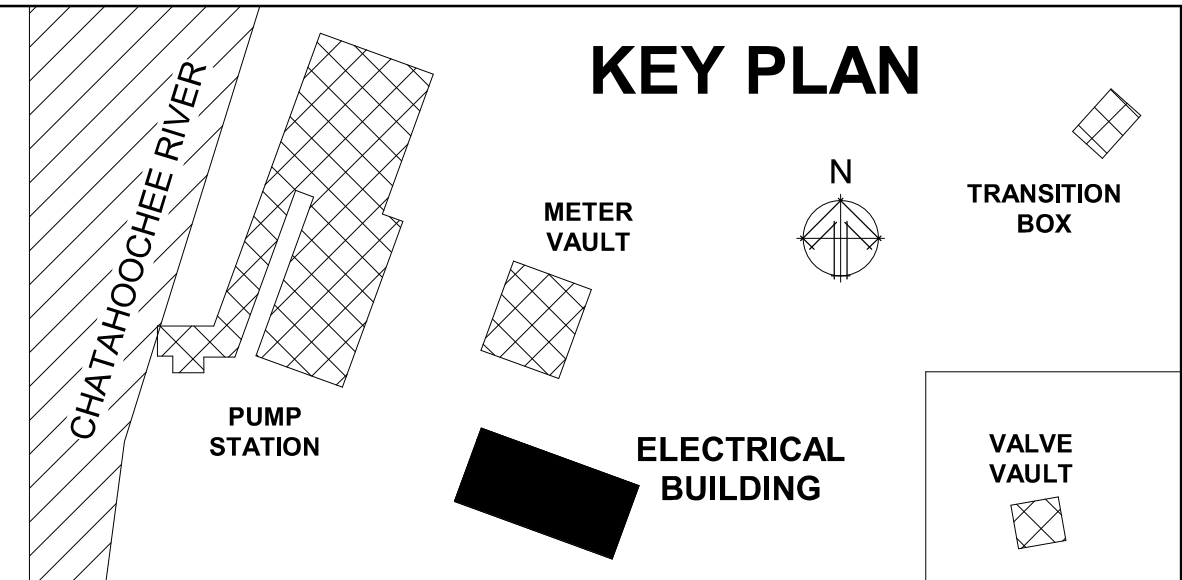
CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
VALVE VAULT
BUILDING SECTIONS

DRAWING NO.
RI-PS
S-142
 SHEET OF

ISSUED FOR BIDDING

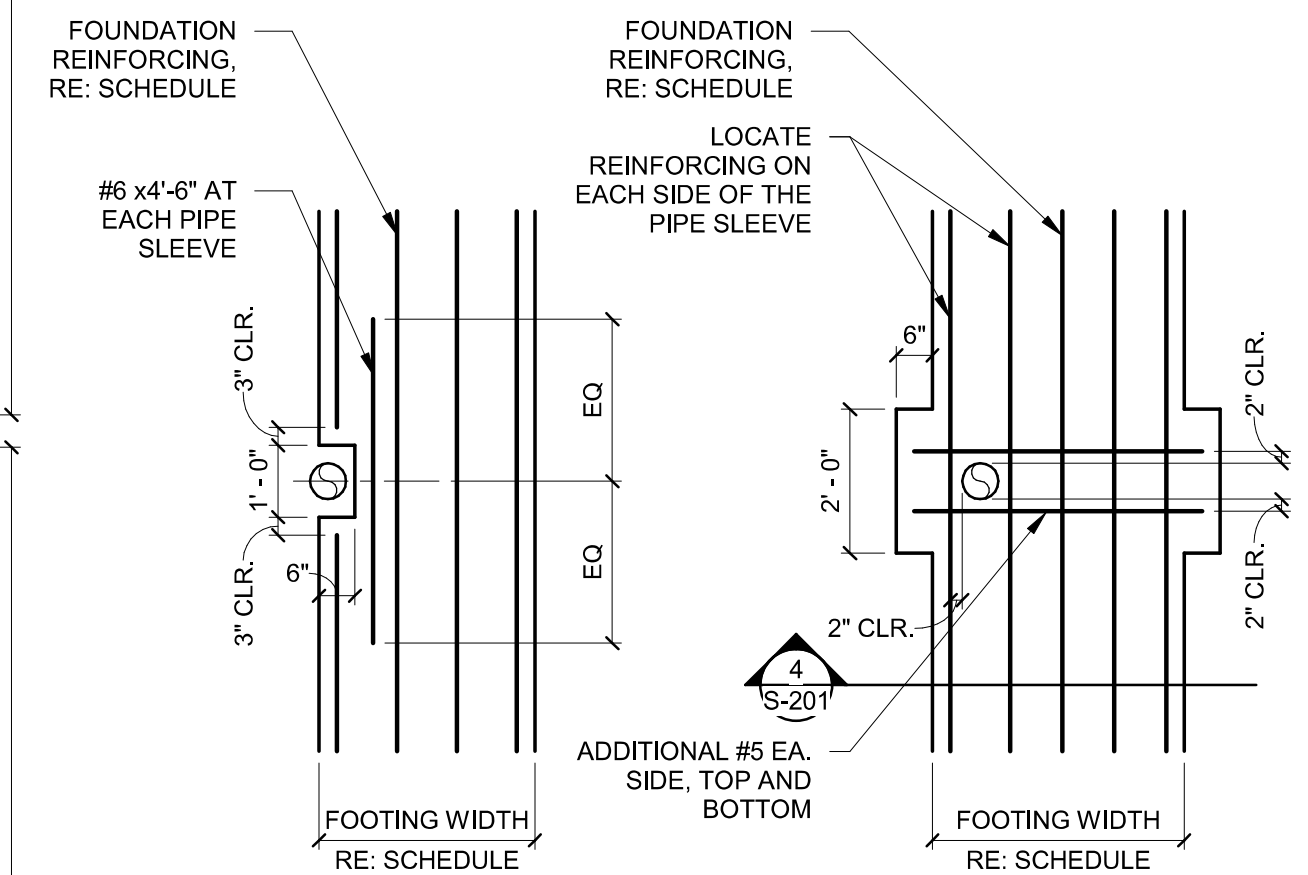
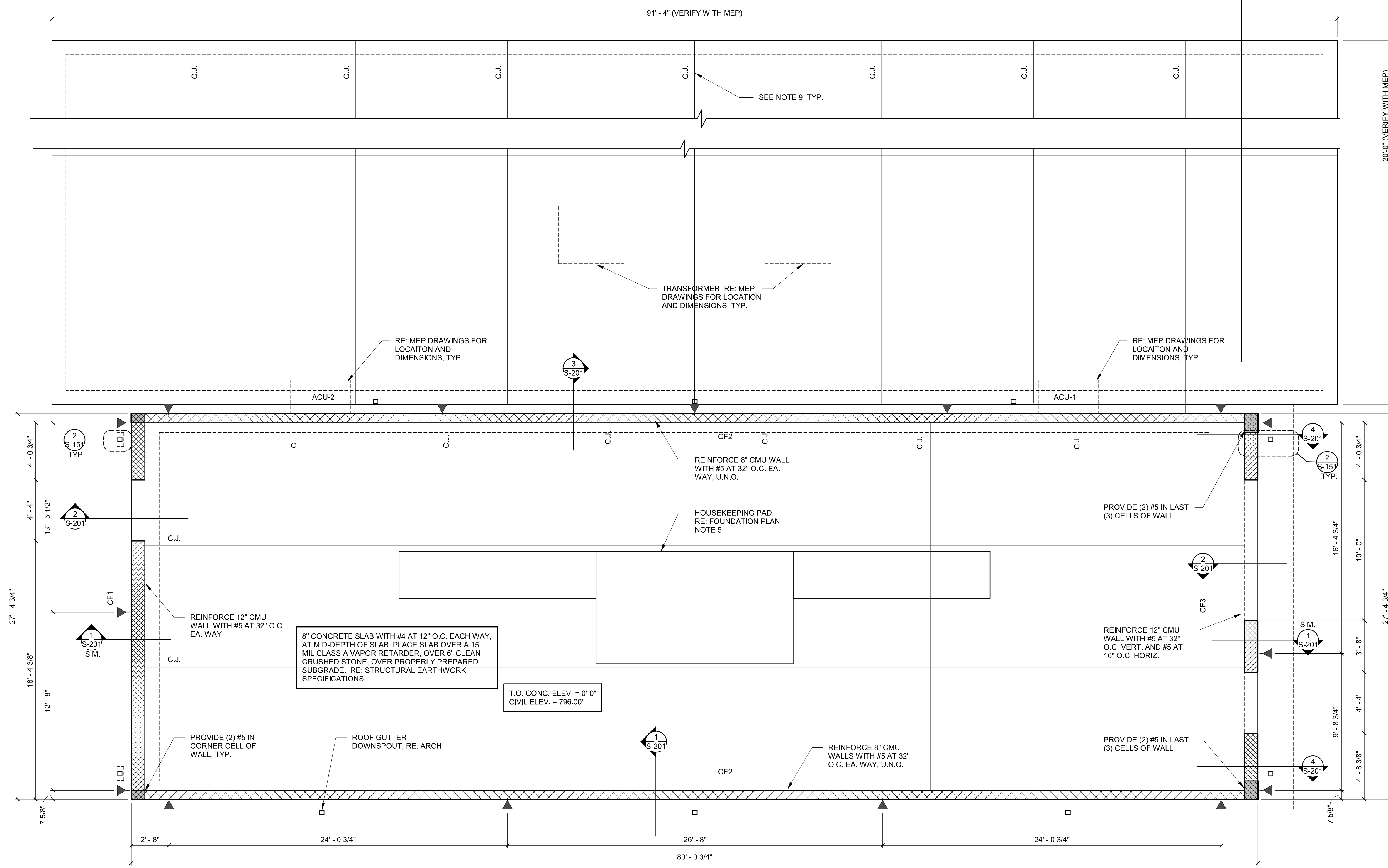
11/22/2019 3:30:56 PM

CONTINUOUS FOOTING SCHEDULE						
MARK	SIZE		REINFORCING (LONG)		INFO	REINFORCING (TRANS.)
	WIDTH	THICKNESS	QUANTITY	SIZE		
CF1	3'-0"	1'-6"	4	#6	T&B	#6@12" O.C.
CF2	2'-0"	1'-0"	3	#5	T&B	#5@12" O.C.
CF3	6'-0"	2'-6"	6	#8	T&B	#8@12" O.C.



FOUNDATION PLAN NOTES

- REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. COORDINATE SLAB ELEVATIONS AND SLOPES WITH ARCHITECTURAL PLANS.
- TOP OF FOOTING ELEVATIONS AT -0'-8" BELOW TOP OF CONCRETE ELEVATION, U.N.O.
- REFERENCE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF SLAB PENETRATIONS.
- THICKEN SLAB AT FLOOR BOXES AND CONDUIT TO MAINTAIN A MINIMUM SLAB THICKNESS AS INDICATED ON FDN. PLAN, RE: ELECTRICAL FOR LOCATIONS.
- HOUSEKEEPING PADS SHALL BE 4" N.W. CONCRETE PAD PLACED ON SLAB, RE: 2/S-142 RE: ELECTRICAL FOR SIZE AND LOCATION OF PADS.
- ALL DIMENSIONS TO WALL ENDS AND WALL OPENINGS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS. ARCHITECT AND ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
- INDICATES CMU CONTROL JOINT, REFERENCE CMU WALL REINFORCING DIAGRAM.
- INDICATES 12" CMU.
- MAXIMUM SPACING OF C.J. AT MECH. PAD = 13'-0".



1 ELECTRICAL BUILDING FOUNDATION PLAN
1/4" = 1'-0"



wallace
Wallace Engineering
Structural Consultants, Inc.
Structural and Civil Consultants
887 West Marietta Street NW, Suite G
Atlanta, Georgia 30318
404.815.4282, 800.354.5858



No.	Description	Date

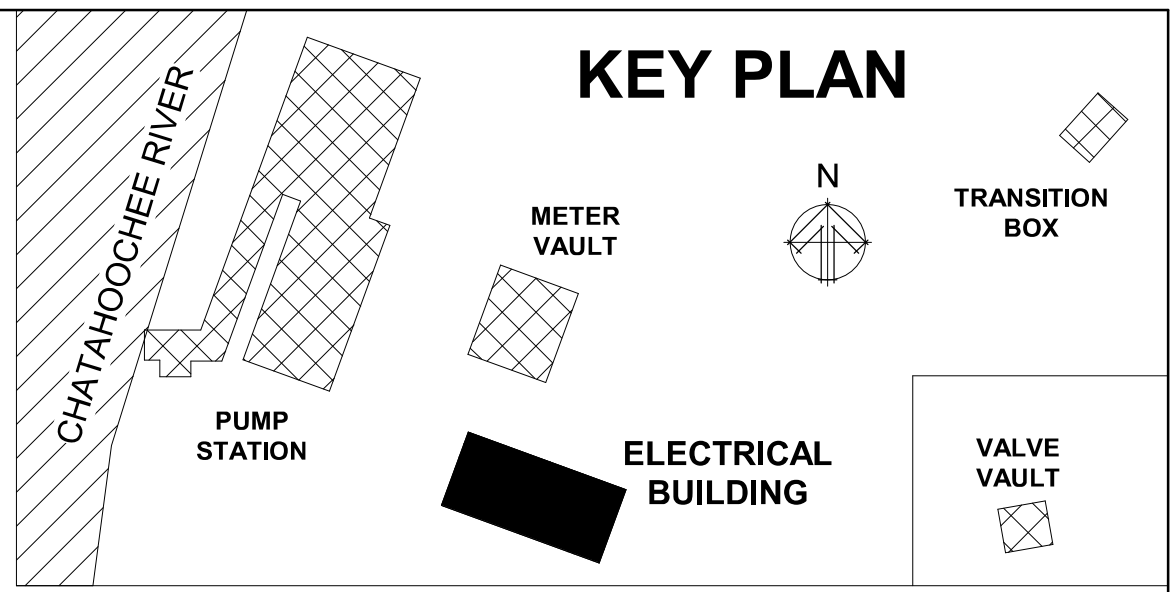
STAMP:
No. 057268
PROFESSIONAL ENGINEER
BRIAN A. APPLETON
2019.12.09 12:10:37-05'00"

ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

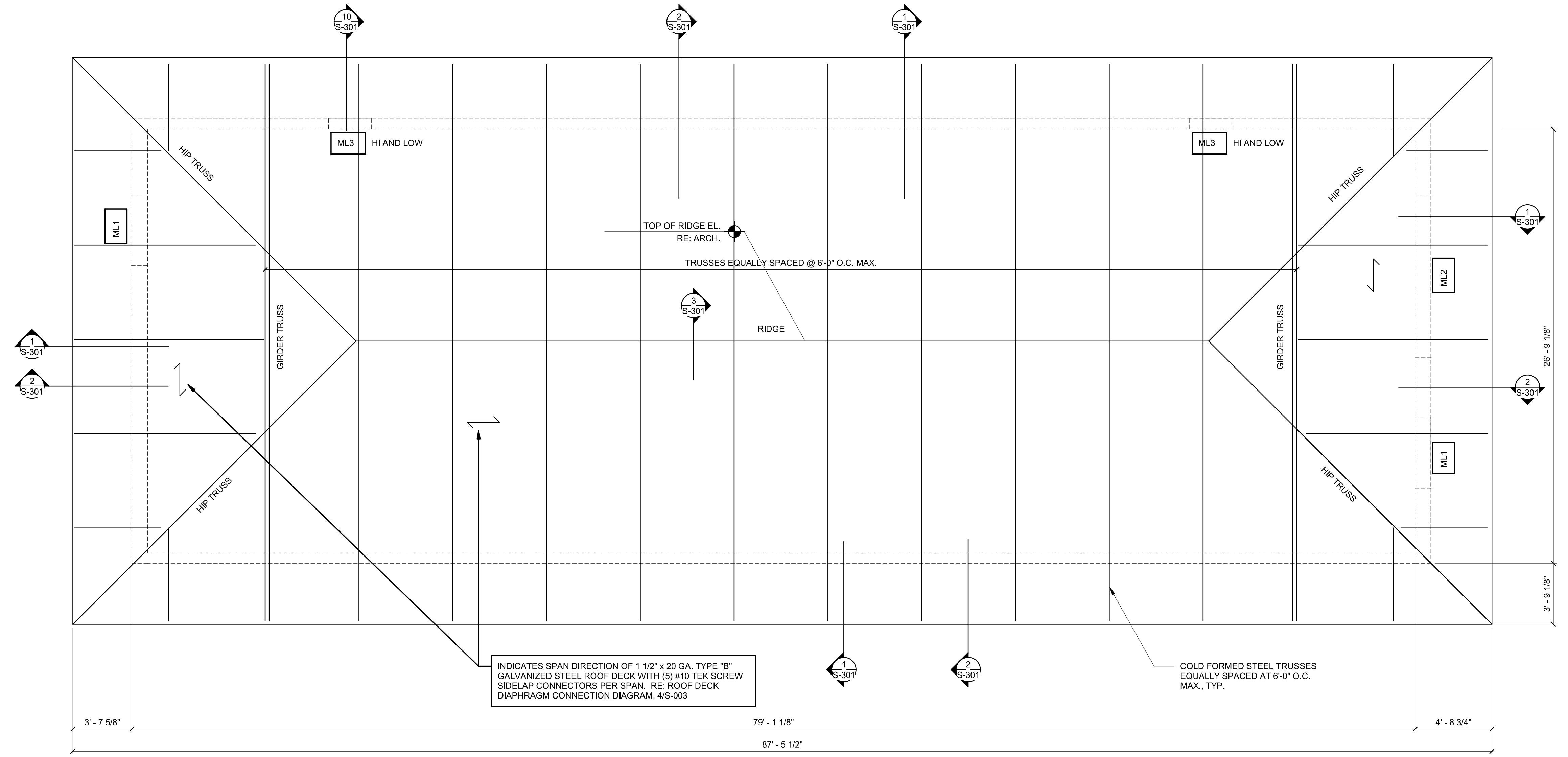
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	MIN
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
ELECTRICAL BUILDING
FOUNDATION PLAN

DRAWING NO.
RI-PS
S-151
SHEET OF



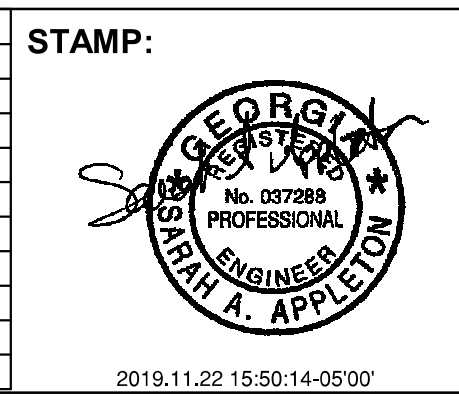
- ROOF FRAMING PLAN NOTES**
- RE: 5/S-004 FOR PRE-FABRICATED COLD FORMED STEEL TRUSS LOADING DIAGRAMS.
 - TRUSS BEARING POINTS SHALL BE DESIGNED AS PINNED.
 - TRUSS CHORDS SHALL BE 18 GAGE OR HEAVIER.
 - TRUSS SPACINGS SHALL BE AS SHOWN ON PLAN, NOT TO EXCEED 72" O.C.
 - MAXIMUM TRUSS TOTAL LOAD DEFLECTION SHALL NOT EXCEED SPAN/240 FOR TOTAL LOADS AND SPAN/360 FOR LIVE LOADS.
 - MATERIAL SHALL BE GALVANIZED.
 - PROVIDE TEMPORARY AND PERMANENT, PRIMARY AND SECONDARY BRACING FOR TRUSSES TO ENSURE THE STABILITY OF THE TRUSSES AND THEIR COMPONENTS.
 - TRUSS MANUFACTURER SHALL DESIGN THE TRUSSES, BRACES, PURLINS AND CONNECTIONS TO MEET THE DESIGN CRITERIA SHOWN.
 - THE COLD FORMED TRUSS MANUFACTURER SHALL PROVIDE BOTTOM CHORD BRACING FOR UPLIFT.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND DIMENSIONS OF THE ROOF.
 - WELDING OF COLD FORMED METAL SHALL BE IN ACCORDANCE WITH AWS D1.3.
 - TRUSS DESIGNS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. SHOP DRAWINGS SUBMITTALS (INCLUDING DRAWINGS AND CALCULATIONS) SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. INCLUDE SERVICE AND ULTIMATE LOAD TRUSS REACTIONS ON THE SHOP DRAWINGS FOR ALL LOAD COMBINATIONS. INDICATE WHICH LOAD COMBINATION APPLIES THE LARGEST LOAD TO THE STRUCTURE.
 - SHOP DRAWINGS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD PRIOR TO TRUSS FABRICATION.
 - REFER TO THE MECHANICAL DRAWINGS FOR EQUIPMENT/DUCTWORK WITHIN THE TRUSS PROFILES AND COORDINATE THE TRUSS LOCATIONS AND TRUSS-WEB CONFIGURATIONS TO ACCOMMODATE.
 - NO HANGING LOADS SHALL BE APPLIED TO ROOF DECK.
 - ATTACH ROOF DECK TO SUPPORTS PER THE ROOF DECK DIAPHRAGM CONNECTION DIAGRAM.
 - REFERENCE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF DECK PENETRATIONS.
 - ML# INDICATES MASONRY LINTEL, RE: 2/S-005.
 - TRUSS BEARING ELEVATION = 14'-8"



1 ELECTRICAL BUILDING ROOF FRAMING PLAN
1/4" = 1'-0"



No.	Description	Date



ADDRESS:
BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
ATLANTA, GA 30328
(707) 569-7038 x101
FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	MIN
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	1/4" = 1'-0"

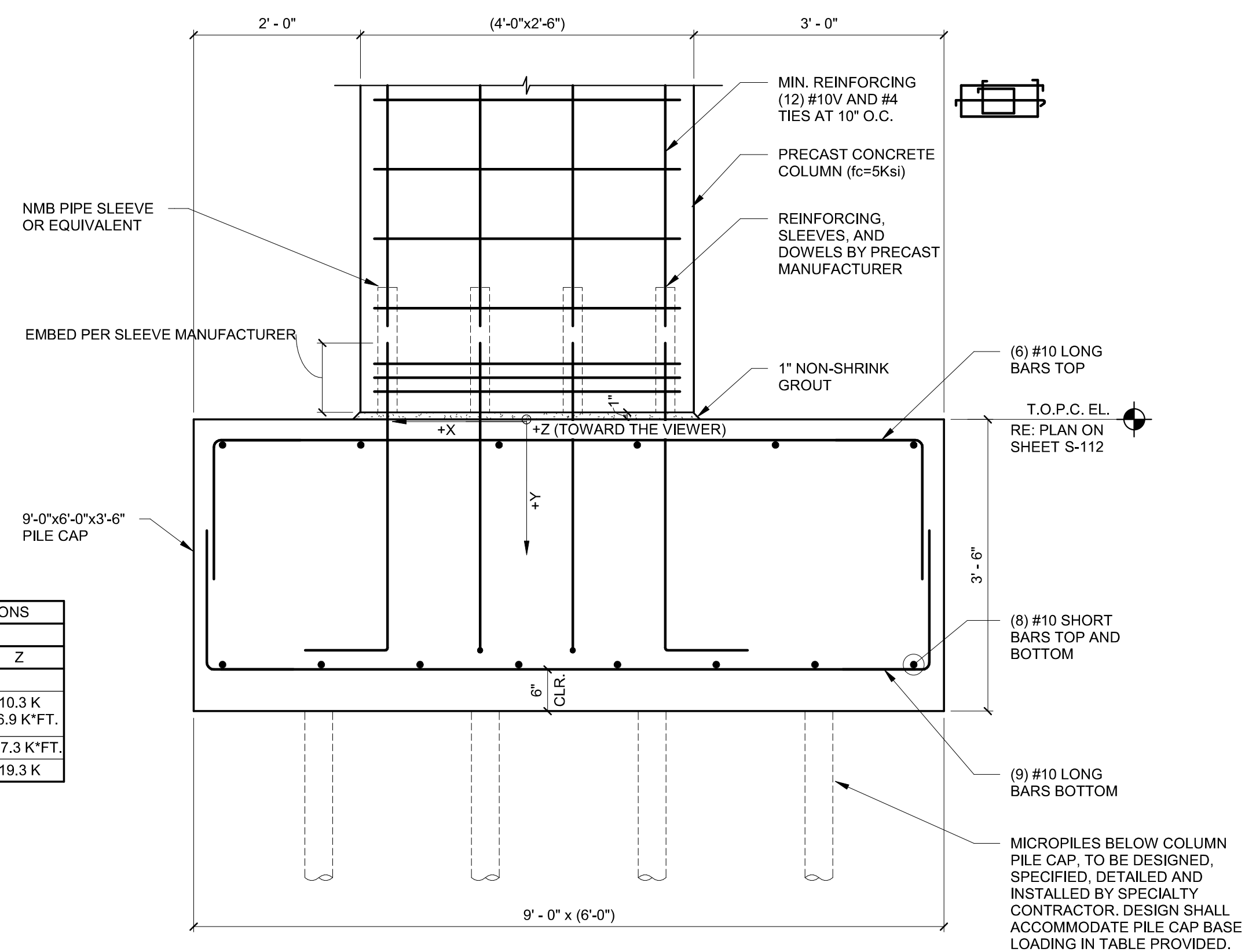
CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
ELECTRICAL BUILDING
ROOF FRAMING PLAN

DRAWING NO.
RI-PS
S-152
SHEET OF

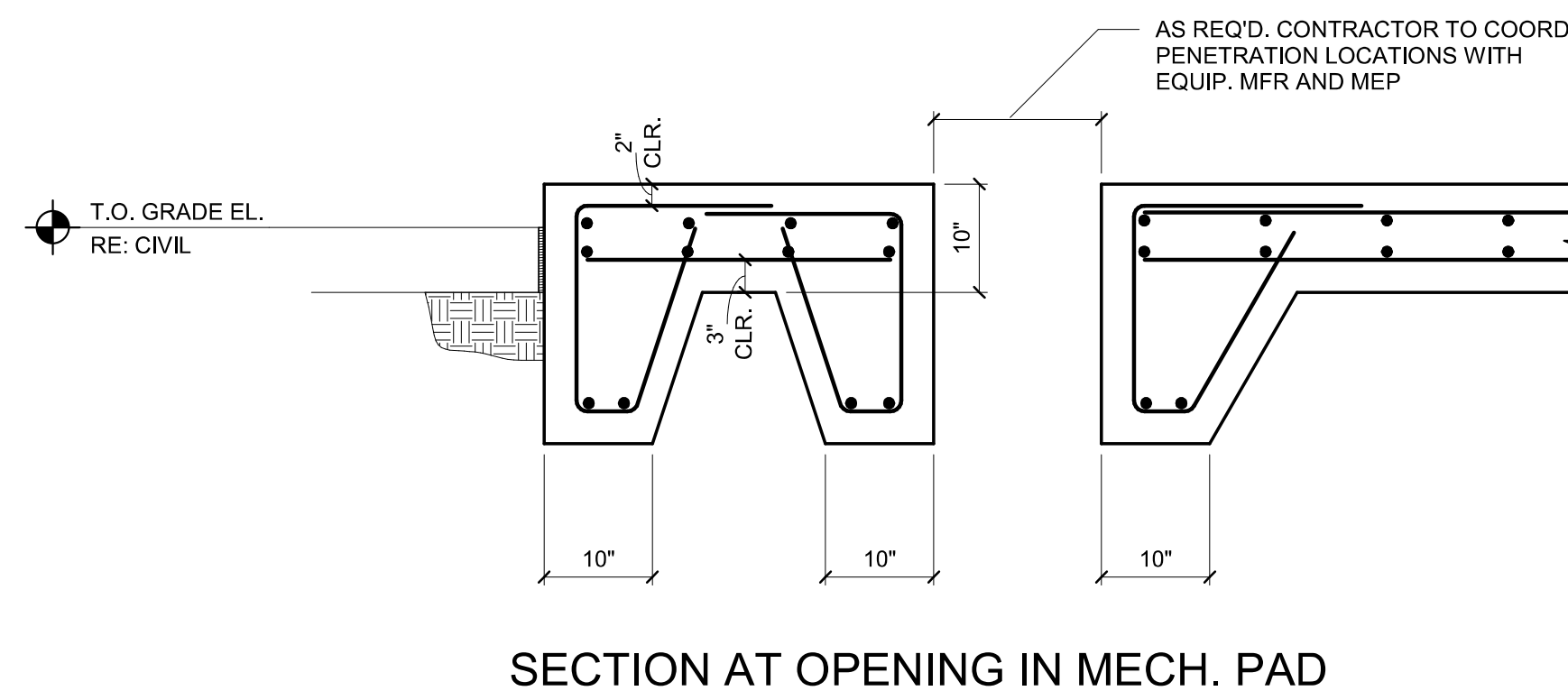
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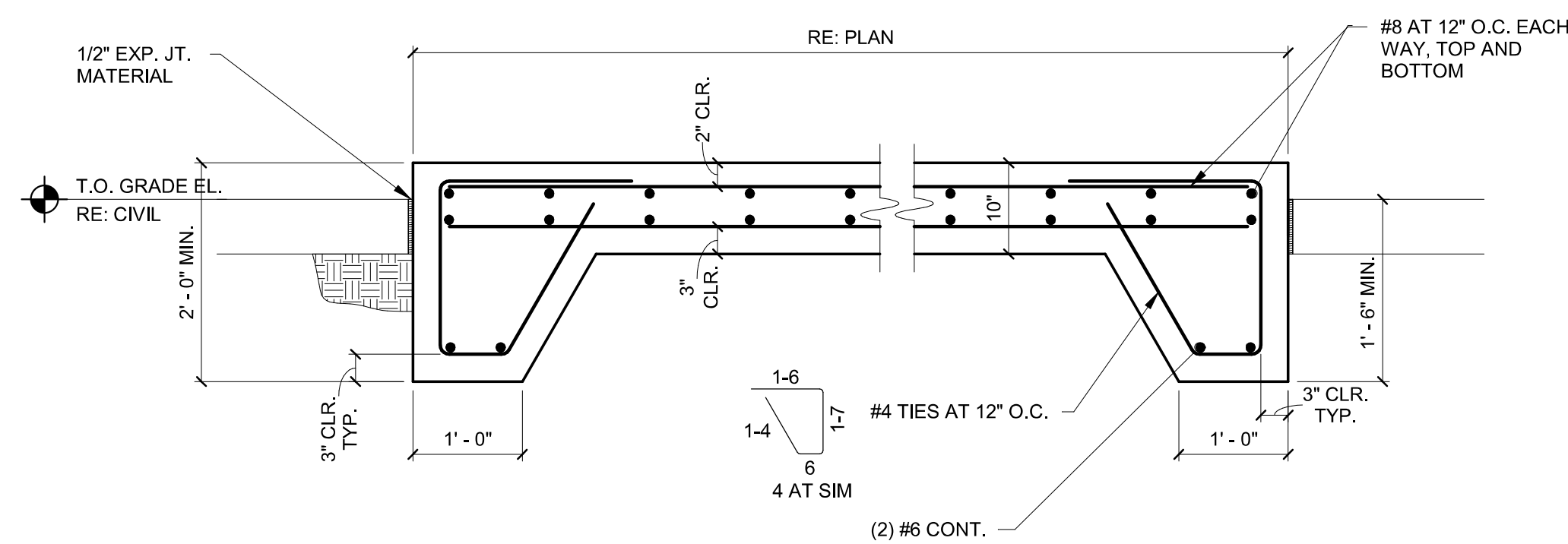
LOAD CASE	LOAD AXIS		
	X	Y	Z
DEAD		104.4 K	
LIVE	12.1 K	101.9 K	10.3 K
WIND-X	20.2 K		1127.3 K*FT.
WIND-Z	449.6 K*FT.		19.3 K



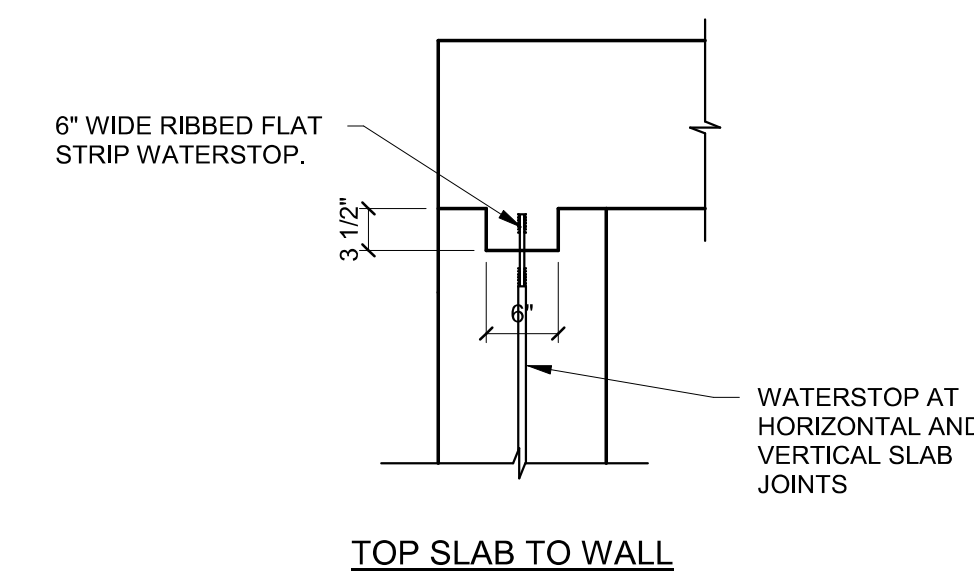
7 FOUNDATION SECTION
3/4" = 1'-0"



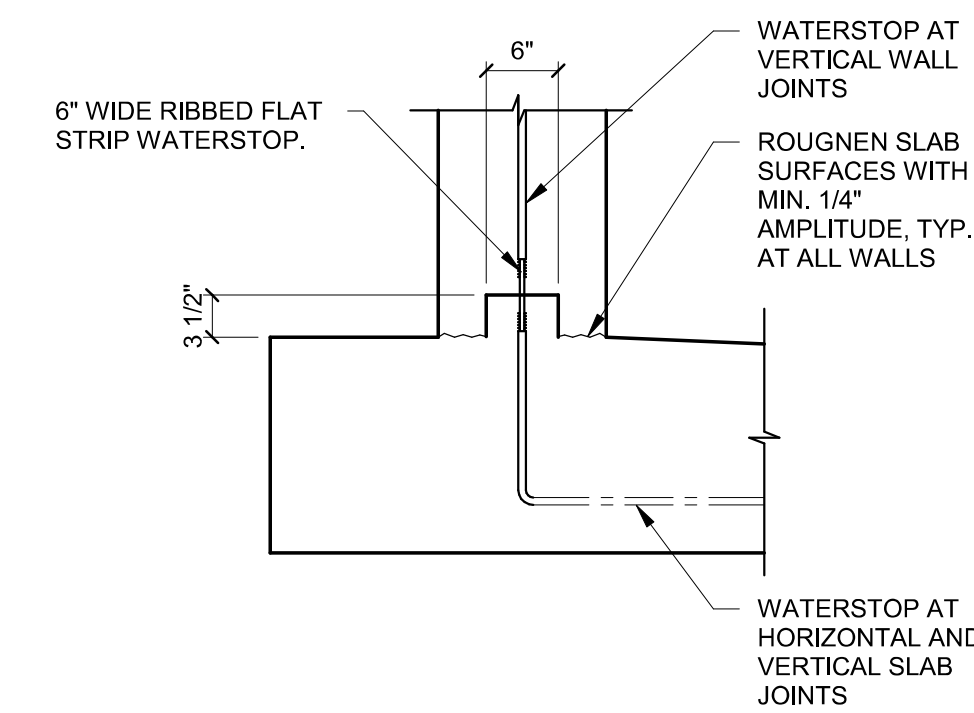
SECTION AT OPENING IN MECH. PAD



6 SECTION AT MECH. PAD
3/4" = 1'-0"

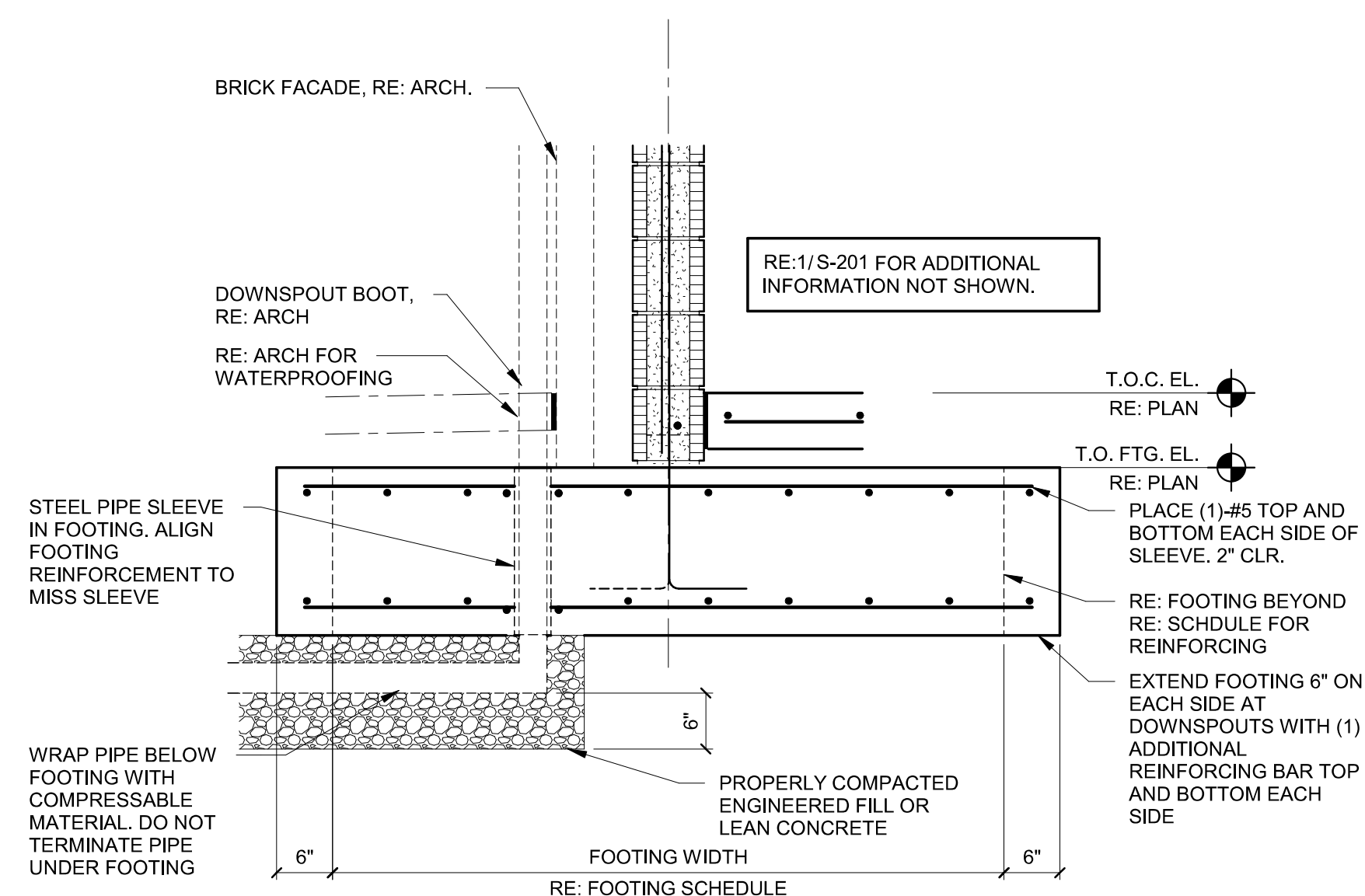


TOP SLAB TO WALL

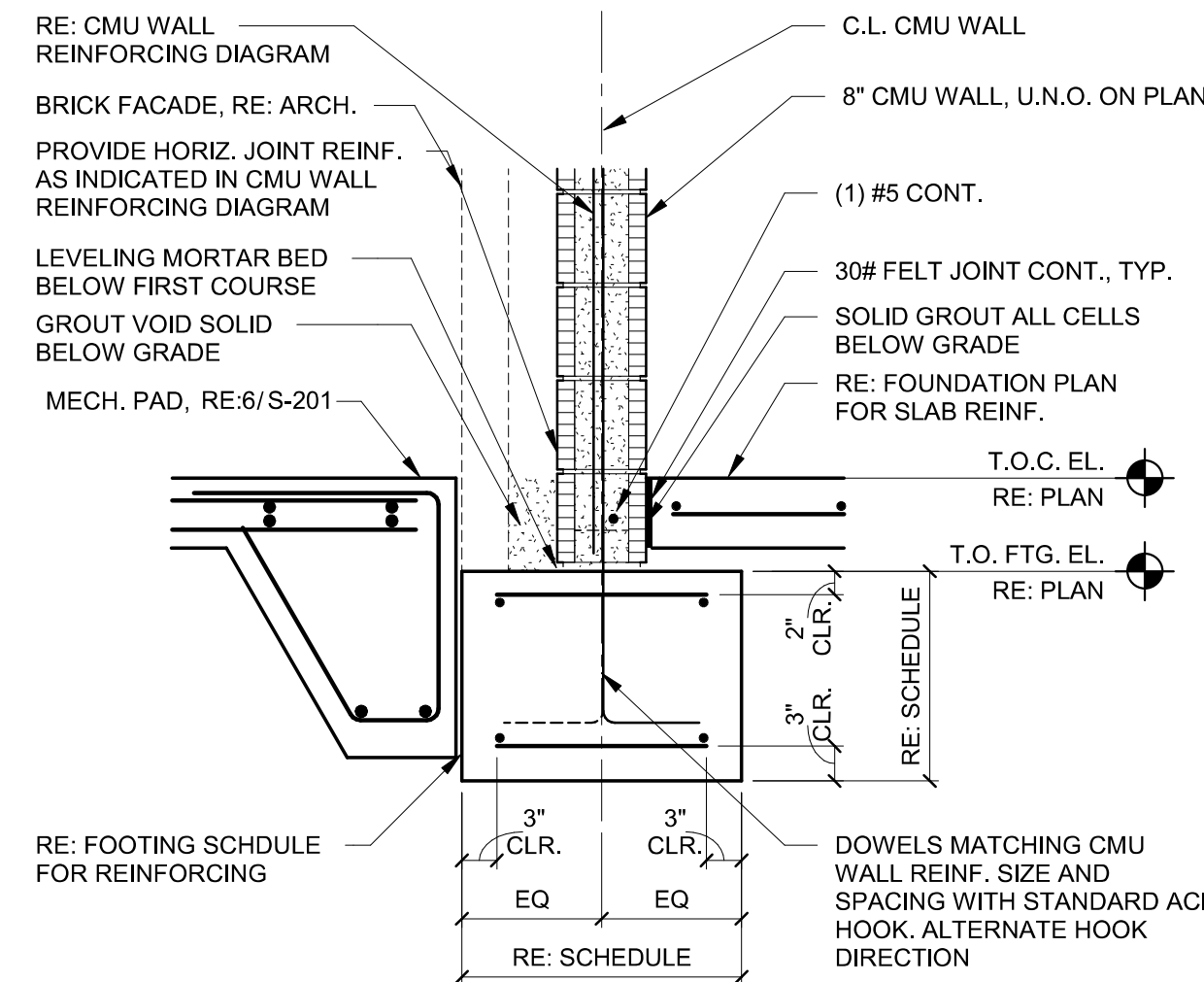


WALL TO FOUNDATION

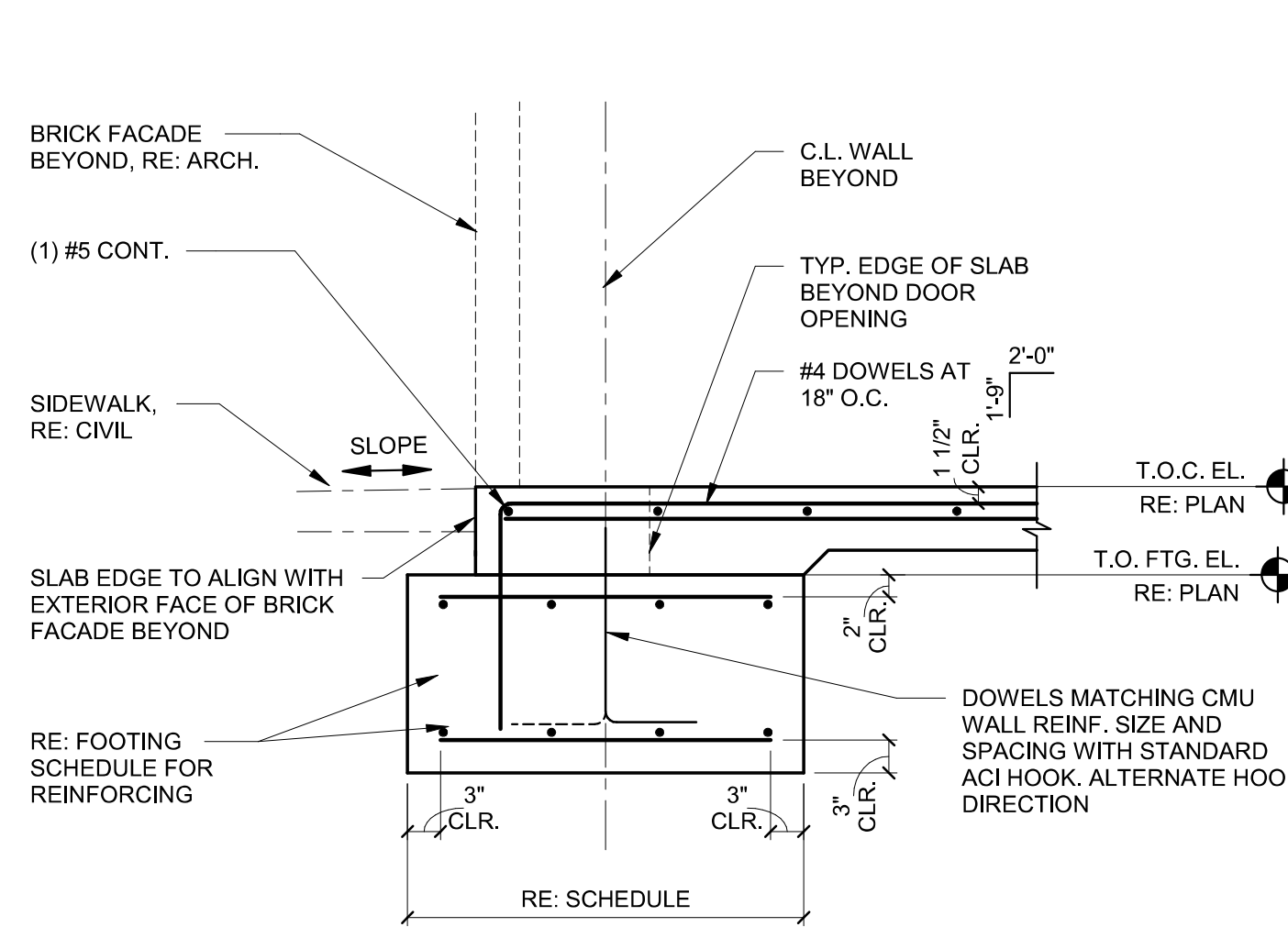
5 CONSTRUCTION JOINT DETAIL
3/4" = 1'-0"



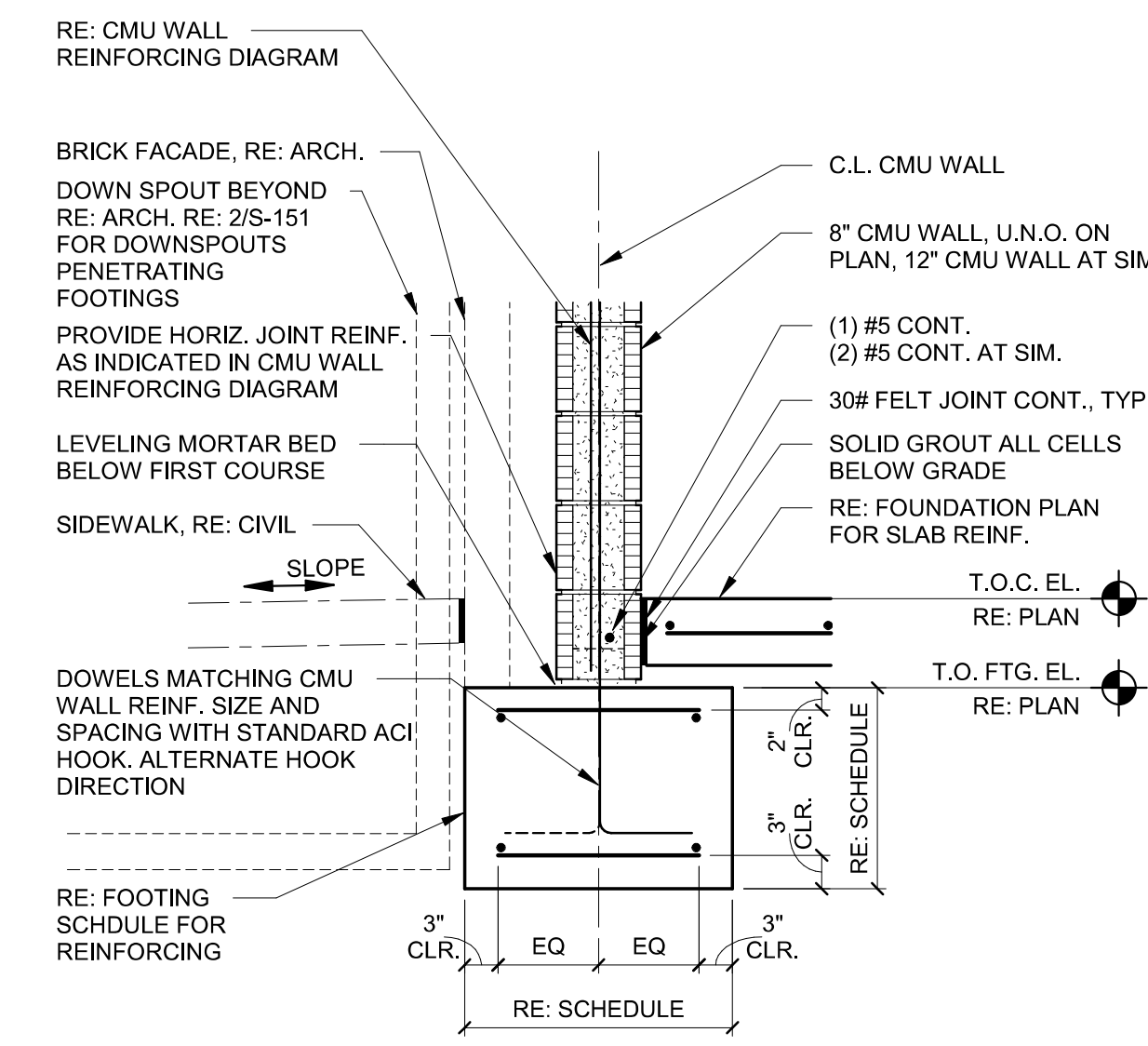
4 SECTION AT DOWNSPOUT
3/4" = 1'-0"



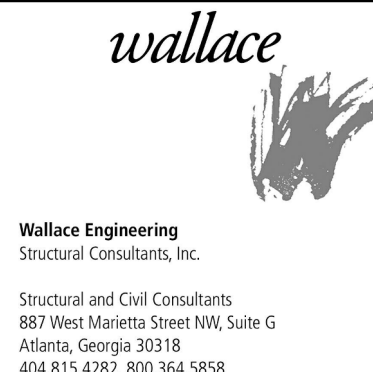
3 SECTION AT REAR WALL FOOTING
3/4" = 1'-0"



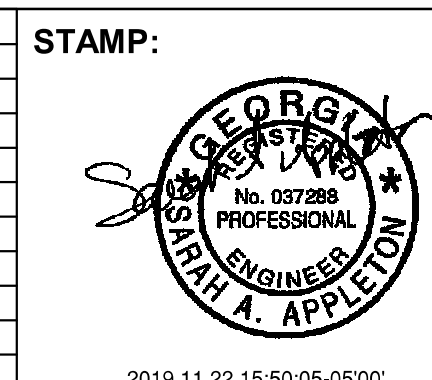
2 SECTION AT DOOR THRESHOLD
3/4" = 1'-0"



1 SECTION AT WALL FOOTING
3/4" = 1'-0"



No.	Description	Date



ADDRESS:
BGR2-JV
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SUITE 1600
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FAX: (707) 993-5082

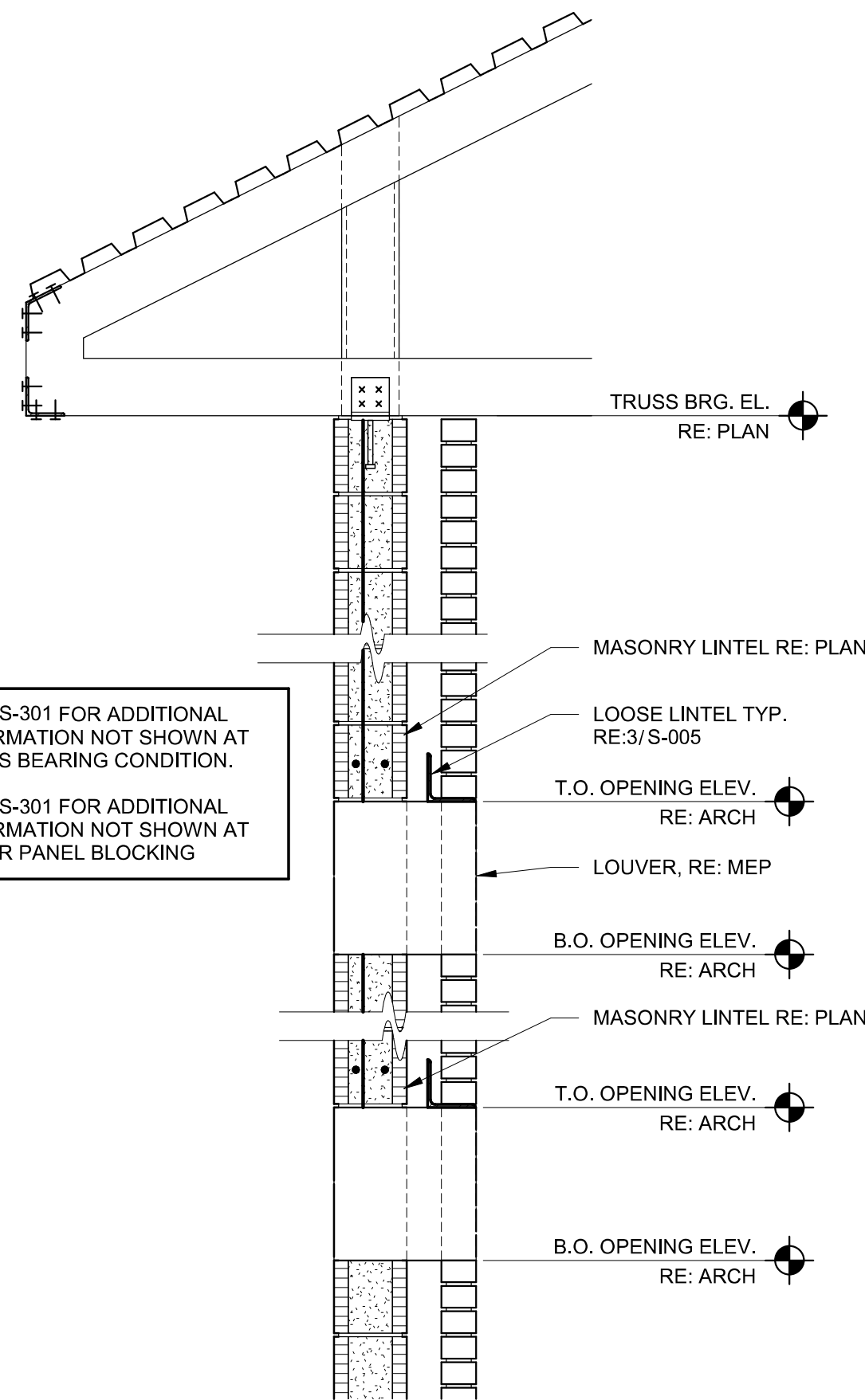
PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	LRA
CHECKED BY:	SAA
DATE:	11/22/2019
SCALE:	3/4" = 1'-0"

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1

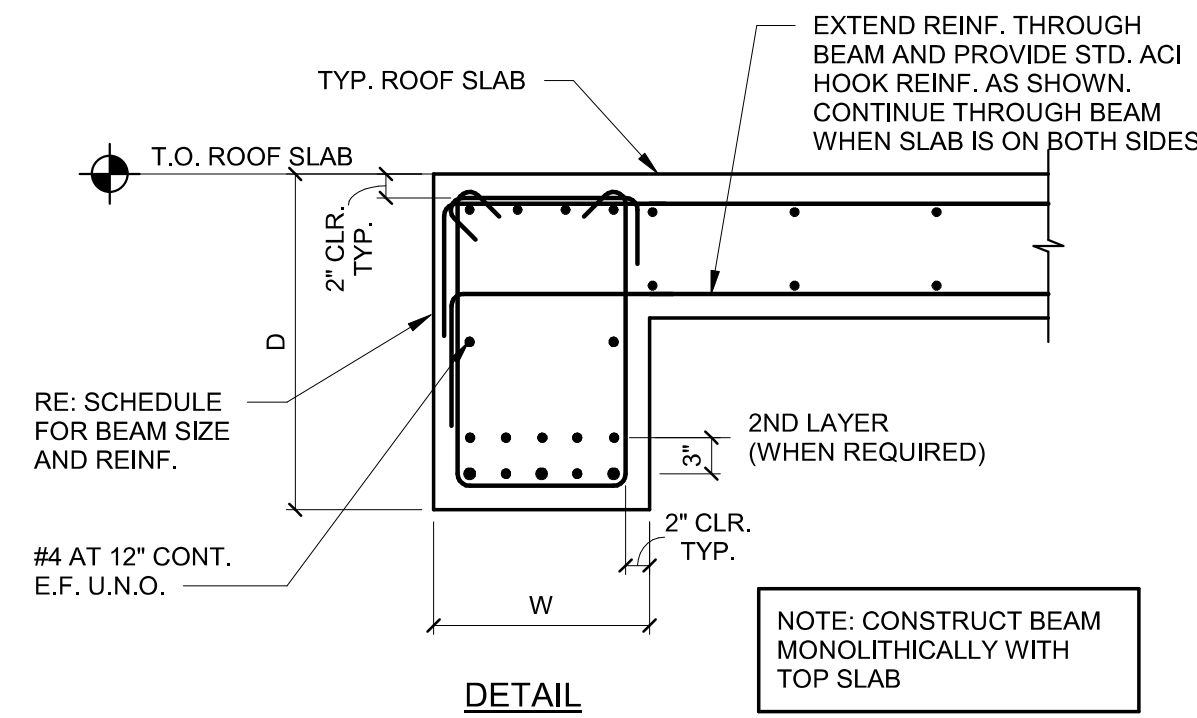
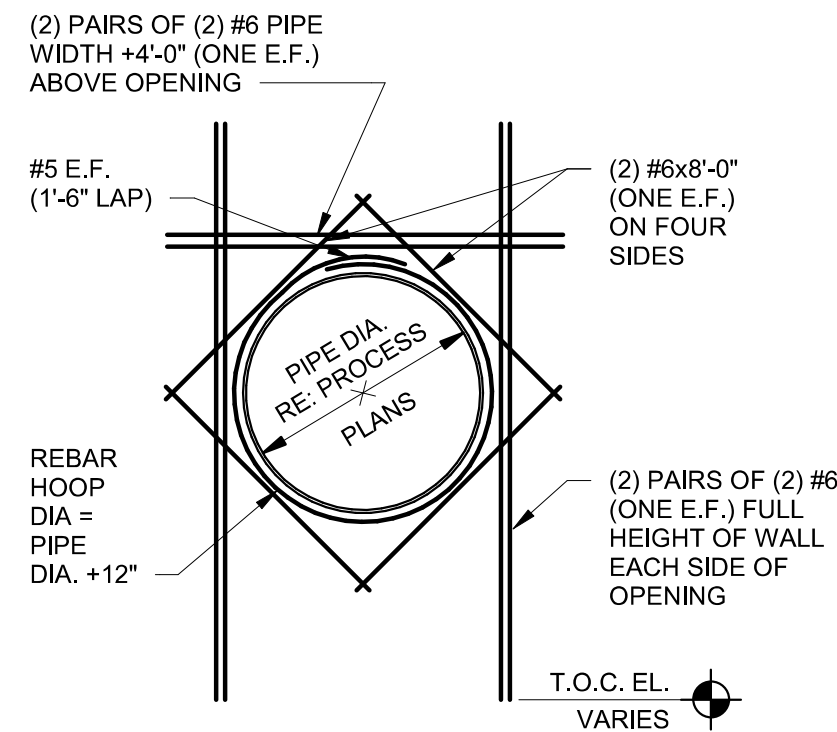
RIVER INTAKE PUMP STATION

FOUNDATION DETAILS

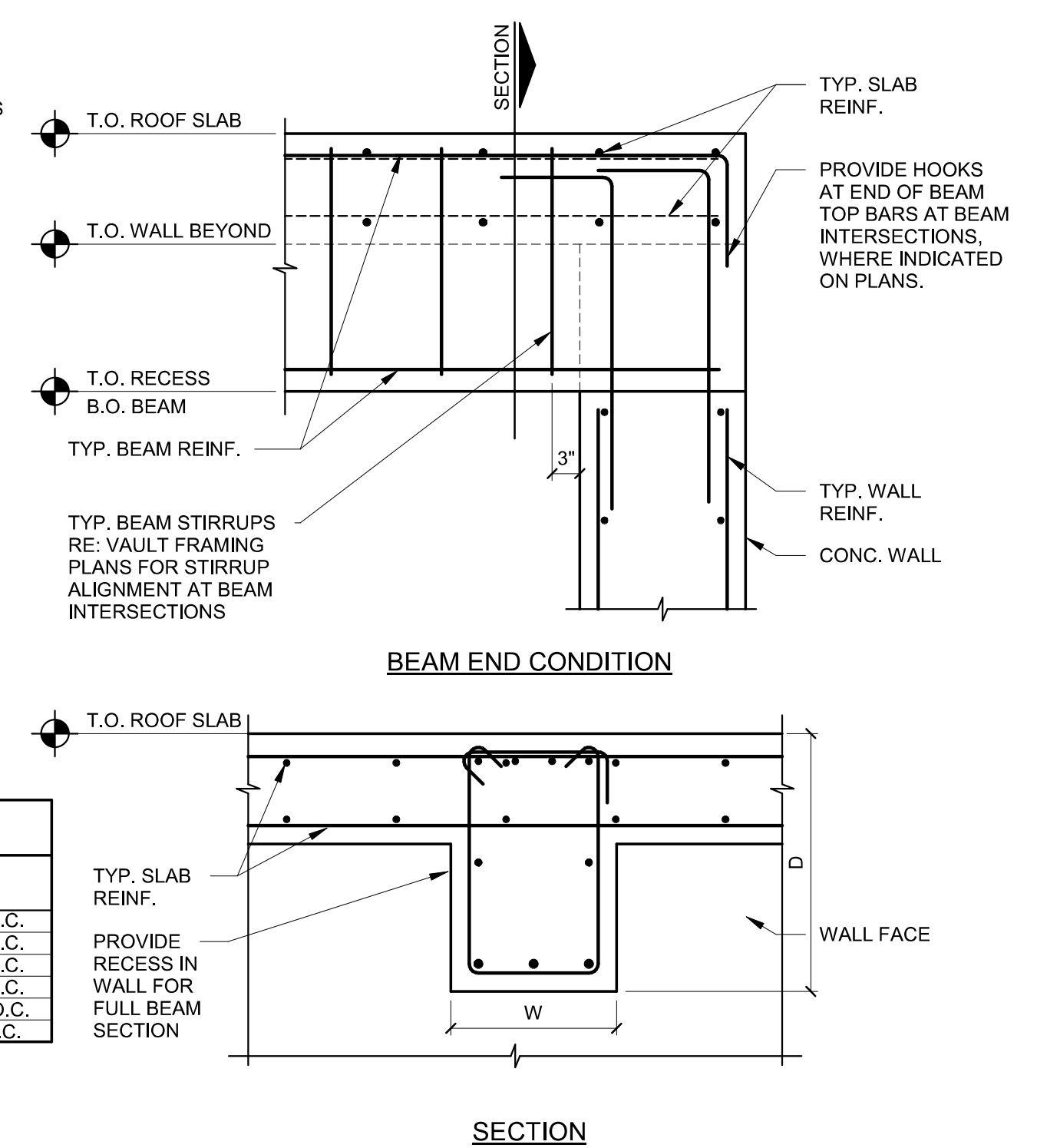
DRAWING NO.	RI-PS
	S-201
SHEET OF	



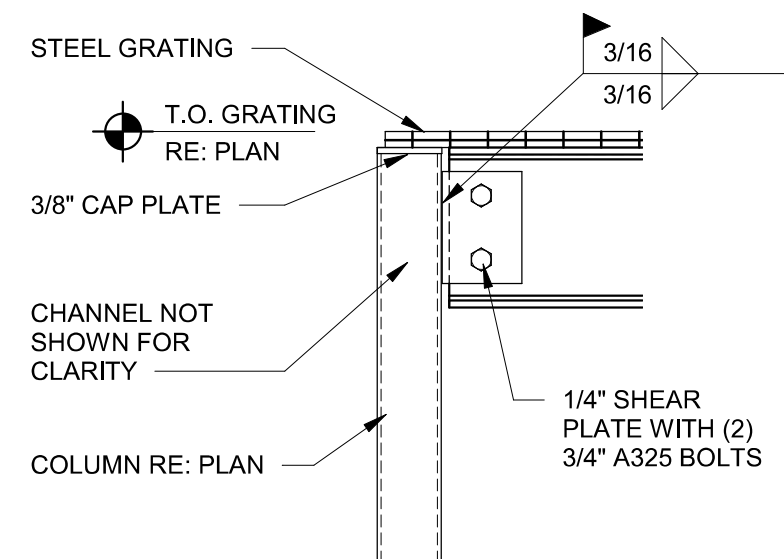
9 OPENING SECTION
3/16" = 1'-0"



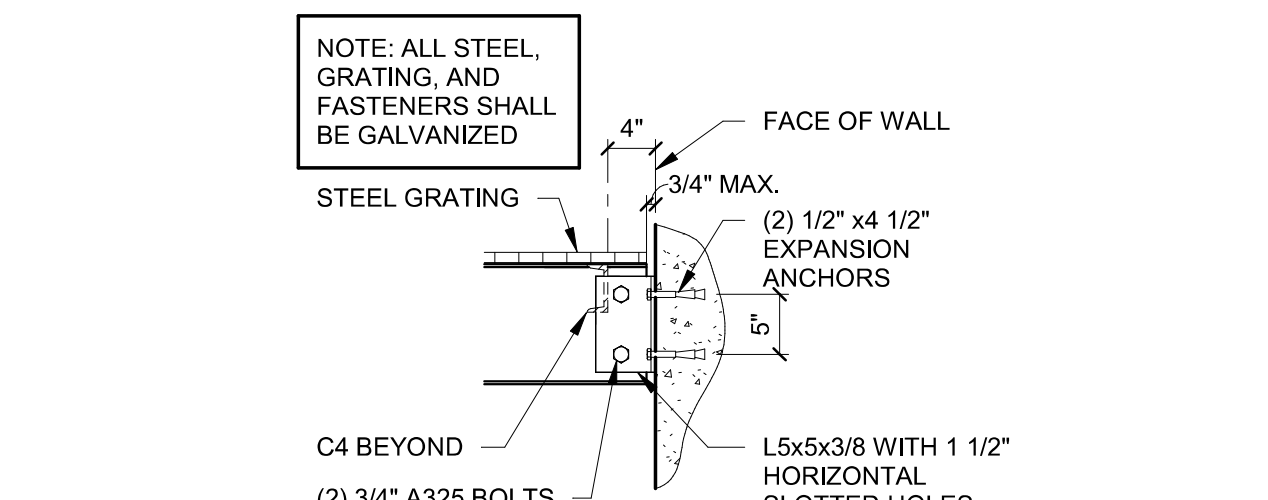
ROOF BEAM SCHEDULE						
MARK	SIZE (WxD)	BOTTOM REINF.	2ND BOT. LAYER	TOP REINF.	STIRRUPS	
BV1	36x16	(9) #7	N.A.	(4) #5	#4	(1) AT 3\"/>
BV2	36x12	(6) #6	N.A.	(6) #5	#4	(1) AT 3\"/>
BV3	24x16	(6) #7	N.A.	(3) #5	#4	(1) AT 3\"/>
BM1	24x32	(7) #9	(7) #9	(4) #5	#4	(1) AT 3\"/>
BM2	46x24	(8) #6	N.A.	(8) #5	#4	(1) AT 3\"/>
BM3	12x12	(3) #5	N.A.	(3) #5	#4	(1) AT 3\"/>



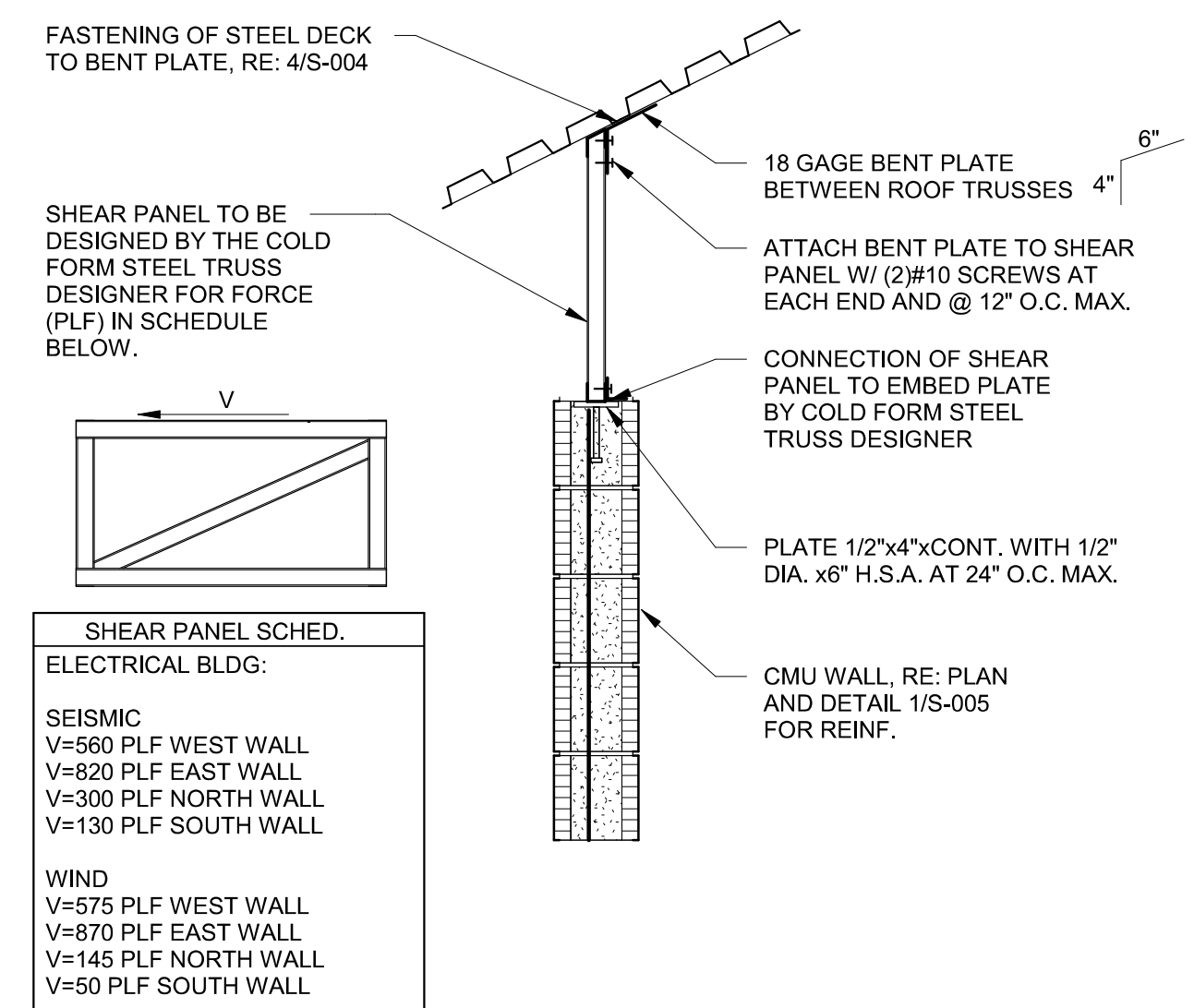
10 SECTION AT REAR WALL PENETRATION
3/4" = 1'-0"



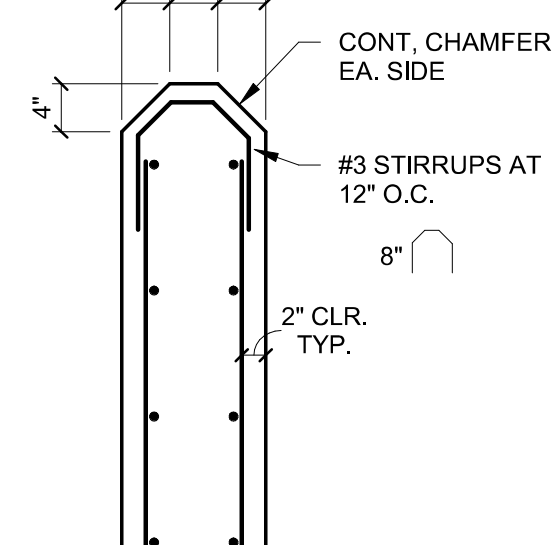
8 FRAMING SECTION
1" = 1'-0"



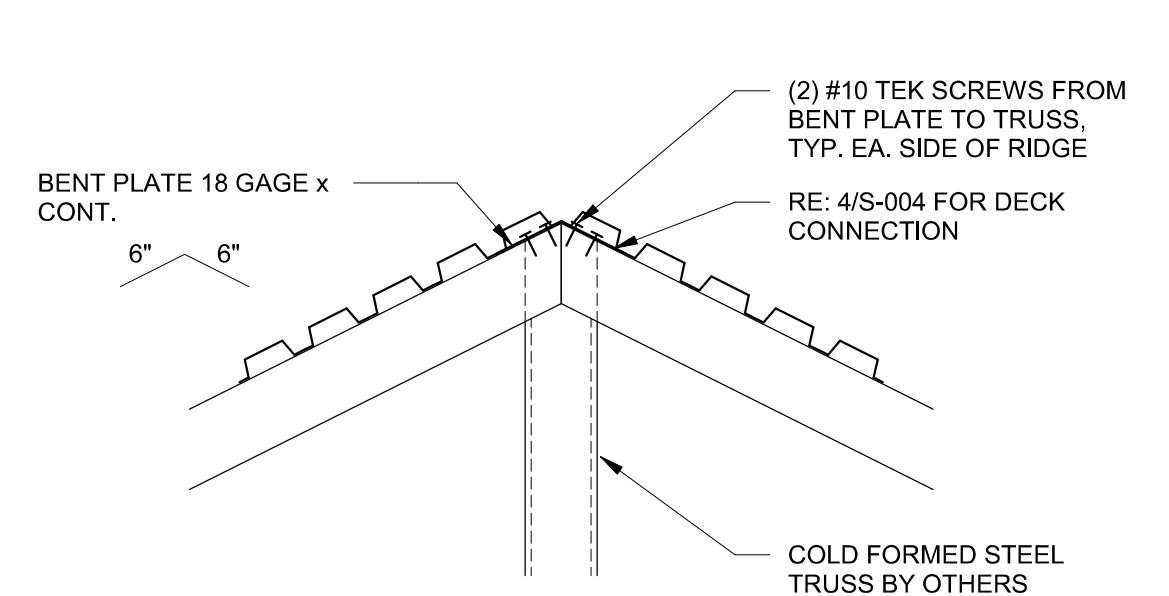
7 ROOF BEAM SCHEDULE AND DETAILS
3/4" = 1'-0"



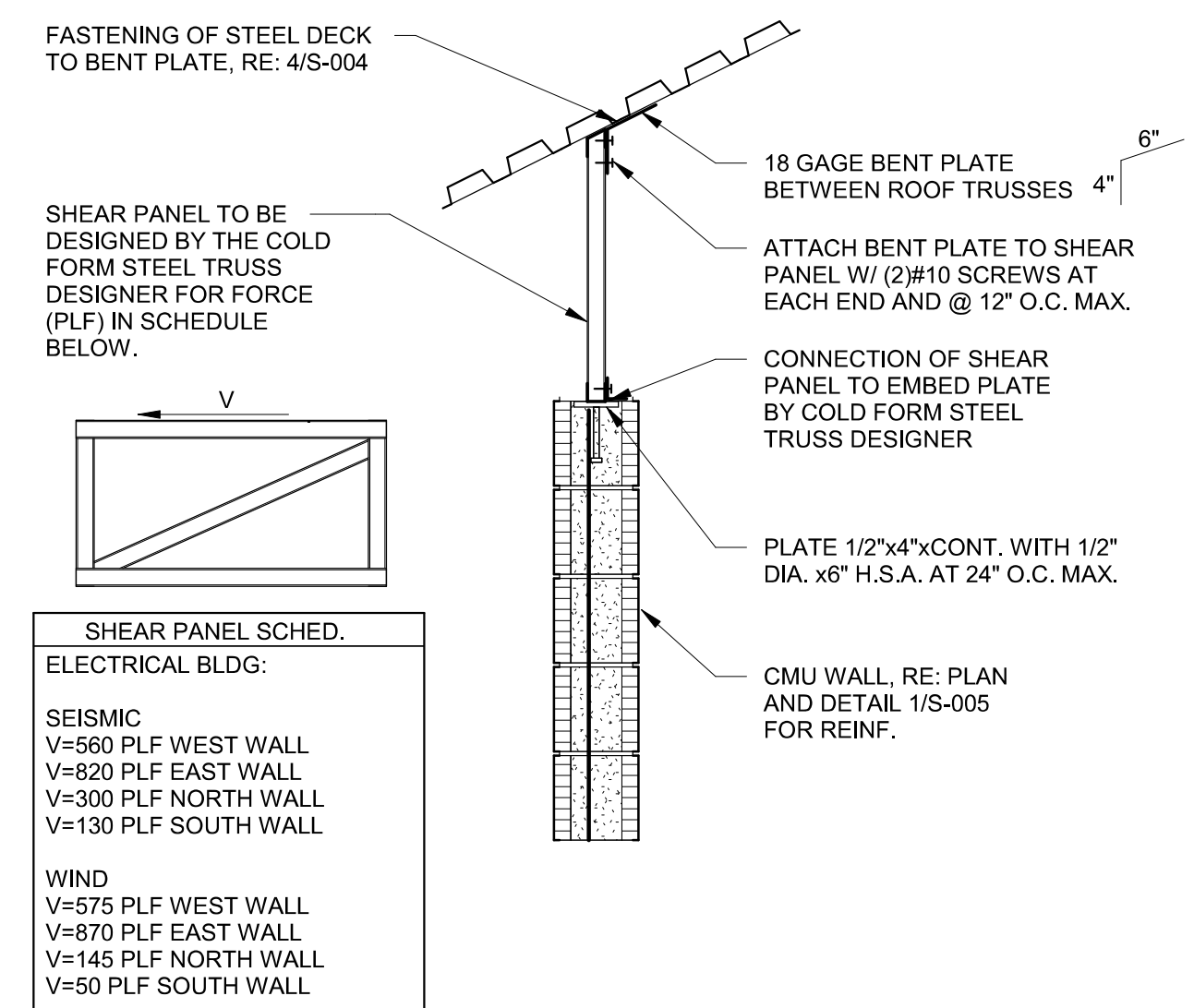
6 FRAMING SECTION
1" = 1'-0"



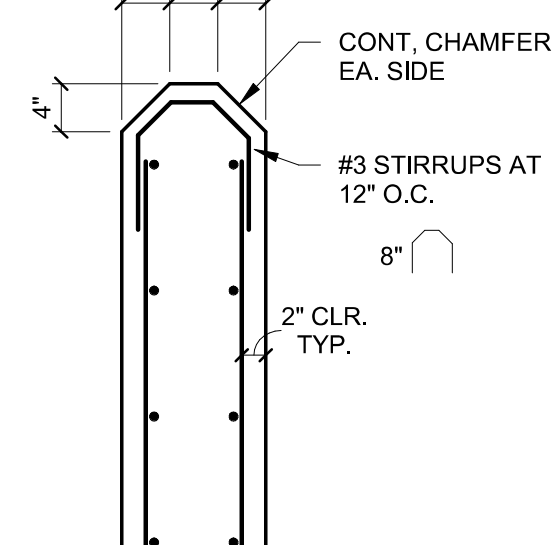
5 FRAMING DETAIL
3/4" = 1'-0"



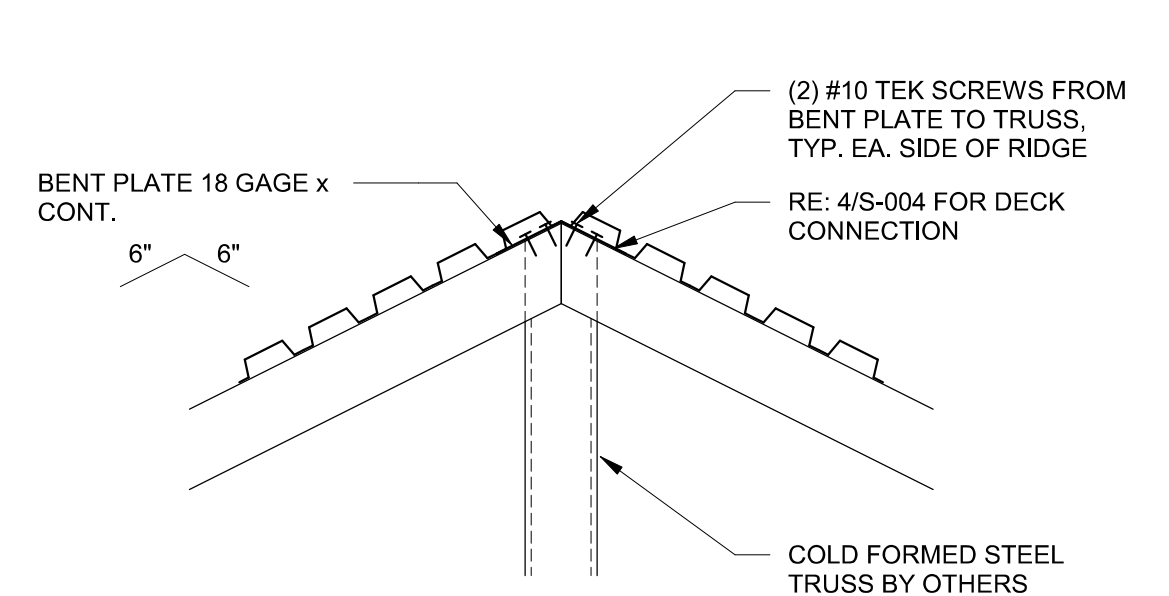
2 TRUSS BLOCKING SHEAR PANEL
3/4" = 1'-0"



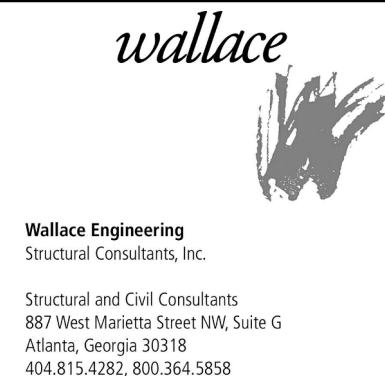
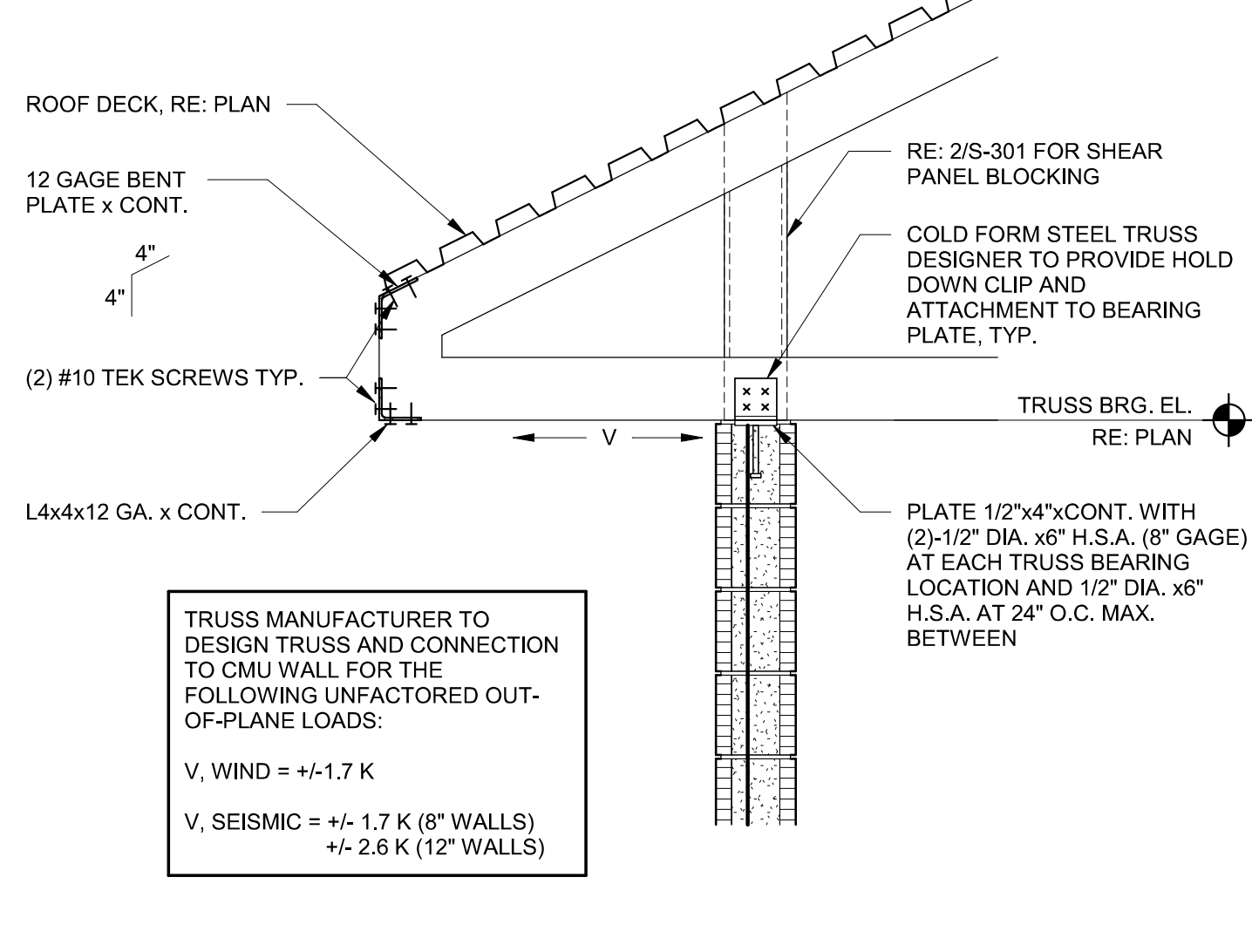
4 WEIR PLATE CONNECTION DETAIL
3/4" = 1'-0"



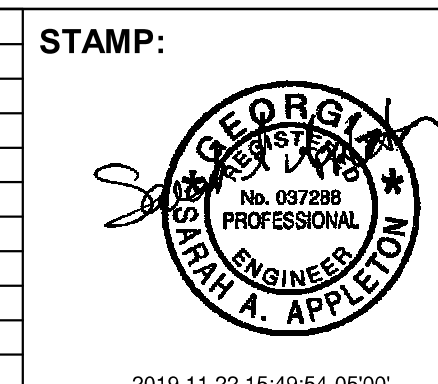
3 RIDGE / HIP DETAIL
3/4" = 1'-0"



1 SECTION AT TRUSS BEARING
3/4" = 1'-0"



No.	Description	Date



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BGR2-JV
6 CONCOURSE PARKWAY
SUITE 1600
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FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	MIN
DRAWN BY:	JJM
CHECKED BY:	RGR/SAA
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1

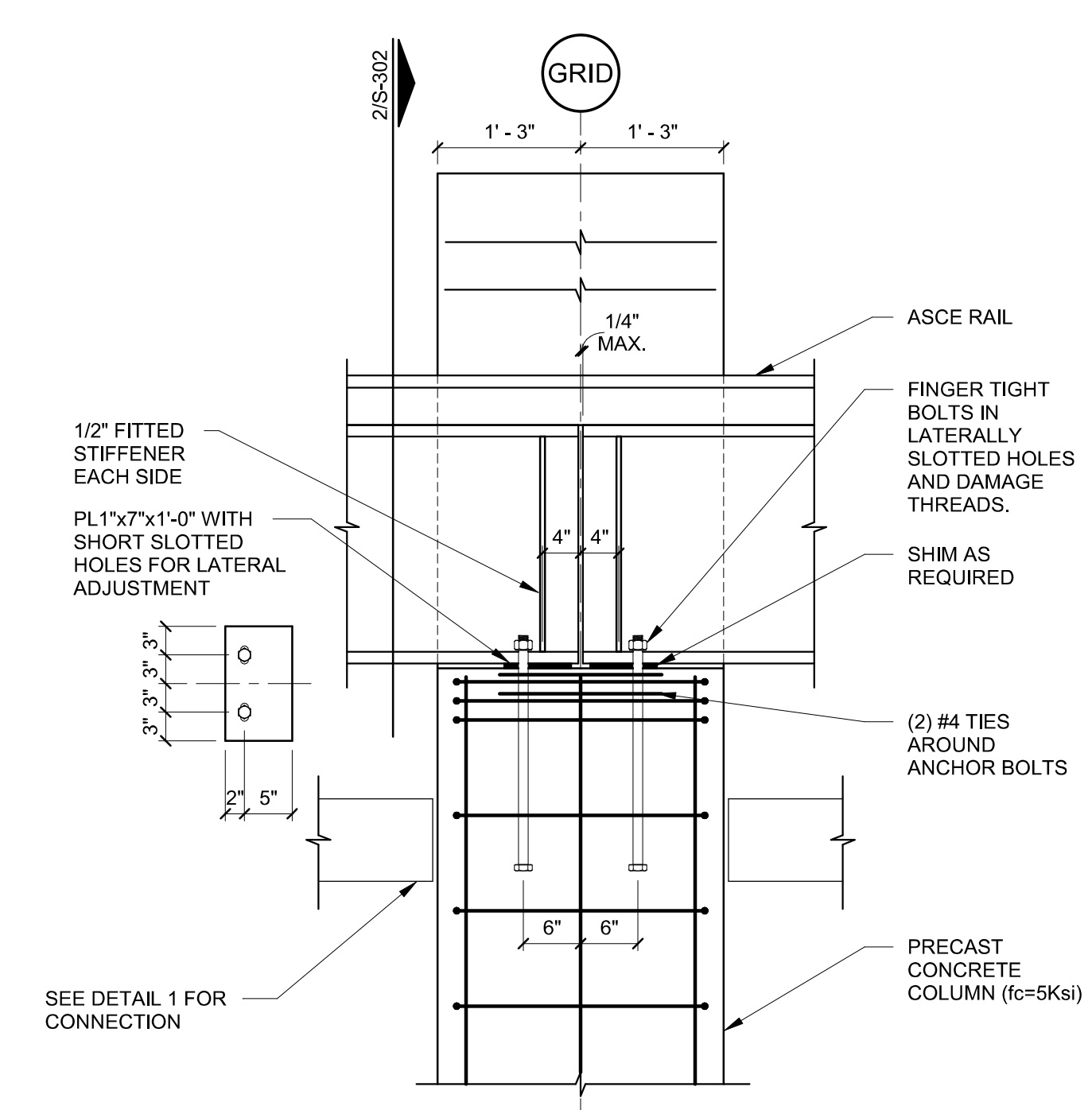
RIVER INTAKE PUMP STATION

FRAMING DETAILS

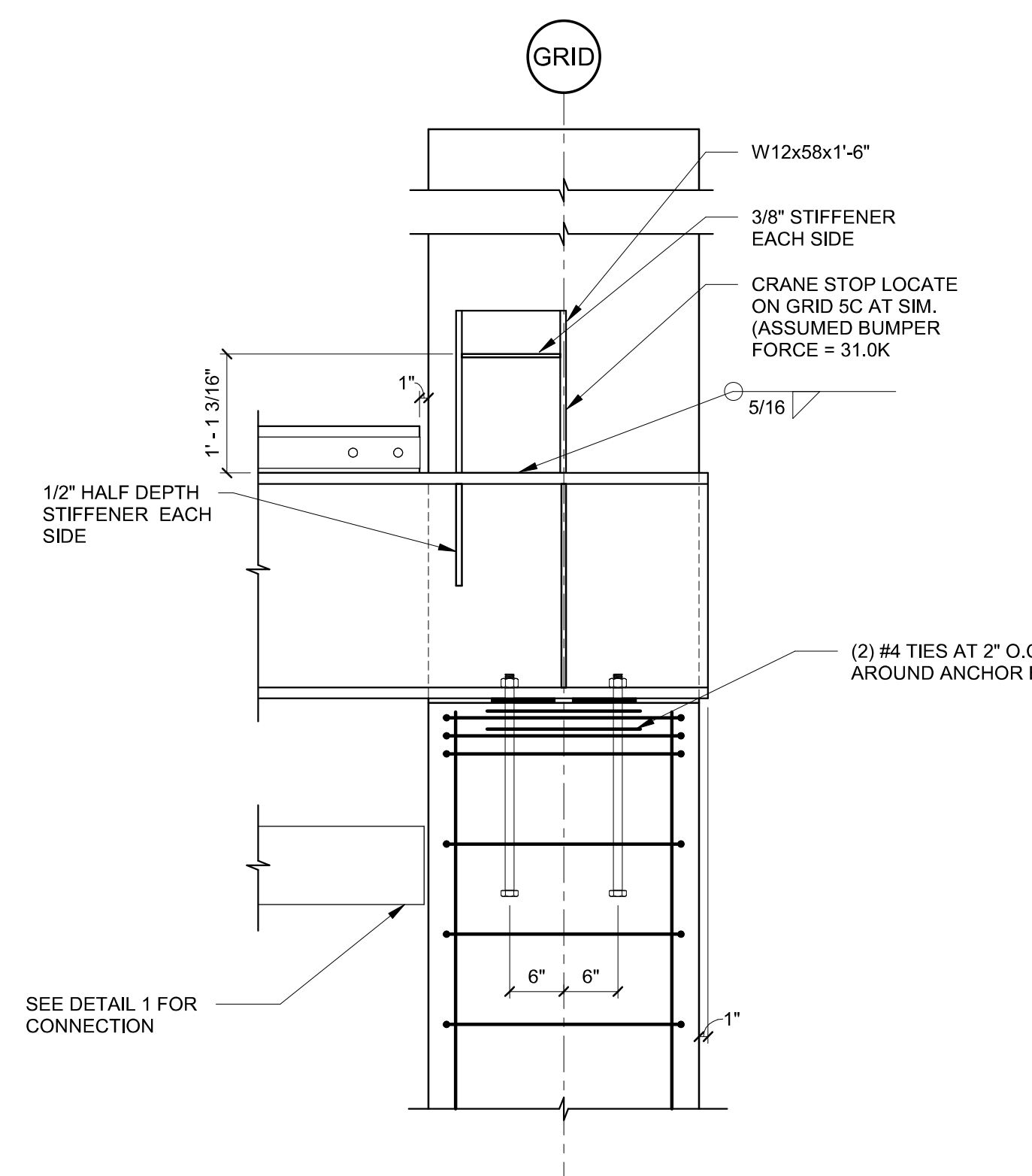
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RI-PS
S-301
SHEET OF

ISSUED FOR BIDDING

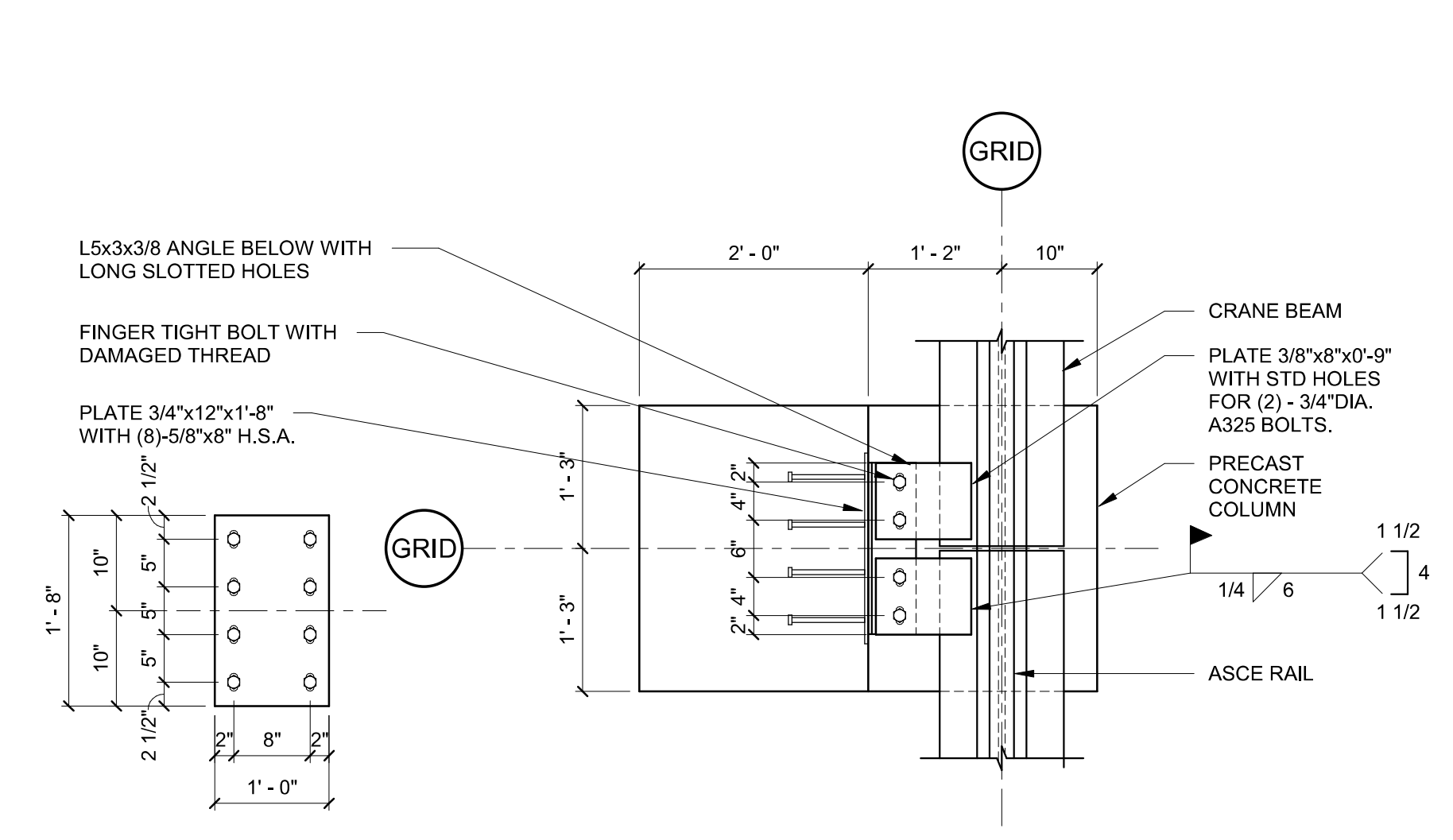
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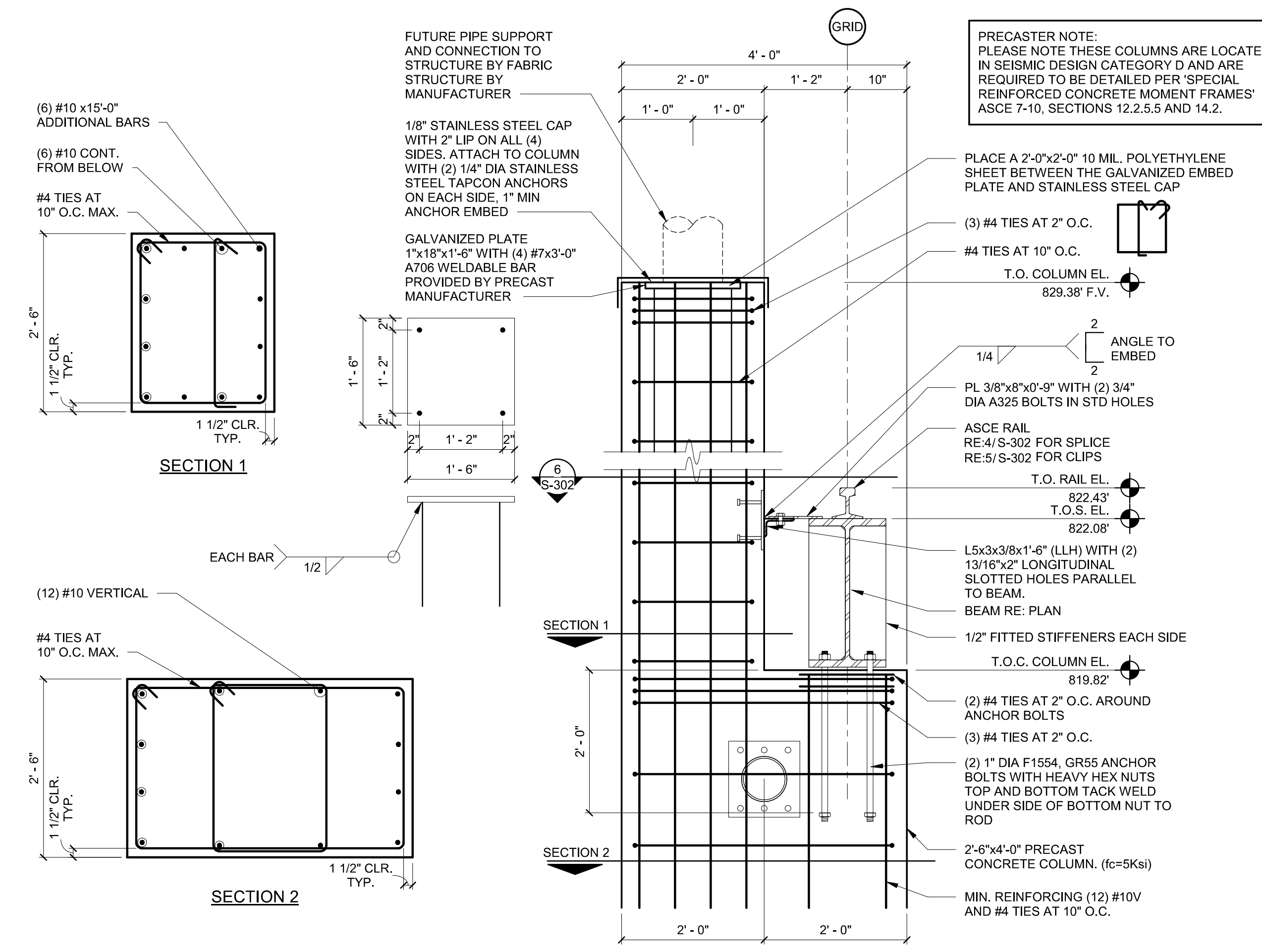
7 ELEVATION OF RUNWAY BEAM AT COLUMN
3/4" = 1'-0"



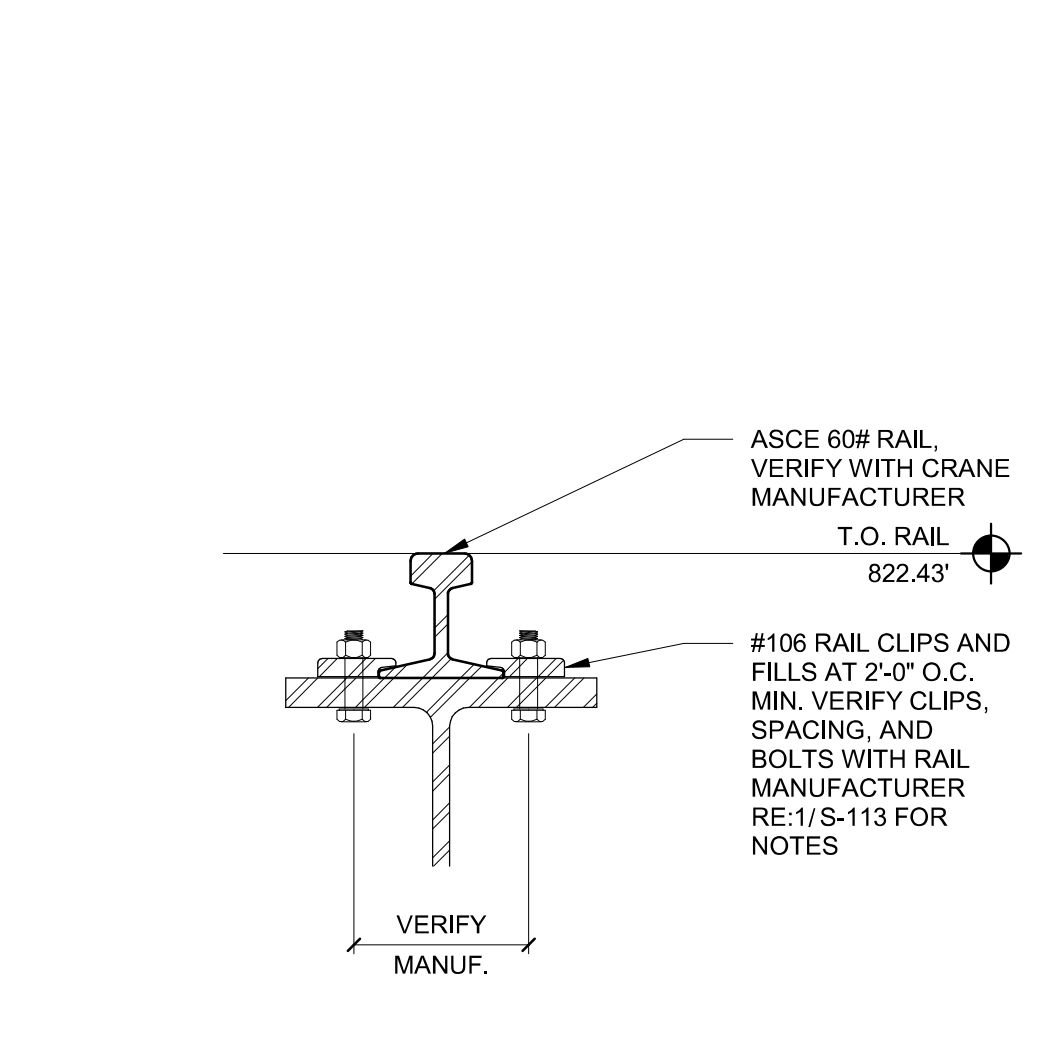
3 CRANE STOP DETAIL
3/4" = 1'-0"



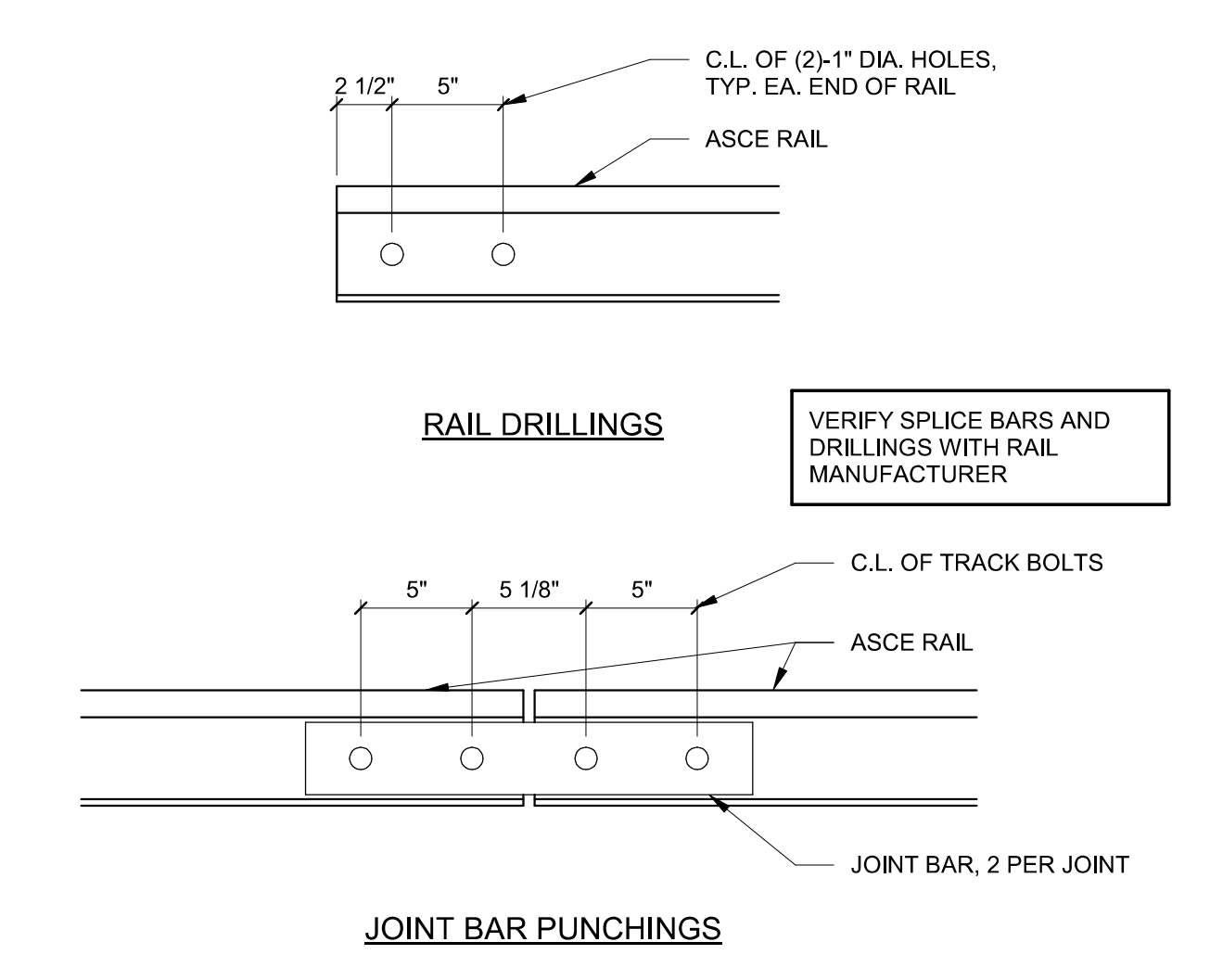
6 PLAN AT TOP OF RUNWAY BEAM
3/4" = 1'-0"



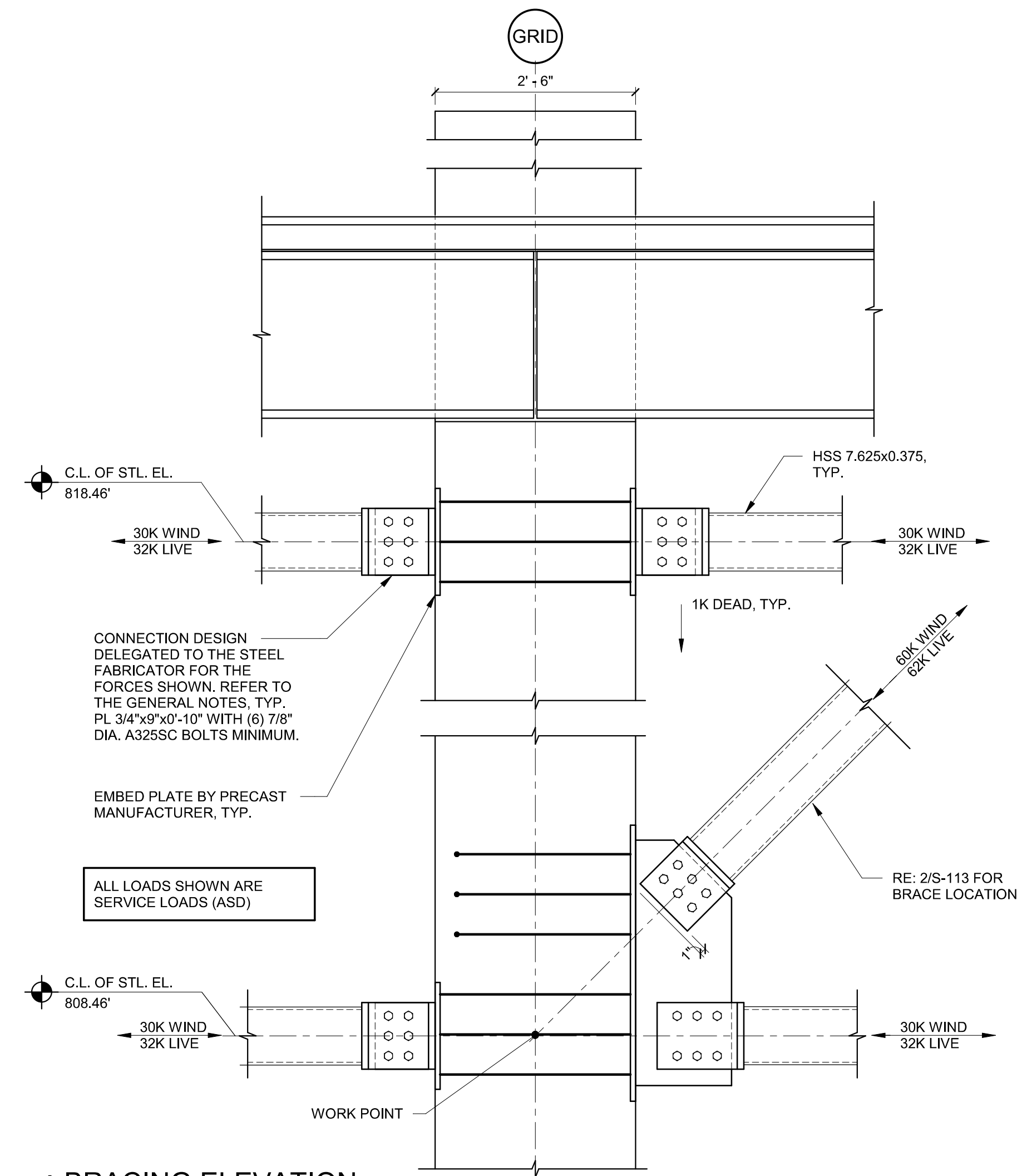
2 SECTION AT COLUMN
3/4" = 1'-0"



5 DETAIL AT RAIL CLIP
1 1/2" = 1'-0"



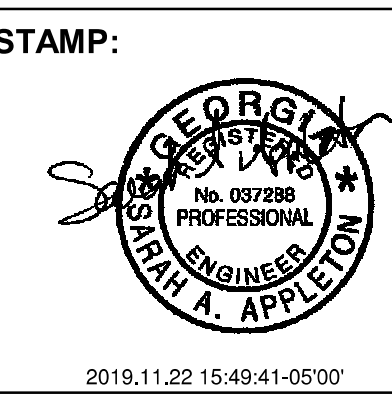
4 TRACK SPLICE
1 1/2" = 1'-0"



1 BRACING ELEVATION
3/4" = 1'-0"



No.	Description	Date



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BGR2-JV
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SUITE 1600
ATLANTA, GA 30328
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FAX: (707) 993-5082

PROJECT NO:	1790066
DESIGNED BY:	WJM
DRAWN BY:	JJM
CHECKED BY:	RGR
DATE:	11/22/2019
SCALE:	As indicated

CITY OF ATLANTA DEPT. OF WATERSHED MANAGEMENT
WATER SUPPLY PROGRAM - Phase 1
RIVER INTAKE PUMP STATION
FRAMING DETAILS

DRAWING NO.
RI-PS
S-302
SHEET OF