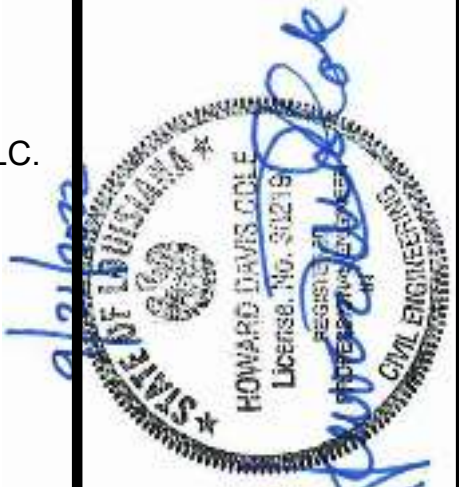


**WEIR STRUCTURE SECTION** 100  
SCALE: N.T.S.

- GENERAL NOTES:
- CROSS SECTION DEVELOPED FROM SURVEY PREPARED BY BRYANT HAMMETT & ASSOCIATES, LLC.
  - SEE MECHANICAL AND STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION AND CONNECTION DETAILS.



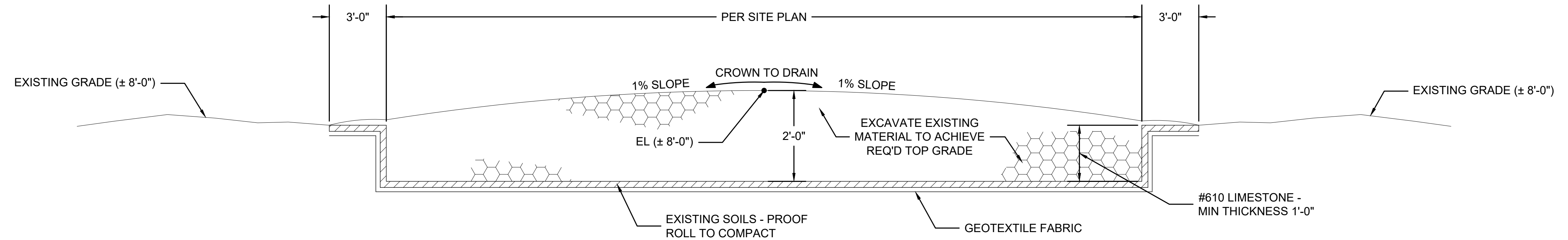
**WARNING**

IF THIS BAR DOES NOT MEASURE 1" ON THE DRAWING, THE DRAWING IS NOT TO SCALE.



REVISION RECORD		DATE	BY	CHKD

- GENERAL NOTES:
- SEE SITE PLAN FOR LOCATION.

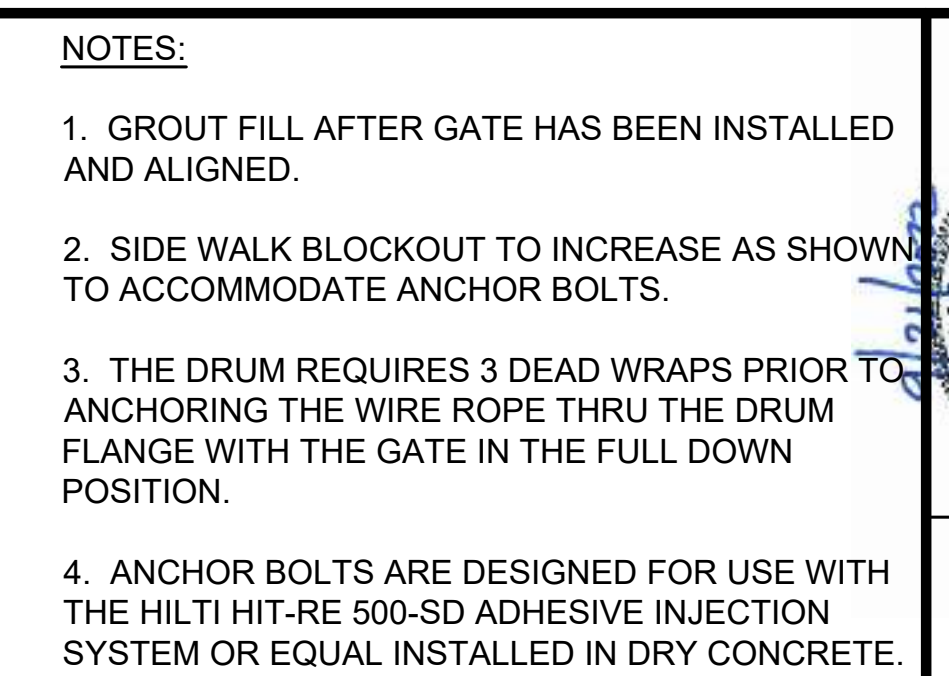


**LIMESTONE PAVEMENT DETAIL** 101  
SCALE: N.T.S.

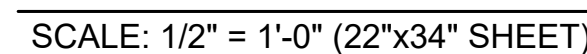
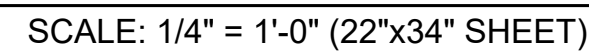
DESIGNED BY:	HDC
DRAWN BY:	RM
CHECKED BY:	HDC

DATE:	Sep-22
DETAILED BY:	RM
HDC PROJECT NO.	2021-14

NEW RIVER TILTING WEIR STRUCTURE	LOUISIANA
ASCENSION PARISH	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH	ASCENSION PARISH
SECTION VIEW	

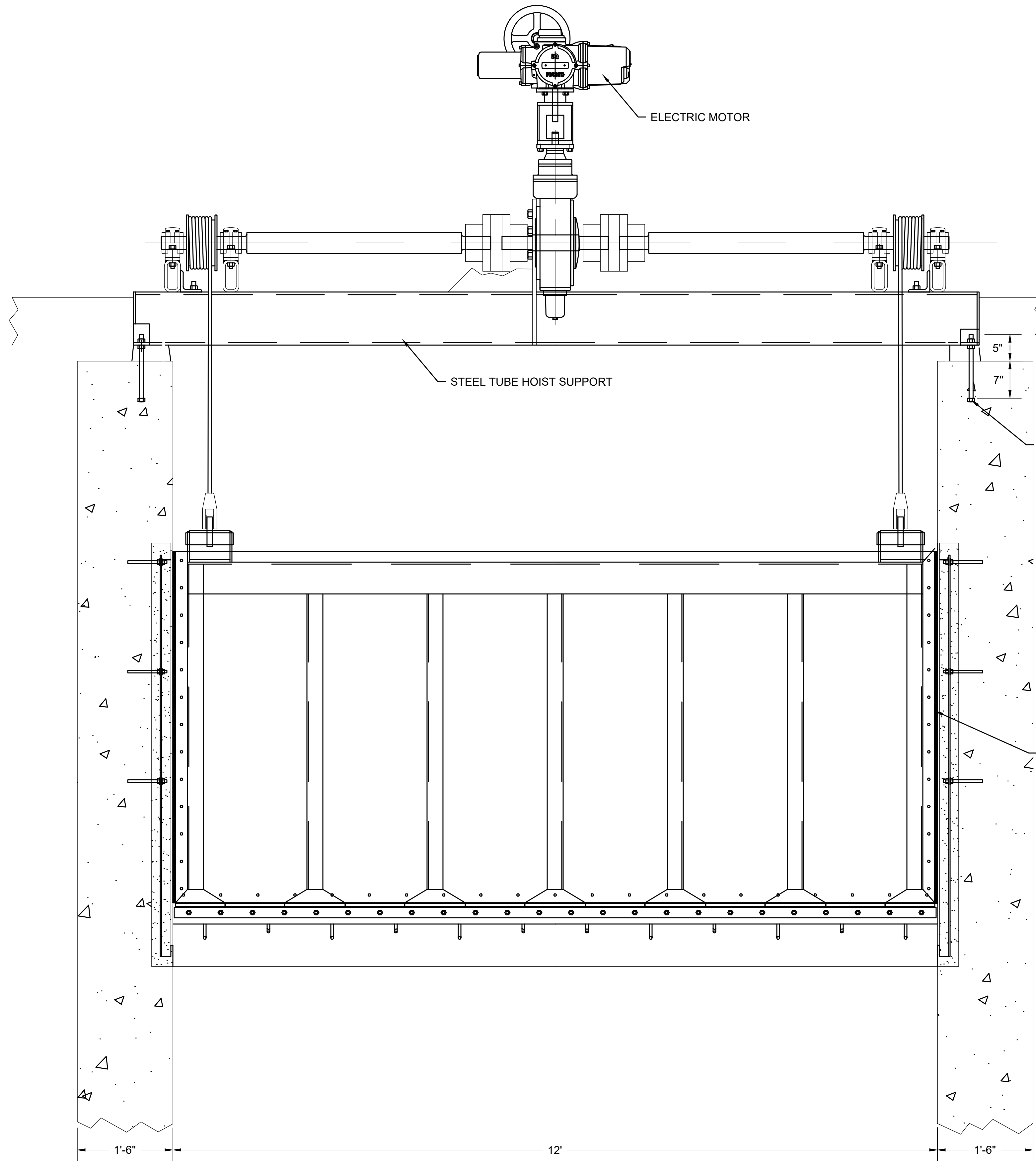


SCALE: 1/4" = 1'-0" (22"x34" SHEET)

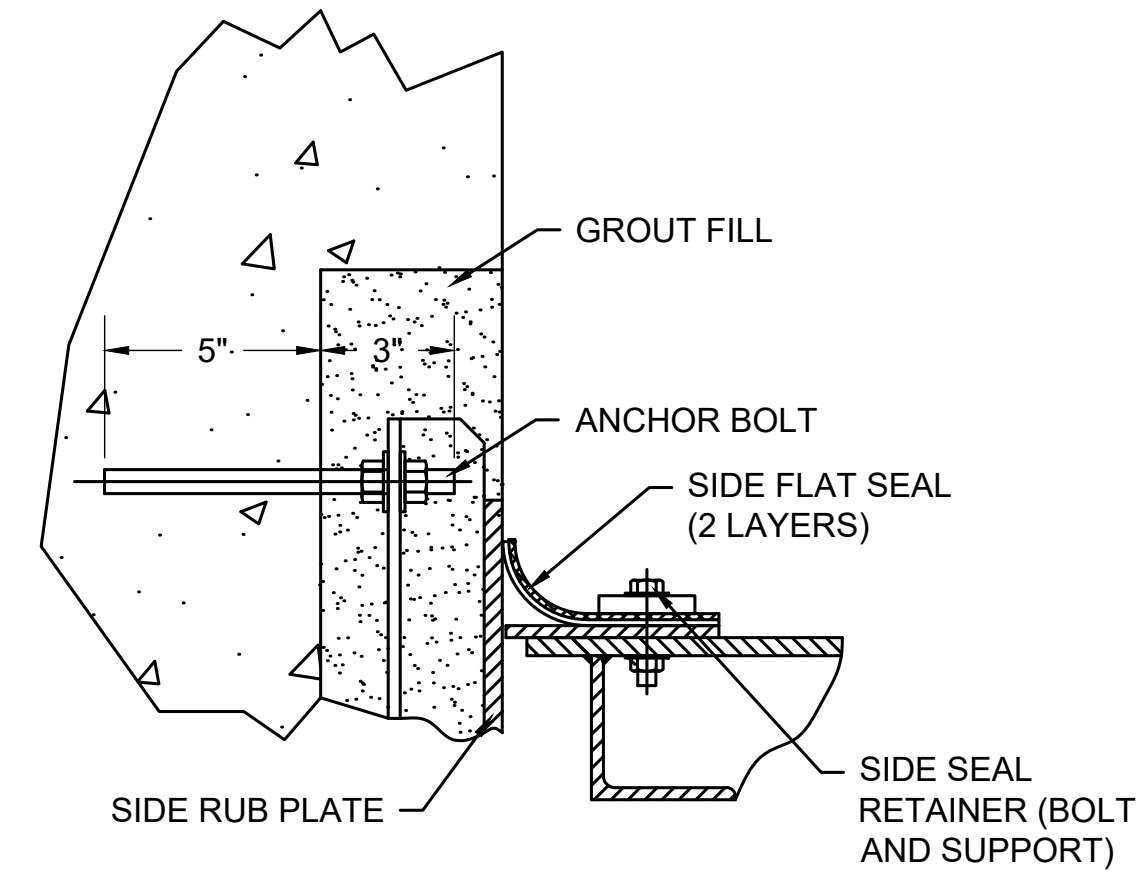


SHEET SET <b>17</b> OF <b>30</b>		SHEET ID <b>01-M1</b>		NEW RIVER TILTING WEIR STRUCTURE				DATE: Sep-22	DESIGNED BY: HDC	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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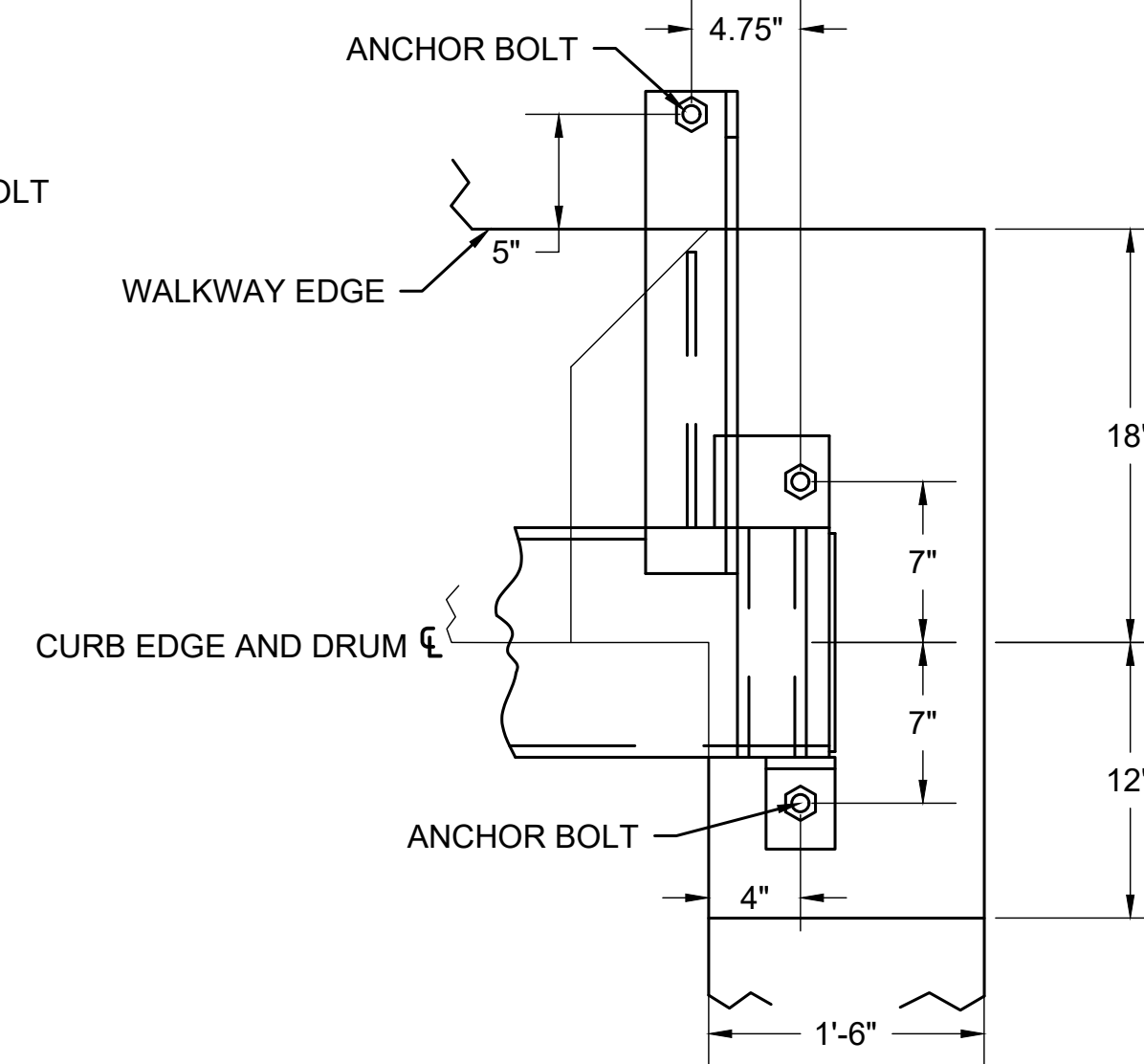




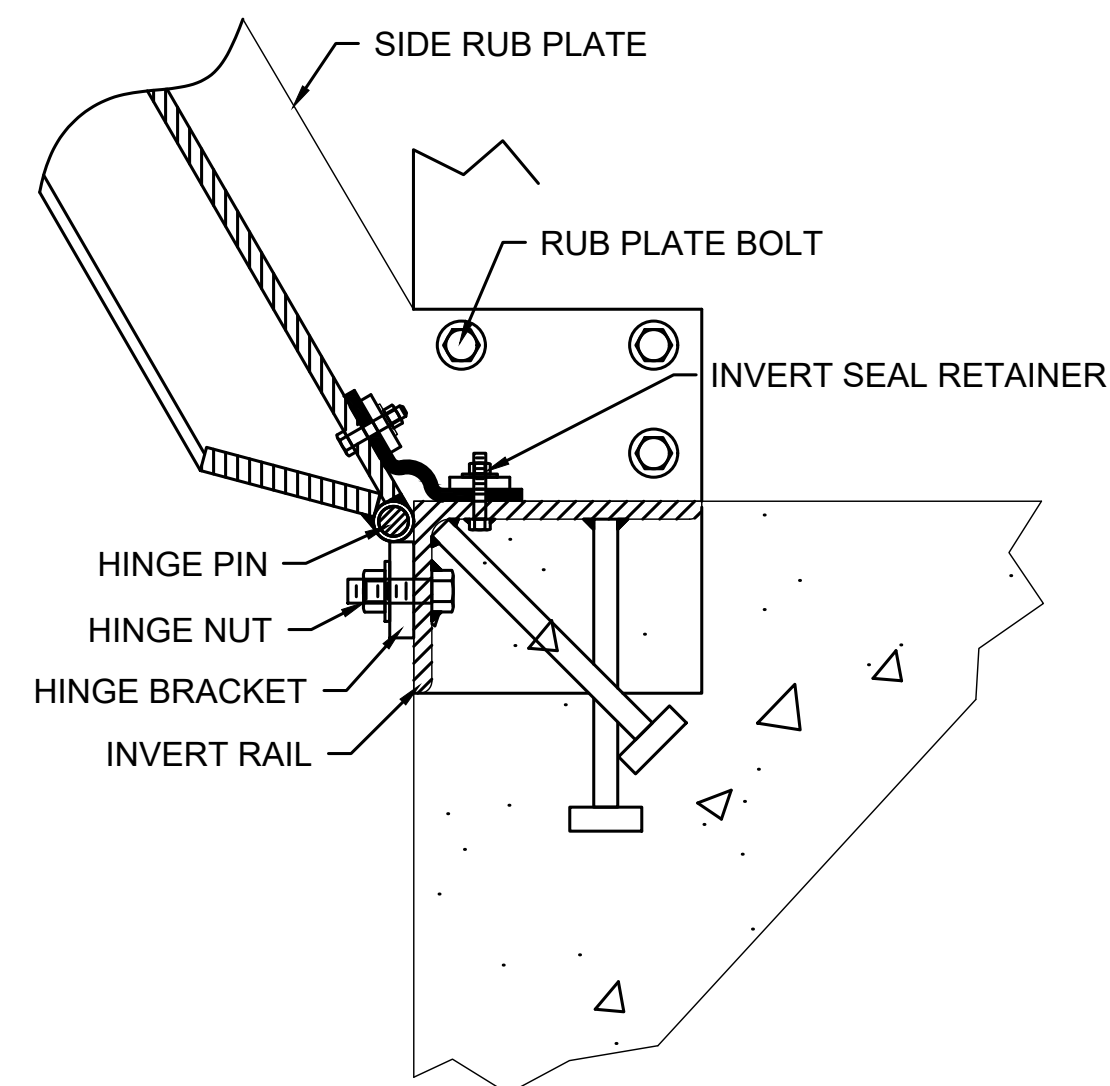
**ELEVATION**  
SCALE: 1/2" = 1'-0" (22"x34" SHEET)



**SECTION B**  
SCALE: N.T.S. 01-M1



**SECTION C**  
SCALE: N.T.S. 01-M1



**MECHANICAL DETAIL** M1  
SCALE: N.T.S. 01-M1

- NOTES:
1. GROUT FILL AFTER GATE HAS BEEN INSTALLED AND ALIGNED.
  2. SIDE WALK BLOCKOUT TO INCREASE AS SHOWN TO ACCOMMODATE ANCHOR BOLTS.
  3. THE DRUM REQUIRES 3 DEAD WRAPS PRIOR TO ANCHORING THE WIRE ROPE THRU THE DRUM FLANGE WITH THE GATE IN THE FULL DOWN POSITION.
  4. ANCHOR BOLTS ARE DESIGNED FOR USE WITH THE HILTI HIT-RE 500-SD ADHESIVE INJECTION SYSTEM OR EQUAL INSTALLED IN DRY CONCRETE.

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" (OR CLOSE THERE TO) DRAWING IS NOT TO SCALE.

**HDC**  
H. Davis Cole & Associates, LLC  
Consulting Engineers  
NEW ORLEANS, LA

MARK	DESCRIPTION	DATE	BY	CHKD

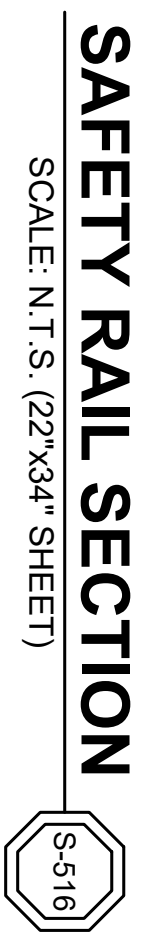
DATE	DESIGNED BY:	DATE	DESIGNED BY:	DATE	DESIGNED BY:
Sep-22	HDC	Sep-22	HDC	Sep-22	HDC



LOUISIANA	LOUISIANA	LOUISIANA	LOUISIANA	LOUISIANA	LOUISIANA
NEW RIVER TILTING WEIR STRUCTURE	NEW RIVER TILTING WEIR STRUCTURE	NEW RIVER TILTING WEIR STRUCTURE	NEW RIVER TILTING WEIR STRUCTURE	NEW RIVER TILTING WEIR STRUCTURE	NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH	ASCENSION PARISH
TILTING WEIR MECHANICAL DETAILS	TILTING WEIR MECHANICAL DETAILS	TILTING WEIR MECHANICAL DETAILS	TILTING WEIR MECHANICAL DETAILS	TILTING WEIR MECHANICAL DETAILS	TILTING WEIR MECHANICAL DETAILS

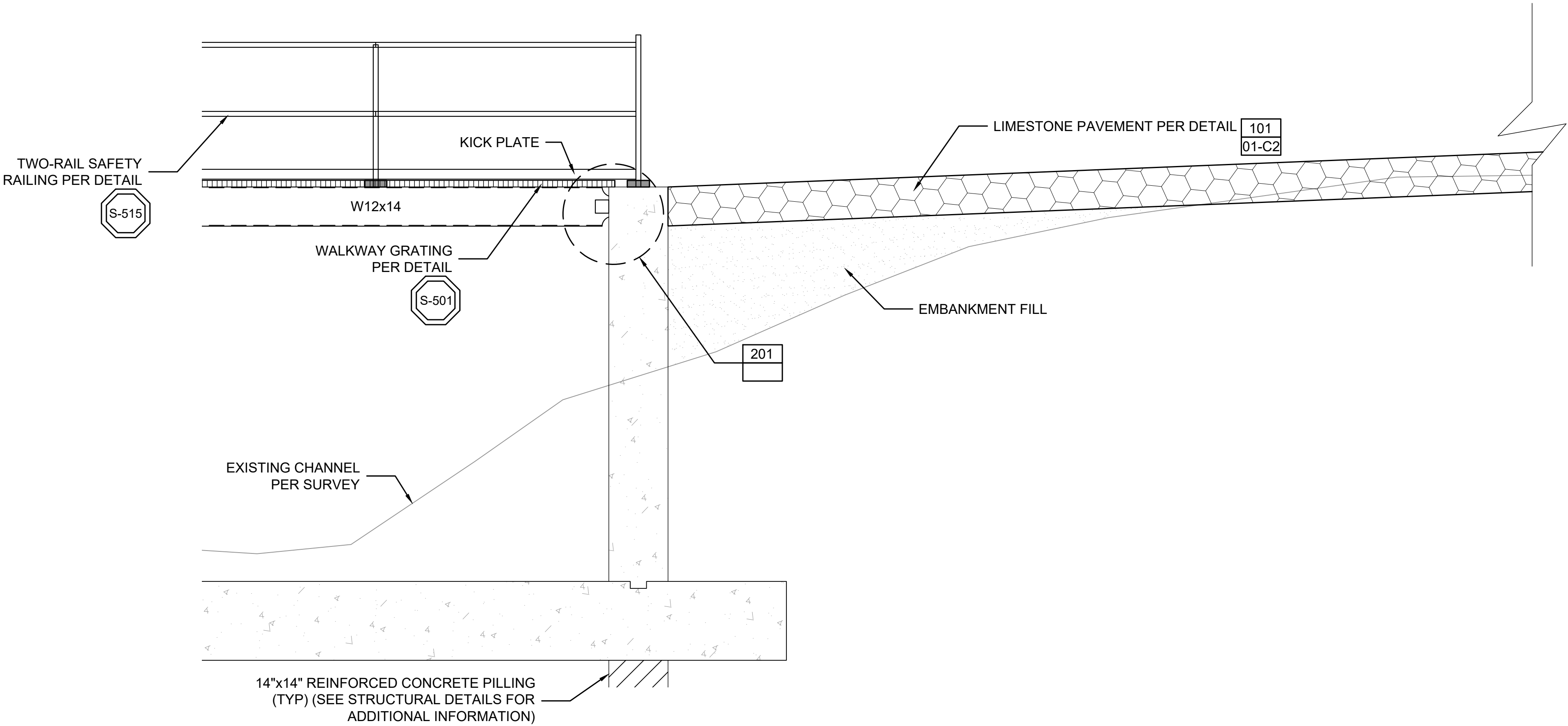
SHEET ID	SHEET SET
01-M2	18 OF 30







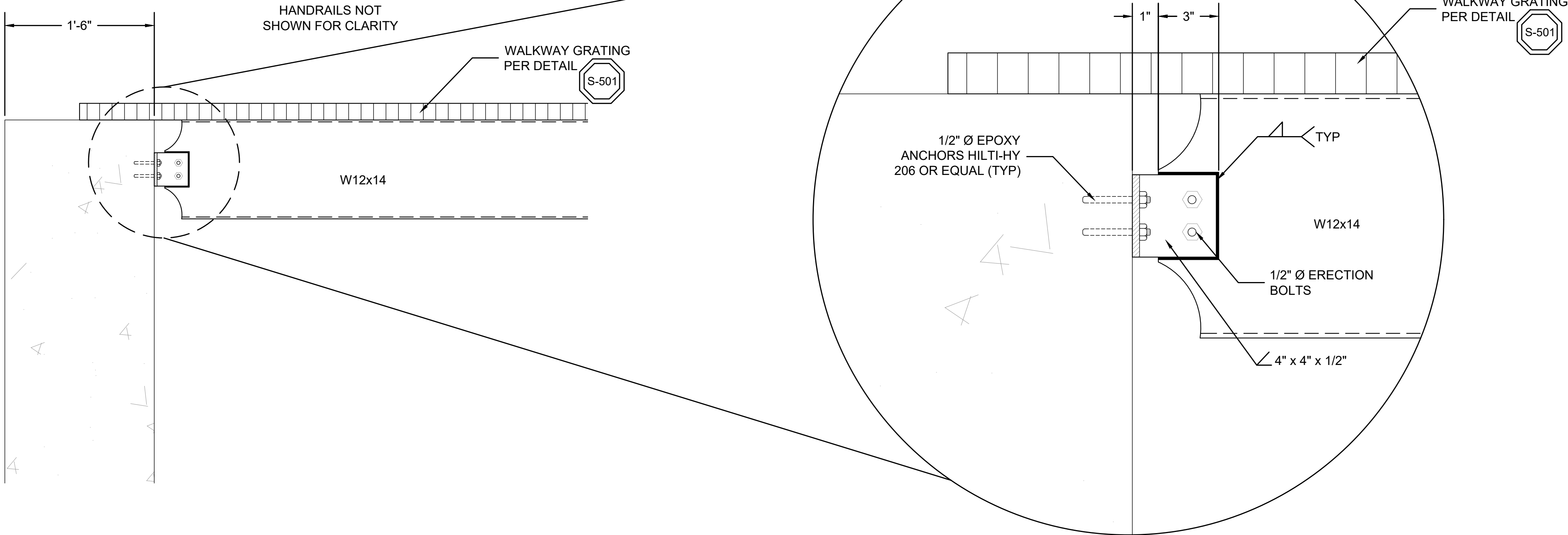
<p><b><u>WARNING</u></b></p> <p>0      1/2      1</p>  <p>IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.</p>	
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**WEIR STRUCTURE TO WALKWAY**

SCALE: N.T.S.

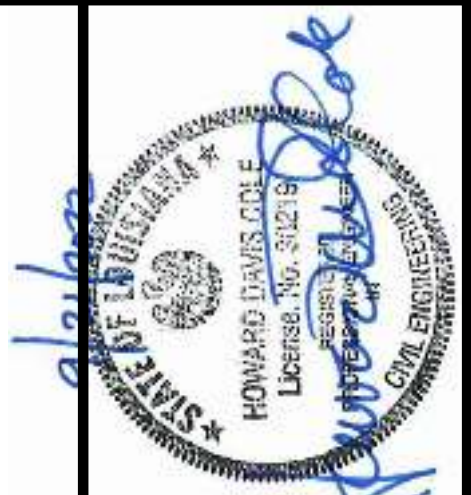
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**WEIR STRUCTURE TO WALKWAY CONNECTION**

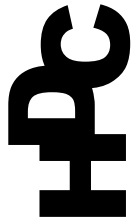
SCALE: N.T.S.

201



**WARNING**

IF THIS BAR DOES NOT MEASURE 1" (OR EQUIVALENT) IN LENGTH, THE DRAWING IS NOT TO SCALE.



**HDC**  
H. Davis Cole & Associates, LLC  
Consulting Engineers

NEW ORLEANS, LA

REVISION RECORD			
MARK	DESCRIPTION	DATE	BY
			CHKD

DATE	DESIGNED BY:	DATE	DESIGNED BY:
Sep-22	HDC		

DATE	DRAWN BY:	DATE	DRAWN BY:
	RM		

DATE	CHECKED BY:	DATE	CHECKED BY:
2021-14	HDC		

NEW RIVER TILTING WEIR STRUCTURE

LOUISIANA

ASCENSION PARISH

EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1

ASCENSION PARISH

STRUCTURAL DETAILS

SHEET ID

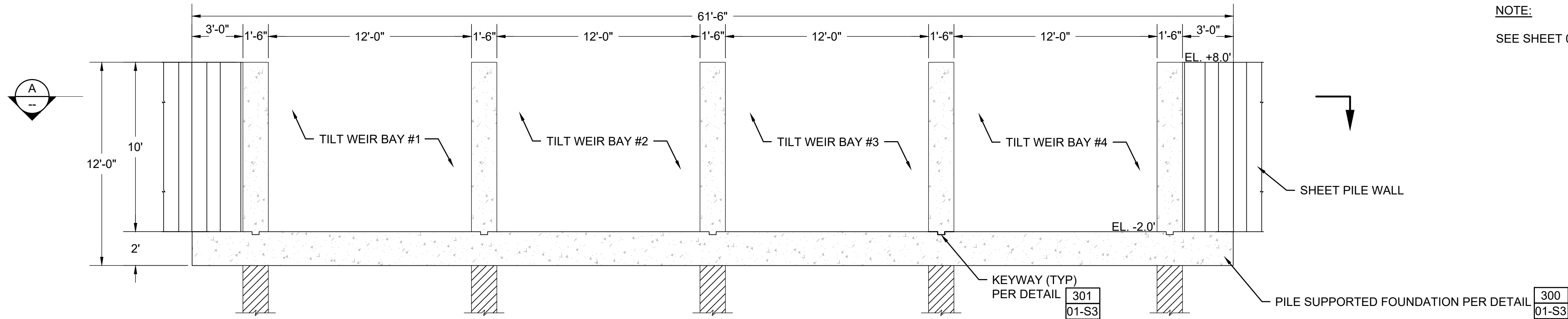
**S3**

SHEET SET

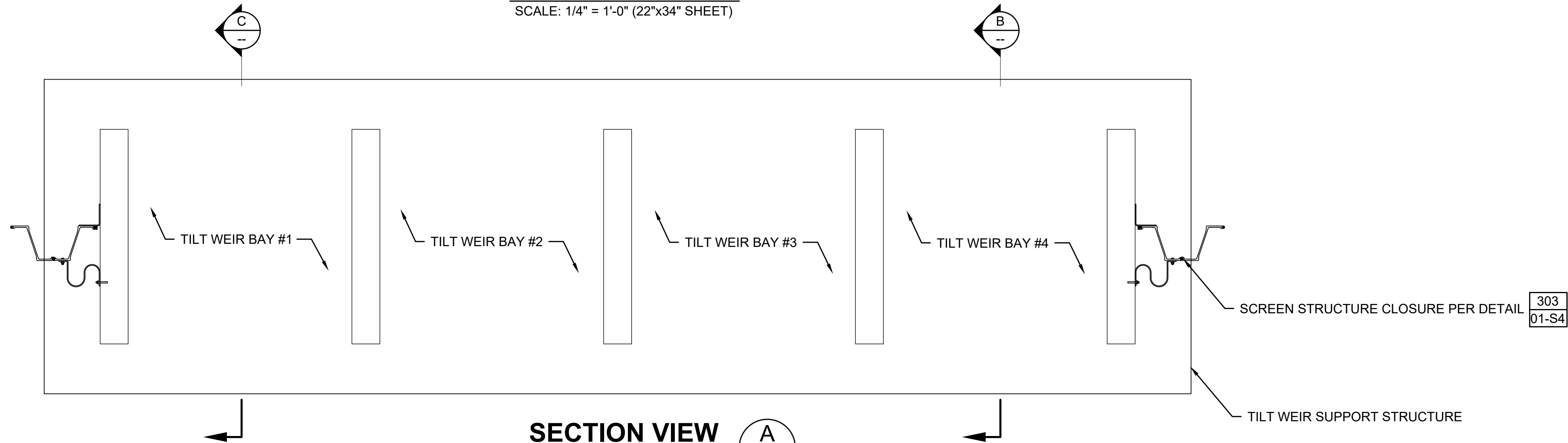
**21** OF **30**



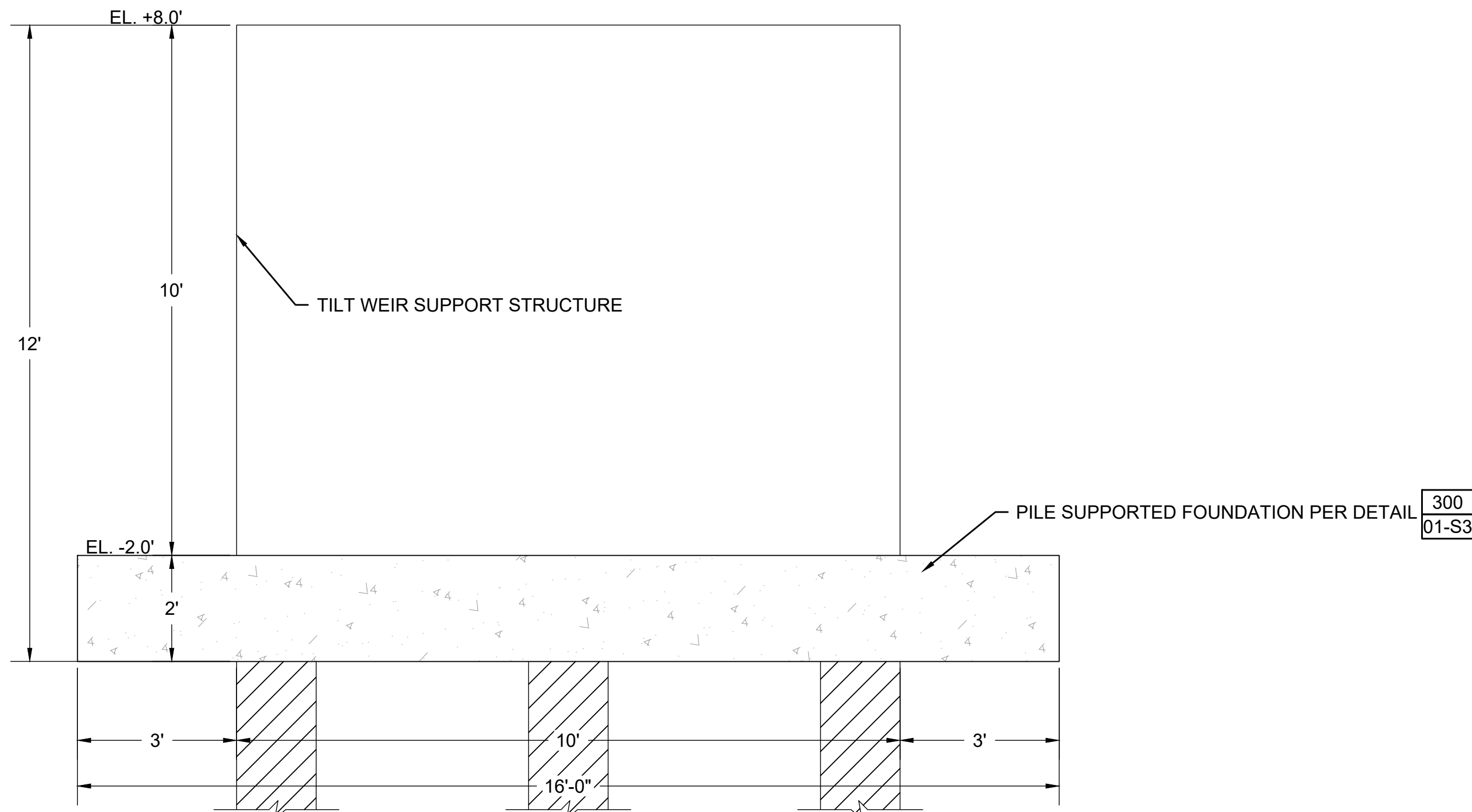




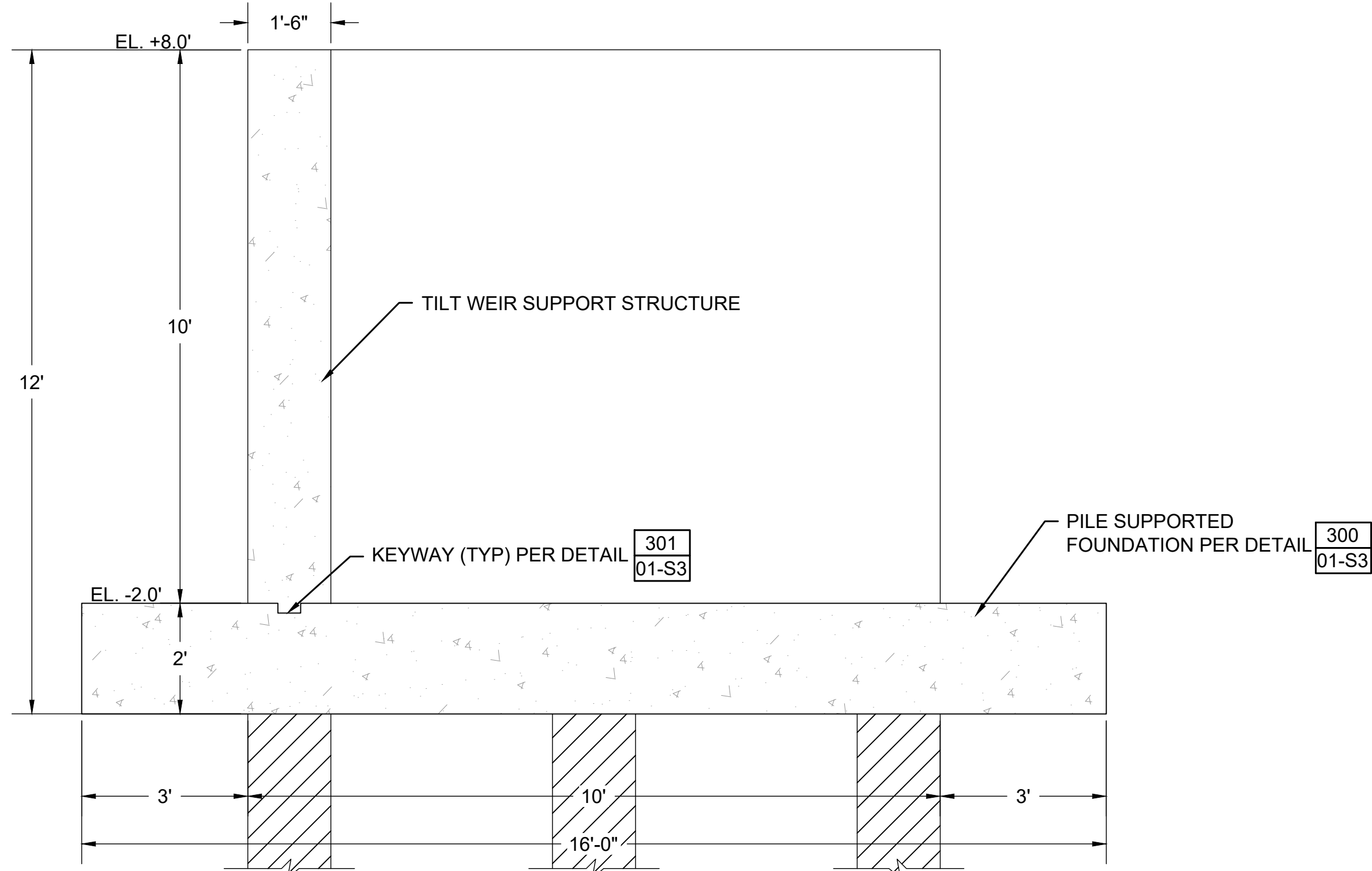
**ELEVATION VIEW**  
SCALE: 1/4" = 1'-0" (22"x34" SHEET)



**SECTION VIEW**  
SCALE: 1/4" = 1'-0" (22"x34" SHEET)



**SECTION B**  
SCALE: 1/2" = 1'-0" (22"x34" SHEET)



**SECTION C**  
SCALE: 1/2" = 1'-0" (22"x34" SHEET)

**WARNING**  
IF THIS BAR DOES NOT MEASURE 1" ON ANY SCALE, THE DRAWING IS NOT TO SCALE.

**HDC**  
H. Davis Cole & Associates, LLC  
Consulting Engineers  
NEW ORLEANS, LA

REVISION RECORD			
MARK	DESCRIPTION	DATE	BY

DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:
Sep-22	HDC	RM	HDC

NEW RIVER TILTING WEIR STRUCTURE		LOUISIANA	
ASCENSION PARISH		EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	
		ASCENSION PARISH	
		TILTING WEIR STRUCTURAL DETAILS	

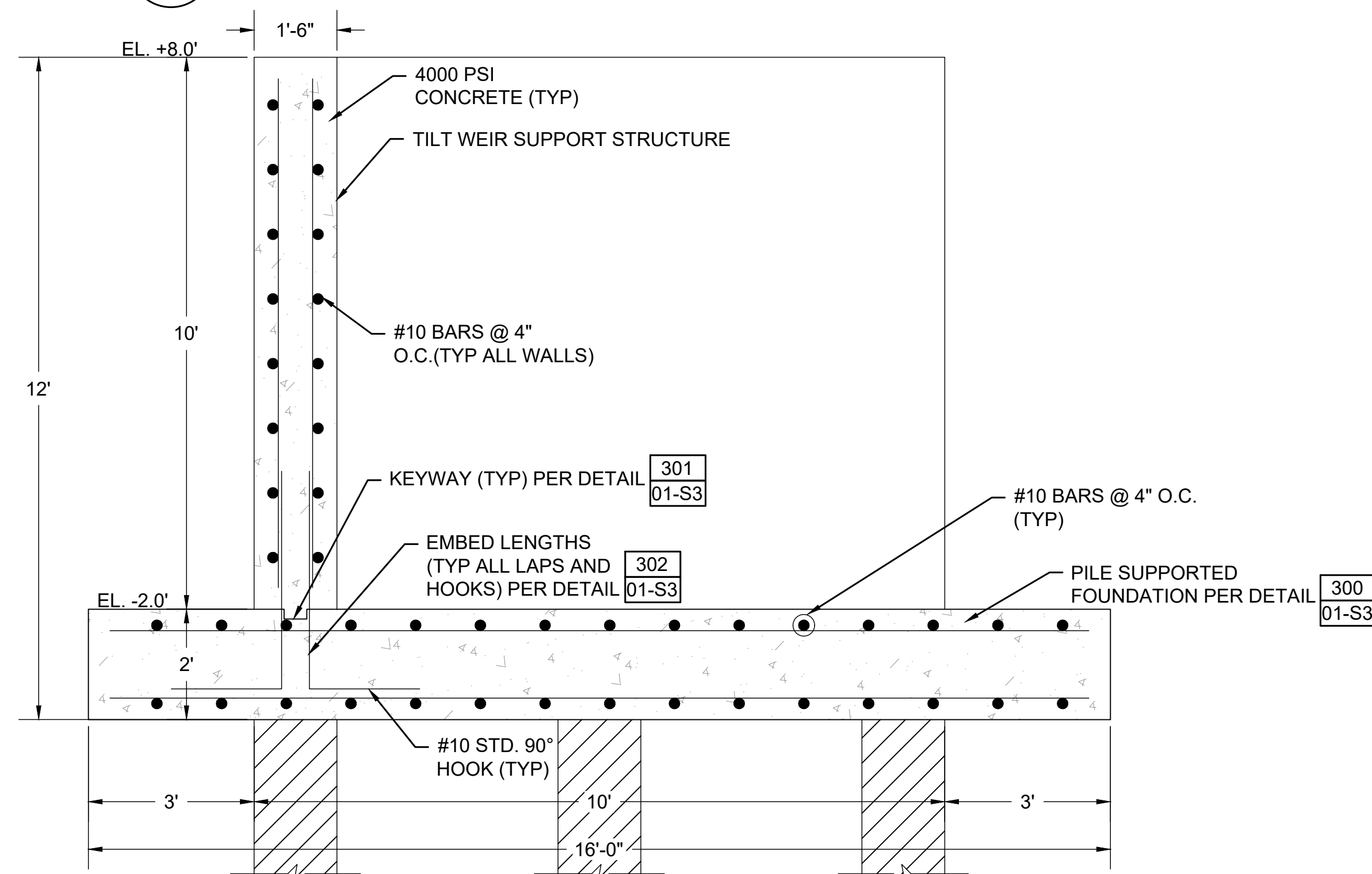
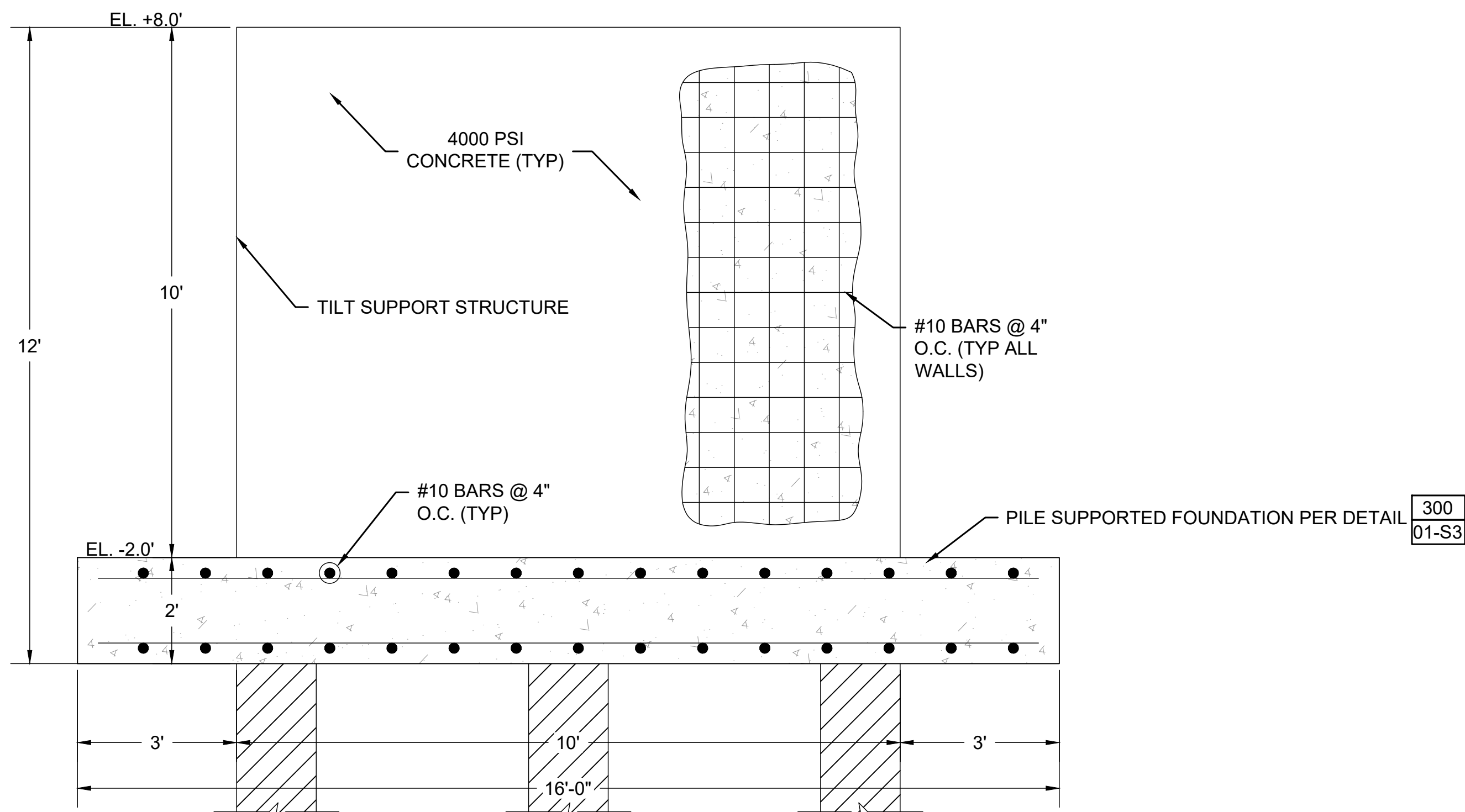
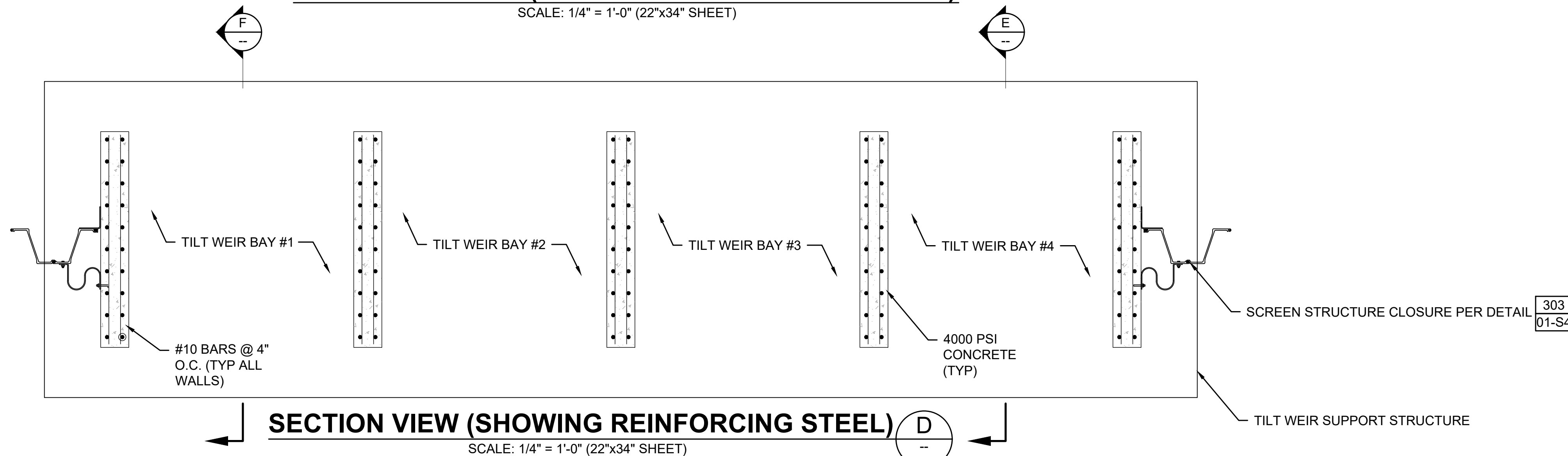
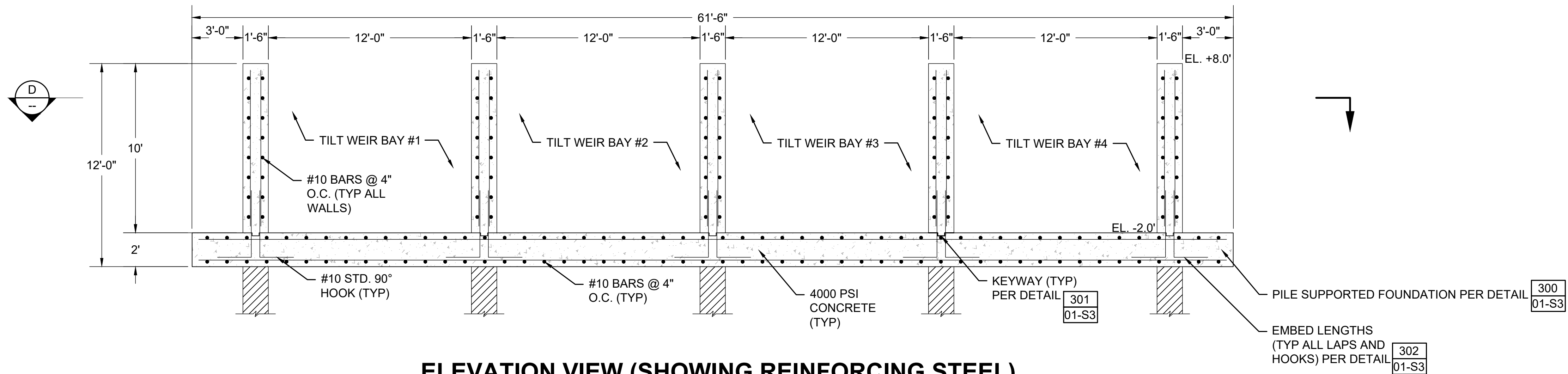
SHEET ID

**01-S1**

SHEET SET

**23** OF **30**





**WARNING**  
IF THIS DRAWING DOES NOT MEASURE 1" = 1'-0" (OR SCALE THEREOF) IT IS NOT TO BE USED.  
DRAWING IS NOT TO SCALE.

**HDC**  
H. Davis Cole & Associates, LLC  
Consulting Engineers  
NEW ORLEANS, LA

REVISION RECORD			
MARK	DESCRIPTION	DATE	BY

DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:
Sep-22	HDC	RM	HDC

**NEW RIVER TILTING WEIR STRUCTURE**

LOUISIANA

ASCENSION PARISH

EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1

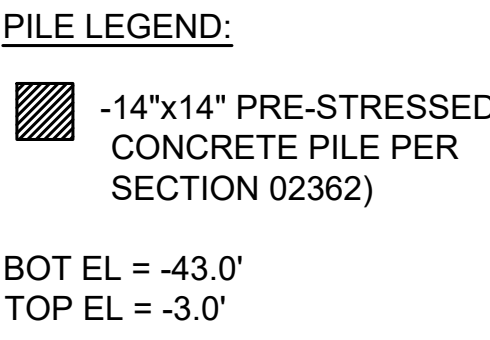
ASCENSION PARISH

**SECTION ID**

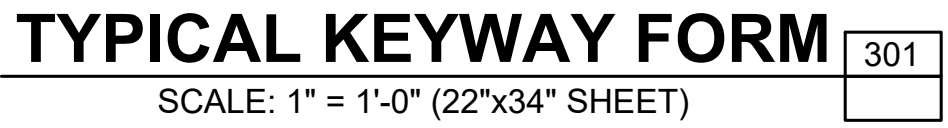
**01-S2**

**SHEET SET**

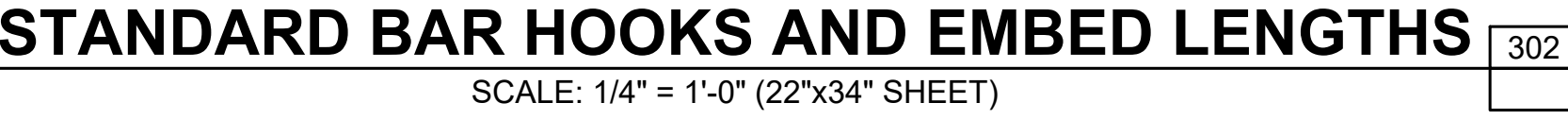
**24 OF 30**



### - TILT WEIR SUPPORT STRUCTURE

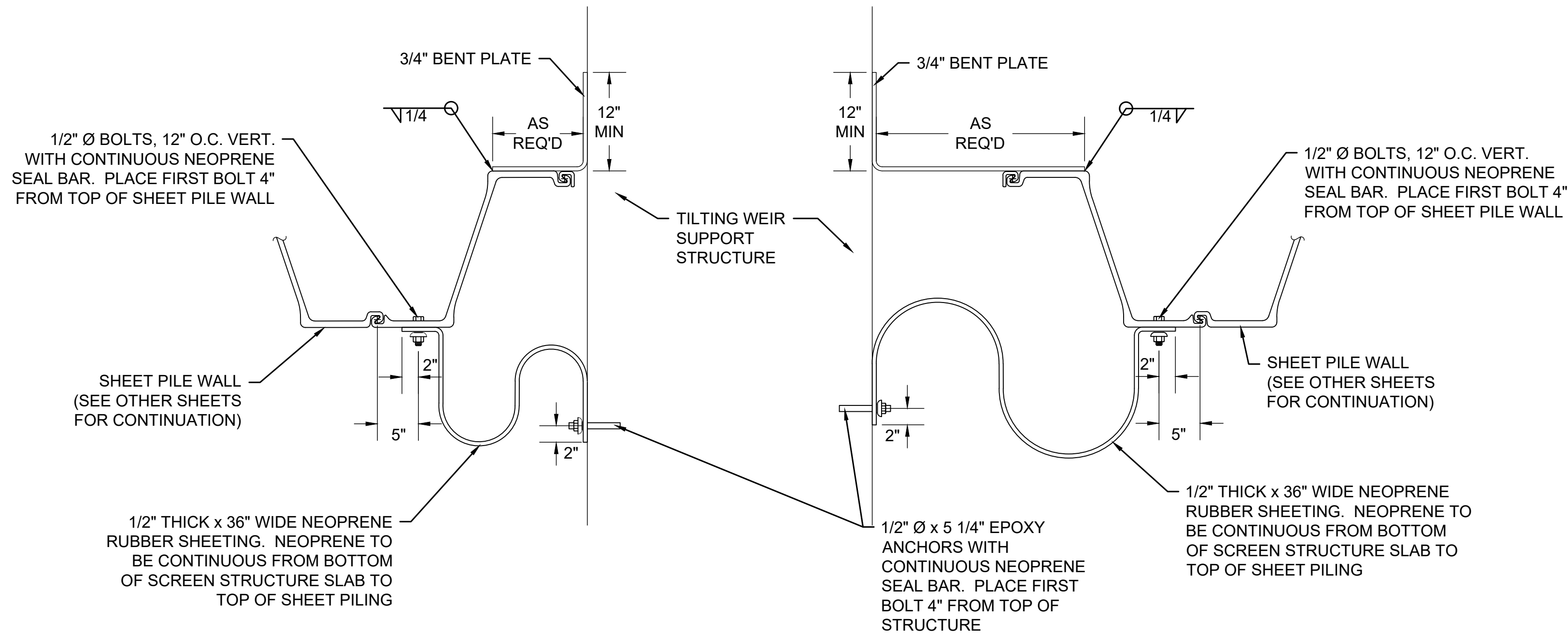


LENGTH (INCHES)						
REBAR SIZE	FOR 1" TO < 2" CONCRETE COVER		FOR 2" TO < 3" CONCRETE COVER		FOR 3" & LARGER CONCRETE COVER	
	REBAR SPACING (CENTER TO CENTER)		REBAR SPACING (CENTER TO CENTER)		REBAR SPACING (CENTER TO CENTER)	
	< 8"	≥ 8"	< 8"	≥ 8"	< 8"	≥ 8"
LAP						
#8	62"	62"	37"	37"	37"	37"
#9	99"	79"	69"	55"	49"	42"
#10	125"	100"	88"	70"	63"	50"
#11	154"	123"	108"	86"	77"	62"
EMBEDMENT "E"						
#8	48"	48"	29"	29"	29"	29"
#9	77"	61"	54"	43"	38"	33"
#10	97"	77"	68"	54"	49"	39"
#11	119"	95"	84"	67"	60"	48"



1. USE LAP LENGTHS AS DETERMINED FROM THESE TABLE UNLESS SHOWN OTHERWISE.
2. THE TABLES SHOWN HERE ARE FOR  $F_c$  - 4000 psi AND  $F_y$  - 60,000 psi.
3. MULTIPLY THE LAP AND "E" SHOWN IN THESE TABLES BY 1.3 FOR WALL HORIZONTAL REBARS AND SLAB REBARS WITH 12" OR MORE FRESH CONCRETE UNDERNEATH.
4. MULTIPLY THE LAP AND "E" SHOWN IN THESE TABLES BY 1.5 FOR EPOXY COATED REINFORCING.
5. MULTIPLY THE LAP AND "E" SHOWN IN THESE TABLES BY 1.7 FOR EPOXY COATED REBARS THAT ARE WALL HORIZONTALS OR SLAB BARS WITH 12" OR MORE FRESH CONCRETE UNDERNEATH.
6. WHEN BARS OF DIFFERENT SIZES ARE LAP SPLICED, LAP LENGTH SHALL BE THE LARGER OF:
  - A) EMBEDMENT LENGTH OF LARGER BAR
  - B) LAP LENGTH OF SMALLER BAR
7. UNLESS NOTED OTHERWISE USE REBAR COUPLERS FOR SPLICES OF #11 AND LARGER BARS.
8. ALL DOWEL BARS SHALL EXTEND AN EMBEDMENT LENGTH "E" INTO ANOTHER MEMBER OR ACROSS A CONSTRUCTION JOINT UNLESS SHOWN TO SPLICE WITH OTHER BARS OR TO EXTEND TO THE FAR FACE OF THE MEMBER AND END WITH A STANDARD HOOK.





SHEET PILE STRUCTURE CLOSURE

SCALE: N.T.S.

303  
01-C1

NEW RIVER TILTING WEIR STRUCTURE	LOUISIANA
	ASCENSION PARISH
	EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH	
SHEET PILE CLOSURE STRUCTURE	

SHEET ID
01-S4
SHEET SET
26 OF 30

DATE:	DESIGNED BY:
Sep-22	HDC
DETAILED BY:	DRAWN BY:
RM	RM
HDC PROJECT NO.	CHECKED BY:
2021-14	HDC

MARK	DESCRIPTION	DATE	BY	CHKD	REVISION RECORD

**HDC**  
H. Davis Cole & Associates, LLC  
Consulting Engineers

NEW ORLEANS, LA

**WARNING**  
IF THIS BAR DOES NOT MEASURE 1" (OR 1/2" IF SCALE IS 1/2") IN THIS DRAWING, THE DRAWING IS NOT TO SCALE.

0 1/2 1

Howard Davis Cole  
License No. 31276  
State of Louisiana  
Professional Engineer

*Handwritten signature and initials in blue ink.*





ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0" (22"x34" SHEET)



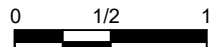
SYMBOL SCHEDULE	
<div> <div></div> <div>O<sub>g</sub></div> </div>	RAIL MOUNTED LED FIXTURE
<div> <div></div> <div>●</div> </div>	PHOTOELECTRIC CELL
<div> <div></div> <div>⏏</div> </div>	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
<div> <div></div> <div>□</div> </div>	FUSED SAFETY DISCONNECT SWITCH
<div> <div></div> <div>WP</div> </div>	WEATHERPROOF
<div> <div></div> <div>⤿</div> </div>	CONDUIT IN WALLS OR CEILING

ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. ALL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.
- FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.
- PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
- THE CONDUIT SYSTEM, ALL ELECTRICAL EQUIPMENT, ALL STEEL STRUCTURES, MOTOR FRAMES, ETC., SHALL BE CONNECTED TO THE GROUNDING SYSTEM PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH MECHANICAL TRADES. CONDUIT ROUTING AND EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION OF ALL EQUIPMENT AND ROUTING OF CABLES SHALL BE COORDINATED WITH & APPROVED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION.
- LOCATIONS OF CONDUITS, BOXES, FITTINGS, ETC., ARE DIAGRAMMATIC. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SIZES AND LOCATIONS, REVIEW ALL MECHANICAL SHOP DRAWINGS, AND COORDINATE WITH THE MECHANICAL CONTRACTOR, OWNER, AND ENGINEER TO INSURE THE TIMELY DELIVERY AND PROPER INSTALLATION OF ALL ELECTRICAL EQUIPMENT. (I.E. CONTROL PANELS, AREA LIGHTING, ETC.)
- BEFORE INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL SUBMIT DETAILED LAYOUT DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, AREA LIGHTING, CONTROL PANELS, SUPPORTS, ETC.
- ENCLOSURE, JUNCTION BOXES, RECEPTACLES AND ALL OTHER ELECTRICAL EQUIPMENT USED OUTDOOR SHALL BE OF NEMA 3X CONSTRUCTION UNLESS OTHERWISE NOTED.
- MINIMUM CONDUIT SIZE IS 3/4". ALL EXPOSED CONDUIT SHALL BE RIGID STEEL. AND ALL DUCT BANK CONDUIT SHALL BE SCHEDULE 40PVC UNLESS NOTED OTHERWISE.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR AND CAREFULLY REVIEW THE MECHANICAL PACKAGES PROPOSED TO BE SUPPLIED. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL WIRE AND CONDUIT NEEDED FOR ELECTRICAL APPOINTNANCES, ASSOCIATED WITH MECHANICAL PACKAGES, ARE PROVIDED EVEN IF NOT SPECIFICALLY CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- THERE SHALL BE WARNING LABELS LOCATED ON THE FRONT OF EACH ELECTRICAL ENCLOSURE. SEE SIGNAGE DETAIL ON SHEET 01-E3.
- CONTRACTOR SHALL COORDINATE ALL ASPECTS OF NEW SERVICE, INCLUDING LEAD TIMES, WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
- WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
- PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
- FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
- ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELBS AND RISERS.
- SETSCREW CONNECTOR FITTINGS SHALL NOT BE PERMITTED.



WARNING



IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.



NEW ORLEANS, LA

MARK	DESCRIPTION	DATE	BY	CHKD.

REVISION RECORD

DESIGNED BY:	SPG
DRAWN BY:	SPG
CHECKED BY:	MLT

DATE:	08/24/22
DETAILED BY:	SPG
HDC PROJECT NO.	2021-14

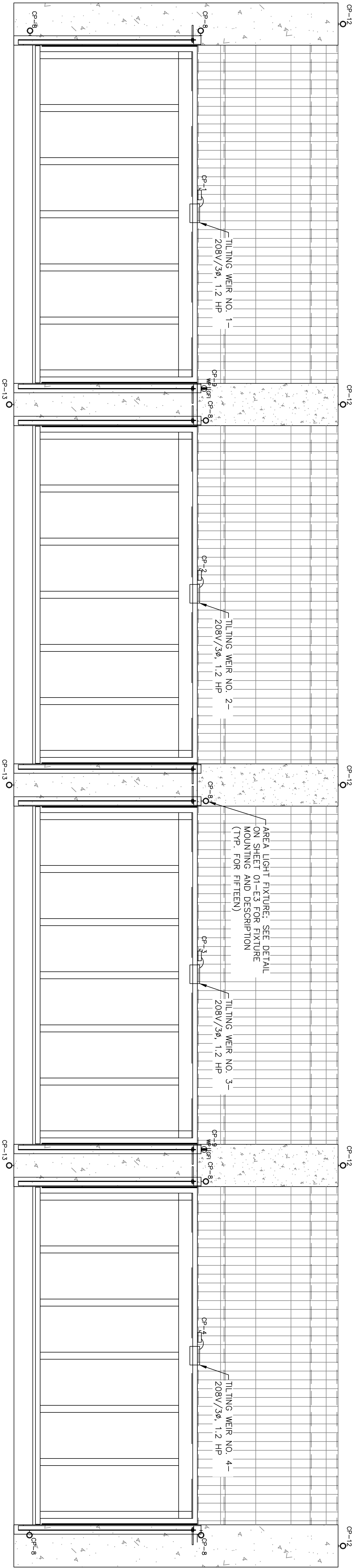
NEW RIVER TILTING WEIR STRUCTURE	
ASCENSION PARISH	LOUISIANA
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1	
ASCENSION PARISH	
ELECTRICAL SITE PLAN	



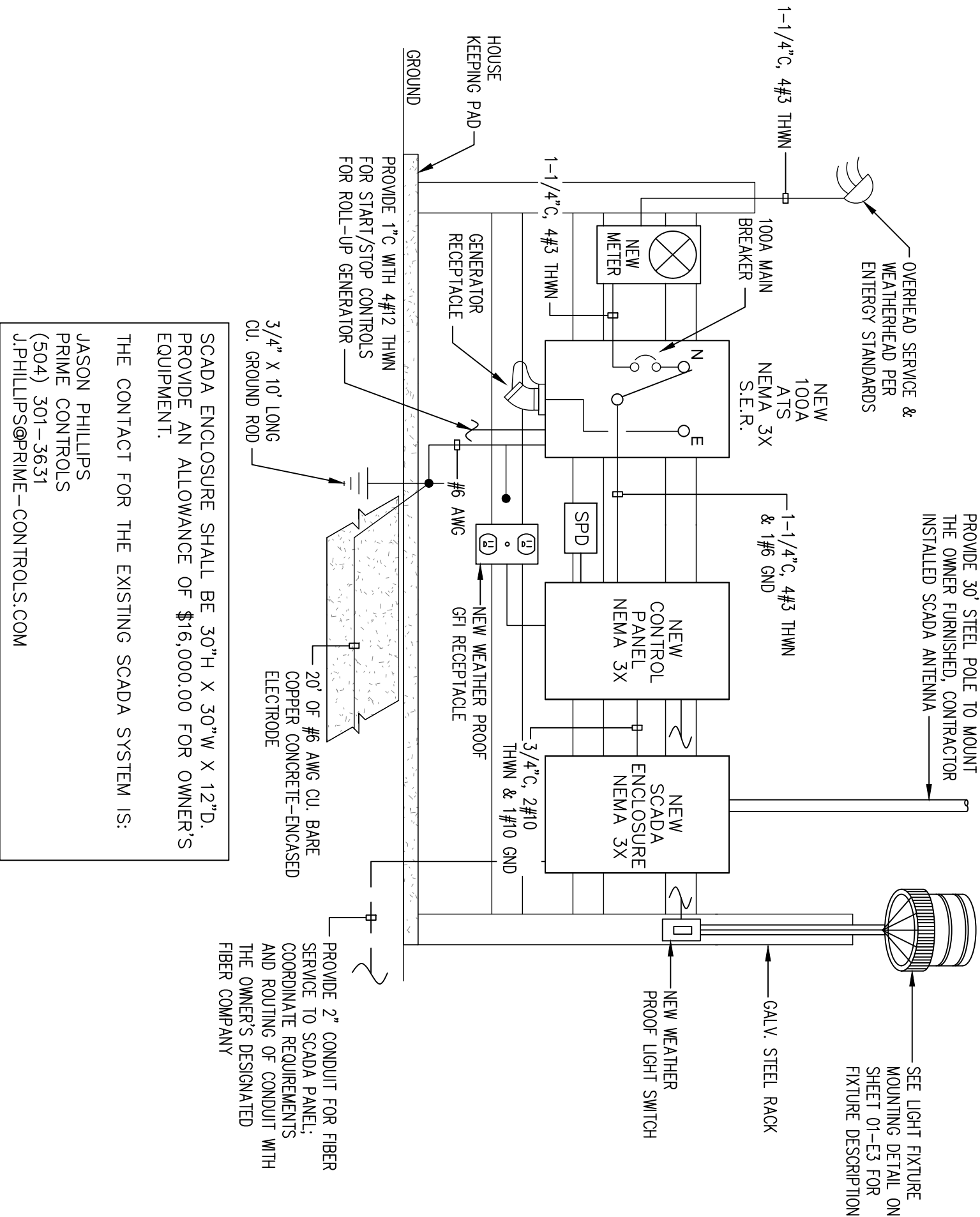
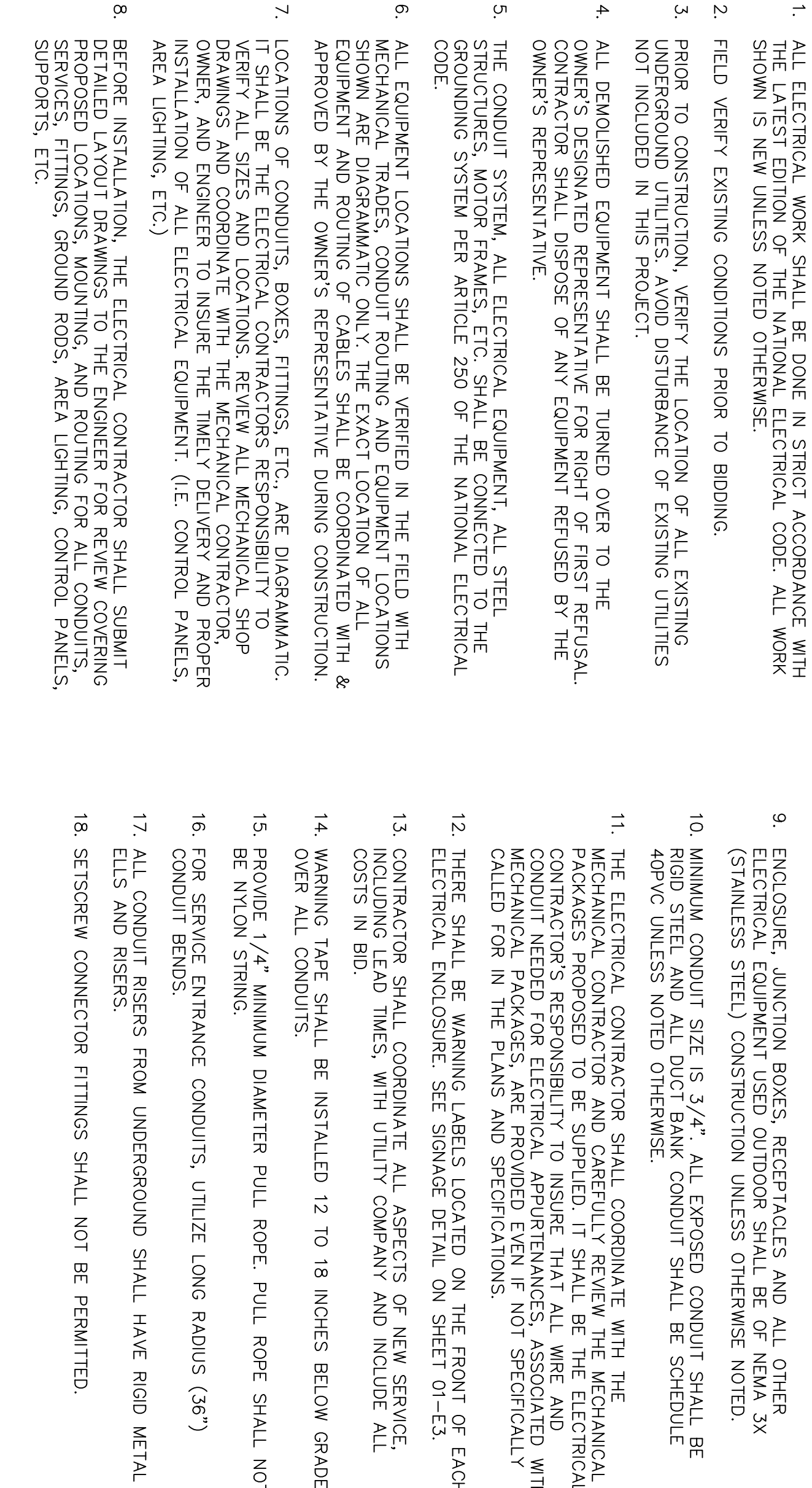
**ELECTRICAL PLAN VIEW**

SCALE: 1/2" = 1'-0" (22"x34" SHEET)

SCALE: 1/2" = 1'-0" (22"x34" SHEET)



SCALE: 1/2" = 1'-0" (22"x34" SHEET)



blkr no.	freq array	blkr pos	blkr id	blkr service
1	20	3	3/4	TLT WEIR NO. 1 (1.2 HP)
2	20	3	12	3/4 TLT WEIR NO. 2 (1.2 HP)
3	20	3	12	3/4 TLT WEIR NO. 3 (1.2 HP)
4	20	3	12	3/4 TLT WEIR NO. 4 (1.2 HP)
5	20	1	12	3/4 TRACK LIGHTING
6	20	1	12	3/4 CONTROL PANEL RECEPTACLE
7	20	1	12	3/4 SCAVA PANEL
8	20	1	12	3/4 SITE LIGHTING
9	20	1	12	3/4 SITE RECEPTACLES
10	20	1	12	3/4 CONTROL PANEL A/C
11	20	1	12	3/4 SCAVA PANEL A/C
12	20	1	12	3/4 SITE LIGHTING
13	20	1	12	3/4 SITE LIGHTING
14	30	3	10	3/4 SPD
15 THRU 16	20	1		SPARES

CONTROL PANEL "CP"

TYPE:BOLT-ON BREAKER PANELBOARD MOUNTING:SURFACE

SERVICE:120/208 VOLT, 3Ø, 4W A/C:18,000

MAIN:100 AMP MLO	REMARKS:GROUND
------------------	----------------

[illegible]

bkr. no.	trip bkr. wire amp pole size	cd service
-------------	---------------------------------	---------------

1	20	3	12	3/4" TILT WEIR NO. 1 (1.2 HP)
---	----	---	----	-------------------------------

2	20	3	12	3/4	III WEIR NO. 2 (1.2 HP)
7	20	7	40	7/4"	III WEIR NO. 2 (4.0 HP)

20	3	12	3/4"	TILT WEIR NO. 4 (12 HP)
4	20	3	12	3/4"

5	20	1	12	3/4"	RACK LIGHTING
---	----	---	----	------	---------------

6	20	1	12	3/4"	CONTROL PANEL RECEPTACLE
---	----	---	----	------	--------------------------

1	20	1	12	3/4	SCADA PANEL
2	20	1	10	2/4"	CITE MOUNTING

9	20	1	12	3/4"	SITE RECEPTACLES
---	----	---	----	------	------------------

10	20	1	12	3/4"	CONTROL PANEL A/C
----	----	---	----	------	-------------------

11	20	1	12	3/4"	SCADA PANEL A/C

12	20	1	12	3/4	SITE LIGHTING
13	20	1	12	3/4"	SITE LIGHTING

14	30	3	10 3/4" SPD

15 THRU 16	20	1		SPARES
------------	----	---	--	--------

## LOAD SUMMARY

ITEM	CONNECTED LOAD (VOLT-AMPS)		DEMAND LOAD (VOLT-AMPS)	
LIGHTING	992	X 125% =	1,240	
RECEPTACLES	720	X 100% =	720	
(First 10,000 Watts)				
LARGEST MOTOR (1.2 HP)	3,711	X 125% =	4,639	
REMAINING MOTORS	11,133	X 100% =	11,133	
MSC (SCADA PANEL, SCADA A/C)	1,086	X 100% =	1,086	
TOTAL	18,818 VA			
AMPERAGE (AT 208V/3P) :	53 A			

## ELECTRICAL RISER DIAGRAM

SCALE: NONE



