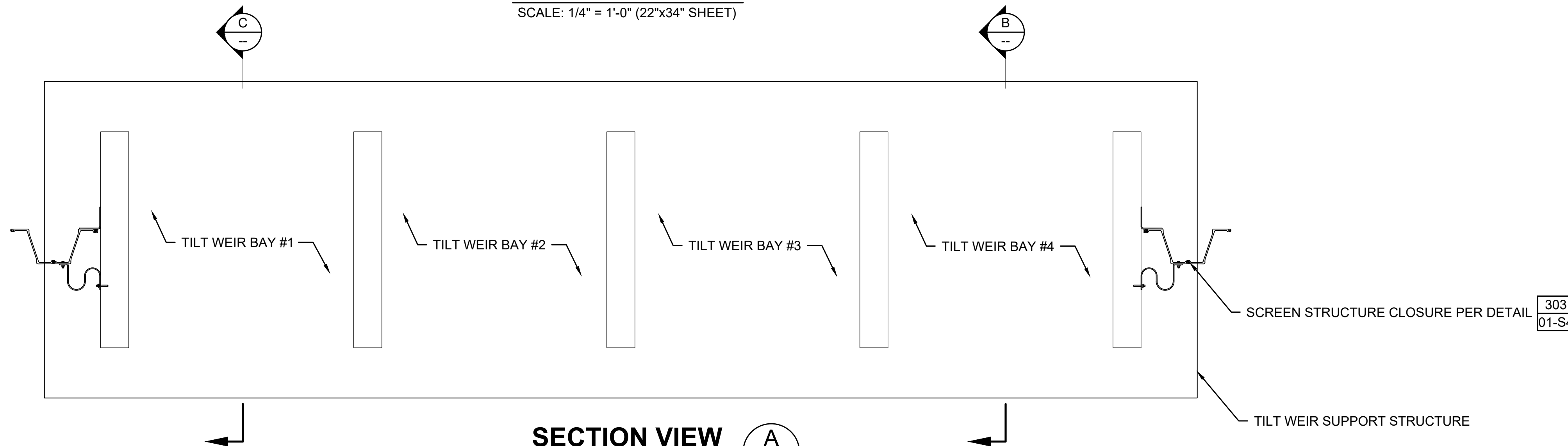
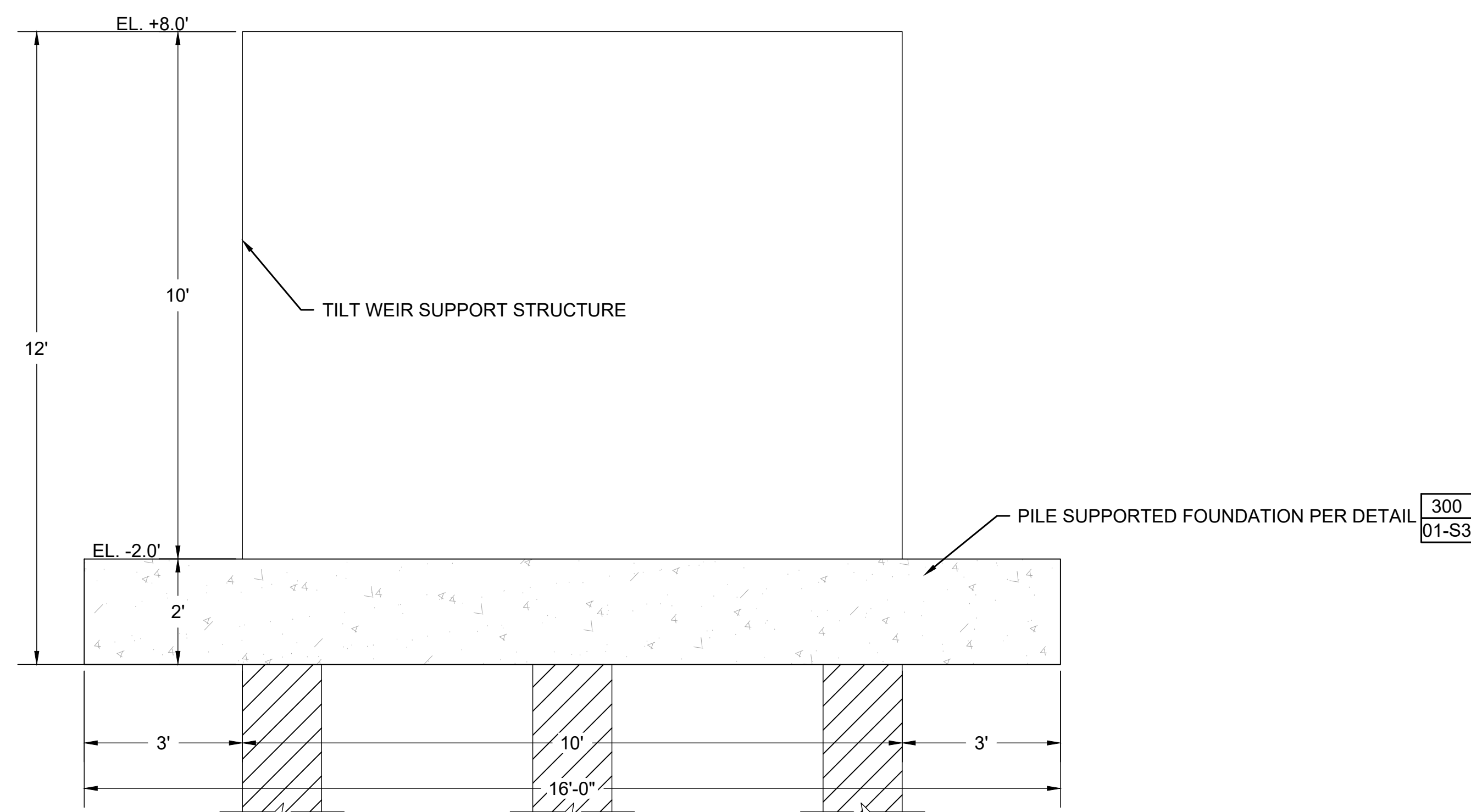


NOTE:  
SEE SHEET 01-S2 FOR STEEL DETAILS

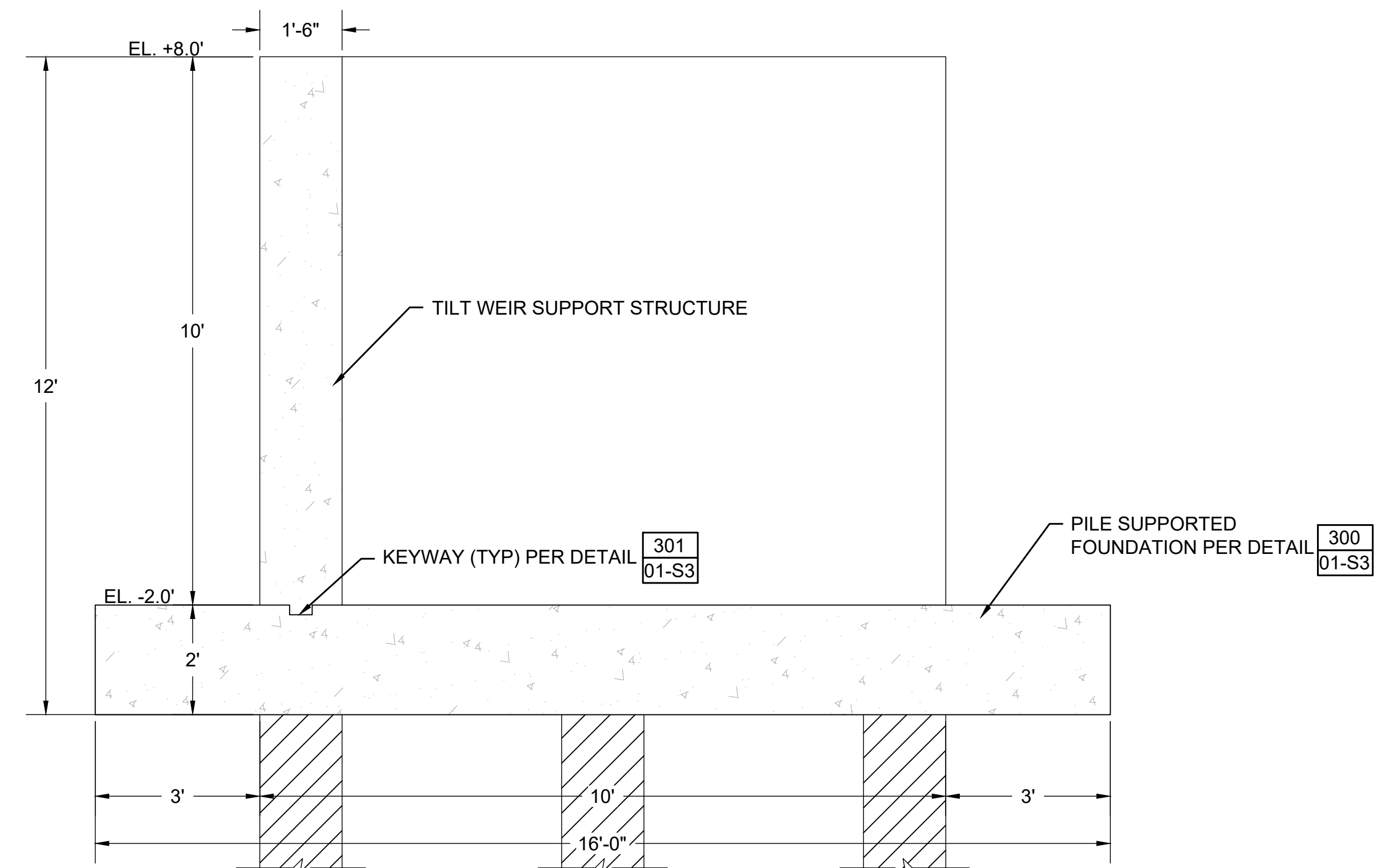
**ELEVATION VIEW**  
SCALE: 1/4" = 1'-0" (22"x34" SHEET)



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



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



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



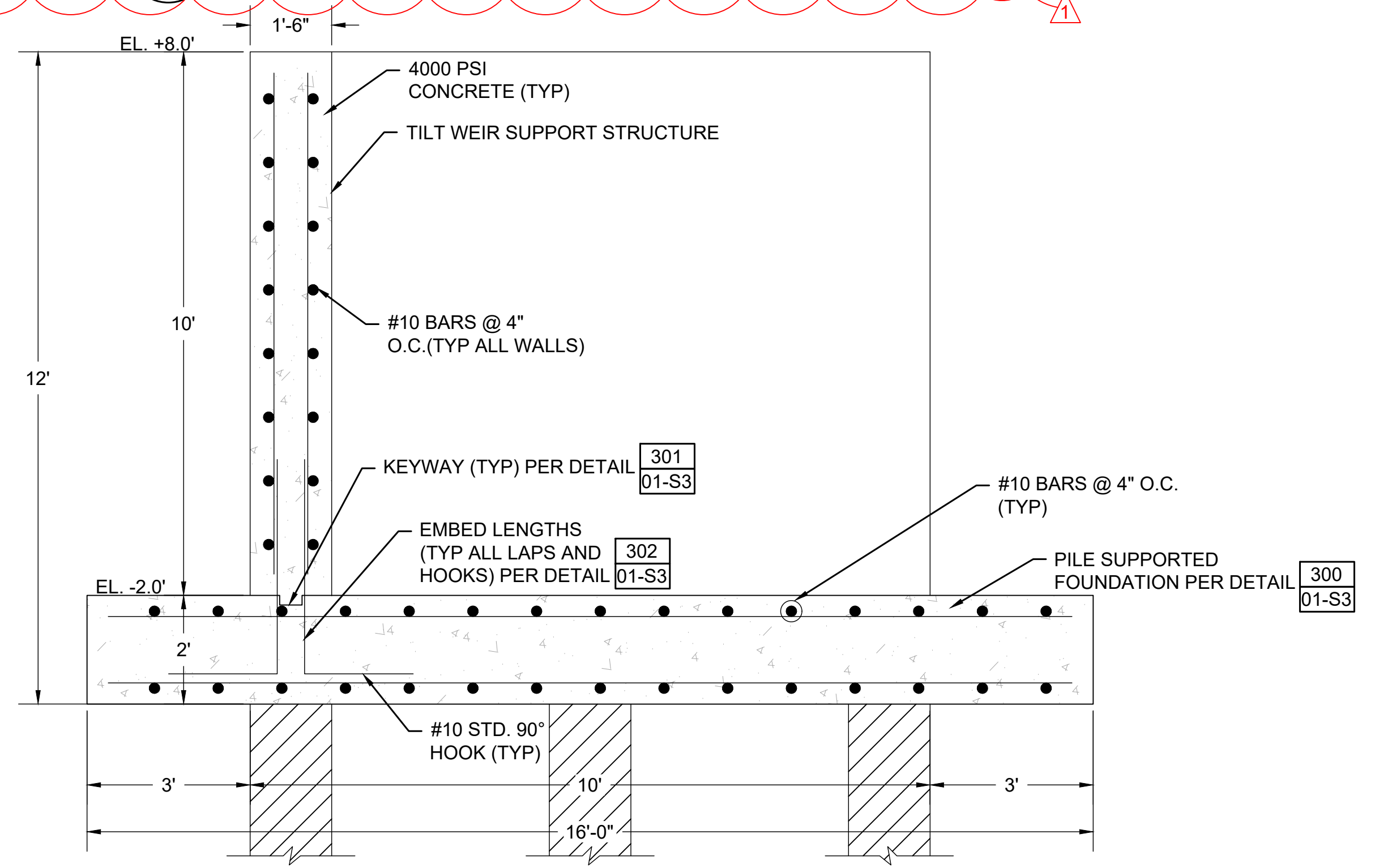
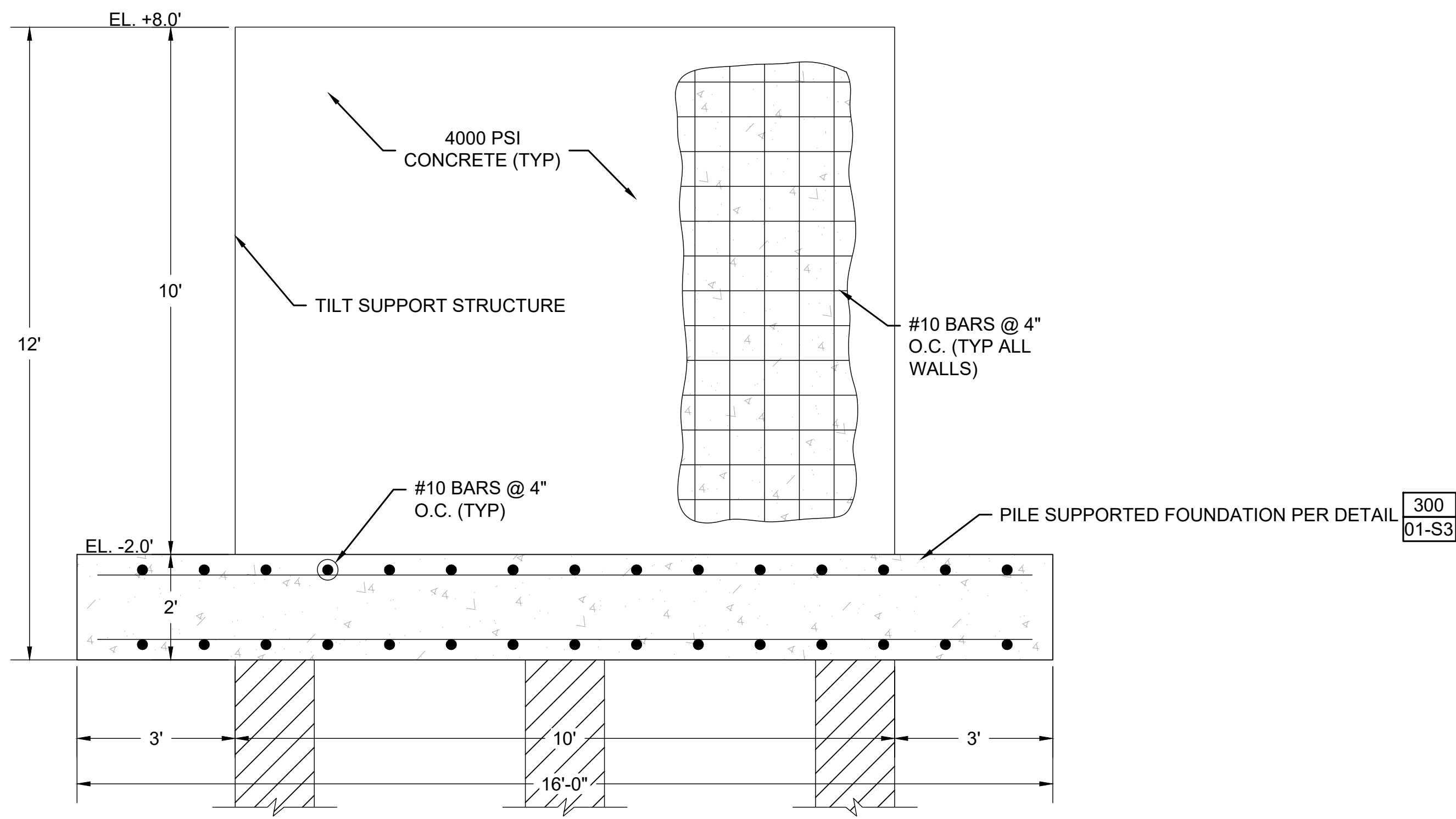
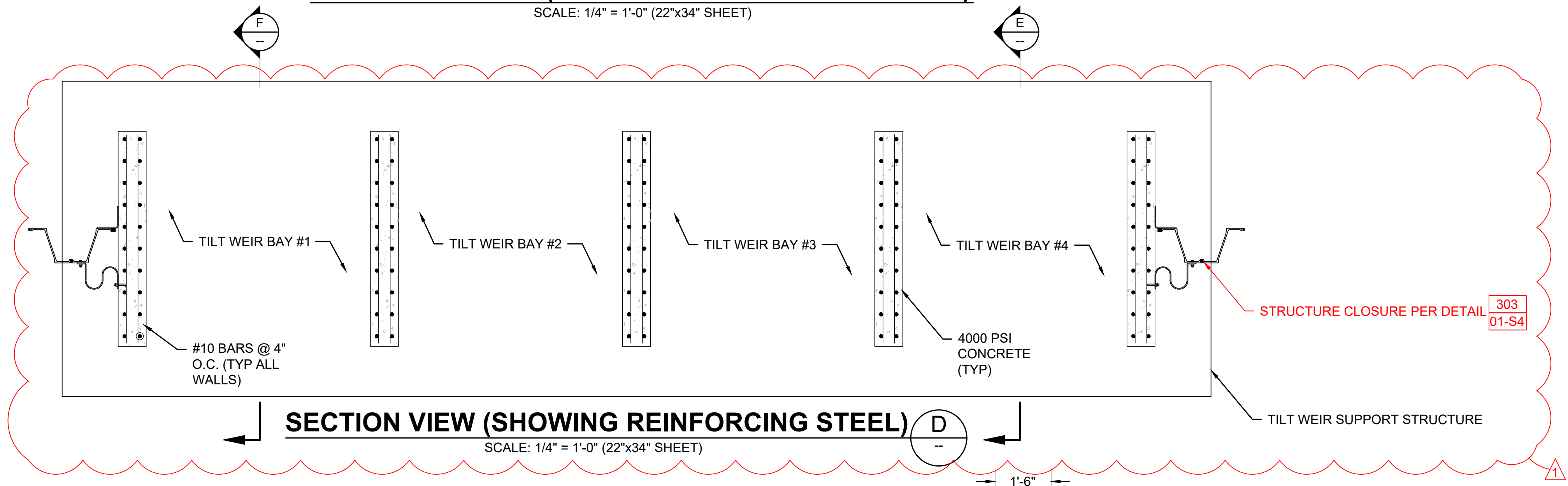
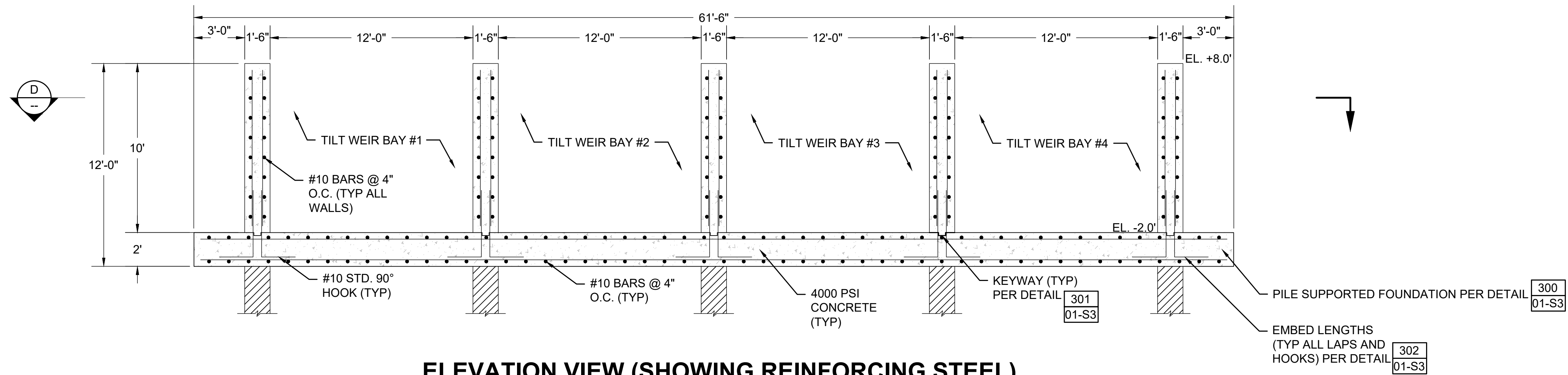
**WARNING**  
IF THIS DRAWING IS USED FOR CONSTRUCTION, THE USER MUST VERIFY THE ACCURACY OF THE INFORMATION SHOWN HEREIN. THE DRAWING IS NOT TO SCALE.

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

MARK	DATE	DESCRIPTION	BY	CHKD
Δ	10/31/22	ADDENDUM #1	RM	HDC

DESIGNED BY:	DATE:	DRAWN BY:	Detailed by:	Checked by:
HDC	Oct-22	RM	RM	HDC

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



**WARNING**  
IF THIS SHEET DOES NOT MEET YOUR REQUIREMENTS, PLEASE CONTACT THE ENGINEER IMMEDIATELY. THIS DRAWING IS NOT TO SCALE.

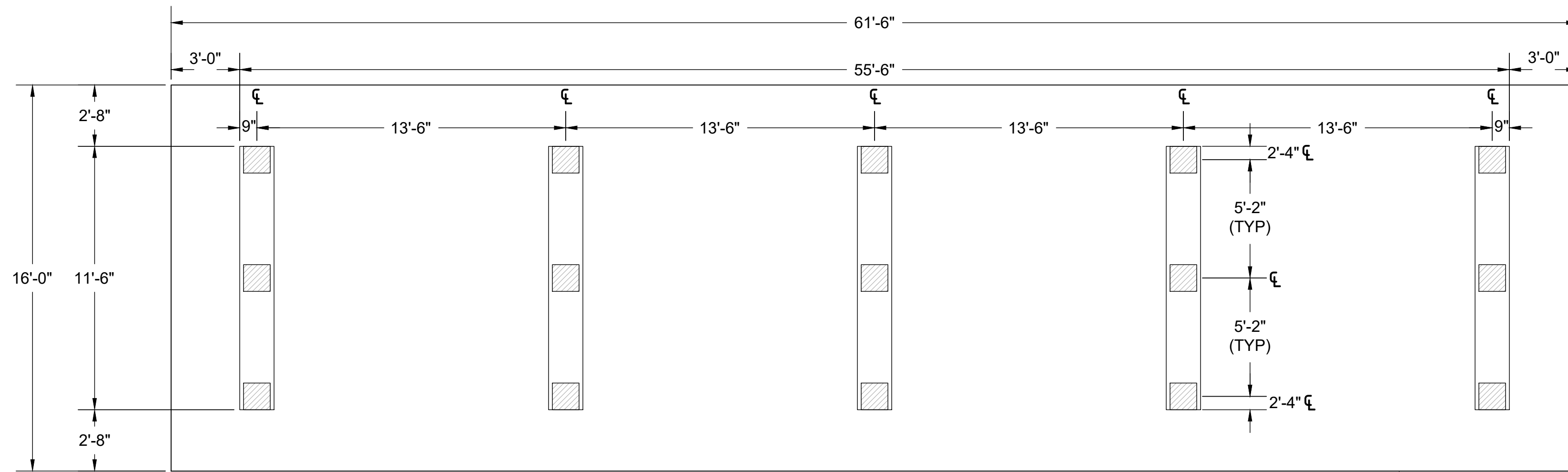
**HDC**  
H. Davis Cole & Associates, LLC  
Civil Engineers  
NEW ORLEANS, LA

NO.	DATE	DESCRIPTION	BY	CHKD
1	10/31/22	ADDENDUM #1	HDC	HDC

DESIGNED BY:	DATE:	DRAWN BY:	Detailed by:	PROJECT NO.	DATE:	CHECKED BY:
HDC	Oct-22	RM	RM	HDC PROJECT NO.	2021-14	HDC

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





**PILE LEGEND:**

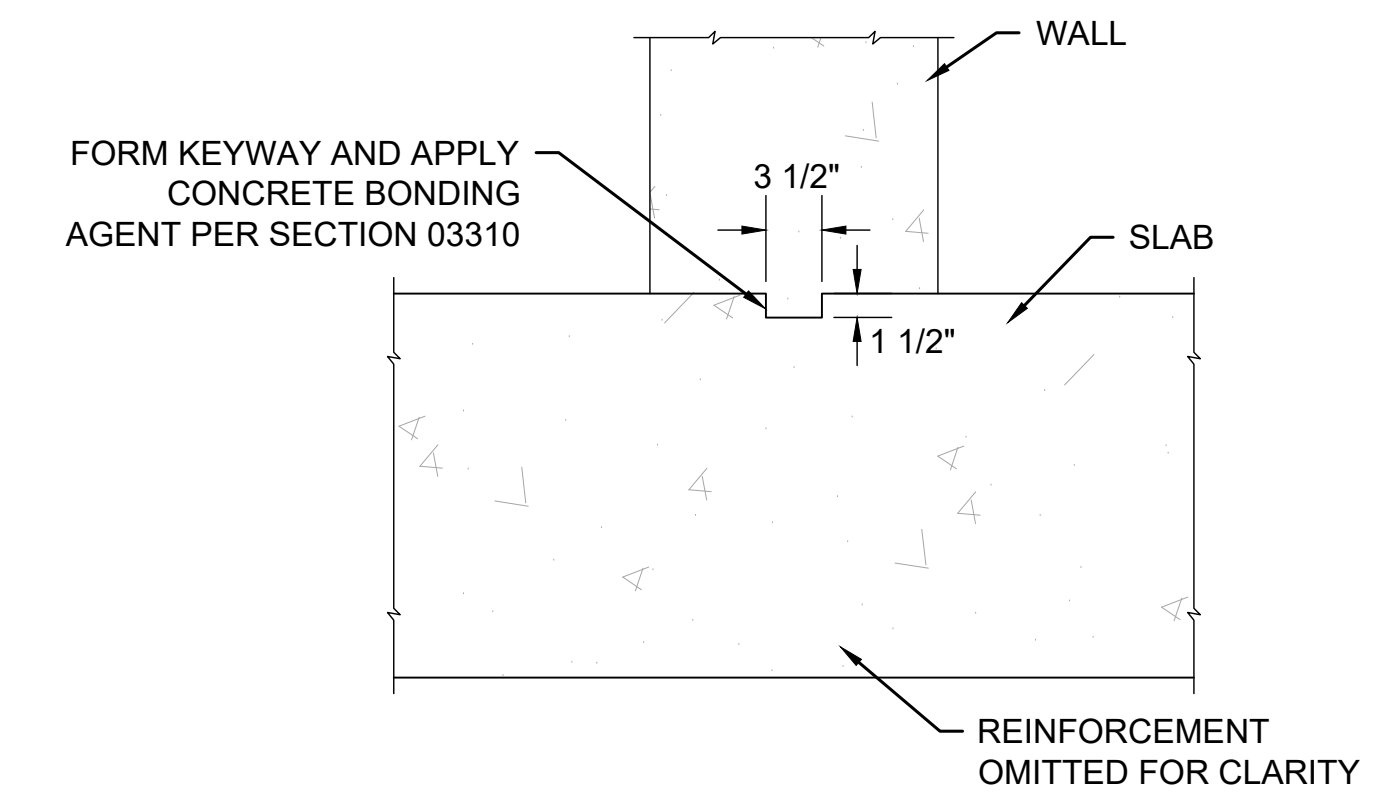
-14"x14" PRE-STRESSED CONCRETE PILE PER SECTION 02362)

BOT EL = -43.0'  
TOP EL = -3.0'

TILT WEIR SUPPORT STRUCTURE

**PILE PLAN**

SCALE: 1/4" = 1'-0" (22"x34" SHEET) 300

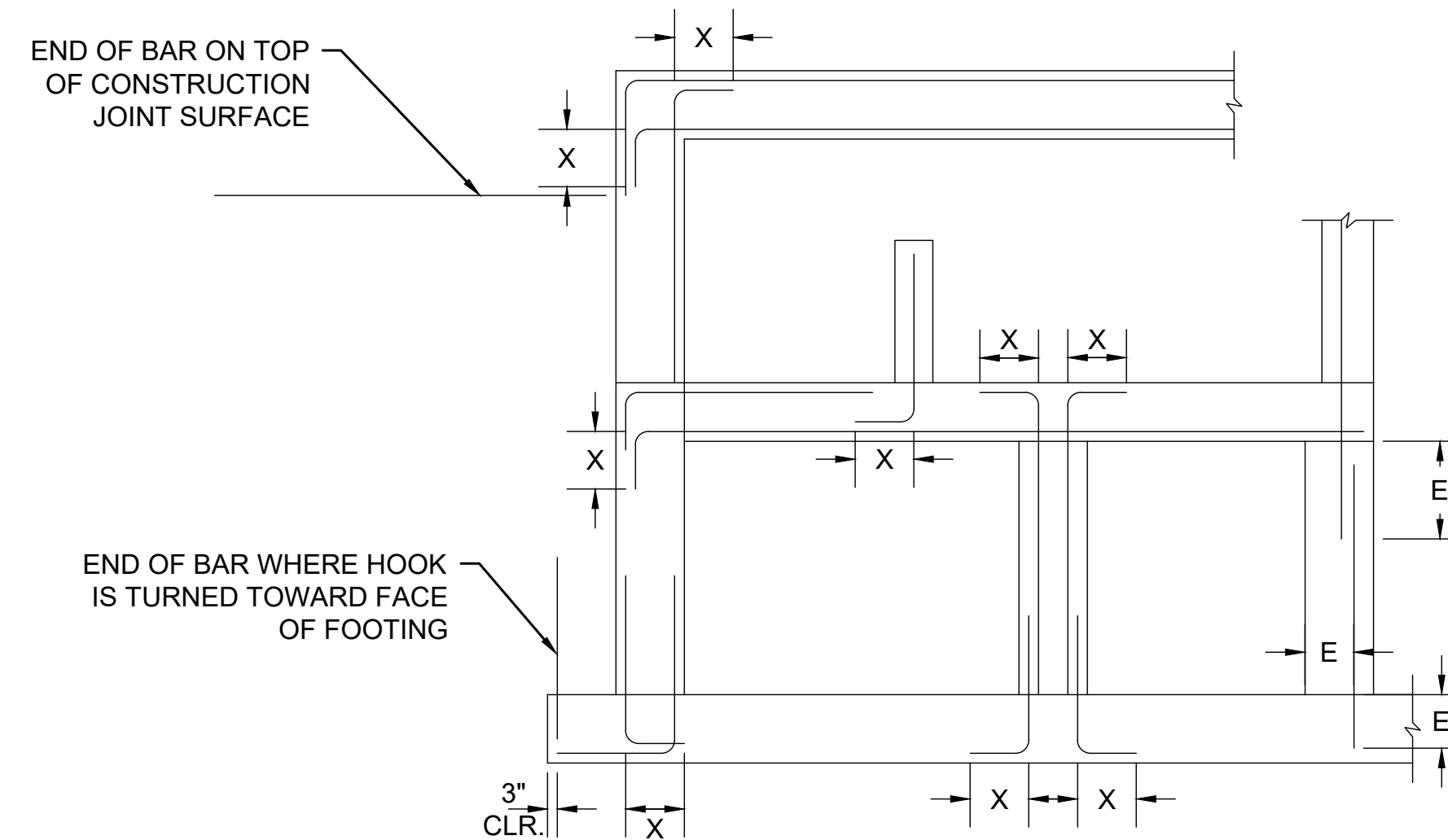


**TYPICAL KEYWAY FORM**

SCALE: 1" = 1'-0" (22"x34" SHEET) 301

LENGTH (INCHES)			
REBAR SIZE	HOOK "X"	LAP	EMBEDMENT "E"
#3	6"	18"	12"
#4	8"	18"	12"
#5	10"	23"	12"
#6	12"	28"	12"
#7	14"	33"	12"
#8	16"	SEE TABLE BELOW	SEE TABLE BELOW
#9	19"		
#10	22"		
#11	24"		

REBAR SIZE	LENGTH (INCHES)					
	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)	REBAR SPACING (CENTER TO CENTER)	REBAR SPACING (CENTER TO CENTER)	REBAR SPACING (CENTER TO CENTER)
	< 8"	≥ 8"	< 8"	≥ 8"	< 8"	≥ 8"
<b>LAP</b>						
#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"
<b>EMBEDMENT "E"</b>						
#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"



**STANDARD BAR HOOKS AND EMBED LENGTHS**

SCALE: 1/4" = 1'-0" (22"x34" SHEET) 302

**NOTES:**

1. USE LAP LENGTHS AS DETERMINED FROM THESE TABLE UNLESS SHOWN OTHERWISE.
2. THE TABLES SHOWN HERE ARE FOR Fc - 4000 psi AND Fy - 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.



**WARNING**

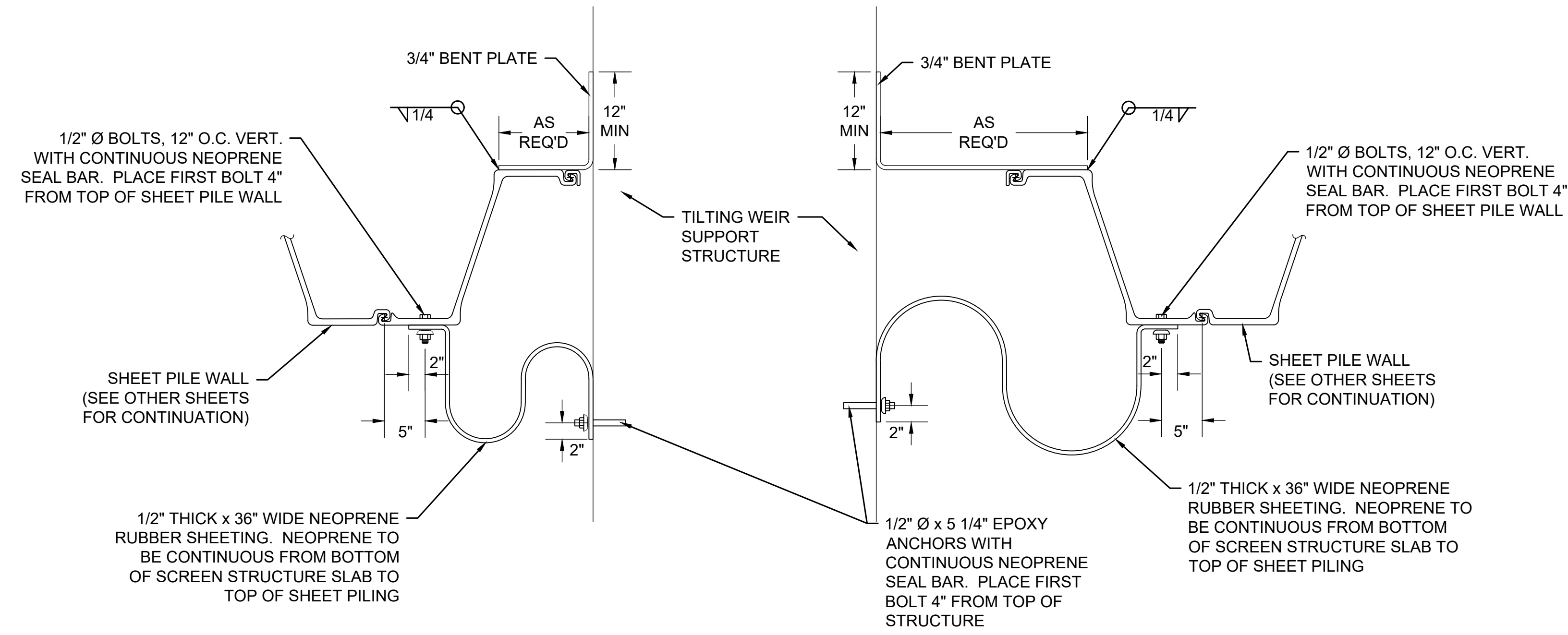
IF THIS BAR DOES NOT MEET THE REQUIREMENTS OF SECTION 02362, THE DRAWING IS NOT TO SCALE.



REVISION RECORD	
MARK	DESCRIPTION
Δ	10/31/22
HDC	DATE
HDC	BY
HDC	CHKD

DESIGNED BY:	HDC
DRAWN BY:	RM
CHECKED BY:	HDC
DATE:	Oct-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  
TILTING WEIR STRUCTURAL DETAILS



**SHEET PILE STRUCTURE CLOSURE** 303  
SCALE: N.T.S. 01-C1



**WARNING**

IF THIS SEAL DOES NOT MEASURE UP  
(BASED ON 1/2" x 3/4" SHEET THEN  
DRAWING IS NOT TO SCALE.



MARK	DATE	DESCRIPTION	BY	CHKD
▲	10/31/22	ADDENDUM #1	HDC	HDC

DESIGNED BY:	DATE:	DRAWN BY:	Detailed by:	Checked by:
HDC	Oct-22	RM	RM	HDC

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**