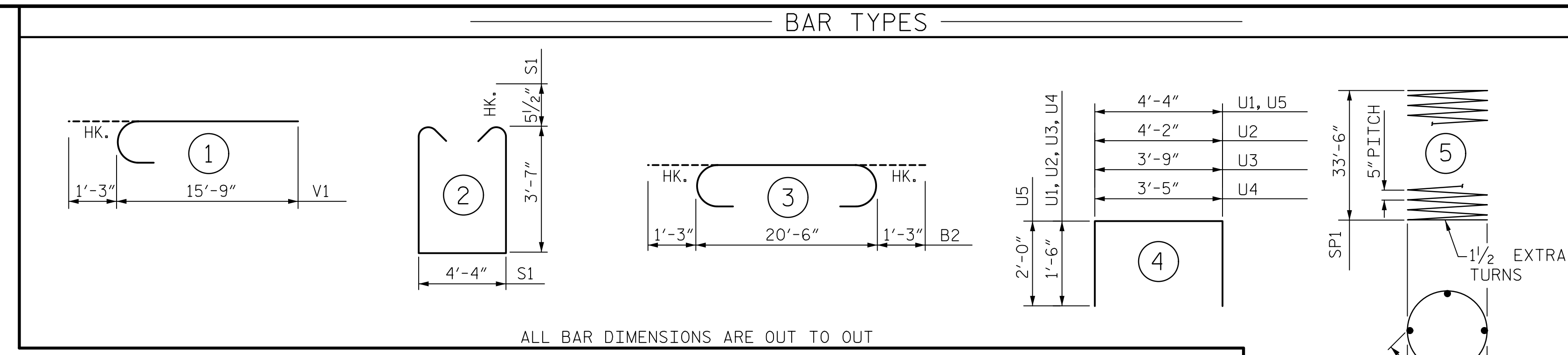
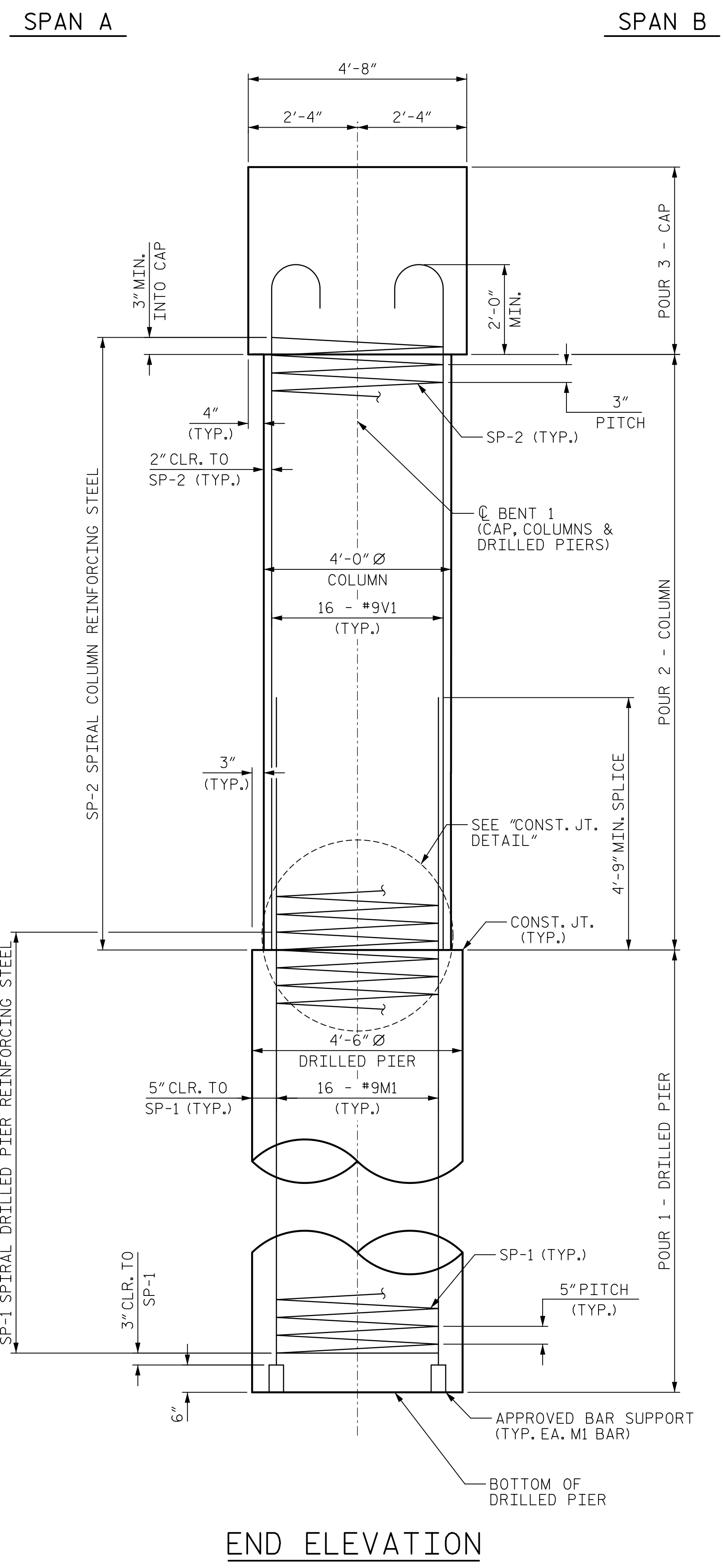


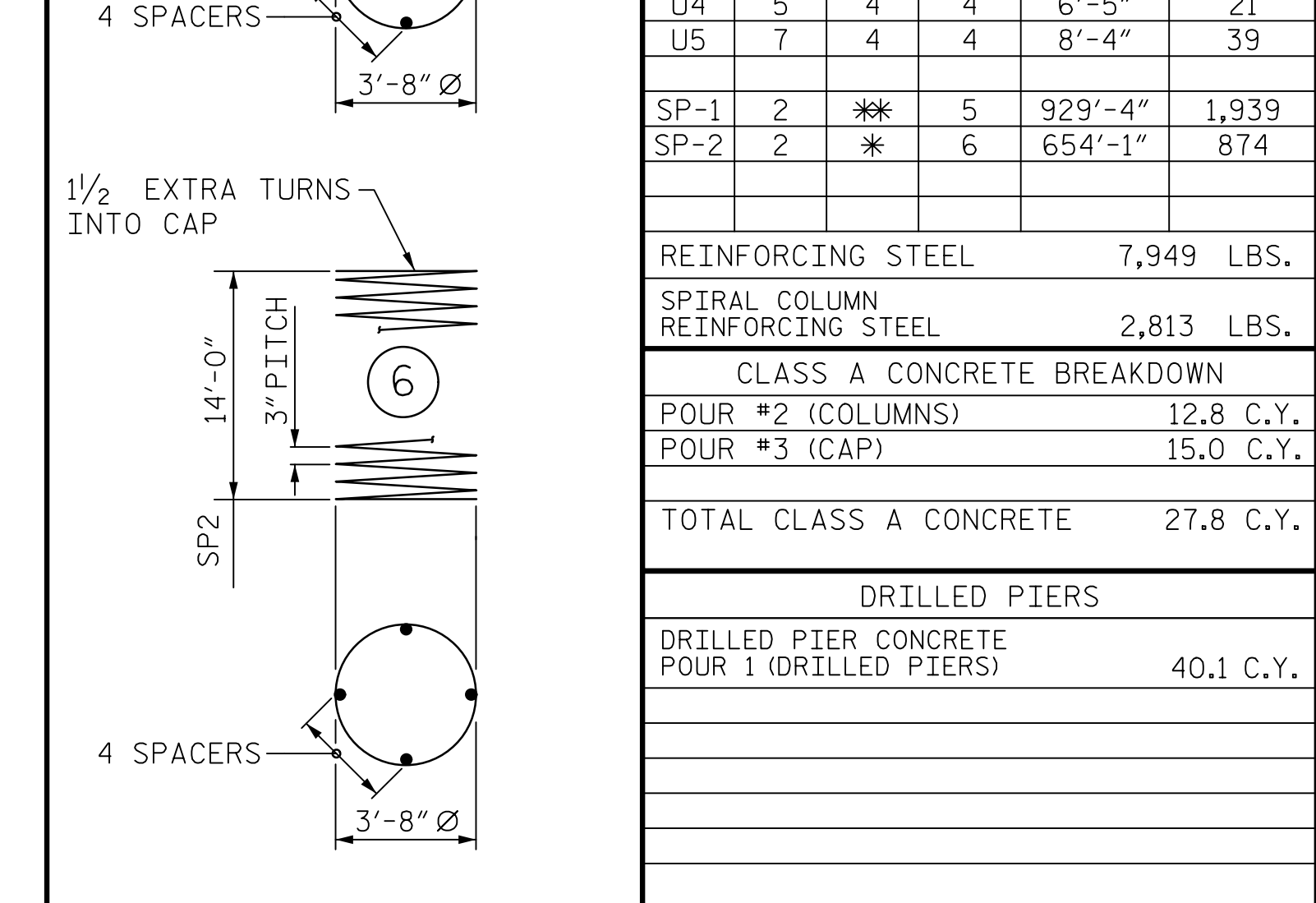
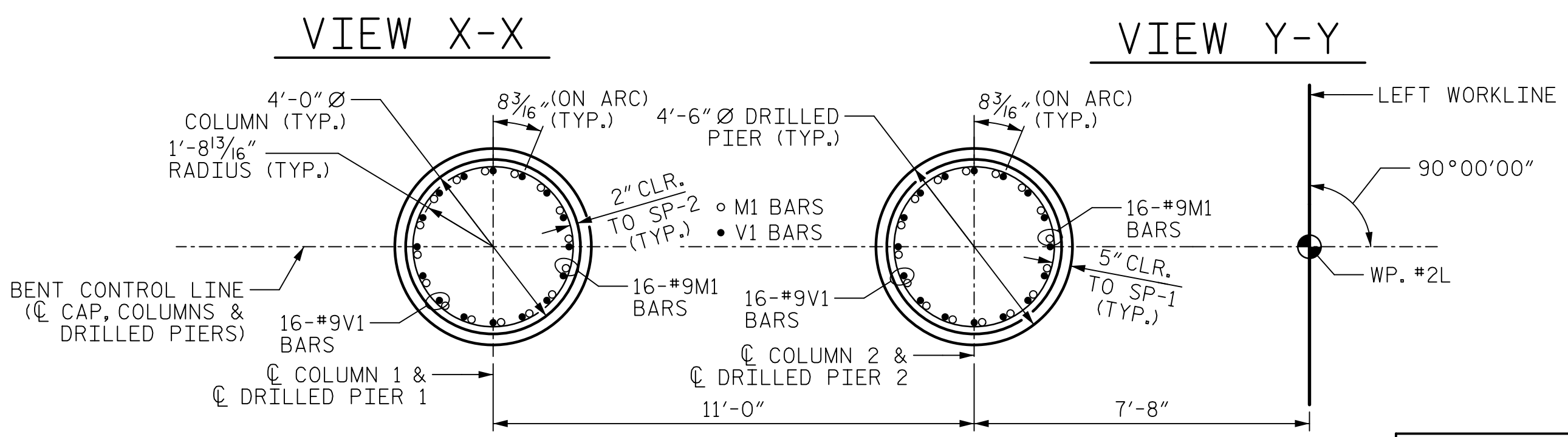
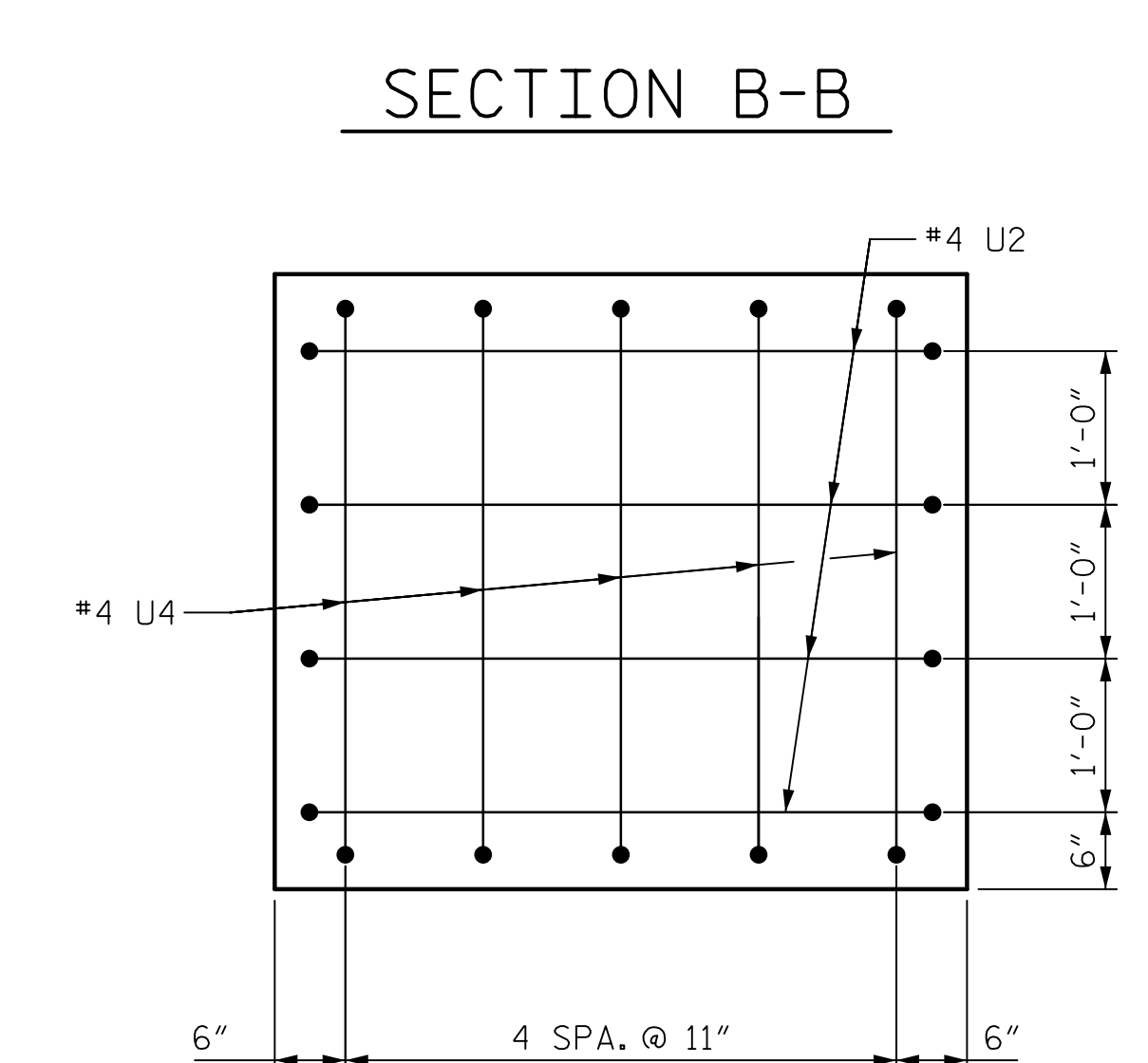
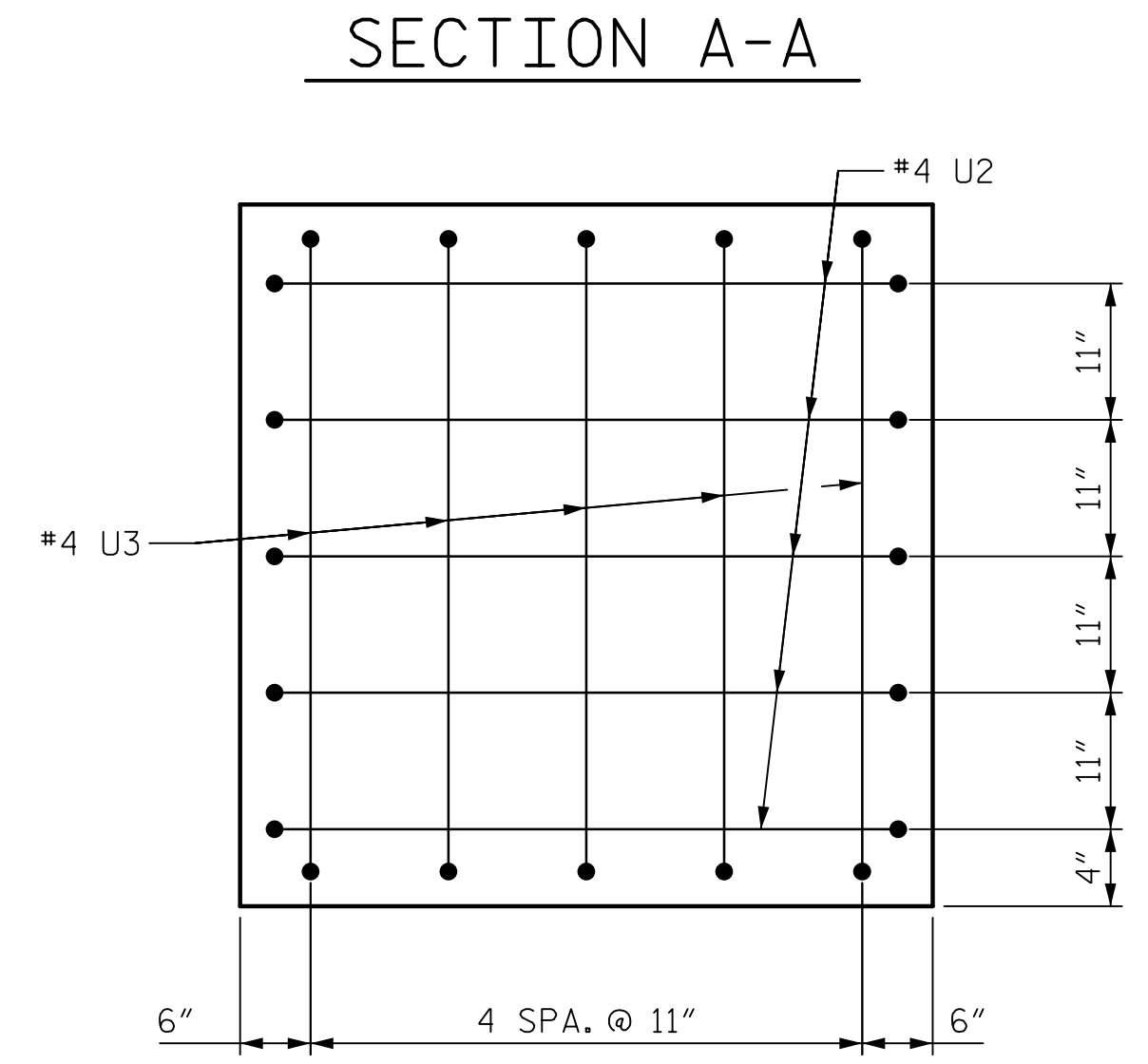
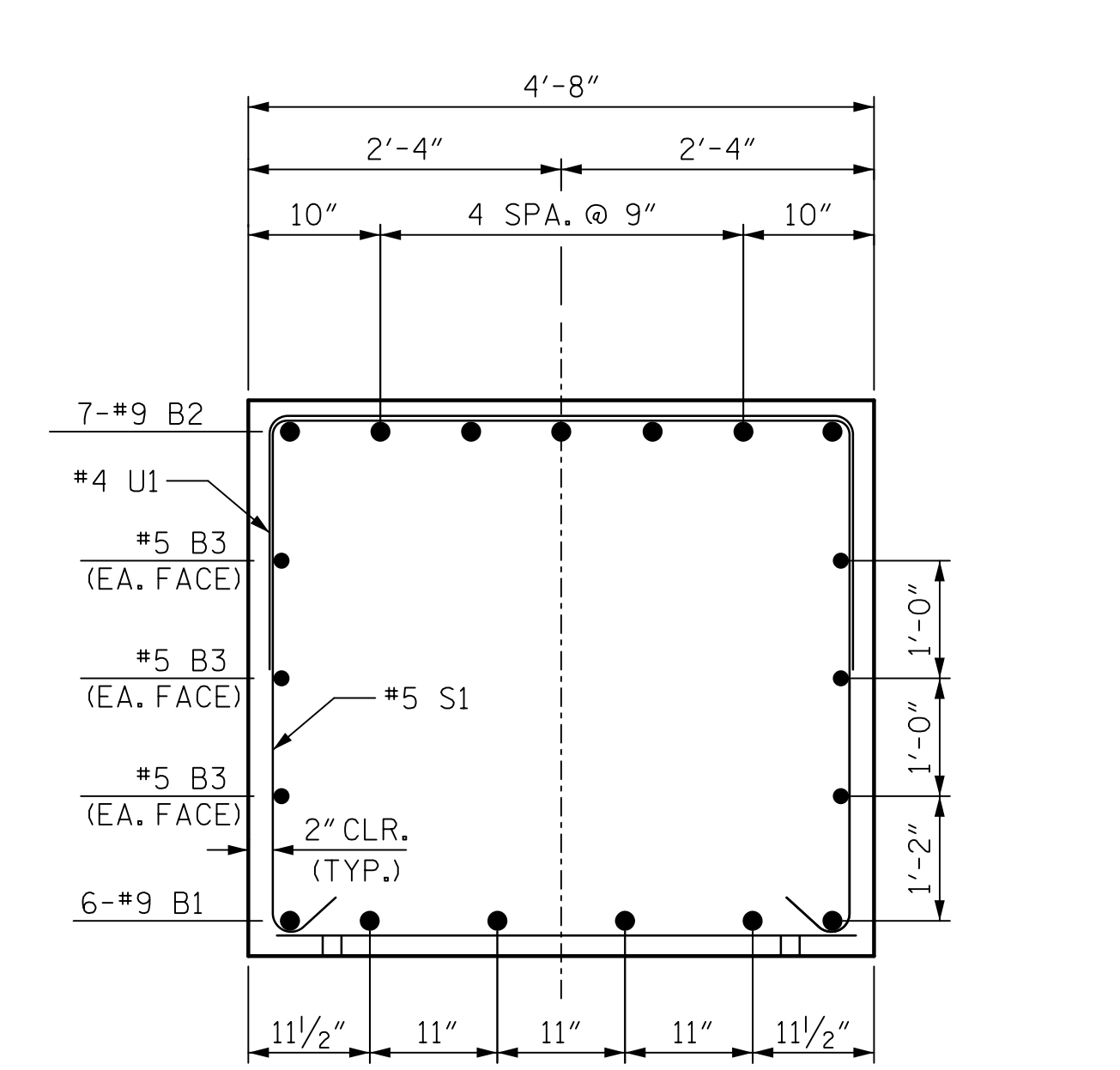
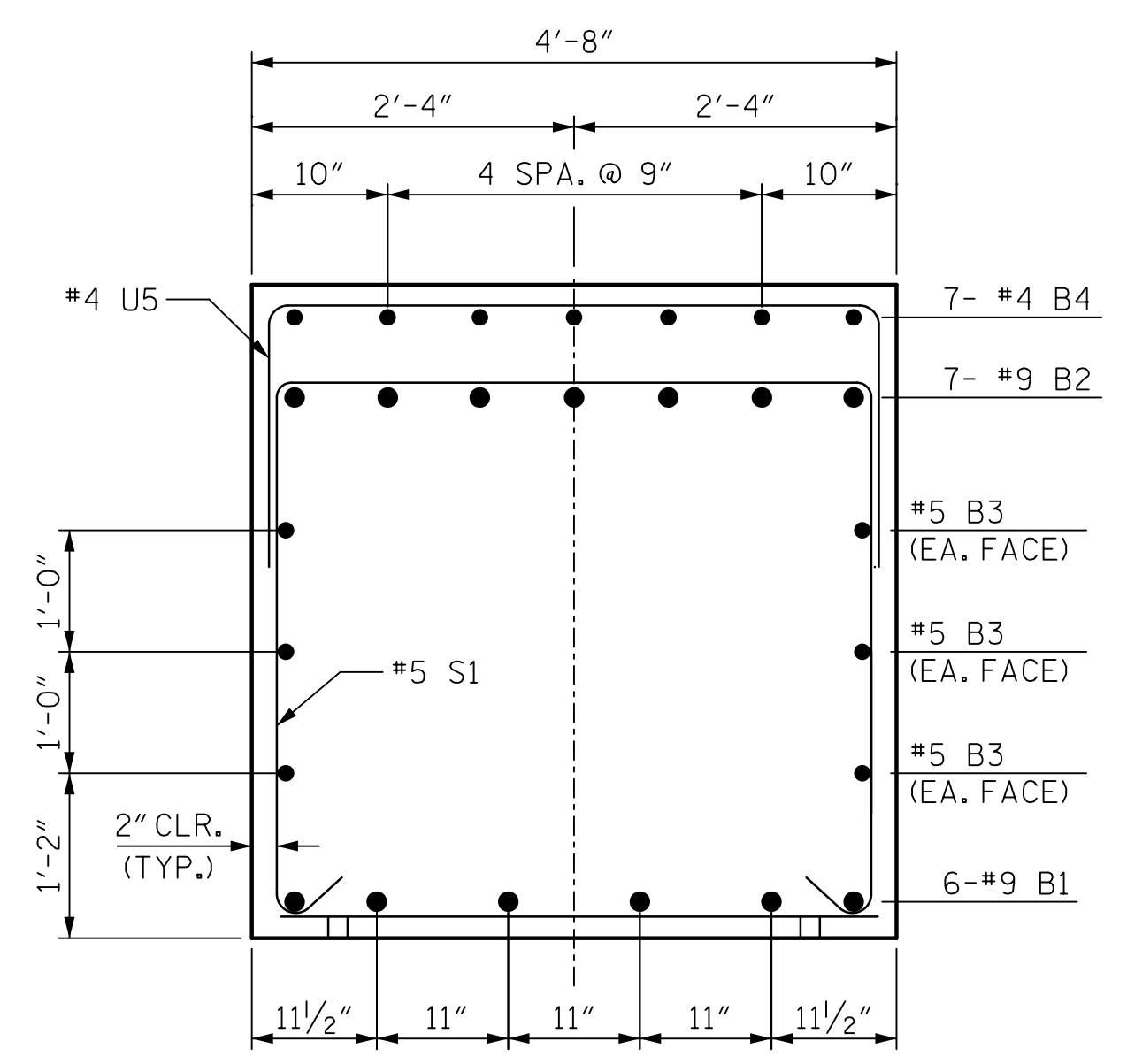
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 USER: catter, pwj@acem.com DS21.MA\_2020\Documents\60609754-U-5748 Ugon\_MIT900-CAD GIS\910-CAD\70\_MCDOT\_TIF\Structures\04\_Drawing\402\_CBI-U-5748\_S&U\_B1\_2\_S2-40\_910131



**BILL OF MATERIAL**

**BENT 1**

BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	9	STR	20'-8"	422
B2	7	9	3	23'-0"	547
B3	6	5	STR	20'-8"	129
B4	7	4	STR	4'-4"	20
M1	32	9	STR	41'-3"	4,488
V1	32	9	1	17'-0"	1,850
S1	23	5	2	12'-5"	298
U1	14	4	4	7'-4"	69
U2	9	4	4	7'-2"	43
U3	5	4	4	6'-9"	23
U4	5	4	4	6'-5"	21
U5	7	4	4	8'-4"	39
SP-1	2	**	5	929'-4"	1,939
SP-2	2	*	6	654'-1"	874
				<b>REINFORCING STEEL</b>	<b>7,949 LBS.</b>
				<b>SPIRAL COLUMN REINFORCING STEEL</b>	<b>2,813 LBS.</b>
					<b>CLASS A CONCRETE BREAKDOWN</b>
				<b>POUR #2 (COLUMNS)</b>	<b>12.8 C.Y.</b>
				<b>POUR #3 (CAP)</b>	<b>15.0 C.Y.</b>
				<b>TOTAL CLASS A CONCRETE</b>	<b>27.8 C.Y.</b>
					<b>DRILLED PIERS</b>
				<b>DRILLED PIER CONCRETE POUR 1 (DRILLED PIERS)</b>	<b>40.1 C.Y.</b>



\*THE "SP-1" SPIRAL REINFORCING STEEL SHALL BE W21 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

\*THE "SP-2" SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

**PROJECT NO. U-5748**

**WAKE COUNTY**

**STATION: 24+88.00 -L-**

SHEET 2 OF 2

DRAWN BY : M. CATER      DATE : 12/2022  
 CHECKED BY : J. MORRISON      DATE : 12/2022  
 DESIGNED BY : B. LEROY      DATE : 11/2022  
 DESIGN CHECKED BY : J. MORRISON      DATE : 11/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**AECOM**

AECOM TECHNICAL SERVICES OF NC, INC.  
5438 WADE PARK BOULEVARD, SUITE 200  
RALEIGH, NC 27607  
(919) 854-4200      www.aecom.com  
AECOM License No. F-0342

**SEAL**  
030474  
JOHN C. MORRISON  
ENGINEER

2/10/2023

STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**  
RALEIGH

**SUBSTRUCTURE**

**BENT 1**

**(SOUTHBOUND LANES)**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-40
1			3			TOTAL SHEETS
2			4			119