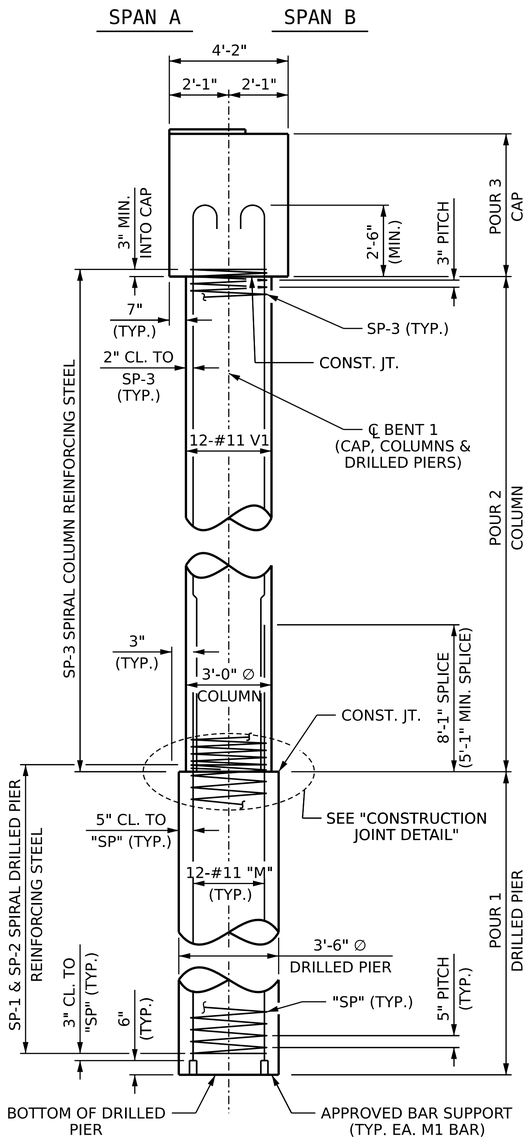
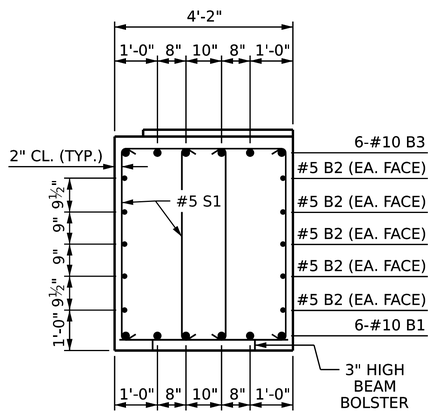
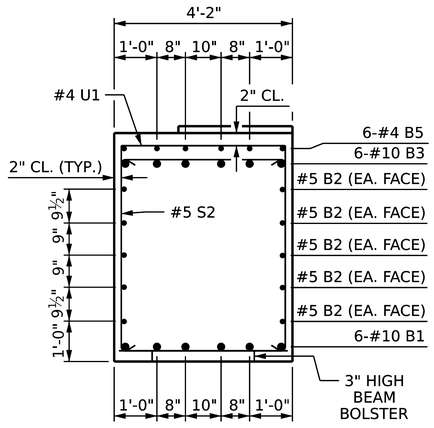
DocuSign Envelope ID: 7EA0CC79-D1C0-4445-AA5C-E8AA7E7B4253



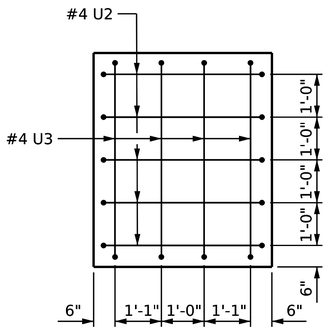
END ELEVATION



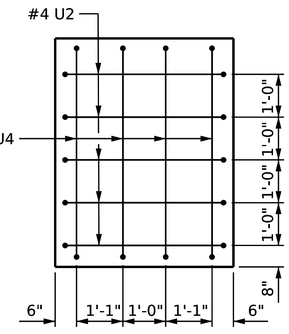
SECTION A-A



SECTION B-B

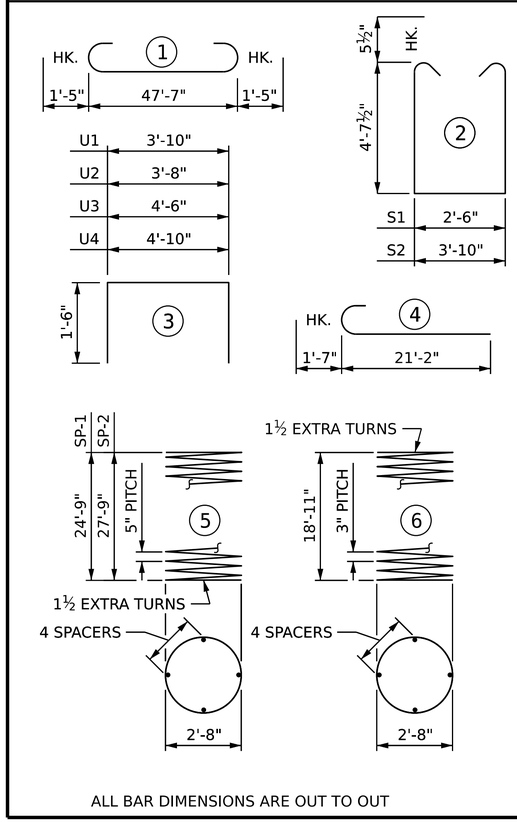


VIEW X-X



VIEW Y-Y

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

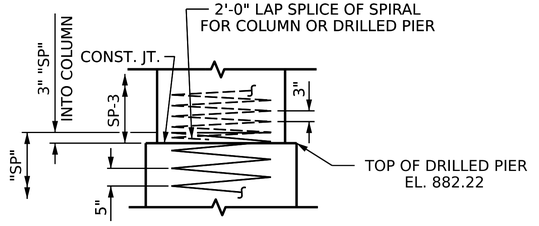
BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#10	STR	47'-9"	1233
B2	10	#5	STR	47'-9"	498
B3	6	#10	1	50'-5"	1302
B4	12	#4	STR	10'-7"	85
B5	6	#4	STR	15'-5"	62
M1	12	#11	STR	32'-10"	2093
M2	24	#11	STR	35'-10"	4569
S1	20	#5	2	12'-8"	264
S2	44	#5	2	14'-0"	642
U1	62	#4	3	6'-10"	283
U2	10	#4	3	6'-8"	45
U3	4	#4	3	7'-6"	20
U4	4	#4	3	7'-10"	21
V1	36	#11	4	22'-9"	4351
SP-1	1	*	5	503'-9"	525
SP-2	2	*	5	569'-9"	1188
SP-3	3	**	6	641'-0"	1285

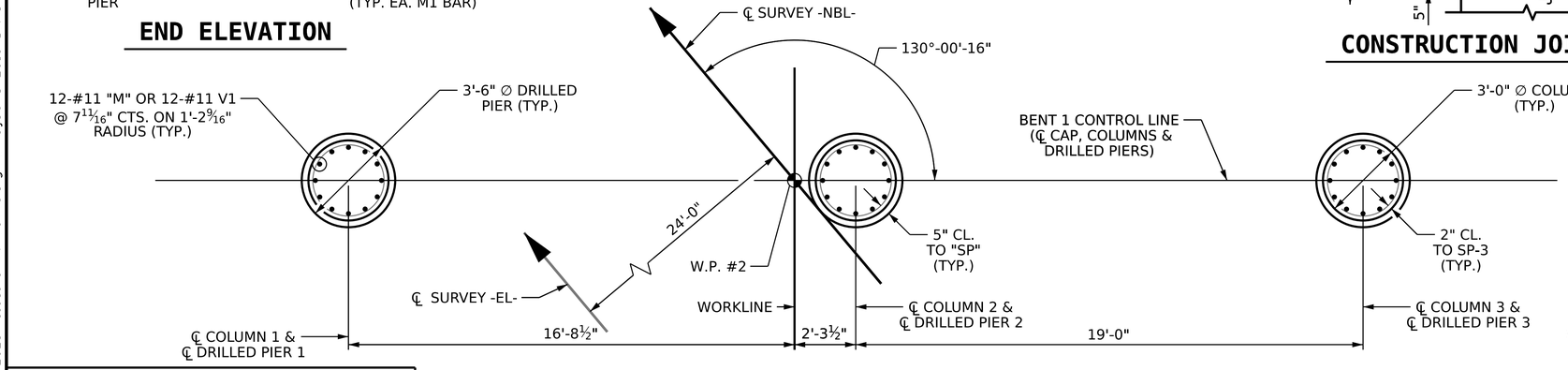
REINFORCING STEEL	15468 LB
SPIRAL COL. REINF. STEEL	2998 LB
CLASS ``A" CONCRETE BREAKDOWN	
POUR 2 (COLUMNS)	14.7 CY
POUR 3 (CAP)	39.4 CY
TOTAL	54.1 CY
DRILLED PIERS:	
DRILLED PIER CONCRETE	
POUR 1 (DRILLED PIERS)	29.1 CY

* THE "SP-1" & "SP-2" SPIRAL REINFORCING STEEL SHALL BE W21 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

** THE "SP-3" SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFOMED BAR.



CONSTRUCTION JOINT DETAIL



PLAN OF DRILLED PIERS AND COLUMNS

PROJECT NO. B-5783
DAVIDSON COUNTY
STATION: 21+13.32 -NBL-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE

BENT 1

DRAWN BY : S.D. COOPER DATE : 12-22
CHECKED BY : J.A. BATTS DATE : 12-22
DESIGN ENGINEER OF RECORD: J.A. BATTS DATE : 12-22

WGI
5640 Dillard Drive, Suite 200
Cary, NC 27518
LICENSURE NO. C-4434

NORTH CAROLINA PROFESSIONAL SEAL 18056 ENGINEER JOHN A. BATTS
3/21/2023 | 5:57 AM PDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-31
1			3			TOTAL SHEETS
2			4			40

3/21/2023 8:05:49 AM P:\Raleigh\Projects\2019\Division 9 (Davenport)\B-5783\Structures\Drawings(NEW)\Final\280164_NB\B-5783_SMU_B1_280164.dgn