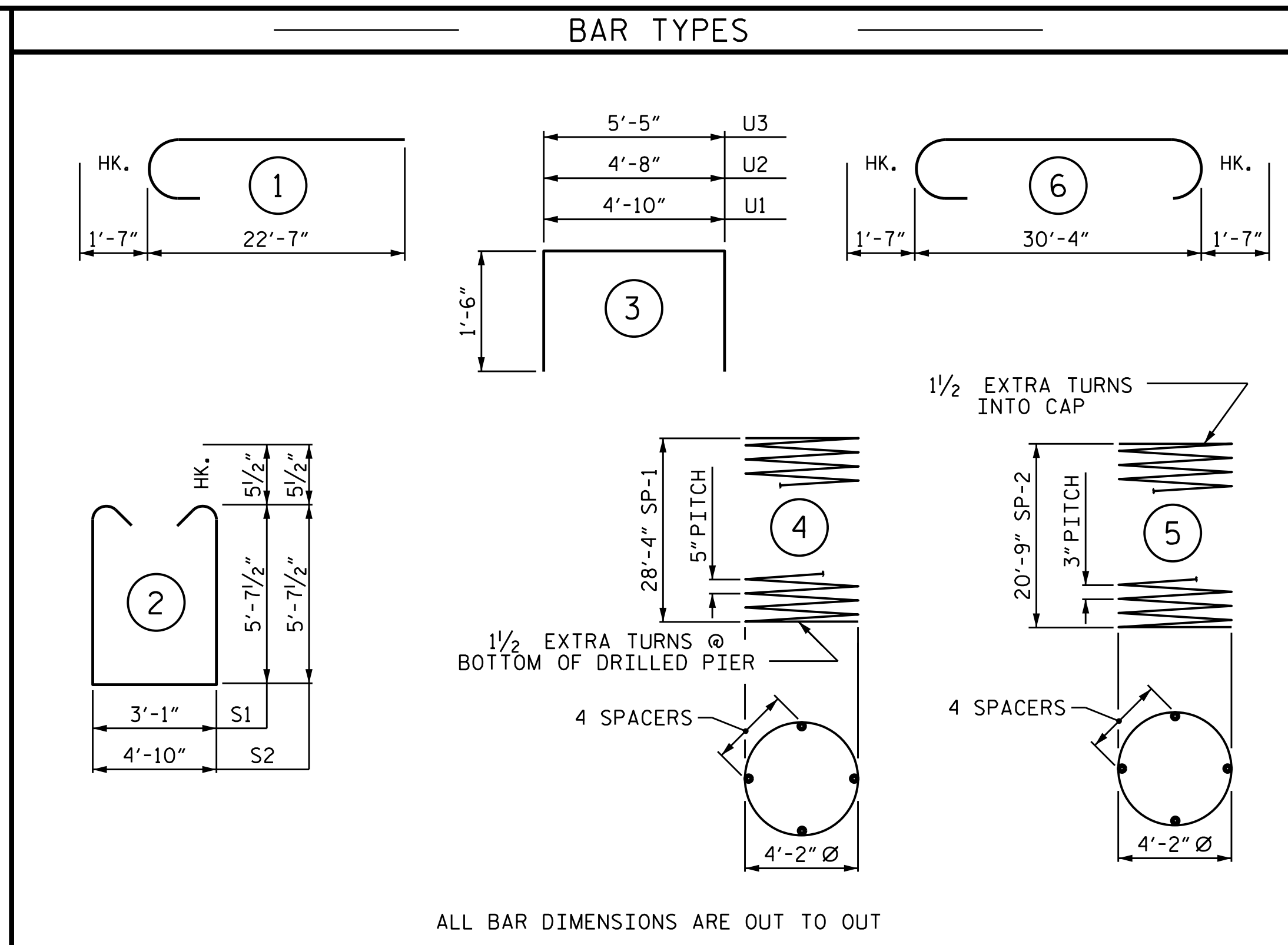
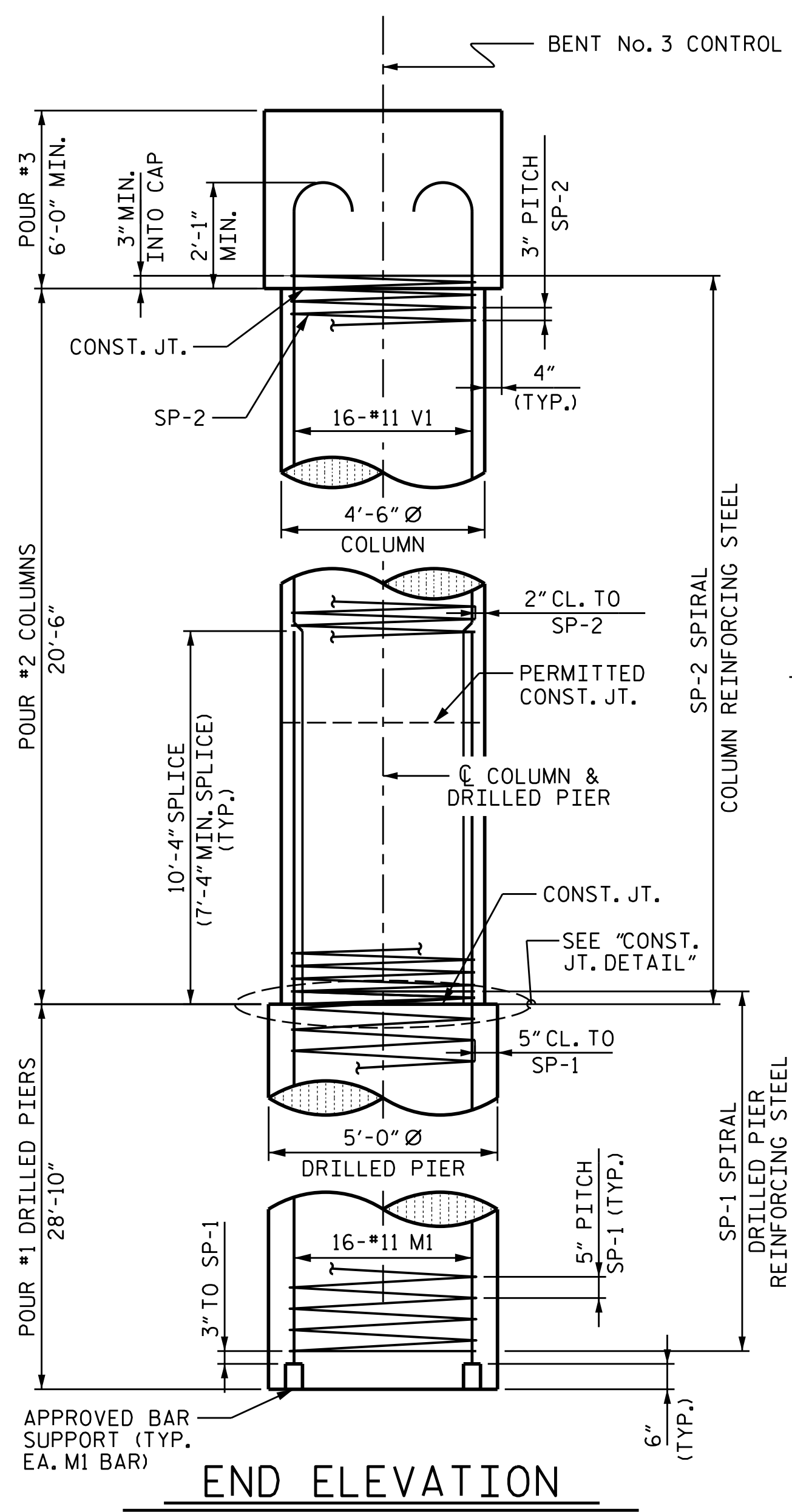


PLAN OF DRILLED PIERS & COLUMNS
DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR EACH COLUMN & DRILLED PIER.

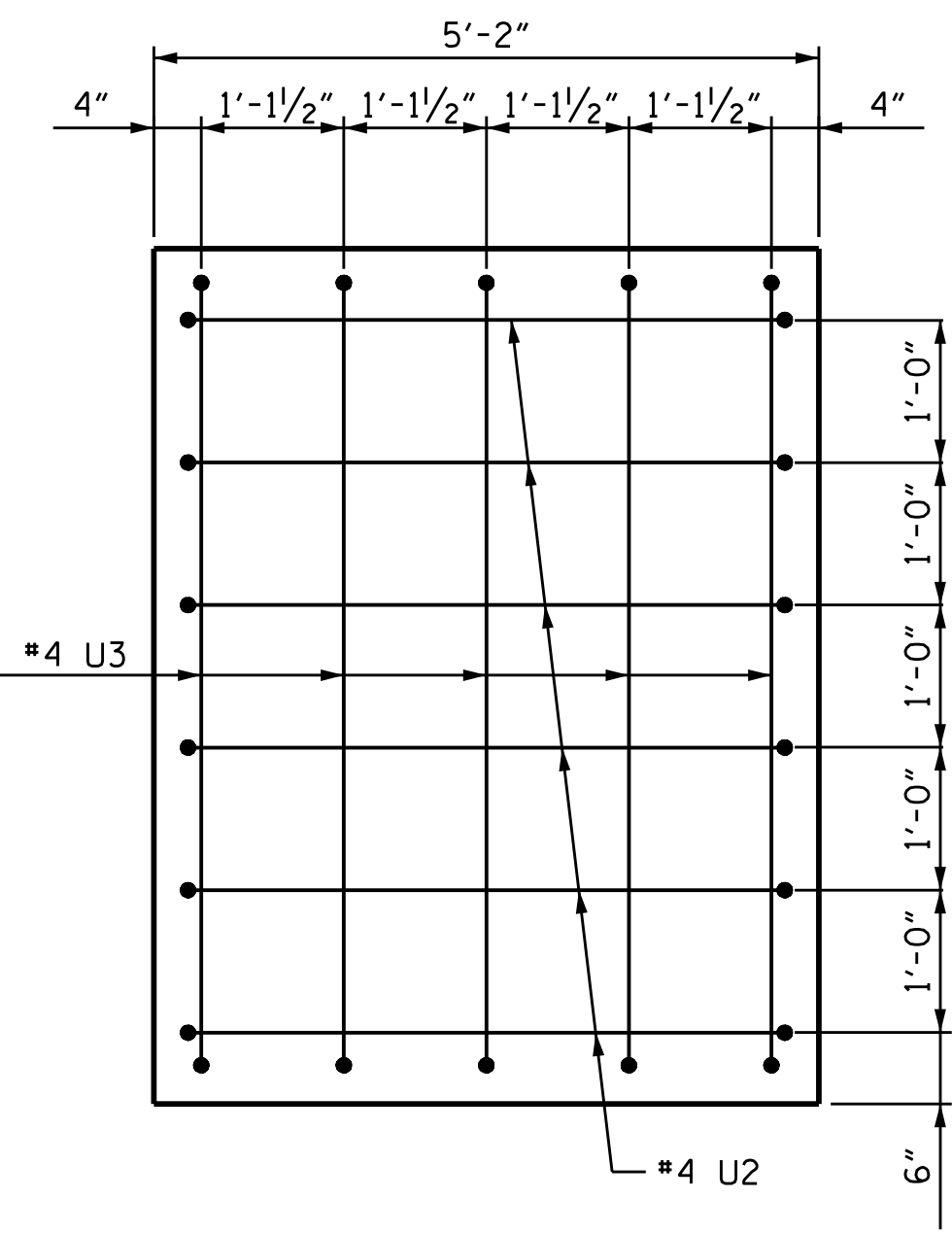


ALL BAR DIMENSIONS ARE OUT TO OUT

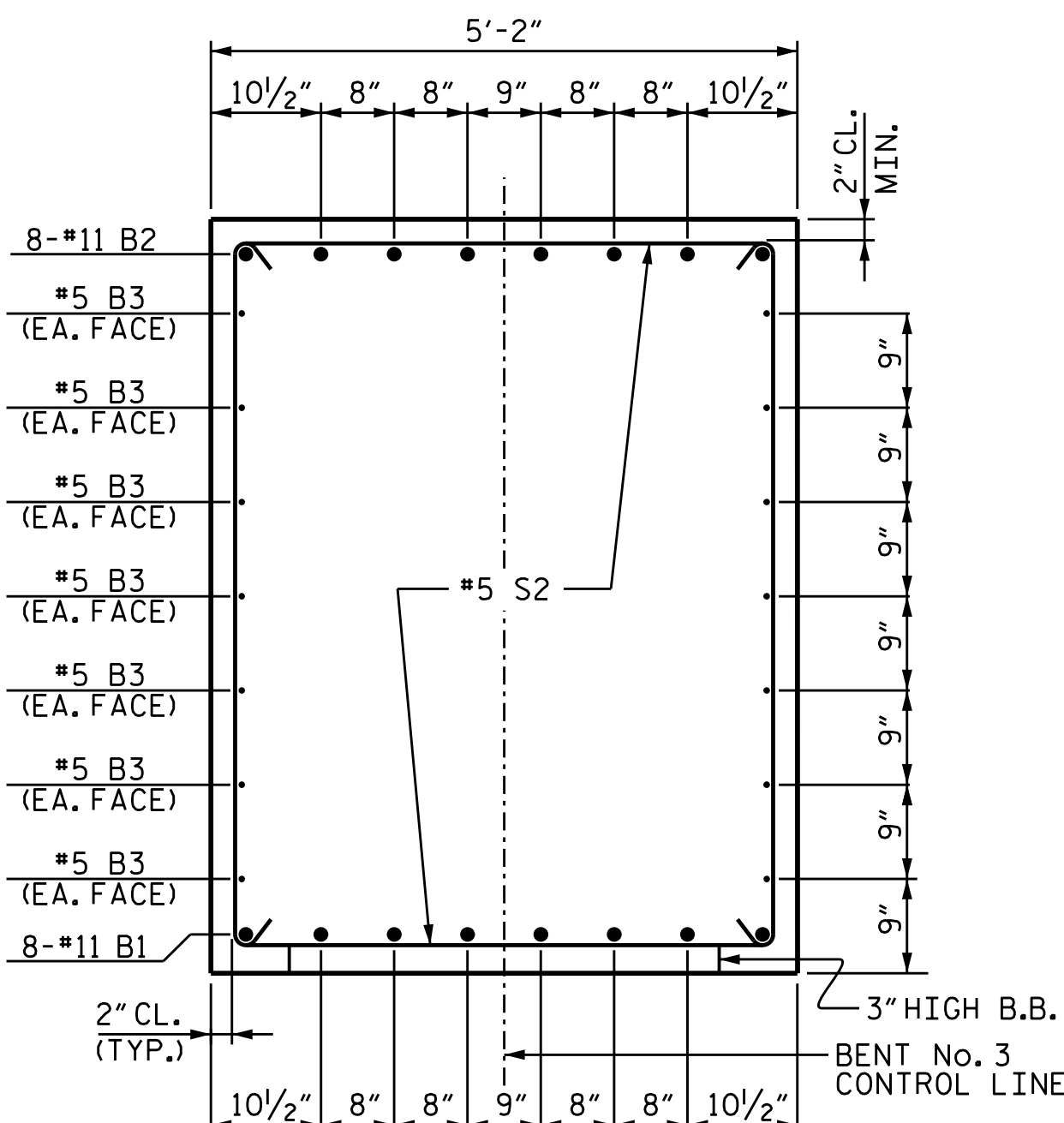
BILL OF MATERIAL FOR BENT No. 3					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	STR	30'-6"	1,296
B2	8	#11	6	33'-6"	1,424
B3	14	#5	STR	30'-6"	445
M1	32	#11	STR	38'-8"	6,574
S1	52	#5	2	15'-3"	827
S2	11	#5	2	17'-0"	195
U1	28	#4	3	7'-10"	147
U2	12	#4	3	7'-8"	61
U3	10	#4	3	8'-5"	56
V1	32	#11	1	24'-2"	4,109
REINFORCING STEEL					15,134 LBS.
SP-1	2	*	4	905'-4"	1,889
SP-2	2	**	5	1101'-9"	1,472
SPIRAL COLUMN REINFORCING STEEL					3,361 LBS.
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 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					



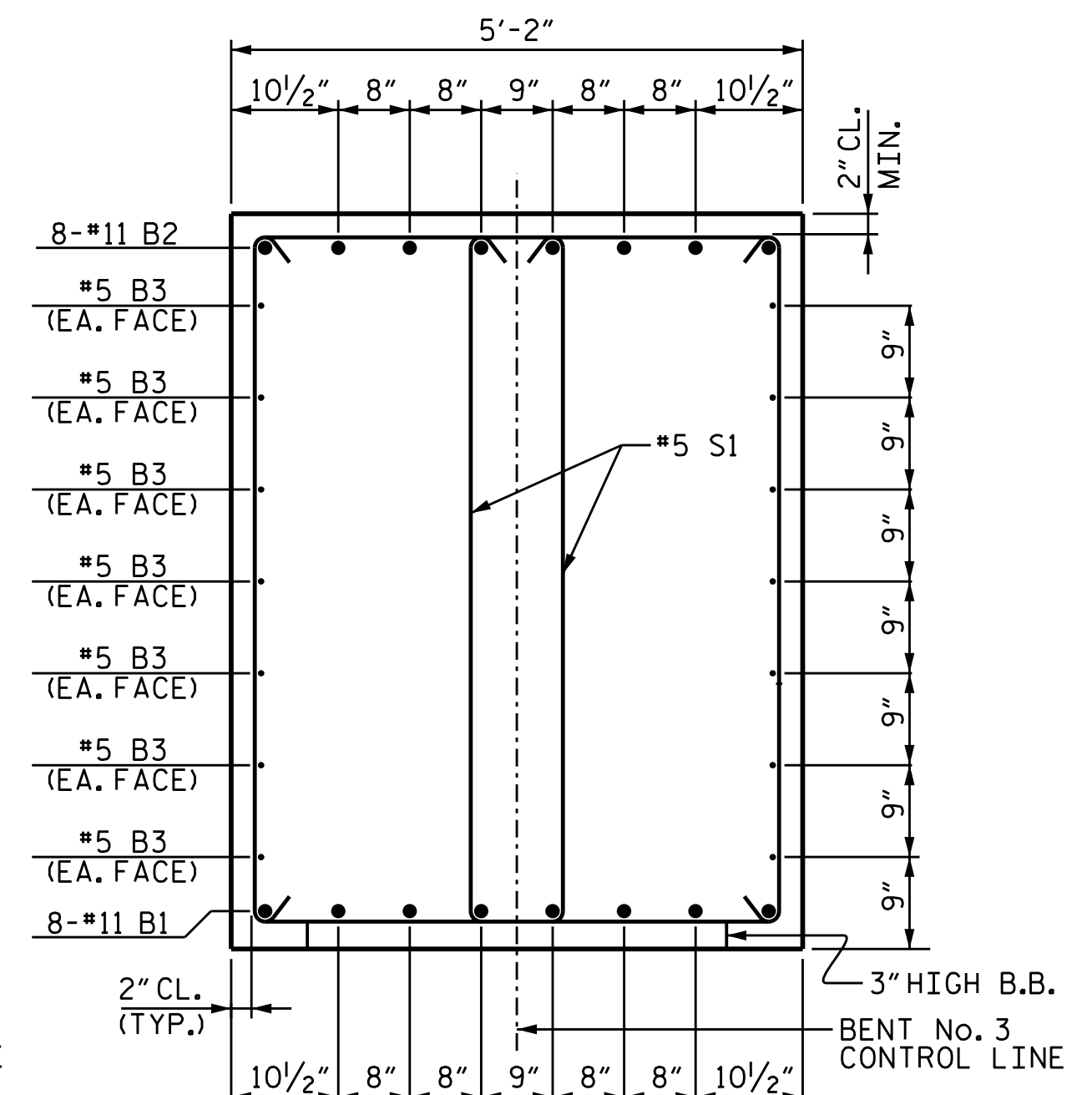
END ELEVATION



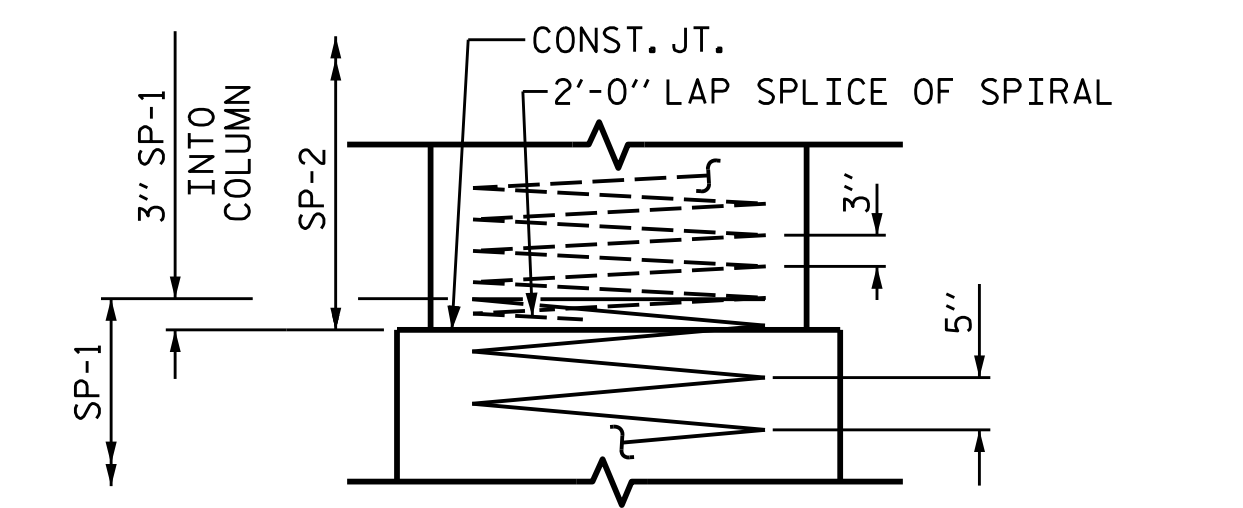
END VIEW



SECTION A-A



SECTION B-B



CONSTRUCTION JOINT DETAIL

CLASS A CONCRETE BREAKDOWN	
POUR #2 (COLUMNS)	24.2 C.Y.
POUR #3 (CAP)	35.9 C.Y.
TOTAL CLASS A CONCRETE	60.1 C.Y.
DRILLED PIERS:	
DRILLED PIER CONCRETE POUR #1	41.9 C.Y.
5'-0" Ø DRILLED PIERS IN SOIL	30.66 LIN. FT.
5'-0" Ø DRILLED PIERS NOT IN SOIL	27.00 LIN. FT.
CSL TUBES	303.30 LIN. FT.

PROJECT NO. B-5825
YADKIN/FORSYTH COUNTY
STATION: 34+65.50-L-
SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SEAL
20125
ENGINEER
MARSHALL G. CHECK, JR.
4/14/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-44
1			3			TOTAL SHEETS
2			4			60

DRAWN BY :	TBE	DATE :	10/19
CHECKED BY :	MGC	DATE :	1/20
DESIGN ENGINEER OF RECORD:	TBE	DATE :	2/20