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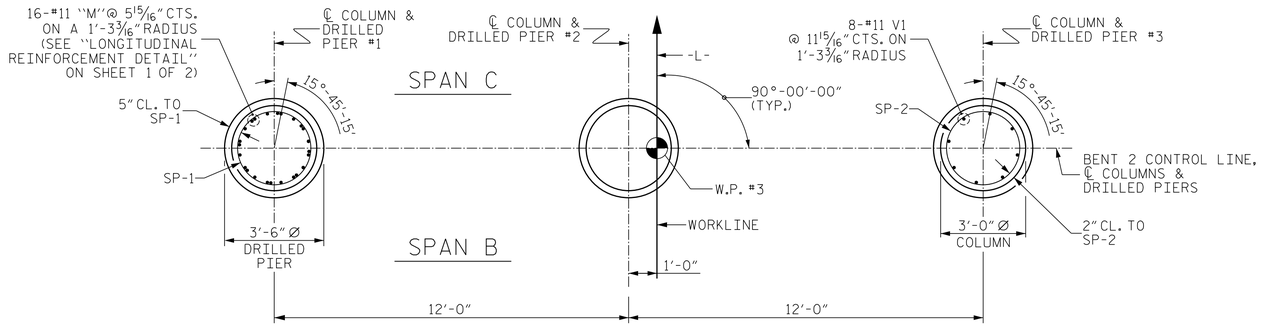
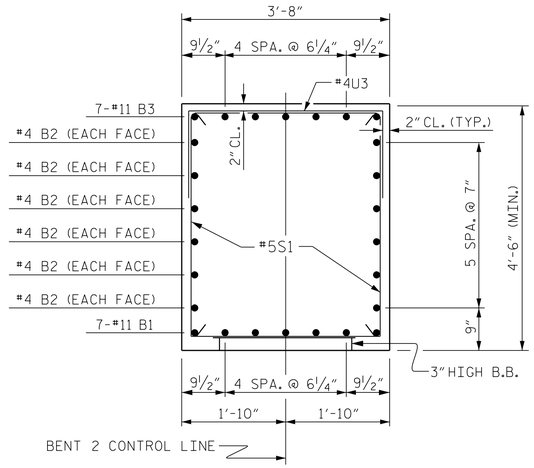
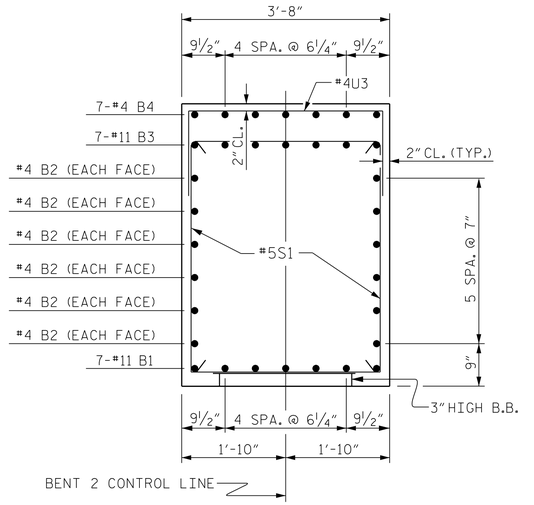


PLAN OF DRILLED PIERS & COLUMNS

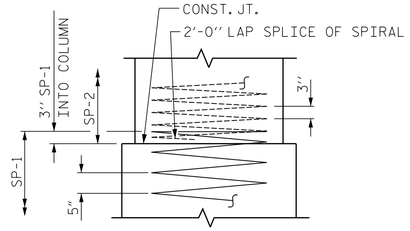
REINFORCING STEEL, DIMENSIONS AND DETAILS ARE TYPICAL FOR EACH COLUMN AND DRILLED PIER



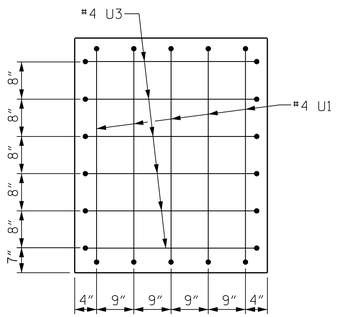
SECTION A-A



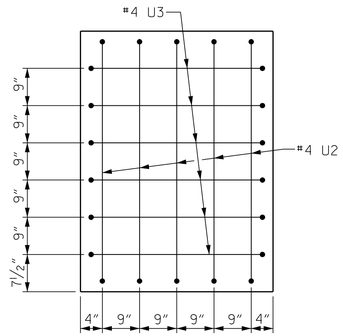
SECTION B-B



CONSTRUCTION JOIN DETAIL

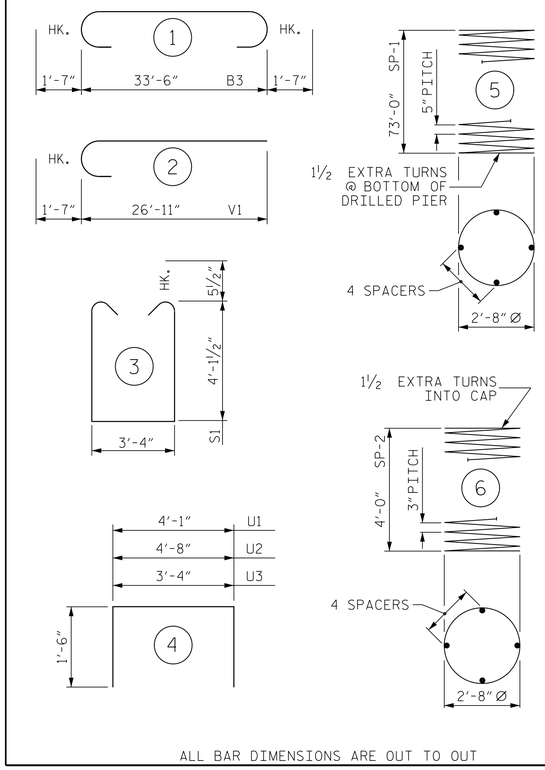


LEFT END OF CAP



RIGHT END OF CAP

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BENT NO. 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	7	#11	STR	33'-6"	1246
B2	12	#4	STR	33'-6"	269
B3	7	#11	1	36'-8"	1364
B4	7	#4	STR	11'-0"	51
M1	48	#11	STR	41'-11"	10,690
M2	24	#11	STR	60'-0"	7651
S1	44	#5	3	12'-6"	574
U1	5	#4	4	7'-1"	24
U2	5	#4	4	7'-8"	26
U3	49	#4	4	6'-4"	207
V1	24	#11	2	28'-6"	3634

REINFORCING STEEL 25,736 LBS.

SP-1	3	**	5	1455'-9"	4555
SP-2	3	*	6	148'-7"	298

SPIRAL COLUMN REINFORCING STEEL 4,853 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

CLASS A CONCRETE BREAKDOWN

POUR #2 (COLUMNS)	2.9 C.Y.
POUR #3 (CAP)	21.9 C.Y.
TOTAL CLASS A CONCRETE	24.8 C.Y.

DRILLED PIERS:

DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)	78.6 C.Y.

PROJECT NO. B-4926

LENOIR COUNTY

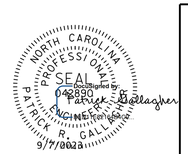
STATION: 35+00.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT NO. 2



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Johnson, Mirmiran, & Thompson Inc.
4700 Falls of Neuse Rd, Suite 100,
Raleigh, NC, 27609
License No: C-3097

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-33
1			3			TOTAL SHEETS
2			4			39

DWN. BY: WDC DATE: 03/2023
CHKD. BY: PRG DATE: 03/2023
DES. EGR. OF RECORD: PRG DATE: 03/2023

wdcrutcher
DGN: V:\NCStructures\03174\T-01 - B-4926 Lenoir 2D &3\Structures\Lenoir 3\Plans\402_065_B4926_SMU_BT2S_533.dgn
TIME: 02:54 PM on Wednesday, September 06, 2023