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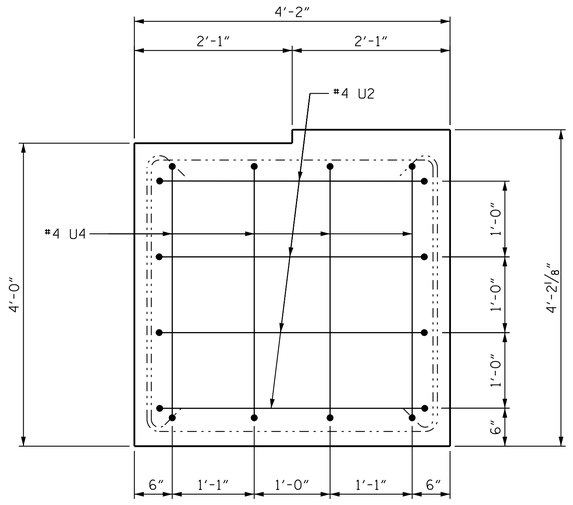
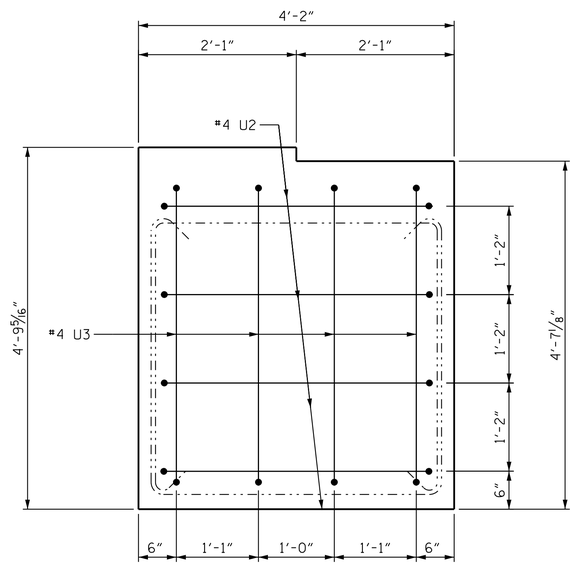
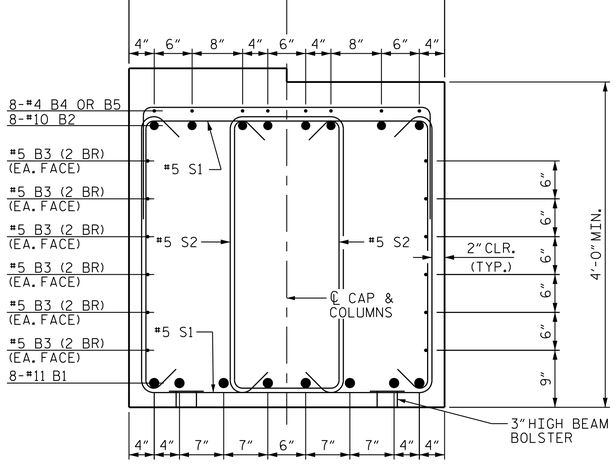


VIEW A-A

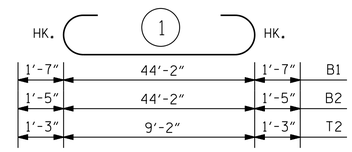


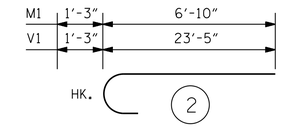
VIEW B-B

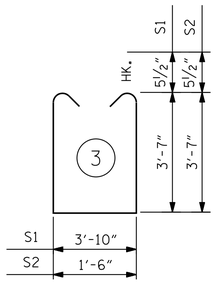


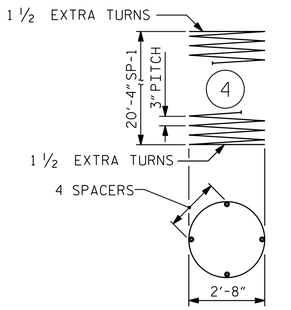
SECTION C-C

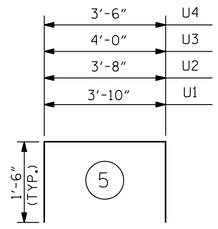
BAR TYPES











** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	1	47'-4"	2,012
B2	8	#10	1	47'-0"	1,618
B3	24	#4	STR	23'-8"	379
B4	24	#4	STR	12'-2"	195
B5	8	#4	STR	4'-11"	26
M1	36	#9	2	8'-1"	989
S1	78	#5	3	11'-11"	969
S2	44	#5	3	9'-7"	440
T1	78	#6	STR	9'-2"	1,074
T2	78	#9	1	11'-8"	3,094
U1	34	#4	5	6'-10"	155
U2	8	#4	5	6'-8"	36
U3	4	#4	5	7'-0"	19
U4	4	#4	5	6'-6"	17
V1	36	#9	2	24'-8"	3,019

REINFORCING STEEL				LBS.	14,042
SP-1	3	**	4	699'-11"	1,403

SPIRAL COLUMN	
REINFORCING STEEL LBS.	1,403

CLASS A CONCRETE BREAKDOWN		
POUR #1 FOOTINGS	C. Y.	40.1
POUR #2 COLUMNS	C. Y.	15.7
POUR #3 CAP	C. Y.	30.2
TOTAL CLASS A CONC.	C. Y.	86.0

PROJECT NO. R-2707D

CLEVELAND COUNTY

STATION: 23+21.80 -Y3-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT 1 DETAILS

Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

DRAWN BY : J. E. HAGENBUSH DATE : 04/13/18
CHECKED BY : V. E. FRAGA DATE : 05/05/23

DESIGN ENGINEER OF RECORD: V. E. FRAGA DATE : 05/16/23

NORTH CAROLINA PROFESSIONAL SEAL 47083 ENGINEER VICTOR E. FRAGA
5/16/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-30
1			3			TOTAL SHEETS
2			4			36

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