

END VIEW OF EXTERIOR COLUMN

NOTES

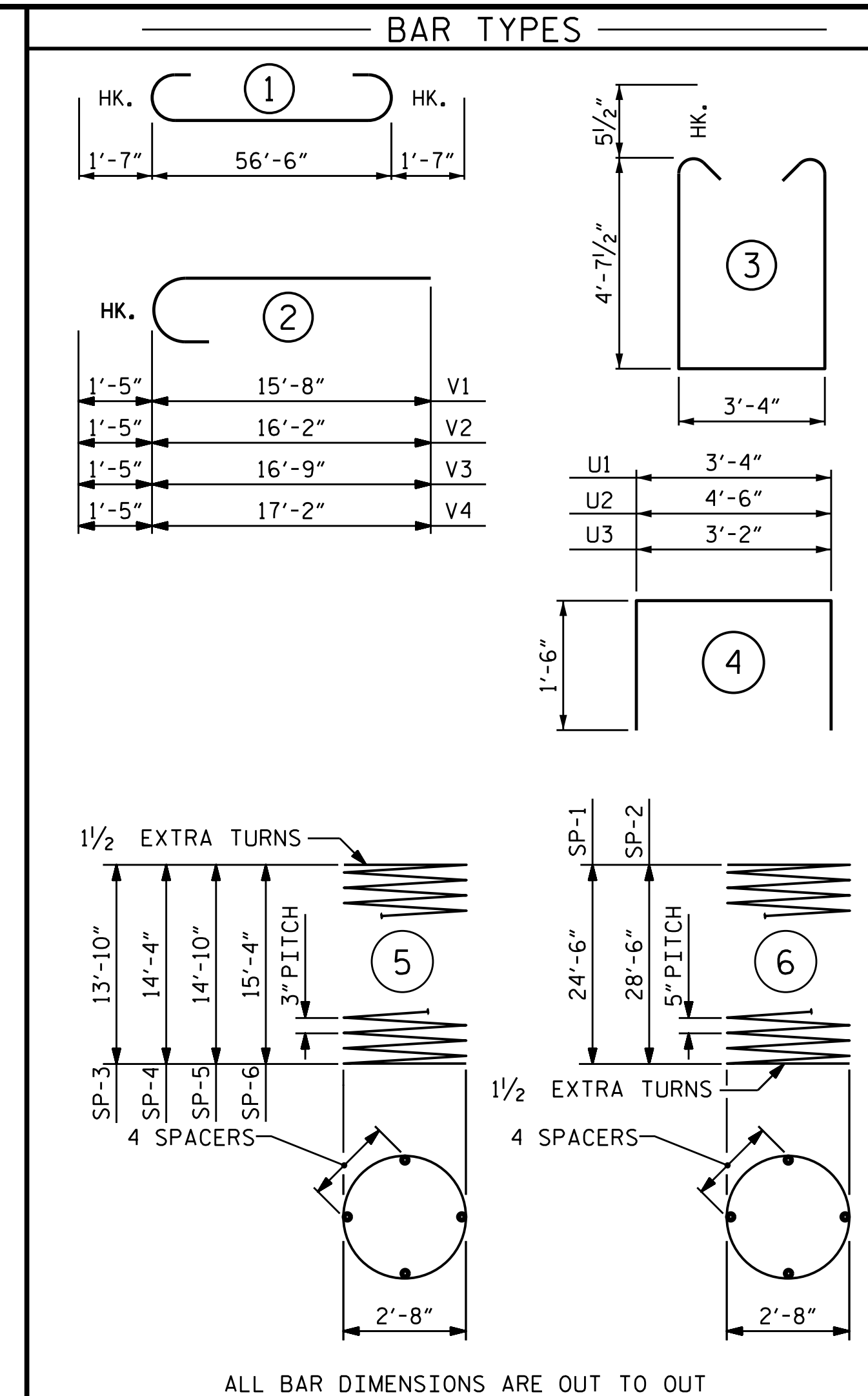
STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.

ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL" OR "EPOXY COATED SPIRAL COLUMN REINFORCING STEEL".

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.

ANCHORAGE FOR LUMINAIRE BRACKETS NOT SHOWN FOR CLARITY. REINFORCING STEEL MAY BE SHIFTED SLIGHTLY TO AVOID INTERFERENCE WITH LUMINAIRE BRACKET ANCHORAGE. FOR LUMINAIRE BRACKET DETAILS, SEE "ARCHITECTURAL METAL FASCIA DETAILS" SHEETS.



ALL BAR DIMENSIONS ARE OUT TO OUT

** THE SP-3, SP-4, SP-5 AND SP-6 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

* THE SP-1 AND SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

BILL OF MATERIAL

BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	1	59'-8"	1902
B2	6	#11	STR	56'-8"	1806
B3	18	#5	STR	56'-8"	1064
B4	30	#4	STR	1'-10"	37
B5	48	#4	STR	9'-10"	315

M1	24	#10	STR	33'-10"	3494
M2	24	#10	STR	37'-10"	3907

S1	50	#5	3	13'-6"	704
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U1	64	#4	4	6'-4"	271
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U2	6	#4	4	7'-6"	30
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U3	8	#4	4	6'-2"	33
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V1	12	#10	2	17'-1"	882
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V2	12	#10	2	17'-7"	908
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V3	12	#10	2	18'-2"	938
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V4	12	#10	2	18'-7"	960
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REINFORCING STEEL 17251 LBS.

SP-1	2	*	6	497'-7"	1038
SP-2	2	*	6	575'-9"	1201
SP-3	1	**	5	468'-3"	313
SP-4	1	**	5	484'-9"	324
SP-5	1	**	5	501'-3"	335
SP-6	1	**	5	517'-9"	346

SPIRAL COLUMN REINFORCING STEEL 3557 LBS.

CLASS A CONCRETE BREAKDOWN

POUR #3 (CAP & ARCHES)	59.0 C.Y.
POUR #2 (COLUMNS)	16.2 C.Y.

TOTAL CLASS A CONCRETE 75.2 C.Y.

DRILLED PIER CONCRETE

POUR #1 (DRILLED PIERS)	38.5 C.Y.
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3'-6" Ø DRILLED PIER NOT IN SOIL LIN. FT. 34.0

3'-6" Ø DRILLED PIER IN SOIL LIN. FT. 74.0

CSL TUBES LIN. FT. 456.0

PROJECT NO. B-5121/B-5317

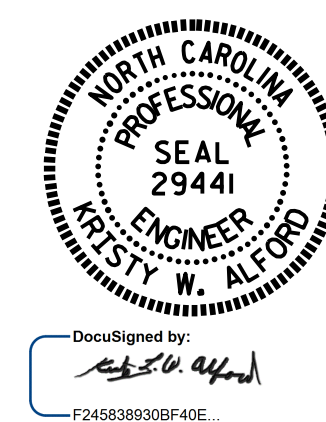
WAKE COUNTY

STATION: 20+19.94 -FLYOVER-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT 2



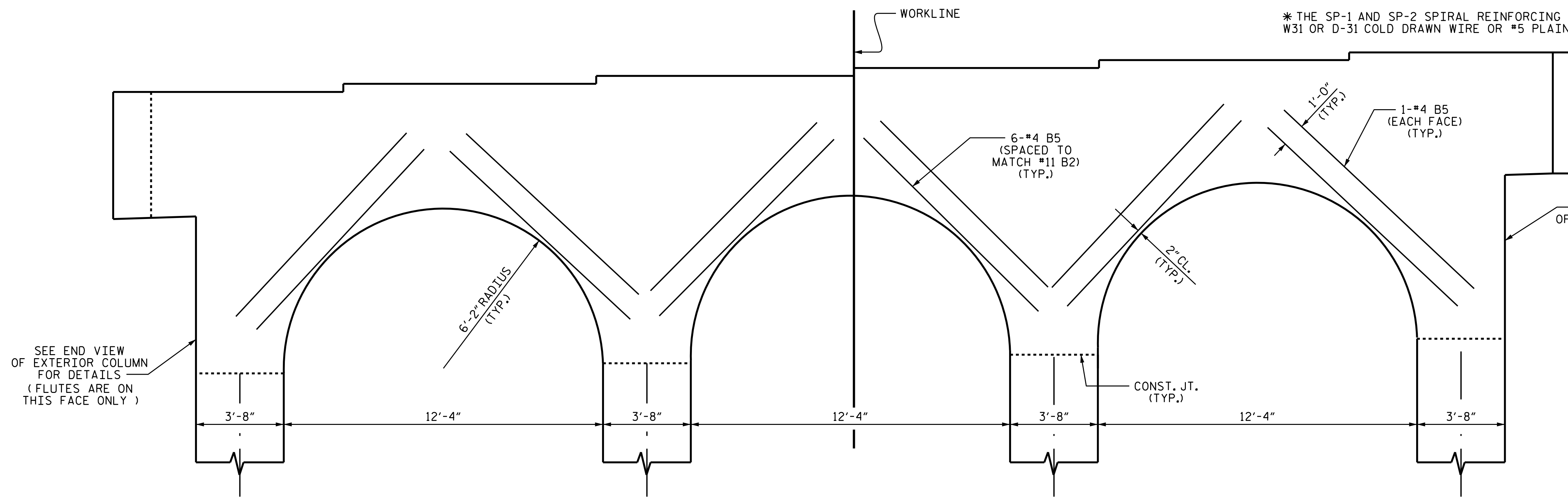
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6/3/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-96
1			3			TOTAL SHEETS 110
2			4			

STR. #2

ARCH DETAILS



DRAWN BY: J.P. ADAMS DATE: 1/2016
CHECKED BY: I.L. AVERETTE DATE: 2/2016
DESIGN ENGINEER OF RECORD: R.L. CHESSON DATE: 2/2016