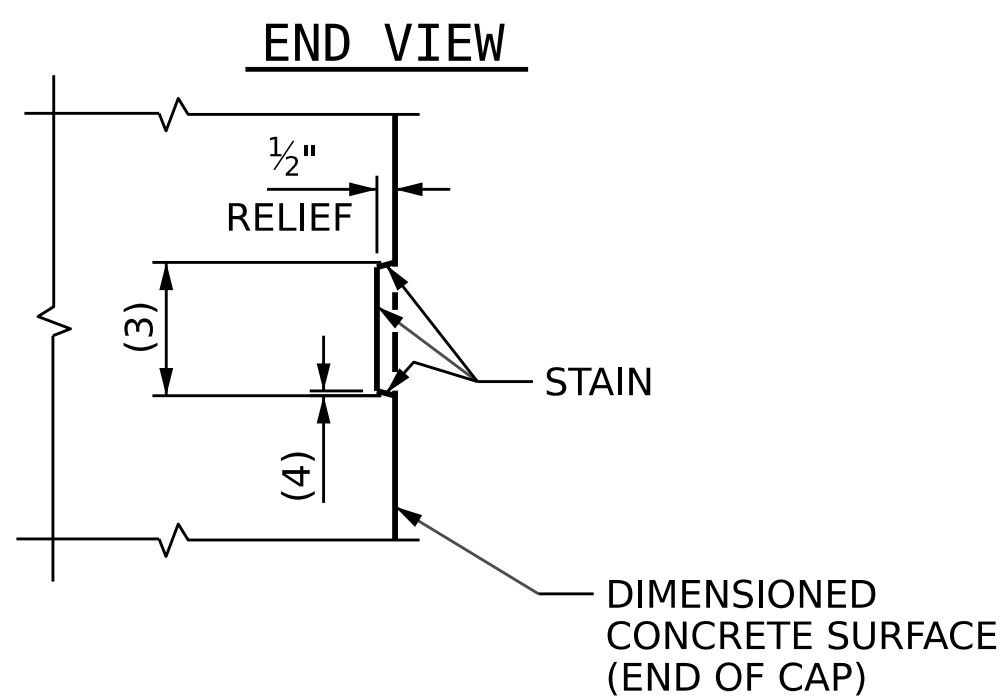


(1), (2): PROVIDE EQUAL DISTANCE



SECTION A-A THRU FORMLINER RELIEF

NOTES

THE CONTRACTOR SHALL PROVIDE A FORMLINER TO ACHIEVE THE CAP END AESTHETIC AS SHOWN IN THE DETAILS AS A RELIEF AREA ON THE END OF THE CAP. THE ENTIRE AREA THAT IS RECESSED SHALL BE STAINED.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE METHOD FOR ACHIEVING THE FORMLINER RELIEF, INCLUDING DIMENSIONS, AND PAINT SYSTEM AND COLOR TO BE USED, FOR APPROVAL PRIOR TO CONSTRUCTING THE CAP.

AT THE CONTRACTOR'S REQUEST, THE ENGINEER MAY PROVIDE A DIGITAL FILE OF THE ARTWORK SHAPE.

SEE SPECIAL PROVISIONS.

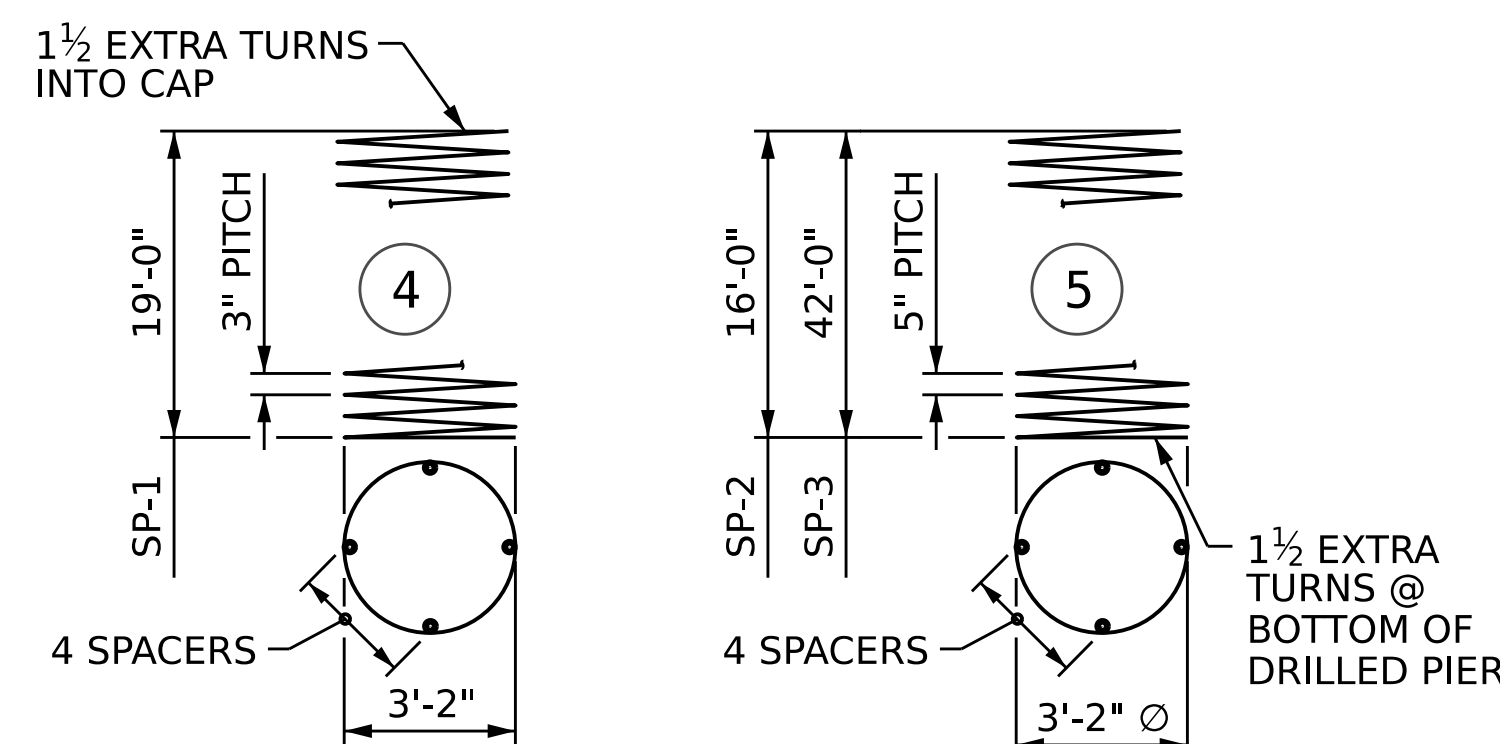
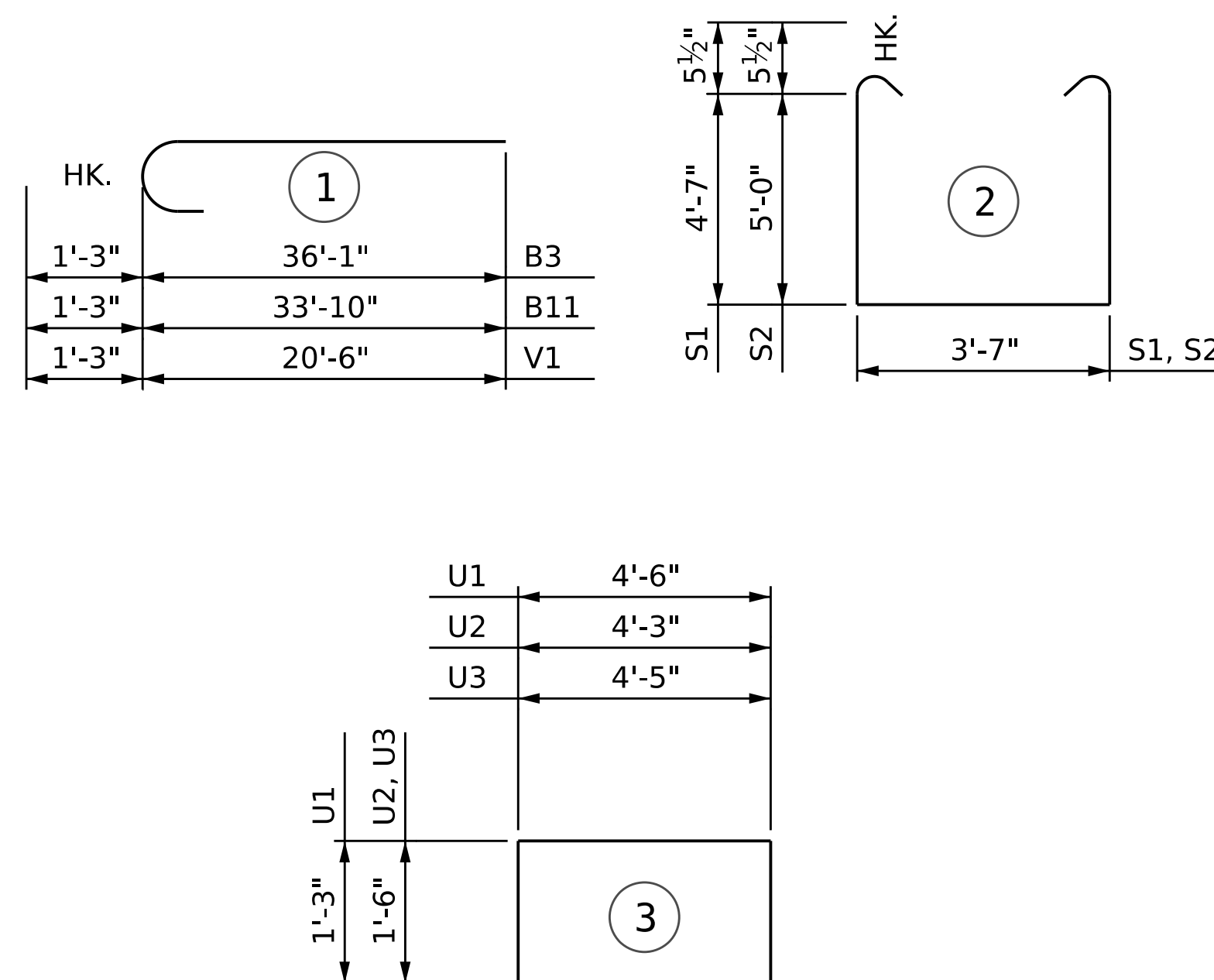
CAP END AESTHETICS

PROVIDE ON EACH END OF BENT 1 CAP

QTY. "CAP END AESTHETIC" = 2 EA.

DRAWN BY :	D.R. DRUM	DATE :	09/2022
CHECKED BY :	S. NATARAJAN	DATE :	10/2022
DESIGN ENGINEER OF RECORD:	G. COLS	DATE :	12/2022

BAR TYPES



BILL OF MATERIAL

BENT 1

STAGE I					STAGE II						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	9	STR	44'-5"	1208	B6	8	9	STR	51'-0"	1387
B2	10	5	STR	46'-7"	486	B7	10	5	STR	52'-0"	542
B3	8	9	1	37'-4"	1015	B8	2	5	STR	21'-2"	44
B4	8	9	STR	16'-8"	453	B9	8	9	STR	25'-6"	694
B5	2	5	STR	13'-6"	28	B10	8	4	STR	4'-10"	26
						B11	8	9	1	35'-1"	954
M1	42	9	STR	23'-1"	3296	M2	42	9	STR	49'-1"	7009
S1	108	5	2	13'-8"	1539	S1	92	5	2	13'-8"	1311
S2	66	5	2	14'-6"	998	S2	98	5	2	14'-6"	1482
U1	36	4	3	7'-0"	168	U1	46	4	3	7'-0"	215
U2	5	4	3	7'-3"	24	U2	5	4	3	7'-3"	24
U3	5	4	3	7'-5"	25	U3	5	4	3	7'-5"	25
V1	42	9	1	21'-9"	3106	V1	42	9	1	21'-9"	3106
REINFORCING STEEL					12,346 LBS.	REINFORCING STEEL					16,819 LBS.
SP-1	3	*	4	759'-10"	1523	SP-1	3	*	4	759'-10"	1523
SP-2	3	**	5	390'-1"	1221	SP-3	3	**	5	1000'-2"	3130
SPIRAL COLUMN REINFORCING STEEL					2,744 LBS.	SPIRAL COLUMN REINFORCING STEEL					4,653 LBS.
* THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR						* THE SP-3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					
** THE SP-4 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR						** THE SP-4 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
CLASS A CONCRETE BREAKDOWN						CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)					20.0 C.Y.	POUR #2 (COLUMNS)					20.0 C.Y.
POUR #3 (CAP)					40.8 C.Y.	POUR #3 (CAP)					49.8 C.Y.
TOTAL CLASS A CONCRETE					60.8 C.Y.	TOTAL CLASS A CONCRETE					69.8 C.Y.
DRILLED PIERS:						DRILLED PIERS:					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)					23.0 C.Y.	DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)					59.3 C.Y.

PROJECT NO. BR-0041

ROCKINGHAM COUNTY

STATION: POT 34+73.00 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
BENT 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-39
1			3			TOTAL SHEETS
2			4			48

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED