

4/10/2015 9:22:03 AM I:\Projects\255550\255550_0002\50_Deliverables & Submittals\R-2514D\Structures\Site 5\Substa\Finals\Site 5_LL\409_016_R2514D_SMU_S90M.dgn

REINFORCING BAR SCHEDULE											
MARK	NO.	SIZE	TYPE	LENGTH	WEIGHT	MARK	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	152	#5	STR	40'-10"	6,474	*B1	112	#4	STR	24'-11"	1,864
*A2	2	#5	STR	39'-3"	82	*B2	54	#6	STR	23'-0"	1,865
*A3	2	#5	STR	37'-4"	78	*B3	54	#6	STR	20'-0"	1,622
*A4	2	#5	STR	35'-5"	74	B4	92	#5	STR	47'-10"	4,590
*A5	2	#5	STR	33'-6"	70						
*A6	2	#5	STR	31'-7"	66	K1	20	#4	STR	25'-3"	337
*A7	2	#5	STR	29'-8"	62	K2	8	#4	STR	6'-1"	33
*A8	2	#5	STR	27'-8"	58	K3	8	#4	STR	7'-1"	38
*A9	2	#5	STR	25'-9"	54	K4	16	#4	STR	7'-8"	82
*A10	2	#5	STR	23'-11"	50	K5	8	#4	STR	6'-8"	36
*A11	2	#5	STR	21'-11"	46	K6	4	#4	STR	5'-4"	14
*A12	2	#5	STR	20'-0"	42	K7	4	#4	STR	5'-9"	15
*A13	2	#5	STR	18'-1"	38	K8	8	#4	STR	6'-1"	33
*A14	2	#5	STR	16'-2"	34	K9	4	#4	STR	5'-7"	15
*A15	2	#5	STR	14'-3"	30	K10	16	#4	STR	2'-9"	29
*A16	2	#5	STR	12'-4"	26	K11	8	#4	STR	3'-9"	20
*A17	2	#5	STR	10'-5"	22						
*A18	2	#5	STR	8'-6"	18	H1	11	#5	①	12'-3"	141
*A19	2	#5	STR	6'-7"	14	H2	11	#5	①	11'-11"	137
*A20	2	#5	STR	4'-8"	10	H3	11	#5	②	14'-6"	166
*A21	4	#5	STR	3'-4"	14	H4	11	#5	②	14'-7"	167
A101	152	#5	STR	40'-10"	6,474	H5	2	#5	①	9'-7"	20
A102	2	#5	STR	39'-3"	82	H6	2	#5	②	12'-0"	25
A103	2	#5	STR	37'-4"	78	H7	11	#5	②	12'-4"	142
A104	2	#5	STR	35'-5"	74	H8	11	#5	②	12'-5"	142
A105	2	#5	STR	33'-6"	70	H9	11	#5	①	12'-9"	146
A106	2	#5	STR	31'-7"	66	H10	11	#5	①	12'-5"	142
A107	2	#5	STR	29'-8"	62	H11	2	#5	②	9'-10"	21
A108	2	#5	STR	27'-8"	58	H12	2	#5	①	10'-0"	21
A109	2	#5	STR	25'-9"	54	S1	60	#4	③	11'-3"	451
A110	2	#5	STR	23'-11"	50	S2	30	#4	④	5'-0"	100
A111	2	#5	STR	21'-11"	46	*S3	52	#4	⑤	11'-11"	414
A112	2	#5	STR	20'-0"	42	*S4	52	#4	⑤	10'-0"	347
A113	2	#5	STR	18'-1"	38	*S5	8	#4	③	13'-5"	72
A114	2	#5	STR	16'-2"	34						
A115	2	#5	STR	14'-3"	30	V3	40	#5	STR	5'-8"	236
A116	2	#5	STR	12'-4"	26	V4	8	#5	STR	5'-4"	45
A117	2	#5	STR	10'-5"	22	V5	44	#5	STR	5'-9"	264
A118	2	#5	STR	8'-6"	18	V6	8	#5	STR	5'-5"	45
A119	2	#5	STR	6'-7"	14						
A120	2	#5	STR	4'-8"	10						
A121	4	#5	STR	3'-4"	14						
					*EPOXY COATED REINF. STEEL (LBS.)						13,546
					REINF. STEEL (LBS.)						15,015

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"			
#8	6'-10"	4'-7"			

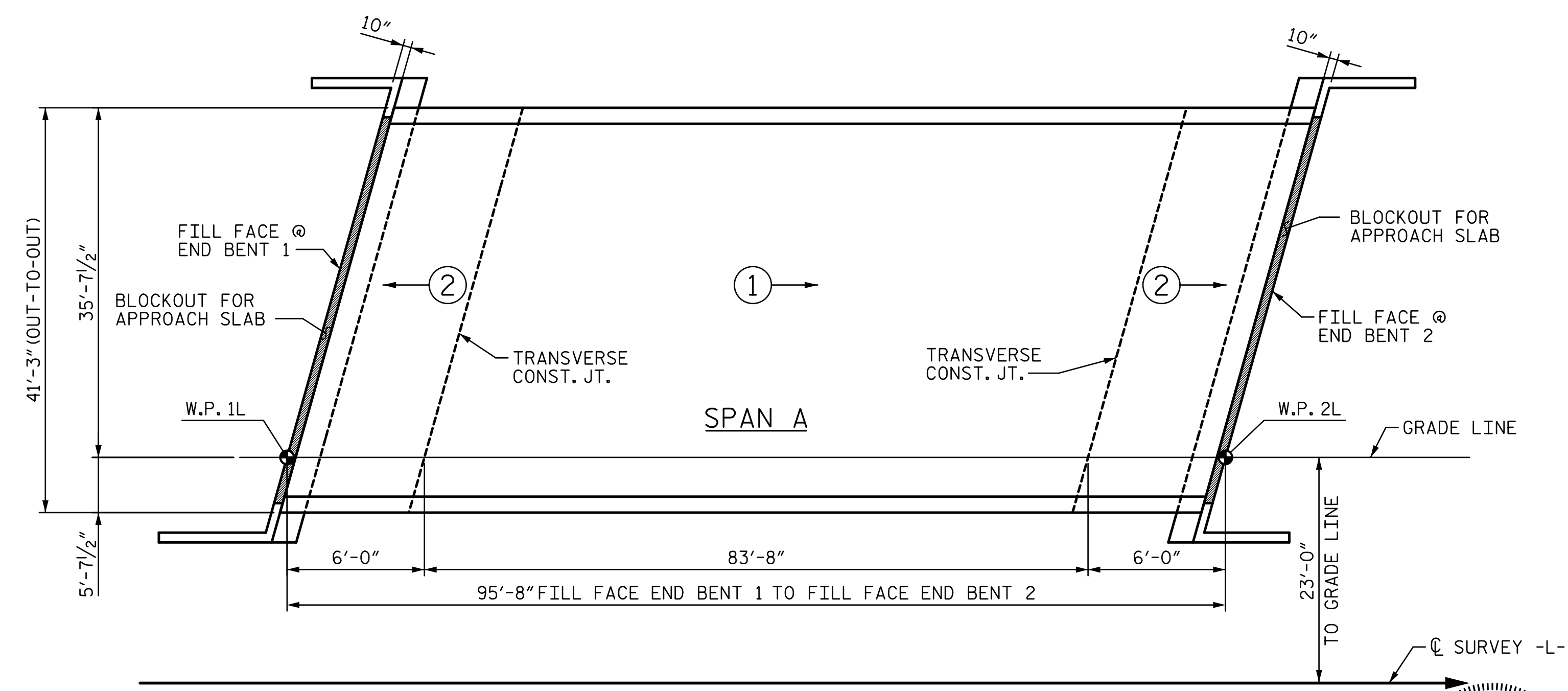
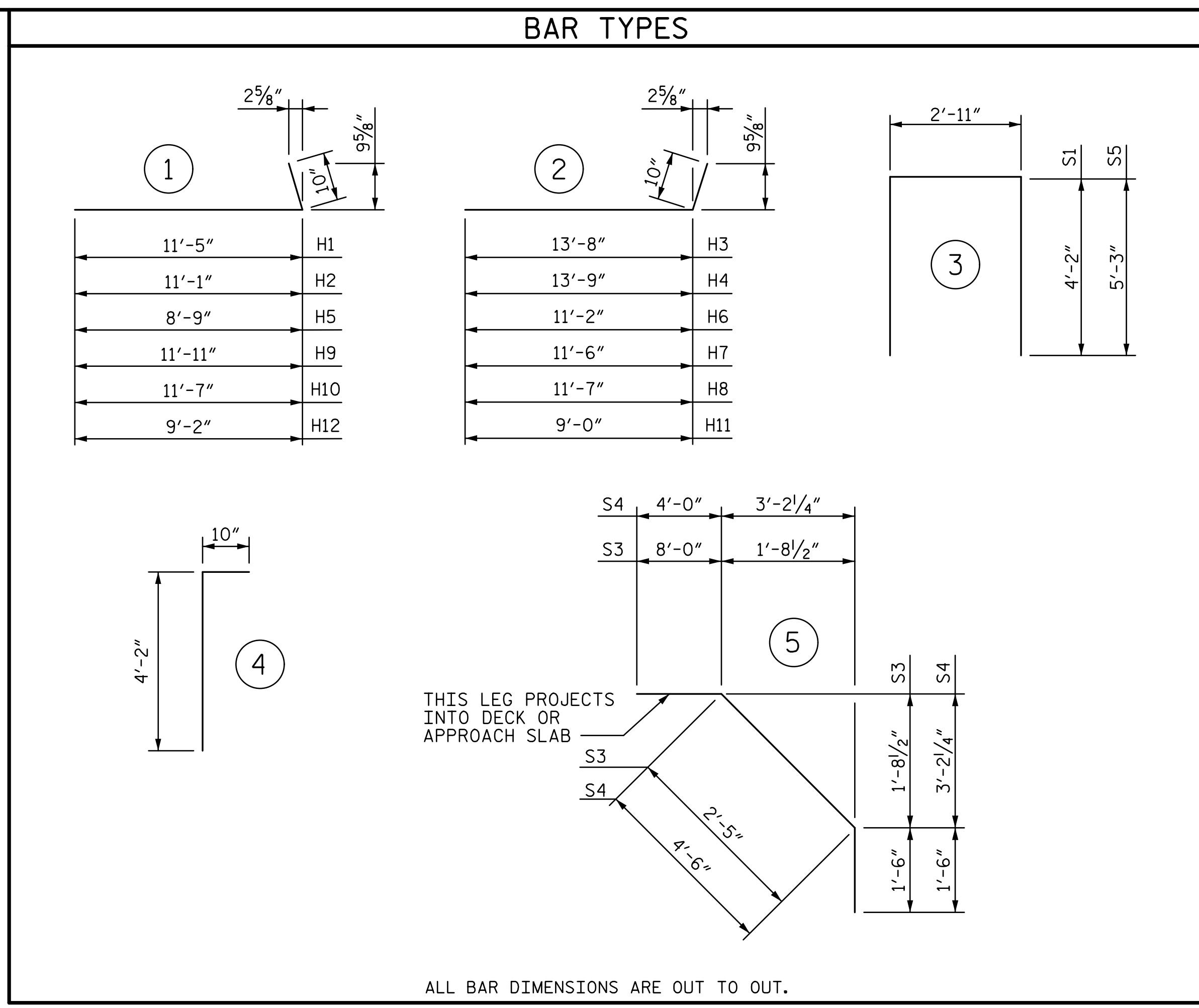
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	*EPOXY COATED STEEL REINFORCING (LBS.)	STEEL REINFORCING (LBS.)
SPAN A	(CU. YDS.)		
POUR 1	104.7	--	--
POUR 2	71.4	--	--
TOTAL**	176.1	13,546	14,952

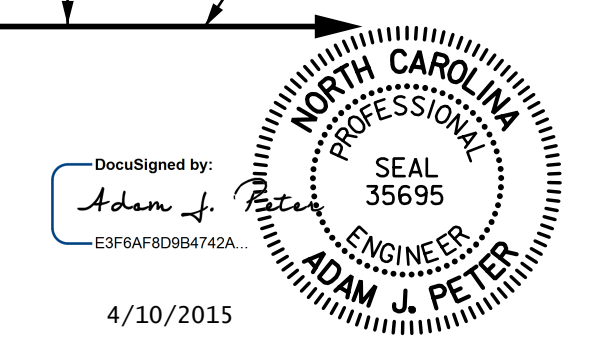
* QUANTITIES FOR CONCRETE BARRIER RAIL ARE NOT INCLUDED
 • POUR 2 INCLUDES CONCRETE FOR SUPERSTRUCTURE PORTION OF INTEGRAL END BENT AND WING WALL. ALL COSTS ASSOCIATED WITH THE SUPERSTRUCTURE PORTION OF THE INTEGRAL END BENT AND WING WALL, INCLUDING BUT NOT LIMITED TO, MATERIALS, LABOR AND ALL INCIDENTALS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR REINFORCED CONCRETE DECK SLAB. NO ADDITIONAL PAYMENT WILL BE MADE.

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,690 SQ.FT.
BRIDGE DECK	3,276 SQ.FT.
TOTAL	4,966 SQ.FT.



POURING DIAGRAM AND LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 3,946)



PROJECT NO. R-2514D
JONES & CRAVEN COUNTY
 STATION: 428+53.58 -L-
= 13+04.09 -Y5-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 BILL OF MATERIAL
 -LEFT LANE-

DRAWN BY: VMW DATE: 6-14
 CHECKED BY: MLO DATE: 6-14
 DESIGN ENGINEER OF RECORD: A. PETER DATE: 6-14

STV / Ralph Whitehead Associates, Inc.
 900 West Trade Street, Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 24