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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	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	218.6	———	———
POUR #2	293.9	———	———
POUR #3	252.6	———	———
POUR #4	21.1	———	———
TOTAL ✳✳	786.2	87,367	85,561

✳✳ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

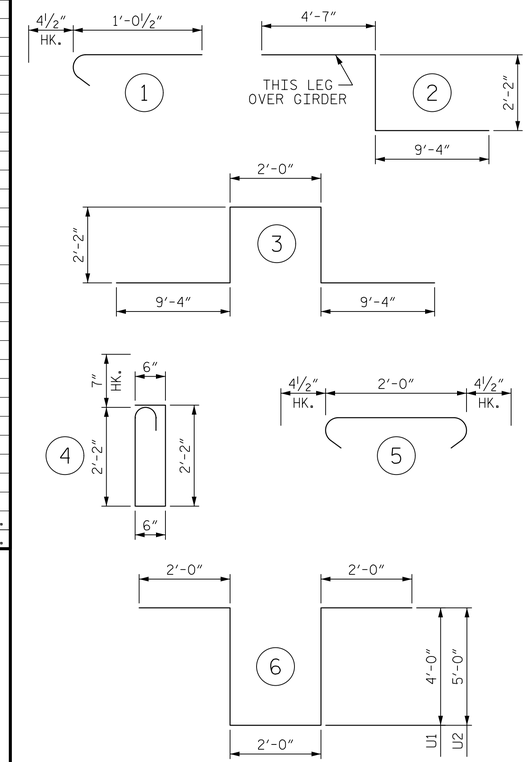
APPROACH SLABS	2,908 SQ. FT.
BRIDGE DECK	16,567 SQ. FT.
TOTAL	19,475 SQ. FT.

BILL OF MATERIAL

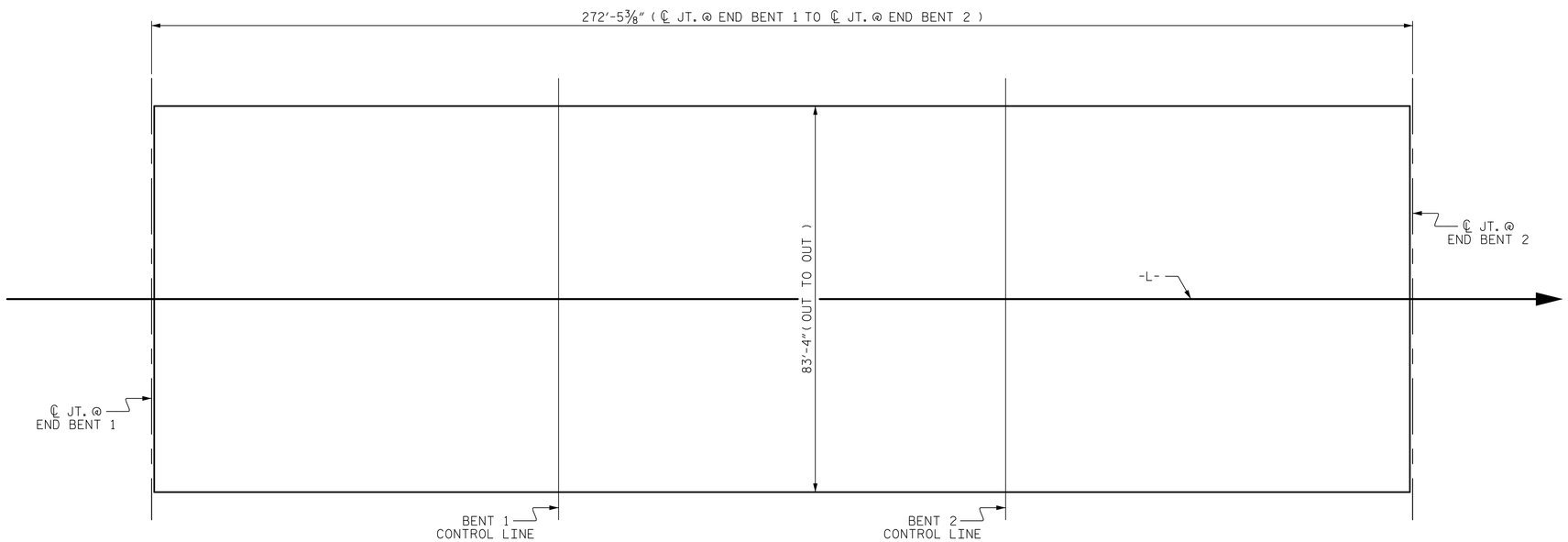
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	1188	5	STR.	42′-9″	52971
A2	1188	5	STR.	42′-7″	52764
B1	530	5	STR.	56′-3″	31094
✳ B2	216	4	STR.	30′-0″	4329
✳ B3	108	4	STR.	17′-4″	1250
✳ B4	106	7	STR.	28′-0″	6067
✳ B5	324	7	STR.	25′-6″	16888
✳ B20	40	4	STR.	29′-1″	777
✳ G1	4	5	STR.	42′-9″	178
✳ J1	126	4	1	1′-5″	119
✳ K1	8	8	2	16′-1″	344
✳ K2	24	8	3	25′-0″	1602
✳ K3	28	5	STR.	8′-10″	258
K4	30	4	STR.	26′-6″	531
K5	112	4	STR.	8′-10″	661
K6	28	4	STR.	7′-2″	134
✳ S1	126	5	4	5′-11″	778
S2	476	4	5	2′-9″	874
U1	28	4	6	14′-0″	262
U2	98	4	6	16′-0″	1047

REINFORCING STEEL	87,367 LBS.
✳ EPOXY COATED REINF. STEEL	85,561 LBS.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 22,704)

PROJECT NO. B-5103
NEW HANOVER COUNTY
STATION: 16+84.96 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

Prepared by
URS
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NC LIC.# C-2243

11/5/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by: Andrew S. Miller
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-34
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : M. K. TOM DATE : 7/21/14
CHECKED BY : K. H. COMPTON DATE : 8/25/14
DESIGNED BY : M. K. TOM DATE : 7/21/14

11/5/2014
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