

BILL OF MATERIAL					
EPOXY COATED REINFORCING STEEL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS.)
* A1	451	5	STR.	36'-3"	17,052
* A2	1	5	STR.	36'-0"	38
* A3	1	5	STR.	35'-2"	37
* A4	1	5	STR.	34'-3"	36
* A5	1	5	STR.	33'-4"	35
* A6	1	5	STR.	32'-5"	34
* A7	1	5	STR.	31'-6"	33
* A8	1	5	STR.	30'-7"	32
* A9	1	5	STR.	29'-8"	31
* A10	1	5	STR.	28'-9"	30
* A11	1	5	STR.	27'-9"	29
* A12	1	5	STR.	27'-0"	28
* A13	1	5	STR.	26'-1"	27
* A14	1	5	STR.	25'-2"	26
* A15	1	5	STR.	24'-3"	25
* A16	1	5	STR.	23'-4"	24
* A17	1	5	STR.	22'-5"	23
* A18	1	5	STR.	21'-6"	22
* A19	1	5	STR.	20'-8"	22
* A20	1	5	STR.	19'-9"	21
* A21	1	5	STR.	18'-10"	20
* A22	1	5	STR.	17'-11"	19
* A23	1	5	STR.	17'-0"	18
* A24	1	5	STR.	16'-1"	17
* A25	1	5	STR.	15'-2"	16
* A26	1	5	STR.	14'-3"	15
* A27	1	5	STR.	13'-5"	14
* A28	1	5	STR.	12'-6"	13
* A29	1	5	STR.	11'-7"	12
* A30	1	5	STR.	10'-8"	11
* A31	1	5	STR.	9'-9"	10
* A32	1	5	STR.	8'-10"	9
* A33	1	5	STR.	7'-11"	8
* A34	1	5	STR.	7'-0"	7
* A35	1	5	STR.	6'-2"	6
* A36	1	5	STR.	5'-3"	5
* A37	1	5	STR.	4'-4"	5
* A38	1	5	STR.	3'-5"	4
* A39	1	5	STR.	2'-6"	3
* A40	1	5	STR.	36'-1"	38
* A41	1	5	STR.	35'-3"	37
* A42	1	5	STR.	34'-5"	36
* A43	1	5	STR.	33'-7"	35
* A44	1	5	STR.	32'-9"	34
* A45	1	5	STR.	31'-11"	33
* A46	1	5	STR.	31'-1"	32
* A47	1	5	STR.	30'-4"	32
* A48	1	5	STR.	29'-6"	31
* A49	1	5	STR.	28'-8"	30
* A50	1	5	STR.	27'-10"	29
* A51	1	5	STR.	27'-0"	28
* A52	1	5	STR.	26'-2"	27
* A53	1	5	STR.	25'-4"	26

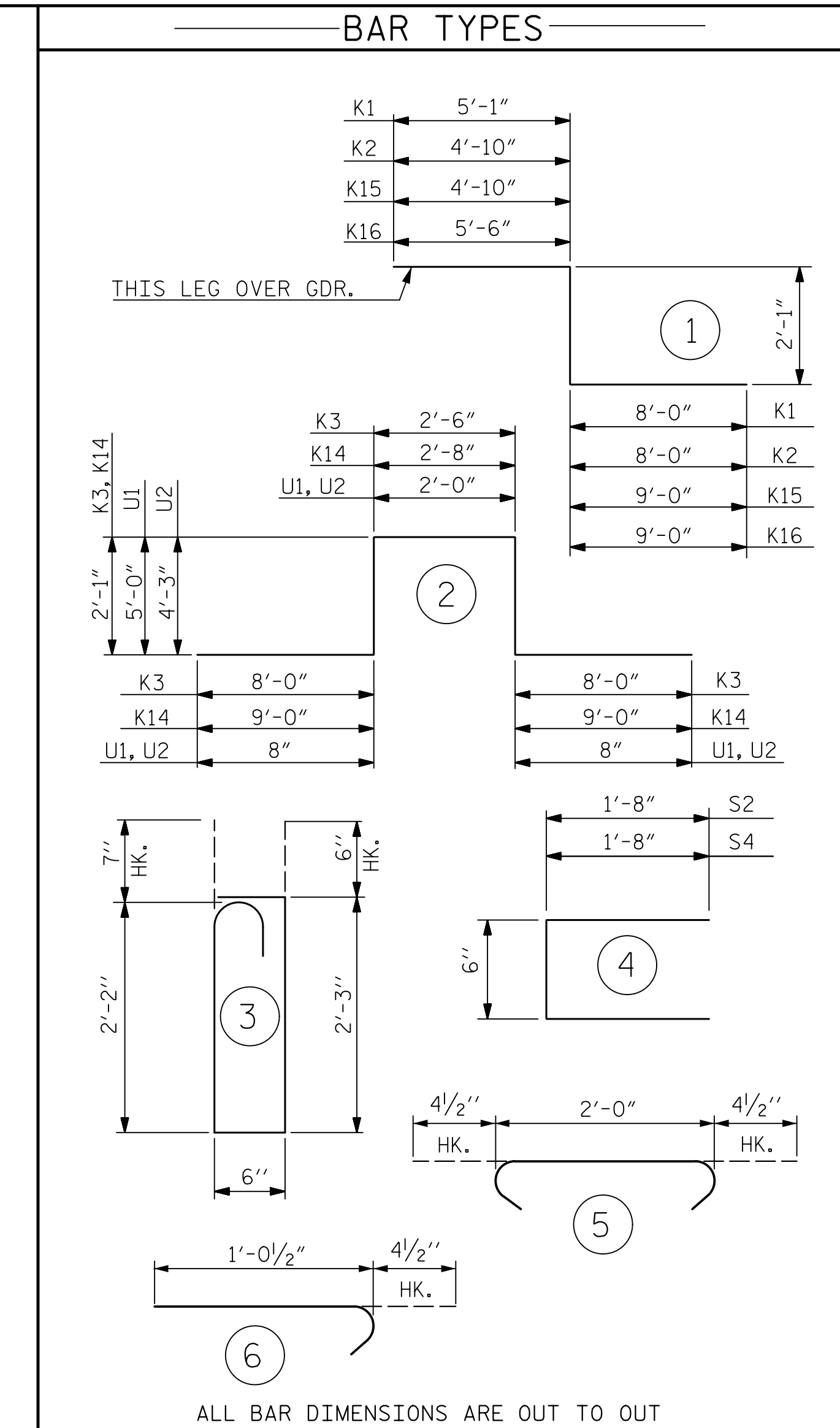
BILL OF MATERIAL					
EPOXY COATED REINFORCING STEEL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS.)
* A54	1	5	STR.	24'-6"	26
* A55	1	5	STR.	23'-8"	25
* A56	1	5	STR.	22'-11"	24
* A57	1	5	STR.	22'-1"	23
* A58	1	5	STR.	21'-3"	22
* A59	1	5	STR.	20'-5"	21
* A60	1	5	STR.	19'-7"	20
* A61	1	5	STR.	18'-9"	20
* A62	1	5	STR.	17'-11"	19
* A63	1	5	STR.	17'-1"	18
* A64	1	5	STR.	16'-3"	17
* A65	1	5	STR.	15'-5"	16
* A66	1	5	STR.	14'-8"	15
* A67	1	5	STR.	13'-10"	14
* A68	1	5	STR.	13'-0"	14
* A69	1	5	STR.	12'-2"	13
* A70	1	5	STR.	11'-4"	12
* A71	1	5	STR.	10'-6"	11
* A72	1	5	STR.	9'-8"	10
* A73	1	5	STR.	8'-10"	9
* A74	1	5	STR.	8'-0"	8
* A75	1	5	STR.	7'-3"	8
* A76	1	5	STR.	6'-5"	7
* A77	1	5	STR.	5'-7"	6
* A78	1	5	STR.	4'-9"	5
* A79	1	5	STR.	3'-11"	4
* A80	1	5	STR.	3'-1"	3
* A81	6	6	STR.	6'-2"	56
* B1	100	4	STR.	28'-6"	1,904
* B2	50	6	STR.	60'-0"	4,506
* B3	96	6	STR.	25'-0"	3,605
* B4	25	4	STR.	26'-5"	441
* G1	1	5	STR.	40'-0"	42
* G2	1	5	STR.	44'-1"	46
* J1	80	4	6	1'-5"	76
* K1	2	8	1	15'-2"	81
* K2	2	8	1	14'-11"	80
* K3	4	8	2	22'-8"	242
* K14	4	8	2	24'-10"	265
* K15	2	8	1	15'-11"	85
* K16	2	8	1	16'-7"	89
* S1	57	5	3	6'-0"	357
* S2	27	4	4	3'-10"	69
* S4	30	4	4	3'-10"	77
* U1	42	4	2	13'-4"	374
* U2	12	4	2	11'-10"	95

EPOXY COATED REINFORCING STEEL TOTAL: 31,145

BILL OF MATERIAL					
REINFORCING STEEL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS.)
A101	451	5	STR.	36'-3"	17,052
A102	1	5	STR.	36'-0"	38
A103	1	5	STR.	35'-2"	37
A104	1	5	STR.	34'-3"	36
A105	1	5	STR.	33'-4"	35
A106	1	5	STR.	32'-5"	34
A107	1	5	STR.	31'-6"	33
A108	1	5	STR.	30'-7"	32
A109	1	5	STR.	29'-8"	31
A110	1	5	STR.	28'-9"	30
A111	1	5	STR.	27'-9"	29
A112	1	5	STR.	27'-0"	28
A113	1	5	STR.	26'-1"	27
A114	1	5	STR.	25'-2"	26
A115	1	5	STR.	24'-3"	25
A116	1	5	STR.	23'-4"	24
A117	1	5	STR.	22'-5"	23
A118	1	5	STR.	21'-6"	22
A119	1	5	STR.	20'-8"	22
A120	1	5	STR.	19'-9"	21
A121	1	5	STR.	18'-10"	20
A122	1	5	STR.	17'-11"	19
A123	1	5	STR.	17'-0"	18
A124	1	5	STR.	16'-1"	17
A125	1	5	STR.	15'-2"	16
A126	1	5	STR.	14'-3"	15
A127	1	5	STR.	13'-5"	14
A128	1	5	STR.	12'-6"	13
A129	1	5	STR.	11'-7"	12
A130	1	5	STR.	10'-8"	11
A131	1	5	STR.	9'-9"	10
A132	1	5	STR.	8'-10"	9
A133	1	5	STR.	7'-11"	8
A134	1	5	STR.	7'-0"	7
A135	1	5	STR.	6'-2"	6
A136	1	5	STR.	5'-3"	5
A137	1	5	STR.	4'-4"	5
A138	1	5	STR.	3'-5"	4
A139	1	5	STR.	2'-6"	3
A140	1	5	STR.	36'-1"	38
A141	1	5	STR.	35'-3"	37
A142	1	5	STR.	34'-5"	36
A143	1	5	STR.	33'-7"	35
A144	1	5	STR.	32'-9"	34
A145	1	5	STR.	31'-11"	33
A146	1	5	STR.	31'-1"	32
A147	1	5	STR.	30'-4"	32
A148	1	5	STR.	29'-6"	31
A149	1	5	STR.	28'-8"	30
A150	1	5	STR.	27'-10"	29
A151	1	5	STR.	27'-0"	28
A152	1	5	STR.	26'-2"	27
A153	1	5	STR.	25'-4"	26

BILL OF MATERIAL					
REINFORCING STEEL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS.)
A154	1	5	STR.	24'-6"	26
A155	1	5	STR.	23'-8"	25
A156	1	5	STR.	22'-11"	24
A157	1	5	STR.	22'-1"	23
A158	1	5	STR.	21'-3"	22
A159	1	5	STR.	20'-5"	21
A160	1	5	STR.	19'-7"	20
A161	1	5	STR.	18'-9"	20
A162	1	5	STR.	17'-11"	19
A163	1	5	STR.	17'-1"	18
A164	1	5	STR.	16'-3"	17
A165	1	5	STR.	15'-5"	16
A166	1	5	STR.	14'-8"	15
A167	1	5	STR.	13'-10"	14
A168	1	5	STR.	13'-0"	14
A169	1	5	STR.	12'-2"	13
A170	1	5	STR.	11'-4"	12
A171	1	5	STR.	10'-6"	11
A172	1	5	STR.	9'-8"	10
A173	1	5	STR.	8'-10"	9
A174	1	5	STR.	8'-0"	8
A175	1	5	STR.	7'-3"	8
A176	1	5	STR.	6'-5"	7
A177	1	5	STR.	5'-7"	6
A178	1	5	STR.	4'-9"	5
A179	1	5	STR.	3'-11"	4
A180	1	5	STR.	3'-1"	3
B101	196	5	STR.	43'-8"	8,927
B102	98	5	STR.	42'-5"	4,336
K4	9	6	STR.	8'-7"	116
K5	10	4	STR.	18'-1"	121
K6	6	4	STR.	7'-5"	30
K7	12	4	STR.	8'-11"	71
K8	12	4	STR.	10'-1"	81
K9	10	4	STR.	18'-8"	125
K10	6	4	STR.	7'-8"	31
K11	12	4	STR.	9'-0"	72
K12	12	4	STR.	10'-5"	84
K13	9	6	STR.	9'-7"	130
S3	204	4	5	2'-9"	375

REINFORCING STEEL TOTAL: 33,154

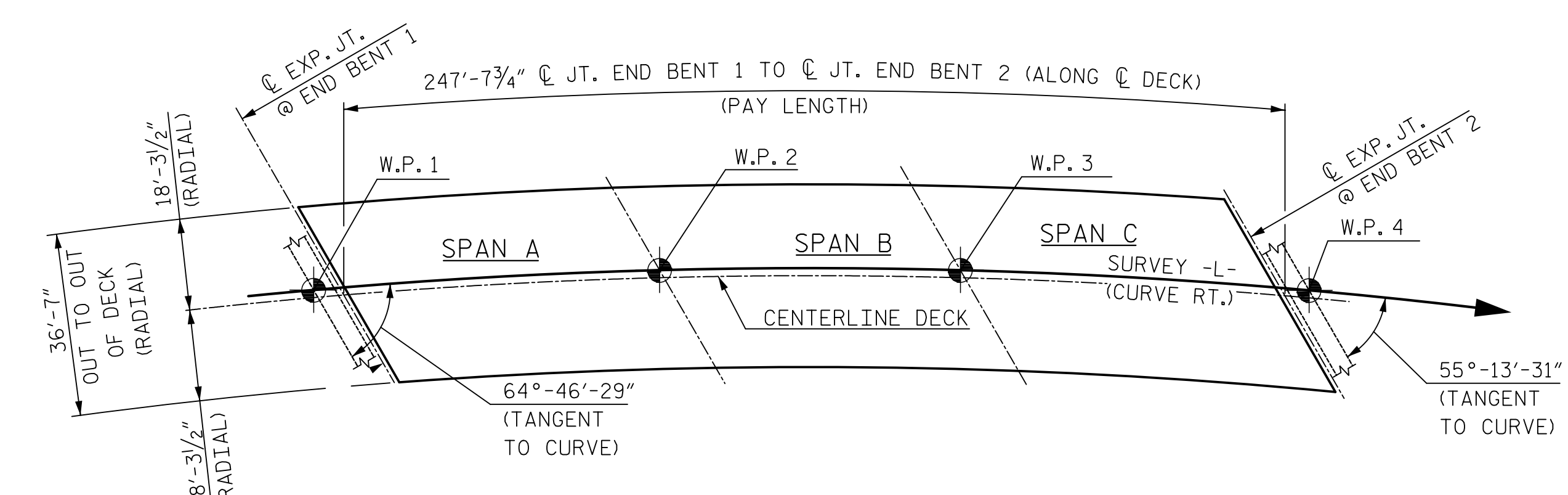


ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	98.0		
POUR 2	112.9	33,154	31,145
POUR 3	129.2		
TOTALS**	340.1	33,154	31,145

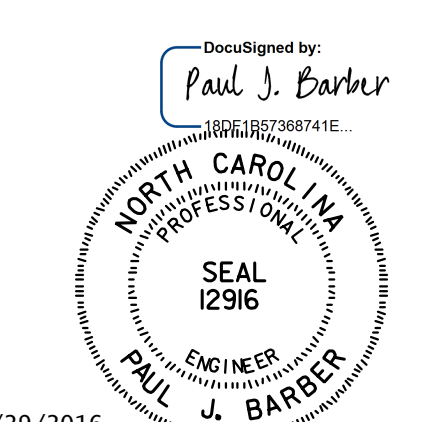
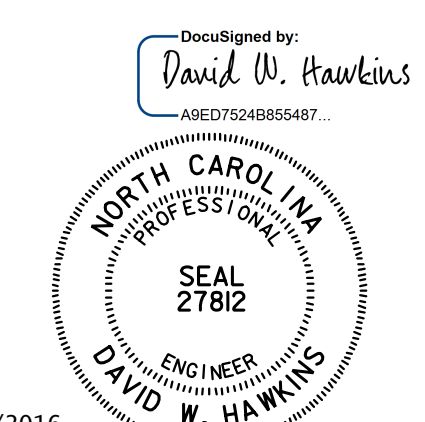
\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED  
NOTE: CONCRETE IN CLOSURE POUR AT SLAB EXPANSION JOINTS IS INCLUDED IN THE ADJACENT POUR QUANTITY.

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"			



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 9,060)

GROOVING BRIDGE FLOORS		
APPROACH SLABS	1,476	SQ.FT.
BRIDGE DECK	7,635	SQ.FT.
TOTAL	9,111	SQ.FT.



PROJECT NO. B-4811  
RUTHERFORD COUNTY  
STATION: POC 15+25.00 -L-

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
SUPERSTRUCTURE  
BILL OF MATERIAL

ASSEMBLED BY: M. WRIGHT	DATE: 11/14
CHECKED BY: P. BARBER	DATE: 12/14
DRAWN BY: JMB 5/87	REV. 8/16/99
CHECKED BY: SJD 9/87	REV. 5/1/06
	REV. 10/1/11
	RWW/LES
	TLA/GM
	MAA/GM

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HNTB	HNTB NORTH CAROLINA, P.C.
	NC License No. C-1554
	343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609
DRAWN BY: M. WRIGHT	DATE: 11/14
CHECKED BY: P. BARBER	DATE: 12/14
	DWG. NO. 27

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