REINFORCING BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
∗ A1	529	#5	STR	40′-0″	22070
∗ A2	525	#5	STR	25′-5″	13918
∗ A3	1	#5	STR	5′-7″	6
∗ A4	1	#5	STR	7′-1″	7
∗ A5	1	#5	STR	8′-7″	9
∗ A6	1	#5	STR	10′-1″	11
∗ A7	1	#5	STR	11′-6″	12
∗ A8	1	#5	STR	13′-0″	14
∗ A9	1	#5	STR	14′-6″	15
∗ A10	1	#5	STR	16′-0″	17
∗ A11	1	#5	STR	17′-6″	18
∗ A12	1	#5	STR	18′-11″	20
∗ A13	1	#5	STR	20′-5″	21
∗ A14	1	#5	STR	21′-11″	23
∗ A15	1	#5	STR	23′-5″	24
∗ A16	1	#5	STR	24′-11″	26
∗ A17	1	#5	STR	26′-4″	27
∗ A18	1	#5	STR	27′-10″	29
∗ A19	1	#5	STR	29′-4″	31
∗ A20	1	#5	STR	30′-10″	32
∗ A21	1	#5	STR	32′-3″	34
∗ A22	1	#5	STR	33′-9″	35
∗ A23	1	#5	STR	35′-3″	37
∗ A24	1	#5	STR	36′-9″	38
∗ A25	1	#5	STR	38′-3″	40
∗ A26	1	#5	STR	39′-8″	41
∗ A27	1	#5	STR	41′-2″	43
∗ A28	1	#5	STR	42′-8″	45
∗ A29	1	#5	STR	44′-2″	46
∗ A30	1	#5	STR	45′-8″	48
∗ A31	1	#5	STR	47′-1″	49
∗ A32	1	#5	STR	48′-7″	51
∗ A33	1	#5	STR	50′-1″	52
∗ A34	1	#5	STR	51′-7″	54
∗ A35	1	#5	STR	53′-1″	55
∗ A36	1	#5	STR	54′-6″	57
∗ A37	1	#5	STR	56′-0″	58
∗ A38	1	#5	STR	57′-6″	60
∗ A39	1	#5	STR	59′-0″	62
∗ A40	1	#5	STR	59′-4″	62
∗ A41	1	#5	STR	57′-10″	60
∗ A42	1	#5	STR	56′-4″	59
∗ A43	1	#5	STR	54′-10″	57
∗ A44	1	#5	STR	53′-4″	56
∗ A45	1	#5	STR	51′-10″	54
∗ A46	1	#5	STR	50′-4″	53
∗ A47	1	#5	STR	48′-10″	51
∗ A48	1	#5	STR	47′-4″	49
∗ A49	1	#5	STR	45′-11″	48
∗ A50	1	#5	STR	44′-5″	46
∗ A51	1	#5	STR	42′-11″	45
∗ A52	1	#5	STR	41′-5″	43

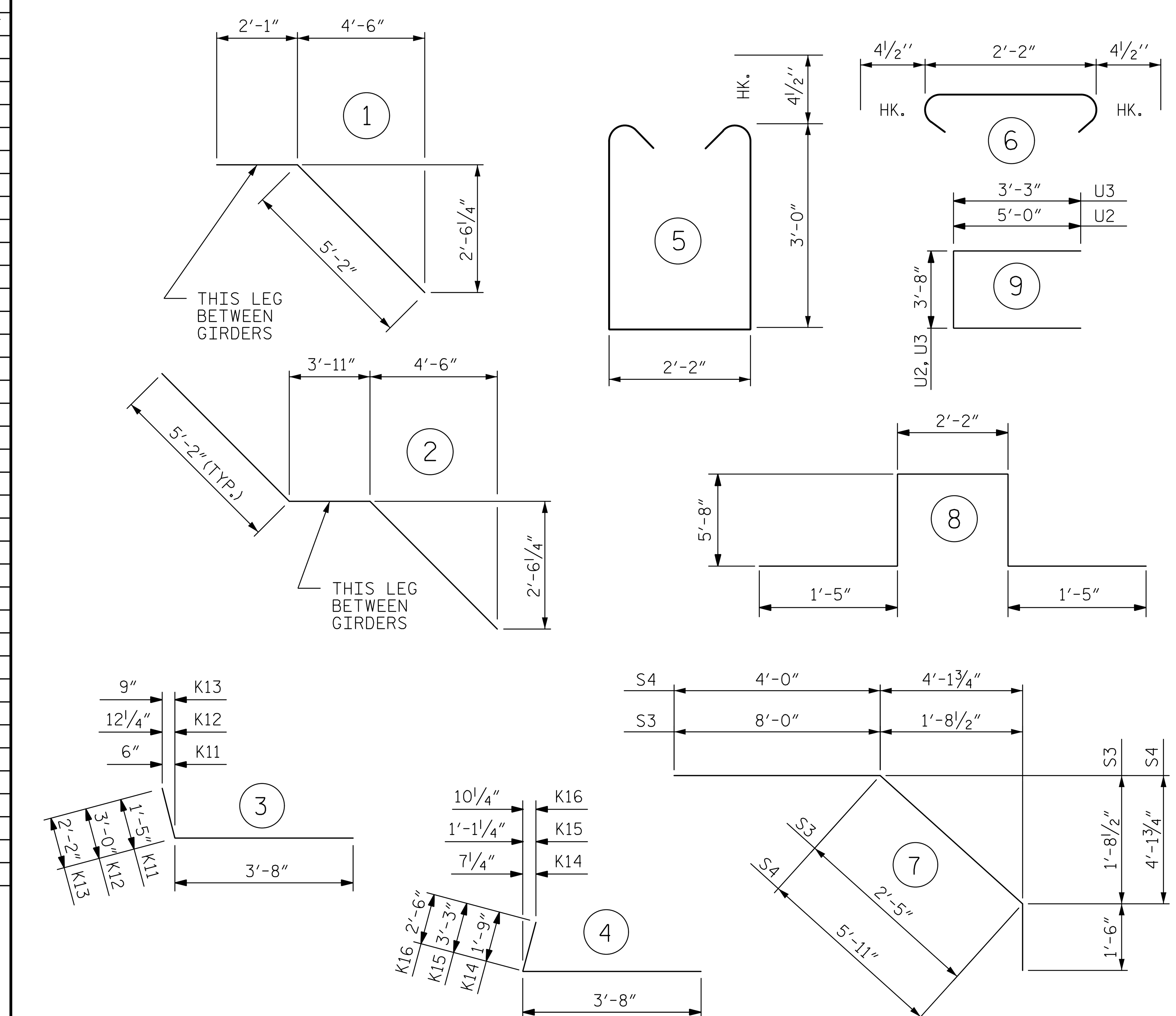
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
∗ A53	1	#5	STR	39′-11″	42
∗ A54	1	#5	STR	38′-5″	40
∗ A55	1	#5	STR	36′-11″	39
∗ A56	1	#5	STR	35′-5″	37
∗ A57	1	#5	STR	33′-11″	35
∗ A58	1	#5	STR	32′-5″	34
∗ A59	1	#5	STR	30′-11″	32
∗ A60	1	#5	STR	29′-6″	31
∗ A61	1	#5	STR	28′-0″	29
∗ A62	1	#5	STR	26′-6″	28
∗ A63	1	#5	STR	25′-0″	26
∗ A64	1	#5	STR	23′-6″	25
∗ A65	1	#5	STR	22′-0″	23
∗ A66	1	#5	STR	20′-6″	21
∗ A67	1	#5	STR	19′-0″	20
∗ A68	1	#5	STR	17′-6″	18
∗ A69	1	#5	STR	16′-0″	17
∗ A70	1	#5	STR	14′-6″	15
∗ A71	1	#5	STR	13′-0″	14
∗ A72	1	#5	STR	11′-7″	12
∗ A73	1	#5	STR	10′-1″	11
∗ A74	1	#5	STR	8′-7″	9
∗ A75	1	#5	STR	7′-1″	7
∗ A76	1	#5	STR	5′-7″	6
∗ A77	4	#5	STR	25′-0″	104
∗ A78	1126	#5	STR	4′-6″	5285
∗ A79	8	#5	STR	7′-0″	58
A80	529	#5	STR	40′-0″	22070
A81	525	#5	STR	25′-1″	13735
A82	1	#5	STR	5′-7″	6
A83	1	#5	STR	7′-1″	7
A84	1	#5	STR	8′-7″	9
A85	1	#5	STR	10′-1″	11
A86	1	#5	STR	11′-6″	12
A87	1	#5	STR	13′-0″	14
A88	1	#5	STR	14′-6″	15
A89	1	#5	STR	16′-0″	17
A90	1	#5	STR	17′-6″	18
A91	1	#5	STR	18′-11″	20
A92	1	#5	STR	20′-5″	21
A93	1	#5	STR	21′-11″	23
A94	1	#5	STR	23′-5″	24
A95	1	#5	STR	24′-11″	26
A96	1	#5	STR	26′-4″	27
A97	1	#5	STR	27′-10″	29
A98	1	#5	STR	29′-4″	31
A99	1	#5	STR	30′-10″	32
A100	1	#5	STR	32′-3″	34
A101	1	#5	STR	33′-9″	35
A102	1	#5	STR	35′-3″	37
A103	1	#5	STR	36′-9″	38
A104	1	#5	STR	38′-3″	40

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
A105	1	#5	STR	39′-8″	41
A106	1	#5	STR	41′-2″	43
A107	1	#5	STR	42′-8″	45
A108	1	#5	STR	44′-2″	46
A109	1	#5	STR	45′-8″	48
A110	1	#5	STR	47′-1″	49
A111	1	#5	STR	48′-7″	51
A112	1	#5	STR	50′-1″	52
A113	1	#5	STR	51′-7″	54
A114	1	#5	STR	53′-1″	55
A115	1	#5	STR	54′-6″	57
A116	1	#5	STR	56′-0″	58
A117	1	#5	STR	57′-6″	60
A118	1	#5	STR	59′-0″	62
A119	1	#5	STR	59′-4″	62
A120	1	#5	STR	57′-10″	60
A121	1	#5	STR	56′-4″	59
A122	1	#5	STR	54′-10″	57
A123	1	#5	STR	53′-4″	56
A124	1	#5	STR	51′-10″	54
A125	1	#5	STR	50′-4″	53
A126	1	#5	STR	48′-10″	51
A127	1	#5	STR	47′-4″	49
A128	1	#5	STR	45′-11″	48
A129	1	#5	STR	44′-5″	46
A130	1	#5	STR	42′-11″	45
A131	1	#5	STR	41′-5″	43
A132	1	#5	STR	39′-11″	42
A133	1	#5	STR	38′-5″	40
A134	1	#5	STR	36′-11″	39
A135	1	#5	STR	35′-5″	37
A136	1	#5	STR	33′-11″	35
A137	1	#5	STR	32′-5″	34
A138	1	#5	STR	30′-11″	32
A139	1	#5	STR	29′-6″	31
A140	1	#5	STR	28′-0″	29
A141	1	#5	STR	26′-6″	28
A142	1	#5	STR	25′-0″	26
A143	1	#5	STR	23′-6″	25
A144	1	#5	STR	22′-0″	23
A145	1	#5	STR	20′-6″	21
A146	1	#5	STR	19′-0″	20
A147	1	#5	STR	17′-6″	18
A148	1	#5	STR	16′-0″	17
A149	1	#5	STR	14′-6″	15
A150	1	#5	STR	13′-0″	14
A151	1	#5	STR	11′-7″	12
A152	1	#5	STR	10′-1″	11
A153	1	#5	STR	8′-7″	9
A154	1	#5	STR	7′-1″	7
A155	1	#5	STR	5′-7″	6
A156	4	#5	STR	24′-6″	102

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
A157	8	#5	STR	7′-0″	58
∗ B1	64	#5	STR	30′-6″	2036
∗ B2	256	#5	STR	60′-0″	16020
∗ B3	64	#5	STR	35′-3″	2353
∗ B4	64	#5	STR	17′-6″	1168
∗ B5	252	#7	STR	40′-0″	20604
B6	81	#5	STR	29′-9″	2513
B7	324	#5	STR	60′-0″	20276
B8	81	#5	STR	34′-6″	2915
B9	81	#5	STR	16′-6″	1394
∗ K1	20	#4	STR	7′-8″	102
∗ K2	80	#4	STR	10′-11″	583
∗ K3	20	#4	STR	9′-3″	124
∗ K4	24	#4	1	7′-3″	116
∗ K5	48	#4	2	14′-3″	457
∗ K6	10	#5	STR	7′-8″	80
∗ K7	60	#5	STR	10′-11″	683
∗ K8	10	#5	STR	9′-3″	96
∗ K9	16	#5	STR	60′-0″	1001
∗ K10	16	#5	STR	9′-9″	163
∗ K11	2	#5	3	5′-1″	11
∗ K12	12	#5	3	6′-8″	83
∗ K13	2	#5	3	5′-10″	12
∗ K14	2	#5	4	5′-5″	11
∗ K15	12	#5	4	7′-0″	88
∗ K16	2	#5	4	6′-2″	13
S1	20	#4	5	8′-10″	118
S2	480	#4	6	2′-10″	908
∗ S3	92	#4	7	11′-11″	732
∗ S4	92	#4	7	11′-5″	702
U1	80	#4	8	16′-3″	868
∗ U2	92	#4	9	13′-8″	840
∗ U3	48	#4	9	10′-1″	323

∗EPOXY COATED

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

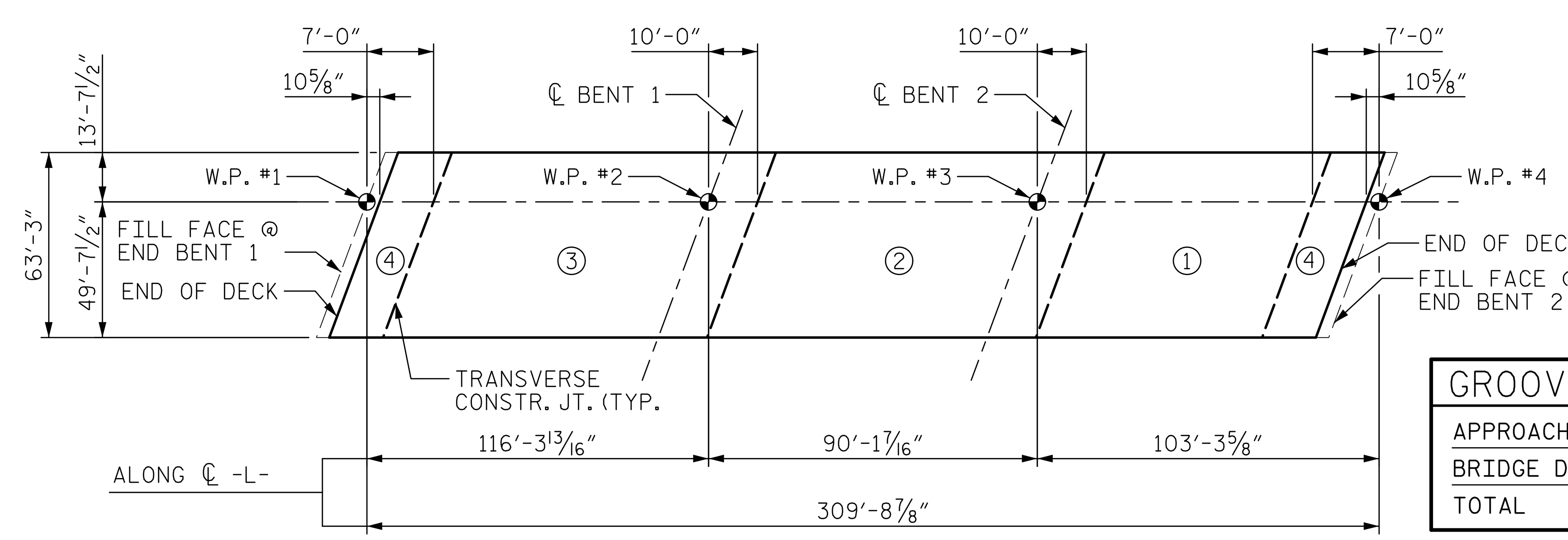
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPANS "A"-"C"	—	68839	89391
POUR 1	151.6	—	—
POUR 2	188.8	—	—
POUR 3	240.1	—	—
POUR 4	172.2	—	—
TOTALS∗∗	752.7	68839	89391

∗∗QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED
∗∗QUANTITIES FOR END BENT DIAPHRAGMS AND BENT DIAPHRAGMS ARE INCLUDED

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. = 19479)

GROOVING BRIDGE FLOORS

APPROACH SLABS	4124 SQ.FT.
BRIDGE DECK	17554 SQ.FT.
TOTAL	21678 SQ.FT.

ASSEMBLED BY : HLS DATE : 6/10/14
CHECKED BY : EML DATE : 8/1/14

DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87

REV. 8/16/99 RWW/LES
REV. 5/1/06 TLA/GM
REV. 10/1/11 MAA/GM

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 628+65.50 -L-

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 16572 STEVEN K. DOERRER
DocuSigned by: Steven K Doerrer
A22D3DBEFA1D43F...
9/11/2014

Prepared by:
JACOBS
JACOBS ENGINEERING GROUP
111 CORNING ROAD, SUITE 200
CARY, NORTH CAROLINA 27518
TEL: (919) 859-5000

DWG. NO. 26 OF 44

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL
RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-379
1			3			TOTAL SHEETS
2			4			707

STD. NO. BOM2

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