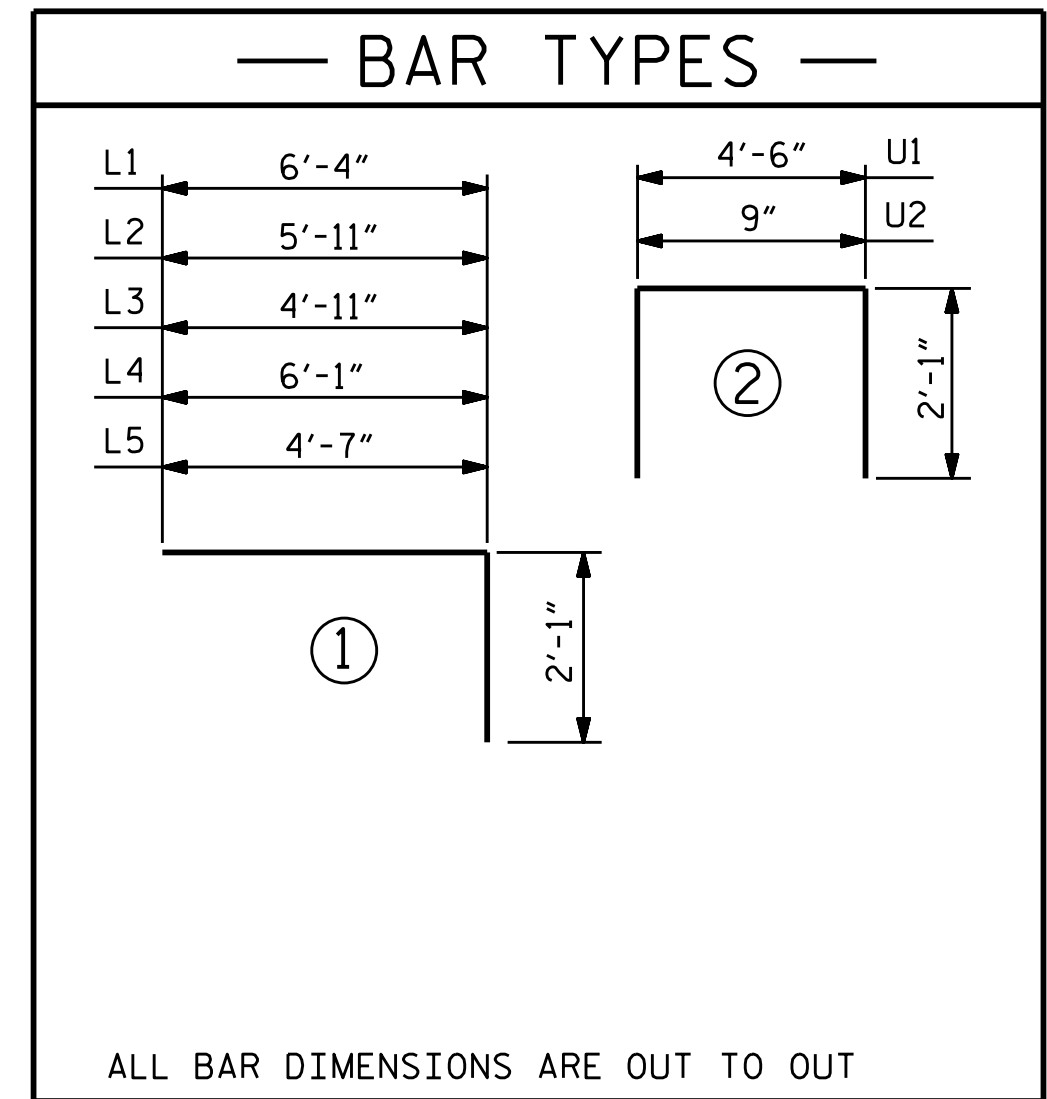


BILL OF MATERIAL					
SPANS ABC					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1204	#6	STR	34'-3"	41237.0
B1	375	#6	STR	60'-0"	22500.0
B2	75	#6	STR	20'-8"	1550.0
B3	68	#6	STR	26'-0"	1768.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					67350.0
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					67681.0
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	322.9		
		POUR 2	43.6		
		TOTAL	366.5		

BILL OF MATERIAL					
SPANS DEF, JKL, MNO					
GFRP BAR SCHEDULE FOR ONE 3 SPAN UNIT					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1566	#6	STR	34'-3"	53635.5
B1	450	#6	STR	60'-0"	27000.0
B4	75	#6	STR	55'-5"	4156.3
B5	68	#6	STR	29'-0"	1972.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					87058.8
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					87389.8
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	311.4		
		POUR 2	62.3		
		TOTAL	373.7		
SPANS DEF		POUR	CU. YDS.	TOTAL	
POUR 1		367.3	408.9	451.4	
POUR 2		41.6		CY.YDS.	
SPANS JKL		POUR	CU. YDS.	TOTAL	
POUR 1		405.5	451.4	CY.YDS.	
POUR 2		45.9		CY.YDS.	
SPANS MNO		POUR	CU. YDS.	TOTAL	
POUR 1		460.2	512.4	CY.YDS.	
POUR 2		52.2		CY.YDS.	

BILL OF MATERIAL					
SPANS GHI					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1462	#6	STR	34'-3"	50073.5
B1	402	#6	STR	60'-0"	24120.0
B10	68	#6	STR	49'-0"	3332.0
B6	134	#6	STR	16'-9"	2244.5
L3	4	#8	1	7'-0"	28.0
L5	36	#8	1	6'-8"	240.0
U1	12	#8	2	8'-8"	104
U2	64	#6	2	4'-11"	314.7
TOTAL LIN. FT. # 6 BARS					80084.7
TOTAL LIN. FT. # 8 BARS					372.0
TOTAL LIN. FT.					80456.7
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	311.4		
		POUR 2	62.3		
		TOTAL	373.7		

BILL OF MATERIAL					
SPANS PQ					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1044	#6	STR	34'-3"	35757.0
B1	300	#6	STR	60'-0"	18000.0
B5	34	#6	STR	29'-0"	986.0
B7	75	#6	STR	36'-8"	2750.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					57788.0
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					58119.0
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	286.6		
		POUR 2	23.5		
		TOTAL	310.1		



GROOVING BRIDGE FLOORS	
APPROACH SLABS	795 SQ.FT.
BRIDGE DECK	92340 SQ.FT.
TOTAL	93135 SQ.FT.

GFRP BAR LENGTH	
GROSS TOTAL # 6 BARS	713290.1 LIN. FT.
GROSS TOTAL # 8 BARS	3351.0 LIN. FT.
** GROSS TOTAL	716641.1 LIN. FT.

\*\* QUANTITIES FOR PARAPET ARE NOT INCLUDED

SAND LIGHT-WEIGHT CONCRETE	3673.2 CU. YDS.
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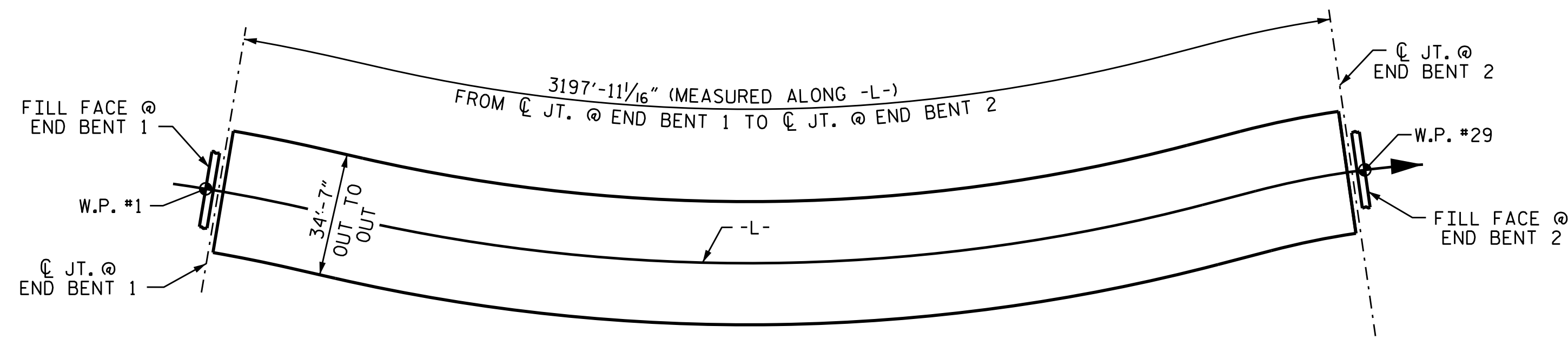
SUPERSTRUCTURE GFRP REINFORCING LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS		
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL	APPROACH SLABS
#6	4'-0"	4'-0"

BILL OF MATERIAL					
SPANS RST					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1206	#6	STR	34'-3"	41305.5
B1	375	#6	STR	60'-0"	22500.0
B3	68	#6	STR	26'-0"	1768.0
B8	75	#6	STR	21'-4"	1600
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					67468.5
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					67799.5
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	303.0		
		POUR 2	40.7		
		TOTAL	343.7		

BILL OF MATERIAL					
SPANS UVW					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1204	#6	STR	34'-3"	41237.0
B1	375	#6	STR	60'-0"	22500.0
B3	68	#6	STR	26'-0"	1768.0
B8	75	#6	STR	21'-4"	1600.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					67400.0
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					67731.0
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	302.4		
		POUR 2	40.8		
		TOTAL	343.2		

BILL OF MATERIAL					
SPANS XYZ					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	1202	#6	STR	34'-3"	41168.5
B1	375	#6	STR	60'-0"	22500.0
B3	68	#6	STR	26'-0"	1768.0
B8	75	#6	STR	21'-4"	1600.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					67331.5
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					67662.5
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	294.1		
		POUR 2	39.6		
		TOTAL	333.7		

BILL OF MATERIAL					
SPANS AA, BB					
GFRP BAR SCHEDULE					
BAR	NUMBER	SIZE	TYPE	LENGTH	LIN. FT.
A1	804	#6	STR	34'-3"	27537.0
B1	225	#6	STR	60'-0"	13500.0
B3	34	#6	STR	26'-0"	884.0
B9	75	#6	STR	33'-0"	2475.0
L1	4	#8	1	8'-5"	33.7
L2	4	#8	1	8'-0"	32.0
L4	24	#8	1	8'-2"	196.0
U1	8	#8	2	8'-8"	69.3
U2	60	#6	2	4'-11"	295.0
TOTAL LIN. FT. # 6 BARS					44691.0
TOTAL LIN. FT. # 8 BARS					331.0
TOTAL LIN. FT.					45022.0
SAND LIGHT-WEIGHT CONCRETE		POUR	CU. YDS.		
		POUR 1	209.2		
		POUR 2	20.4		
		TOTAL	229.6		



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 110,595)

DRAWN BY : B. N. BARODAWALA DATE : 04-21  
 CHECKED BY : A. A. IGHWAIR DATE : 04-21  
 DESIGN ENGINEER OF RECORD : A. A. IGHWAIR DATE : 04-21

15-APR-2021 13:32  
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 akpatel

Documented by:  
 Ahmad Engineer  
 48648044555489

4/16/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			194
2			4			

PROJECT NO. B-4863  
 CARTERET COUNTY  
 STATION: 34+75.00 -L-

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

