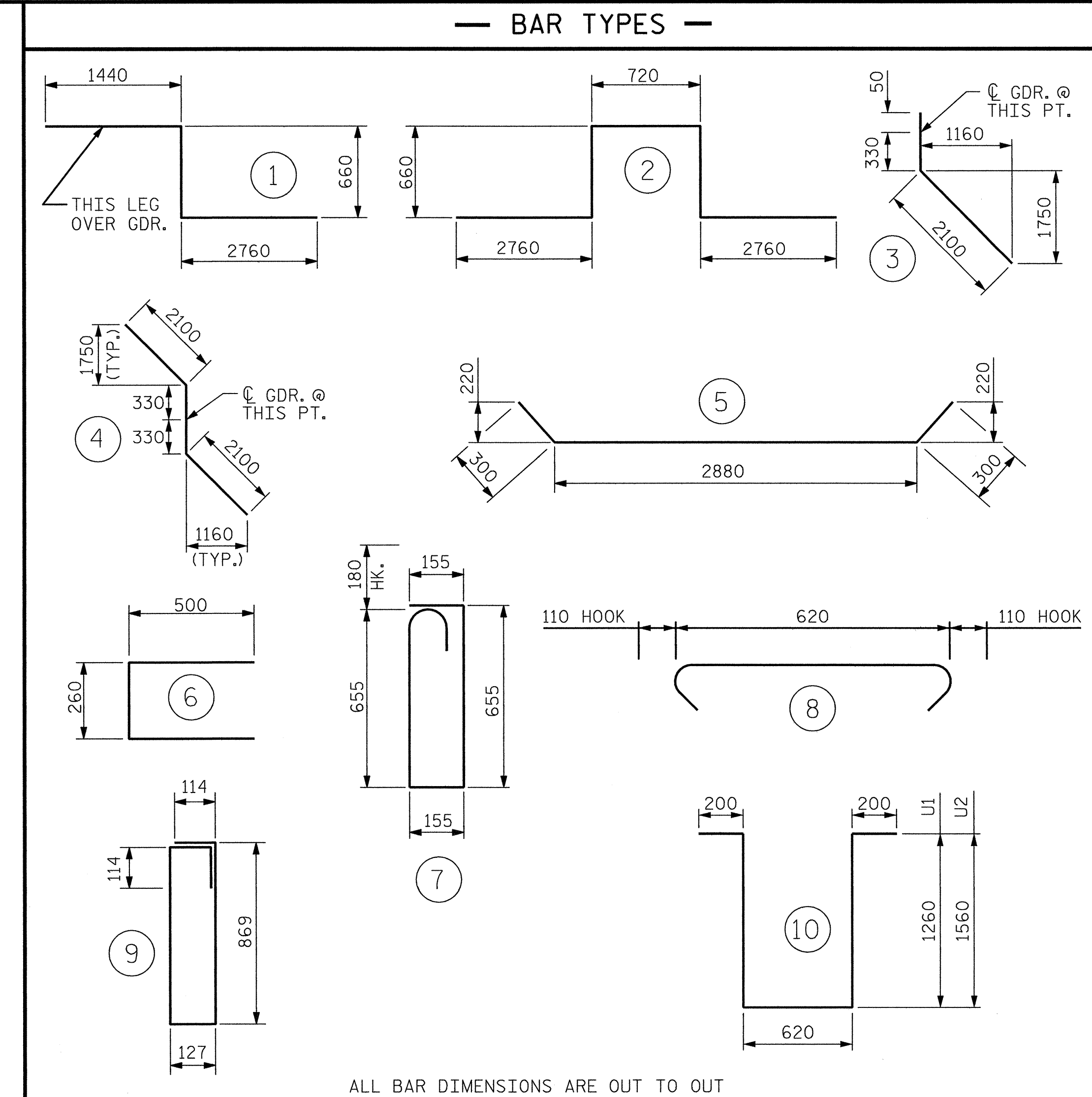


BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	351	16	STR	12840	6995
A2	351	16	STR	12840	6995
* A3	6	19	STR	6000	80
* A101	2	16	STR	920	3
* A102	2	16	STR	1200	4
* A103	2	16	STR	1460	5
* A104	2	16	STR	1720	5
* A105	2	16	STR	1980	6
* A106	2	16	STR	2240	7
* A107	2	16	STR	2500	8
* A108	2	16	STR	2760	9
* A109	2	16	STR	3020	9
* A110	2	16	STR	3280	10
* A111	2	16	STR	3560	11
* A112	2	16	STR	3820	12
* A113	2	16	STR	4080	13
* A114	2	16	STR	4340	13
* A115	2	16	STR	4600	14
* A116	2	16	STR	4860	15
* A117	2	16	STR	5120	16
* A118	2	16	STR	5380	17
* A119	2	16	STR	5640	18
* A120	2	16	STR	5920	18
* A121	2	16	STR	6180	19
* A122	2	16	STR	6440	20
* A123	2	16	STR	6700	21
* A124	2	16	STR	6960	22
* A125	2	16	STR	7220	22
* A126	2	16	STR	7480	23
* A127	2	16	STR	7740	24
* A128	2	16	STR	8000	25
* A129	2	16	STR	8280	26
* A130	2	16	STR	8540	27
* A131	2	16	STR	8800	27
* A132	2	16	STR	9060	28
* A133	2	16	STR	9320	29
* A134	2	16	STR	9580	30
* A135	2	16	STR	9840	31
* A136	2	16	STR	10100	31
* A137	2	16	STR	10360	32
* A138	2	16	STR	10640	33
* A139	2	16	STR	10900	34
* A140	2	16	STR	11160	35
* A141	2	16	STR	11420	35
* A142	2	16	STR	11680	36
* A143	2	16	STR	11940	37
* A144	2	16	STR	12200	38
* A145	2	16	STR	12460	39
* A146	2	16	STR	12720	39

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A201	2	16	STR	920	3
A202	2	16	STR	1200	4
A203	2	16	STR	1460	5
A204	2	16	STR	1720	5
A205	2	16	STR	1980	6
A206	2	16	STR	2240	7
A207	2	16	STR	2500	8
A208	2	16	STR	2760	9
A209	2	16	STR	3020	9
A210	2	16	STR	3280	10
A211	2	16	STR	3560	11
A212	2	16	STR	3820	12
A213	2	16	STR	4080	13
A214	2	16	STR	4340	13
A215	2	16	STR	4600	14
A216	2	16	STR	4860	15
A217	2	16	STR	5120	16
A218	2	16	STR	5380	17
A219	2	16	STR	5640	18
A220	2	16	STR	5920	18
A221	2	16	STR	6180	19
A222	2	16	STR	6440	20
A223	2	16	STR	6700	21
A224	2	16	STR	6960	22
A225	2	16	STR	7220	22
A226	2	16	STR	7480	23
A227	2	16	STR	7740	24
A228	2	16	STR	8000	25
A229	2	16	STR	8280	26
A230	2	16	STR	8540	27
A231	2	16	STR	8800	27
A232	2	16	STR	9060	28
A233	2	16	STR	9320	29
A234	2	16	STR	9580	30
A235	2	16	STR	9840	31
A236	2	16	STR	10100	31
A237	2	16	STR	10360	32
A238	2	16	STR	10640	33
A239	2	16	STR	10900	34
A240	2	16	STR	11160	35
A241	2	16	STR	11420	35
A242	2	16	STR	11680	36
A243	2	16	STR	11940	37
A244	2	16	STR	12200	38
A245	2	16	STR	12460	39
A246	2	16	STR	12720	39

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	31	13	STR	8660	267
* B2	62	13	STR	6000	370
* B3	62	13	STR	5200	320
* B4	62	22	STR	16100	3037
* B5	56	22	STR	6600	1124
B6	212	16	STR	14500	4771
* G1	2	16	STR	14500	45
* K1	8	25	1	4860	154
* K2	8	25	2	7560	240
* K3	18	19	STR	3400	137
K4	18	16	STR	3040	85
K5	18	16	5	3480	97
K6	20	13	3	2480	49
K7	20	13	4	4860	97
K8	12	13	STR	3400	41
K9	24	13	STR	3740	89
K10	12	13	STR	3480	42
K11	12	13	STR	3220	38
* S1	66	13	6	1260	83
* S2	66	16	7	1800	184
S3	90	13	9	2220	199
S4	264	13	8	840	220
U1	12	13	10	3540	42
U2	54	13	10	4140	222
REINFORCING STEEL:					
TOTAL kg.					13,963
* EPOXY COATED REINF. STEEL:					
TOTAL kg.					14,012
* DENOTES EPOXY COATED REINF. STEEL					

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	
#13	610	540	610	540	840
#16	770	660	770	660	1050
#19	920	790	1190	790	1330
#22	1580	1060			
#25	2080	1390			



GROOVING BRIDGE FLOORS	
APPROACH SLABS	164.3 SQ. METER
BRIDGE DECK	620.9 SQ. METER
TOTAL	785.2 SQ. METER

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. METER)	REINFORCING STEEL (kg)	EPOXY COATED REINFORCING STEEL (kg)
SPAN A, B, AND C		13,963	14,012
POUR 1	40.3		
POUR 2	114.3		
POUR 3	74.9		
TOTALS **	229.5	13,963	14,012

\*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. **R-2552B**  
**JOHNSTON** COUNTY  
 STATION: **97+59.319-L-LT POC**



**CTE ENGINEERS**  
 CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.  
 13325 SOUTH POINT BOULEVARD, SUITE 400  
 CHARLOTTE, NORTH CAROLINA 28273-5820  
 (704) 583-0902

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH STANDARD			
SUPERSTRUCTURE BILL OF MATERIAL			
REVISIONS			
NO.	BY:	DATE:	SHEET NO.
1			5-97
2			431

ASSEMBLED BY : JDF	DATE : 05/01/02
CHECKED BY : MSB	DATE : 05/01/02
DRAWN BY : JMB 5/87	REV. 5/16/97 EEM/RGW
CHECKED BY : SJD 9/87	

LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. METER = 729.8)

