NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE BID FOR BRIDGE APPROACH SLABS.

APPROACH SLAB SHALL NOT BE CONSTRUCTED PRIOR TO COMPLETION OF THE BRIDGE DECK.

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING FABRIC, IMPERMEABLE GEOMEMBRANE, 102mm Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

TEMPORARY DRAINAGE AND TEMPORARY BERM AND SLOPE DRAINS WILL BE PAID FOR UNDER THE LUMP SUM PRICE FOR BRIDGE APPROACH SLAB.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

THE 150mm COMP. A.B.C. SHALL EXTEND 3m BEYOND THE END OF THE APPROACH SLAB AND 300mm OUTSIDE OF EACH EDGE OF THE SLAB.

THE CONTRACTOR MAY USE 100mm TYPE B-25.0B ASPHALT CONCRETE COURSE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE BASE COURSE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB.

THE CONTRACTOR MAY USE 125mm CLASS "A" CONCRETE BASE IN LIEU OF 150mm COMP. A.B.C. IF THIS OPTION IS USED, THE CONCRETE BASE SHALL EXTEND 300mm BEYOND THE END OF THE APPROACH SLAB AND THE WIDTH SHALL BE THE SAME AS THAT OF THE APPROACH SLAB. THE CONCRETE SHALL BE FINISHED TO A SMOOTH SURFACE AND A LAYER OF 13.6 kg. ROOFING FELT SHALL BE PLACED BETWEEN THE CONCRETE BASE AND THE APPROACH SLAB TO PREVENT BOND. THE APPROACH SLAB SHALL NOT BE CAST UNTIL THE CONCRETE BASE HAS REACHED AN AGE OF THREE CURING DAYS.

BILL OF MATERIAL
FOR ONE APPROACH SLAB (2 REQRD.)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A101	2	#16	STR	680	2
*A102	2	#16	STR	1200	4
*A103	2	#16	STR	1720	5
*A104	2	#16	STR	2220	7
*A105	2	#16	STR	2740	9
*A106	2	#16	STR	3260	10
*A107	2	#16	STR	3780	12
*A108	2	#16	STR	4300	13
*A109	2	#16	STR	4820	15
*A110	2	#16	STR	5340	17
*A111	2	#16	STR	5860	18
*A112	2	#16	STR	6380	20
*A113	2	#16	STR	6900	21
*A114	2	#16	STR	7420	23
*A115	2	#16	STR	7940	25
*A116	2	#16	STR	8460	26
*A117	2	#16	STR	8980	28
*A118	2	#16	STR	9500	29
*A119	2	#16	STR	10020	31
*A120	2	#16	STR	10540	33
*A121	2	#16	STR	11060	34
*A122	2	#16	STR	11580	36
*A123	2	#16	STR	12100	38
*A124	2	#16	STR	12620	39
*A125	2	#16	STR	12920	40
*A126	2	#16	STR	13120	41
*A127	4	#16	STR	13340	83
*A128	2	#16	STR	13560	42
*A129	2	#16	STR	13260	41
*A130	2	#16	STR	12940	40
*A131	2	#16	STR	12640	39
*A132	2	#16	STR	12340	38
*A133	2	#16	STR	12040	37
*A134	2	#16	STR	11720	36
*A135	2	#16	STR	11420	35
*A136	2	#16	STR	11120	35
*A137	2	#16	STR	10820	34

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A138	2	#16	STR	10500	33
*A139	2	#16	STR	10200	32
*A140	2	#16	STR	9900	31
*A141	2	#16	STR	9600	30
*A142	2	#16	STR	9280	29
*A143	2	#16	STR	8980	28
*A144	2	#16	STR	8680	27
*A145	2	#16	STR	8380	26
*A146	2	#16	STR	8060	25
*A147	2	#16	STR	7760	24
*A148	2	#16	STR	7460	23
*A149	2	#16	STR	7160	22
*A150	2	#16	STR	6840	21
*A151	2	#16	STR	6540	20
*A152	2	#16	STR	6240	19
*A153	2	#16	STR	5940	18
*A154	2	#16	STR	5620	17
*A155	2	#16	STR	5320	17
*A156	2	#16	STR	5020	16
*A157	2	#16	STR	4720	15
*A158	2	#16	STR	4400	14
*A159	2	#16	STR	4100	13
*A160	2	#16	STR	3800	12
*A161	2	#16	STR	3500	11
*A162	2	#16	STR	3180	10
*A163	2	#16	STR	2880	9
*A164	2	#16	STR	2580	8
*A165	2	#16	STR	2280	7
*A166	2	#16	STR	1960	6
*A167	2	#16	STR	1660	5
*A168	2	#16	STR	1360	4
*A169	2	#16	STR	1060	3
*A170	2	#16	STR	740	2
*A171	2	#16	STR	600	2
A201	2	#13	STR	680	1
A202	2	#13	STR	1200	2
A203	2	#13	STR	1720	3

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A204	2	#13	STR	2220	4
A205	2	#13	STR	2740	5
A206	2	#13	STR	3260	6
A207	2	#13	STR	3780	8
A208	2	#13	STR	4300	9
A209	2	#13	STR	4820	10
A210	2	#13	STR	5340	11
A211	2	#13	STR	5860	12
A212	2	#13	STR	6380	13
A213	2	#13	STR	6900	14
A214	2	#13	STR	7420	15
A215	2	#13	STR	7940	16
A216	2	#13	STR	8460	17
A217	2	#13	STR	8980	18
A218	4	#13	STR	5020	20
A219	4	#13	STR	5280	21
A220	4	#13	STR	5540	22
A221	4	#13	STR	5800	23
A222	4	#13	STR	6060	24
A223	4	#13	STR	6320	25
A224	4	#13	STR	6580	26
A225	4	#13	STR	6740	27
A226	4	#13	STR	6840	27
A227	8	#13	STR	6940	55
A228	4	#13	STR	7060	28
A229	4	#13	STR	6900	27
A230	4	#13	STR	6740	27
A231	4	#13	STR	6600	26
A232	4	#13	STR	6440	26
A233	4	#13	STR	6300	25
A234	4	#13	STR	6140	24
A235	4	#13	STR	5980	24
A236	4	#13	STR	5840	23
A237	4	#13	STR	5680	23
A238	4	#13	STR	5520	22
A239	4	#13	STR	5380	21
A240	4	#13	STR	5220	21
A241	4	#13	STR	5080	20
A242	4	#13	STR	4920	20
A243	2	#13	STR	8980	18
A244	2	#13	STR	8680	17
A245	2	#13	STR	8380	17
A246	2	#13	STR	8060	16
A247	2	#13	STR	7760	15
A248	2	#13	STR	7460	15
A249	2	#13	STR	7160	14
A250	2	#13	STR	6840	14

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A251	2	#13	STR	6540	13
A252	2	#13	STR	6240	12
A253	2	#13	STR	5940	12
A254	2	#13	STR	5620	11
A255	2	#13	STR	5320	11
A256	2	#13	STR	5020	10
A257	2	#13	STR	4720	9
A258	2	#13	STR	4400	9
A259	2	#13	STR	4100	8
A260	2	#13	STR	3800	8
A261	2	#13	STR	3500	7
A262	2	#13	STR	3180	6
A263	2	#13	STR	2880	6
A264	2	#13	STR	2580	5
A265	2	#13	STR	2280	5
A266	2	#13	STR	1960	4
A267	2	#13	STR	1660	3
A268	2	#13	STR	1360	3
A269	2	#13	STR	1060	2
A270	2	#13	STR	740	1
A271	2	#13	STR	600	1
*B101	6	#19	STR	7360	99
*B102	6	#19	STR	7720	104
*B103	6	#19	STR	8100	109
*B104	6	#19	STR	8460	113
*B105	6	#19	STR	8820	118
*B106	6	#19	STR	9200	123
*B107	6	#19	STR	9560	128
*B108	6	#19	STR	9920	133
*B109	6	#19	STR	10280	138
*B110	6	#19	STR	10660	143
*B111	6	#19	STR	11020	148
*B112	6	#19	STR	11380	153
*B113	6	#19	STR	11760	158
*B114	6	#19	STR	12120	163
*B115	6	#19	STR	12480	167
*B116	6	#19	STR	12840	172
*B117	6	#19	STR	13220	177
B201	6	#25	STR	7540	180
B202	6	#25	STR	7900	188
B203	6	#25	STR	8260	197
B204	6	#25	STR	8640	206
B205	6	#25	STR	9000	215
B206	6	#25	STR	9360	223
B207	6	#25	STR	9740	232

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B208	6	#25	STR	10100	241
B209	6	#25	STR	10460	249
B210	6	#25	STR	10820	258
B211	6	#25	STR	11200	267
B212	6	#25	STR	11560	276
B213	6	#25	STR	11920	284
B214	6	#25	STR	12280	293
B215	6	#25	STR	12660	302
B216	6	#25	STR	13020	310
B217	6	#25	STR	13380	319
*B3	7	#16	STR	5120	56
*B4	7	#16	STR	4920	53
*B5	1	#16	3	3820	6
*B6	1	#16	3	3060	5
*G1	2	#16	STR	11140	35
*G2	1	#16	STR	17520	27
*G3	8	#16	STR	1000	12
*S1	76	#16	STR	980	116
*S2	42	#16	1	1220	80
*S3	29	#16	2	680	31

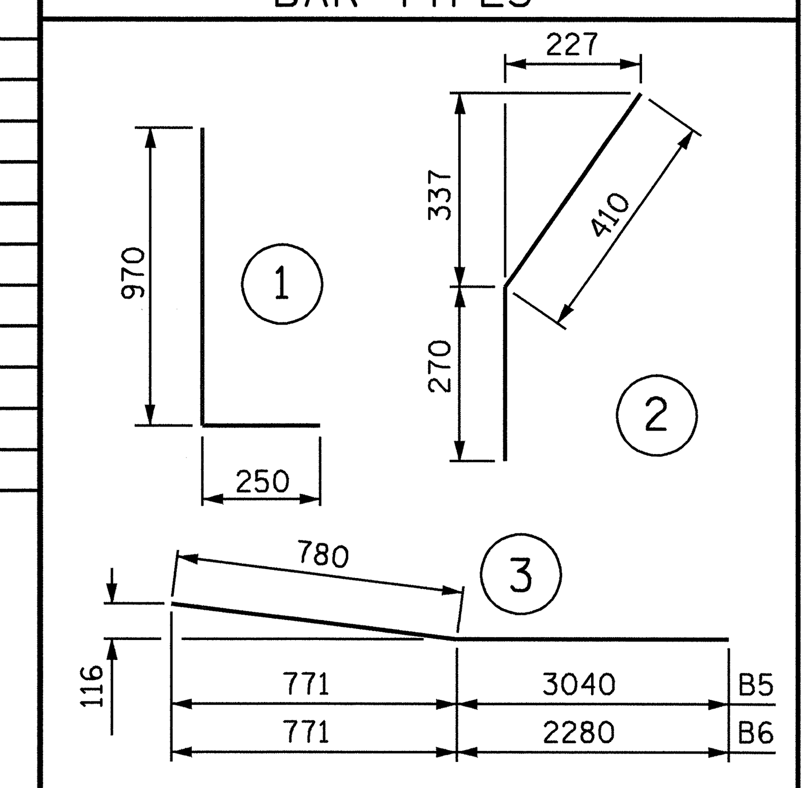
REINFORCING STEEL = 5303 KG
* EPOXY COATED REINF. STEEL = 4382 KG

CLASS AA CONCRETE BREAKDOWN

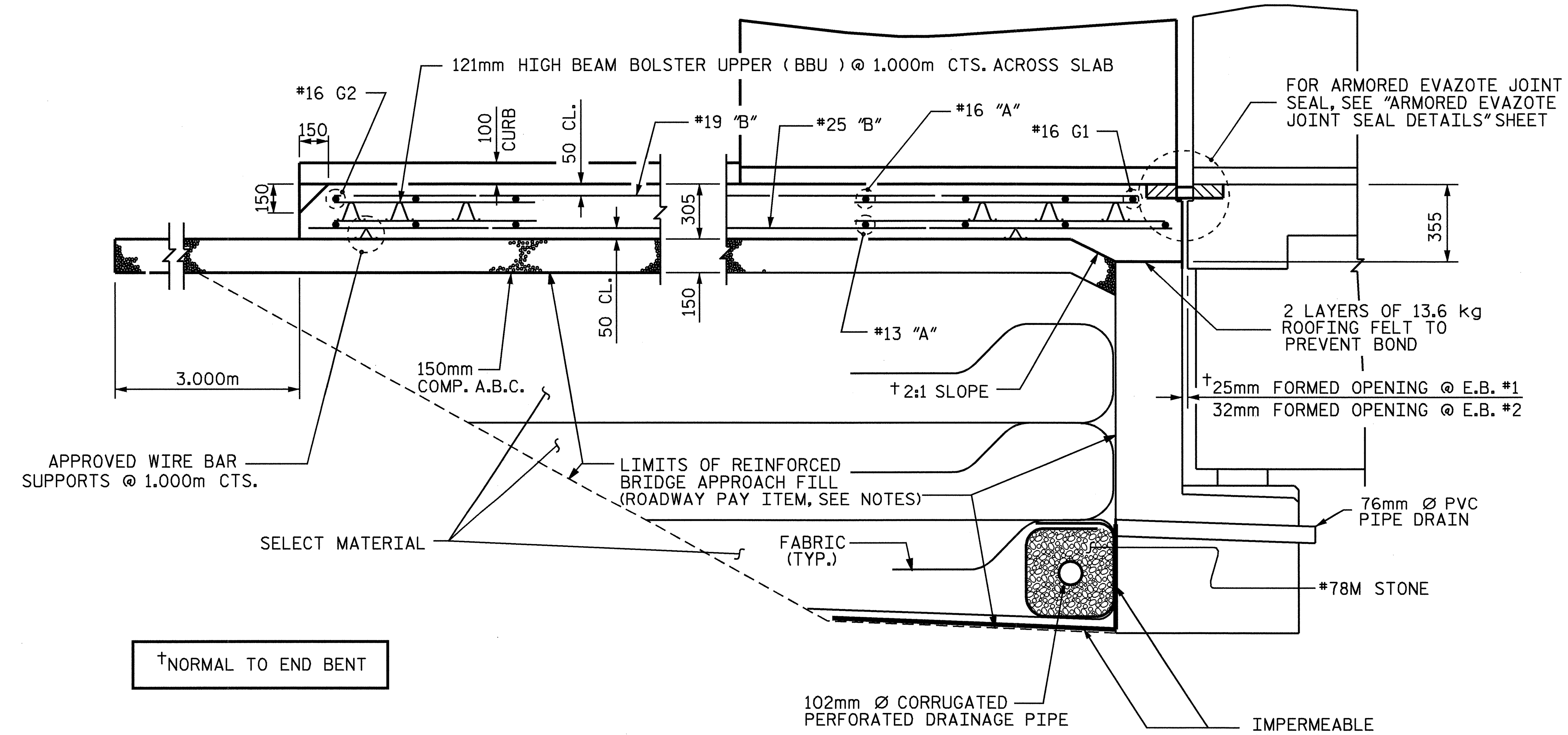
POUR 1 SLAB C.M. 50.4
POUR 2 RAIL & CURB C.M. 2.4

CLASS AA CONCRETE C.M. 52.8

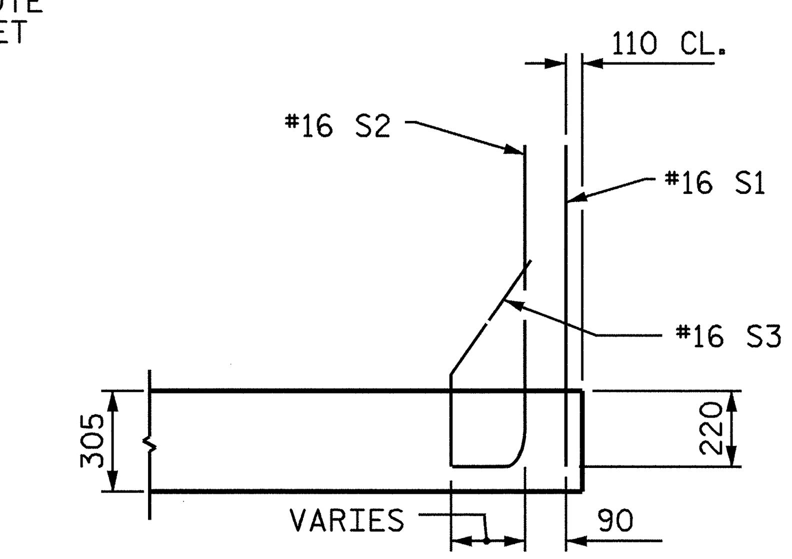
BAR TYPES



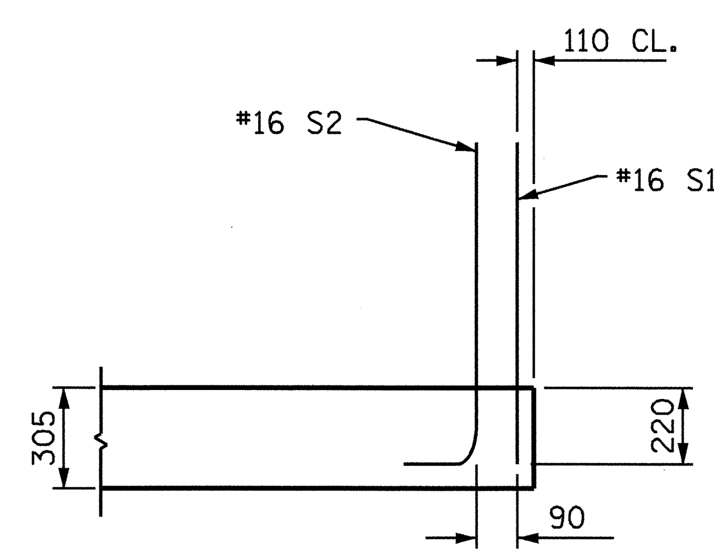
ALL BAR DIMENSIONS ARE OUT TO OUT



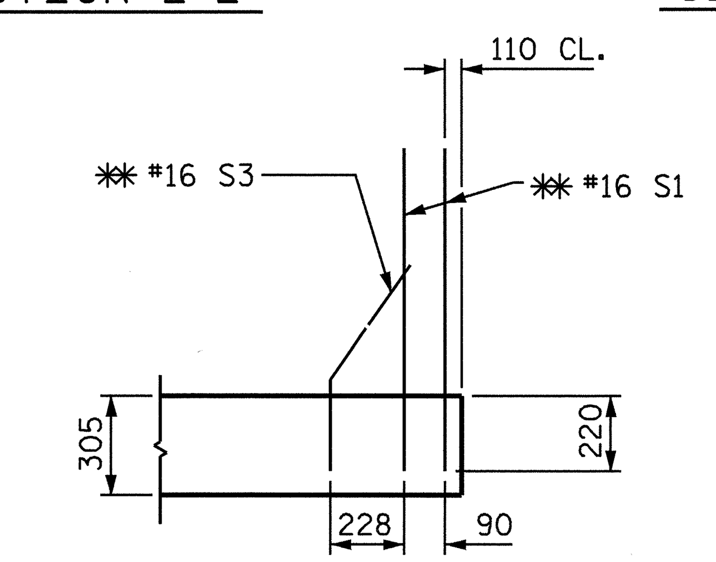
SECTION THRU SLAB



SECTION L-L



SECTION M-M



SECTION K-K
** ADHESIVELY ANCHORED

PROJECT NO. R-513BA
ROBESON COUNTY
STATION: 113+73.429 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB WITH BARRIER RAIL

NORTH CAROLINA PROFESSIONAL SEAL 21545 ENGINEER STEVEN L. WANCE

Steven L. Wance
08/20/04

ASSEMBLED BY : W.K. FISCHER DATE : 3/26/04
CHECKED BY : S. WANCE DATE : 5/12/04

DRAWN BY : RWW 8/01
CHECKED BY : LES 8/01

ADDED 12/01
REV. 5/7/03 RWW/JTE

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

SHEET NO. S-92
TOTAL SHEETS 172

STR #1 REV. STD. NO. BAS5SM