

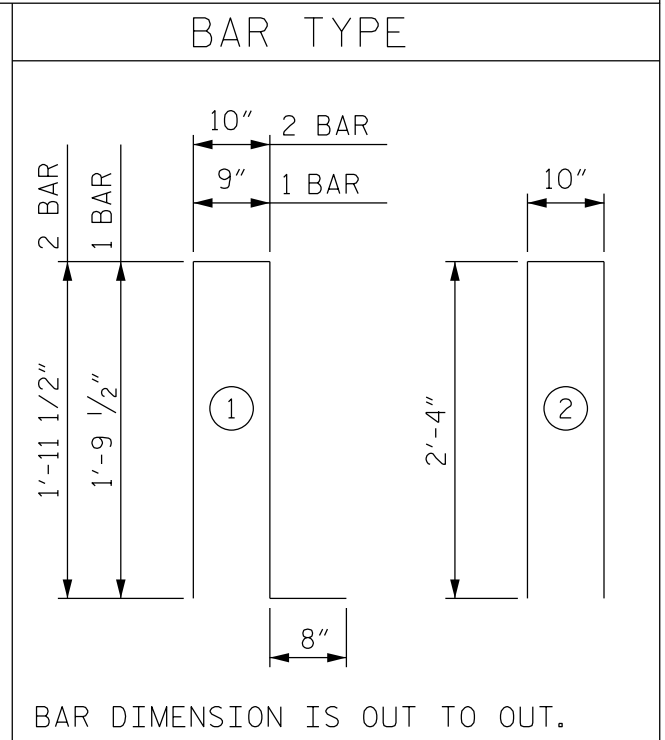
ONE BAR METAL RAIL						TWO BAR METAL RAIL					
BILL OF MATERIAL FOR PARAPET AND TWO END POSTS						BILL OF MATERIAL FOR PARAPET AND TWO END POSTS					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1		#5	STR			*B1		#5	STR		
*E1	20	#7	STR	2'-7"	106	*E1	4	#7	STR	2'-6"	20
						*E2	4	#7	STR	3'-0"	25
						*E3	4	#7	STR	3'-6"	29
*F1	4	#6	STR			*E4	4	#7	STR	4'-0"	33
*F2	4	#6	STR			*E5	4	#7	STR	4'-4"	35
*S1		#5	1	5'-0"		*F1	4	#6	STR		
*S2	16	#5	STR	2'-0"	33	*F2	2	#6	STR		
*EPOXY COATED REINFORCING STEEL LBS.						*F3	2	#6	STR		
CLASS "AA" CONCRETE C.Y.						*F4	2	#6	STR		
CONCRETE PARAPET L.F.						*F5	2	#6	STR		
						*S1		#5	1	5'-5"	
						*S2		#5	2	5'-6"	
						*S3	16	#5	STR	3'-0"	50
						*EPOXY COATED REINFORCING STEEL LBS.					
						CLASS "AA" CONCRETE C.Y.					
						CONCRETE PARAPET L.F.					

NOTES ON THE PLANS:

THE #5 S3 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

NOTES TO THE DETAILER:

- (A) SHOW GUARDRAIL ANCHOR ASSEMBLY ON THE PLANS ONLY WHERE THE STRUCTURE HAS GUARDRAIL ATTACHMENTS.
- (B) SKETCHES SHOWN IN FIGURES 6-33 AND 6-34 ARE FOR SKEWS GREATER THAN 90°. FOR STRUCTURES WITH SKEWS 90° OR LESS, THESE SKETCHES (PLAN, ELEVATION, AND END VIEWS) WILL NEED TO BE MODIFIED.
- (C) FOR HEAVY SKEWS, ADDITIONAL VERTICAL BARS MAY BE NEEDED TO REINFORCE LONG CORNER.



PARAPET AND END POST FOR
ONE OR TWO BAR METAL RAIL

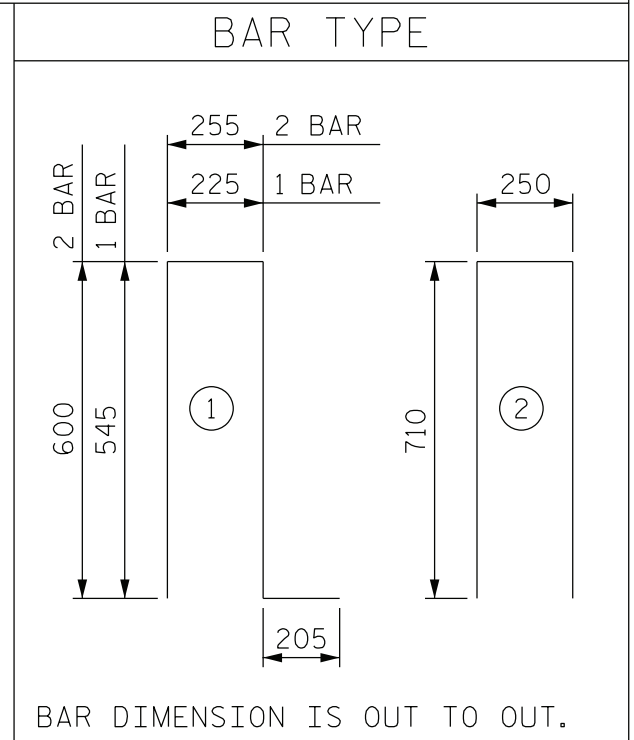
ONE BAR METAL RAIL						TWO BAR METAL RAIL					
BILL OF MATERIAL FOR PARAPET AND TWO END POSTS						BILL OF MATERIAL FOR PARAPET AND TWO END POSTS					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1		#16	STR			*B1		#16	STR		
*E1	20	#22	STR	780	47	*E1	4	#22	STR	780	9
						*E2	4	#22	STR	920	11
						*E3	4	#22	STR	1060	13
*F1	4	#19	STR			*E4	4	#22	STR	1220	15
*F2	4	#19	STR			*E5	4	#22	STR	1320	16
*S1		#16	1	1520		*F1	4	#19	STR		
*S2	16	#16	STR	620	15	*F2	2	#19	STR		
*EPOXY COATED REINFORCING STEEL KG.						*F3	2	#19	STR		
						*F4	2	#19	STR		
						*F5	2	#19	STR		
CLASS "AA" CONCRETE m ³											
						*S1		#16	1	1660	
CONCRETE PARAPET METER						*S2		#16	2	1670	
						*S3	16	#16	STR	920	23
						*EPOXY COATED REINFORCING STEEL KG.					
						CLASS "AA" CONCRETE m ³					
						CONCRETE PARAPET METER					

NOTES ON THE PLANS:

THE #16 S3 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #16 S3 BARS IS 82.7 kN. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

NOTES TO THE DETAILER:

- (A) SHOW GUARDRAIL ANCHOR ASSEMBLY ON THE PLANS ONLY WHERE THE STRUCTURE HAS GUARDRAIL ATTACHMENTS.
- (B) SKETCHES SHOWN IN FIGURES 6-33 AND 6-34 ARE FOR SKEWS GREATER THAN 90°. FOR STRUCTURES WITH SKEWS 90° OR LESS, THESE SKETCHES (PLAN, ELEVATION, AND END VIEWS) WILL NEED TO BE MODIFIED.
- (C) FOR HEAVY SKEWS, ADDITIONAL VERTICAL BARS MAY BE NEEDED TO REINFORCE LONG CORNER.



PARAPET AND END POST FOR
ONE OR TWO BAR METAL RAIL

FIGURE 6 - 35 M