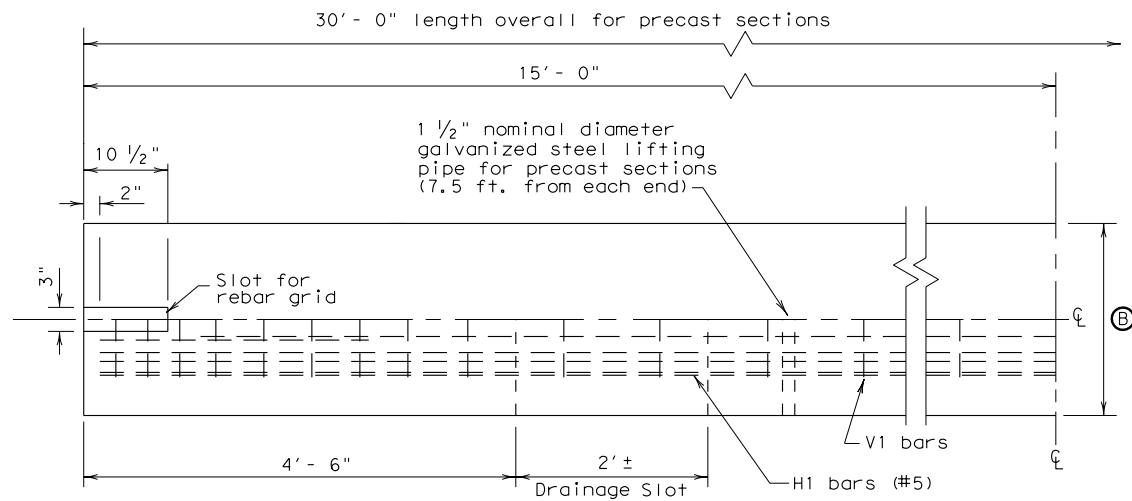
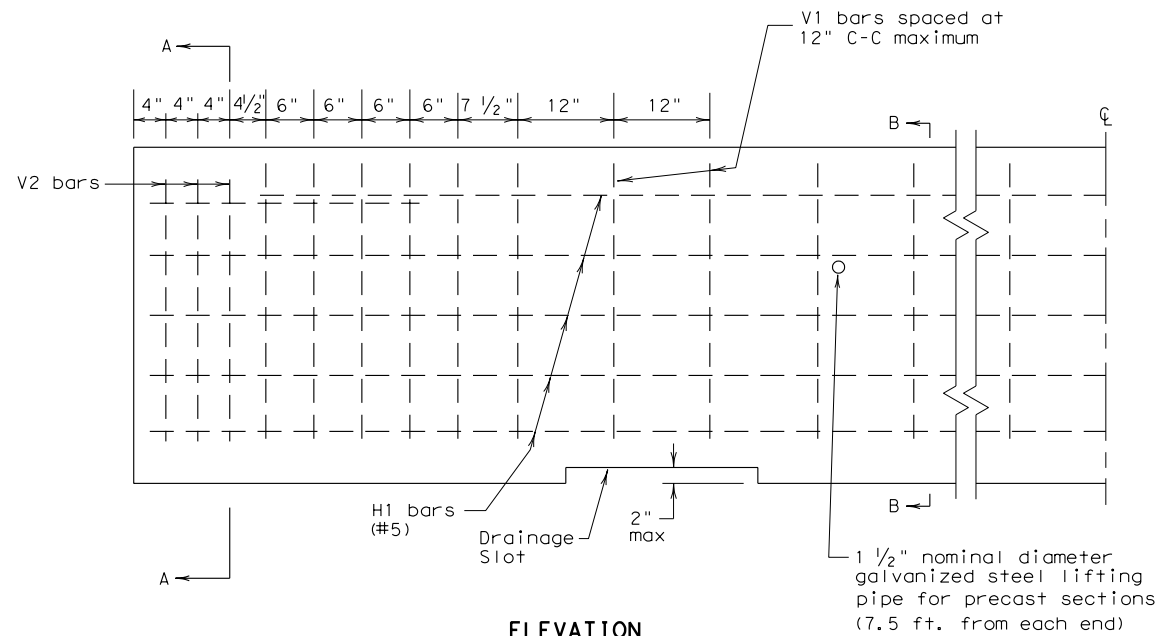


**GENERAL NOTES**

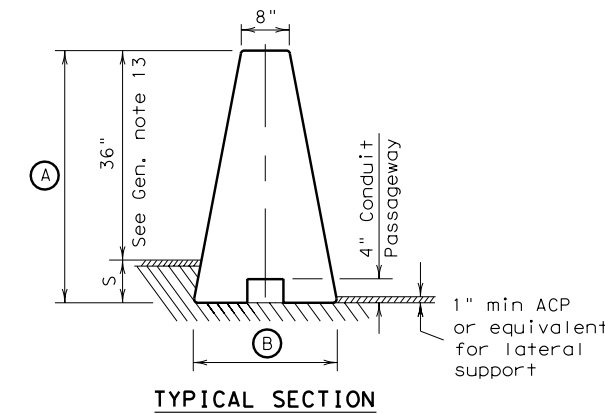
1. Precast barrier length shall be 30 feet (±1") unless otherwise specified in the plans. Cast-in-place or slip-formed barrier shall have an intermediate barrier joint at a maximum spacing of 100 feet unless otherwise directed by the Engineer. Refer to the intermediate barrier joint detail. Cast-in-place or slip-formed barrier will have the vertical V1 bars placed at 12" C-C maximum except near joints. The narrower vertical bar spacing at the ends of each barrier segment, as shown in the elevation view, will be required at the joints. The V2 bars shown in the elevation view will be replaced by V1 bars for cast-in-place or slip-form construction.
2. The usual temporary installation will require the placement of the rebar grid in the ungrouted slot. The usual permanent installation using precast barrier will connect the barrier segments with the rebar grid placed in the slot and grouted in place.
3. When installed in a permanent roadway location, the end connections of the precast barrier shall be grouted with a mixture of two parts sand and one part cement with enough water to make the mixture plastic. Grouting shall be done in a manner that will assure a smooth surface at the joint.
4. All concrete shall be class C or H, unless otherwise specified.
5. All reinforcing steel shall be Grade 60, unless otherwise specified.
6. Each precast barrier to be installed in a temporary location shall be delivered with a rebar grid.
7. Chamfer top and end edges 3/4 inch.
8. Unless otherwise shown in the plans, the Contractor has the option of placing either precast or cast-in-place permanent concrete barrier. Cast-in-place barrier may be slip-formed. Additional reinforcement may be tack welded to the upper two-thirds of the reinforcing cage to provide bracing. Lifting pipe, rebar grid and slot shall be omitted for cast-in-place or slip-form construction.
9. Bar splices for roadway barrier shall be a minimum of 24 times the nominal diameter of the bar.
10. Welded wire fabric may be used as an option to conventional reinforcement for precast or cast-in-place barrier. Welded wire fabric shall be made in accordance with ASTM A 497.
11. Conduit will be provided only when called for elsewhere in the plans. The position of the conduit or conduit passageway may be adjusted to facilitate construction, subject to approval of the Engineer.
12. Transitions to barrier height, as needed, shall be determined by the Engineer. Changes in barrier height should not normally exceed 2 inches per 30 foot. Vertical steel shall be uniformly transitioned throughout the variation in barrier height as directed by the Engineer.
13. A 36 inch minimum height differential between top of barrier and top of ACP shall be required at placement in order to allow for up to 6 inches of future overlays while maintaining a 30 inch minimum future effective height of barrier. Total minimal barrier height for design is therefore dictated by allowance for future overlays plus existing stairstep dimension "S". Minimums typically rounded to 42", 48" or 54" to facilitate precasting.



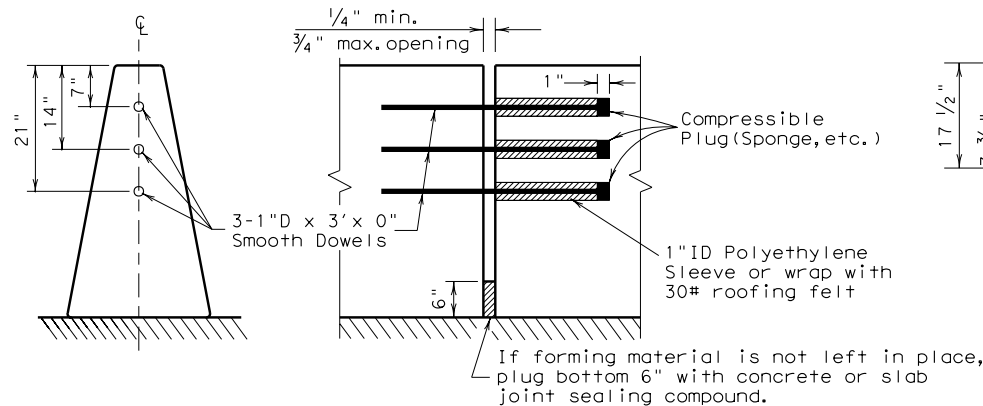
**PLAN VIEW**  
(SYMMETRICAL ABOUT CENTER LINE)



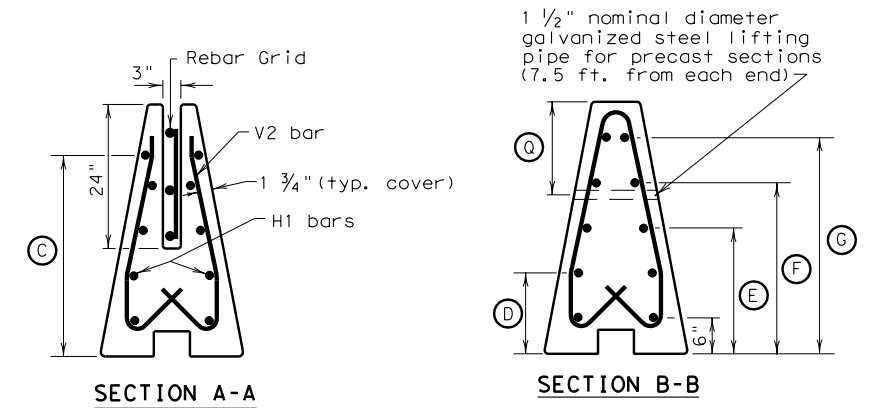
**ELEVATION**  
(SYMMETRICAL ABOUT CENTERLINE)



**TYPICAL SECTION**

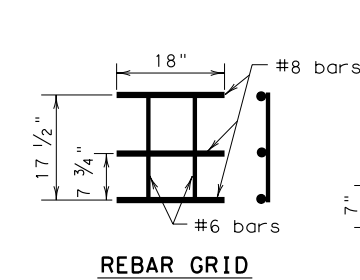


**INTERMEDIATE BARRIER JOINT DETAIL** (cast-in-place or slip-formed sections)

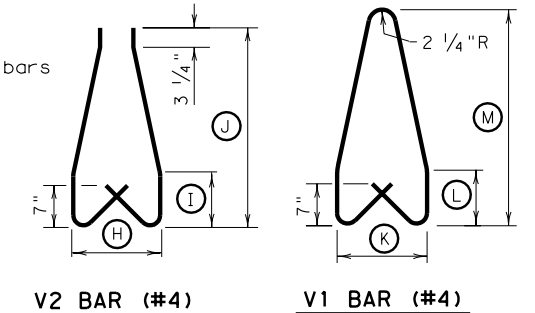


**SECTION A-A**

**SECTION B-B**



**REBAR GRID**

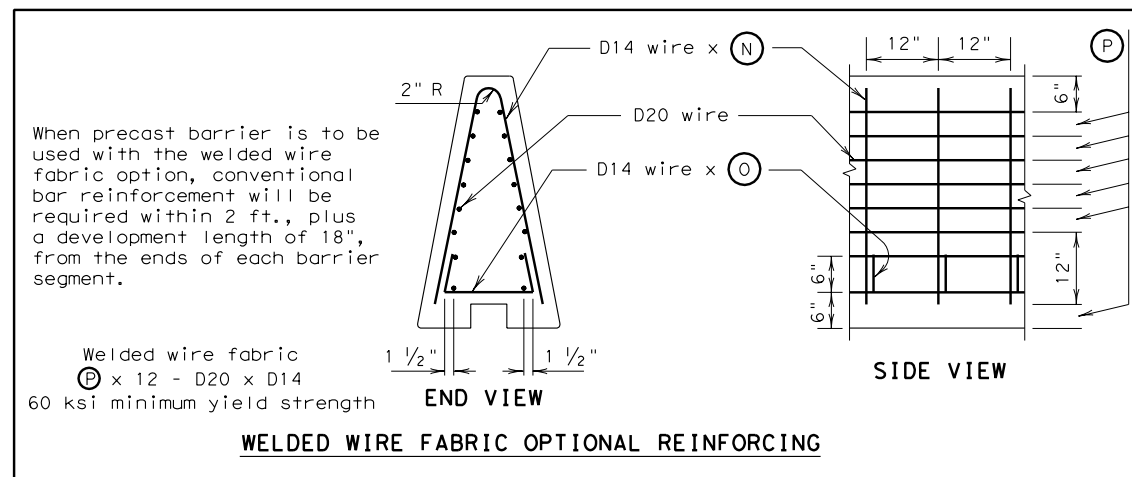


**V2 BAR (#4)**

**V1 BAR (#4)**

**REINFORCING DETAILS**

R = Radius  
D = Diameter



**WELDED WIRE FABRIC OPTIONAL REINFORCING**

Barrier Height	DIMENSIONS (inches)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
42	24	33 1/2	13 1/2	21	28 1/2	36	15	9 1/4	33 1/4	15	9 1/4	36	72	28	4	15 1/2
48	26 3/32	39 1/2	15	24	33	42	17 1/4	10 3/4	39 1/4	17 1/4	10 3/4	42	84	31 1/2	5	17
54	28 3/16	45 1/2	16 1/2	27	37 1/2	48	19 1/2	12 1/4	45 1/4	19 1/2	12 1/4	48	96	34 3/4	6	18 1/2

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LEVELS DISPLAYED

**Texas Department of Transportation**  
 Design Division (Roadway)

**SINGLE SLOPE**  
**CONCRETE BARRIER**  
**TYPE 2**  
**SSCB (2) - 00A**

FILE: sscb200a.dgn	DN: GTH	CK: GTH	DW: BGD	CK: TGM
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