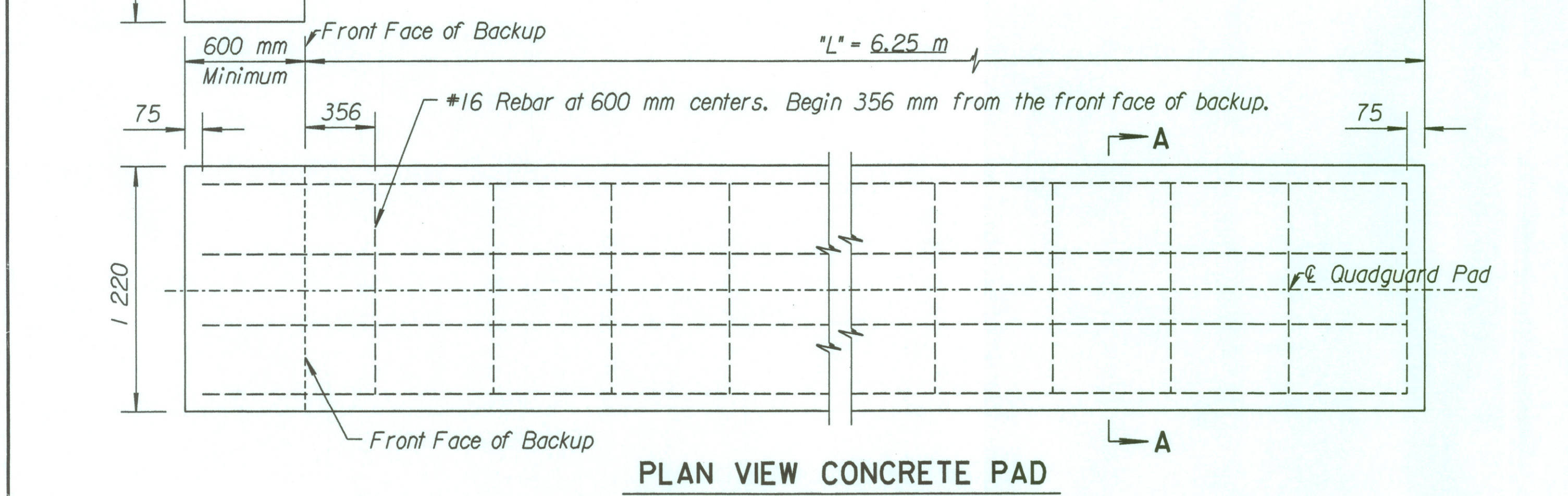
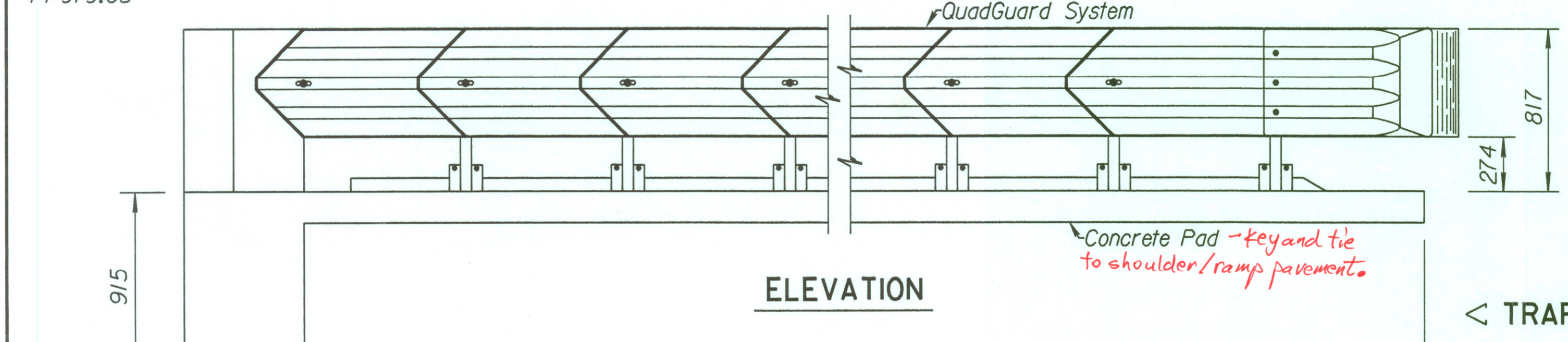
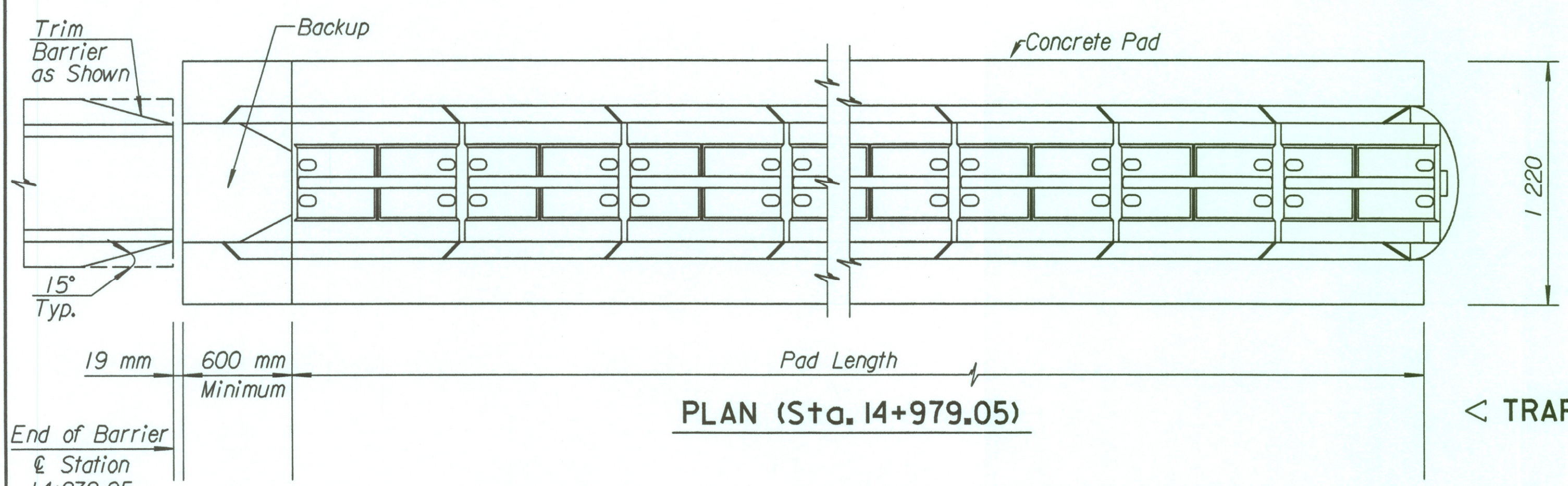
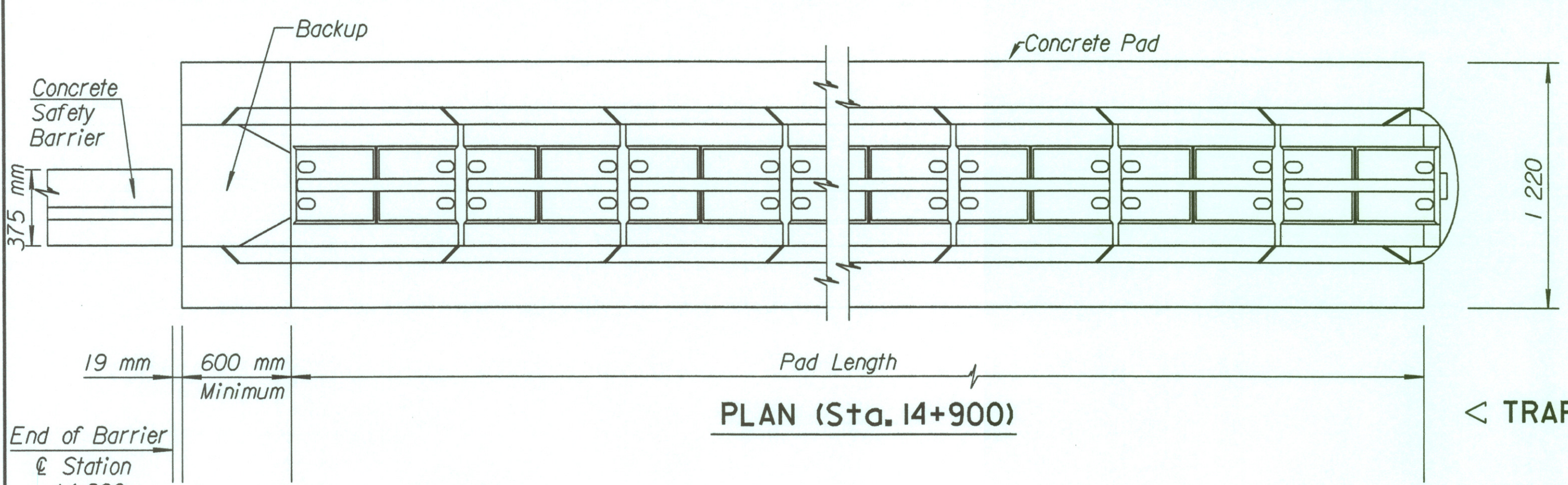
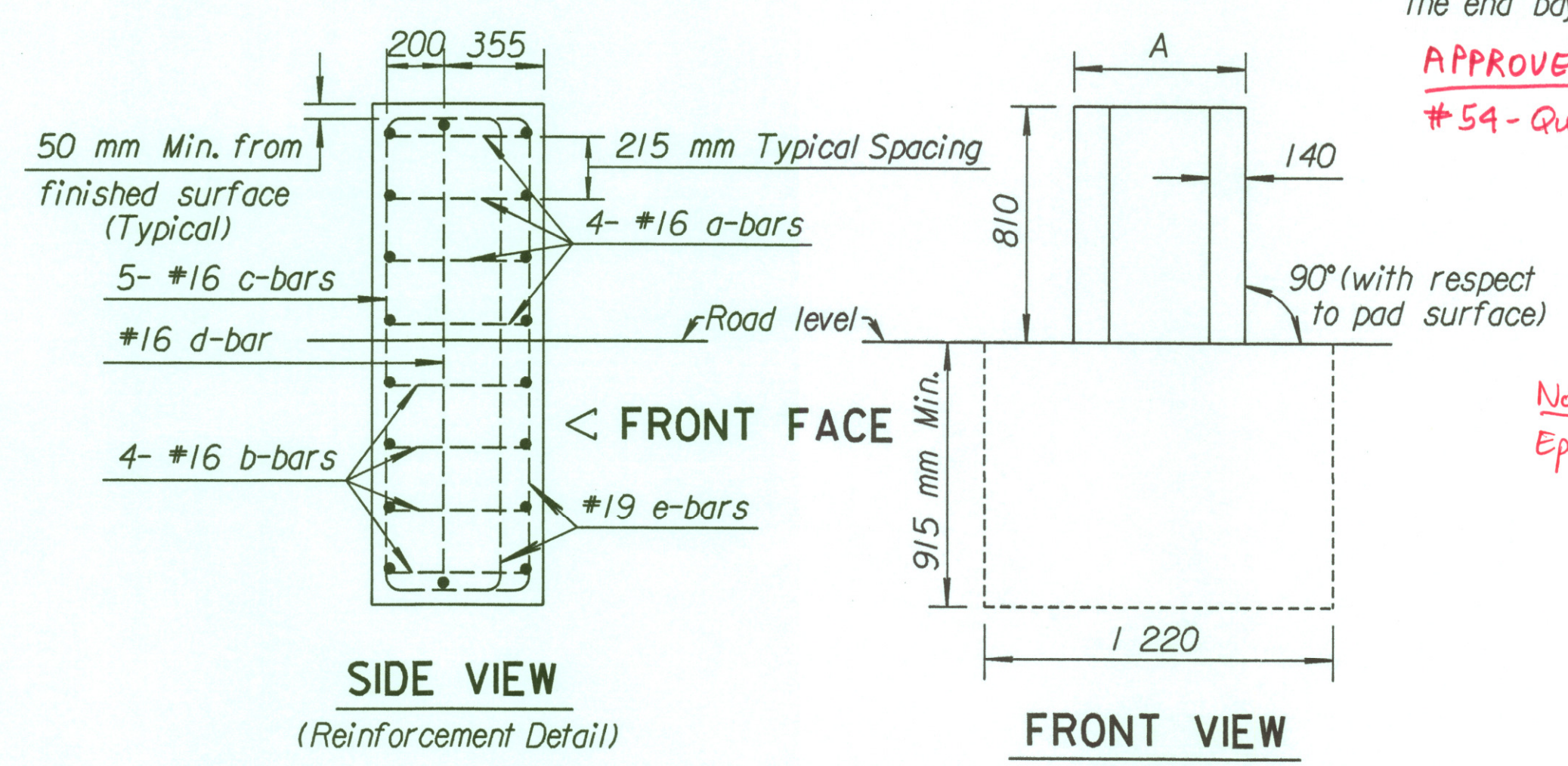
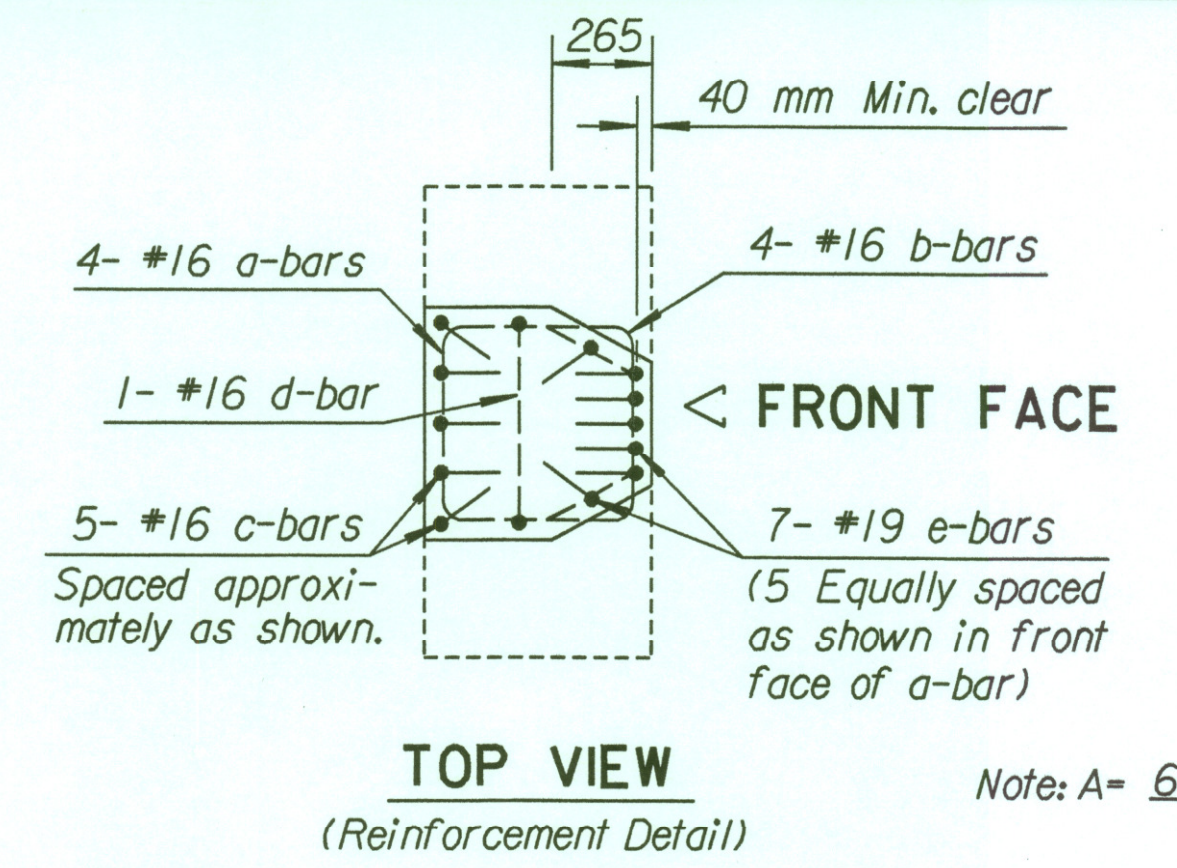


FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-6657-01	2002	235	1122

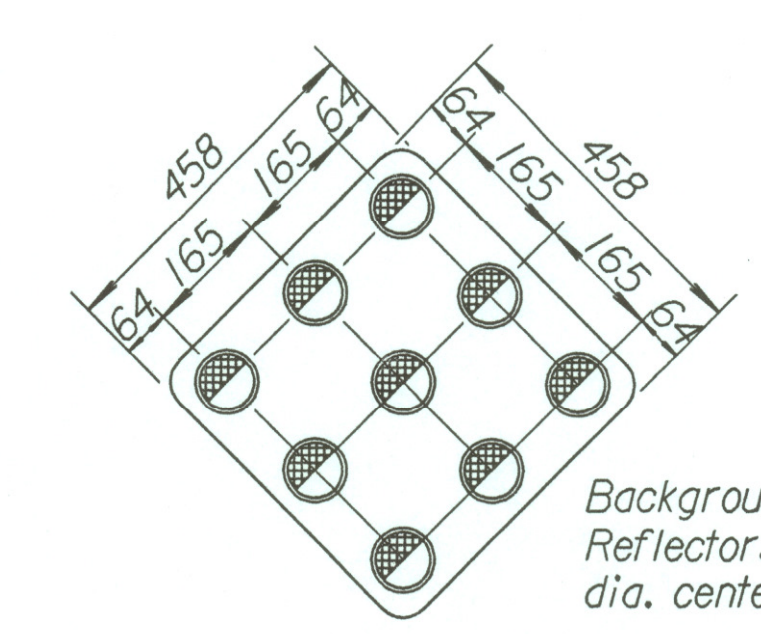
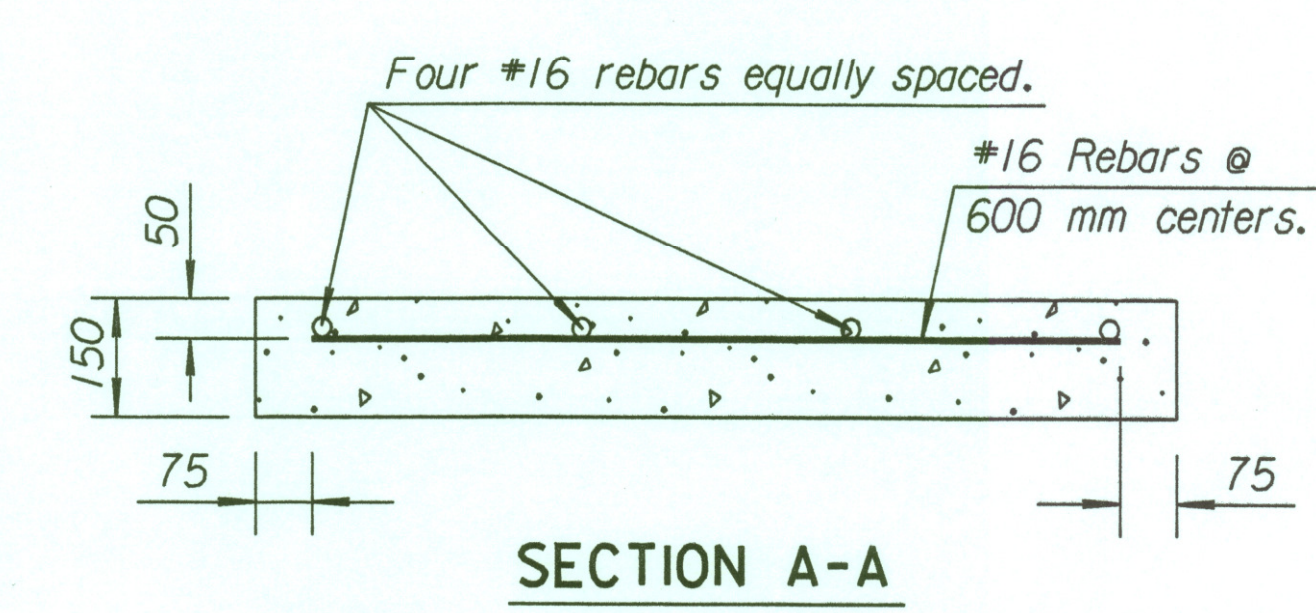
Note to the Designer: The designer shall be responsible for designating dimensions by: SVB "A" and "L" and the QuadGuard model number.  
 DSNR: 1-1997/97362/STANDARDS/R06375I.DGN 1-14-2002 14:14:57 LAST REV: 1-22-2002  
 OPER: SVB SCALE:



Note: Cross slope of pad shall not exceed 8% and not vary more than 2% from front to back. Pad and Backup Block should be tied together & poured monolithically. Concrete for pad and backup block shall have a minimum compressive strength of 28 MPa.

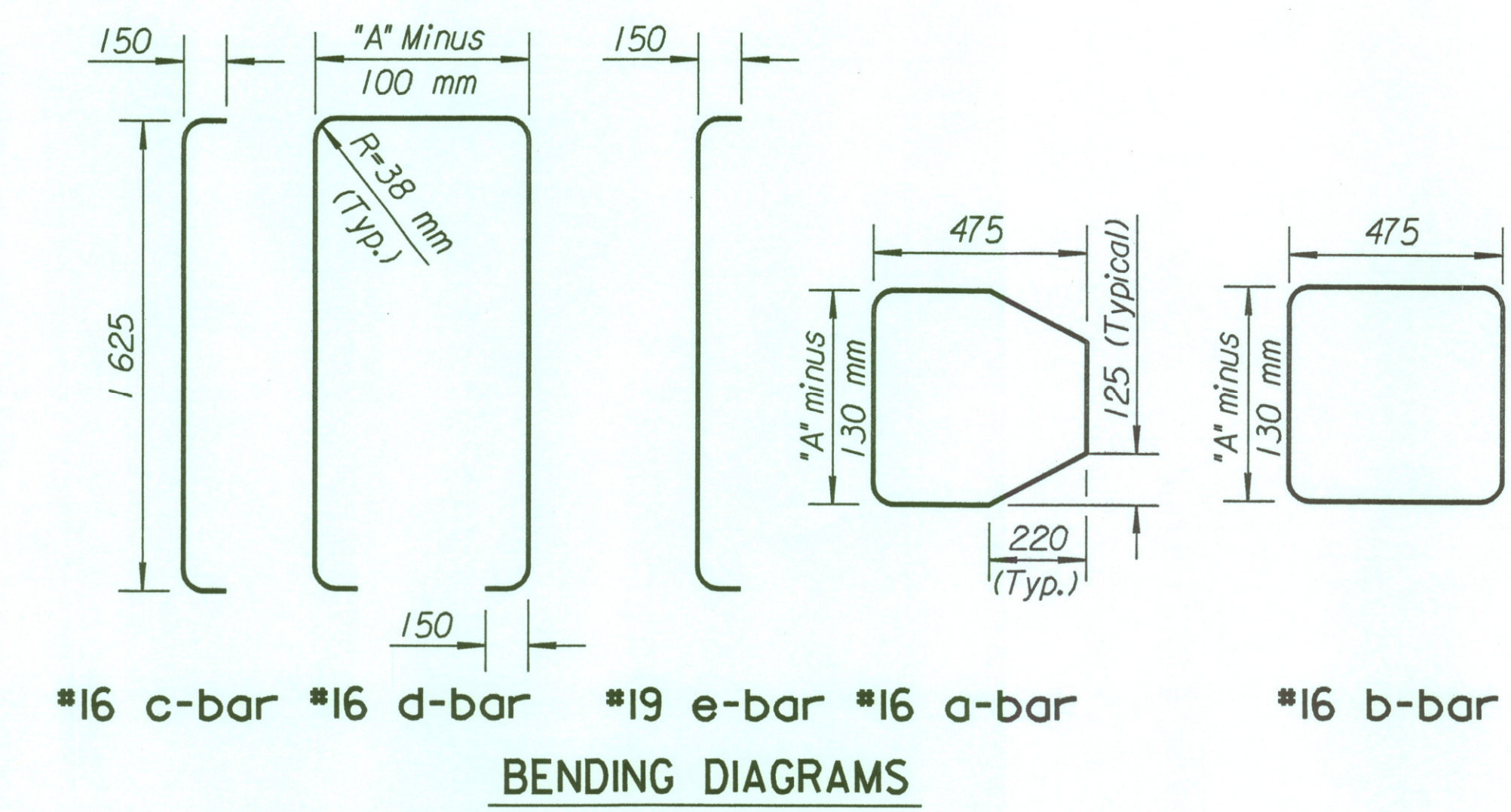


**CONCRETE BACKUP DETAILS**



Background - Yellow (Refl.)  
Reflectors - Yellow (83 mm dia. center mounted).

**TYPE I OBJECT MARKER**  
Aluminum Sign Blanks shall be ASTM B-209 (H), Alloy 6061-T6, 5154-H38, or 5052-H38. All holes shall be 10mm in diameter. The 83 mm diameter yellow button delineator shall comply with the Standard Specifications. The type of adhesive used for reflective sheeting shall be heat activated or pressure sensitive. Sign face shall be covered with regular performance reflective sheeting.



All dimensions are out-to-out on bars unless otherwise noted.

**GENERAL NOTE**  
The QuadGuard System shall consist of the following items which shall be considered Subsidiary.  
QuadGuard Model Number QS2406Y.  
Conc. Backup Wall Assembly  
Conc. Slab for Assembly  
Any Equipment necessary to meet the Manufacturer's requirements for a complete and functioning system.  
The Contractor shall refer to Special Provisions for additional details.  
A Type I Object Marker shall be attached at the approach end of the system. The Object Marker shall be bolted or riveted to the end bay.

**APPROVED SUBMITTAL:**  
#54-Quadguard System-QS2404, QS2406 & QS2408.

**Note:**  
Epoxy rebar requested on 2-5-03, for Concrete Backup.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

**IMPACT ATTENUATOR  
QUADGUARD SYSTEM**

**RD6375I**

DESIGNED	2-12-01	APP'D.	James O. Brewer
DESIGN CK.	DETAIL CK.	QUANTITIES	TRACED Bowser
		QUAN. CK.	TRACE CK. Seltz