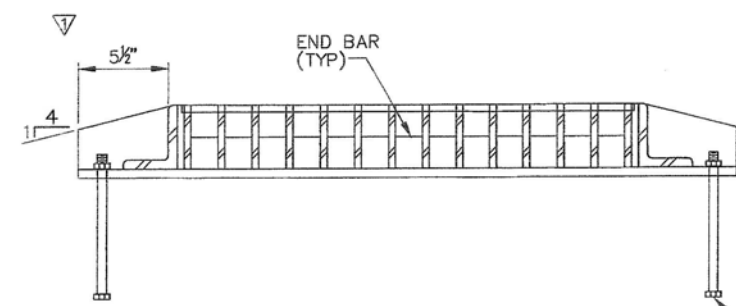
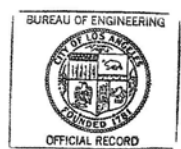


PLAN

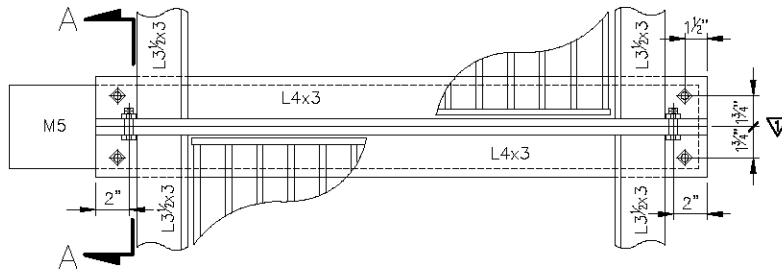


SECTION C-C

SECTION D-D

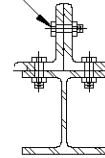


BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS			CITY OF LOS ANGELES		
FRAME AND GRATING FOR CATCH BASINS (BICYCLE SAFE)				STANDARD PLAN S-342-4			
SUBMITTED 10/30 2008 <i>Jeana Durr</i> ENGINEER OF DESIGN <i>Michael E. Kears</i> DEPUTY CITY ENGINEER			REVISIONS			SUPERSEDES B-3970	REFERENCES
APPROVED 11/5 2008 <i>Gary Lee Moore</i> CITY ENGINEER			NO. DATE DESCRIPTION ENGR. OF DESIGN CITY ENGR.	B-4611		VAULT INDEX NUMBER B- SHEET 1 OF 2 SHEETS	
DESIGNED BY	DRAWN BY	CHECKED BY					
P.H.L.	R.H.L.	F.S.P.					

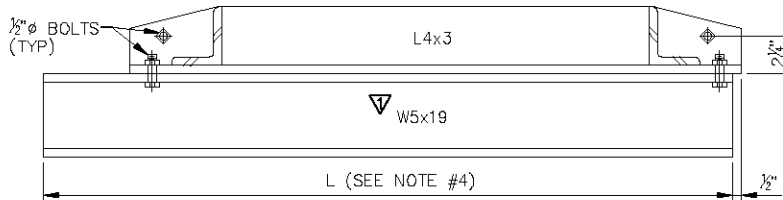


PARTIAL PLAN

▽ 1/2" Ø ASTM A325
SLIP CRITICAL BOLT
WITH HEX NUT (TYP).



SECTION A-A



ELEVATION
CENTER SUPPORT ASSEMBLY

NOTES:

- ▽ 1. UNLESS SPECIFIED OTHERWISE, ALL METAL PARTS SHOWN HEREON SHALL BE ASTM A36 STEEL CONFORMING TO SECTION 206-1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC). ALL BOLTS SHALL BE ASTM A325 SLIP CRITICAL BOLT WITH HEX NUT.
2. ALL METAL PARTS (INCLUDE NUTS & BOLTS) SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH SECTION 210-3 OF THE SSPWC AFTER FABRICATION.
3. 3/8" Ø CROSS BARS MAY BE FILLET WELDED, RESISTANCE WELDED OR ELECTROFORGED TO THE BEARING BARS.
4. L = 36 INCHES FOR CURBSIDE GRATING BASINS AND ALLEY GRADING BASINS.
L = 45 INCHES FOR COMBINATION CATCH BASINS.
L = 64 INCHES FOR CURB OPENING CATCH BASINS WITH GRATING AND DEBRIS SKIMMER.
5. FRAME AND GRATING SHALL BE INSTALLED WITH LOGITUDINAL BEARING BARS ALIGNED WITH THE DIRECTION OF THE GUTTER FLOW.