

NOTES:

1. ALL PARTS SHALL BE STEEL, EXCEPT THAT END SPACERS MAY BE CAST IRON.
2. ALL PARTS SHALL BE GALVANIZED AFTER FABRICATION, EXCEPT THAT GRATINGS SHALL BE ASSEMBLED AFTER COMPONENT PARTS ARE GALVANIZED.
3. ALL DIMENSIONS ARE FINISHED DIMENSIONS AND INCLUDE GALVANIZING.
4. ALL BOLT HOLES SHALL BE 5/8" DIAMETER.
5. ALL THREADS SHALL BE NATIONAL COARSE SERIES (NC).
6. CENTER SUPPORT ASSEMBLY REQUIRED WHEN TWO OR MORE GRATINGS ARE SPECIFIED ON PLANS.

DRAFT

- L = 64 INCHES FOR CURB OPENING CATCH BASIN WITH GRATING(S) AND DEBRIS SKIMMER (STANDARD PLAN D-2).
- L = 44 INCHES FOR CURB OPENING CATCH BASIN WITH GRATING(S) (STANDARD PLAN D-3).
- L = 36 INCHES FOR CURBSIDE GRATING CATCH BASIN (STANDARD PLAN D-4).
- L = 36 INCHES FOR GRATE CATCH BASIN - ALLEY (LONGITUDINAL) (STANDARD PLAN D-5).

7. WIDTH OF SPACERS MAY BE REDUCED AS NECESSARY TO OBTAIN CORRECT OVERALL GRATING WIDTH.
8. GRATES SHALL BE INSTALLED WITH APPROVED SAFETY DEVICES FOR BICYCLES.
9. LOAD REQUIREMENTS

CONTAINER LOADING EQUIPMENT - 100 KIP PLUS 25 KIP IMPACT LOADS
 OTHER - H-20

THE PORT OF LONG BEACH ENGINEERING DIVISION

REVISIONS		FRAME AND GRATING FOR CATCH BASINS	STANDARD PLAN
NO.	DATE		
1			D-13
2			
3			
		APPROVED BY: _____ R.E. NO.: _____ DATE: _____	2 OF 2
		CHIEF HARBOR ENGINEER	