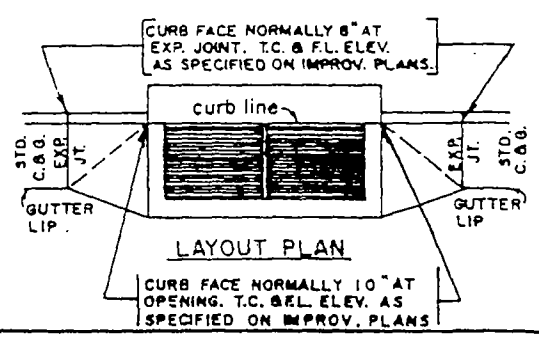


DETAIL OF DOWEL

SEE SHEET 3

STEEL LIST						
No. of gratings	# 4 Def. bars	11" long	8" x 3 1/2" x 16 Galv. Bulb Angle	Dowels	Anchors	3/4" Galv. steel steps
1	5	3-11"	2	2		See notes
2	12	7-4"	2	3		
3	19	10-10"	2	4		



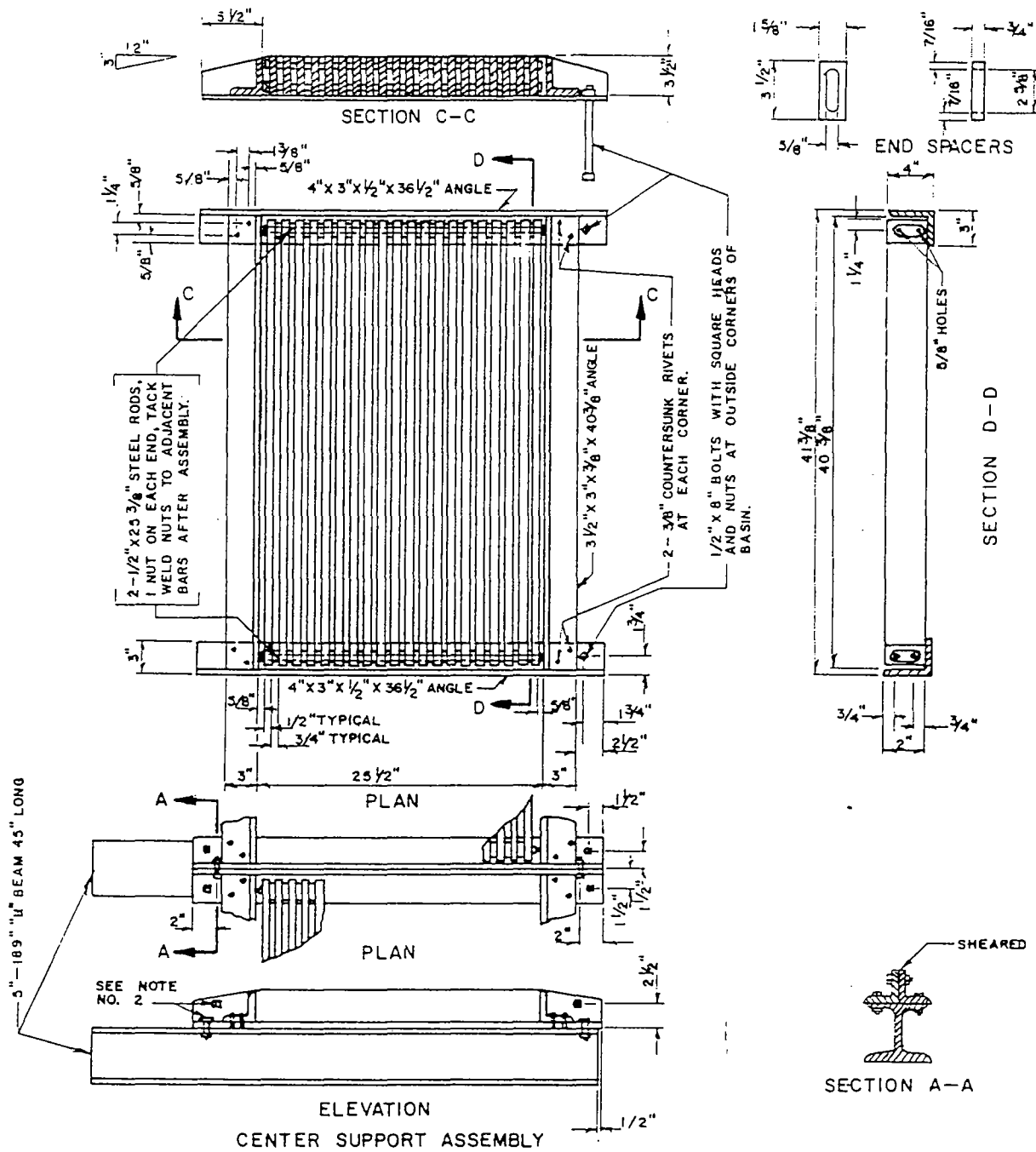
Notes:
1. For Walls And Reinforcing See Sheet 3.

**CITY OF COLTON
PUBLIC WORKS DEPARTMENT**

DROP INLET CATCH BASIN

DRAWN BY	SCALE N.T.S.	DRAWING NO 207
CHK'D	DATE JUNE 29, 1965	1 OF 3
APP'D	<i>Daniel H. Burnett Jr.</i>	

Revisions:	Date	By
2 Sheet No. 2 Redrawn	10-67	MS
1. Added Reinforcing Sheet 1 & 2	10-67	MS



NOTES

1. FRAME AND GRATING PER ALHAMBRA FOUNDRY NO. A-1540 OR EQUAL.
2. CENTER SUPPORT ASSEMBLY SHALL BE USED WHEN TWO OR MORE GRATINGS ARE SPECIFIED.
3. ALL BOLTS USED IN CENTER SUPPORT SHALL BE 1/2"
4. FRAME MAY BE RIVETED OR WELDED.
5. BOLTS SHALL BE USED TO JOIN TWO OR MORE FRAMES TOGETHER AND TO THE "H" BEAM.
6. ALL PARTS SHALL BE OF STRUCTURAL GRADE STEEL, EXCEPT END SPACERS, WHICH MAY BE CAST IRON OR STEEL.
7. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED PRIOR TO ASSEMBLY. WELDING, MACHING, DRILLING SHALL BE DONE BEFORE GALVANIZING. ALL DIMENSIONS ARE FINISHED DIMENSIONS INCLUDING GALVANIZING.

CITY OF COLTON PUBLIC WORKS DEPARTMENT		
DROP INLET CATCH BASIN		
DRAWN BY	SCALE NONE	DRAWING NO.
CHK'D	DATE June 29, 1965	207
APP'D <i>Daniel H. Burnett</i>		2 OF 3

ANCHORS shall be 3 feet 5 3/8 inches center to center.

CONCRETE shall be Class B. When the basin is to be constructed within the limits of a proposed sidewalk or is contiguous to such a sidewalk, the top of the basin shall be poured monolithic with the sidewalk. In this case the dowels between wall and top slab shall be omitted and the top of the catch basin wall finished smooth.

CONNECTION PIPES may be placed in any position around the walls provided they point in the proper direction and the position is otherwise consistent with the improvement plan.

CURVATURE of the end-walls at curb opening shall be formed by curved forms and shall not be made by plastering.

DIMENSIONS: (V and W to be specified on plans)

Hike-up shall be parallel to plane of gutter - Slope 3/4" to 1'0"

R = 3/4 inch

S = 1 1/2 inches

t - See Reinforcing Section below

V = 3 feet 6 inches, minimum

W - 2 feet 11 3/8 inches for one grating. Add 3 feet 5 3/8 inches for each additional grating.

EXPOSED SURFACES of the catch basin shall conform in slope, grade, color, finish, and scoring to existing improvements adjacent to the basin. Where no sidewalk exists, the top shall be finished to conform to standard sidewalk slope and finish. Where no curb exists, the batter of exposed end walls above the street surface shall conform to batter for standard curb.

FLOOR of basin shall be given a steel-troweled finish.

FRAME AND GRATING to be Alhambra Foundry No. A-1540 or Equal.

OUTLET pipe shall be trimmed to the final shape and length before concrete is poured.

REINFORCING STEEL: (Deformed Bars)

Top Slab - #4 bars, one inch from top of slab.

SLOPE of floor parallel with curb shall be 1 in 12 unless otherwise specified.

Slope floor from all directions to the outlet.

STEPS: 3/4 inch plain round galvanized steel steps are required as follows: (Alhambra Fdy. A-3320 or Equal).

If V is 4.5 feet or less, no steps are required.

If V is more than 4.5 feet, and not more than 5.0 feet, install one step 12 inches above floor of basin.

If V is more than 5.0 feet, install steps 12 inches apart, with the top step 6 inches below the top of grating.

All steps shall be 4 inches clear from the wall, and anchored not less than 5 inches in wall of basin.

Walls And Floor		
V. of C.B.	T	Reinforcing (Both Ways)
4' or Less	6"	No. 3 at 12"
4' to 8'	8"	No. 4 at 12"
8' or More	10"	No. 5 at 12"

CITY OF COLTON PUBLIC WORKS DEPARTMENT		
NOTES FOR DROP INLET CATCH BASIN		
DWG. BY	SCALE N.T.S.	DWG. NO.
CHK'D	DATE June 29, 1965	207
APP'D <i>Daniel H. Burnett</i>		3 of 3