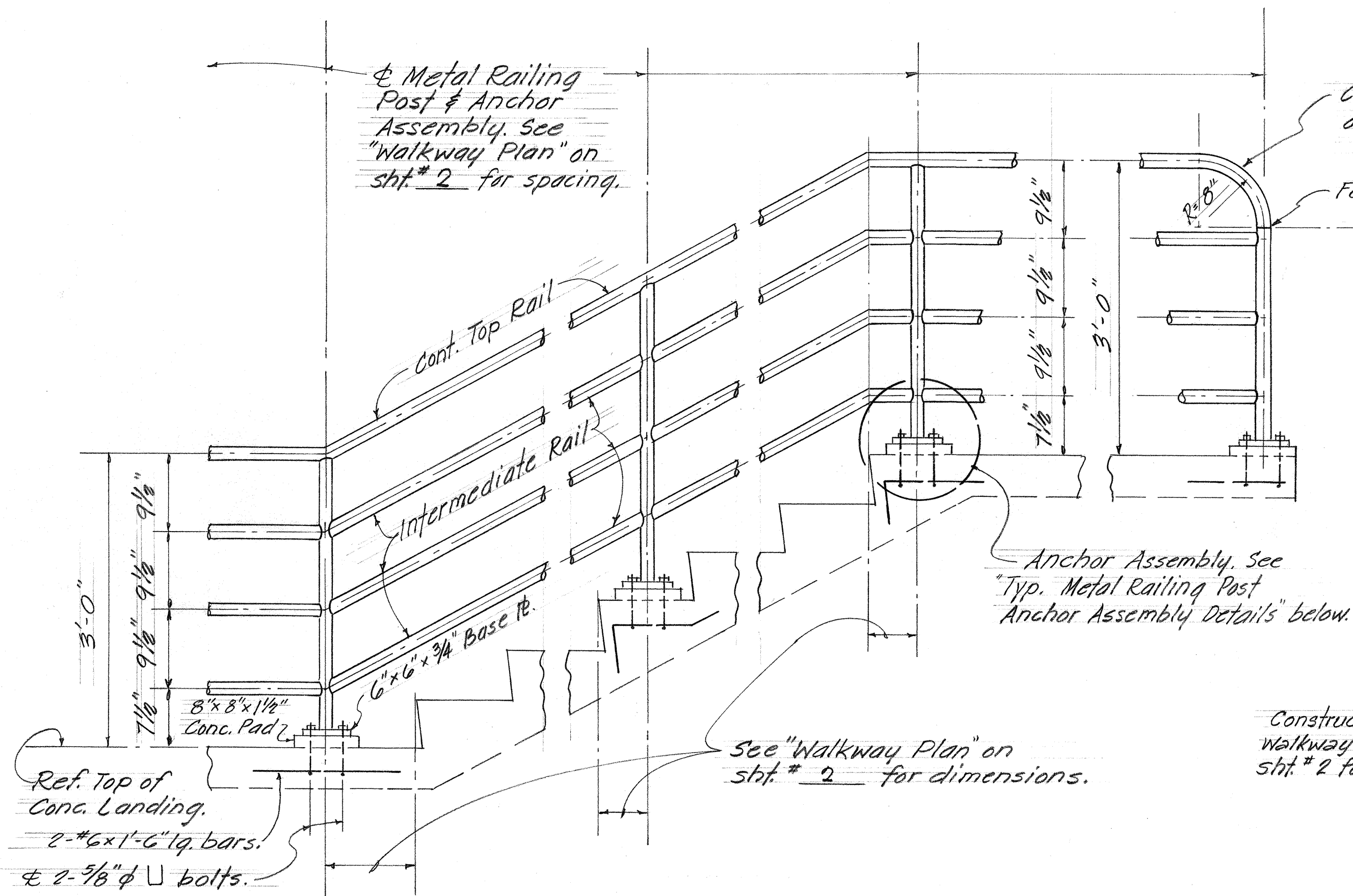


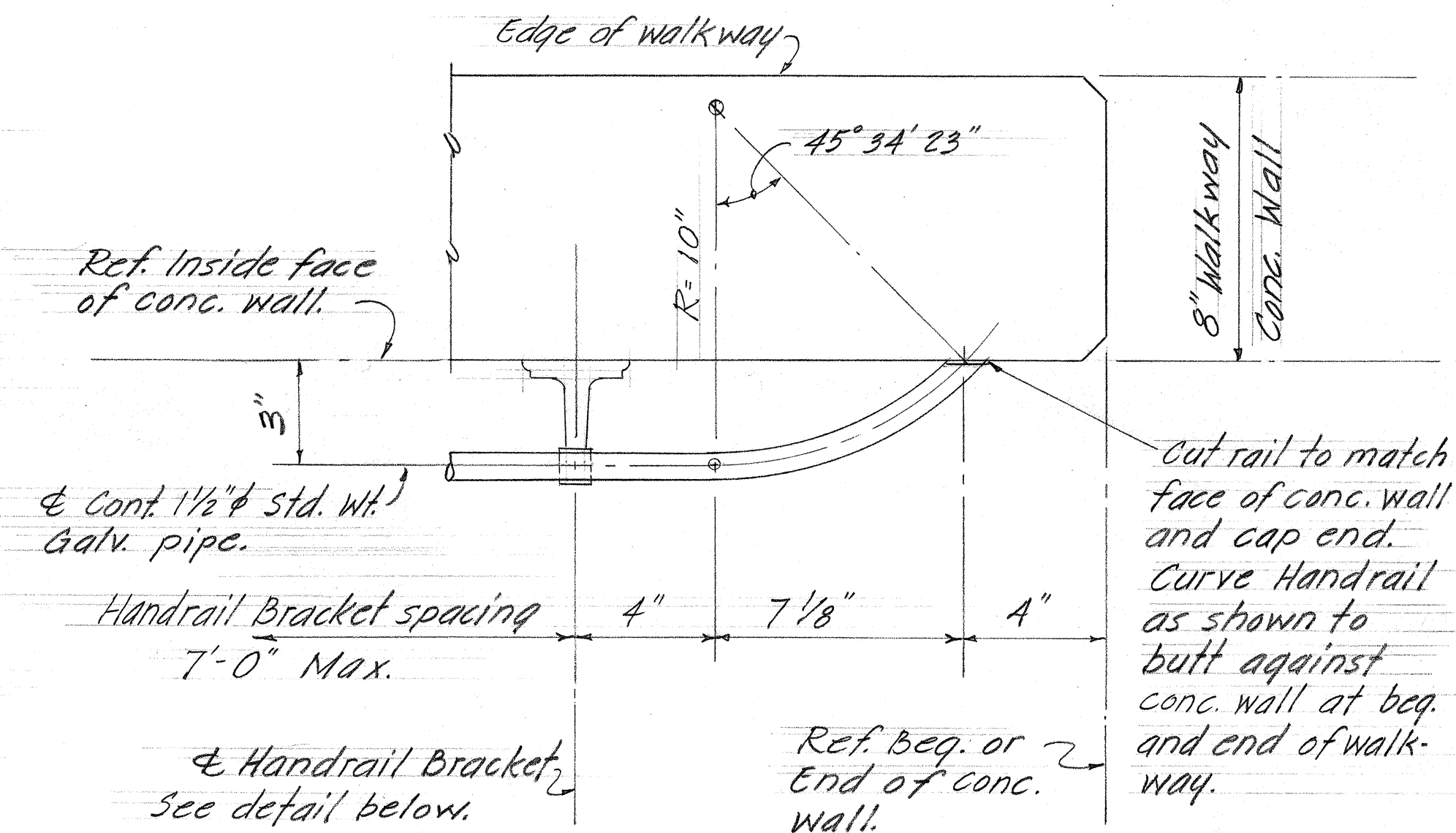
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-10-71	1971	4	4



METAL RAILING DETAIL

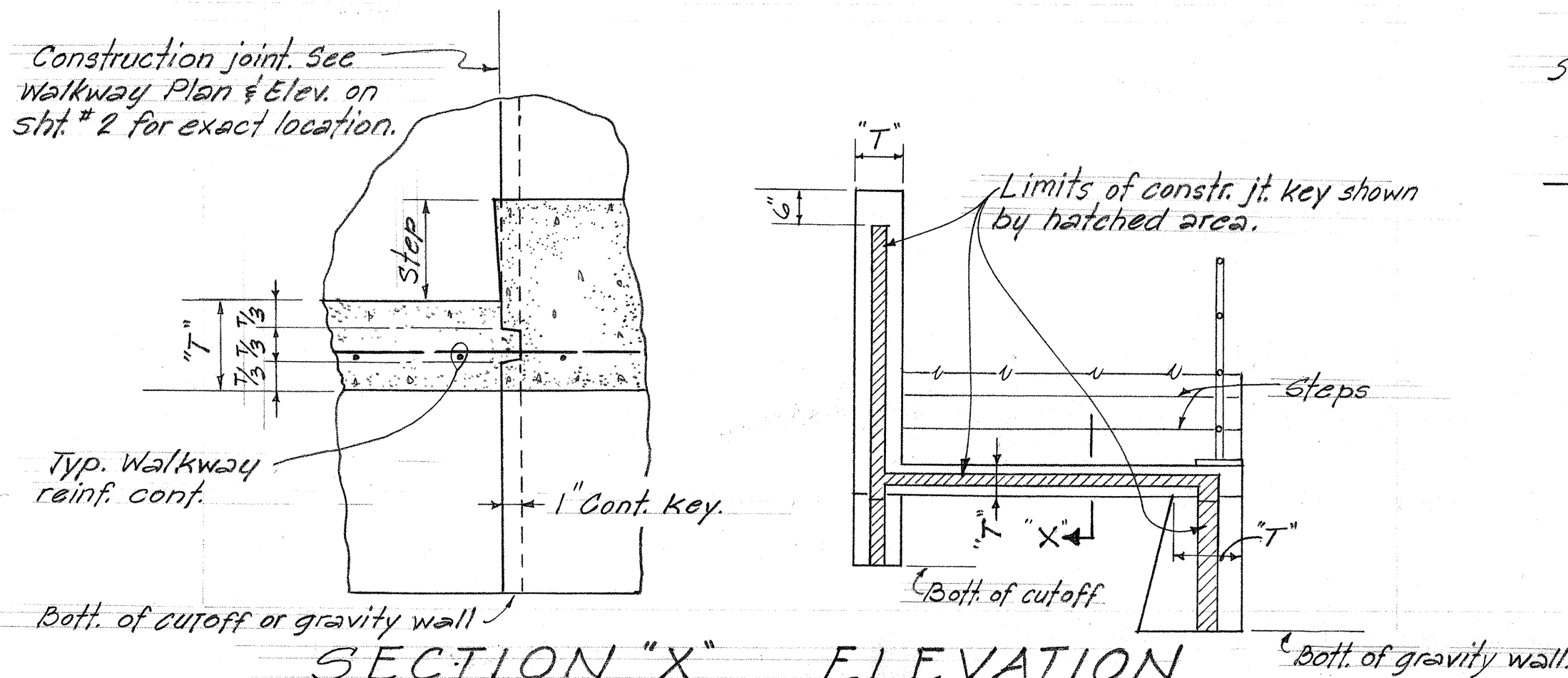
Scale: 1" = 1'-0"

- NOTES**
- Shape intermediate rail into post and post into cont. top rail and full weld. All welds on pipe shall be ground smooth.
 - All rails to be 1 1/2" galvanized pipe.
 - All rail post to be 1 1/2" extra strong galv. pipe and shall be installed plumb.
 - Metal railing anchor assembly base $\bar{P}$ shall be structural carbon steel A.S.T.M. designation A-36.
 - All metal railing anchor assemblies, including base plates, anchor bolts, nuts, and washers to be galvanized after fabrication. See Special provision.
 - All appurtenances (base plates, bolts, nuts & washers, etal) shall be incidental to the respective items.



END DETAIL PLAN OF HANDRAIL

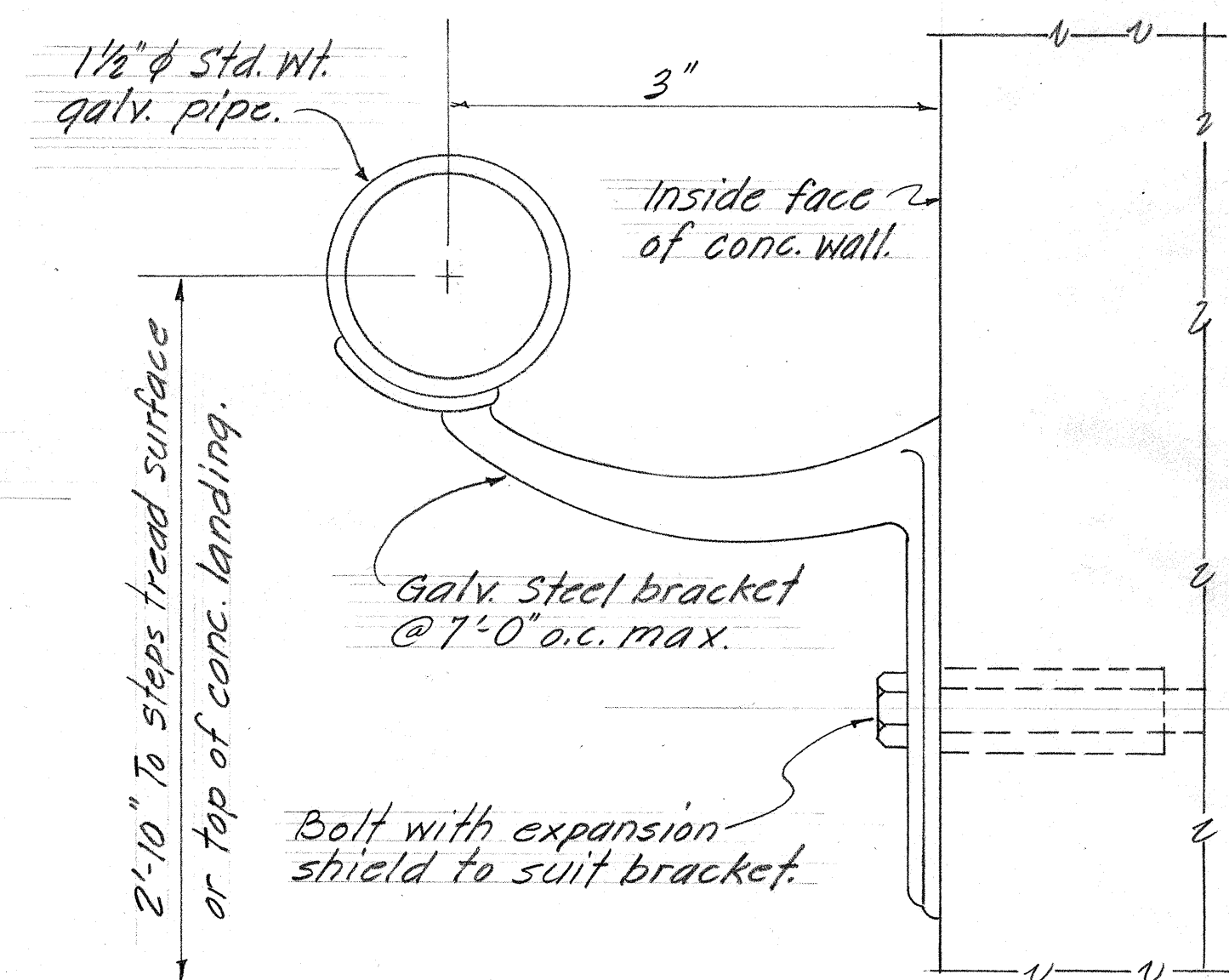
Scale: 3" = 1'-0"



CONSTR. JOINT DETAILS

Scale: 1 1/2" = 1'-0"

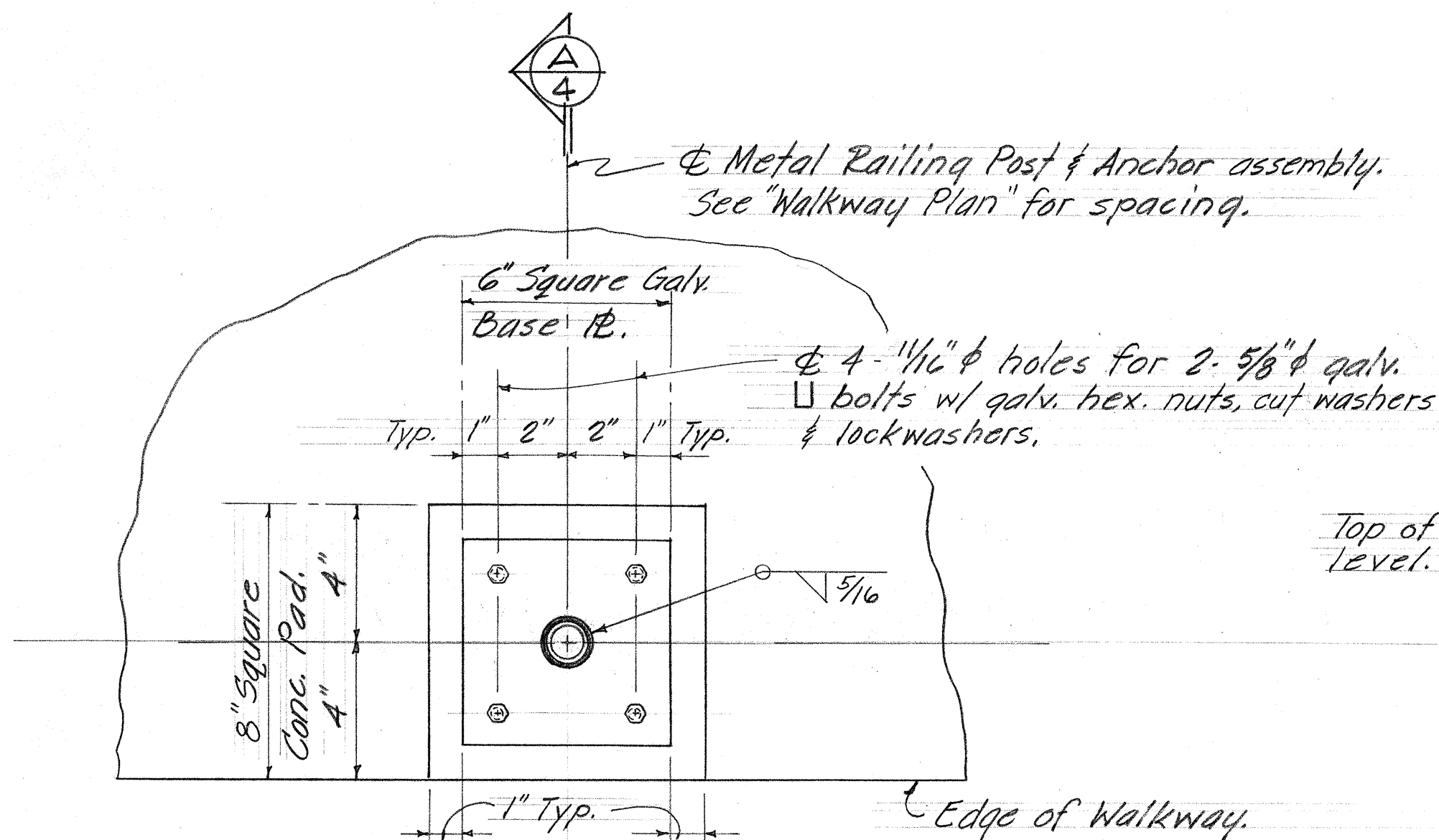
Scale: 1/2" = 1'-0"



TYPICAL SECTION AT HANDRAIL BRACKET

Full Size

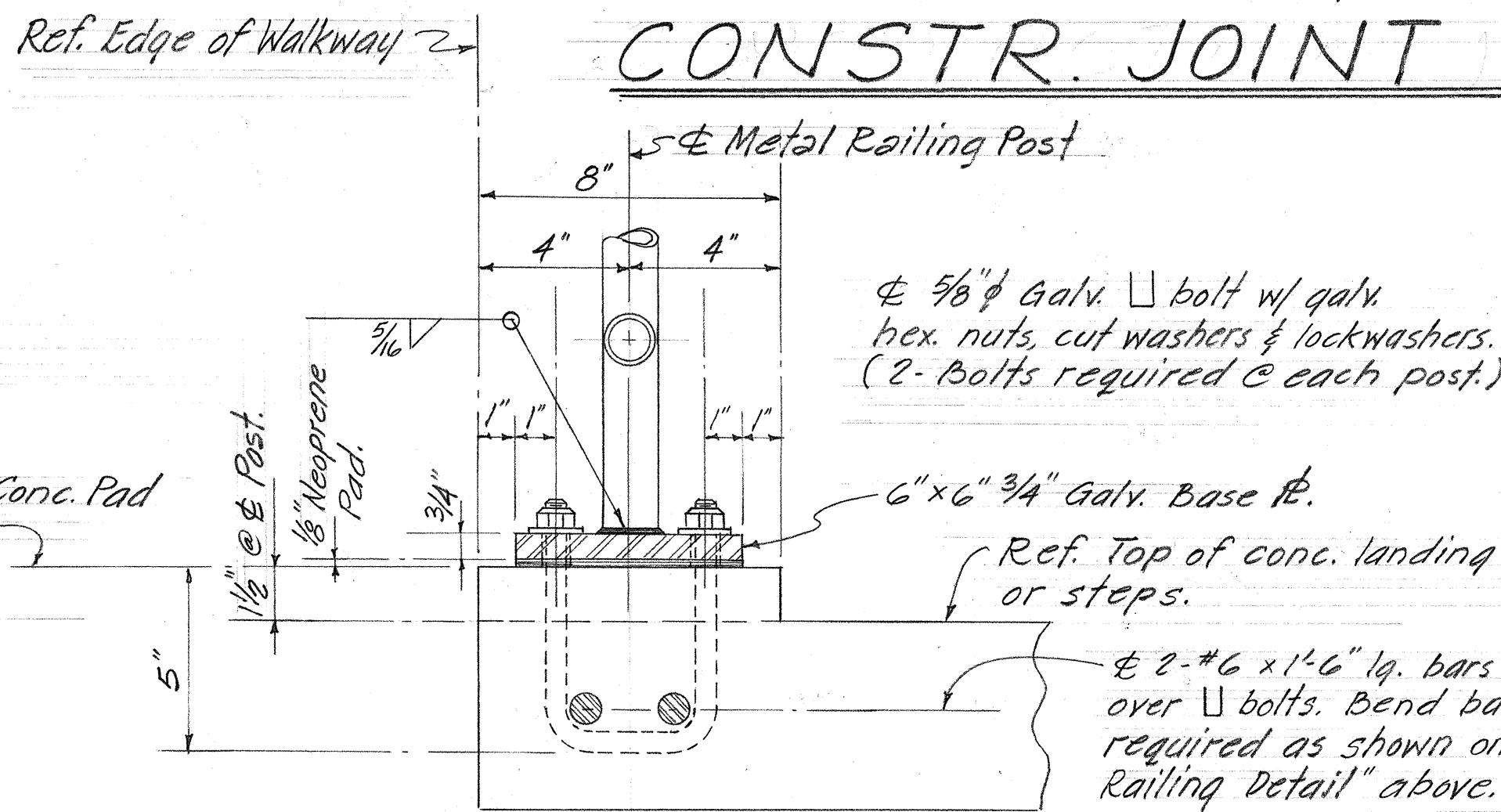
HANDRAIL DETAILS



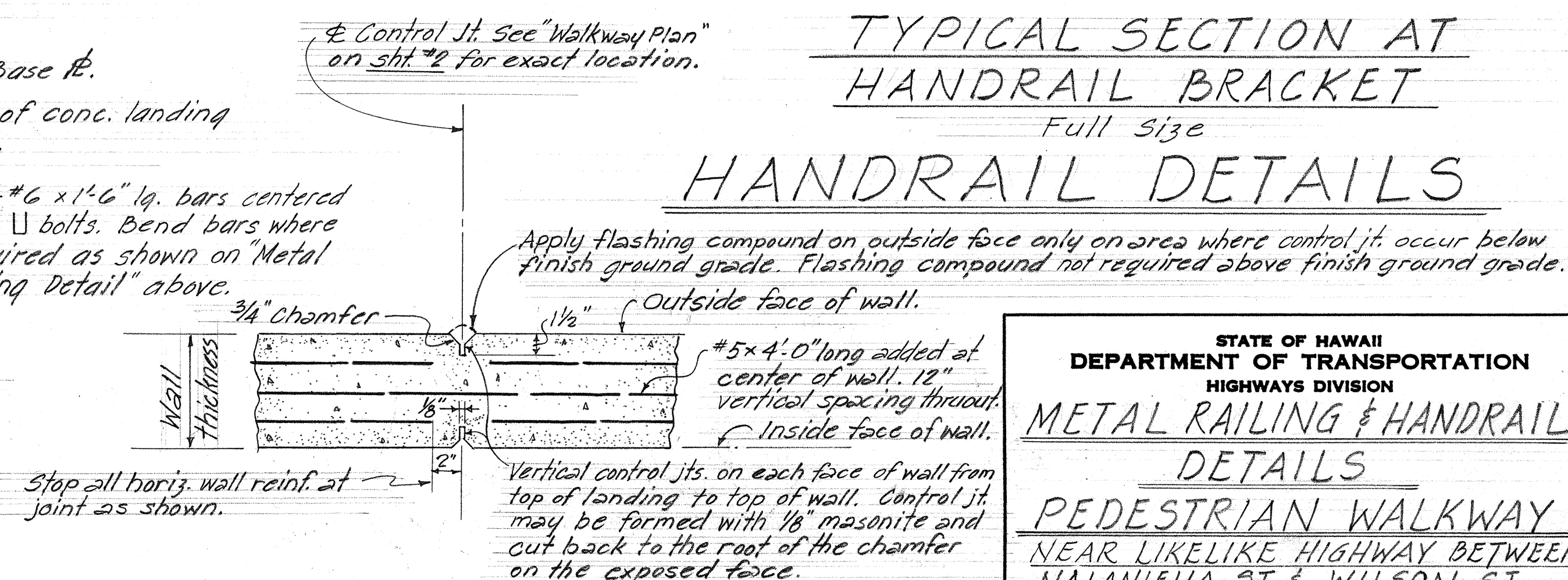
PLAN

TYP. METAL RAILING POST ANCHOR DETAILS

Scale: 3" = 1'-0"



SECTION A-A



CONTROL JOINT DETAIL

Scale: 1 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

METAL RAILING & HANDRAIL DETAILS

PEDESTRIAN WALKWAY
NEAR LIKELIKE HIGHWAY BETWEEN
NALANIEHA ST. & WILSON ST.
Proj. No. 63A-10-71 Date: Oct, 1970

SHEET No. 4 OF 4 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	