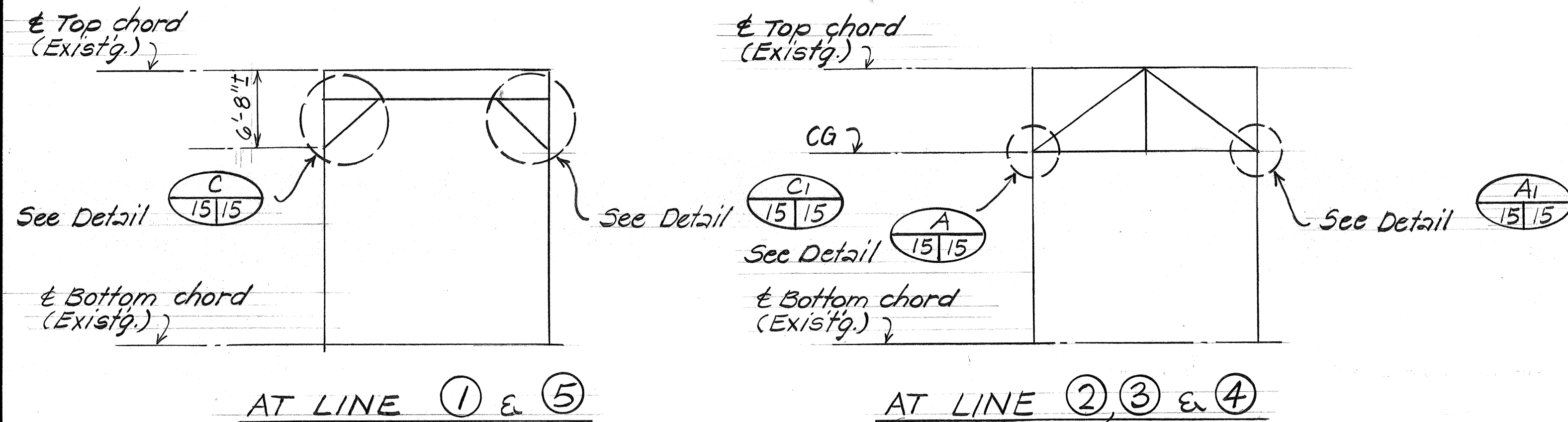
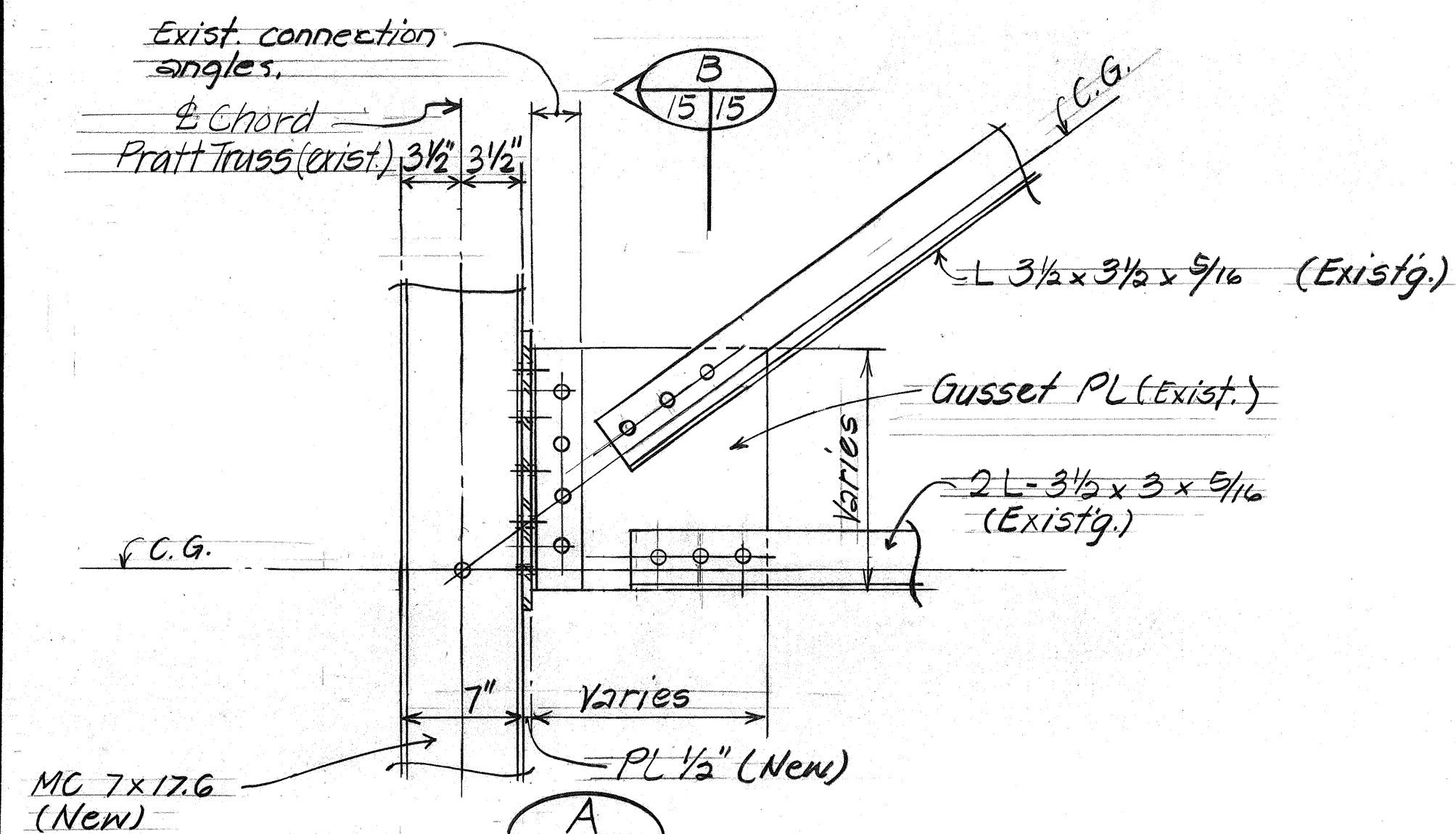


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56D-01-81M	1981	16	21

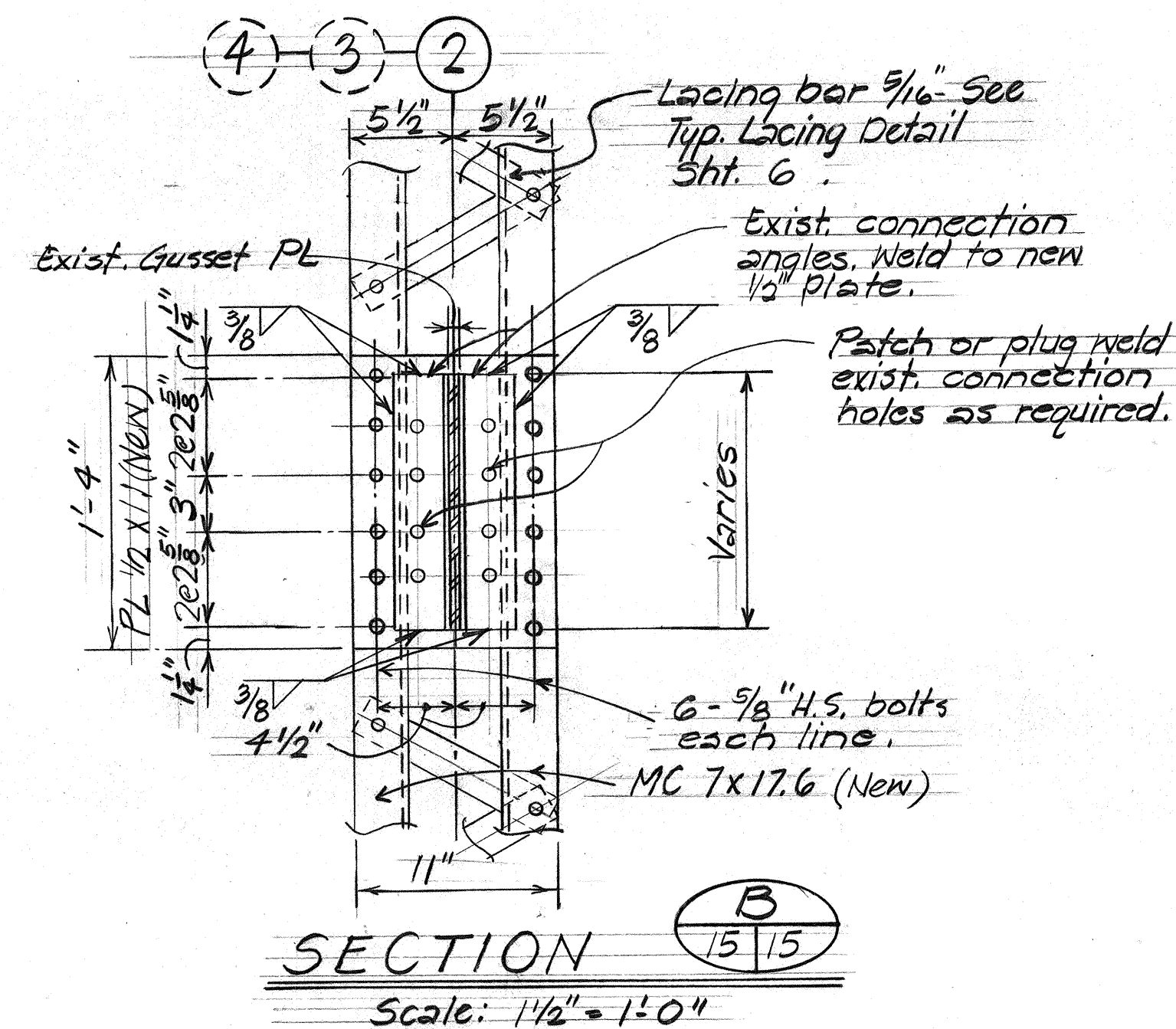


PORTAL & SWAY FRAME DIAGRAM Not to Scale

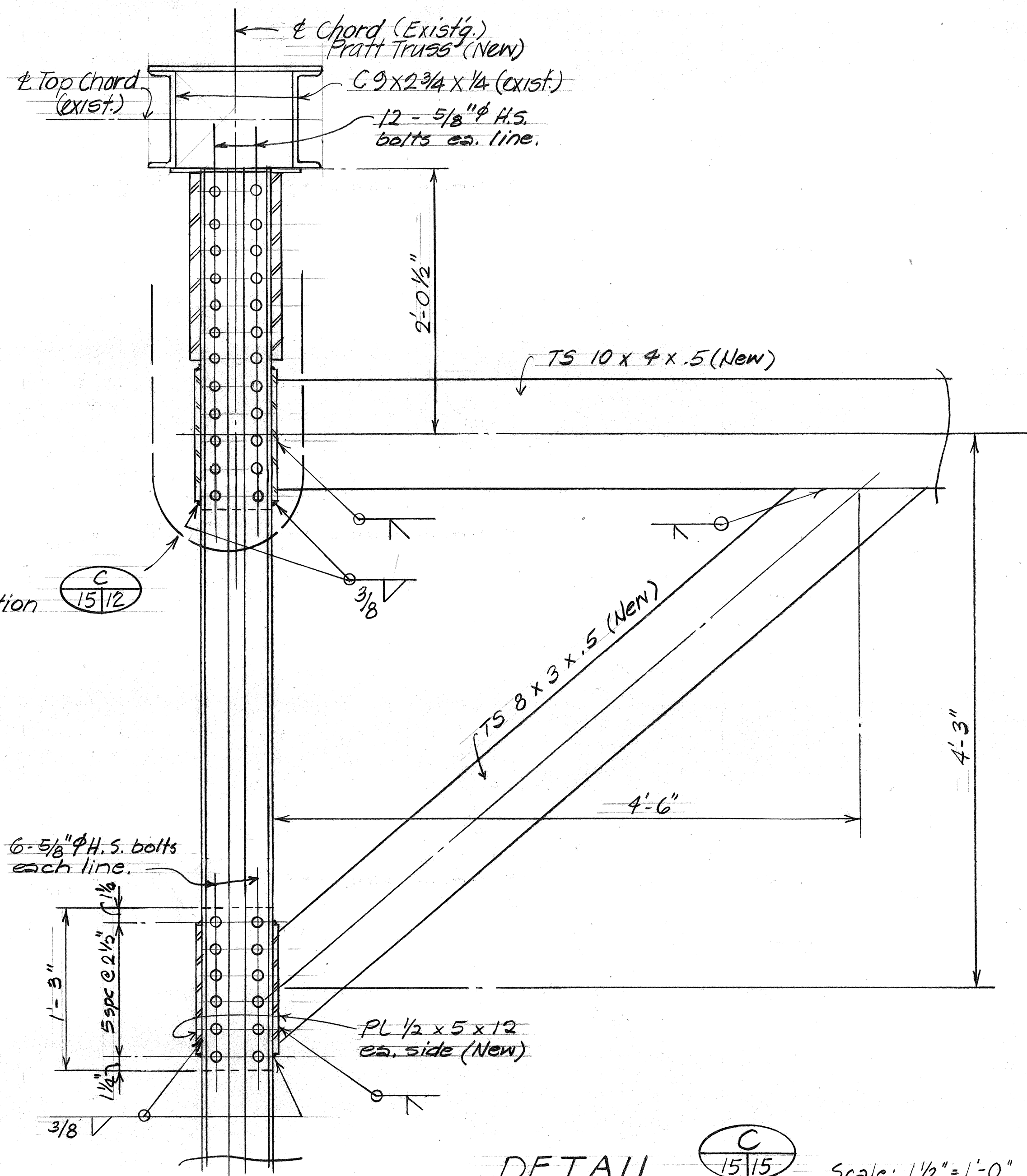


DETAIL A1 15/15 SIMILAR EXCEPT OPPOSITE HAND

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

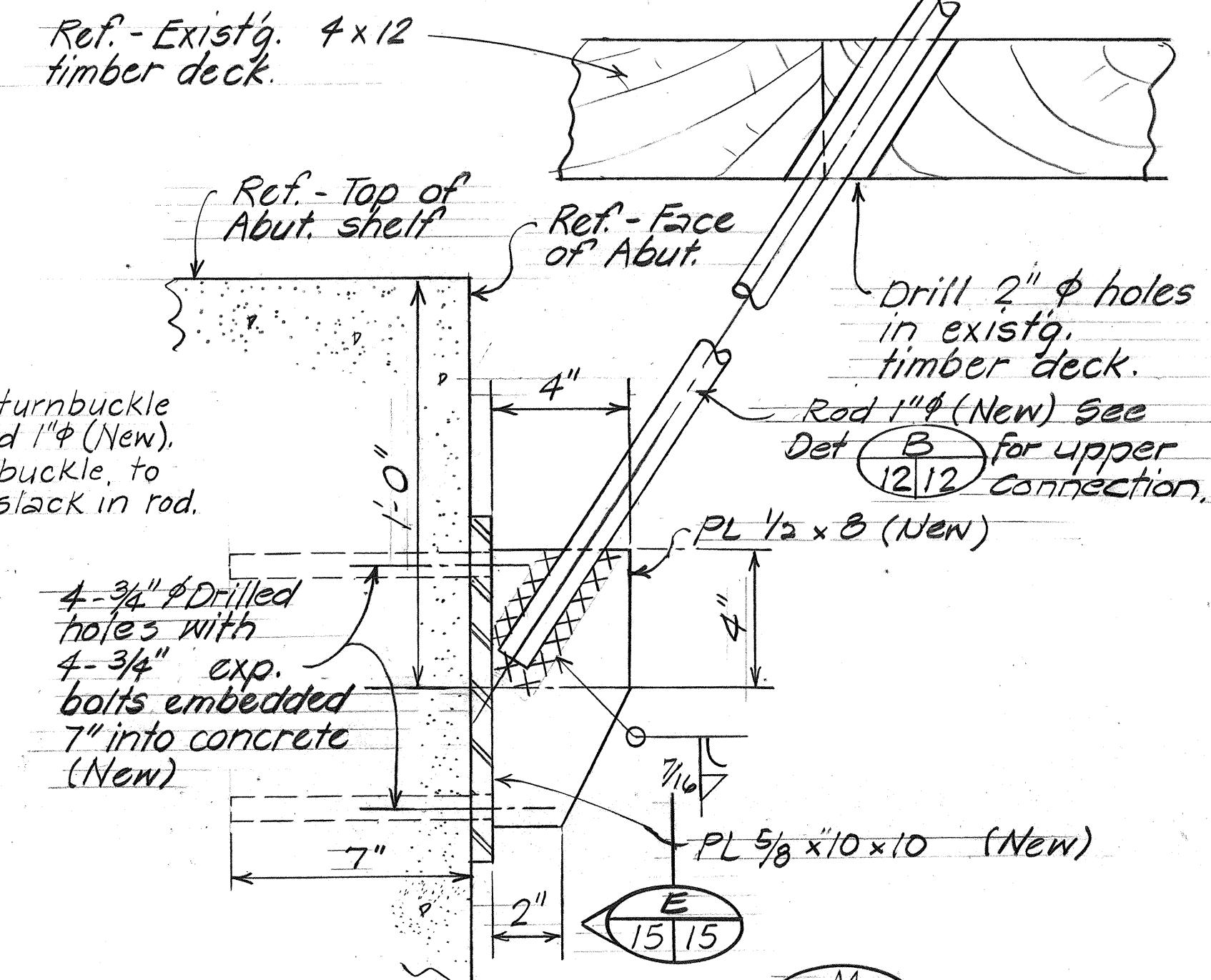


Scale: 1 1/2" = 1'-0"

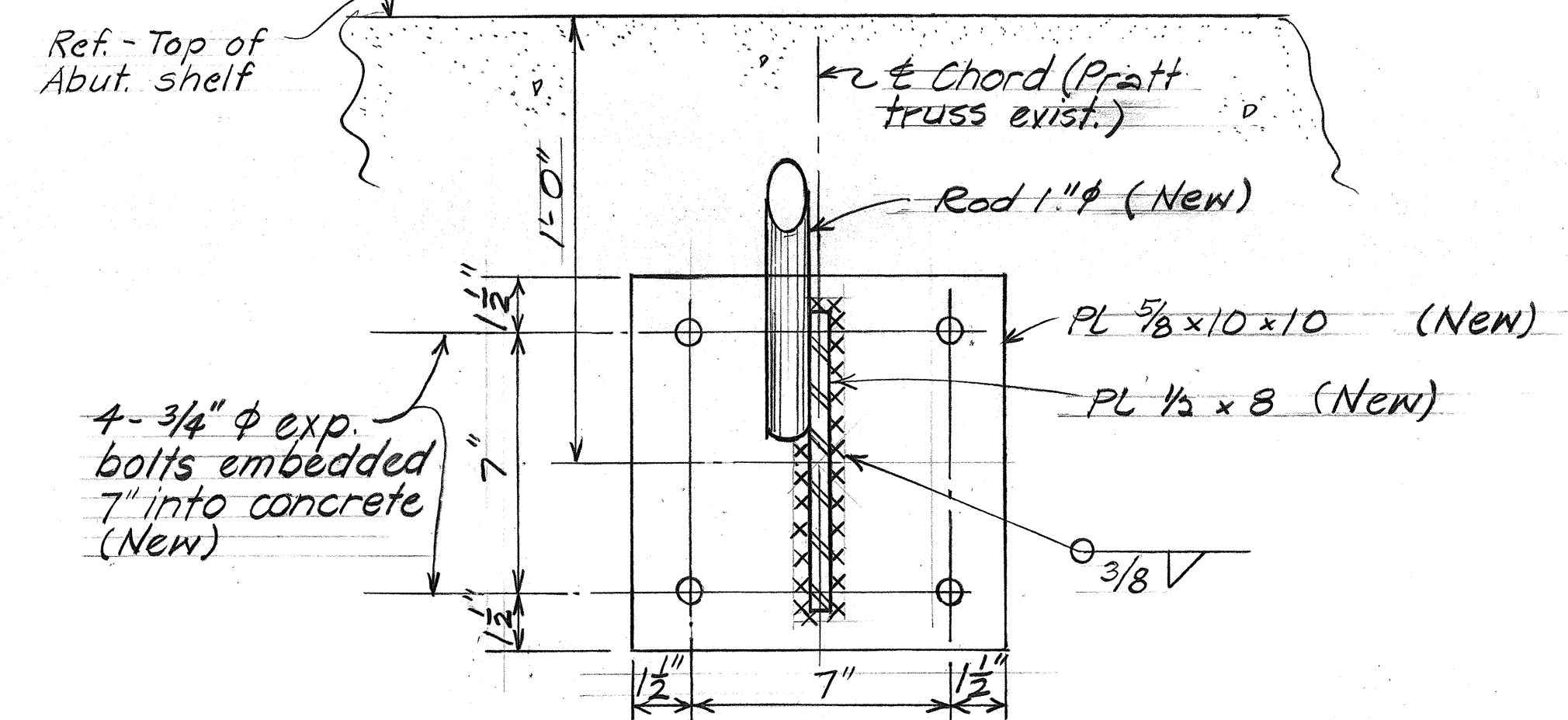


Scale: 1 1/2" = 1'-0"

DETAIL C1 15/15 SIMILAR EXCEPT OPPOSITE HAND



DETAIL M1 2/15 SIMILAR EXCEPT OPPOSITE HAND



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUHIO HIGHWAY
REPAIRS TO HANALEI BRIDGE
PORTAL FRAME DETAILS
1" ROD CONNECTION AT ABUTMENT
Proj. No. 56D-01-81M
Scale: As Noted Date: Aug. 1980

SHEET No. 15 OF 15 SHEETS

ORIGINAL PLAN	DATE
NO. 1	Aug. 1980
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	