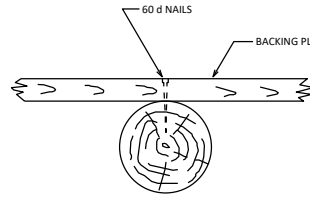
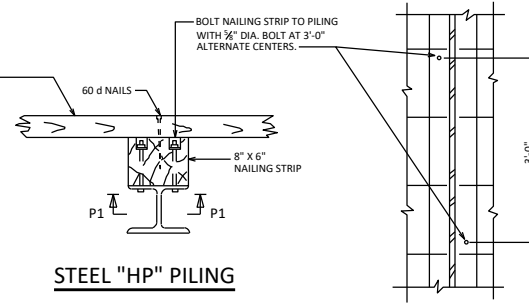


**CONCRETE
CAST-IN-PLACE PILING**

REFER TO STANDARD 11.01 FOR SECTION THRU REINFORCED CAST-IN-PLACE PILING WHEN PILES ARE EXPOSED.

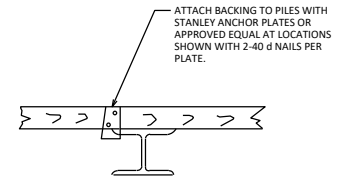


TIMBER PILING



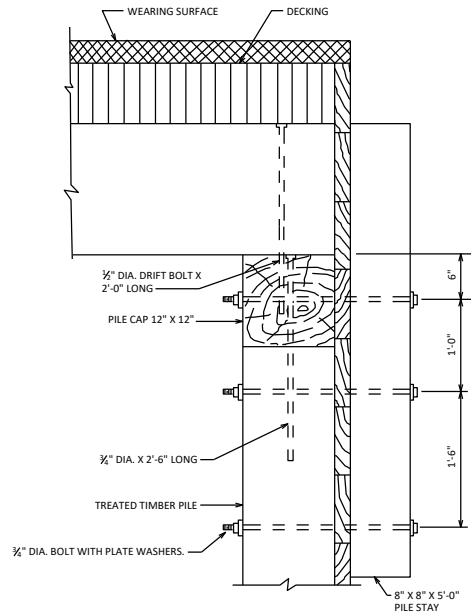
STEEL "HP" PILING

SECTION P1



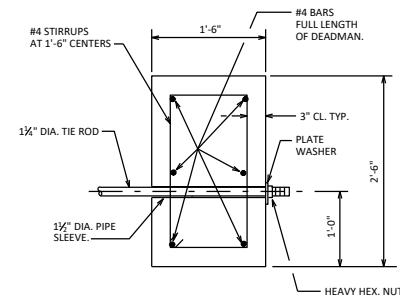
**STEEL "HP" PILING
(ALTERNATE ATTACHMENT)**

BODY & WING PLANK CONNECTION DETAILS



PILE CAP DETAIL

(TIMBER GIRDER)



SECTION THRU DEADMAN

TIMBER ABUTMENT DETAILS



APPROVED: *Laura Shadewald* DATE: 7-16