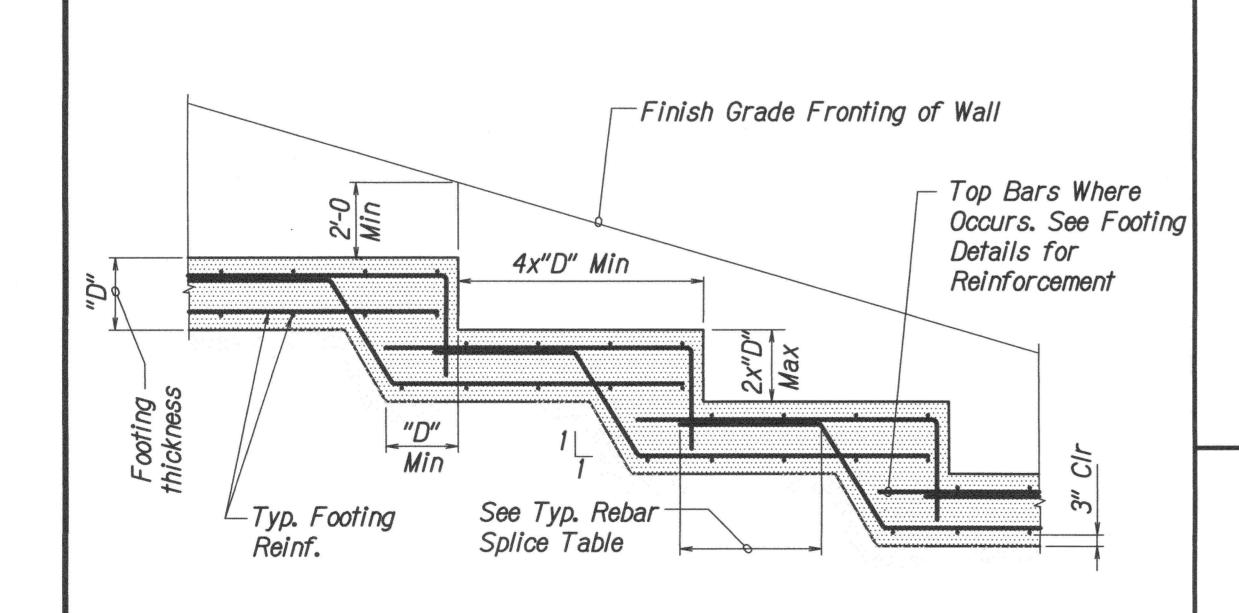


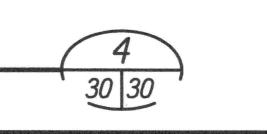
"Top Bars" are Horizontal Bars with 12" or more of Concrete cast below.

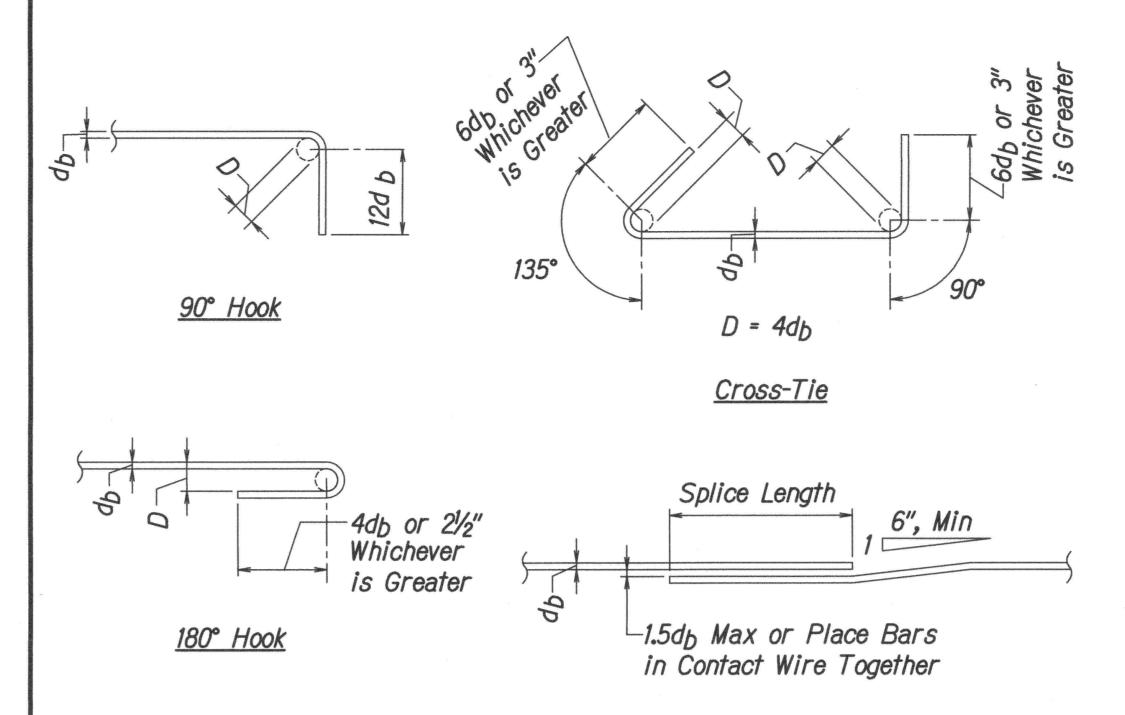
TYPICAL REBAR SPLICE AND EMBEDMENT LENGTH SCHEDULE Not to Scale

30 30

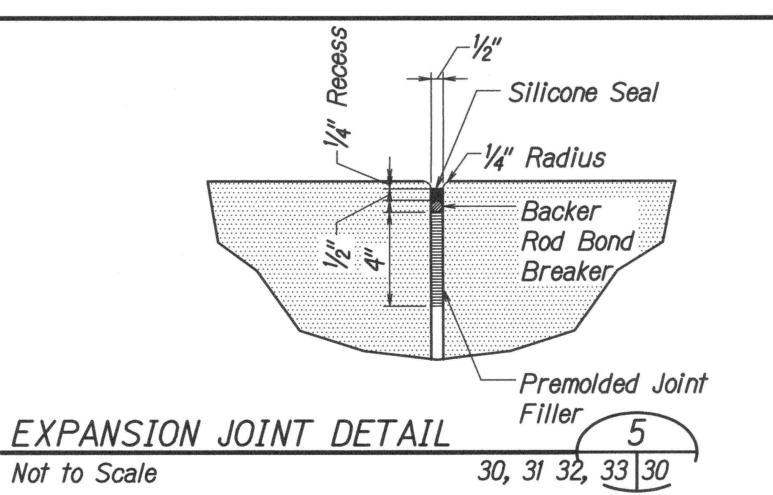


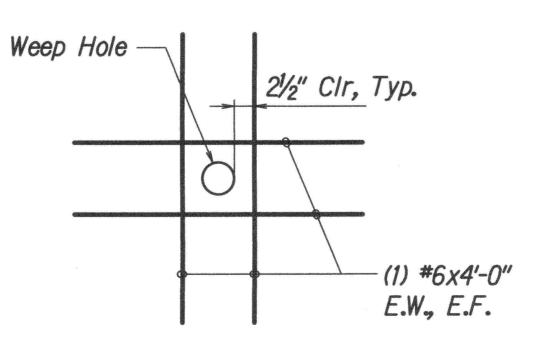
TYPICAL STEPPED FOOTING DETAIL Not to Scale



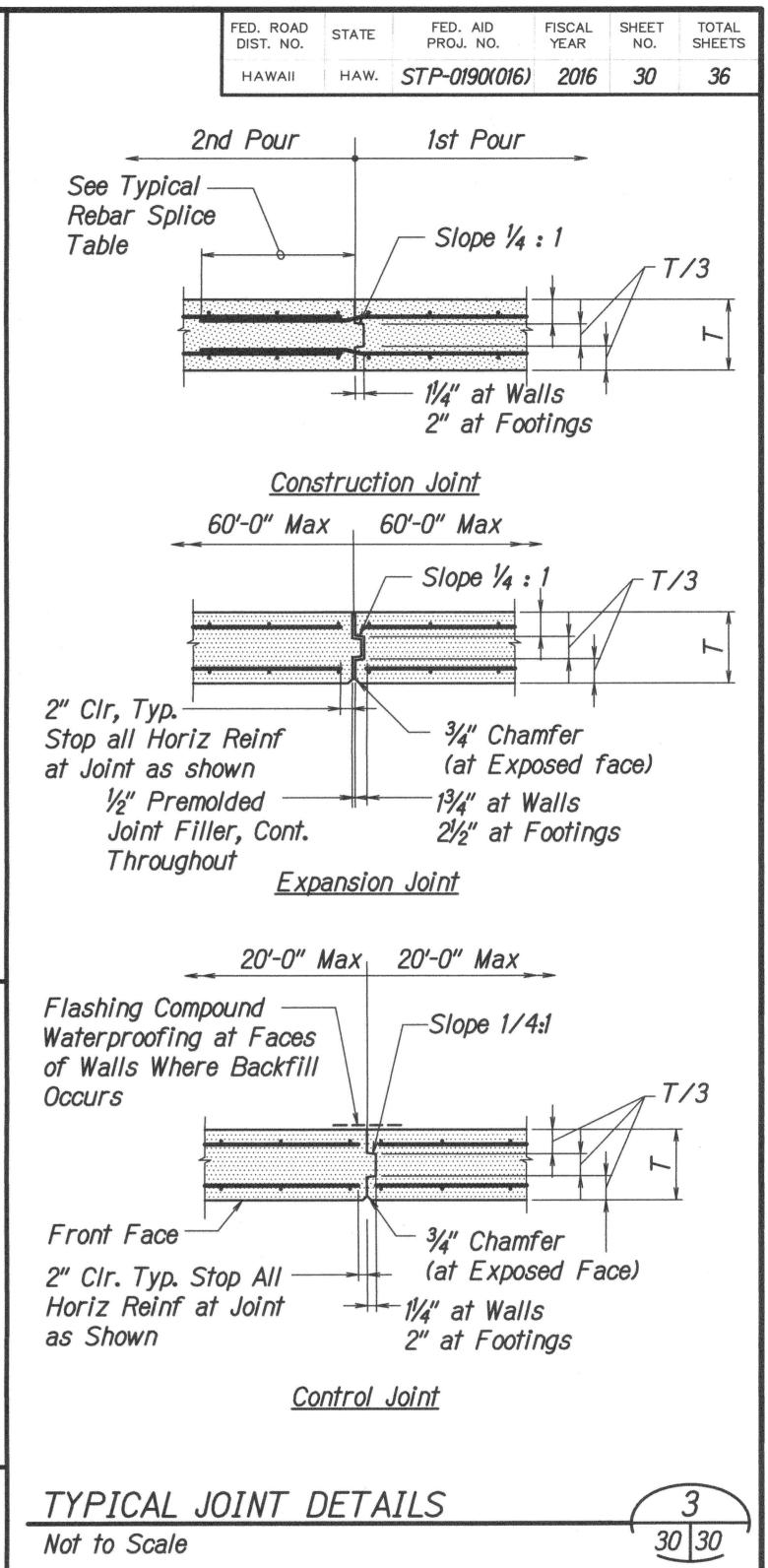


STANDARD HOOKS AND CROSS-TIE DETAIL Not to Scale





REINF AT WEEP HOLES 30 30 Not to Scale



30 30

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL DETAILS LICENSED PROFESSIONAL MAMALAHOA HIGHWAY

DRAINAGE IMPROVEMENTS Vicinity of Puuwaawaa Ranch Road EXPIRATION DATE OF THE LICENSE 4/30/2016
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Federal Aid Project No. STP-0190(016) Scale: As Noted Date: April 2016 SHEET No. 2 OF 8 SHEETS

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