

DEPTH OF FOOTING MAY BE AFFECTED BY LOCATION OF PIPES. CONTRACTOR SHALL DETERMINE DEPTH AND LOCATION OF PIPES PRIOR TO EXCAVATION OPERATIONS FOR FOOTINGS.

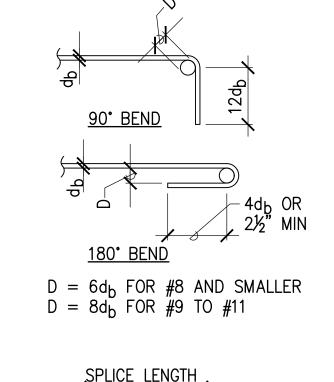
TYPICAL UTILITY TRENCH ADJACENT TO FOOTING / NOT TO SCALE

MINIMUM SPLICE & EMBEDMENT LENGTHS					
CONCRETE STRENGTH = 4,000 PSI					
	LAP SPLICE		EMBEDMENT		
		STRAIGHT			
BAR SIZE	BOT BAR	TOP BAR	BOT BAR	TOP BAR	W/ STD HOOK
#3	16"	20"	12"	16"	9"
#4	16"	20"	12"	16"	9"
#5	18"	24"	14"	18"	12"
#6	22"	29"	17"	22"	14"
# 7	32"	42"	25"	32"	17"
#8	37"	48"	28"	37"	19"
#9	42"	54"	32"	42"	21"
#10	47"	61"	36"	47"	24"
#11	52"	68"	40"	52"	27"

NOTES:

LENGTHS ARE FOR CONCRETE WITH REBAR SPACED 6 BAR DIAMETERS MIN OC. INCREASE BAR LENGTH 25% FOR BARS SPACED LESS THAN 6 BAR DIAMETERS OC.

2. "TOP BARS" ARE HORIZONTAL BARS WITH 12 INCHES OR MORE OF CONCRETE CAST BELOW.



TIE OR STIRRUP BEND

1.5db MAX OR PLACE BARS IN CONTACT TIED TOGETHER BAR LAP

REBAR SPLICE AND EMBEDMENT LENGTH SCHEDULE

TYPICAL SLAB-ON-GRADE JOINT DETAILS

#4 TOP AND BOTTOM—— SEE PLAN -FINISH GRADE VAPOR BARRIER. SEE NOTE 1 -SEE NOTE 1 BASE COURSE--BASE COURSE SLAB EDGE TYPICAL SLAB

CONCRETE SLAB EDGE-½" DIA x 1'-6" SMOOTH DOWEL -EXTERIOR CONCRETE AT 12", PROVIDE PLASTIC SLAB-ON-GRADE, SLEEVE ONE SIDE ONLY-SEE NOTE 2 —1'-0" MIN AND 8" MIN BELOW VAPOR BARRIER. FINISH GRADE SEE NOTE 1 — , 1'-0" BASE COURSE--BASE COURSE EXTERIOR SLAB

INTERIOR

FED. ROAD STATE

EXTERIOR

PROJ. NO.

HWY-M-ART18-01

FISCAL SHEET TOTAL YEAR NO. SHEETS

2022

SHEETS

#4×4'-0" AT MID-DEPTH OF SLAB--EDGE OF SLAB AT WALL CORNER, COLUMN, PEDESTAL, SLAB DEPRESSION OR SLAB BLOCKOUT

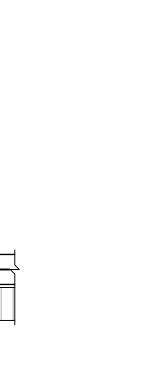
-REINFORCING,

RE-ENTRANT CORNER

TYPICAL SLAB-ON-GRADE DETAILS NOT TO SCALE S2 /

NOTES:

- 1. INSTALL VAPOR BARRIER UNDER BUILDING SLABS-ON-GRADE.
- 2. EXTERIOR CONCRETE SLAB-ON-GRADE REINFORCING SHALL MATCH TYPICAL CONCRETE SLAB-ON-GRADE.



1/4" WIDE x 11/4" DEEP SAWCUT FILLED WITH ELASTOMERIC SEALANT-REINFORCING SEE PLAN———

SAWCUT JOINT

NOTE: SAW CUTTING SHALL OCCUR AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH TO NOT BE TORN BY CUTTING BLADE AND BEFORE SHRINKAGE CRACKING OCCURS, BUT NO LATER THAN 12 HOURS AFTER CONCRETE HAS BEEN POURED

SEE ARCH, LANDING, SEE ARCH DRAWINGS DRAWINGS −#4 AT 12" EACH WAY $-\frac{1}{2}$ " DIA x 1'-6" SMOOTH DOWEL AT 12", -1-#4 NOSING BAR, TYP PROVIDE PLASTIC SLEEVE ONE SIDE AC PAVEMENT, ONLY, SEE NOTE BELOW SEE CIVIL DRAWINGS--#4 <mark>2'-0"</mark> BAR AT 12" __SLAB-ON-GRADE −#4∐ AT 12" EACH WAY

PROVIDE DOWELS ALONG EDGE OF LANDING ADJACENT TO BUILDING SLAB EDGE.

STAIRS AND LANDING DETAIL NOT TO SCALE S2 /



observation. Expiration date 04/30/24.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPICAL DETAILS

MAUI DISTRICT BASEYARD Project No. HWY-M-ART18.01

Scale: AS SHOWN Date: MAY 2022 SHEET No. S2 OF 80 SHEETS

S2 / NOT TO SCALE

CONT KEYWAY-REINFORCING SEE PLAN 2-#4 CONT-

½" DIA x 1'-6" SMOOTH DOWEL AT CENTER OF SLAB AT 24" PROVIDE PLASTIC SLEEVE

ONE SIDE ONLY-

CONSTRUCTION JOINT

under my supervision and construction of the project will be under my

S2 NOT TO SCALE