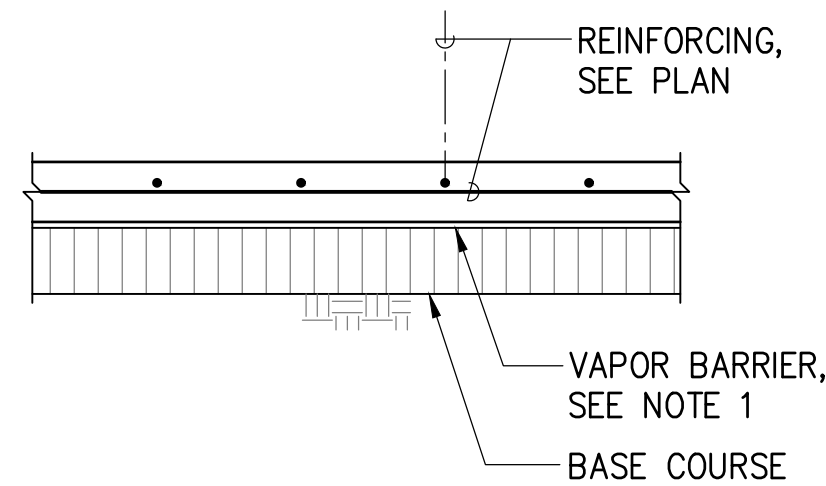
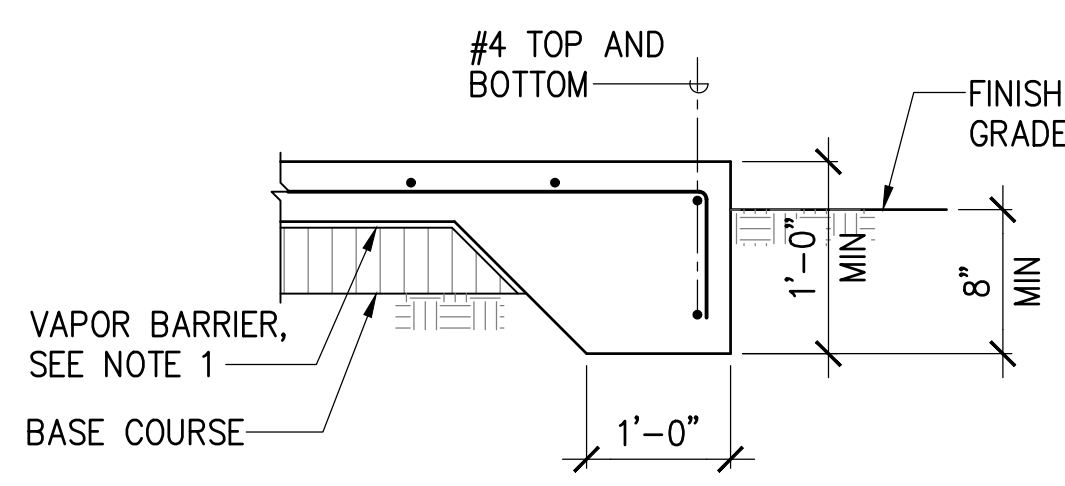


NOTE:
DEPTH OF FOOTING MAY BE AFFECTED BY LOCATION OF PIPES. CONTRACTOR SHALL DETERMINE DEPTH AND LOCATION OF PIPES PRIOR TO EXCAVATION OPERATIONS FOR FOOTINGS.

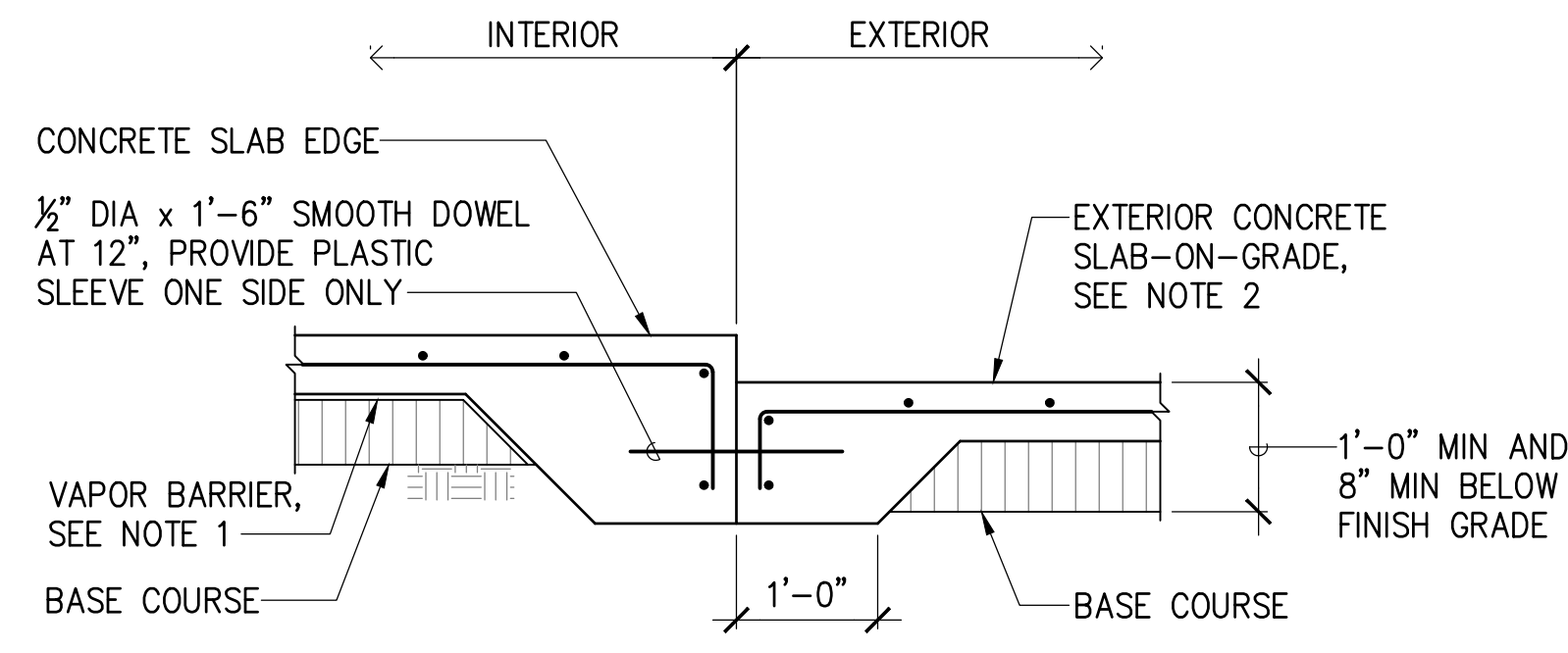
1 TYPICAL UTILITY TRENCH ADJACENT TO FOOTING
S2 NOT TO SCALE



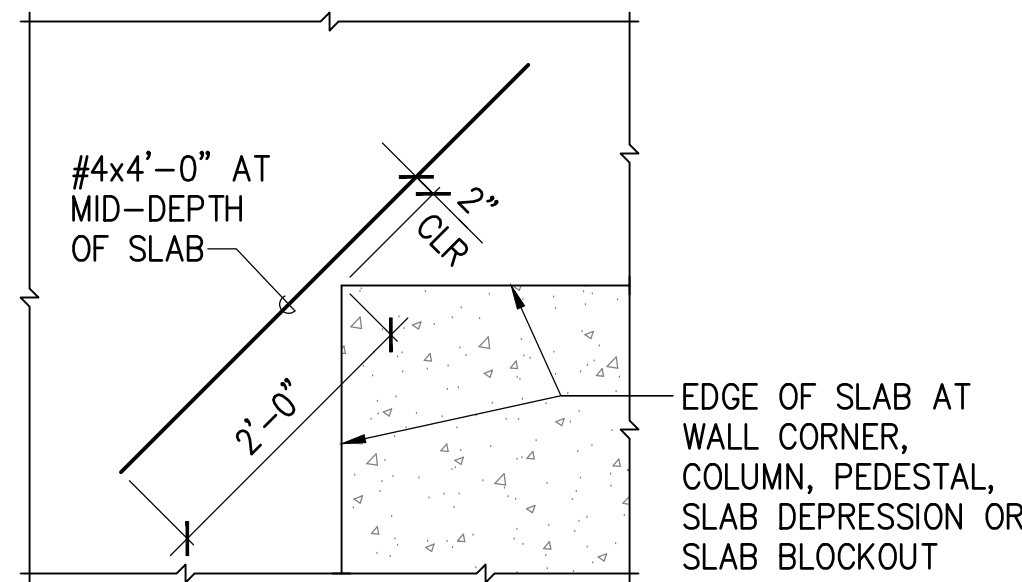
TYPICAL SLAB



SLAB EDGE



EXTERIOR SLAB



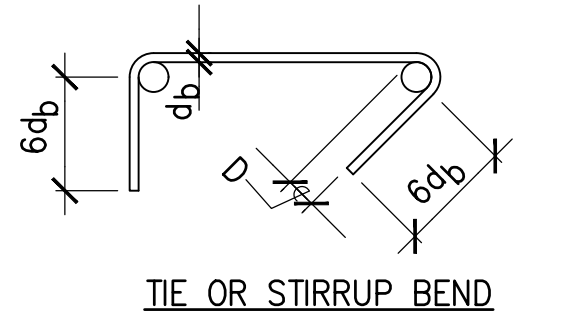
RE-ENTRANT CORNER

NOTES:

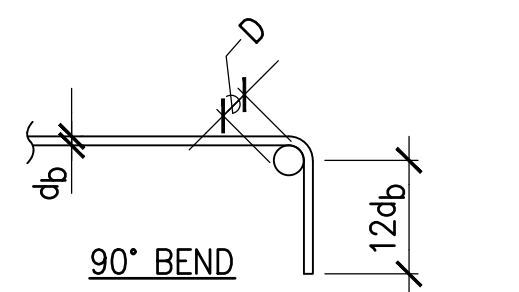
- INSTALL VAPOR BARRIER UNDER BUILDING SLABS-ON-GRADE.
- EXTERIOR CONCRETE SLAB-ON-GRADE REINFORCING SHALL MATCH TYPICAL CONCRETE SLAB-ON-GRADE.

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

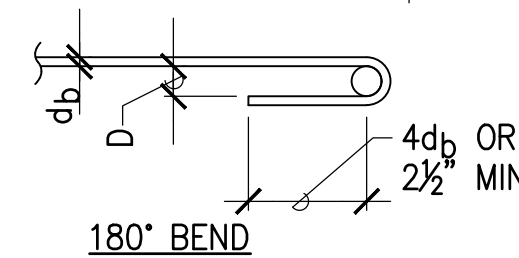
MINIMUM SPLICE & EMBEDMENT LENGTHS					
CONCRETE STRENGTH = 4,000 PSI					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	BOT BAR	TOP BAR	BOT BAR	TOP BAR	W/ STD HOOK
#3	16"	20"	12"	16"	9"
#4	16"	20"	12"	16"	9"
#5	18"	24"	14"	18"	12"
#6	22"	29"	17"	22"	14"
#7	32"	42"	25"	32"	17"
#8	37"	48"	28"	37"	19"
#9	42"	54"	32"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



TIE OR STIRRUP BEND

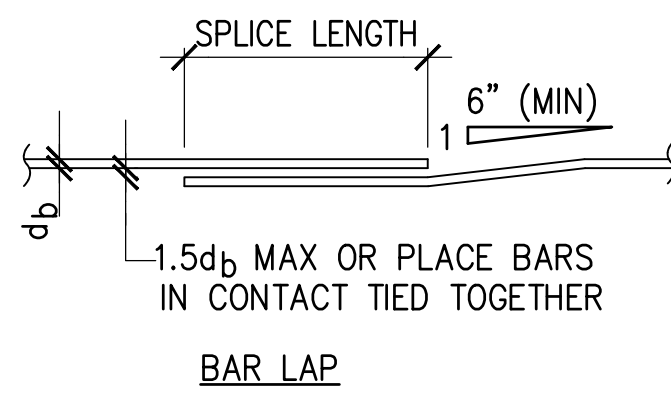


90° BEND



180° BEND

D = 6db FOR #8 AND SMALLER
D = 8db FOR #9 TO #11

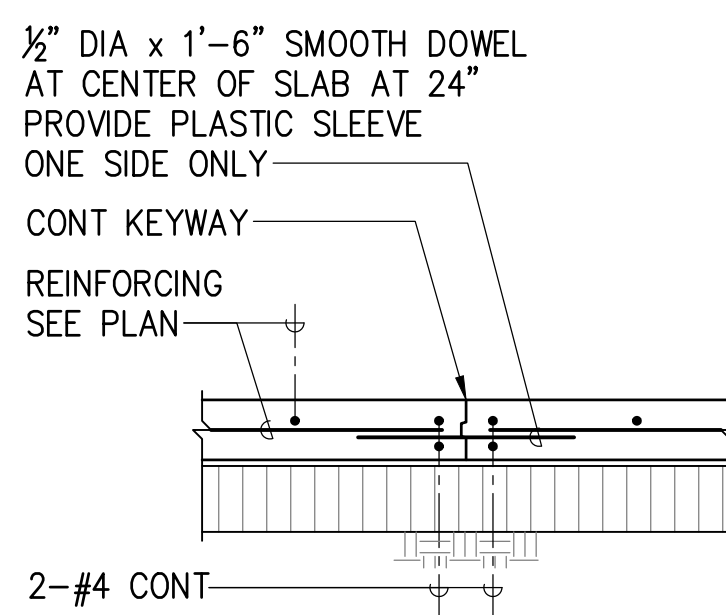


BAR LAP

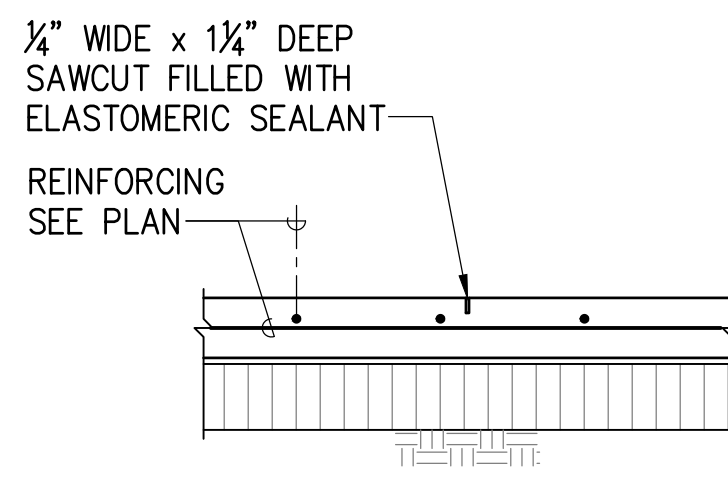
NOTES:

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

2 REBAR SPLICE AND EMBEDMENT LENGTH SCHEDULE
S2 NOT TO SCALE



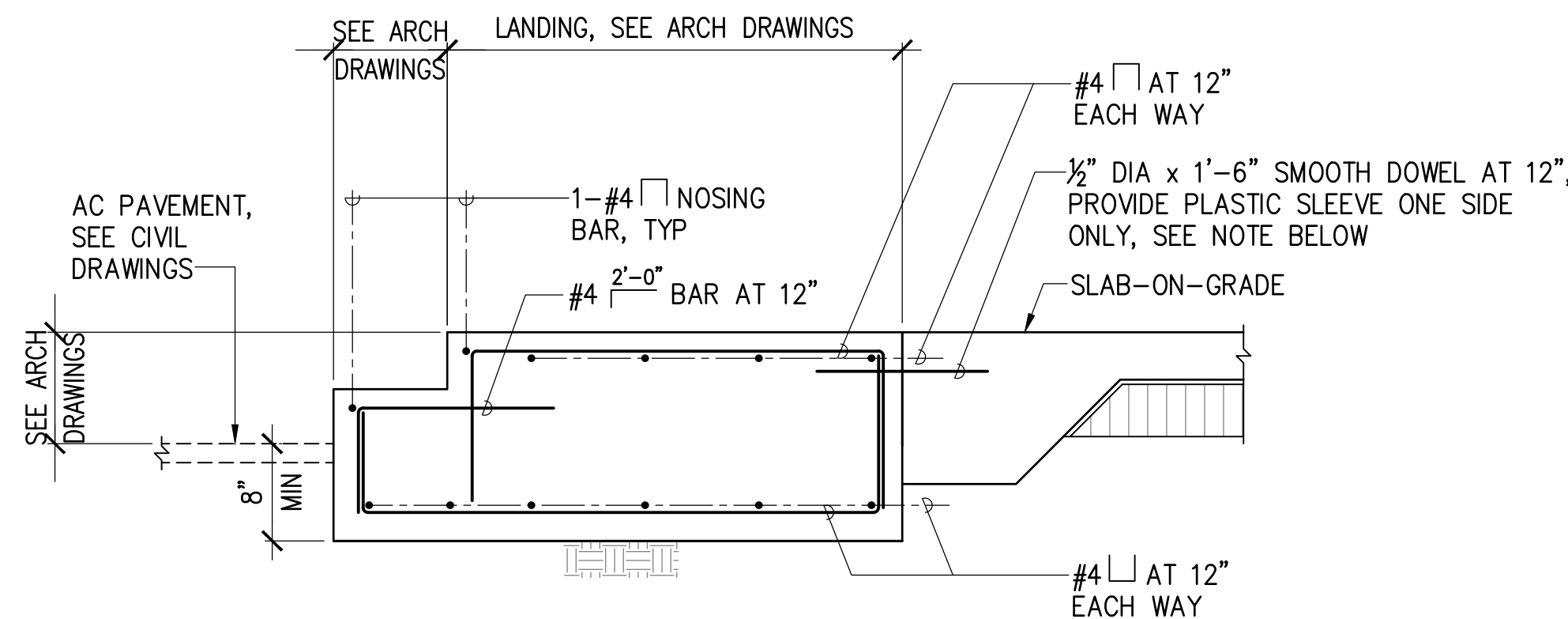
CONSTRUCTION JOINT



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

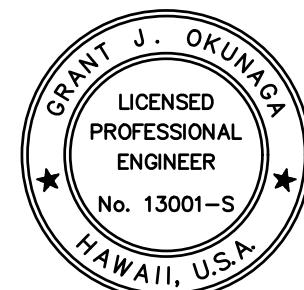
4 TYPICAL SLAB-ON-GRADE JOINT DETAILS
S2 NOT TO SCALE



NOTE:

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

5 STAIRS AND LANDING DETAIL
S2 NOT TO SCALE



This work was prepared by me or under my supervision and construction of the project will be under my 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