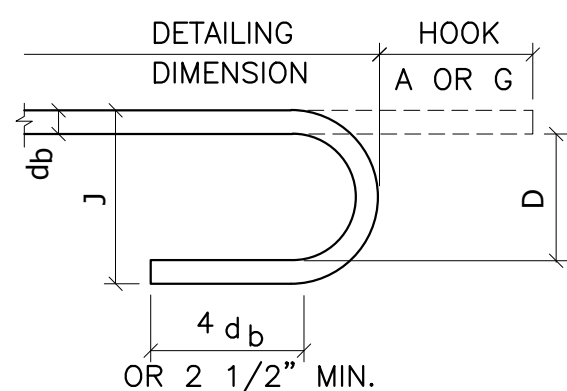


90° HOOK

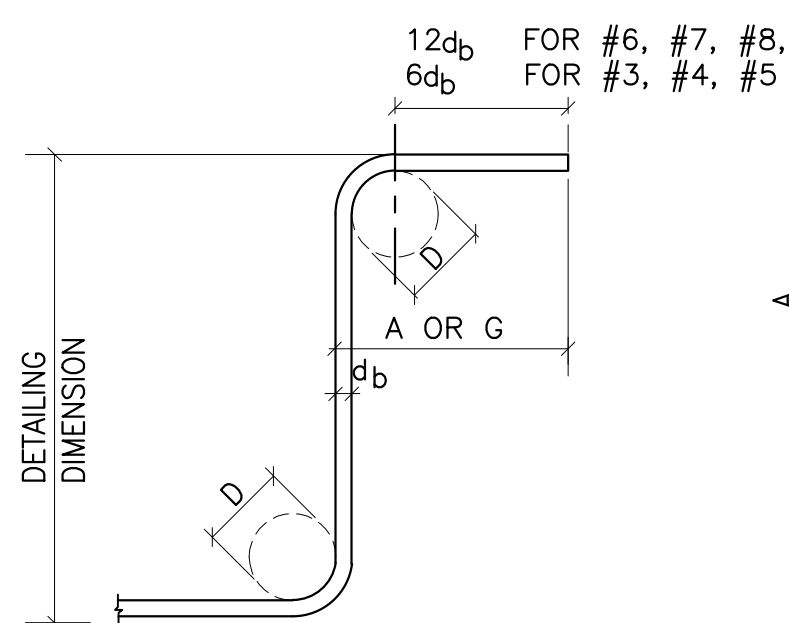


180° HOOK

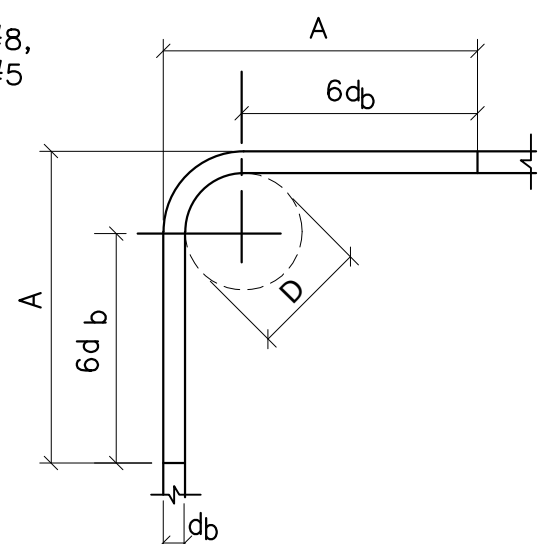
STANDARD END HOOKS, ALL GRADES				
BAR SIZE	FINISHED BEND DIAMETER D, (IN.) [MM]	180° HOOKS		90° HOOKS
		A OR G (IN.) [MM]	J (IN.) [MM]	A OR G (IN.) [MM]
#3	2 1/4 [57]	5 [127]	3 [76]	6 [152]
#4	3 [76]	6 [152]	4 [102]	8 [203]
#5	3 3/4 [95]	7 [178]	5 [127]	10 [254]
#6	4 1/2 [114]	8 [203]	6 [152]	12 [305]
#7	5 1/4 [133]	10 [254]	7 [178]	14 [356]
#8	6 [152]	11 [279]	8 [203]	16 [406]
#11	12 [305]	19 [483]	14 3/4 [375]	24 [610]
#14	18 1/4 [464]	27 [686]	21 3/4 [552]	31 [787]
#18	24 [610]	36 [914]	28 1/2 [724]	41 [1041]

D = INSIDE DIAMETER OF BEND

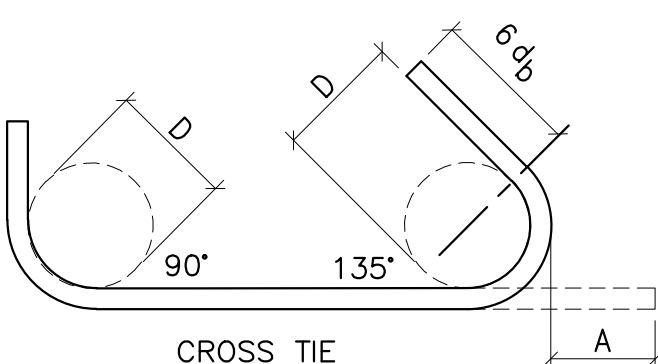
TYPICAL END HOOKS



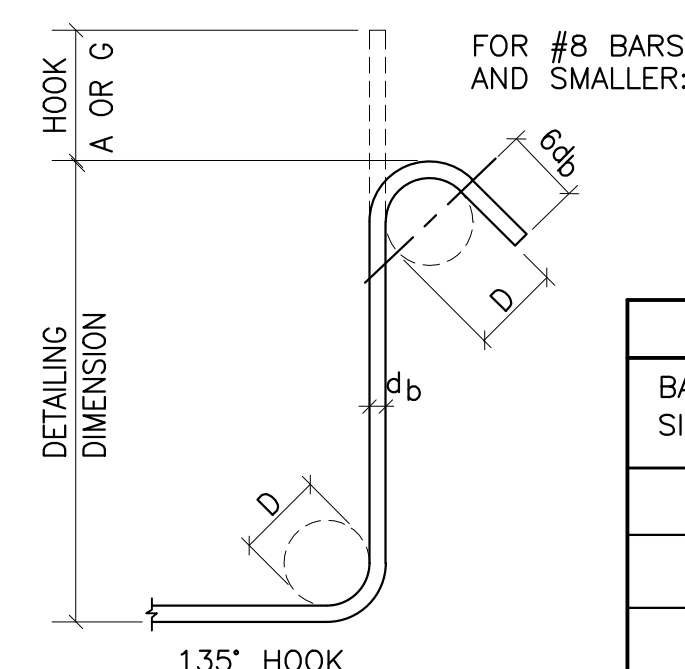
90° HOOK



CORNER TIE HOOK



CROSS TIE

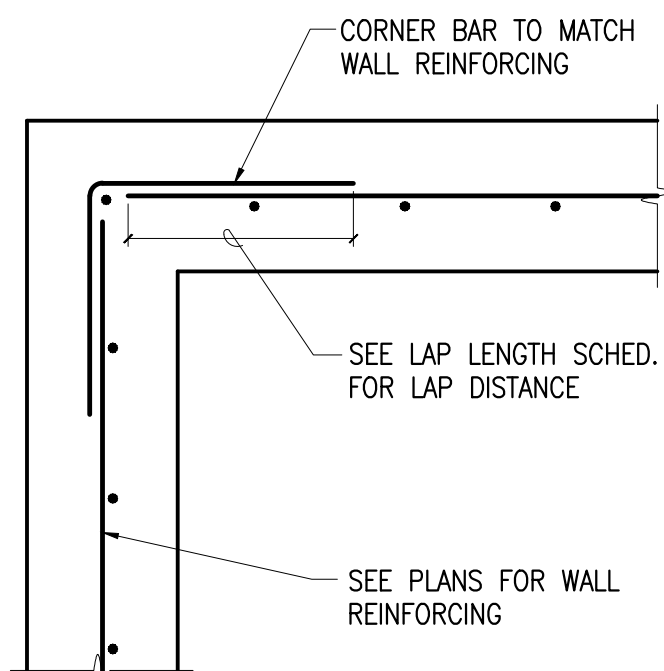


135° HOOK

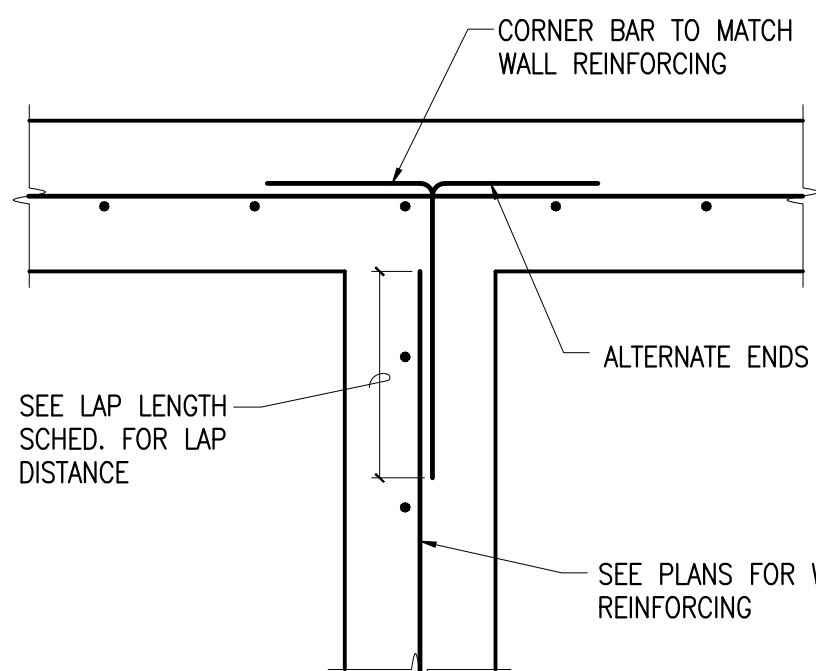
STIRRUP & TIE HOOK SCHEDULE				
BAR SIZE	D IN. [MM]	90° HOOK A OR G IN. [MM]	135° HOOK A OR G IN. [MM]	
#3	1 1/2 [38]	4 [102]	4 [102]	
#4	2 [51]	4 1/2 [114]	4 1/2 [114]	
#5	2 1/2 [64]	6 [152]	5 1/2 [140]	

D=INSIDE DIAMETER OF BEND

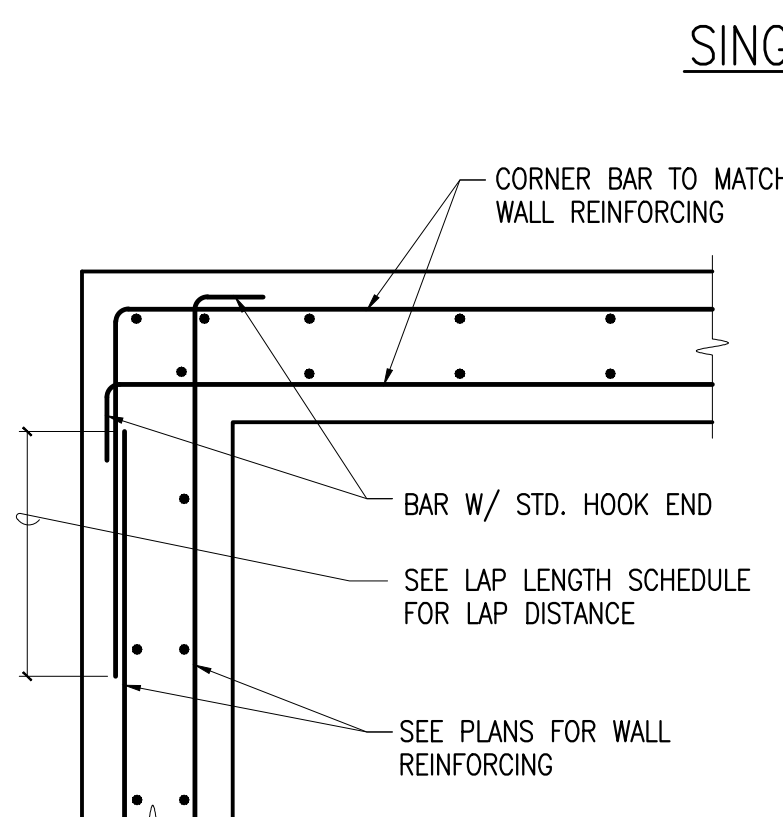
TYPICAL STIRRUPS AND TIES



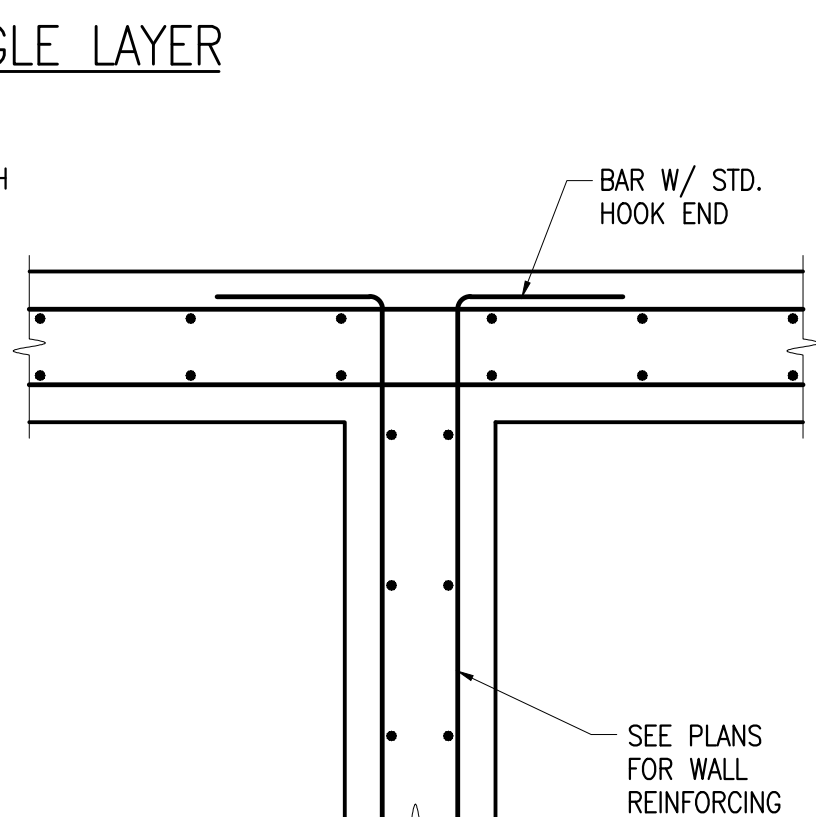
WALL CORNER



WALL INTERSECTION



WALL CORNER



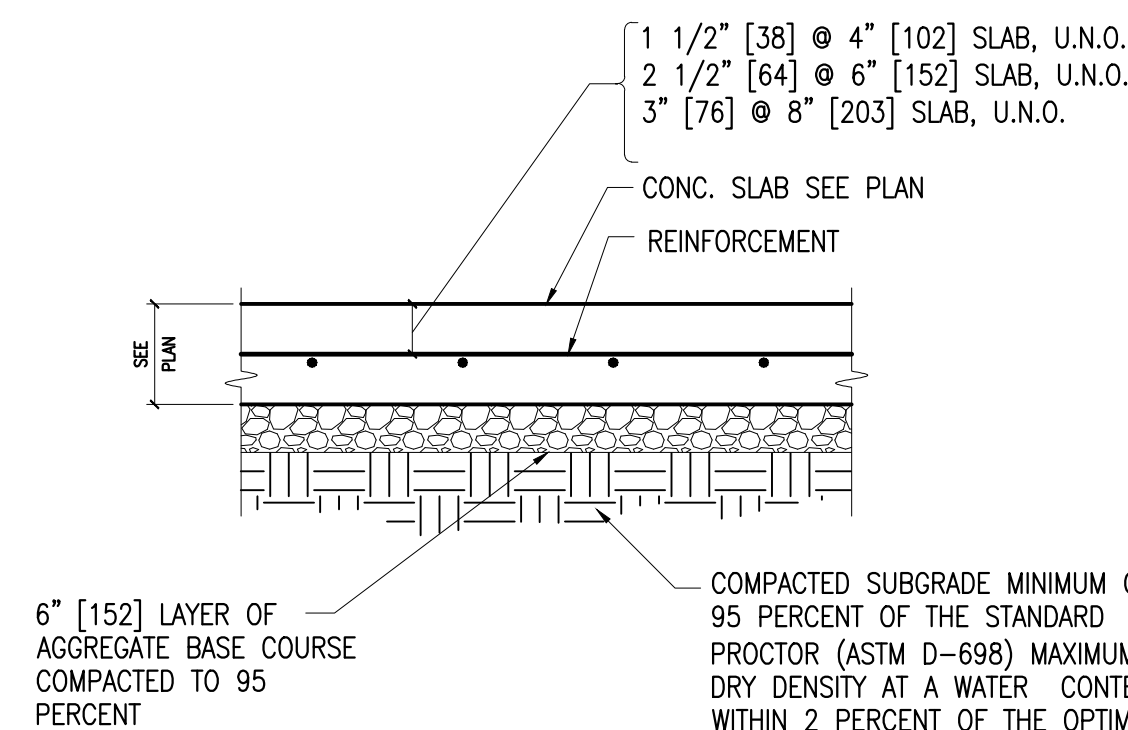
WALL INTERSECTION

DOUBLE LAYER

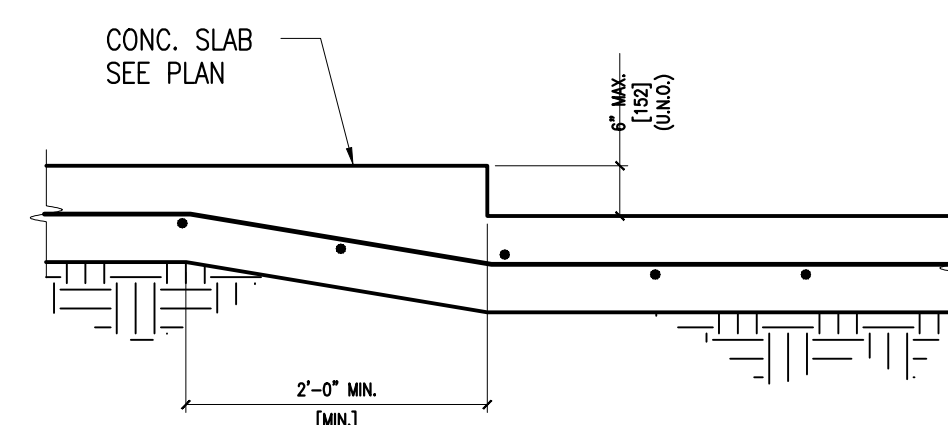
TYPICAL CONCRETE WALL REINFORCING DETAILS

BAR SIZE	LAP LENGTH SCHEDULE				
	LOCATION				
	SLABS IN. [MM]	SLABS THICKER THAN 15" [380] AND BEAMS BOT. REINF. IN. [MM]	TOP REINF. IN. [MM]	WALLS IN. [MM]	COLUMNS IN. [MM]
3	16 [406]	16 [406]	17 [432]	16 [406]	16 [406]
4	20 [508]	20 [508]	23 [584]	20 [508]	20 [508]
5	25 [635]	25 [635]	28 [711]	25 [635]	25 [635]
6	30 [762]	30 [762]	34 [864]	30 [762]	30 [762]
7	43 [1092]	43 [1092]	55 [1397]	43 [1092]	43 [1092]
8	54 [1372]	54 [1372]	70 [1778]	54 [1372]	54 [1372]
11	97 [2464]	107 [2718]	139 [3531]	97 [2464]	97 [2464]

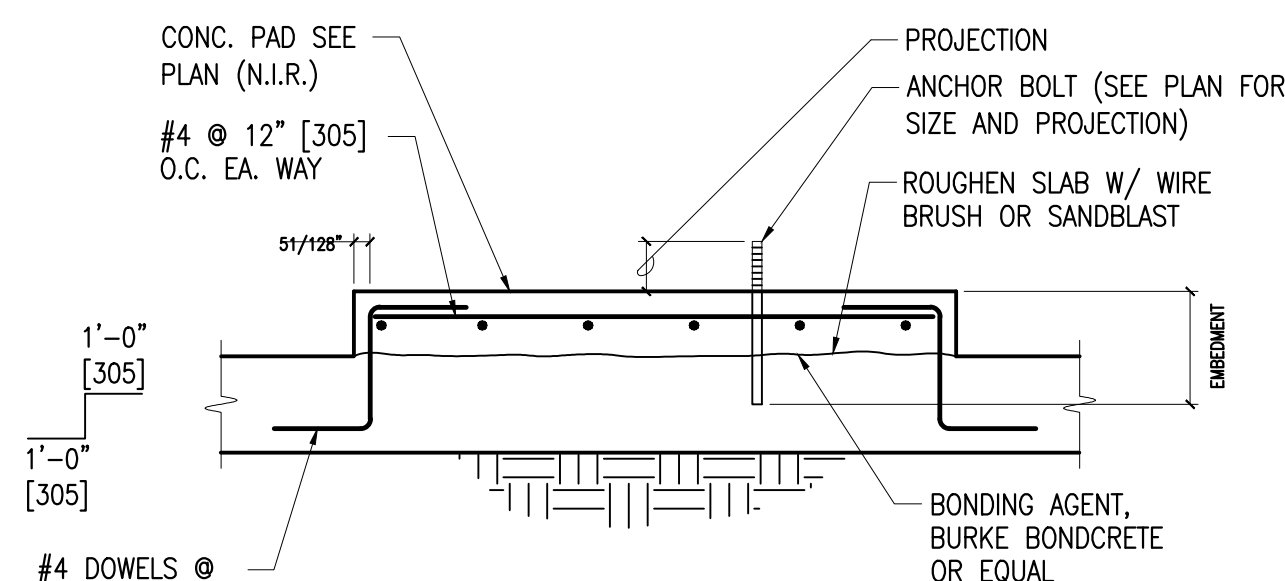
NOTE: LAP SPlice DISTANCES NOT SHOWN ON DRAWINGS SHALL BE LAPPED AS A MINIMUM THE DISTANCES SHOWN ABOVE.



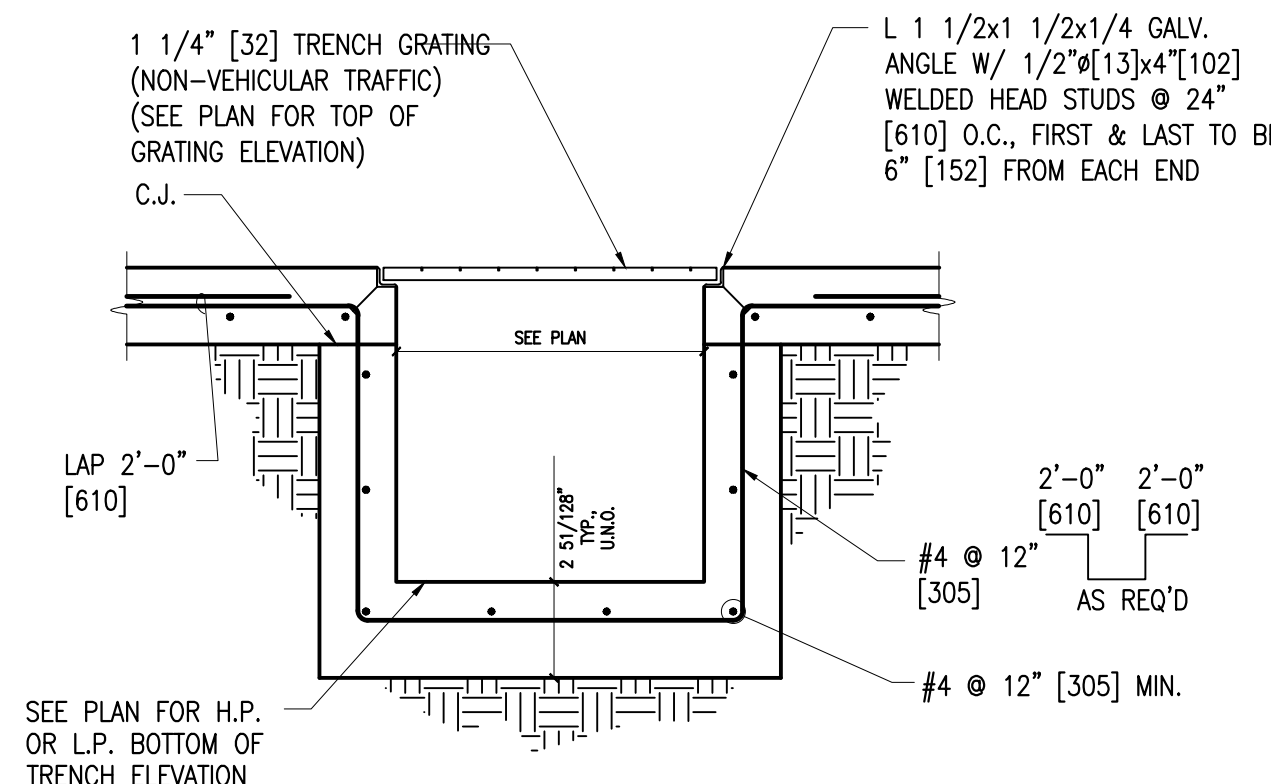
TYPICAL SLAB ON GRADE



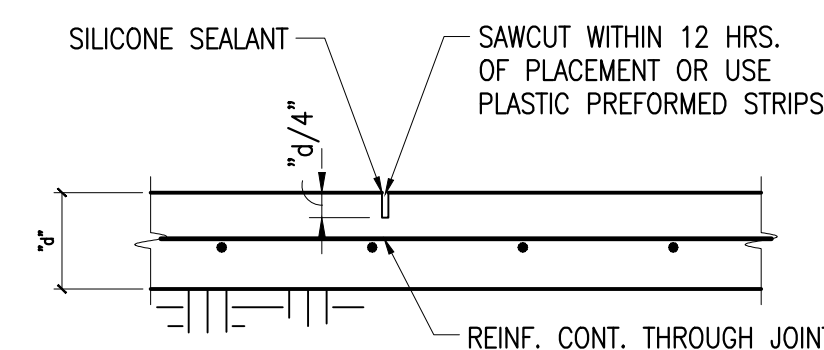
TYPICAL DEPRESSED SLAB ON GRADE



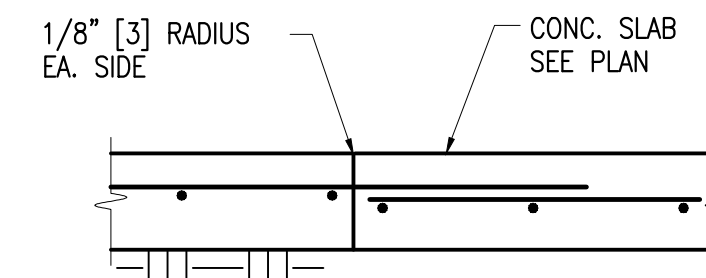
TYPICAL EQUIPMENT PAD DETAIL



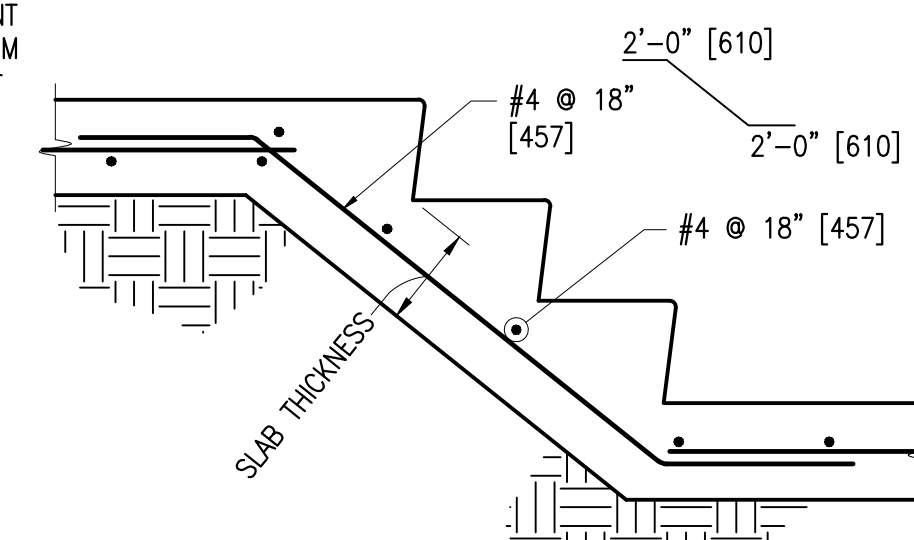
TYPICAL INTERIOR FLOOR TRENCH DETAIL (U.N.O.)



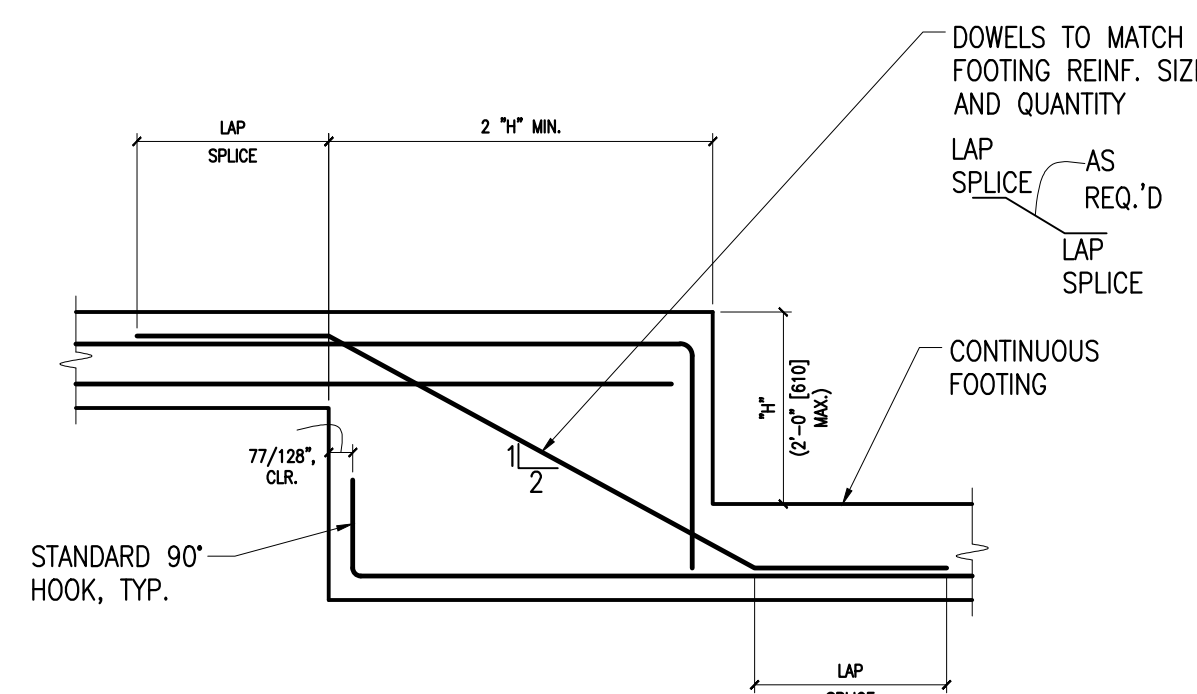
CONTROL JOINT (C.J.)



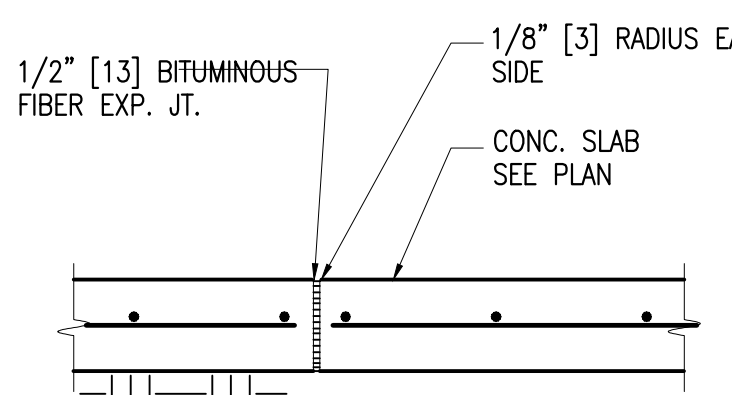
TYPICAL CONSTRUCTION JOINT (C.J.)



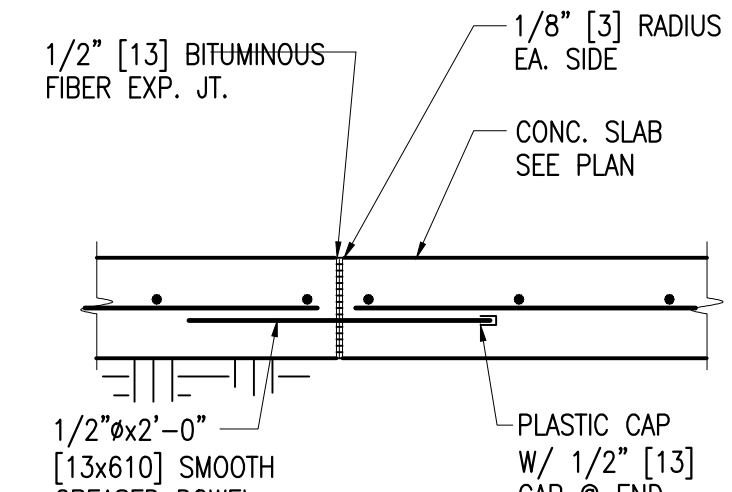
STEPS ON GRADE



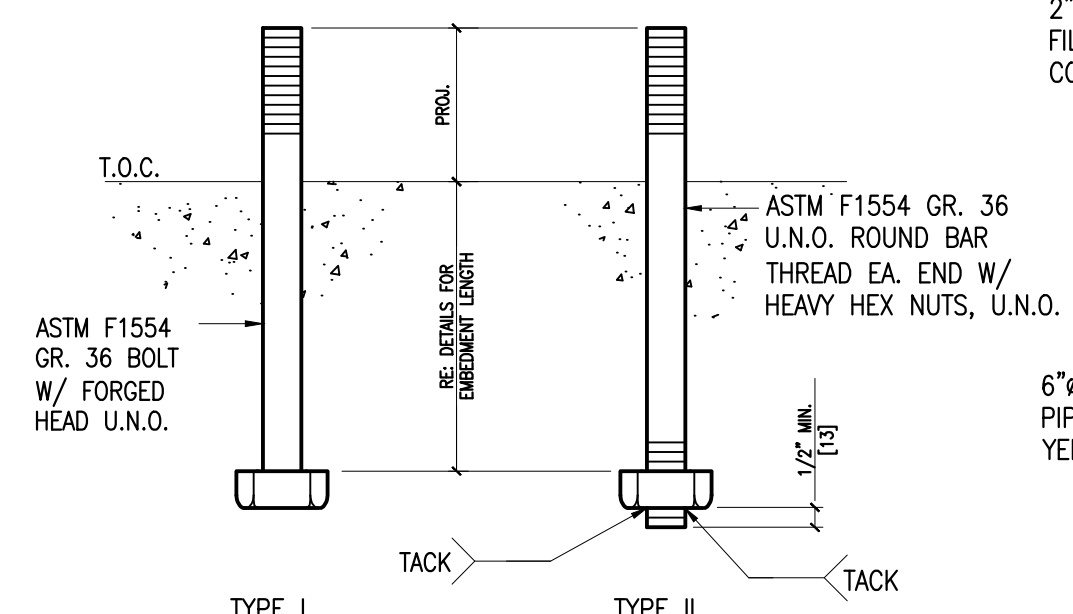
STEPPED FOOTING ON GRADE DETAIL



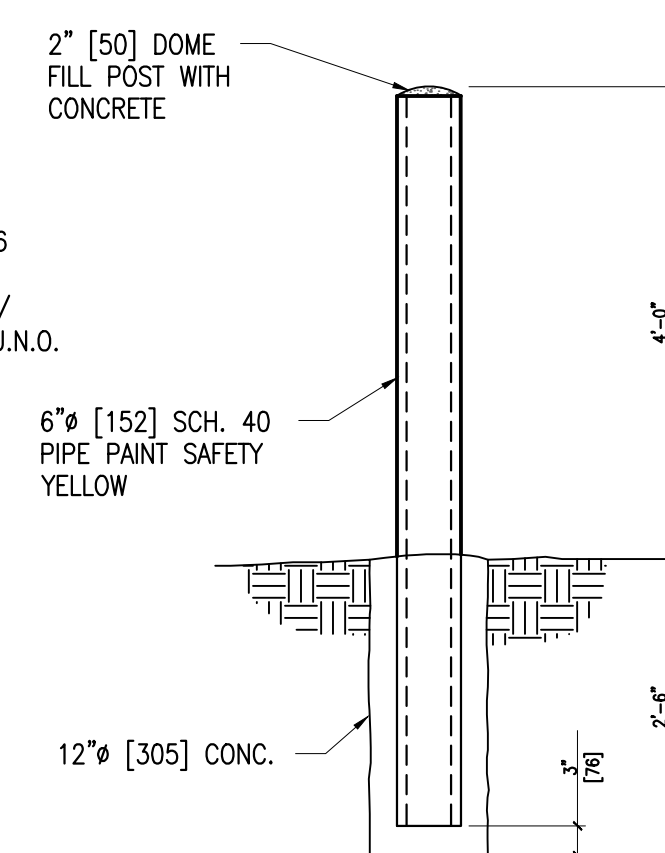
TYPICAL ISOLATION JOINT (I.J.)



TYPICAL EXPANSION JOINT (E.J.)



TYPICAL ANCHOR BOLT DETAIL



TYPICAL GUARD POST DETAIL (GP)



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GUARENAS I POWER PLANT

GUARENAS	DWG NO.	SH NO.	REV
JOB NO. 0920	00-004	2	0

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