

LAP SPLICE LENGTH SCHEDULE: CLASS B										
F'C (PSI)	BAR SIZE (GR 60)	#3	#4	#5	#6	#7	#8	#9	#10	#11
	BAR DIAMETER (IN)	0.375	0.500	0.625	0.750	0.875	1.000	1.128	1.270	1.410
5,000	TOP BAR	22	29	36	43	63	72	81	92	102
	OTHER	17	23	28	34	49	56	63	70	78
CLASS A LAP LENGTH SCHEDULE: DIVIDE SCHEDULE VALUES BY 1.3										

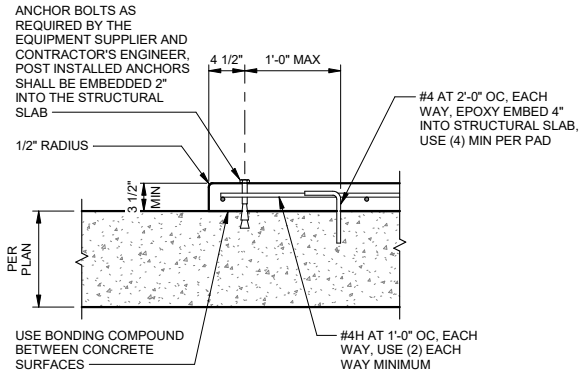
- NOTES:
- SCHEDULE VALUES ARE VALID FOR NORMAL WEIGHT CONCRETE WITH REBAR LAYOUTS MEETING THE REQUIREMENTS OF EITHER A, B, OR C:
 - CLEAR SPACING AND CLEAR COVER OF BARS BEING DEVELOPED OR LAP SPliced IS NOT LESS THAN (1) BAR DIAMETER AND WITHIN STIRRUPS OR TIES THROUGHOUT.
 - CLEAR SPACING OF BARS BEING DEVELOPED OR LAP SPliced IS AT LEAST (2) BAR DIAMETERS AND CLEAR COVER IS AT LEAST (1) BAR DIAMETER.
 - LAP SPLICE LENGTHS ARE INCREASED BY 1.5.
 - TOP BAR REFERS TO HORIZONTAL REINFORCEMENT WITH MORE THAN 1'-0" OF FRESH CONCRETE PLACED BELOW THE BAR.
 - OTHER REFERS TO ALL OTHER CONDITIONS NOT DEFINED AS TOP BARS.

1

TYPICAL LAP SPLICE SCHEDULE

S-101

SCALE: 12" = 1'-0"



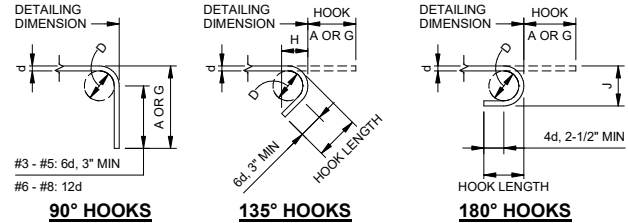
- NOTES:
- CONTRACTOR TO COORDINATE QUANTITY, SIZE, AND LOCATIONS REQUIRED WITH MECHANICAL AND ELECTRICAL DRAWINGS.

4

TYPICAL HOUSEKEEPING PAD

S-101

SCALE: 1" = 1'-0"



BEND DIMENSION SCHEDULE										
BAR SIZE	90° HOOKS		135° HOOKS				180° HOOKS			
	D	A OR G	D	A OR G	H	HOOK LENGTH	D	A OR G	J	HOOK LENGTH
#3	2"	4-1/2"	2"	4-1/2"	2-3/4"	4-1/4"	2"	5"	2-3/4"	3-3/4"
#4	2-1/2"	4-3/4"	2-1/2"	5"	3"	4-3/4"	2-1/2"	5-1/2"	3-1/2"	4-1/4"
#5	3-1/4"	6"	3-1/4"	6"	3-3/4"	6"	3-1/4"	6-1/2"	4-1/2"	4-3/4"
#6	4-1/2"	1'-0"	4-1/2"	8"	4-1/2"	7-3/4"	4-1/2"	8-1/4"	6"	6"
#7	5-1/4"	1'-2"	5-1/4"	9"	5-1/4"	8-3/4"	5-1/4"	9-3/4"	7"	7"
#8	6"	1'-4"	6"	10-1/2"	6"	10"	6"	11"	8"	8"

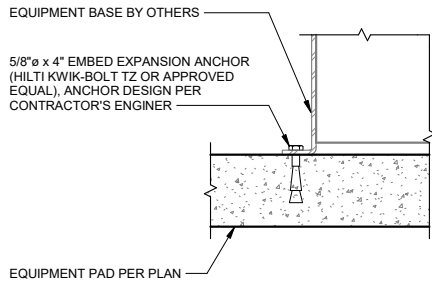
D = FINISHED INSIDE BEND DIAMETER (INCLUDES SPRING BACK), d = BAR DIAMETER, ACI 318 MINIMUM BEND DIAMETER: #3 - #5: 4d (5d USED IN TABLE), #6 - #8: 6d

2

TYPICAL STANDARD HOOK DIMENSIONS

S-101

SCALE: 1" = 1'-0"

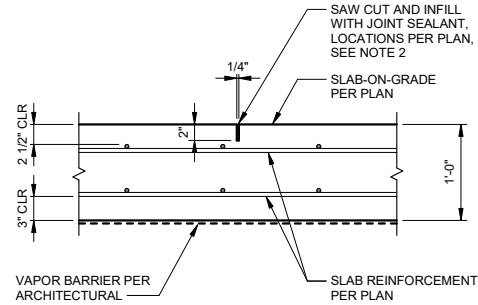


5

TYPICAL EQUIPMENT HOLDOWN

S-101

SCALE: 1 1/2" = 1'-0"



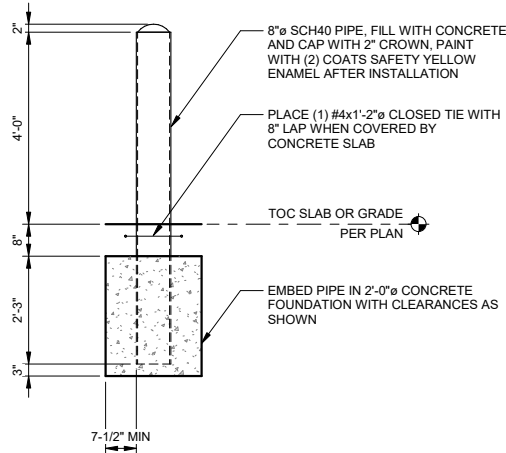
- NOTES:
- SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT WITHOUT EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT.
 - PRE-MOLDED JOINT MATERIAL MAY BE SUBSTITUTED FOR SAW CUT.

3

TYPICAL CONTROL JOINT AT 1'-0" SLAB

S-101

SCALE: 1" = 1'-0"



6

TYPICAL BOLLARD

S-101

SCALE: 1/2" = 1'-0"

CONSULTANT :



Juneau, AK
9103 Mendocino Mall Rd, Ste 4
Juneau, AK 99801
Phone: 907.780.6060
www.respec.com
AECC163270

RESPEC

PROJECT :

CITY & BOROUGH OF YAKUTAT
WATER SYSTEM EXTENSION

YAKUTAT, ALASKA

SHEET TITLE :

TYPICAL DETAILS

DESIGN JCL / ZJM
DRAWN DJM
CHECKED JEH
DATE 04-16-2025

PROJECT No.
10297.24002
SHEET NUMBER

S-101

No.	Date	Item
REVISIONS		