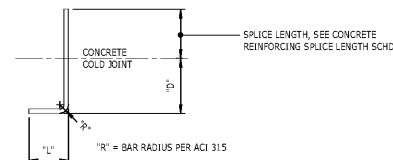
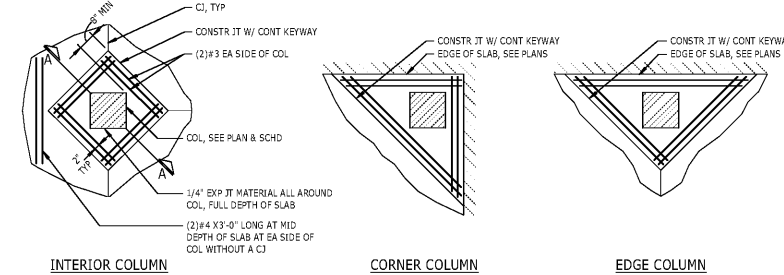


BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		$f_c = 3,000$ PSI	$f_c = 4,000$ PSI	$f_c = 5,000$ PSI
#3	5"	5"	5"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"



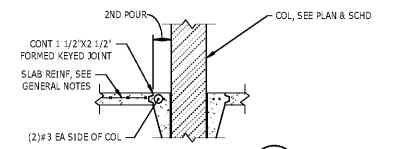
13 DETAIL
S301 EMBEDMENT DOWEL LENGTH SCHEDULE
3/4" = 1'-0"

- NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

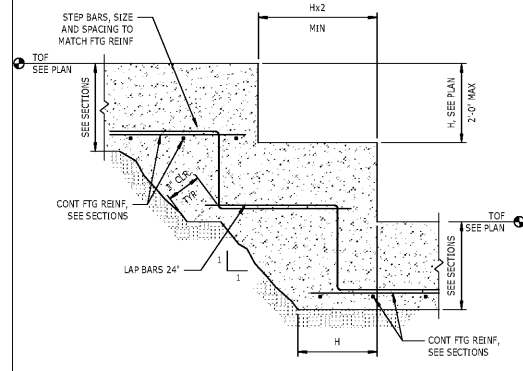


INTERIOR COLUMN CORNER COLUMN EDGE COLUMN

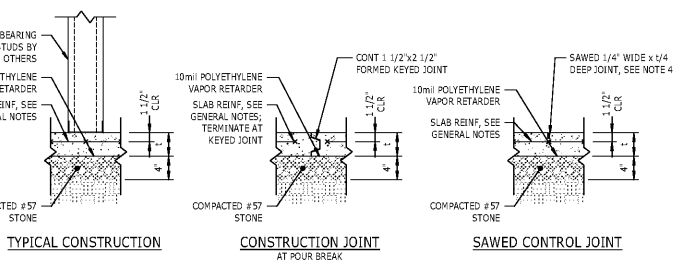
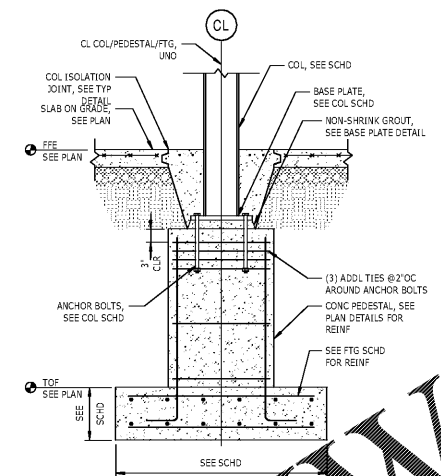
14 DETAIL
S301 TYPICAL COLUMN ISOLATION JOINTS
1/2" = 1'-0"



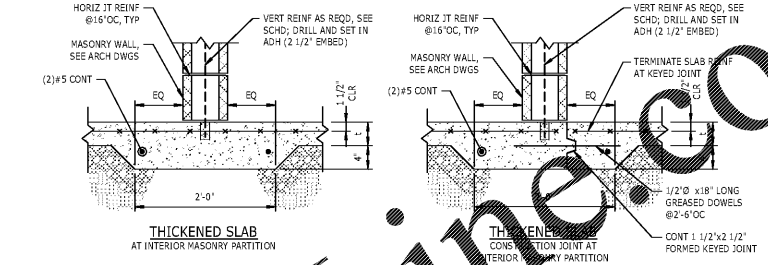
SECTION A-A



9 TYPICAL STEP IN FOOTING
S301 3/4" = 1'-0"



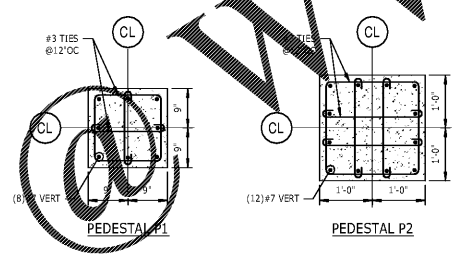
TYPICAL CONSTRUCTION CONSTRUCTION JOINT AT POUR BREAK SAWED CONTROL JOINT



THICKENED SLAB AT INTERIOR MASONRY PARTITION THICKENED SLAB AT INTERIOR MASONRY PARTITION

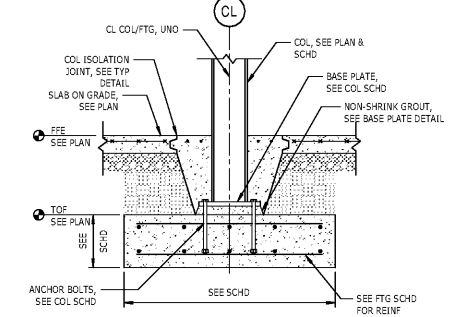
1 TYPICAL SLAB ON GRADE
S301 3/4" = 1'-0"

- NOTES:
1. '1' DENOTES SLAB THICKNESS. SEE PLANS.
2. LOCATION OF SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
3. SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
4. SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.



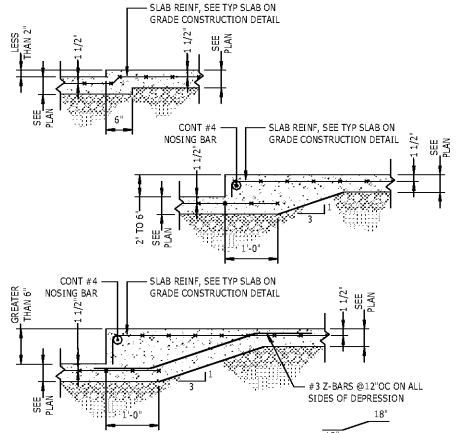
10 DETAIL
S301 TYPICAL SPREAD FOOTING AT STEEL COLUMN WITH PEDESTAL
3/4" = 1'-0"

- NOTES:
1. COAT BASE PLATE, ANCHOR BOLTS, AND COLUMN BELOW SLAB ON GRADE WITH AN APPROVED ASPHALT PAINT.
2. PROVIDE STANDARD ACI 90° HOOK AT BOTTOM END OF ALL VERTICAL BARS IN PEDESTAL.

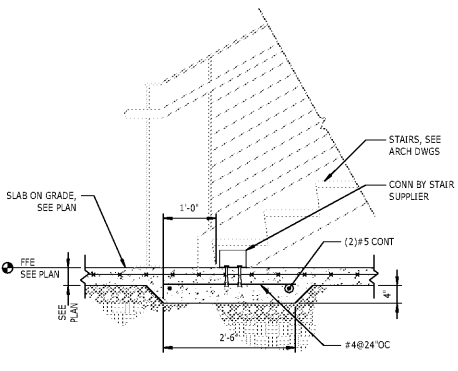


7 TYPICAL SPREAD FOOTING AT STEEL COLUMN
S301 3/4" = 1'-0"

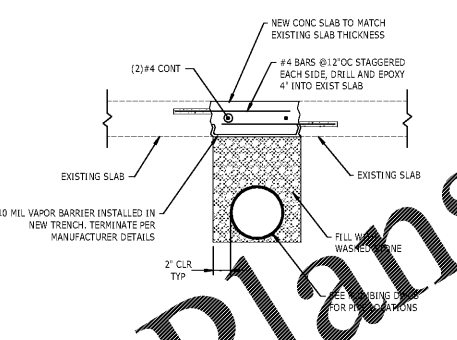
- NOTES:
1. COAT BASE PLATE, ANCHOR BOLTS, AND COLUMN BELOW SLAB ON GRADE WITH AN APPROVED ASPHALT PAINT.



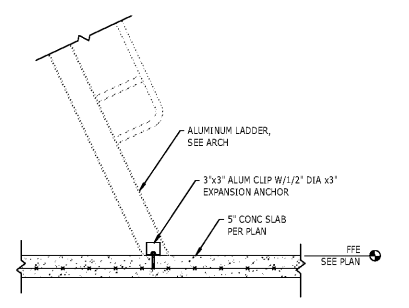
3 TYPICAL DEPRESSION IN SLAB ON GRADE
S301 3/4" = 1'-0"



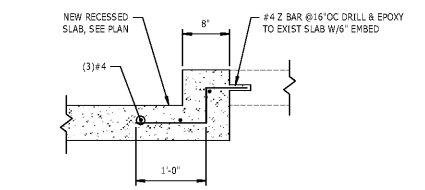
19 TYPICAL THICKENED SLAB AT STAIR STRINGER
S301 3/4" = 1'-0"



15 DETAIL
S301 TYPICAL SAW CUT FOR PLUMBING
1/2" = 1'-0"



16 SECTION
S301 3/4" = 1'-0"



12 SECTION
S301 1" = 1'-0"

CONCRETE REINFORCING SPLICES			
BAR SIZE	$f_c = 3,000$ PSI	$f_c = 4,000$ PSI	$f_c = 5,000$ PSI
#3	1'-10"	1'-7"	1'-5"
#4	2'-4"	2'-1"	1'-10"
#5	3'-0"	2'-7"	2'-4"
#6	3'-7"	3'-1"	2'-9"
#7	5'-2"	4'-6"	4'-1"
#8	5'-11"	5'-2"	4'-8"
#9	6'-6"	5'-10"	5'-3"
#10	7'-6"	6'-6"	5'-10"
#11	8'-4"	7'-3"	6'-6"

8 SCHEDULE
S301 CONCRETE REINFORCING SPLICE SCHEDULE
3/4" = 1'-0"

- NOTES:
1. FOR CLASS B LAP SPLICE, SPLICE LENGTH = 1.3 x DEVELOPMENT LENGTH.
2. APPLIES TO BOTTOM BARS ONLY (LESS THAN 12" OF FRESH CONCRETE BELOW BAR).
3. APPLIES WHERE THE CLEAR COVER IS GREATER THAN THE BAR DIAMETER.
4. WHEN MORE THAN 12" OF FRESH CONCRETE BELOW SPLICE, THEN INCREASE SPLICE TO 1.3 x SPLICE LENGTH.

MARK	FOOTING SCHEDULE			REINFORCEMENT (EACH WAY)	
	WIDTH	LENGTH	DEPTH	TOP	BOTTOM
F4	4'-0"	4'-0"	1'-0"	NA	(5)#5
F4#6	4'-0"	6'-0"	1'-0"	NA	(4)#5 LONG BARS, (7)#5 SHORT BARS
F5	5'-0"	5'-0"	1'-0"	NA	(6)#5
F6	6'-0"	6'-0"	1'-3"	NA	(7)#5
F6#9	6'-0"	6'-0"	2'-4"	(7)#7 EA WAY	(7)#7 EA WAY
F7	7'-0"	7'-0"	1'-6"	NA	(8)#6 EA WAY
F8	8'-0"	8'-0"	1'-6"	(9)#6	(9)#6

4 SPREAD FOOTING SCHEDULE
S301 3/4" = 1'-0"

Order Plans



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F 704.334.7925
FIRM LICENSE #C-10513
S19897

RENOVATION AND ADDITION FOR
ABERDEEN POLICE DEPARTMENT

804 N. Sandhills Blvd.
Aberdeen, NC 28315



CONCRETE FOUNDATION DETAILS

DATE: 10.25.19
PROJECT NO: 18062

REVISIONS
NO. DATE DESCRIPTION:

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