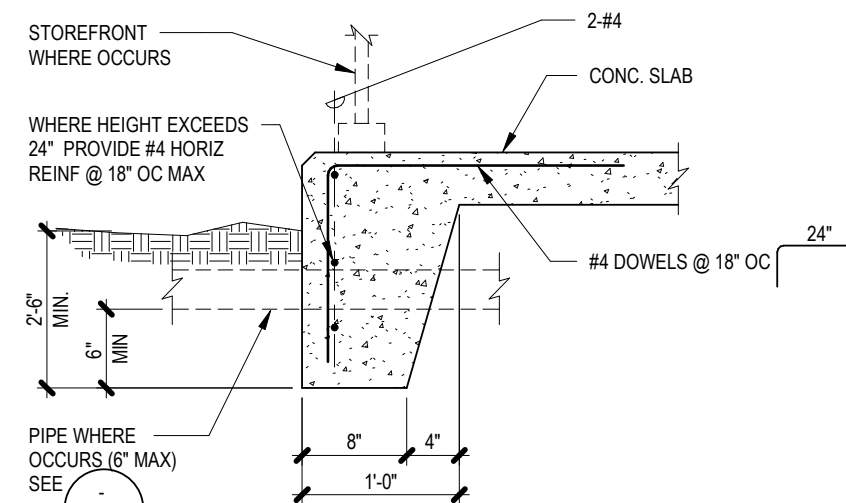


TYPICAL SLAB ON GRADE DEPRESSION (11)

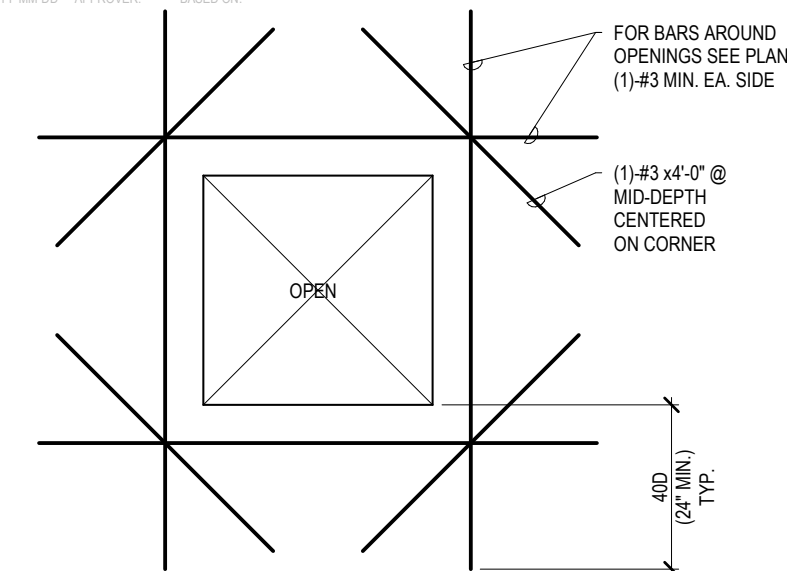
GRADE 60 REINFORCEMENT														
CONC. FC=3000 PSI					CONC. FC=4000 PSI					CONC. FC=5000 PSI				
BAR SIZE	SPRUCE		DEVELOPMENT		BAR SIZE	SPRUCE		DEVELOPMENT		BAR SIZE	SPRUCE		DEVELOPMENT	
	TOP	OTHER	TOP	OTHER/HOOKED		TOP	OTHER	TOP	OTHER/HOOKED		TOP	OTHER	TOP	OTHER/HOOKED
3	29	22	22	17	3	33	20	15	10	3	22	17	17	13
4	38	29	28	22	4	45	25	20	18	4	30	23	23	17
5	47	36	38	28	5	52	31	24	21	5	38	29	29	21
6	56	43	43	33	6	68	38	38	29	6	46	34	34	26
7	62	63	63	46	7	70	55	55	42	7	64	49	49	38
8	74	72	72	56	8	80	62	62	48	8	76	59	59	45
9	85	81	81	62	9	91	70	70	54	9	82	63	63	48
10	118	91	91	70	10	113	79	79	61	10	102	71	71	54
12	131	101	101	78	12	127	87	87	67	12	114	82	82	63

- | | | |
|--------|--|--|
| NOTES: | <p>1. SCHEDULE VALUES FOR UNCOINED BARS BASED ON ACI 318, SECTION 26.4.2.3, 26.4.2.4 AND 26.4.3.1 FOR UNCOINED BARS.</p> <p>2. SCHEDULE VALUES FOR SPICES ARE BASED ON ACI 318, SECTION 25.5.2.1 FOR CLASS S SPICES OF UNCOINED BARS.</p> <p>3. CLEAR SPACING BETWEEN BARS BEING SPICED OR DEVELOPED SHALL BE 2 BAR DIAMETERS (MIN).</p> <p>4. CONCRETE CLEAR COVER OVER BARS BEING DEVELOPED SHALL BE 1" BAR DIAMETER (MIN).</p> <p>5. DEVELOPMENT AND SPICE LENGTHS ARE GIVEN IN INCHES.</p> | <p>6. TOP BARS ARE STRAIGHT HORIZONTAL BARS LOCATED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS PLACED BELOW.</p> <p>7. OTHER BARS ARE STRAIGHT HORIZONTAL BARS LOCATED SUCH THAT 12 INCHES OR LESS OF FRESH CONCRETE IS PLACED BELOW OR STRAIGHT VERTICAL BARS.</p> <p>8. HOOKED BARS ARE VERTICAL OR HORIZONTAL BARS TERMINATING WITH STANDARD HOOKS THAT COMPLY WITH DETAIL 2.</p> |
|--------|--|--|

GRADE 60 REBAR SPLICE AND DEVELOPMENT IN NORMAL WEIGHT CONCRETE, U.O.N.

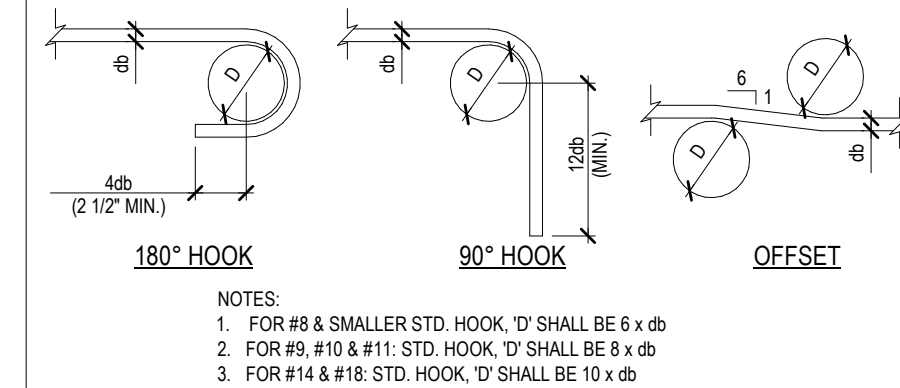


TYPICAL SLAB EDGE (12)

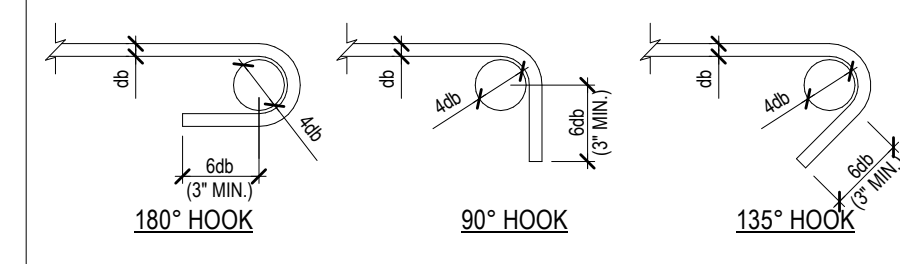


- NOTES:
1. THIS DETAIL IS APPLICABLE AT OPENINGS WHERE ANY SIDE IS GREATER THAN 1'-0".
 2. FOR OPENINGS SMALLER THAN 1'-0" BEND ALL REINFORCEMENT AROUND OPENINGS.

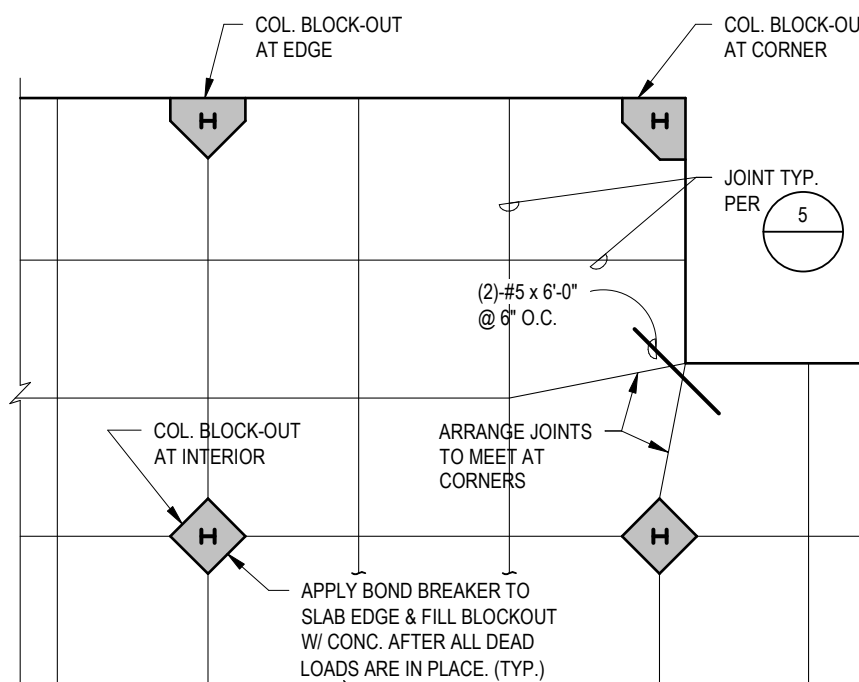
TYP. REINF. AT OPENINGS
IN CONC. SLAB ON GRADE



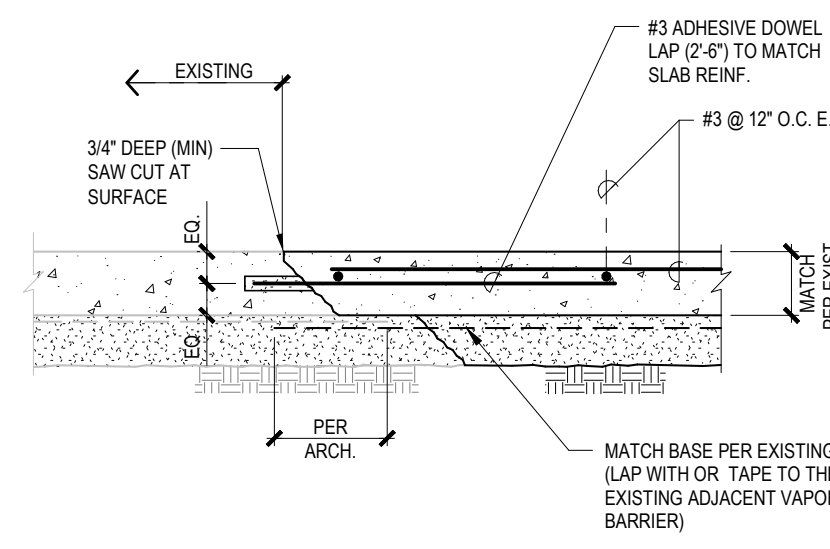
- NOTES:
1. FOR #8 & SMALLER STD. HOOK, 'D' SHALL BE 6 x d
 2. FOR #9, #10 & #11: STD. HOOK, 'D' SHALL BE 8 x d
 3. FOR #14 & #18: STD. HOOK, 'D' SHALL BE 10 x db

TYPICAL REINF.
BAR BENDS AND HOOKS

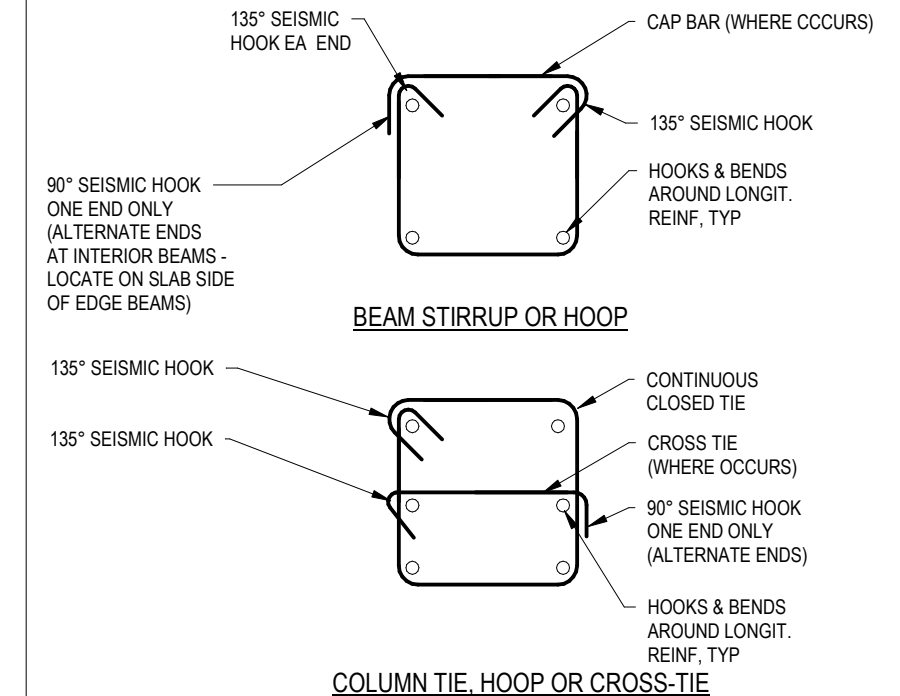
SEISMIC HOOKS (#5 AND SMALLER)



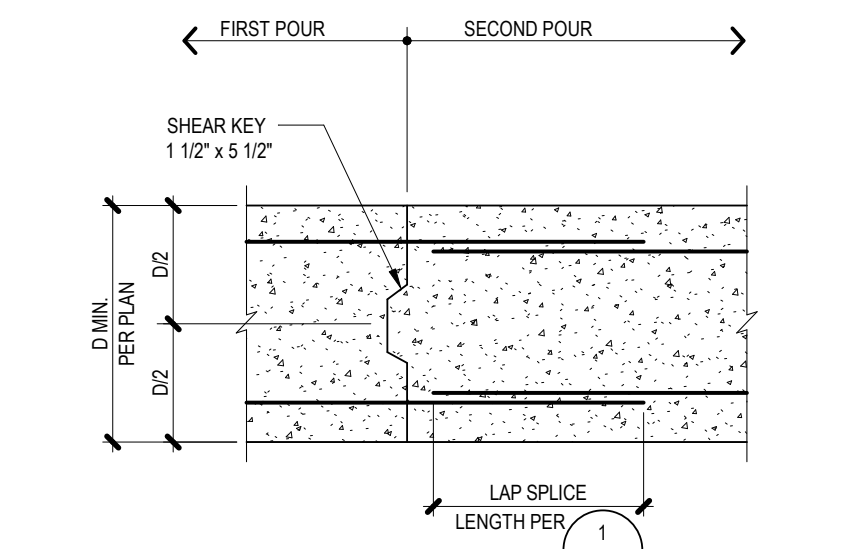
TYPICAL SLAB-ON-GRADE BLOCKOUTS & JOINTS



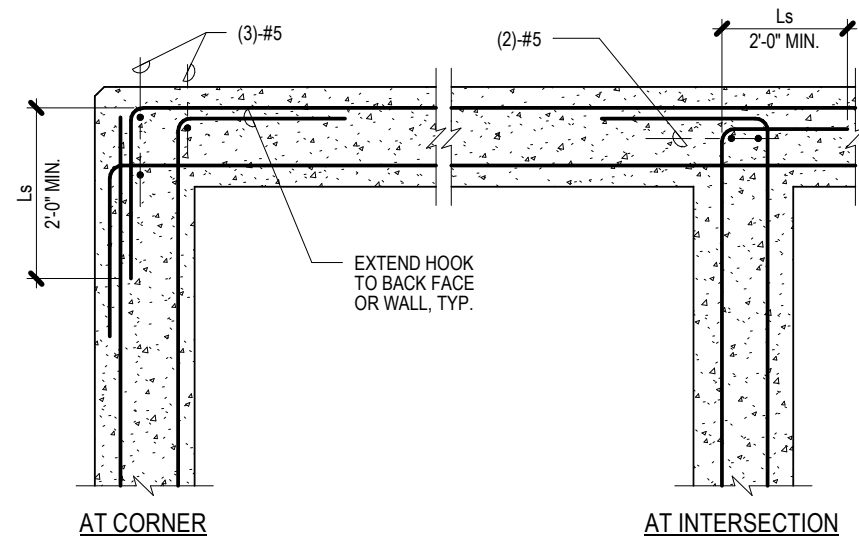
TYPICAL SLAB ON GRADE REPLACEMENT



TYPICAL STIRRUP
TIE, HOOP OR CROSS-TIE

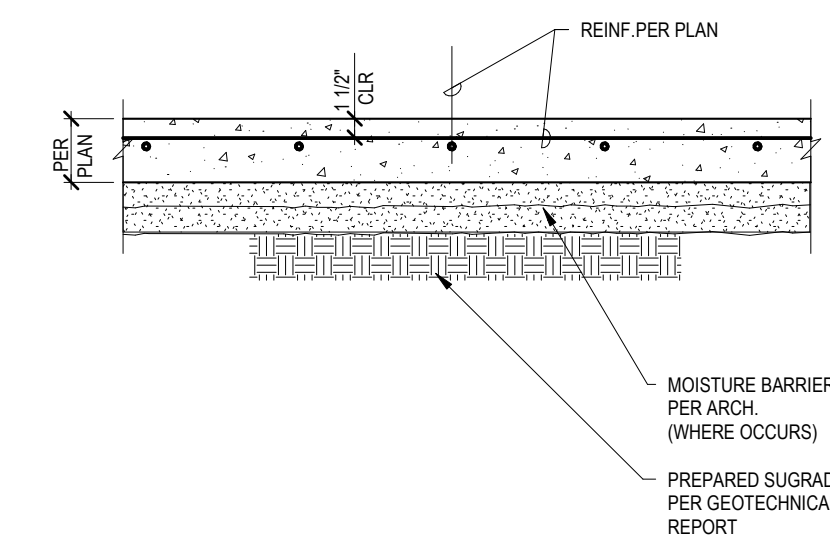


- NOTE:**
1. CONTRACTORS OPTION TO USE MECHANICAL BAR SPLICER IN LIEU OF LAP SPLICE. MECHANICAL SPLICE SHALL DEVELOP 125% OF THE SPECIFIED REBAR YIELD STRENGTH.
 2. SPLICES ARE NOT ALLOWED IN MOMENT FRAME FOOTINGS OR WHERE INELASTIC FOUNDATION DEFORMATION MAY OCCUR.

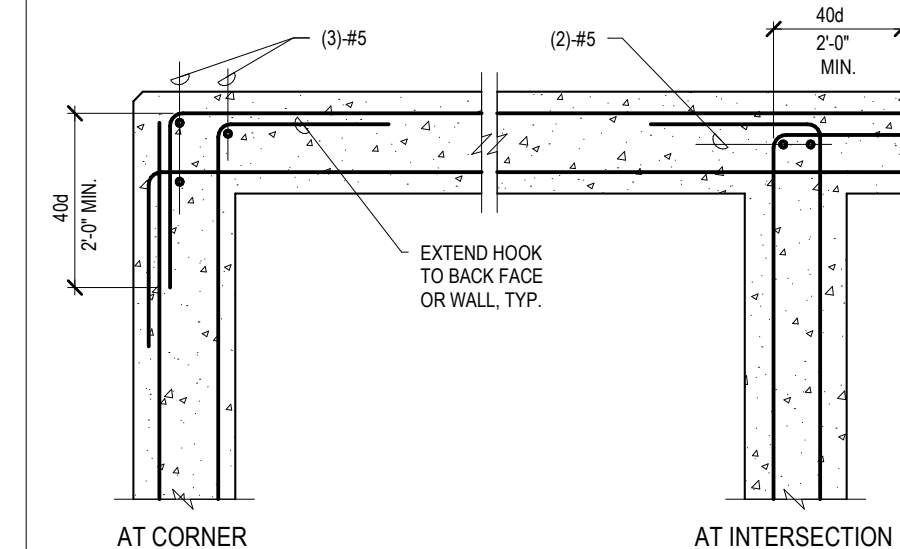
TYPICAL FOOTING CONSTRUCTION
JOINT (14)

- NOTE:**
1. WHERE SINGLE LAYER OF REINF. OCCURS, BEND REINF. AS SHOWN FOR OUTSIDE BARS.
 2. DETAIL APPLIES TO FOOTINGS, BEAMS AND CONCRETE WALLS

TYPICAL REINF. AT INTERSECTION (15)

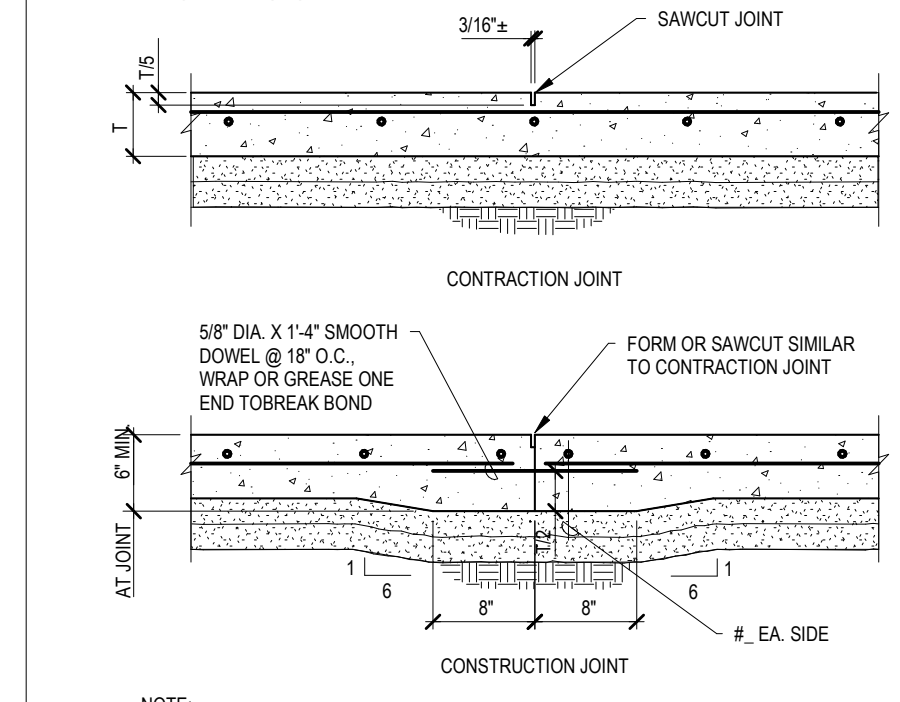


TYPICAL SLAB ON GRADE



- NOTE:
1. WHERE SINGLE LAYER OF REINF. OCCURS, BEND REINF. AS SHOWN FOR OUTSIDE BARS.
 2. DETAIL APPLIES TO FOOTINGS, BEAMS AND CONCRETE WALLS
 3. d = BAR DIAMETER

TYP. REINF. AT INTERSECTION



- NOTE:
LOCATE JOINTS TO FORM 12' x 12' MAX. PANELS

TYPICAL SLAB ON GRADE JOINTS