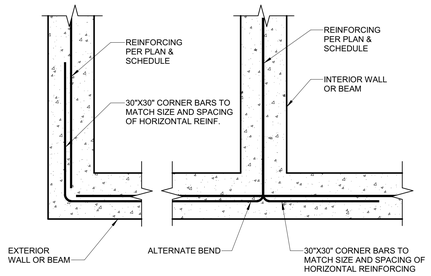
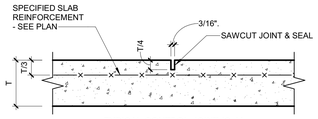


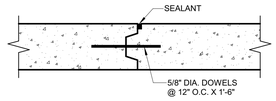
PLAN VIEW

THIS DETAIL APPLICABLE TO:
1. ALL PERIMETER FOUNDATION GRADEWALLS
2. ALL PERIMETER FOUNDATION GRADEBEAMS
3. ALL CONCRETE WALLS

1 TYPICAL CONCRETE WALL CORNER REINFORCING
SCALE: 3/4" = 1'-0"



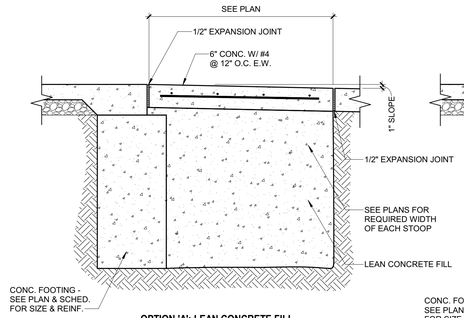
TYPICAL CONTROL JOINT (C.J.)



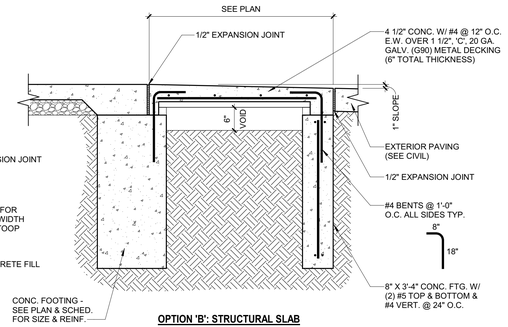
TYPICAL KEYED CONSTRUCTION JOINT

NOTES:
1. ALL FLOOR SLABS SHALL BE PLACED IN PAVING LANE PATTERN. A MAXIMUM JOINT SPACING OF 12'-0" U.N.O. AND A MAXIMUM SLAB PANEL ASPECT RATIO (LENGTH/WIDTH) OF 1.5 SHALL BE OBSERVED.
2. ALL JOINTS TERMINATING A POUR SHALL BE KEYED CONSTRUCTION JOINTS.
3. TIME SAW CUTTING OPERATION TO PRECLUDE SHRINKAGE, CRACKING AND DISLODGING OF AGGREGATE.

2 TYPICAL CONCRETE SLAB JOINT DETAILS
SCALE: 3/4" = 1'-0"



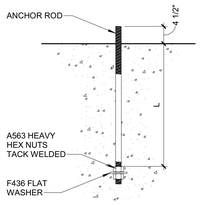
OPTION 'A': LEAN CONCRETE FILL



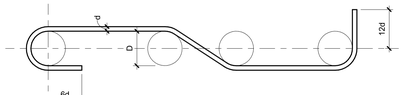
OPTION 'B': STRUCTURAL SLAB

3 TYPICAL CONCRETE STOOP DETAILS
SCALE: 3/4" = 1'-0"

DIA. (IN.)	MIN. L (IN.) U.N.O.
3/4	8
7/8	10
1	12
1 1/8	14
1 1/4	16
1 3/8	18
1 1/2	20



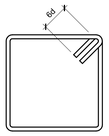
4 TYPICAL ANCHOR ROD DETAIL
SCALE: 3/4" = 1'-0"



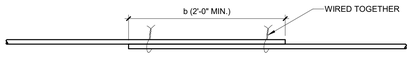
STANDARD HOOK

STANDARD BEND
D = 6d #3 THRU #7
D = 8d #8 THRU #9
D = 10d #10 THRU #11

d = BAR DIAMETER



TYPICAL CLOSED TIE



TYPICAL LAP SPLICE

TENSION BAR LAP LENGTH (b)		
(FOR LENGTH b - SEE REINF. BAR DETAIL AND KEY NOTES)		
BAR SIZE	BARS SPACED > $2d_b$	BARS SPACED < $2d_b$ (OTHER)
3	28"	42"
4	37"	56"
5	46"	70"
6	56"	83"
7	81"	122"
8	93"	139"
9	105"	157"
10	118"	176"
11	131"	196"

SPLICE LENGTH IS FOR TYPE B SPLICES PER ACI 318.
BARS ARE ASSUMED TO BE TOP BARS & NOT EPOXY COATED.
f'_c = 3,000 PSI (NORMAL WEIGHT) BAR COVER > d_b
f_y = 60,000 PSI d_b = BAR DIAMETER

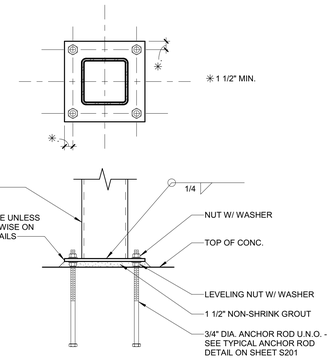
TABLE APPLIES TO CIP CONCRETE

TENSION BAR LAP LENGTH (b)		
(FOR LENGTH b - SEE REINF. BAR DETAIL AND KEY NOTES)		
BAR SIZE	ONE BAR IN CELL	TWO BARS IN CELL
3	15"	15"
4	20"	24"
5	25"	38"
6	43"	74"
7	60"	104"
8	110"	193"
9	110"	255"
10	NOT PERMITTED	NOT PERMITTED
11	NOT PERMITTED	NOT PERMITTED

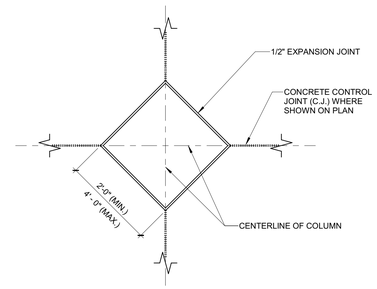
LAP LENGTHS ARE BASED ON 8" NOMINAL CMU, TYPICAL. #9 BARS ARE NOT PERMITTED IN CMU WITH A NOMINAL WIDTH OF 8" OR LESS.
#9 BAR LAP LENGTH IS BASED ON 10" NOMINAL CMU.
f'_m = 1,500 PSI f_y = 60,000 PSI

TABLE APPLIES TO GROUTED CMU

5 TYPICAL REINFORCING DETAILS
SCALE: 3/4" = 1'-0"

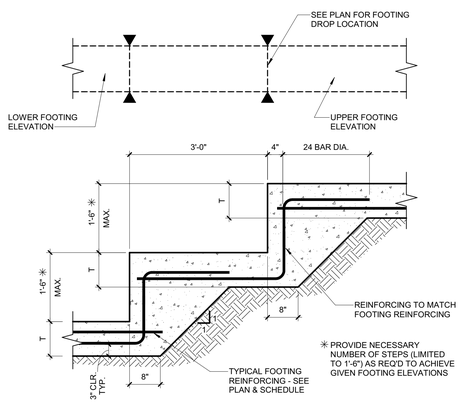


6 TYPICAL BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"

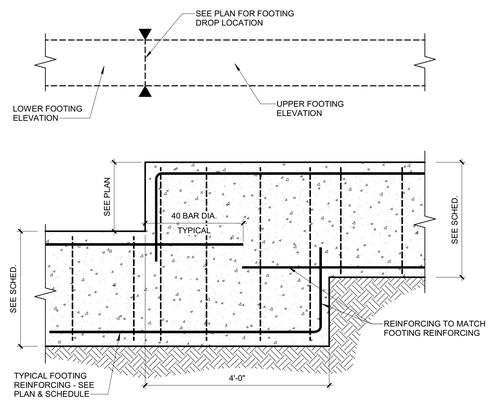


NOTES:
1. SEE TYPICAL DETAIL THIS SHEET FOR CONTROL JOINT REQUIREMENTS.
2. FOR CLARITY COLUMN OMITTED.
3. FOR CONFIGURATION OF SPECIFIC CLOSURE POURS, SEE PLAN.

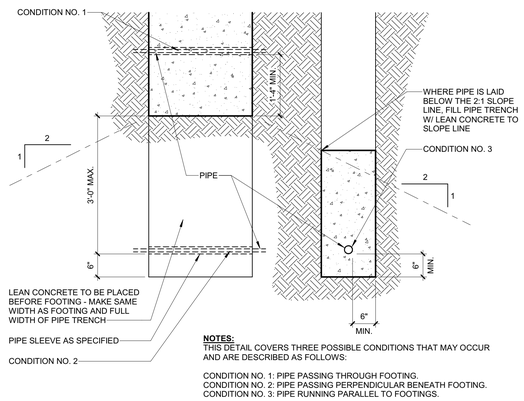
7 TYPICAL CONCRETE CLOSURE POUR DETAIL
SCALE: 3/4" = 1'-0"



8 TYPICAL CONCRETE STRIP FOOTING STEP DETAIL
SCALE: 3/4" = 1'-0"



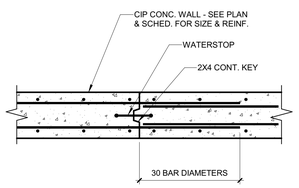
9 TYPICAL GRADE BEAM STEP DETAIL
SCALE: 3/4" = 1'-0"



NOTES:
THIS DETAIL COVERS THREE POSSIBLE CONDITIONS THAT MAY OCCUR AND ARE DESCRIBED AS FOLLOWS:

CONDITION NO. 1: PIPE PASSING THROUGH FOOTING.
CONDITION NO. 2: PIPE PASSING PERPENDICULAR BENEATH FOOTING.
CONDITION NO. 3: PIPE RUNNING PARALLEL TO FOOTINGS.

10 TYPICAL CONCRETE FOOTING AT ADJACENT UTILITIES
SCALE: 3/4" = 1'-0"



NOTE:
CONSTRUCTION JOINT TO BE LOCATED A MINIMUM OF 2'-0" FROM ANY COLUMN CENTERLINE. DO NOT ALIGN WALL C.J. WITH C.J. IN SUPPORTING MEMBER OF FLOOR/ROOF STRUCTURE.

11 TYPICAL CONCRETE WALL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"

DESIGNED:	MJN	ISSUE DATE:	11/5/2019
DRAWN:	MJN	REVISIONS:	
CHECKED:	KMW	No.: DATE: BY: DESCRIPTION:	

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TYPICAL FOUNDATION DETAILS

PROJECT NO.: 07435.002

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Project Number w/out "." for PDF numbering- 3-TYPICAL FOUNDATION DETAILS