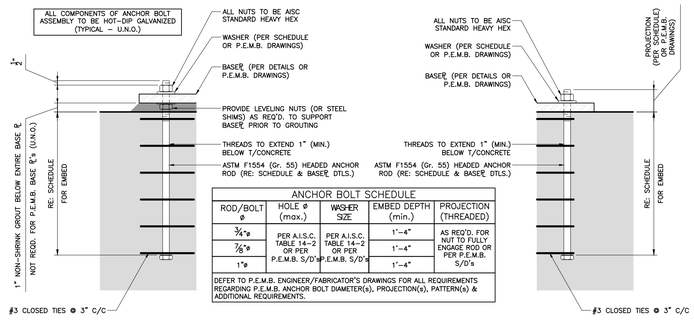
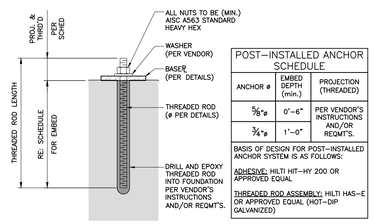


ANCHOR BOLT SCHEDULE				
ROD/BOLT ø	HOLE ø (max.)	WASHER SIZE	EMBED DEPTH (min.)	PROJECTION (THREADED)
¾"ø	PER A.I.S.C. TABLE 14-2 OR PER P.E.M.B. S/D's	PER A.I.S.C. TABLE 14-2 OR PER P.E.M.B. S/D's	1'-4"	AS REQ'D. FOR NUT TO FULLY ENGAGE ROD OR PER P.E.M.B. S/D's
⅞"ø			1'-4"	
1"ø			1'-4"	

DEFER TO P.E.M.B. ENGINEER/FABRICATOR'S DRAWINGS FOR ALL REQUIREMENTS REGARDING P.E.M.B. ANCHOR BOLT DIAMETER(s), PROJECTION(s), PATTERN(s) & ADDITIONAL REQUIREMENTS.

1 TYPICAL ANCHOR BOLT DETAILS
SCALE: N.T.S.



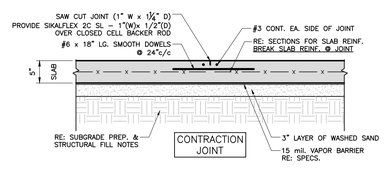
POST-INSTALLED ANCHOR SCHEDULE		
ANCHOR ø	EMBED DEPTH (min.)	PROJECTION (THREADED)
⅝"ø	0'-6"	PER VENDOR'S INSTRUCTIONS AND/OR REQMT'S.
¾"ø	1'-0"	

BASIS OF DESIGN FOR POST-INSTALLED ANCHOR SYSTEM IS AS FOLLOWS:

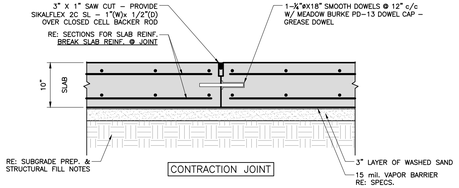
ADHESIVE: HILTI HIT-HY 200 OR APPROVED EQUAL

THREADED ROD ASSEMBLY: HILTI HAS-E OR APPROVED EQUAL (HOT-DIP GALVANIZED)

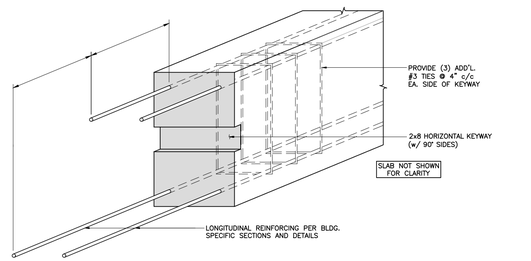
2 TYPICAL POST-INSTALLED ANCHOR DETAIL (TO BE USED ONLY WITH ENGINEER'S WRITTEN PERMISSION)
SCALE: N.T.S.



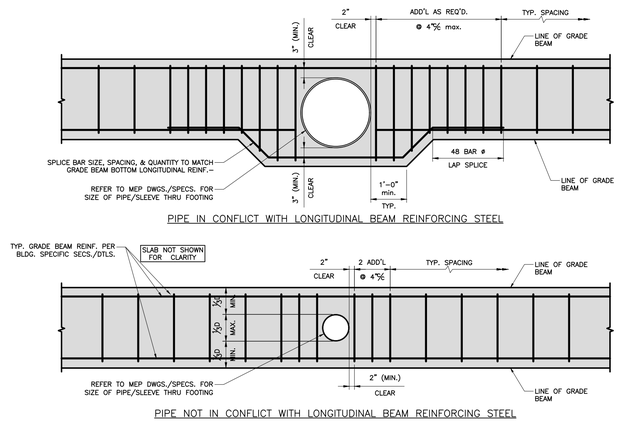
3 TYPICAL SLAB JOINT DETAILS AT PARTS AND ADMINISTRATIVE AREAS
SCALE: N.T.S.



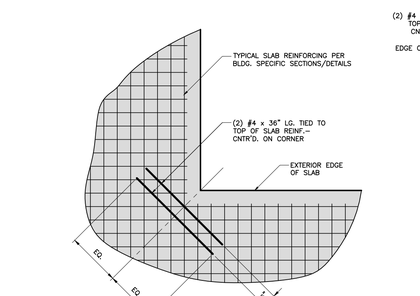
4 TYPICAL SLAB JOINT DETAILS AT SERVICE AND SHOP AREAS
SCALE: N.T.S.



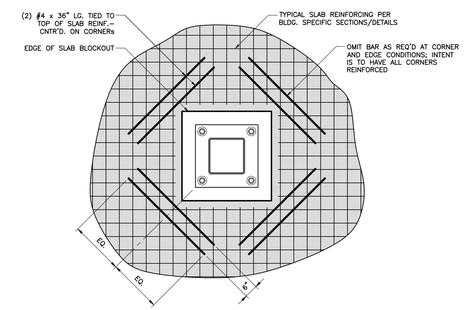
5 TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL
SCALE: N.T.S.



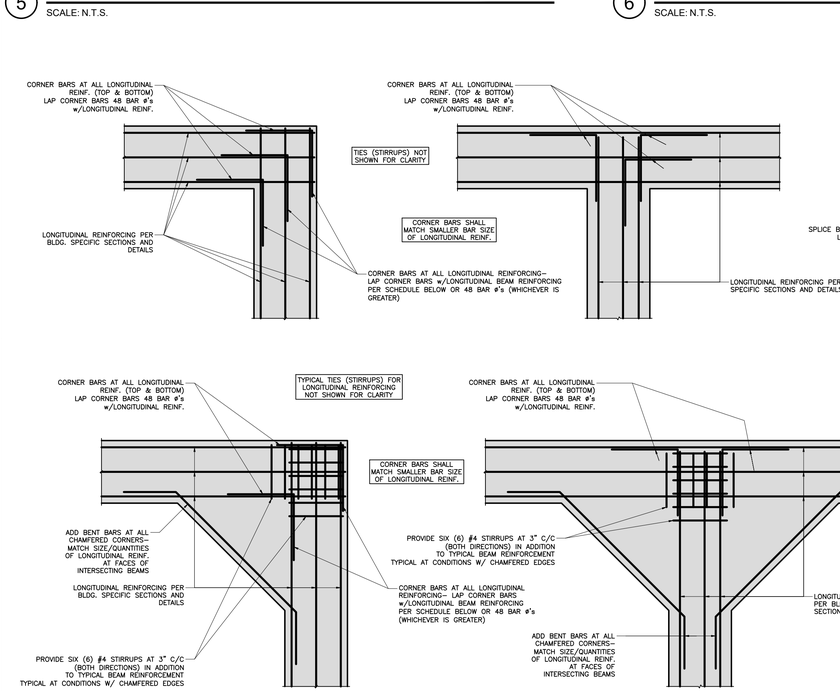
6 TYPICAL PIPE/CONDUIT PENETRATION THRU GRADE BEAM DETAIL
SCALE: N.T.S.



7 TYPICAL REINFORCING DETAIL AT INSIDE CORNER OF SLAB
SCALE: N.T.S.



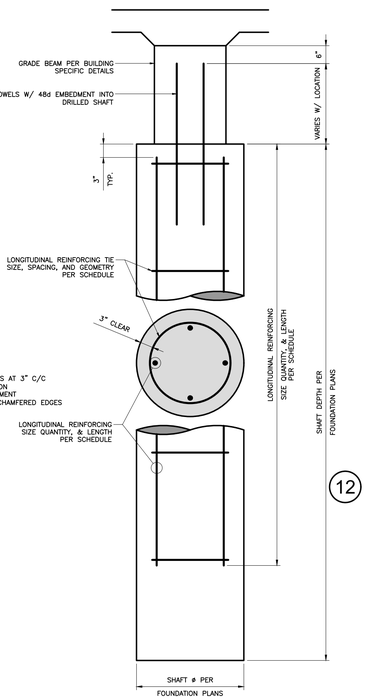
8 TYPICAL REINFORCING DETAIL AT SLAB SLAB PENETRATION/BLOCK OUT
SCALE: N.T.S.



11 TYPICAL GRADE BEAM INTERSECTION DETAILS (UPPER ROW W/O COLUMNS; LOWER ROW W/ COLUMNS)
SCALE: N.T.S.

WIDEN GRADE BEAMS AT COLUMN LOCATIONS TO PROVIDE A MINIMUM OF 3" CONCRETE COVER FOR ALL REINFORCING STEEL/ANCHOR BOLTS UNLESS CONSTRAINED BY THE EXPOSED FACES OF THE BUILDING FOUNDATIONS

CAST-IN-PLACE CONCRETE DRILLED SHAFT SCHEDULE FOR SHAFTS NOT AT BRACING LOCATIONS				
SHAFT ø	SHAFT DEPTH (FT.)	LONGITUDINAL REINF. SIZE, QTY., & LENGTH	TIE SIZE AND SPACING	TIE SHAPE
18"	10'	(4) #6 x 9'	#3 @ 12"c/c	
18"	20'	(4) #6 x 15'	(5)#3 @ 12"c/c AT TOP THEN #3 @ 24"	
24"	20'-30'	(4) #6 x 15'	#3 @ 18"c/c	
24"	>30'-40'	(4) #6 x 25'	#3 @ 18"c/c	



SHAFT DIAMETER (INCHES)
SHAFT DEPTH (FEET) BELOW BOTTOM OF GRADE BEAM

DRILLED SHAFT RE-STEEL SUBMITTAL TO BE HELD UNTIL ENGINEER'S REVIEW OF PEMB REACTIONS

12 TYPICAL CAST-IN-PLACE DRILLED SHAFT DETAIL AND SCHEDULE
SCALE: N.T.S.

DUHON + PLEASANT
CIVIL & STRUCTURAL ENGINEERS

RMG
RANDY M. GOODLOE, AIA, APAC
725 KIRBY STREET
LAKE CHARLES, LOUISIANA
OFFICE: 337.436.3036
FAX: 337.436.3773
ARCHITECT

STATE OF LOUISIANA
BEAU PLEASANT
License No. 33636
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
26.05.22

NEW CONSTRUCTION FOR
FORD PRO
MIKE WILLIS
2010 PATTON STREET, SULPHUR, LA 70665

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RMG PROJECT NO.
25012
PROJECT MANAGER
TM
DATE ISSUED
05/22/2026

SHEET NUMBER
S-101
TYPICAL FOUNDATION DETAILS AND SECTIONS

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