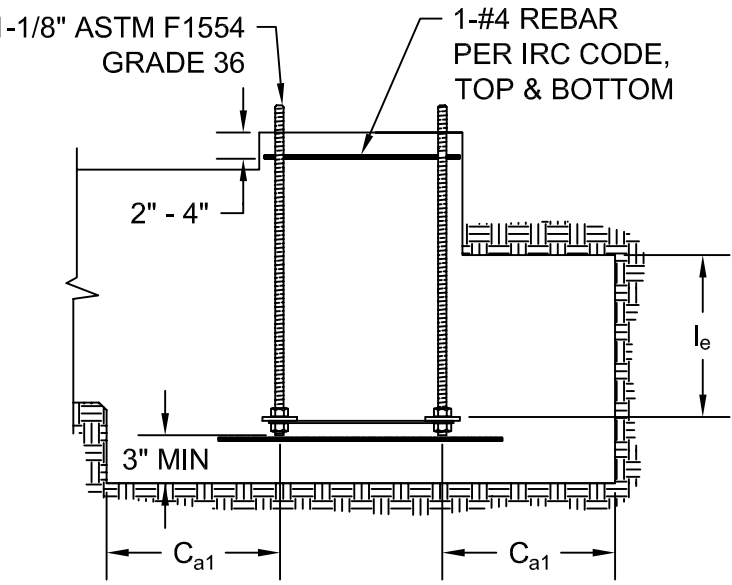
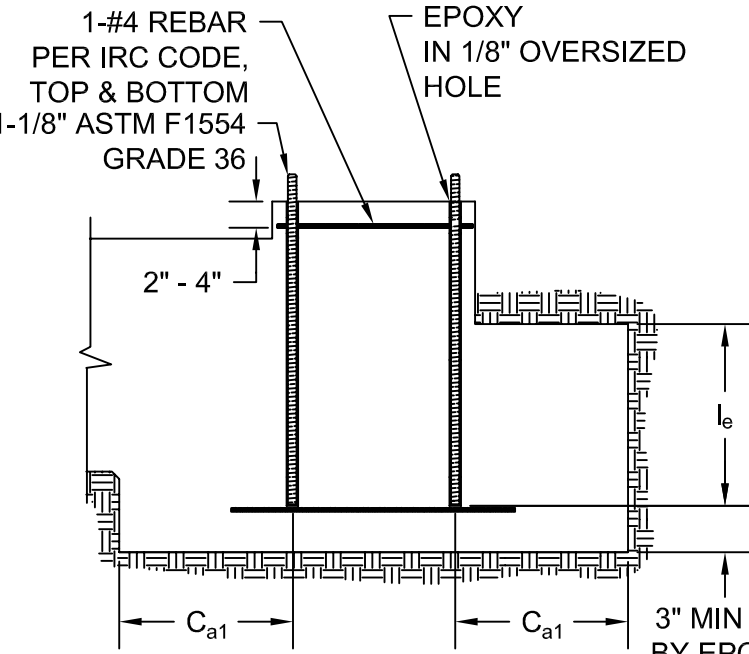


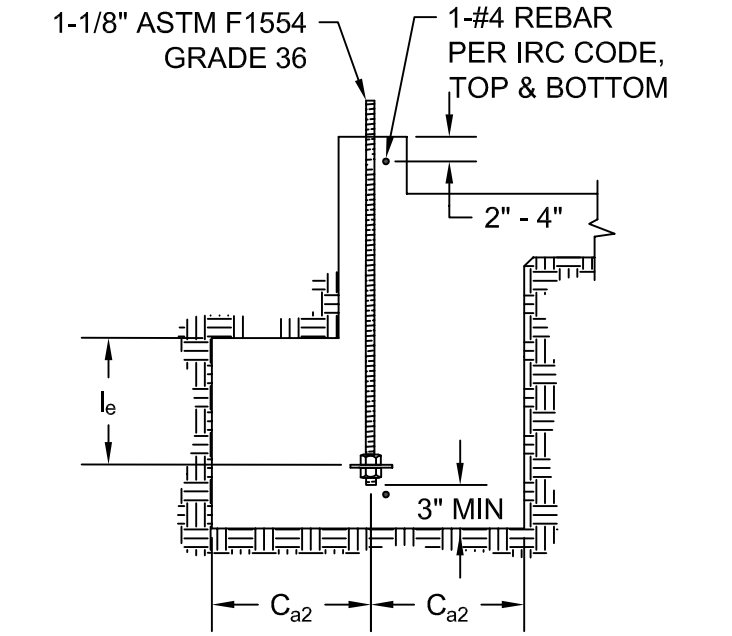
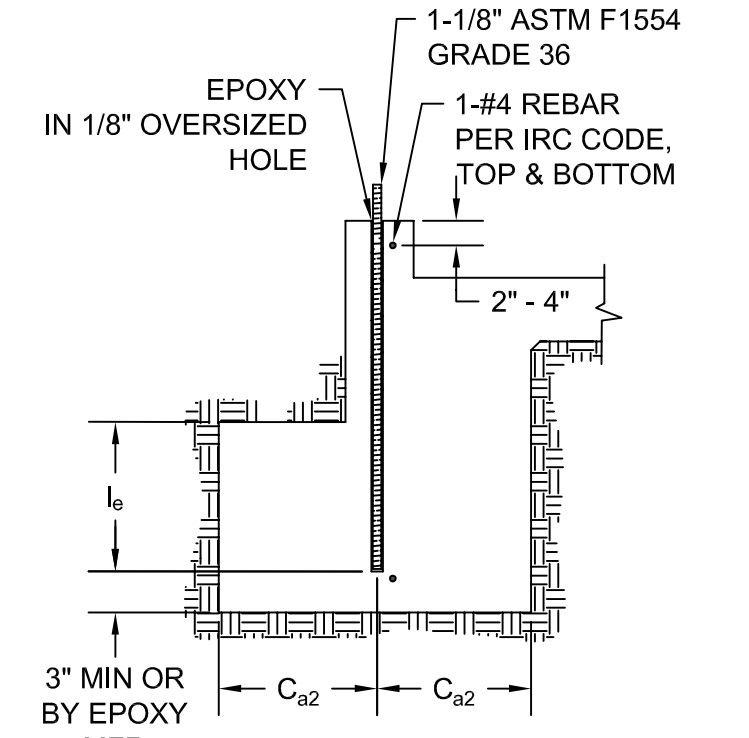
POST INSTALLED

CAST IN PLACE



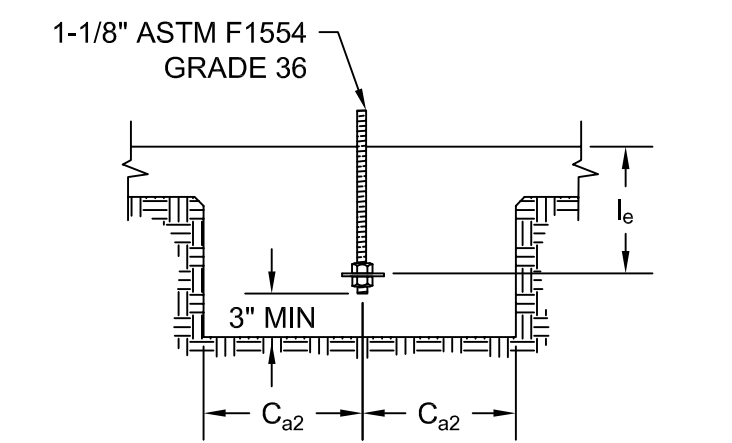
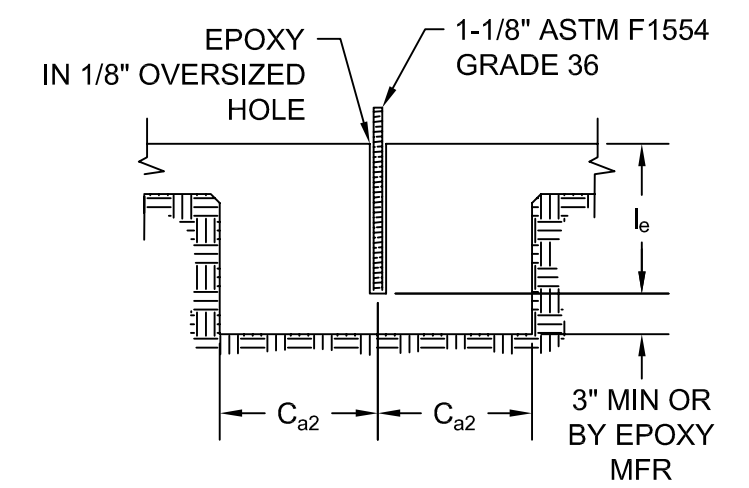
CURB AT OUTSIDE CORNER (6A)

CURB AT OUTSIDE CORNER (6D)



CURB (EDGE) CONDITION (6B)

CURB (EDGE) CONDITION (6E)

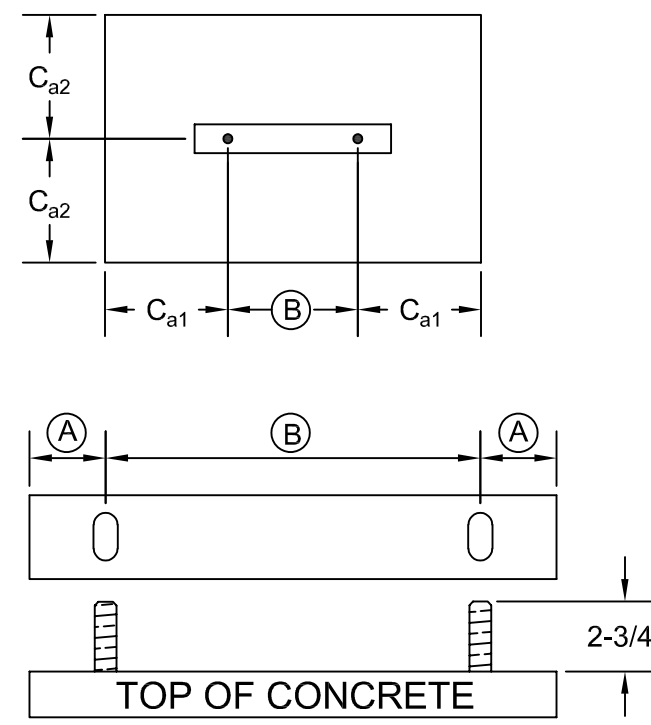
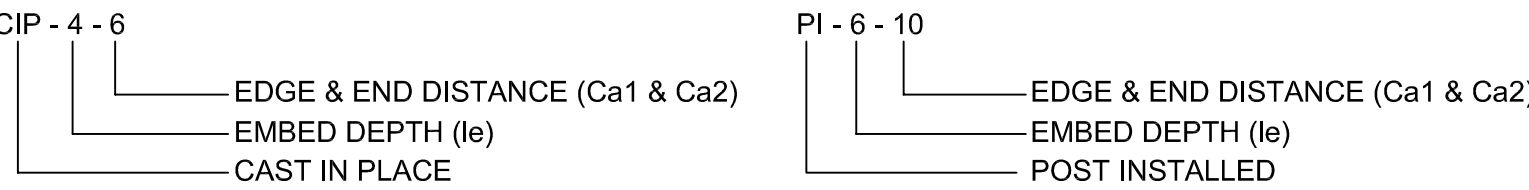


INTERIOR CONDITION (6C)

INTERIOR CONDITION (6F)

FOUNDATION ANCHORAGE REQUIREMENTS - WIND					
MODEL NUMBER	EQUIVALENT WALL BRACING LENGTH	CAST IN PLACE ¹		POST INSTALLED ²	
		EMBED DEPTH ³	EDGE & END ^{4 & 5}	EMBED DEPTH ³	EDGE & END ^{4 & 5}
	(ft)	l _b (in)	C _{a1} & C _{a2}	l _b (in)	C _{a1} & C _{a2}
HFX-9x79.5 HFX-9x8	6	6-1/2	9-3/4	8	15
	4	5	7-1/2	7	11
HFX-12x78 HFX-12x8	6	5-1/2	8-1/4	6	10
	4	4-1/2	6-3/4	5	8
HFX-12x9 HFX-12x10	6	7	10-1/2	8	14
	4	5-1/2	8-1/4	6	10
HFX-15x78 HFX-15x8	6	5-1/2	8-1/4	6	9
	4	4-1/2	6-3/4	4-1/2	8
HFX-15x9 HFX-15x10	6	6-1/2	9-3/4	7	12
	4	5	7-1/2	6	9
HFX-15x11 HFX-15x12	6	7	10-1/2	8	15
	4	5-1/2	8-1/4	6	11
HFX-18x78 HFX-18x8	6	5	7-1/2	4-1/2	9
	4	4	6	4-1/2	7
HFX-18x9 HFX-18x10	6	6	9	6	10
	4	4-1/2	6-3/4	4-1/2	9
HFX-18x11 HFX-18x12	6	6-1/2	9-3/4	7	12
	4	5	7-1/2	5	9

ANCHORAGE NOMENCLATURE



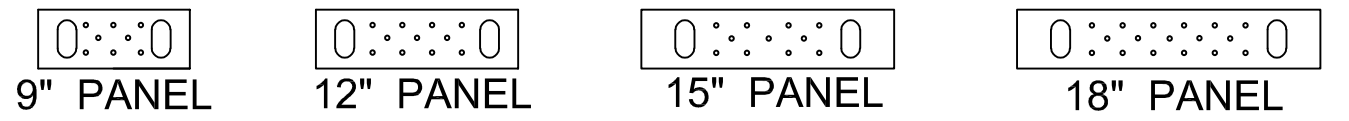
MODEL	WIDTH	A	B
HFX-9x	9"	1-3/4"	5-1/2"
HFX-12x	12"	1-3/4"	8-1/2"
HFX-15x	15"	2-5/8"	9-3/4"
HFX-18x	18"	2-5/8"	12-3/4"

CAST IN PLACE & POST INSTALLED ANCHORAGE (6)

ANCHORAGE NOTES

- CAST-IN FOUNDATION ANCHORAGE SOLUTIONS ARE BASED ON THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318-19, CHAPTER 17, INCLUDING THE SPECIFIC SEISMIC PROVISIONS OF SECTION 17.2.3 AND THE 0.75 REDUCTION FACTOR FOR CRACKED CONCRETE. A CONCRETE COMPRESSIVE STRENGTH OF 2,500 PSI IS ASSUMED. TABULATED FOUNDATION DESIGN RECOMMENDATIONS REPRESENT MINIMUM ANCHORAGE REQUIREMENTS IN ACCORDANCE WITH THE FOLLOWING ASSUMPTIONS:
 - NO SUPPLEMENTAL REINFORCEMENT FOR SPLITTING DUE TO CONCRETE BREAKOUT.
 - NO SHEAR REINFORCEMENT GREATER THAN NO. 4 BARS.
- POST-INSTALLED FOUNDATION ANCHORAGE SOLUTIONS REQUIRE THE USE OF AN APPROVED EPOXY ADHESIVE WITH 708 PSI (MIN) BOND STRENGTH UNDER THE FOLLOWING FIELD CONDITIONS:
 - TEMPERATURE RANGE IS 110°F LONG TERM AND 130°F SHORT TERM.
 - PERIODIC INSPECTION IN ACCORDANCE WITH THE LOCAL JURISDICTION.
 - DRY CONCRETE.
 - 1 1/8 IN. ASTM F1554 GRADE A36 ANCHOR ROD.
- l_b = LENGTH OF EMBEDMENT FROM THE TOP OF FOOTING OR GRADE BEAM TO THE TOP OF THE HFXBB BOLT BRACE.
- C_{a1} = DISTANCE FROM HD CENTERLINE TO THE END OF THE FOOTING OR GRADE BEAM.
- C_{a2} = DISTANCE FROM HD CENTERLINE TO BOTH THE FRONT AND THE BACK FACE OF THE FOOTING OR GRADE BEAM.
- CONCRETE COVERAGES MUST COMPLY WITH ACI 318-14, SECTION 17.7.1
- ANCHORS ARE ASTM F1554 GRADE 36 WITH A HARDY FRAME BOLT BRACE (HFXBB) INSTALLED WITH DOUBLE NUTS ON THE EMBED END.
- REINFORCEMENT SHOWN IS THE MINIMUM REQUIREMENT PER CODE AND IS NOT INTENDED TO REPLACE REINFORCEMENT DESIGNED BY THE EOR.
- ANCHORAGE IS DESIGNED FOR TENSION AND SHEAR TRANSFER ONLY, FOUNDATION DESIGN PER DESIGN PROFESSIONAL.

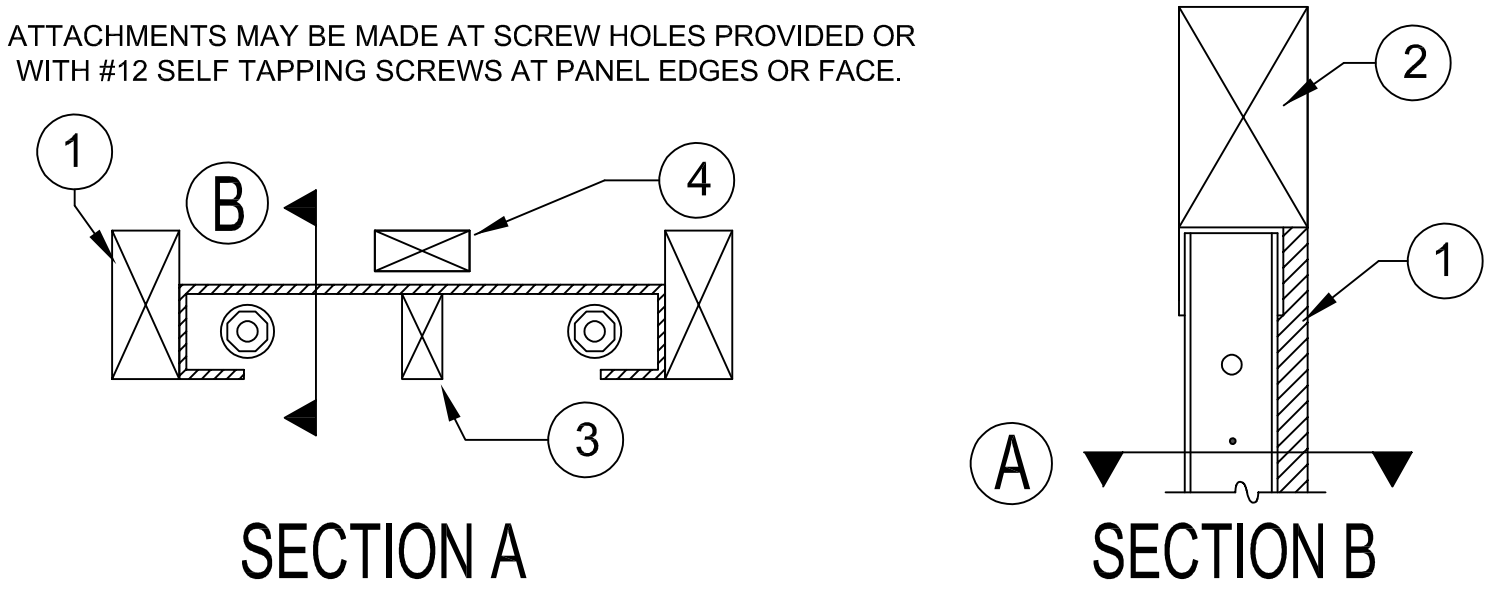
MODEL NUMBER	NET HEIGHT (in)	DEPTH (in)	HOLD DOWN DIAMETER (in)	TOP SCREW QUANTITY (EA)	SCREW HOLE QTY AVAILABLE AT EDGES (EA)
HFX-12 x 78 HFX-15 x 78 HFX-18 x 78	78	3-1/2	1-1/8	9" WIDTH = 5 12" WIDTH = 6 15" WIDTH = 8 18" WIDTH = 10	4
HFX-9 x 79.5	79-1/2				
HFX-9 x 8	93-3/4				
HFX-12 x 8 HFX-15 x 8 HFX-18 x 8	92-1/4				
HFX-12 x 9 HFX-15 x 9 HFX-18 x 9	104-1/4	3-1/2	1-1/8	9" WIDTH = 5 12" WIDTH = 6 15" WIDTH = 8 18" WIDTH = 10	5
HFX-15 x 10 HFX-18 x 10	116-1/4				
HFX-15 x 11 HFX-18 x 11	128 1/4				
HFX-15 x 12 HFX-18 x 12	140 1/4				



INSTALLATION INSTRUCTIONS

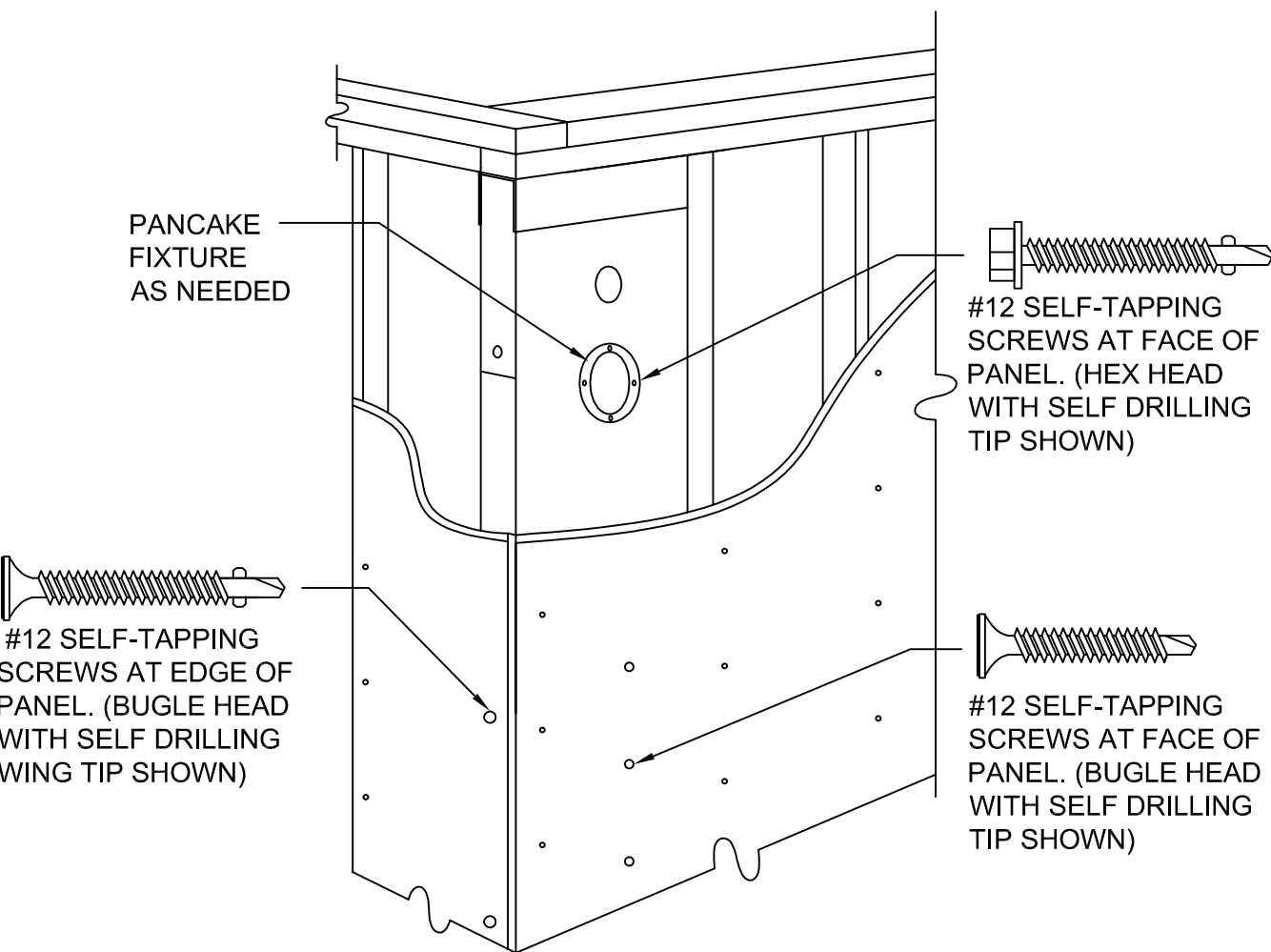
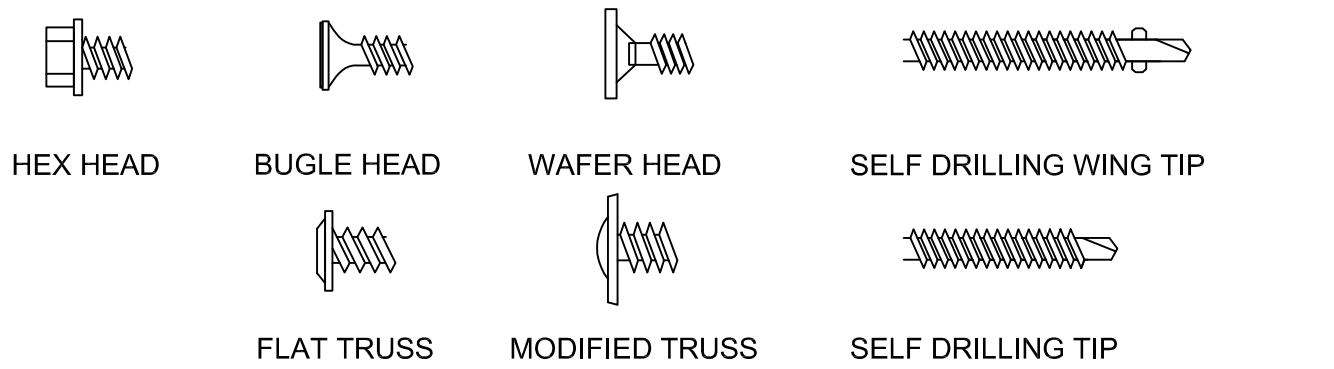
- WHEN INSTALLING DIRECTLY ON CONCRETE, PLACE PANEL OVER BOLTS AND CONNECT WITH (1 EA) HARDENED ROUND WASHER AND A GRADE 8 OR 2H HEAVY HEX NUT. SECURE WITH A DEEP SOCKET (RECOMMENDED) UNTIL "SNUG TIGHT".
- USE 1/4"x4-1/2" MITEK PRO-SERIES "WS-45" SCREWS AT TOP CONNECTIONS WITH A 2x FILLER. IF THE TOP OF PANEL IS IN DIRECT CONTACT WITH THE COLLECTOR ABOVE (TOP PLATES, HEADER, BEAM, ETC.) USE 1/4" x 3" (MINIMUM)
- FOR INSTALLATIONS WITH A FILLER GREATER THAN 2" THICK ABOVE, 1/4" DIAMETER SCREWS ARE REQUIRED AT THE PANEL EDGES TO BRACE FOR THE OUT-OF-PLANE HINGE OR WHEN THEY ARE SPECIFIED BY THE DESIGN PROFESSIONAL.
- UP TO A 3/8" PLY, OSB OR WOOD SHIM MAY BE USED TO COMPENSATE FOR VARIATIONS IN STANDARD STUD HEIGHTS.
- THERE IS NO "INSIDE" OR "OUTSIDE" FACE OF PANEL. TO PREVENT THE NEED FOR ADDITIONAL HOLES ORIENT THE PANEL CAVITY TOWARD THE FIXTURE BEING INSTALLED.

GENERAL NOTES (1)



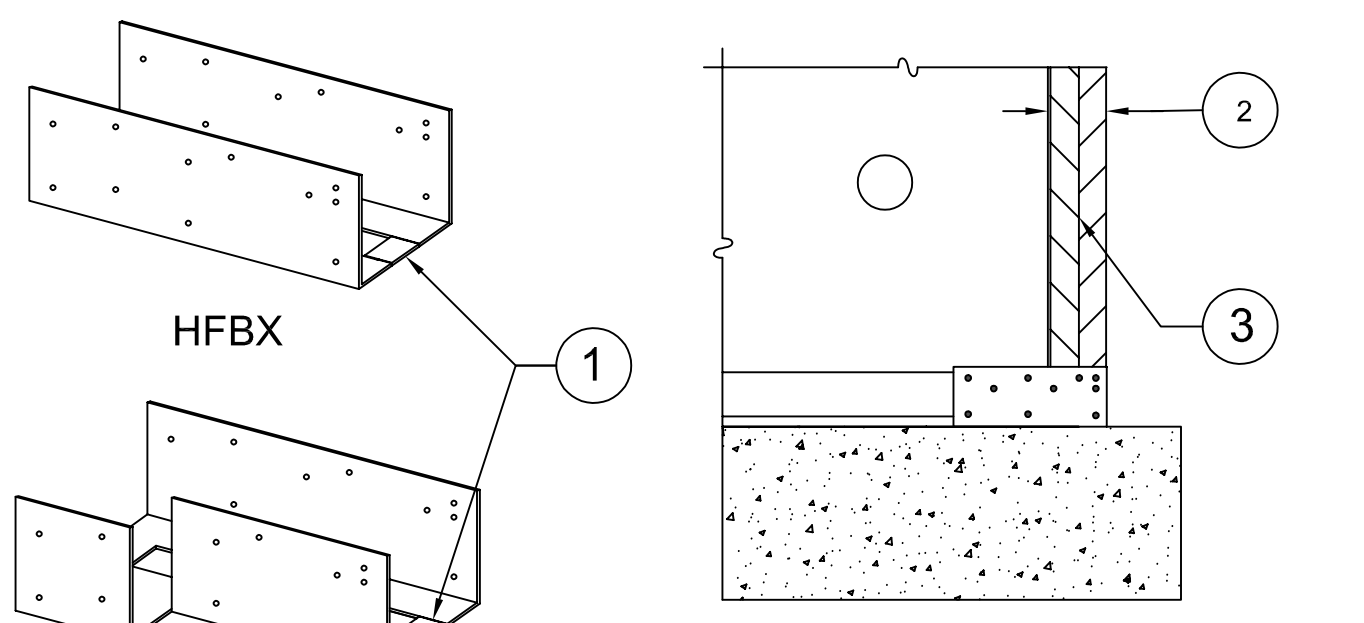
- TRIMMERS PROVIDE FULL BEARING FOR HEADER ABOVE, DESIGN AND CONNECTIONS BY OTHERS.
- 6x HEADER.
- WOOD MEMBERS MAY BE INSERTED VERTICALLY OR HORIZONTALLY IN CAVITY FOR BACKING AS NEEDED.

6x HEADER ABOVE (SECTION) (4)



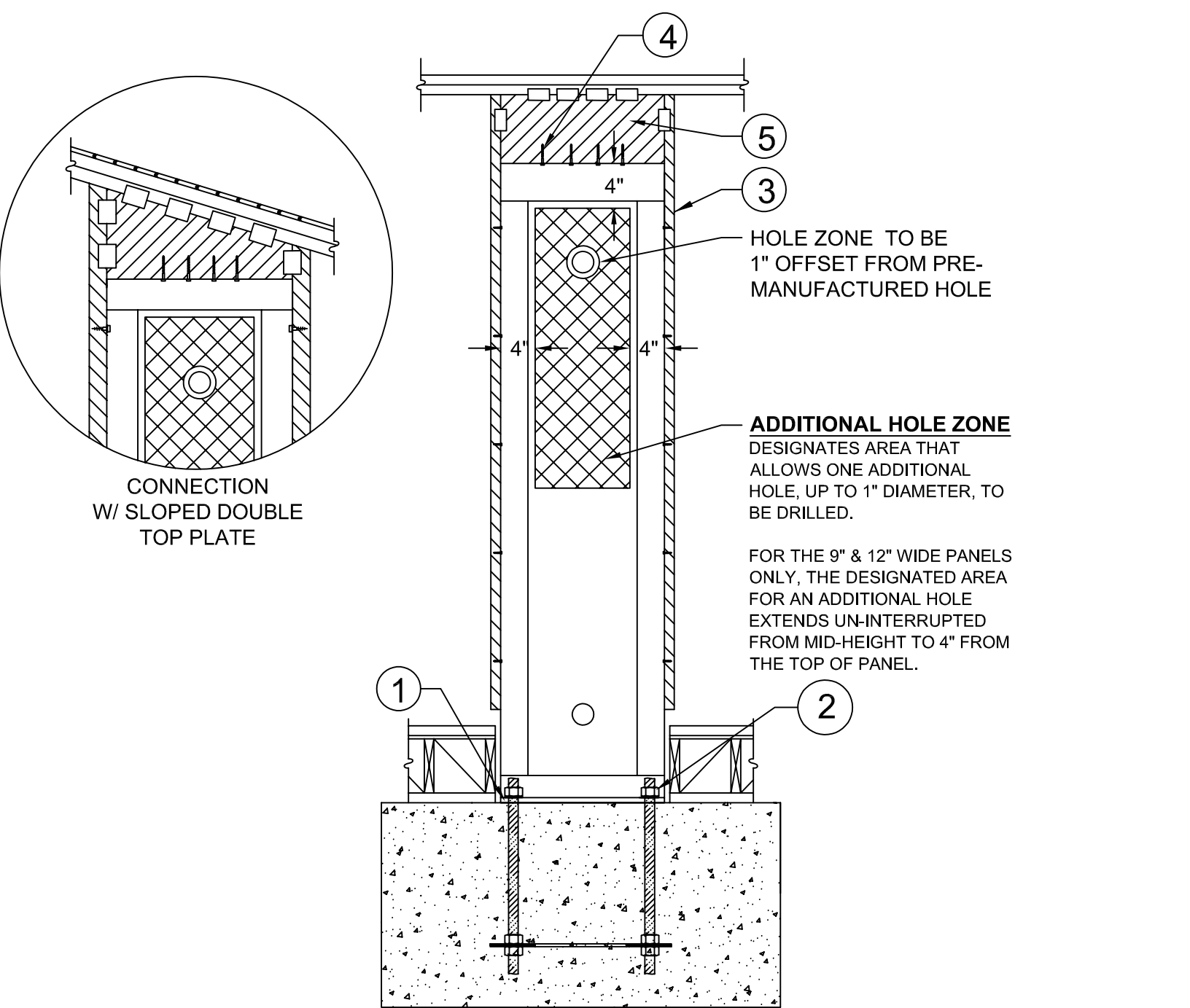
- SURFACE FINISHES, CONNECTORS AND FIXTURES ARE ATTACHED TO THE PANEL FACE WITH # 12 SELF-TAPPING SCREWS SPACED NO LESS THAN 2-1/4" OC.
- ATTACHMENTS TO THE PANEL EDGES ARE MADE WITH # 12 SELF-TAPPING SCREWS.
- STRUCTURAL CONNECTIONS ARE TO BE DESIGNED BY THE DESIGN PROFESSIONAL.
- STRUCTURAL HARDWARE USED TO TRANSFER LOADS SHOULD NOT EXCEED 12 GAGE.

CONNECTION SCREWS (2)



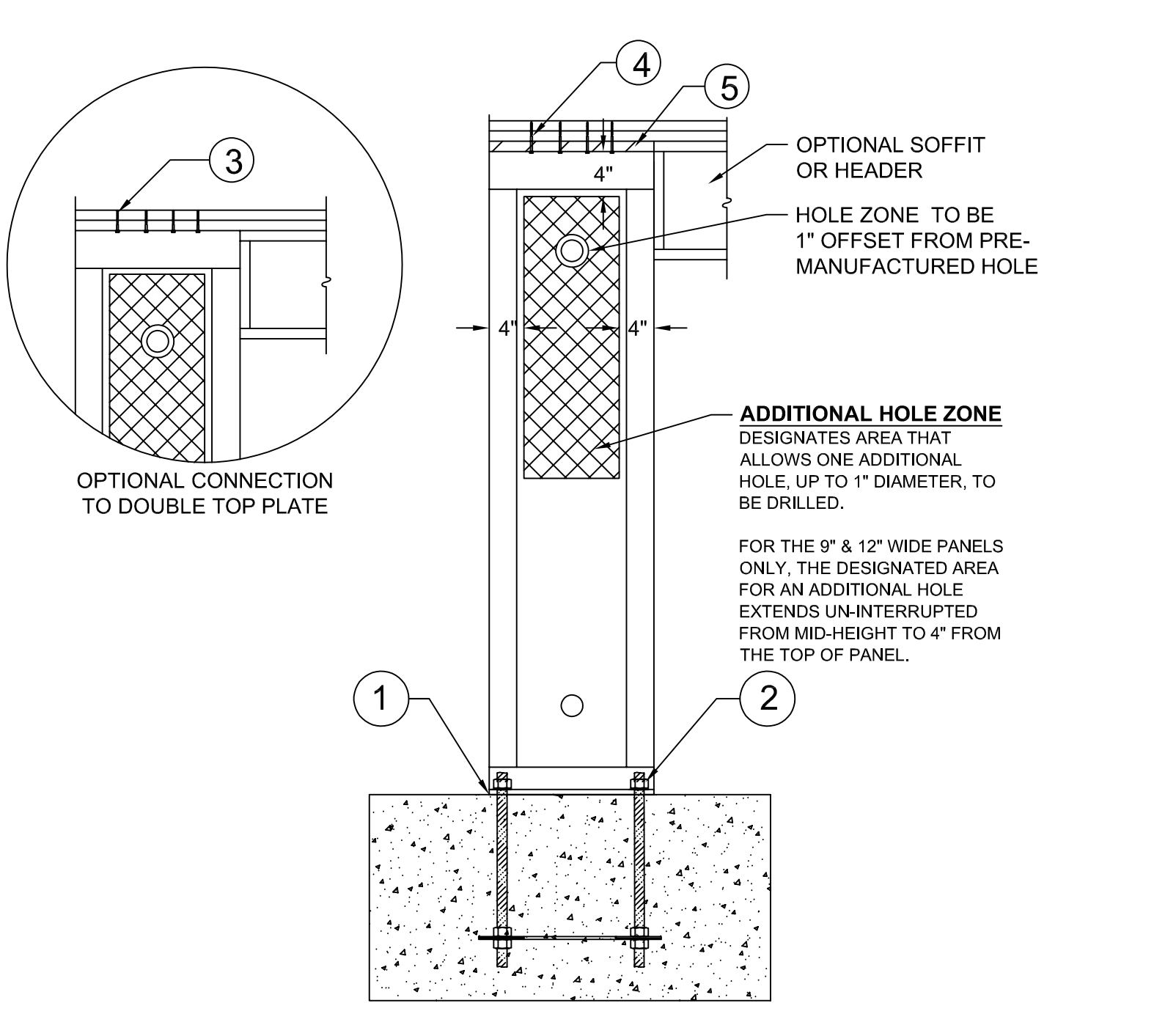
- "BREAK-AWAY" TAB ALLOWS INSTALLATION AFTER PANEL HAS BEEN SET.
- ADJUSTABLE INSTALLATION FOR HFBX EXTENDS UP TO 6-1/2" BEYOND FACE OF PANEL.
- WOOD MEMBERS PER DESIGN PROFESSIONAL.

BASE EXTENSION (3)



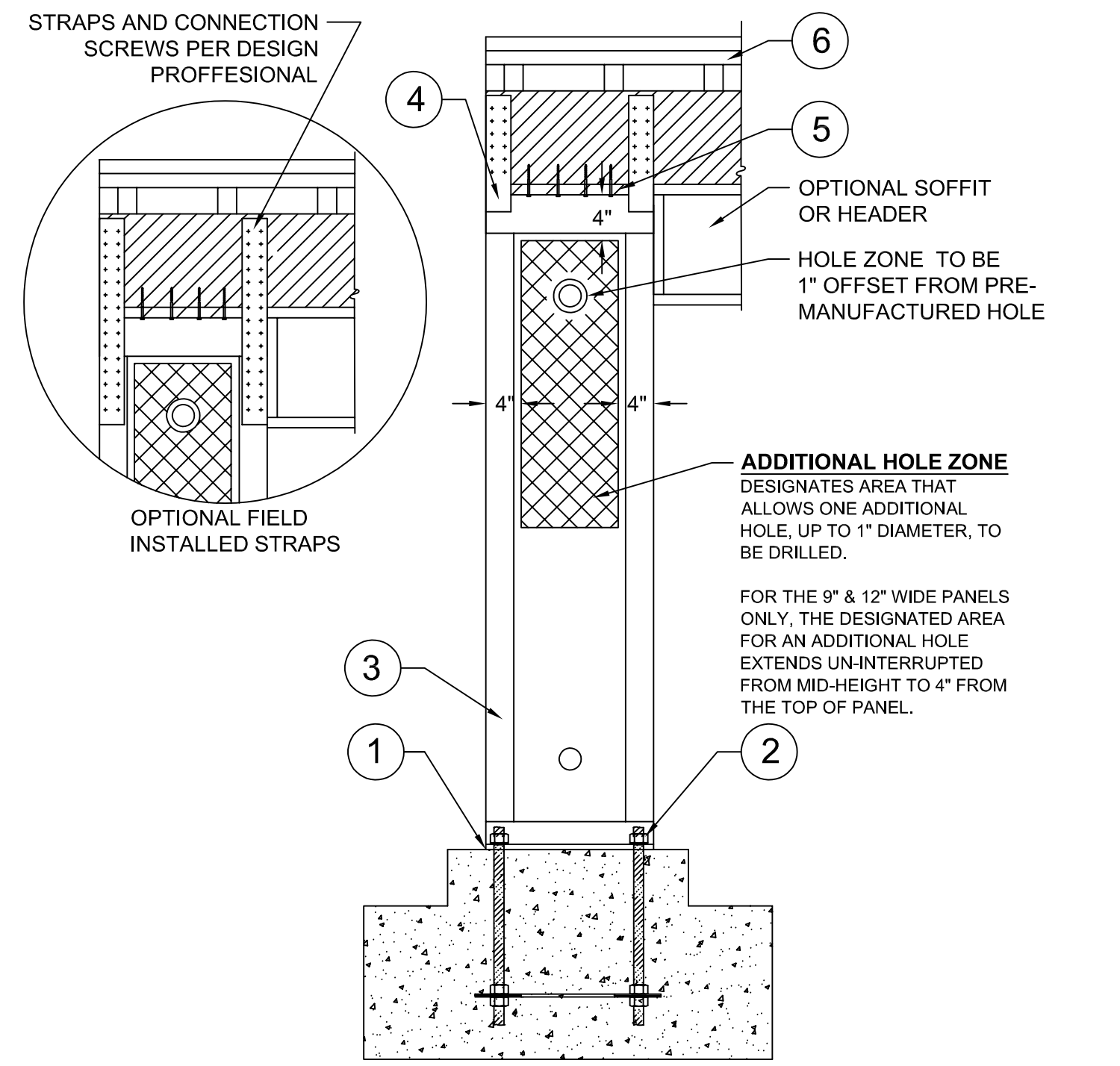
- 15# FELT OR EQUIVALENT MOISTURE BARRIER CAN BE PLACED BETWEEN PANEL BASE AND CONCRETE.
- 1 EA. HARDENED ROUND WASHER AND GRADE 8 HEX NUT.
- ADJACENT FRAMING WITH 1/4" DIAMETER PRO-SERIES SCREWS INSTALLED AT THE EDGES AS SPECIFIED BY DESIGN PROFESSIONAL.
- 1/4" x 3" (MIN) MITEK PRO-SERIES "WS-3" SCREWS. QUANTITY PER TABLES.
- WOOD FILLER WITH USP MP4-F CONNECTORS ON BOTH SIDES, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

RAISED FLOOR WITH WOOD FILLER (8)



- 15# FELT OR EQUIVALENT MOISTURE BARRIER CAN BE PLACED BETWEEN PANEL BASE AND CONCRETE.
- 1 EA. HARDENED ROUND WASHER AND GRADE 8 HEX NUT.
- 1/4" x 3" (MIN) MITEK PRO-SERIES "WS-3" SCREWS. QUANTITY PER TABLES.
- 1/4" x 4-1/2" (MIN) MITEK PRO-SERIES "WS-45" SCREWS. QUANTITY PER TABLES.
- 2x WOOD FILLER.

INSTALLATION ON SLAB FOUNDATION (7)



- 15# FELT OR EQUIVALENT MOISTURE BARRIER CAN BE PLACED BETWEEN PANEL BASE AND CONCRETE.
- 1 EA. HARDENED ROUND WASHER AND GRADE 8 HEX NUT.
- ADJACENT FRAMING OPTIONAL U.N.O. BY BUILDING DESIGN PROFESSIONAL.
- WELDED STRAPS ARE AVAILABLE FROM MANUFACTURER WHEN REQUIRED BY THE DESIGN PROFESSIONAL.
- A 2x WOOD FILLER WITH 1/4"x4-1/2" (MIN.) MITEK PRO-SERIES "WS-45" SCREWS IS PERMITTED.
- WHEN CRIPPLE STUDS OCCUR, SHEAR TRANSFER DESIGN TO BE PER THE DESIGN PROFESSIONAL.

INSTALLATION ON CURB (5)

INSTALLATION DETAILS FOR
PRESCRIPTIVE SOLUTIONS

COMPLIES WITH 2021 IRC CODE

HARDY FRAME SHEAR WALL SYSTEMS
16023 SWINGLEY RIDGE RD
CHESTERFIELD, MO 63017
(800) 325-8075
WWW.HARDYFRAME.COM

Mitek®

DATE:
1-1-2024

HFX-W