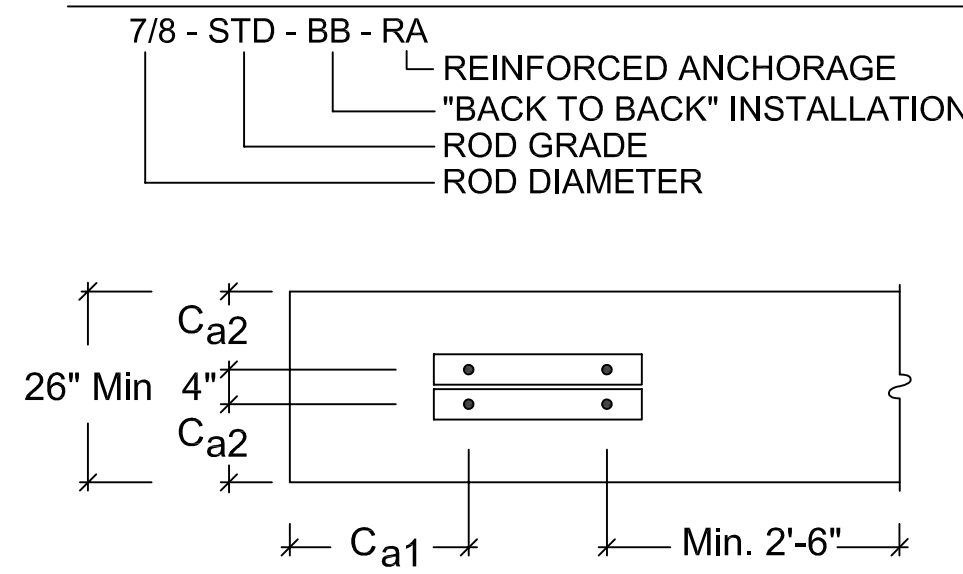


BACK TO BACK REINFORCED ANCHORAGE (BB-RA)

Model	Brace Frame Height	Anchorage ¹	Rod Dia (in)	BB-RA			Stirrups ⁹ (in)	Shear ⁷ Ties
				le ⁴ (in)	Ca ⁵ ₁ (in)	Ca ⁶ ₂ (in)		
HFX-32x	8' - 13'	7/8-STD-BB-RA	7/8	15	23-3/4	11	12 - # 4	# 3 (min) @ 4" OC
		7/8-HS-BB-RA						
HFX-44x	8' - 13'	7/8-STD-BB-RA	7/8	15	24-1/2	11	12 - # 4	# 3 (min) @ 4" OC
		7/8-HS-BB-RA						

BACK TO BACK REINFORCED ANCHORAGE NOMENCLATURE

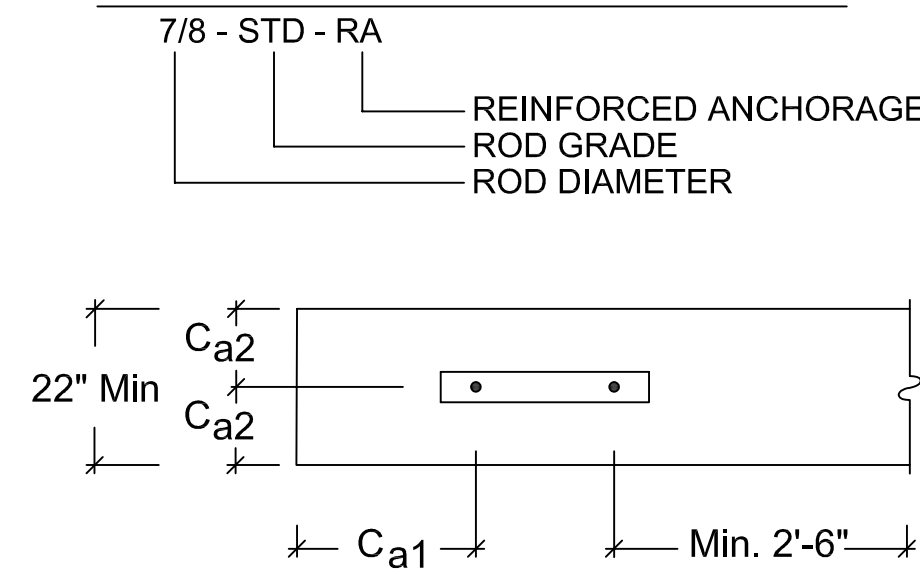


3

REINFORCED ANCHORAGE (RA)

Model	Brace Frame Height	Anchorage ¹	Rod Dia (in)	RA			Stirrups ⁹ (in)	Shear ⁷ Ties
				le ⁴ (in)	Ca ⁵ ₁ (in)	Ca ⁶ ₂ (in)		
HFX-32x	8' - 13'	7/8-STD-RA	7/8	15	23-3/4	11	12 - # 4	# 3 (min) @ 4" OC
		7/8-HS-RA						
HFX-44x	8' - 13'	7/8-STD-RA	7/8	15	24-1/2	11	12 - # 4	# 3 (min) @ 4" OC
		7/8-HS-RA						

REINFORCED ANCHORAGE NOMENCLATURE

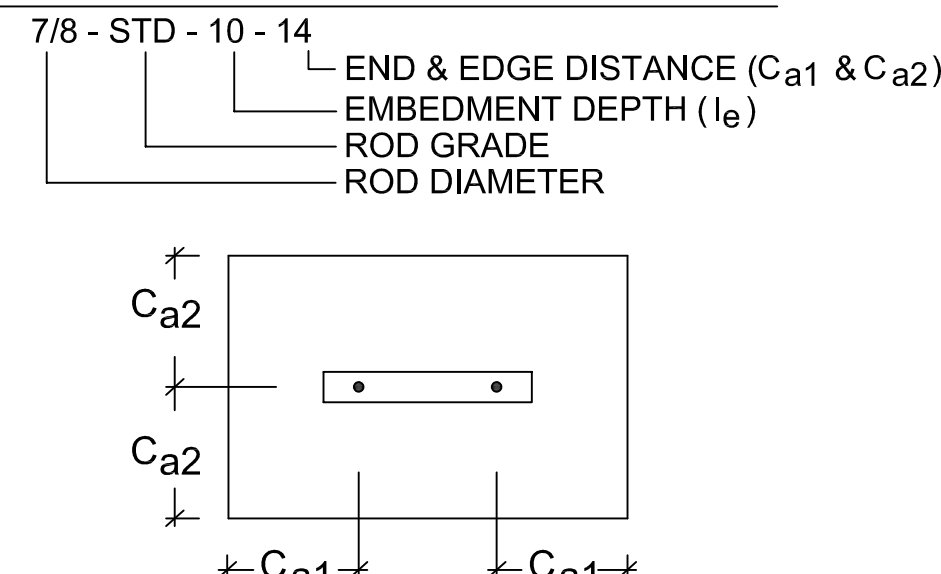


2

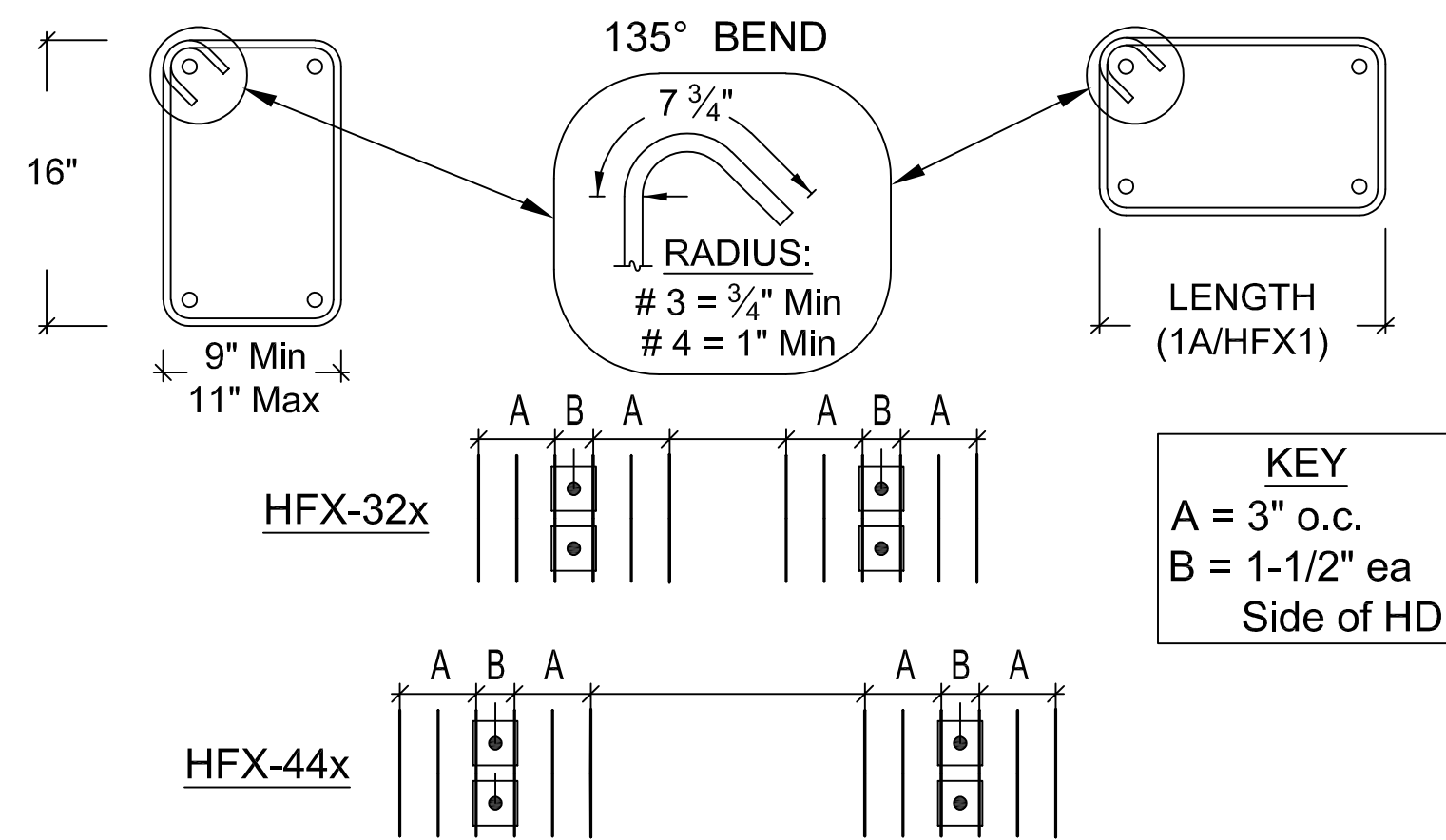
UNREINFORCED ANCHORAGE (UA)

Model	Brace Frame Height	Anchorage ¹	Rod Dia (in)	UA			Shear ^{7,8} Ties
				le ⁴ (in)	Ca ⁵ ₁ (in)	Ca ⁶ ₂ (in)	
HFX-32x	8' - 13'	7/8-STD-10-14	7/8	STD	10	14	1 - # 3
		7/8-HS-15-22		HS	15	22	
HFX-44x	8' - 13'	7/8-STD-10-14	7/8	STD	10	14	1 - # 3
		7/8-HS-15-22		HS	15	22	

UNREINFORCED ANCHORAGE NOMENCLATURE

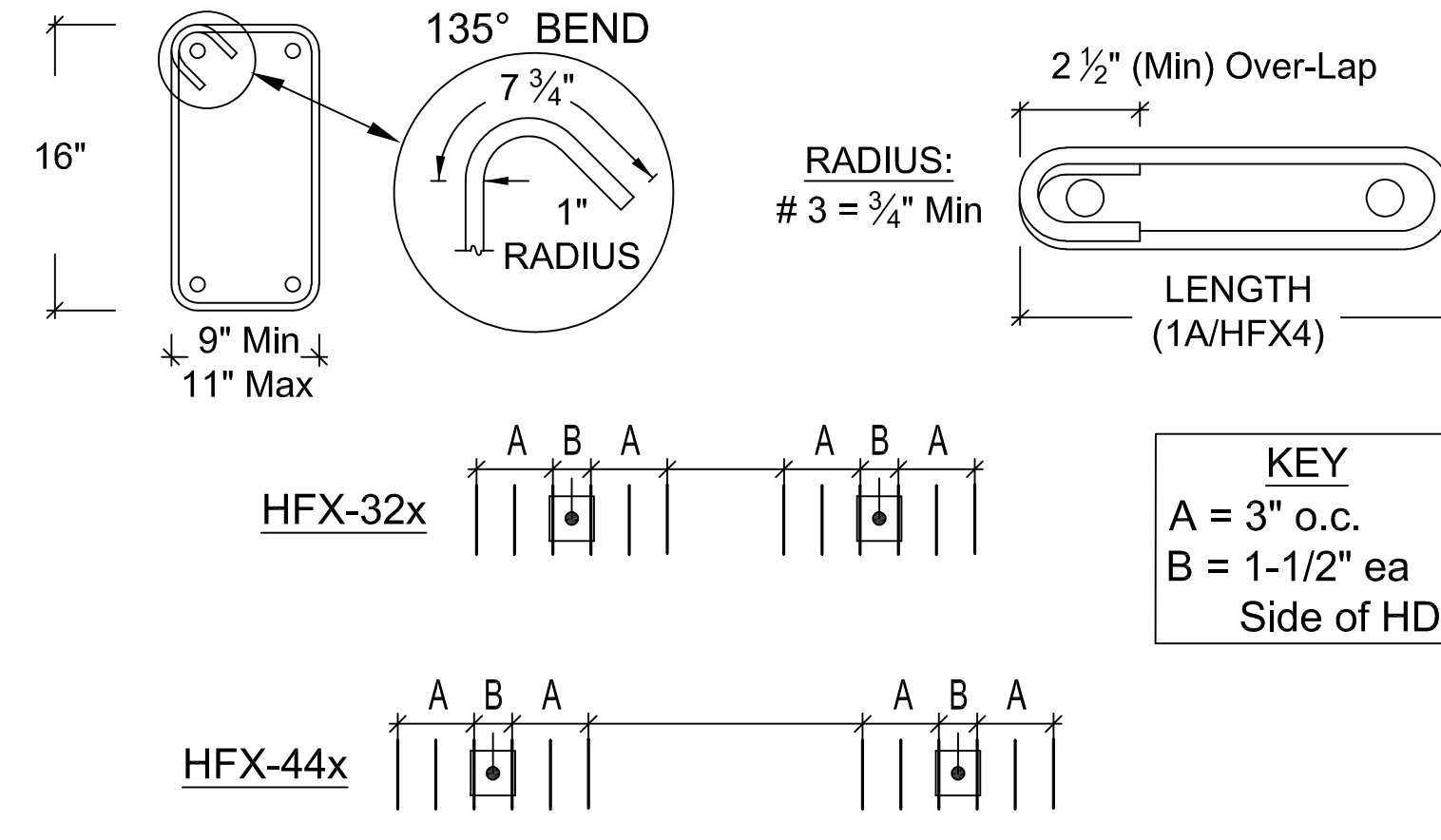


1



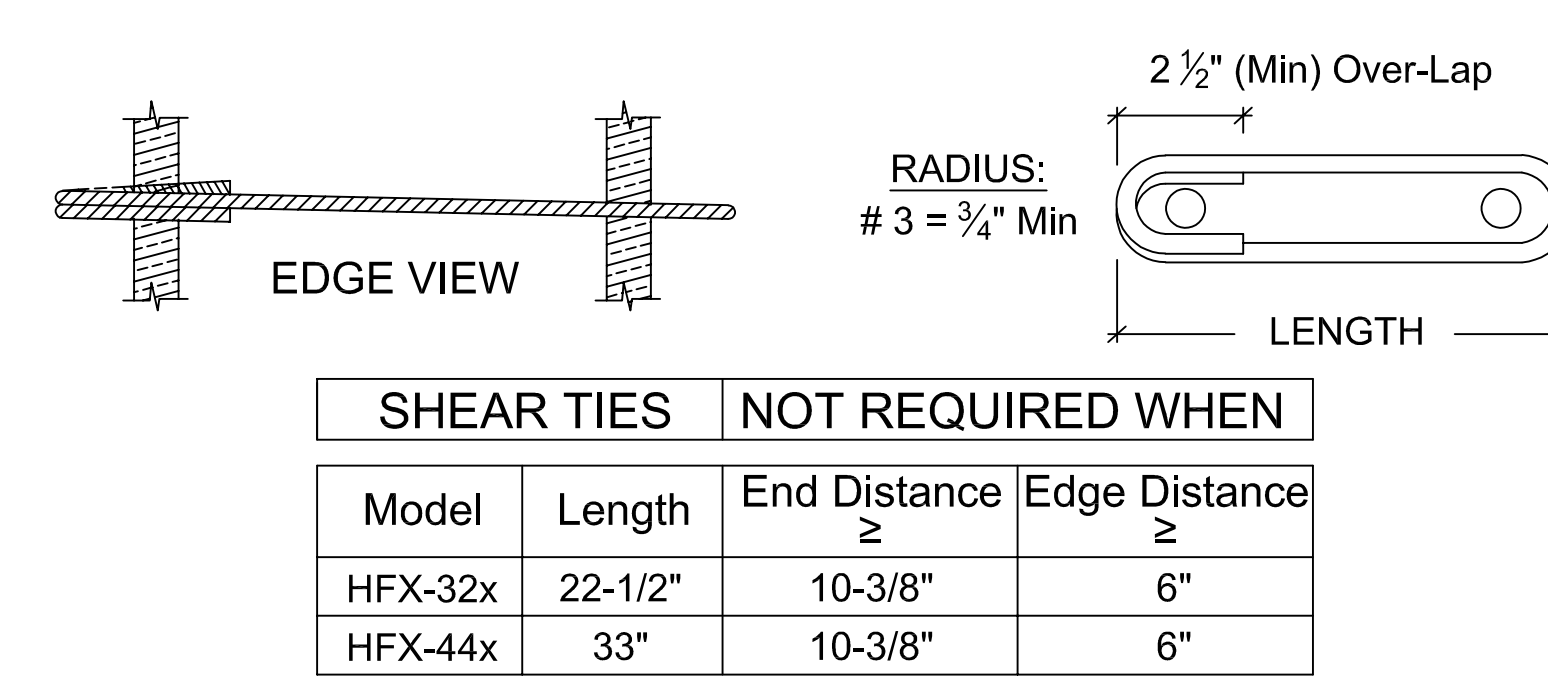
BB-RA SHEAR TIES & STIRRUPS

3A



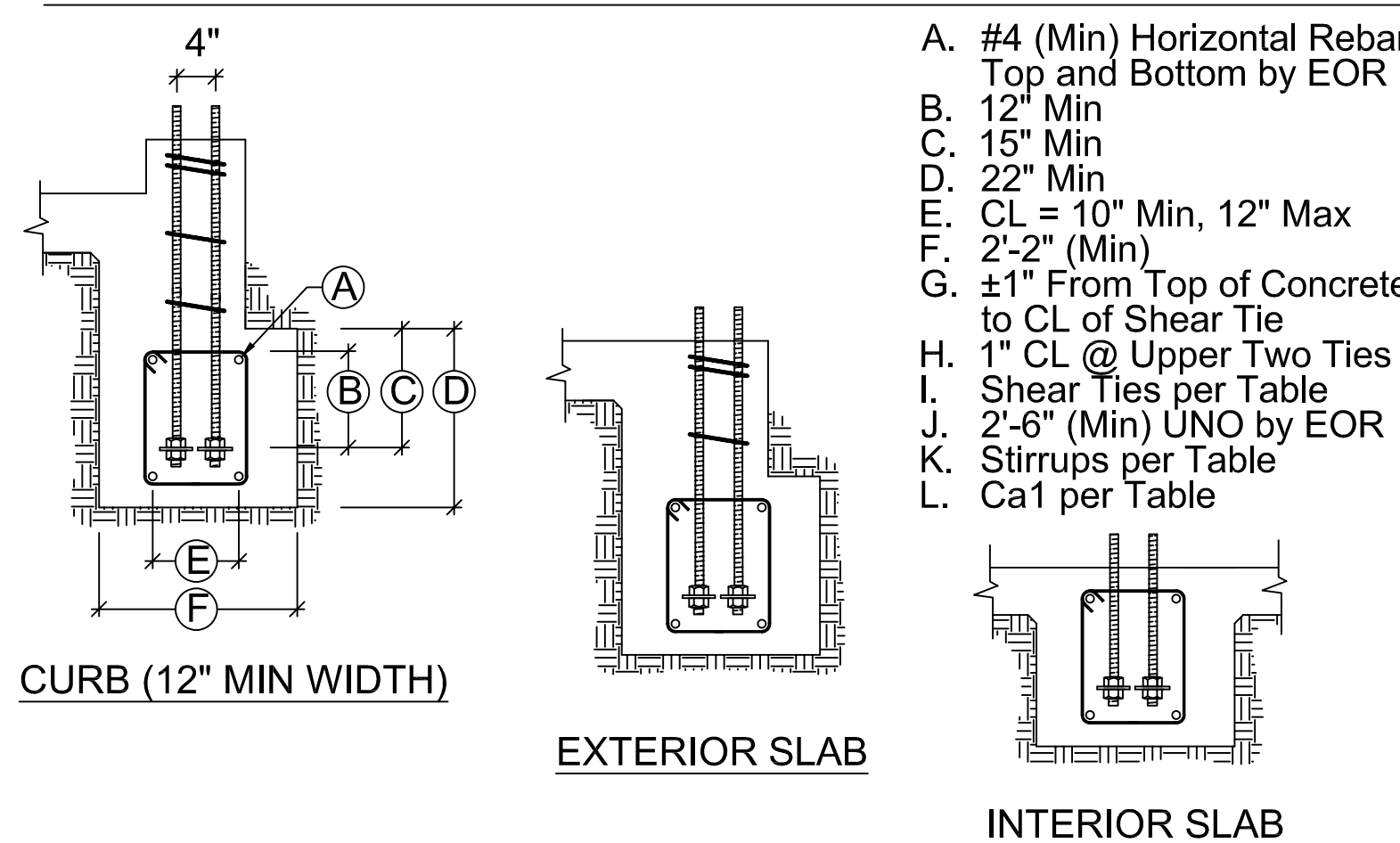
RA SHEAR TIES & STIRRUPS

2A



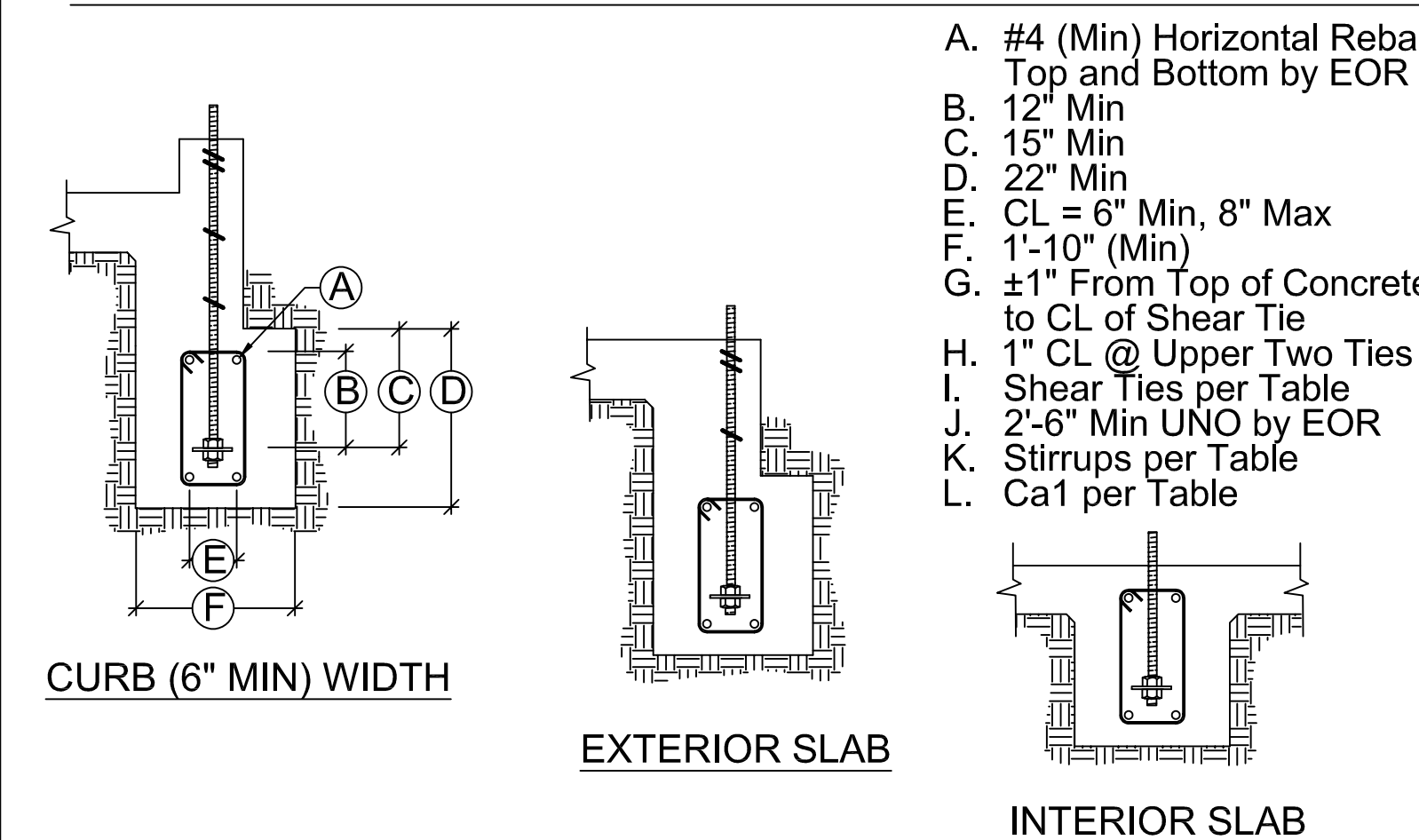
UA SHEAR TIES

1A



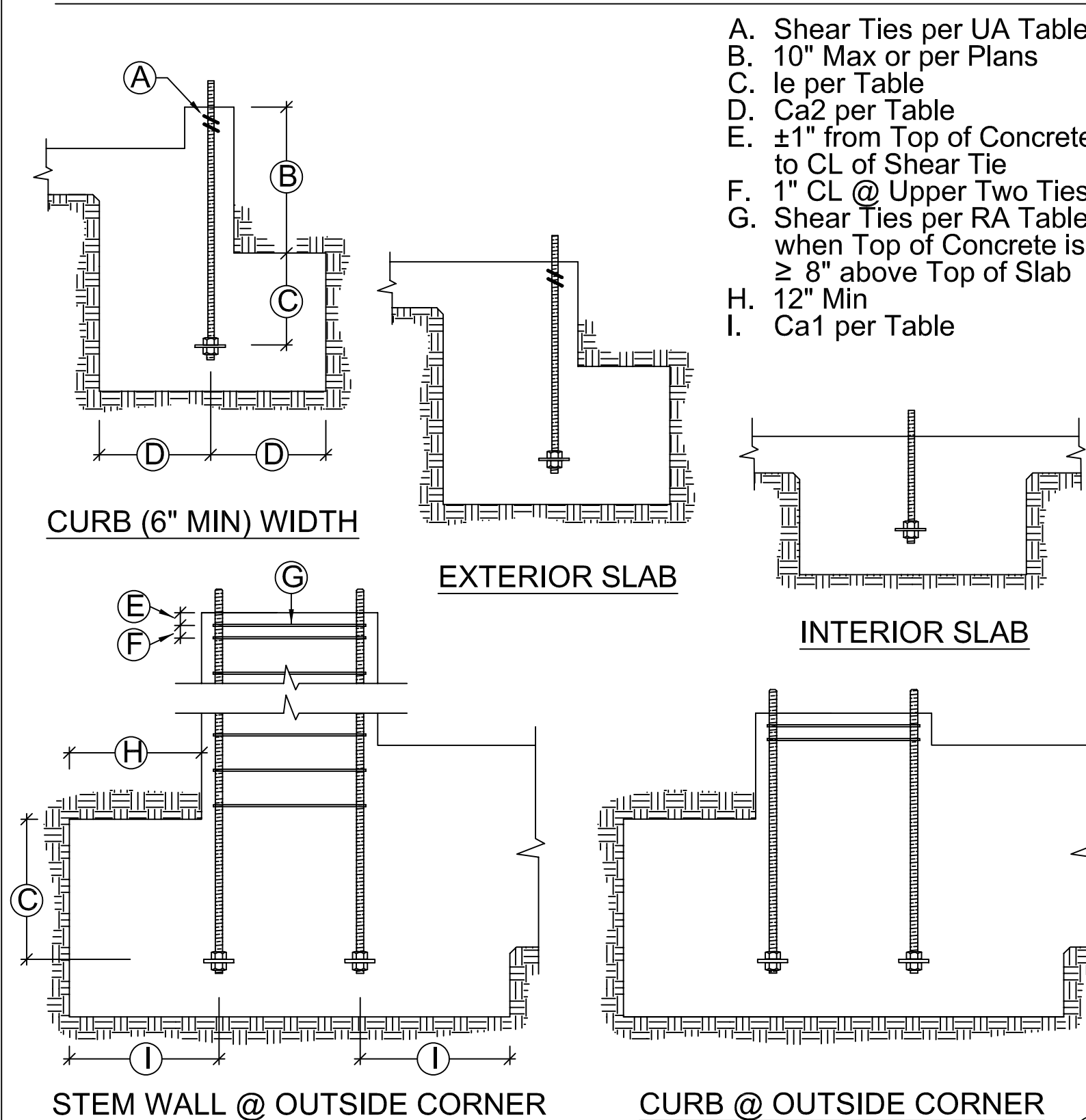
BB-RA SECTIONS & ELEVATIONS

3B



RA SECTIONS & ELEVATIONS

2B

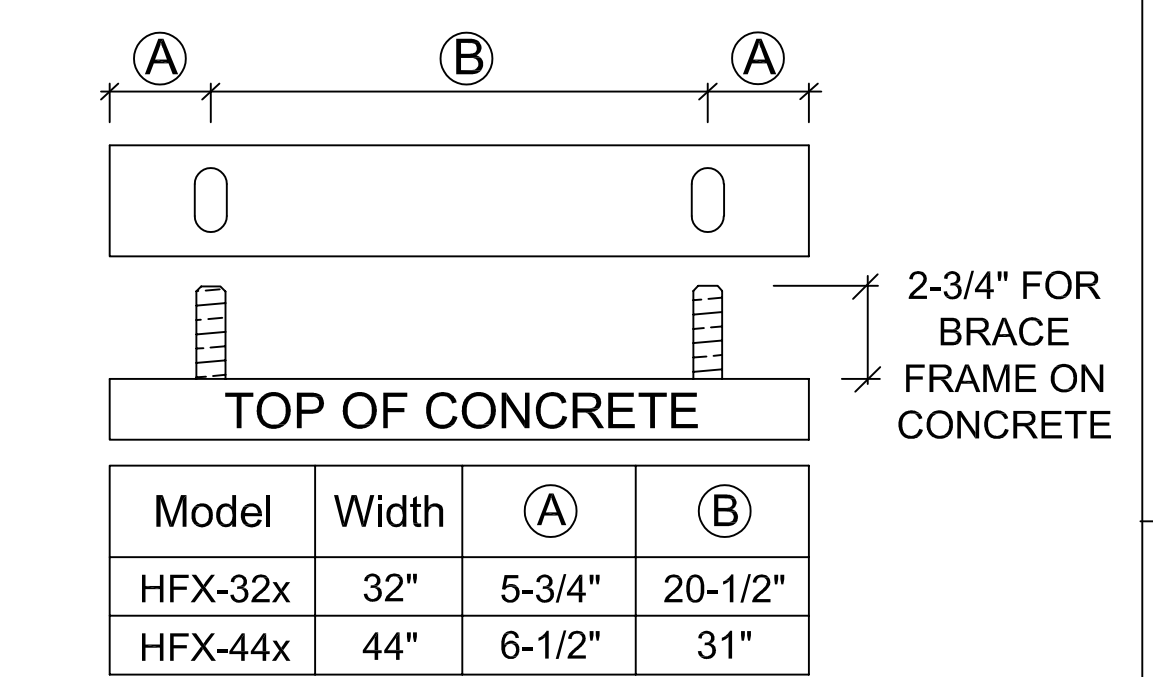


UA SECTIONS & ELEVATIONS

1B

HFX ANCHOR CENTERLINES

A



- DESIGNS ARE TO RESIST LOADING PER ACI 318-19, SEC 17.10.5.3.
- STD INDICATES ANCHORS COMPLYING WITH ASTM F1554 GRADE 36 WITH A HARDY FRAME BOLT BRACE (HFXBB) INSTALLED WITH STD OR GRADE 8 DOUBLE NUTS ON THE EMBED END.
- HS INDICATES ANCHORS COMPLYING WITH ASTM A193 GRADE B7 WITH A 1/2"x3"x3"(MIN) HFPW PLATE WASHER INSTALLED WITH DOUBLE NUTS ON THE EMBED END (HFXBB NOT REQUIRED).
- LE = LENGTH OF EMBEDMENT FROM THE TOP OF FOOTING OR GRADE BEAM TO THE TOP OF THE HFXBB BOLT BRACE (TOP OF THE EMBEDDED HFPW PLATE WASHER @ HS ANCHORS)
- CA1 = DISTANCE FROM HD CENTERLINE TO THE END OF THE FOOTING OR GRADE BEAM.
- CA2 = DISTANCE FROM HD CENTERLINE TO BOTH THE FRONT AND THE BACK FACE OF THE FOOTING OR GRADE BEAM.
- SHEAR TIES ARE GRADE 60 (MIN) REBAR AND REQUIRED FOR NEAR EDGE DISTANCE CONDITIONS PER ACI 318-19, F'C = 2,500 PSI. CURBS AND STEM WALLS MUST BE 6 INCH (MIN) WIDTH FOR UA AND RA, 12 INCH (MIN) WIDTH FOR BB-RA.
- FOR UA APPLICATIONS, ADDITIONAL TIES MAY BE REQUIRED AT STEM WALLS. SHEAR TIES ARE NOT REQUIRED FOR INSTALLATION AWAY FROM EDGE (SEE DETAIL 1A), INSTALLATION ON WOOD FRAMING, OR FOR IRC BRACED WALL PANEL APPLICATIONS.
- STIRRUPS ARE GRADE 60 (MIN) REBAR. SEE TABLE FOR SIZE AND SPACING. SEE "STIRRUP LAYOUT" DIAGRAMS AND "KEY" FOR LAYOUT PATTERNS.
- CONCRETE EDGE DISTANCES MUST COMPLY WITH ACI 318-19, SECTION 17.9.2. COATED REINFORCEMENT MAY BE SPECIFIED BY THE EOR TO LIMIT EXPOSURE AND THEREFORE REDUCE MINIMUM CONCRETE COVER. COATED REINFORCEMENT MUST COMPLY WITH ACI 318-19, SECTION 20.5.2.

- IMPORTANT!**
- ANCHORAGE IS DESIGNED FOR TENSION AND SHEAR TRANSFER ONLY, FOUNDATION DESIGN PER EOR.
 - REINFORCEMENT SHOWN IS THE MINIMUM REQUIREMENT AND IS NOT INTENDED TO REPLACE REINFORCEMENT DESIGNED BY THE EOR.
 - HIGH STRENGTH ALL-THREAD RODS PROVIDED BY MITEK HARDY FRAME ARE STAMPED ON BOTH ENDS.

HF B7

IMPORTANT NOTES

B

REVISIONS

DATE

ANCHORAGE DETAILS - HFX BRACE FRAMES

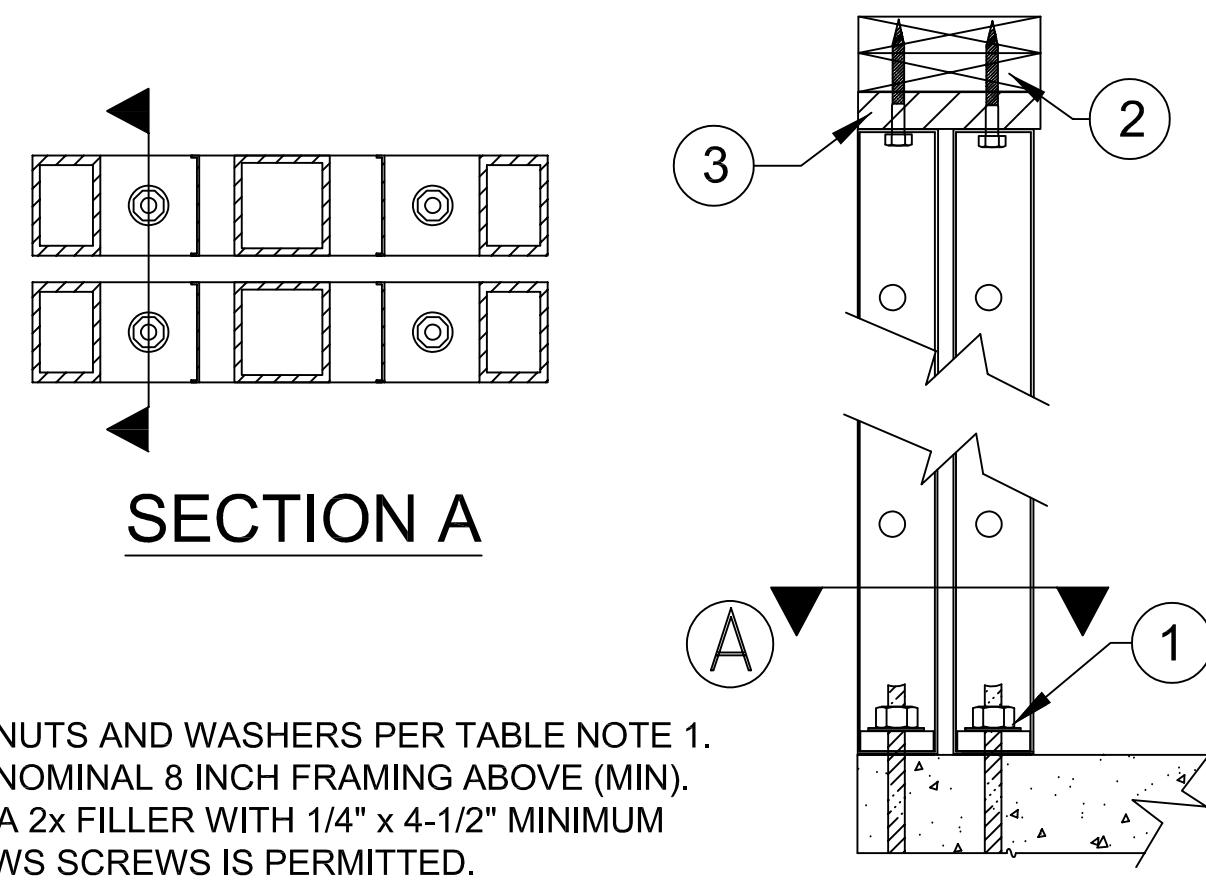
THIS DETAIL SHEET IS NOT PROPRIETARY AND IS NOT REQUIRED FOR PLAN SUBMITTAL WITH HARDY FRAME PRODUCTS

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

Mitek

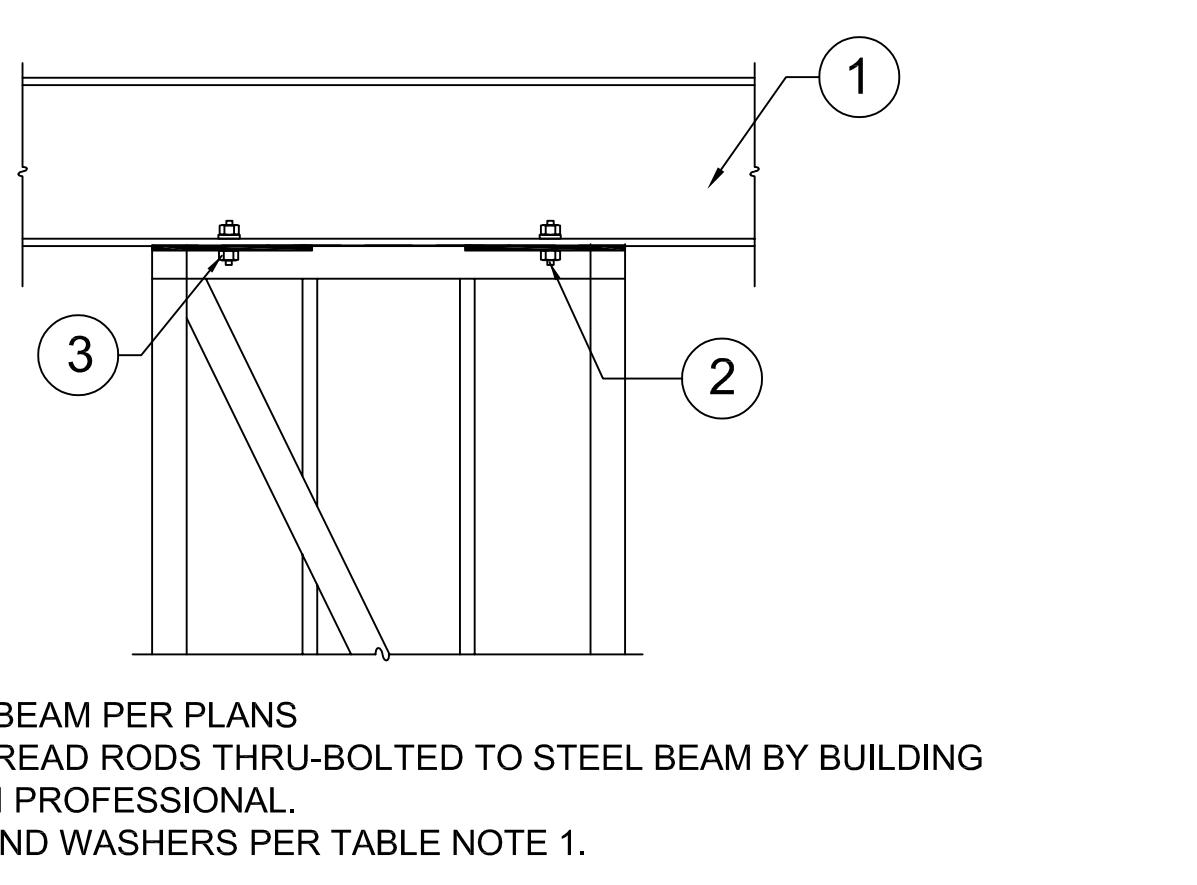
DATE:
1-1-2023

HFX4



1. NUTS AND WASHERS PER TABLE NOTE 1.
2. NOMINAL 8 INCH FRAMING ABOVE (MIN).
3. A 2x FILLER WITH 1/4" x 4-1/2" MINIMUM WS SCREWS IS PERMITTED.

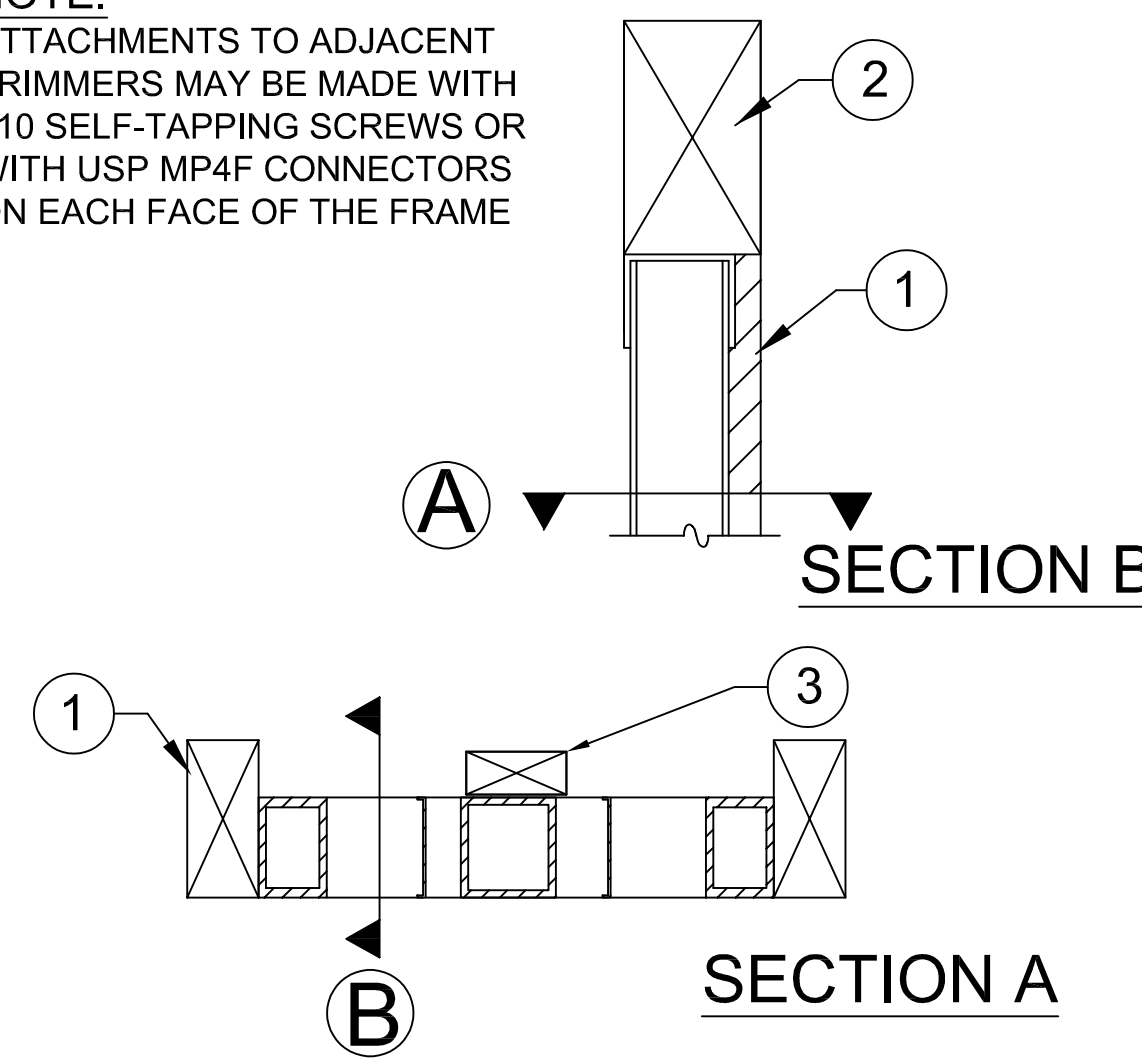
BACK TO BACK INSTALLATION 3



1. STEEL BEAM PER PLANS
2. ALL THREAD RODS THRU-BOLTED TO STEEL BEAM BY BUILDING DESIGN PROFESSIONAL.
3. NUTS AND WASHERS PER TABLE NOTE 1.

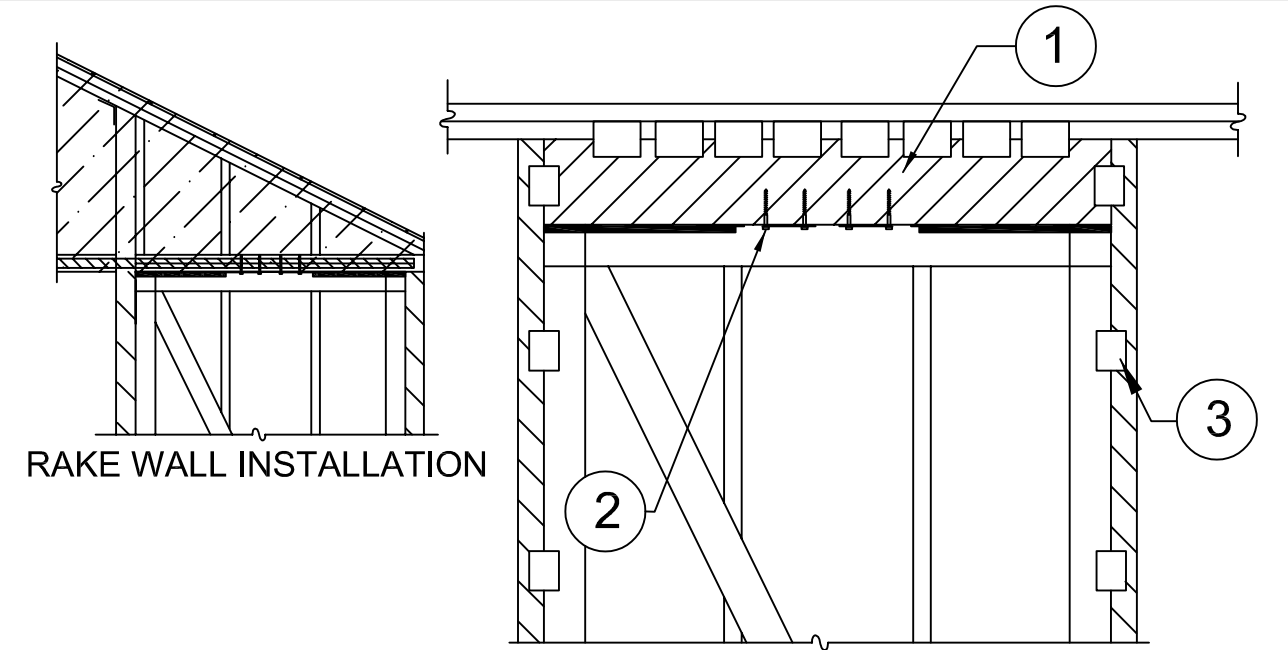
STEEL BEAM ABOVE 2

NOTE:
ATTACHMENTS TO ADJACENT TRIMMERS MAY BE MADE WITH #10 SELF-TAPPING SCREWS OR WITH USP MP4F CONNECTORS ON EACH FACE OF THE FRAME



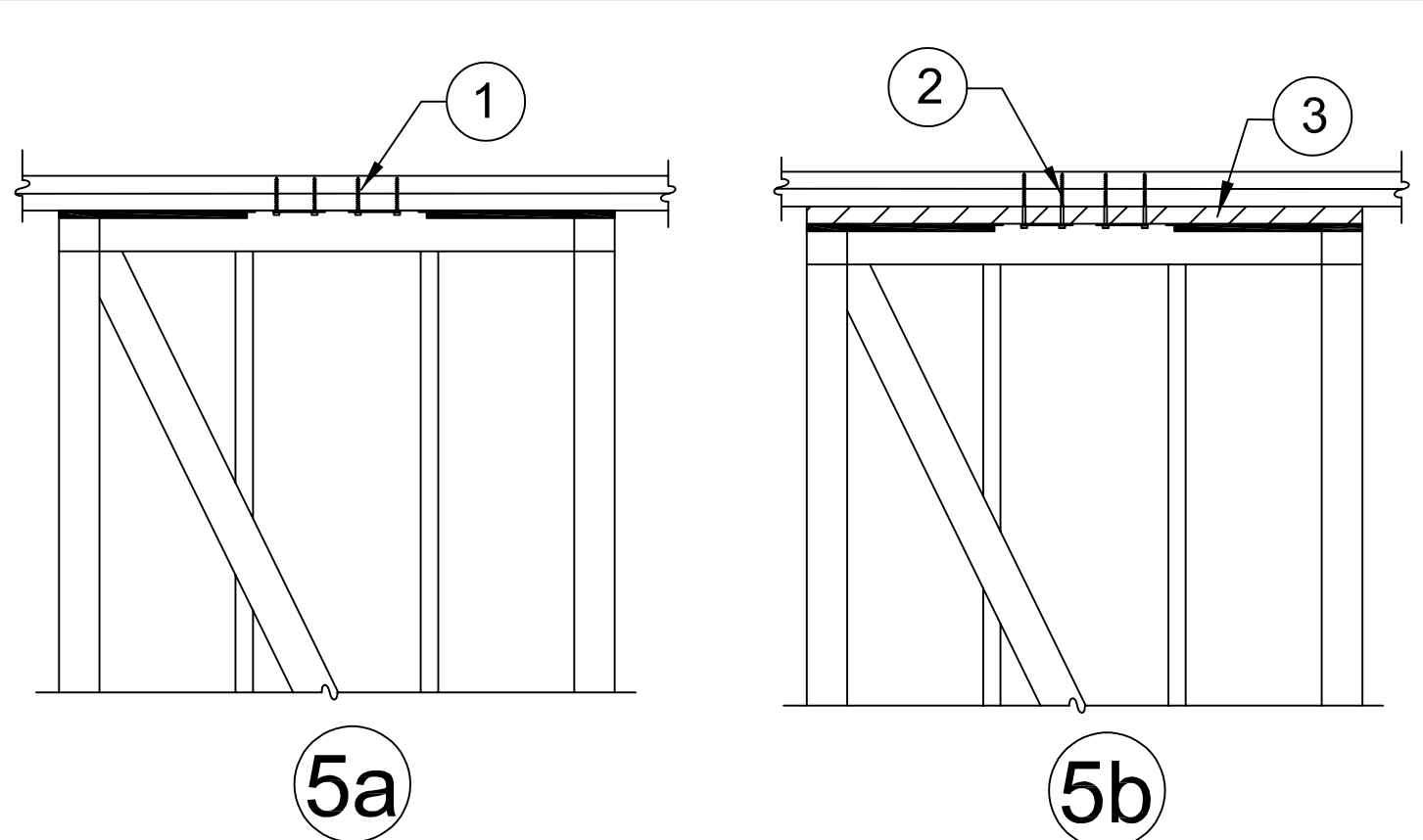
1. TRIMMERS PROVIDE FULL BEARING FOR HEADER ABOVE, DESIGN AND CONNECTIONS BY BUILDING DESIGN PROFESSIONAL.
2. 6x HEADER.
3. WOOD MEMBER FLUSH TO FACE OF WALL FOR BACKING AS NEEDED.

6x HEADER ABOVE-SECTION 1



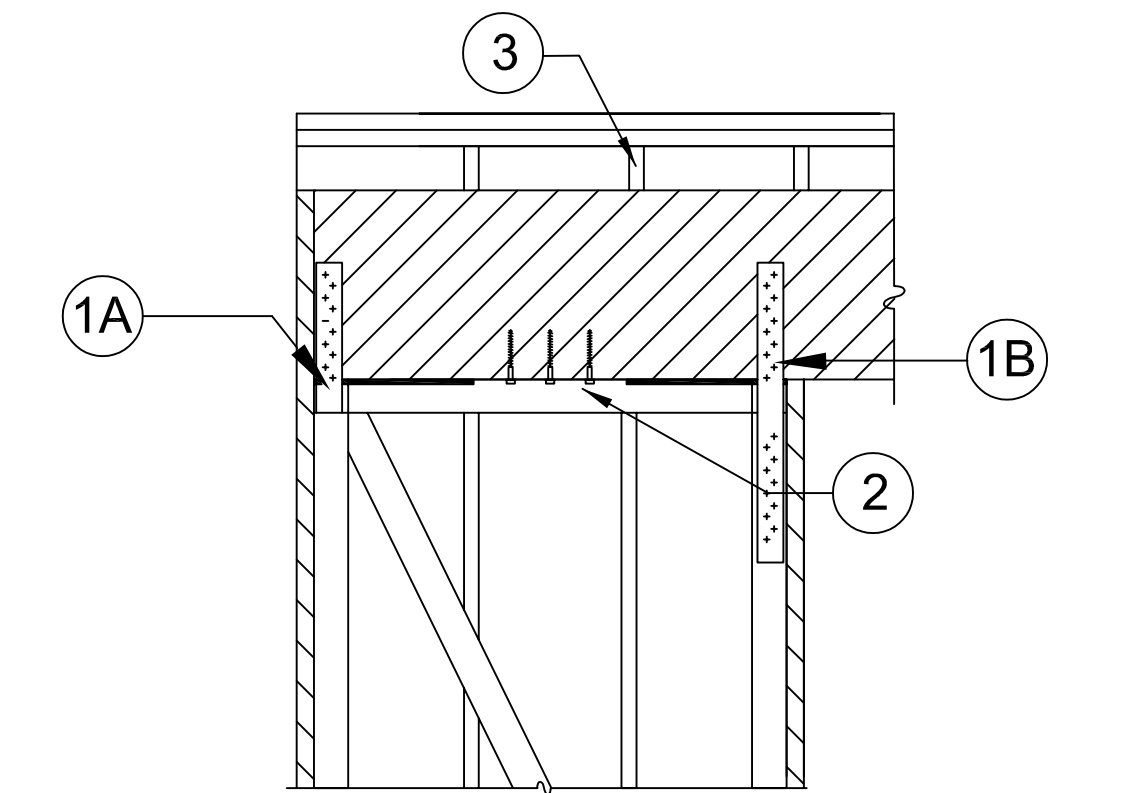
1. WOOD FILLER WITH USP MP4F CONNECTORS BOTH SIDES, QUANTITY BY BUILDING DESIGN PROFESSIONAL.
2. 1/4" x 3" (MINIMUM) WS SCREWS, QUANTITY PER TABLES
3. ADJACENT FRAMING WITH #10 SELF-TAPPING SCREWS OR USP MP4F CONNECTORS BOTH SIDES OF FRAME AND BOTH SIDES OF FILLER TO KING POST. SEE TABLE NOTE 3, DETAIL A AND INSTALLATION INSTRUCTION NOTE 4, DETAIL B.

FILLER GREATER THAN 1-1/2 IN. 6



1. 1/4" x 3" (MINIMUM) WS SCREWS, QUANTITY PER TABLES
2. 1/4" x 4-1/2" (MINIMUM) WS SCREWS, QUANTITY PER TABLES
3. 2x WOOD FILLER.

TOP PLATE CONNECTIONS 5



1. (A) PRE-WELDED STRAPS ARE AVAILABLE UPON REQUEST. (B) FIELD INSTALLED STRAPS WITH SELF TAPPING SCREWS ARE PERMITTED. THE DESIGN AND CONNECTION IS BY THE DESIGN PROFESSIONAL.
2. A 2x WOOD FILLER WITH 1/4"x4-1/2" (MIN.) WS SCREWS IS PERMITTED.
3. WHEN CRIPPLE STUDS OCCUR, SHEAR TRANSFER DESIGN TO BE PER THE BUILDING DESIGN PROFESSIONAL.

TOP CONNECTION TO HEADER 4

HFX BRACE FRAMES NOMINAL 8 THROUGH 13 FEET

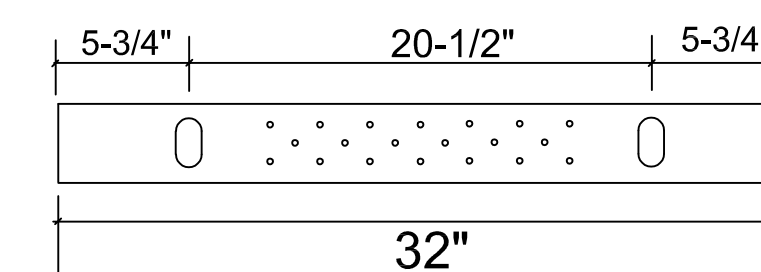
MODEL NUMBER	NET HEIGHT (in)	DEPTH (in)	Hold Down Diameter ¹ (in)	Top Screw ² Qty (ea)	Screw Qty ³ Available at Edges (ea)
HFX-32x8	92-1/4	3-1/2	7/8	32" Width = 10	NA
HFX-44x8					
HFX-32x9					
HFX-44x9	104-1/4				
HFX-32x10					
HFX-44x10					
HFX-32x11	116-1/4				
HFX-44x11					
HFX-32x12	128-1/4				
HFX-44x12					
HFX-32x13	140-1/4				
HFX-44x13		152-1/4			

TABLE NOTES

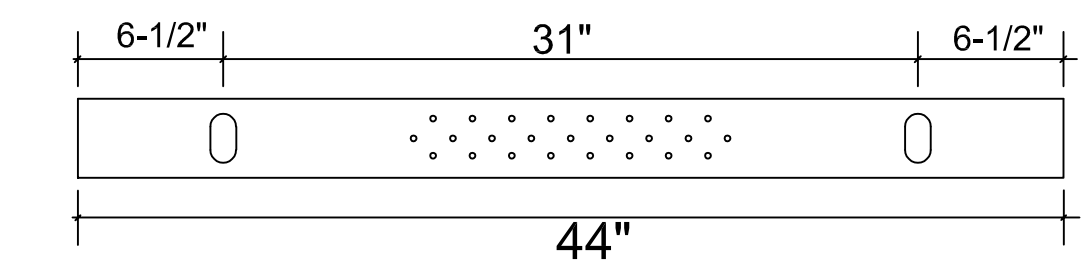
1. FOR STD OR HS GRADE HOLD DOWN ANCHOR BOLTS CONNECT TO THE BRACE FRAME BASE WITH HARDENED ROUND WASHERS BELOW GRADE 8 NUTS. ALTERNATE WASHERS ARE (2 EA) ROUND-FLAT OR (2 EA) SAE WASHERS ON EACH BOLT. ALTERNATE NUTS ARE 2H HEAVY HEX.
2. 1/4" DIAMETER MITEK® PRO SERIES™ WS SCREWS. LENGTH IS 3" (MINIMUM) WHEN ATTACHED DIRECTLY TO THE COLLECTOR AND 4-1/2" (MINIMUM) WHEN INSTALLING A 2x FILLER ABOVE THE BRACE FRAME.
3. ADJACENT FRAMING CONNECTED TO THE BRACE FRAME EDGES AND THE FILLER IS REQUIRED WHEN INSTALLING A FILLER ABOVE THE TOP CHANNEL THAT IS GREATER THAN 1-1/2" OR WHEN SPECIFIED BY THE DESIGN PROFESSIONAL.

INSTALLATION INSTRUCTIONS

1. WHEN INSTALLING ON CONCRETE CONNECT WITH (1 EA) HARDENED ROUND WASHER BELOW (1 EA) GRADE 8 NUT, SECURE WITH A SOCKET OR WRENCH UNTIL SNUG TIGHT. ALTERNATE WASHERS AND NUTS ARE PROVIDED IN TABLE NOTE 1.
2. INSTALLATION ON CONCRETE PROVIDES THE HIGHEST ALLOWABLE VALUES. CONFIRM WITH THE DESIGN PROFESSIONAL BEFORE INSTALLING ON OTHER SUPPORTING SURFACES.
3. USE 1/4"x4-1/2" MITEK® PRO SERIES™ WS SCREWS AT TOP CONNECTIONS WITH A 2x FILLER. IF THE TOP OF BRACE FRAME IS IN DIRECT CONTACT WITH THE COLLECTOR ABOVE (TOP PLATES, HEADER, BEAM, ETC.) USE 1/4" x 3" (MINIMUM)
4. FOR INSTALLATIONS WITH A FILLER GREATER THAN 1-1/2" ABOVE, OR WHEN SPECIFIED BY THE DESIGN PROFESSIONAL, ADJACENT KING POSTS TO BRACE THE OUT-OF-PLANE HINGE CAN BE CONNECTED TO THE BRACE FRAME WITH SELF-TAPPING SCREWS INSTALLED THROUGH HOLES PRE-DRILLED IN THE WOOD MEMBER OR WITH USP MP4F CONNECTORS ON EACH FACE OF THE FRAME TO THE WOOD MEMBER. FOR BOTH METHODS OF CONNECTING THE FASTENER QUANTITY IS DETERMINED BY THE BUILDING DESIGN PROFESSIONAL.

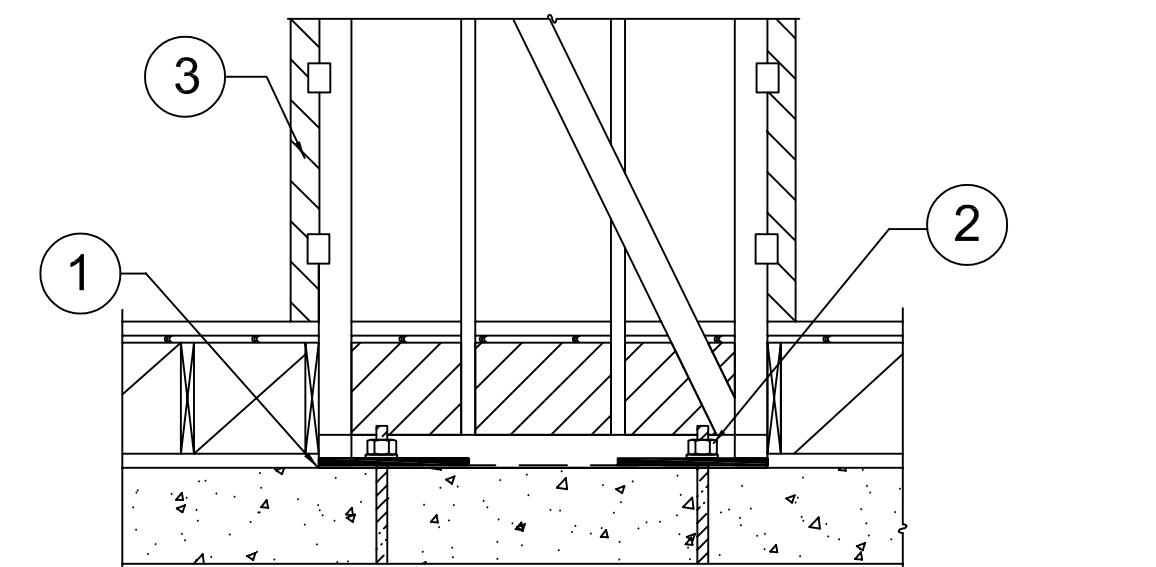


32" BRACE FRAME



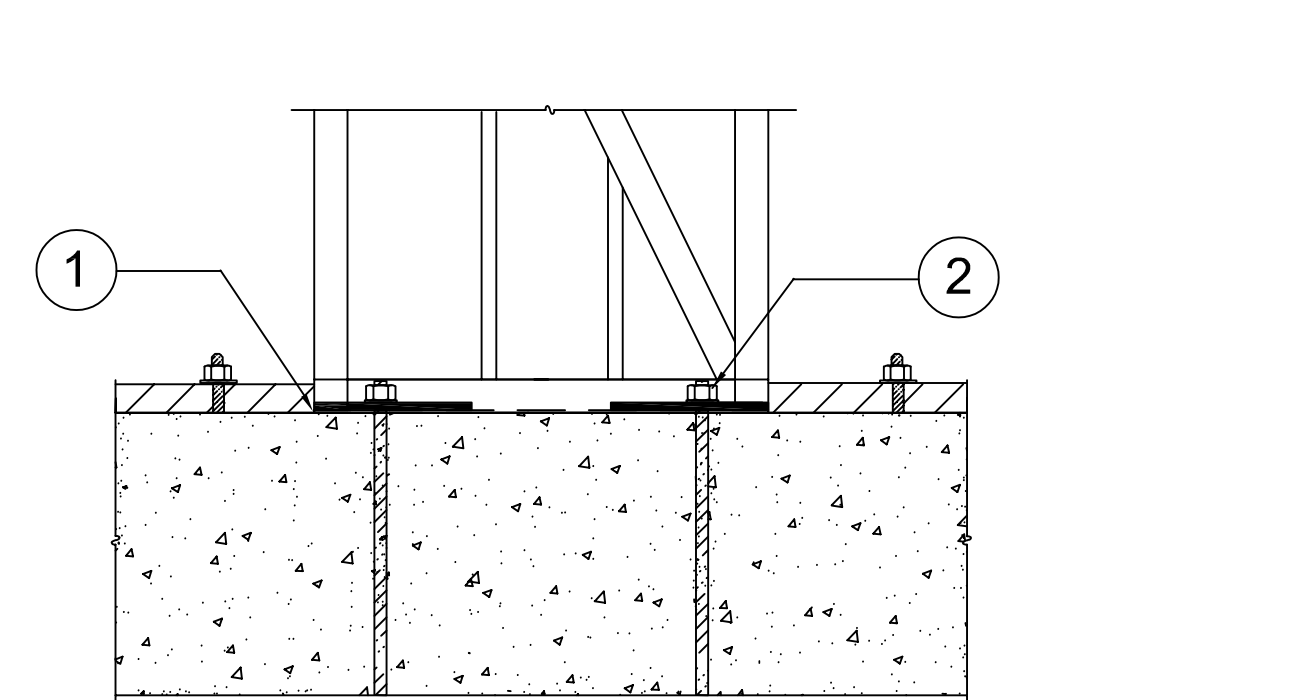
44" BRACE FRAME

HOLE PATTERN TOP & BOTTOM C



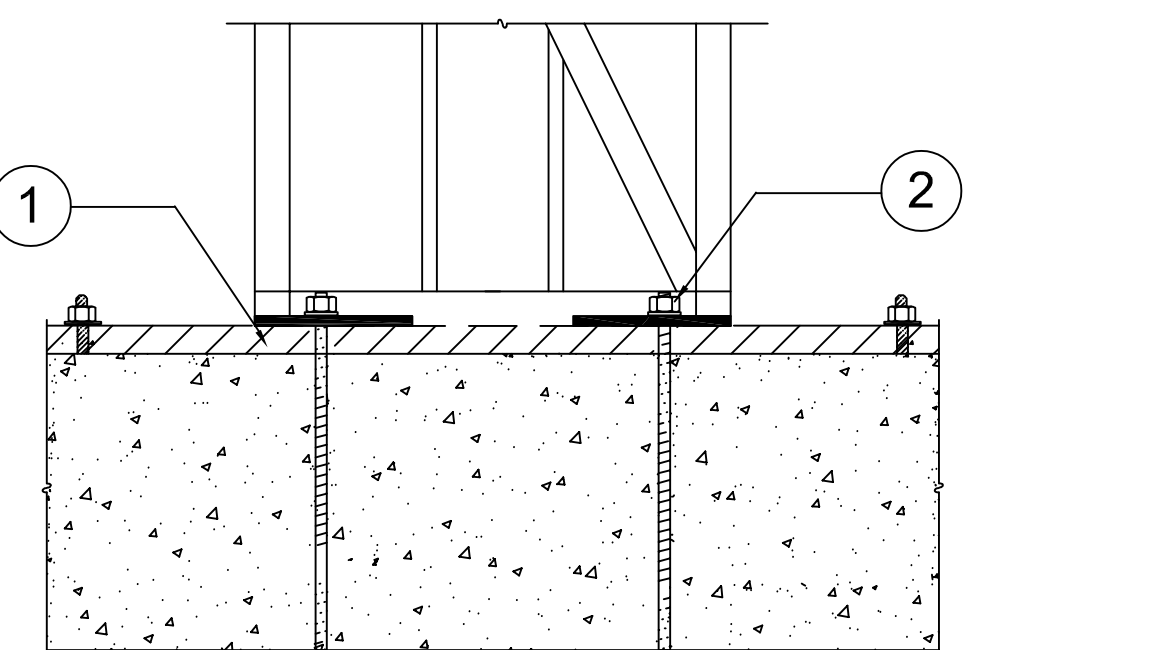
1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN BRACE FRAME BASE AND CONCRETE.
2. NUTS AND WASHERS PER TABLE NOTE 1.
3. ADJACENT FRAMING WITH #10 SELF-TAPPING SCREWS OR USP MP4F CONNECTORS BOTH SIDES OF FRAME WHEN INSTALLING A FILLER GREATER THAN 1-1/2" ABOVE OR WHEN SPECIFIED BY THE DESIGN PROFESSIONAL.

RAISED FLOOR HEAD-OUT 8



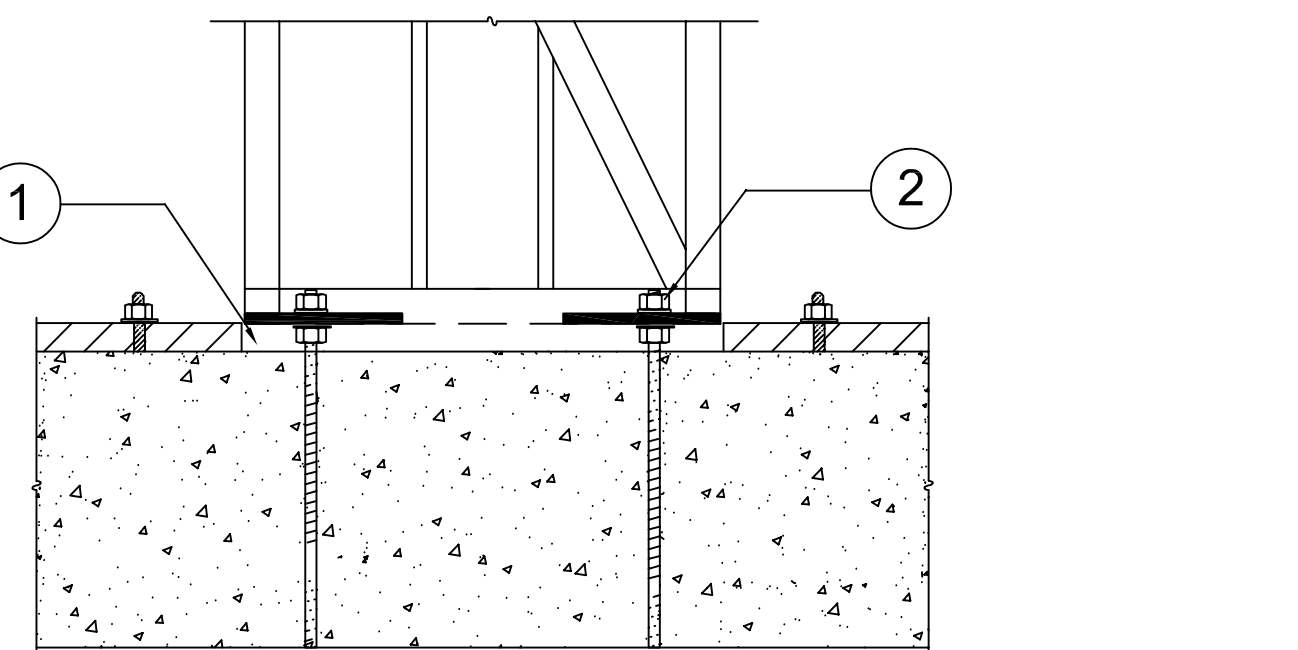
1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN PANEL BASE AND CONCRETE.
2. NUTS AND WASHERS PER TABLE NOTE 1.

INSTALLATION ON CONCRETE 7



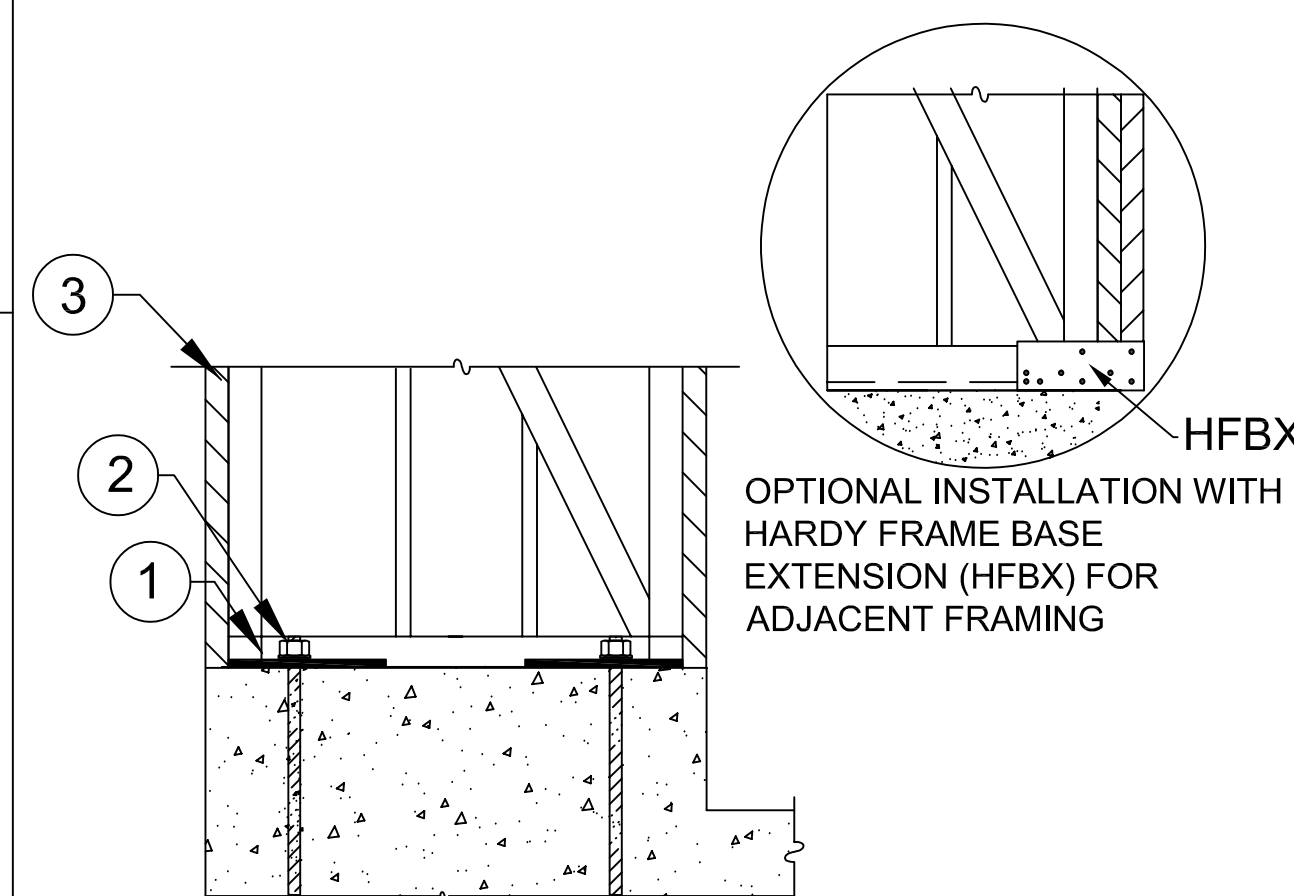
- ALLOWABLE VALUES ON 2x PLATE ARE LESS THAN ON CONCRETE
1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN PANEL BASE AND TREATED PLATE.
 2. NUTS AND WASHERS PER TABLE NOTE 1.

INSTALLATION ON 2x PLATE 11



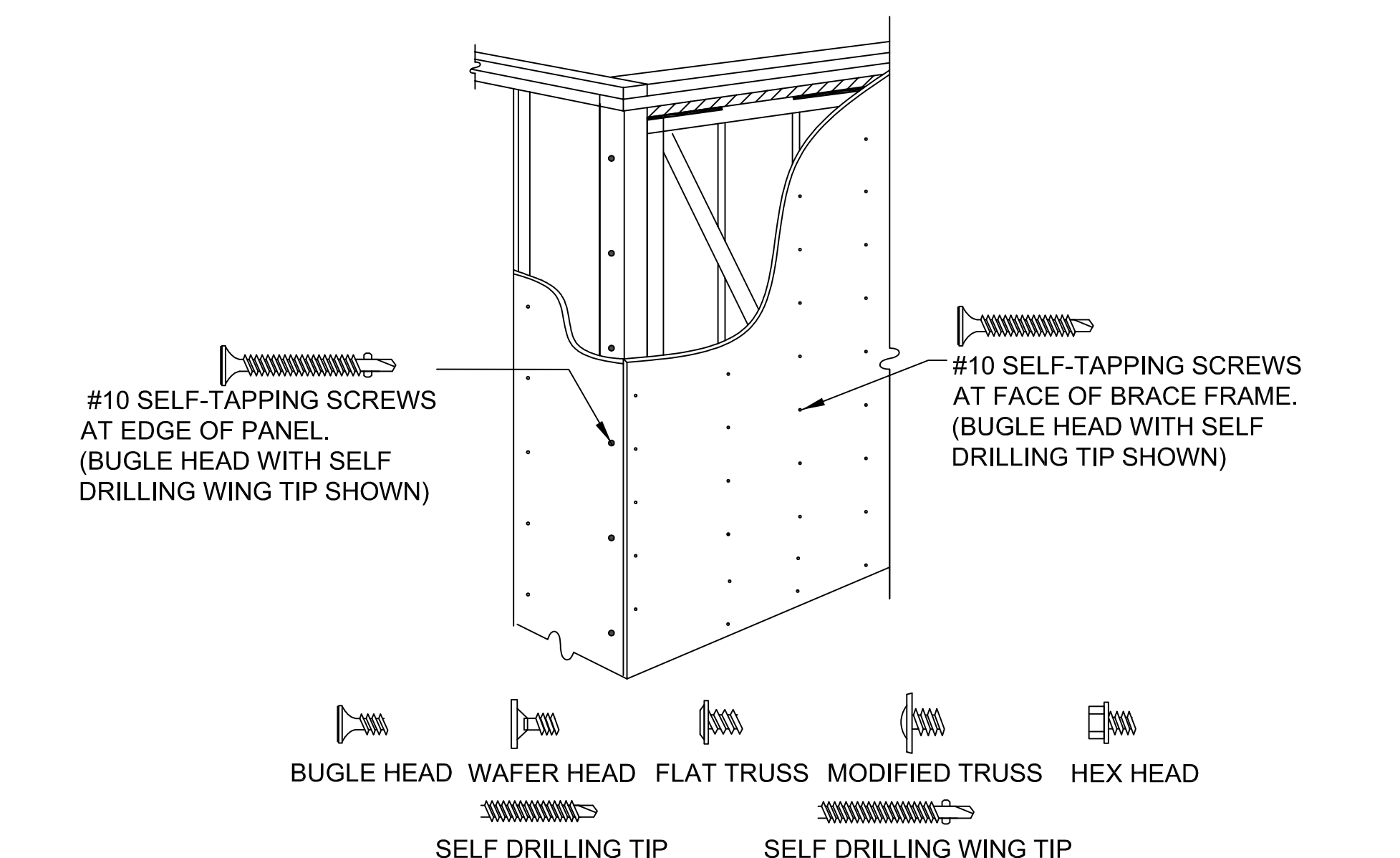
- ALLOWABLE VALUES ON N&W ARE LESS THAN INSTALLATION ON CONCRETE
1. PLUS OR MINUS 1-1/2" GAP TO BE FILLED WITH 5,000 PSI NON-SHRINK GROUT (MINIMUM).
 2. NUT AND WASHER GRADES PER TABLE NOTE 1.

INSTALLATION ON NUTS & WASHERS 10



1. 15# FELT OR EQUIVALENT MOISTURE BARRIER RECOMMENDED BETWEEN BRACE FRAME BASE AND CONCRETE.
2. NUTS AND WASHERS PER TABLE NOTE 1.
3. ADJACENT FRAMING OPTIONAL OR BY BUILDING DESIGN PROFESSIONAL.

INSTALLATION ON CURB 9



NOTES:

1. SURFACE FINISHES, CONNECTORS AND FIXTURES ARE ATTACHED TO THE BRACE FRAME FACE AND EDGES WITH # 10 SELF-TAPPING SCREWS SPACED NO LESS THAN 2-1/4" OC.
2. STRUCTURAL CONNECTIONS ARE TO BE DESIGNED BY THE DESIGN PROFESSIONAL.
3. STRUCTURAL HARDWARE USED TO TRANSFER LOADS SHOULD NOT EXCEED 12 GAUGE.

D

REVISIONS DATE

FRAMING DETAILS - HFX BRACE FRAMES

THIS DETAIL SHEET IS NOT PROPRIETARY AND IS NOT REQUIRED FOR PLAN SUBMITTAL WITH MITEK® HARDY FRAME® PRODUCTS

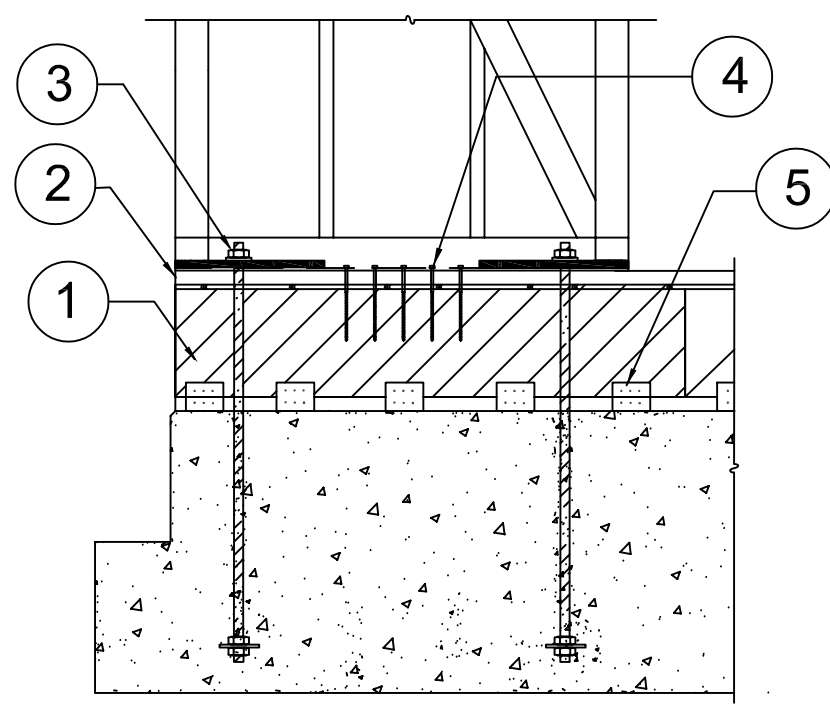
HARDY FRAME SHEAR WALL SYSTEMS
16023 SWINGLEY RIDGE RD
CHESTERFIELD, MO 63017
(800) 325-8075
WWW.HARDYFRAME.COM

Mitek®

DATE:
1-1-2023

HFX5

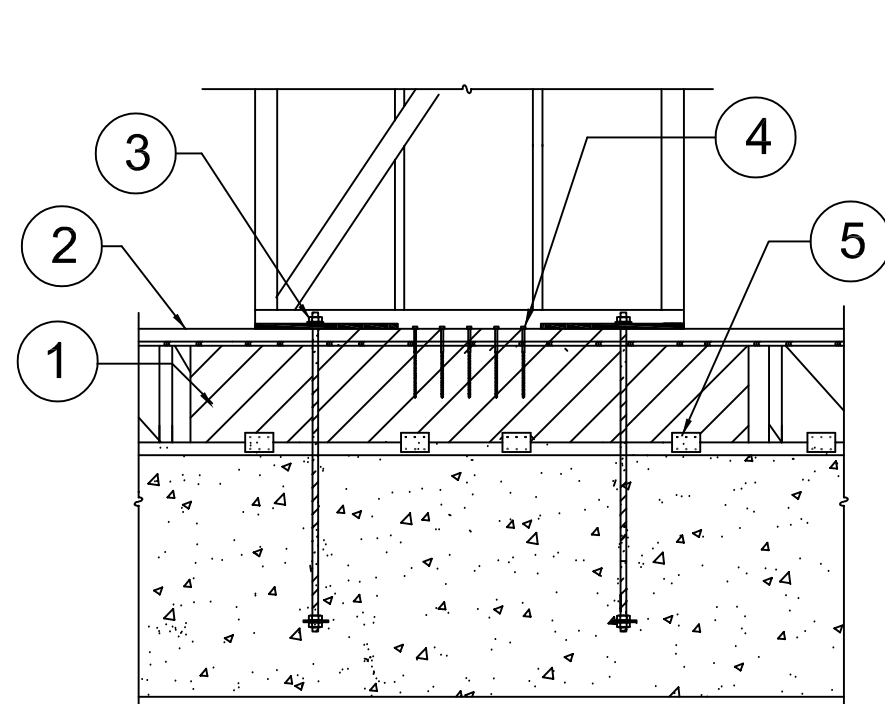
NOTE:
COUPLERS MAY BE USED WHEN THREADED ROD IS SUBJECT TO TENSION LOADS ONLY.



- 4x MINIMUM RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT
- WOOD PLATE BELOW BRACE FRAME
- NUTS AND WASHERS PER TABLE NOTE 1
- 1/4" x 4-1/2" (MIN) WS SCREWS PER TABLE NOTE 3
- USP MP4F CONNECTORS QUANTITY BY THE DESIGN PROFESSIONAL

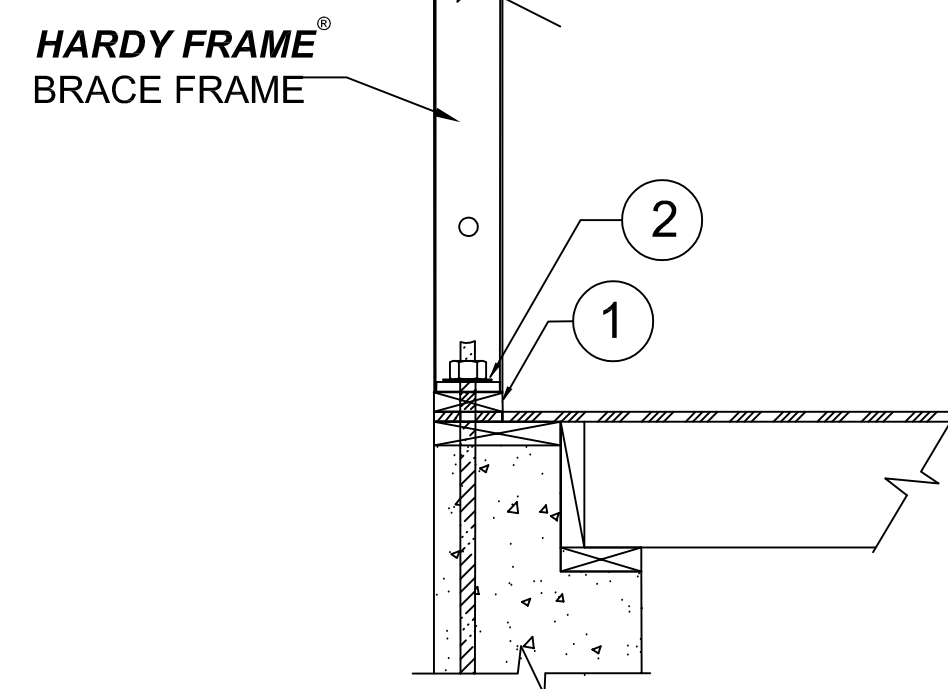
RAISED-OS CORNER 4

NOTE:
COUPLERS MAY BE USED WHEN THREADED ROD IS SUBJECT TO TENSION LOADS ONLY.



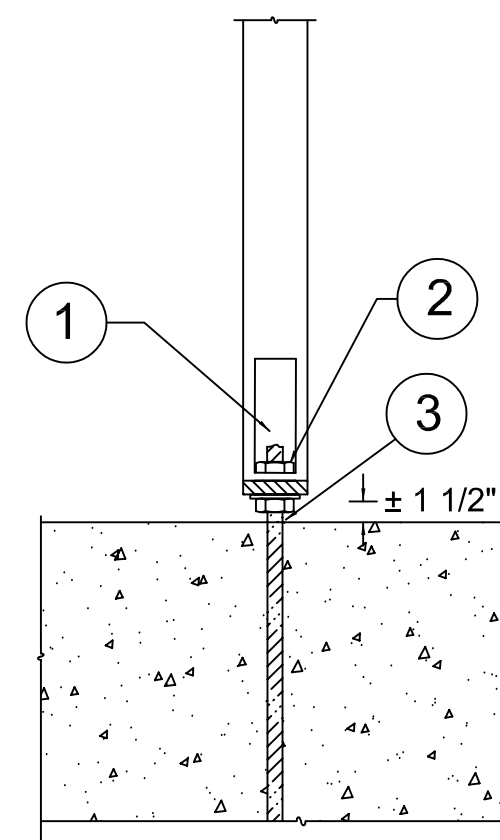
- 4x MINIMUM RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT
- WOOD PLATE BELOW BRACE FRAME
- NUTS AND WASHERS PER TABLE NOTE 1
- 1/4" x 4-1/2" (MIN) WS SCREWS PER TABLE NOTE 3
- USP MP4F CONNECTORS QUANTITY BY THE DESIGN PROFESSIONAL

RAISED FLOOR 3



- INSTALL BRACE FRAME ON 2x PLATE OVER SHEATHING
- NUTS AND WASHERS PER TABLE NOTES 1 AND 2

RAISED STEM WALL 2

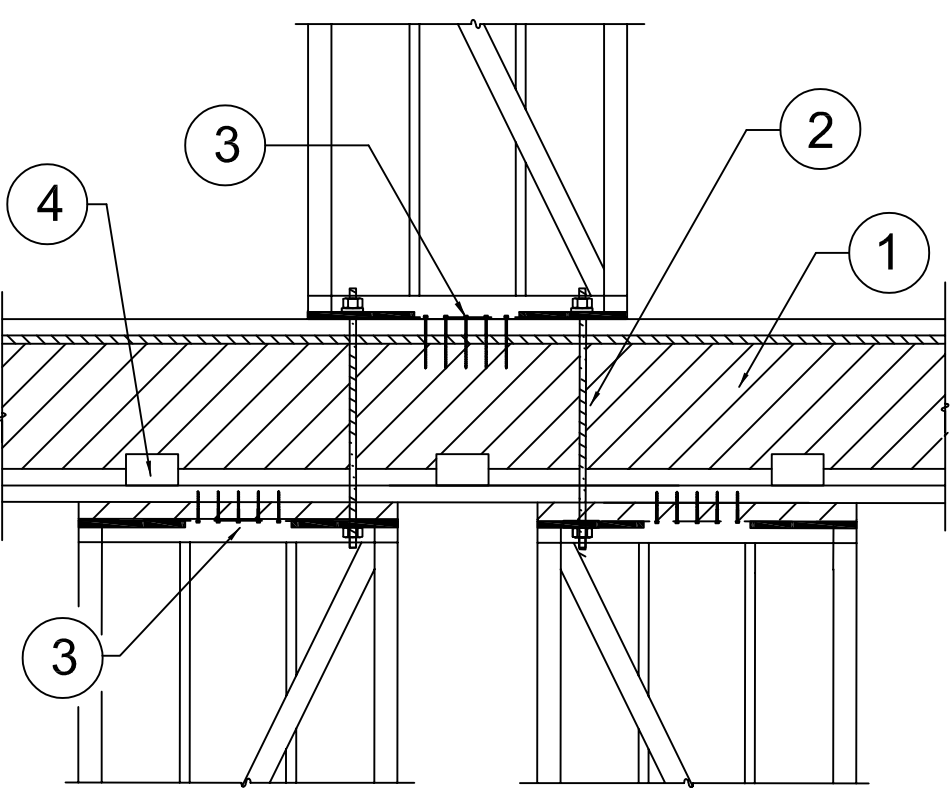


- ACCESS HOLE LOCATED AT EDGE OF POST. NUTS AND WASHERS PER TABLE NOTE 1.
- PLUS OR MINUS 1-1/2" GAP TO BE FILLED WITH 5,000 PSI STRENGTH NON-SHRINK GROUT (MIN).

POST ON N&W 1

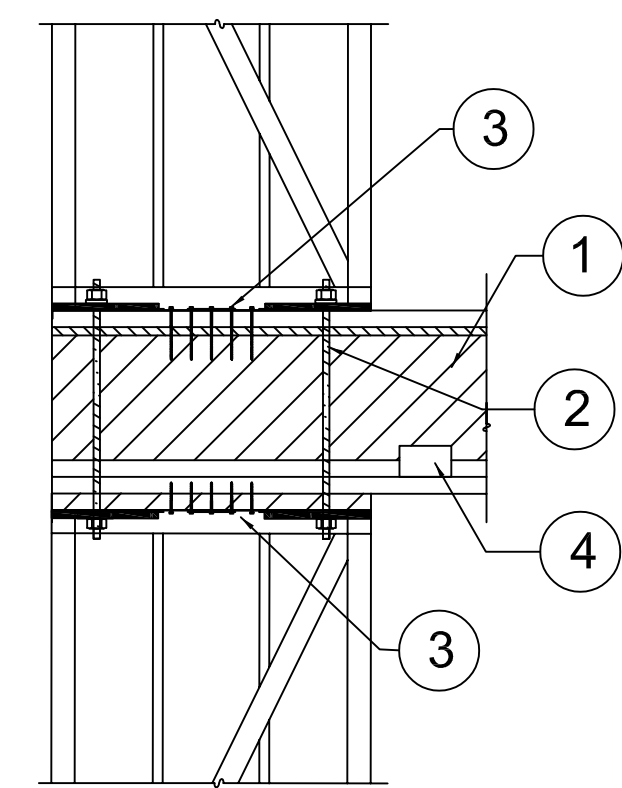
MODEL NUMBER	NET HEIGHT (in)	DEPTH (in)	Hold Down Diameter ¹ (in)	Top Screw ² Qty (ea)	Bottom Screw ³ Qty (ea)	Screw Qty Available at Edges (ea)
HFX-32x8	92-1/4	3-1/2	7/8	32" Width = 10	32" Width = 10	NA
HFX-44x8	104-1/4					
HFX-32x9	116-1/4			44" Width = 14	44" Width = 14	
HFX-44x9						
HFX-32x10	128-1/4					
HFX-44x10						
HFX-32x11	140-1/4					
HFX-44x11						
HFX-32x12	152-1/4					
HFX-44x12						
HFX-32x13						
HFX-44x13						

- TENSION ANCHORS SPECIFIED AS STANDARD GRADE (STD) MUST COMPLY WITH ASTM F1554 GRADE 36 (OR EQUAL) TENSION ANCHORS SPECIFIED AS HIGH STRENGTH (HS) MUST COMPLY WITH ASTM A 193 GRADE B7 (OR EQUAL). TENSION ANCHORS (BOTH GRADES) CONNECT TO THE UPPER AND LOWER BRACE FRAMES WITH HARDENED ROUND WASHERS AND GRADE 8 NUTS. ALTERNATE WASHERS ARE (2 EA) ROUND-FLAT OR (2 EA) SAE WASHERS AT EACH ANCHOR CONNECTION. ALTERNATE NUTS ARE 2H HEAVY HEX.
- 1/4" DIAMETER MITEK[®] PRO SERIES[™] WS SCREWS. LENGTH IS 3" (MINIMUM) WHEN ATTACHING DIRECTLY TO THE COLLECTOR AND 4-1/2" (MINIMUM) WHEN INSTALLING A 2x FILLER ABOVE THE BRACE FRAME.
- 1/4" DIAMETER MITEK[®] PRO SERIES[™] WS SCREWS. LENGTH IS 4-1/2" (MINIMUM) AT CONNECTIONS TO FLOOR SYSTEMS AND BEAMS BELOW.



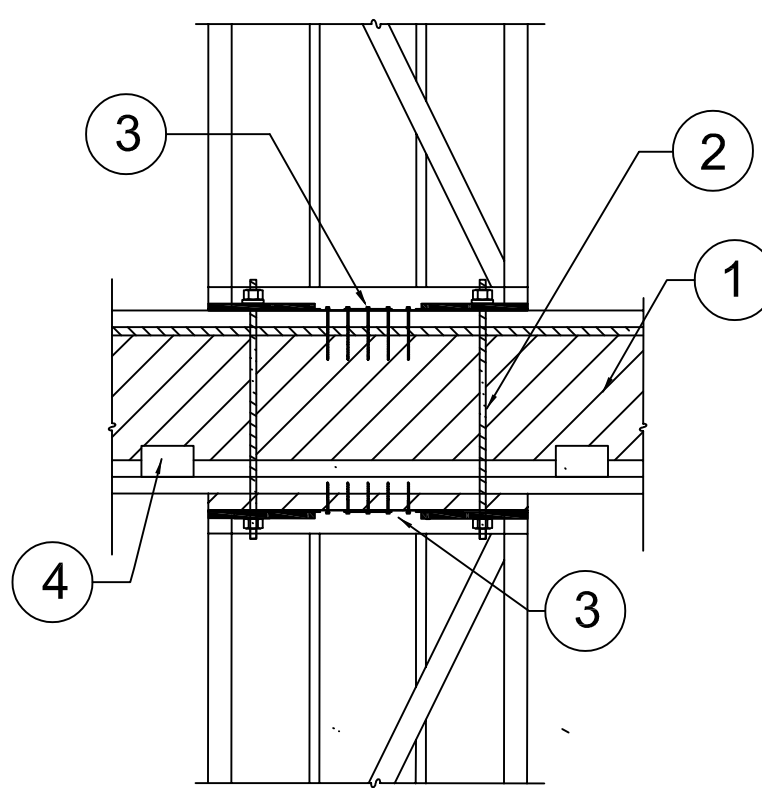
- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

PYRAMID STACK 8



- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

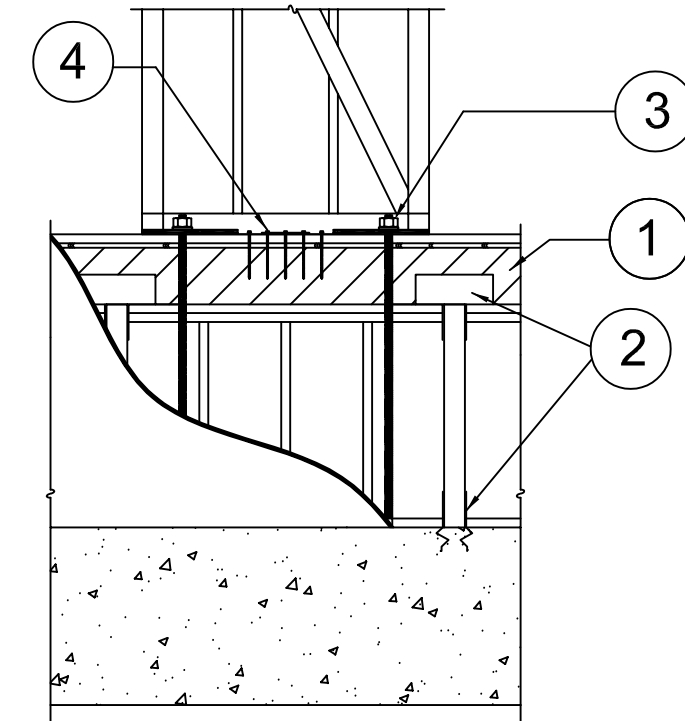
STACK @ OS CORNER 7



- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

STRAIGHT STACK 6

NOTE:
COUPLERS MAY BE USED WHEN THREADED ROD IS SUBJECT TO TENSION LOADS ONLY.



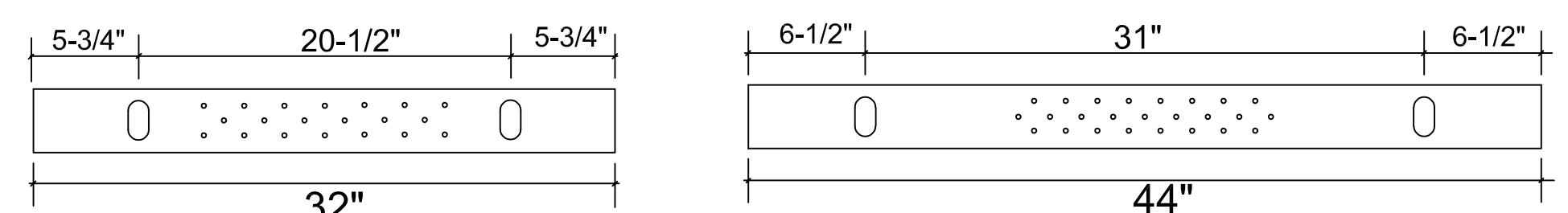
- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- USP POST CAP AND POST BASE BY THE BUILDING DESIGN PROFESSIONAL.
- NUTS AND WASHERS PER TABLE NOTE 1.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.

CRIPPLE WALL 5

INSTALLATION ON FLOOR SYSTEM INSTRUCTIONS

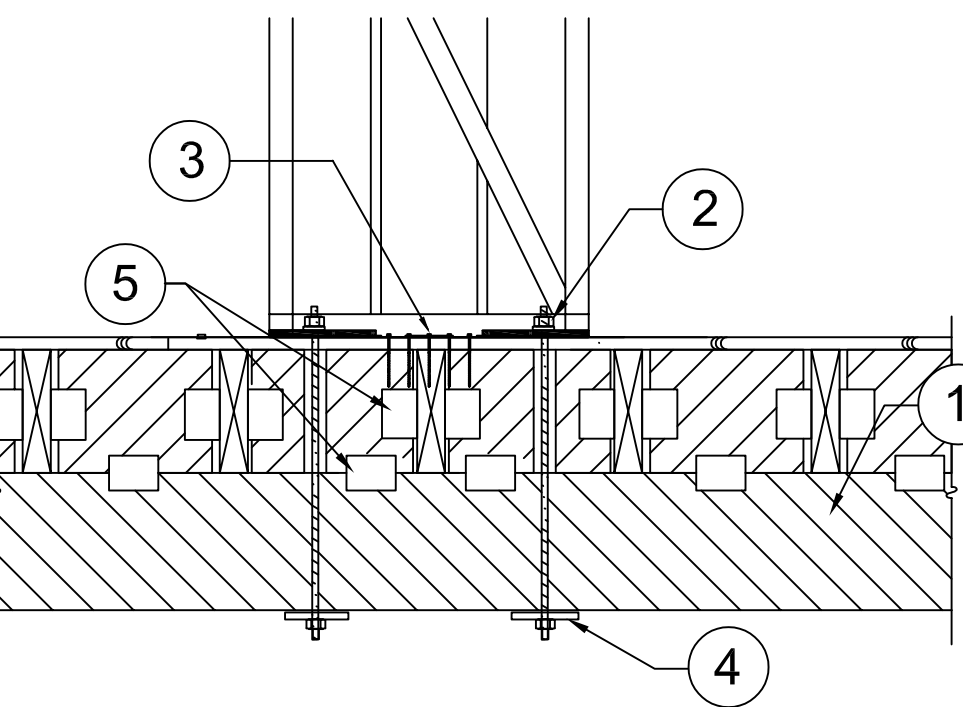
- WITH HOLES PRE-DRILLED FOR 7/8" DIA. TENSION ANCHORS, INSTALL A SOLID 4x (MINIMUM) RIM IN FLOOR SYSTEM AT BRACE FRAME LOCATION. ALLOWABLE VALUE TABLES ASSUME THE RIM IS ENGINEERED WOOD PRODUCT (EWP).
- AFTER FLOOR SHEATHING, CUT AND PLOT THE BOTTOM PLATE OR THE PLATE CAN BE CONTINUOUS.
- INSTALL THE FRAME ON THE WOOD PLATE AND SECURE ANCHORS WITH HARDENED ROUND WASHERS AND GRADE 8 NUTS TO BE SNUG TIGHT.
- WHEN STACKING FRAMES, CONNECT THE LOWER FRAME TO THE UPPER FRAME WITH TENSION ANCHORS (GRADE PER PLANS) AND SECURE AT BOTH ENDS WITH HARDENED ROUND WASHERS AND GRADE 8 NUTS TO BE SNUG TIGHT. *HARDY FRAME*[®] BRACE FRAMES AND POSTS (HFP) INCLUDE PLATE WASHERS PRE-WELDED IN THE TOP AND BOTTOM CHANNELS.
- INSTALL 1/4"x4-1/2" (MIN) MITEK[®] PRO SERIES[™] SCREWS THROUGH THE BOTTOM CHANNEL. SEE TABLE FOR MINIMUM QUANTITY.
- WHEN JOINTS IN FRAMING MEMBERS OCCUR AT SCREW LOCATIONS, INSTALL ADDITIONAL SCREWS.
- FOR STANDARD WALL HEIGHTS, INSTALL 1/4"x3" (MIN) MITEK[®] PRO SERIES[™] WS SCREWS THROUGH THE TOP CHANNEL INTO THE COLLECTOR. SEE TABLE FOR MINIMUM QUANTITIES.

NOTE: INSTALLATIONS MAY VARY WITH JOB SPECIFIC CONDITIONS AND/OR SPECIFICATIONS BY THE DESIGN PROFESSIONAL.



32" BRACE FRAME HOLE PATTERN TOP & BOTTOM 32" 44" BRACE FRAME HOLE PATTERN TOP & BOTTOM C

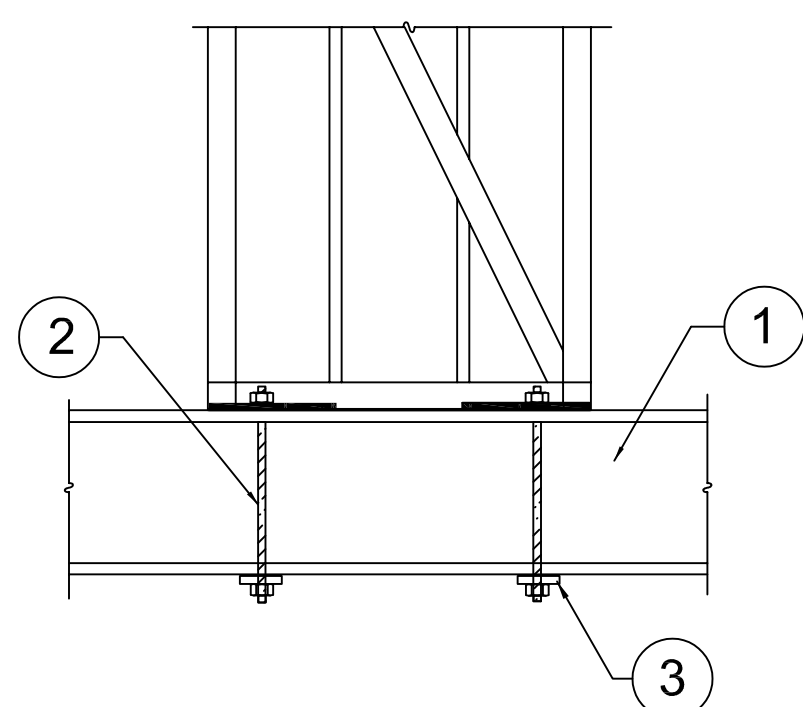
LOAD PATH FROM BEAM TO FOUNDATION AND CHECK THAT PANEL DRIFT IS WITHIN CODE LIMIT BY BUILDING DESIGN PROFESSIONAL.



- DROP BEAM WITH FLOOR JOIST ABOVE PER PLAN. 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- BEARING PLATE WASHER AT UNDERSIDE OF BEAM SIZED PER BUILDING DESIGN PROFESSIONAL TO LIMIT CRUSHING FROM TENSION ANCHOR FORCES.
- USP CONNECTORS BY DESIGN PROFESSIONAL

DROP BM - FL SYSTEM 14

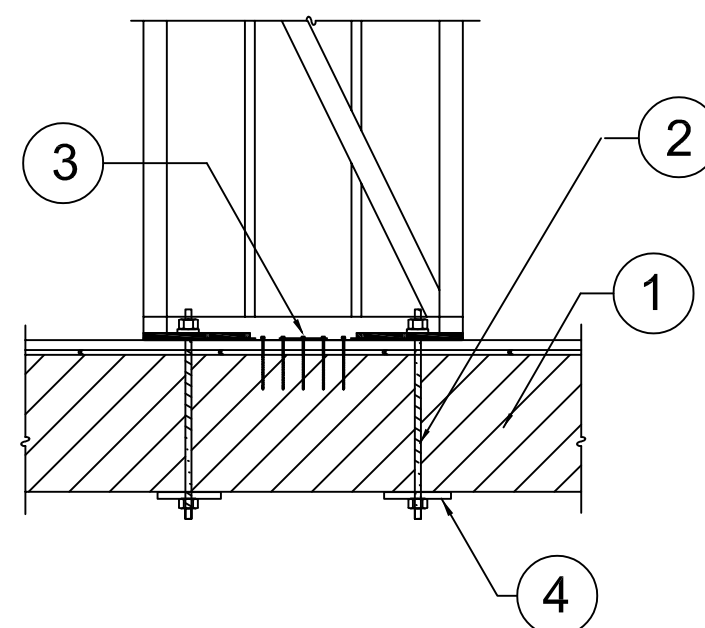
LOAD PATH FROM BEAM TO FOUNDATION AND CHECK THAT PANEL DRIFT IS WITHIN CODE LIMIT BY BUILDING DESIGN PROFESSIONAL.



- STEEL BEAM PER PLAN
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- PLATE WASHER AT UNDERSIDE OF STEEL BEAM IF SPECIFIED BY THE BUILDING DESIGN PROFESSIONAL.

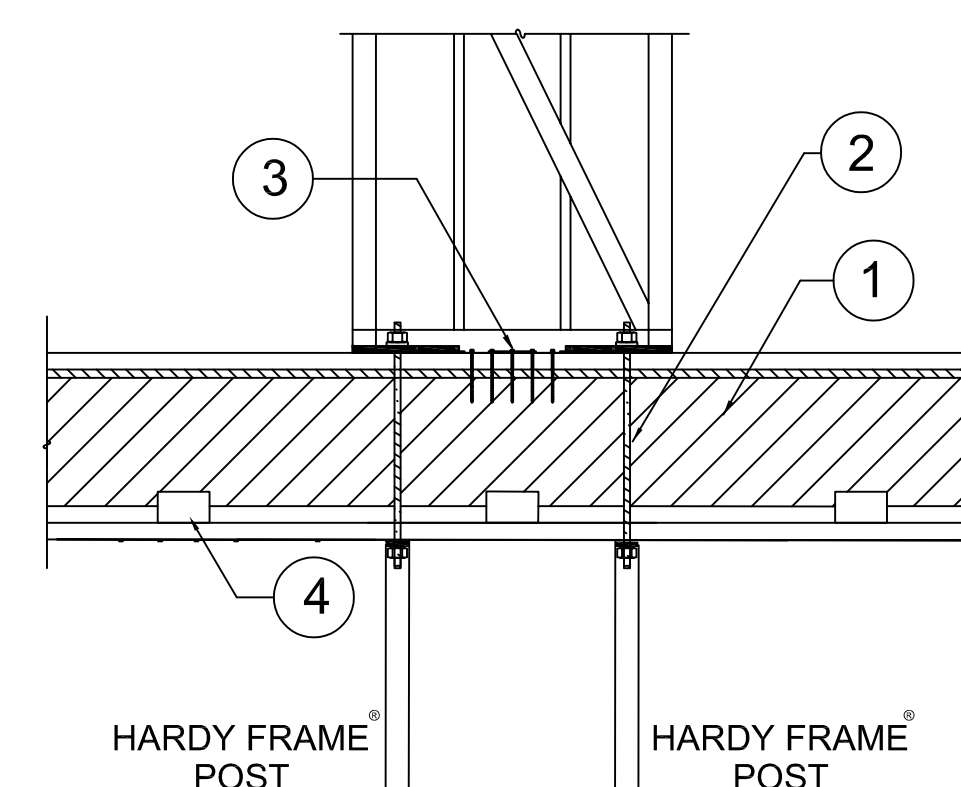
STEEL BM THRU-BOLT 13

LOAD PATH FROM BEAM TO FOUNDATION AND CHECK THAT PANEL DRIFT IS WITHIN CODE LIMIT BY BUILDING DESIGN PROFESSIONAL.



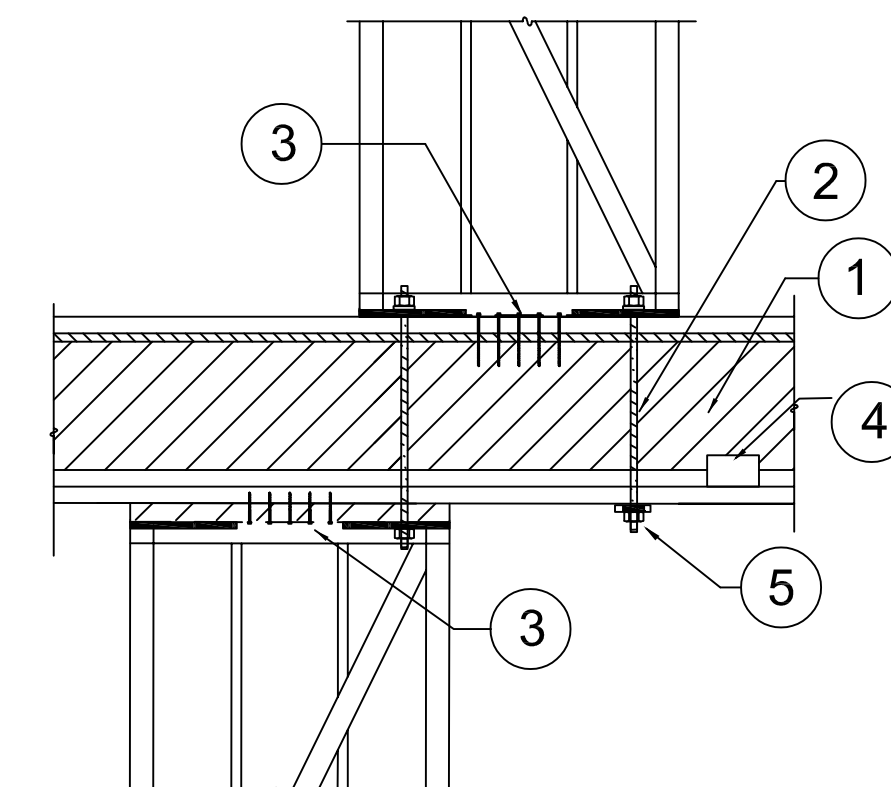
- WOOD BEAM PER PLAN.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- BEARING PLATE WASHER AT UNDERSIDE OF BEAM SIZED PER BUILDING DESIGN PROFESSIONAL TO LIMIT CRUSHING FROM TENSION ANCHOR FORCES.

WOOD BM THRU-BOLT 12



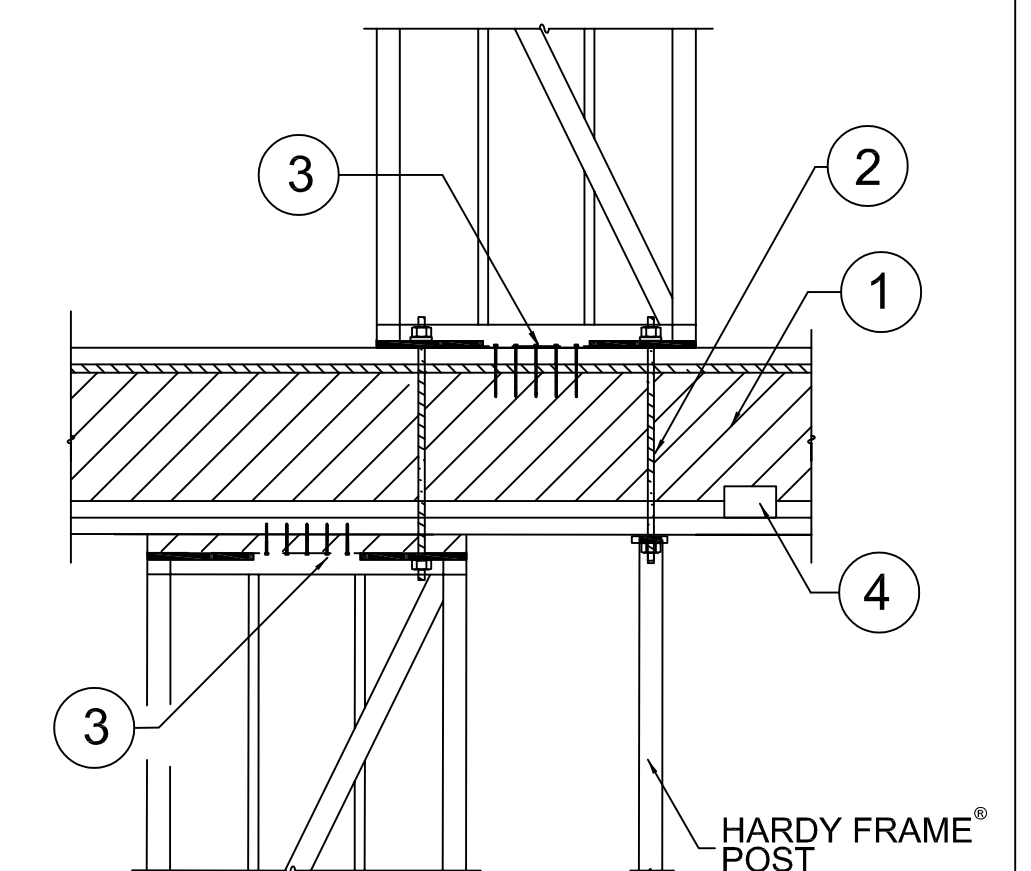
- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

HFP POSTS BELOW 11



- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.
- BEARING PLATE WASHER AT UNDERSIDE OF BEAM SIZED PER BUILDING DESIGN PROFESSIONAL TO LIMIT CRUSHING FROM TENSION ANCHOR FORCES.

STAGGERED THRU-BOLT 10



- 4x (MIN) RIM, ALLOWABLE VALUE TABLES ASSUME ENGINEERED WOOD PRODUCT.
- 7/8" DIA. HOLD DOWN AND N&W PER TABLE NOTE 1 ARE PROVIDED IN *HARDY FRAME*[®] HFTC KIT.
- 1/4" x 4-1/2" (MIN) WS SCREWS, QUANTITY PER TABLE.
- USP MP4F CONNECTORS, QUANTITY BY BUILDING DESIGN PROFESSIONAL.

STAGGERED-HFP POST 9

REVISIONS DATE

FLOOR SYSTEMS - HFX BRACE FRAMES

THIS DETAIL SHEET IS NOT PROPRIETARY AND IS NOT REQUIRED FOR PLAN SUBMITTAL WITH MITEK[®] HARDY FRAME[®] PRODUCTS

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

Mitek[®]

DATE:
1-1-2023

HFX6