

ATMI Precast

Building Precast Solutions

ITEMS OF INFORMATION - Required by ATMI for Shop Drawings

July 9, 2019

Design Criteria

- Building Code and fire Rating(s), if and where required
- Building Live Loads including Surcharge Live Load on Slab-on-Grade
- Wind Loading for Building Structure and Wind Loading for Cladding and Components
- Seismic Loading (ATMI assumes a Seismic Response Modification Coefficient of R=3 and designs precast walls as "Ordinary Precast Shear Walls")
- Snow Loading
- Equivalent fluid pressure for precast walls below grade (e.g., dock walls) (in "dry condition" and in active state)

Architectural

- Assumed panel thickness, panelization (ATMI standard joint width is 1/2-inch) and panel finishes
- Typical panel widths are nominal 14'-0", 13'-0" and/or 12'-0" wide panels
- 18-inch minimum jamb at openings required (minimum width from edge of panel to edge of any opening)
- Top and bottom of precast panel elevations (ATMI assumes 1-inch grout annular space between bottom of panel and top of footing/foundation)
- Expansion joints (EJ's should occur in wall panels where a roof EJ occurs; ATMI prefers roof EJ's align with wall panel joints, if not, EOR must fully detail sliding joints in roof; EJ width, anticipated in-plane and out-of-plane movements, and EJ material, are the responsibility of the AOR/EOR to design and detail).
- Scupper size and location, if required
- Reveal size and locations (ATMI standard reveal depth is 1/2-inch)
- Rough opening sizes (windows, doors, dock doors, clerestory windows, etc.)
- Location of drips, wash, chamfers, etc. (see ATMI standard details)
- Precast joints (butt, mitre, lapped, etc. see ATMI standard details). ATMI prefers butt or lapped precast joints.

Structural

- Foundation Plans/details with T/Foundation identified (i.e., bottom of panel) including steps in foundations.
- ATMI assumes all panels founded at -(3'-0") or greater will be tied back to SOG with floor ties. ATMI will provide floor tie loads for design of SOG by EOR.
- Roof Framing Plans and details, with loads as outlined.
- Provide all loads as Service Loads (or identify as ultimate loads)
- Gravity Loads (typically service loads)
 - ✓ Deck loading; DL, LL, uplift (plf)
 - ✓ Joist/Beam/Joist Girder loadings, DL, LL, N (axial tension), uplift (kips)
- Lateral Loads (diaphragm shears due to wind and seismic) imposed on precast due (plf at roof and mezzanines)
 - ✓ Indicate whether or not seismic lateral loads noted take into account the weight of panels parallel to direction of seismic load
 - ✓ Identify diaphragm chord element and if required, splices, and identify collectors, if required
- Special Loads - Provide DL, LL, N (axial tension), uplift (kips) for each condition:
 - ✓ Canopies; Awnings; Wind girts; and other structural elements attached to precast
 - ✓ Provide detail and galvanizing (or other protection) requirements
- Bottom of roof deck and bottom of mezzanine deck elevations (ATMI prefers, and unless directed otherwise, bids and assumes constant elevation bottom of deck elevations)
- Identify fixed and sliding sides of EJ's; detail sliding connections fully through roof framing until the EJ aligns properly with vertical wall panel expansion joints; ATMI prefers not to have sliding joints at edges of spandrel beams if possible. Also see Expansion Joint comments under Architectural.
- Details: See ATMI standard details attached.

STANDARD SHOP DRAWING DETAILS

12/30/2022




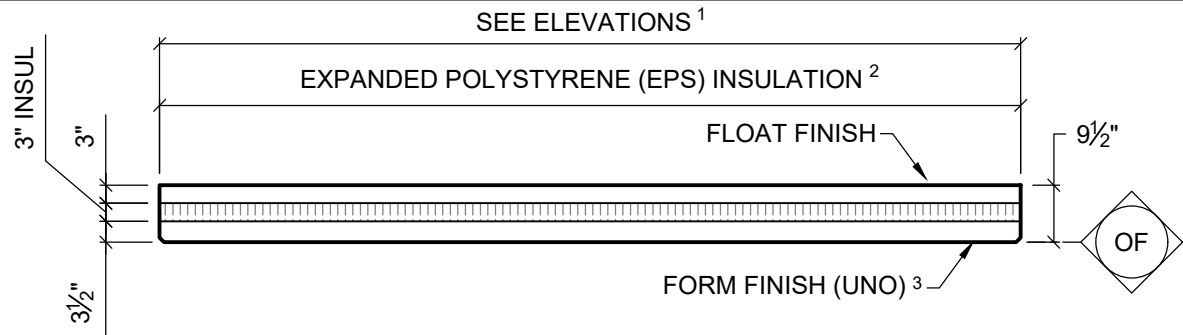
960 RIDGEWAY AVE
AURORA, IL 60506
630-896-4679



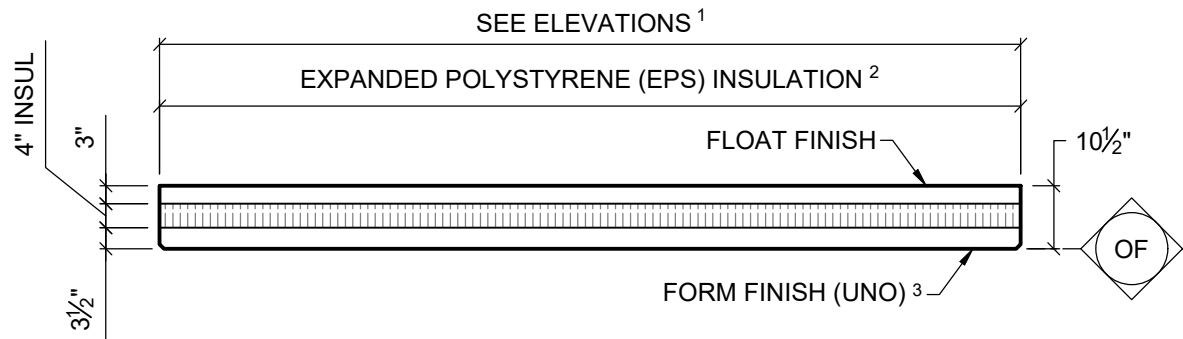
6324 W. STONER DR
GREENFIELD, IN 46140
317-891-6280

XX	STANDARD PANEL CROSS SECTIONS	09/06/2018	D69	3/4" EDGE CHAMFER	△1	12/30/2022
D1E	BASE CONNECTION AT TRENCH FOOTING	12/30/2022	D70	3/4" EDGE CHAMFER ON EACH FACE	△1	12/30/2022
D1F	BASE CONNECTION AT TRENCH FOOTING	12/30/2022	D71	DRIP REVEAL	△1	12/30/2022
D4A	FLOOR TIE	△1 12/07/2022	D72	SILL WASH	△1	12/30/2022
D6	PRECAST COLUMN AT FOUNDATION	11/02/2020	D73	PANEL JOINT	△1	12/30/2022
D20	BEAM POCKET	△3 01/28/2020	D74	FIRE RATED PANEL JOINT	△1	12/30/2022
D20AB	BEAM POCKET EXPLODED VIEW & ENLARGED DETAIL	01/09/2017	D75	REINFORCING AROUND OPENINGS	△3	12/30/2022
D21	BEAM POCKET AT JOINT (SECTION)	△3 01/28/2020	D76	DETAILING AROUND FUTURE OPENINGS	△1	03/28/2022
D21A	BEAM POCKET AT JOINT (ELEVATION)	△1 01/28/2020	D77A	EXPANSION JOINT		12/30/2022
D23	BEARING EMBED	△3 01/28/2020	D80	PLANK BEARING ANGLE	△4	01/28/2020
D30	JOIST GIRDER POCKET	△3 01/28/2020	D81	PLANK BEARING EMBED	△3	01/28/2020
D31	JOIST GIRDER POCKET AT PANEL JOINT (SECTION)	△4 01/28/2020	D82	PLANK BEARING T/PRECAST	△2	08/05/2019
D32	JOIST GIRDER POCKET AT PANEL JOINT (ELEVATION)	01/09/2017	D83	PLANK NON-BEARING	△1	08/15/2018
D33	PERPENDICULAR NOTCHED BEARING	△1 01/28/2020	D90	UTILITY ROOM SLAB BEARING	△1	01/28/2020
D34	PARALLEL NOTCHED BEARING	△1 01/28/2020	D91	INSIDE BEARING UTILITY ROOM	△1	01/28/2020
D36	BEARING ANGLE	△1 07/01/2019	D92	NON-BEARING UTILITY ROOM	△1	01/28/2020
D37	BEARING EMBED	△2 03/28/2018	D93	UTILITY ROOM SLAB TO SLAB INTERMITTENT CONNECTION	△1	01/28/2020
D39	PANEL TO PANEL TIE BACK	△1 01/28/2020	D94	UTILITY ROOM SLAB BEARING DETAIL	△2	01/28/2020
D40	DECK BEARING EMBED ANGLE	01/09/2017				
D41	DECK BEARING AT INTERMITTENT EMBED	△1 01/28/2020				
D44	ALIGNMENT/SHEAR CONNECTION	△1 10/04/2019				
D45	EXPANSION JOINT ALIGNMENT CONNECTION	△2 01/28/2020				
D46	PANEL CONNECTION	△1 01/28/2020				
D47	SHEAR CONNECTION	△1 10/28/2019				
D50	MITER CORNER	01/09/2017				
D51	OUTSIDE BUTT CORNER	△1 01/28/2020				
D52	INSIDE BUTT CORNER	△1 01/28/2020				
D53	OVERLAP CORNER	△1 01/28/2020				
D54	HIDDEN PANEL CONNECTION	△1 01/28/2020				
D60	SPANDREL SUPPORT	△2 01/28/2020				
D64A	SPANDREL TO STEEL COLUMN	12/30/2022				
D66	VERTICAL/HORIZONTAL REVEAL	01/09/2017				
D67	CAULK CORNER	△1 12/30/2022				

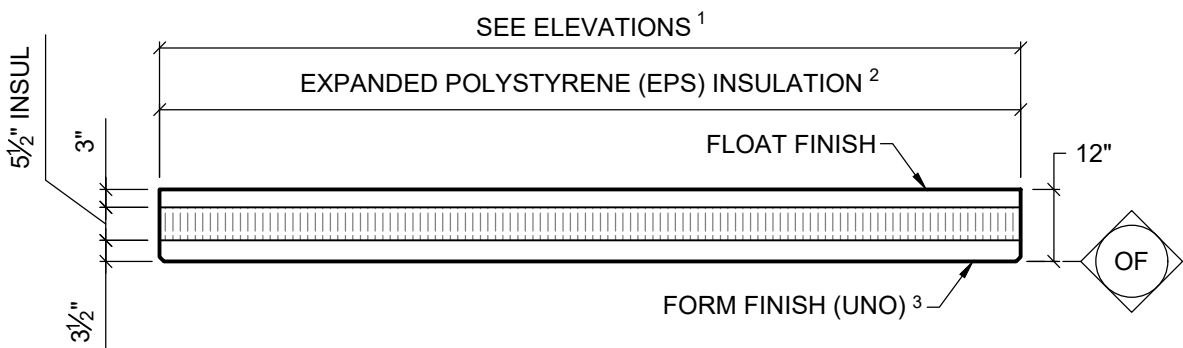
	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		
	ISSUED: 12/30/2022	REVISED: △0	



XX 9 1/2" PANEL SECTION
SCALE: 3/8" = 1'-0"



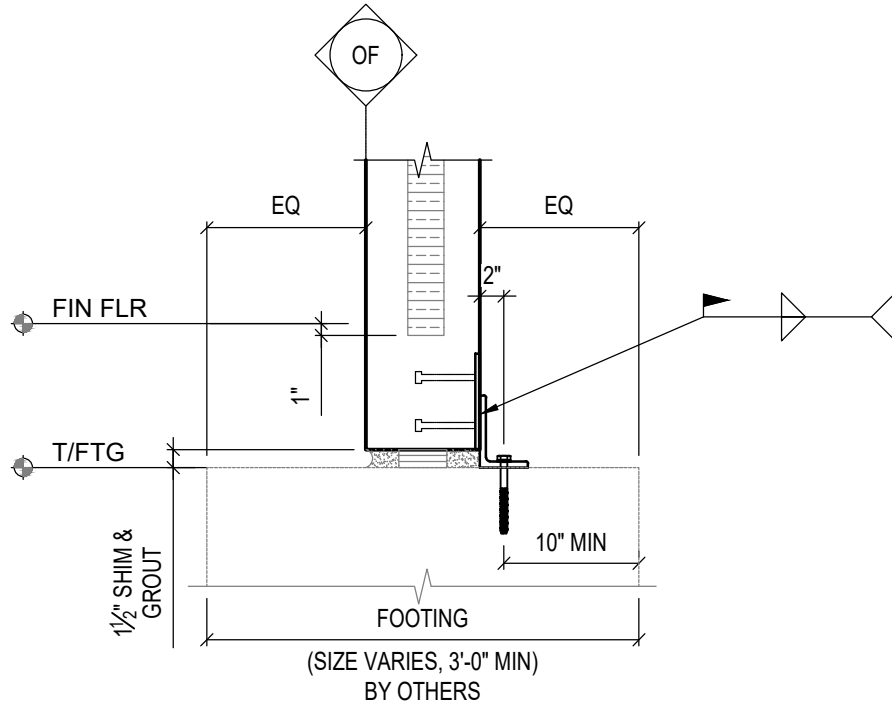
XX 10 1/2" PANEL SECTION
SCALE: 3/8" = 1'-0"




XX 12" PANEL SECTION
SCALE: 3/8" = 1'-0"

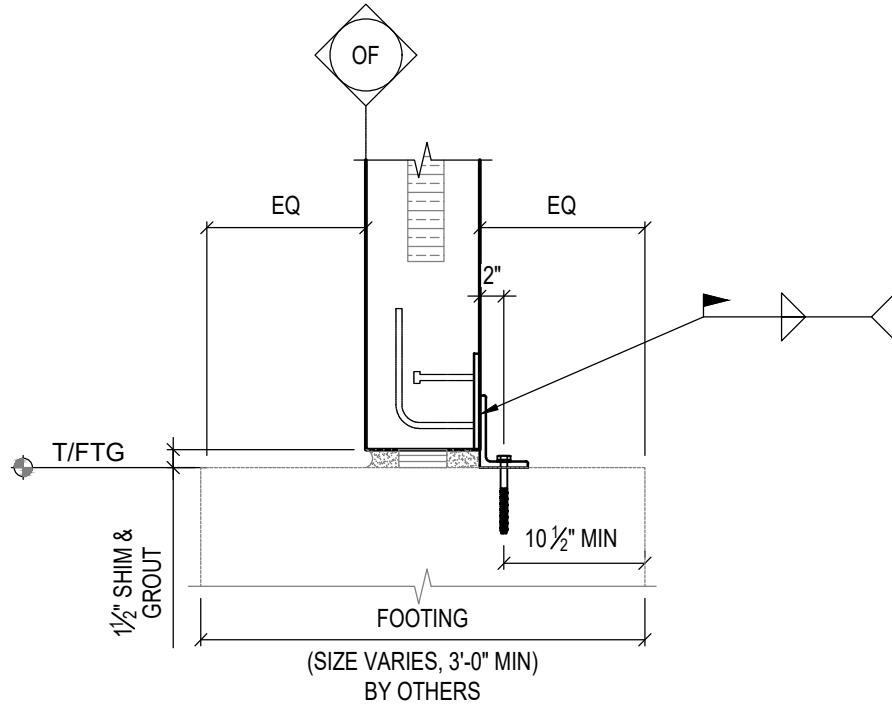
- NOTES:**
1. PANEL WIDTHS SHOWN ON ELEVATIONS ARE NOMINAL PANEL WIDTHS. ACTUAL PANEL SIZE ACCOUNTS FOR PRECAST JOINTS (ATMI STANDARD DETAIL D73).
 2. INSULATION MAY NOT BE CONTINUOUS AS SHOWN. SOLID AREAS ARE REQUIRED AT DUNNAGE, EMBEDDED MATERIAL LOCATIONS, AND ANY AREAS DEEMED NECESSARY TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE PRECAST MEMBER.
 3. CONCRETE IS COMPOSED OF NATURAL MATERIALS. VARIATIONS IN AESTHETIC APPEARANCE (e.g. COLOR, TEXTURE) SHOULD BE EXPECTED WITH ATMI PRECAST'S STANDARD GRAY MIX.
 4. REFER TO INDIVIDUAL PANEL MANUFACTURING DRAWINGS FOR STRAND, TRUSS, AND REBAR LOCATIONS.

	TITLE: STANDARD PANEL CROSS SECTIONS	BY: ATMI
	PROJECT: STANDARDS	XX
	ISSUED: 09/06/2018	




**BASE CONNECTION
AT TRENCH FOOTING**
 (D1E) SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D1E</h1>
	ISSUED: 12/30/2022	

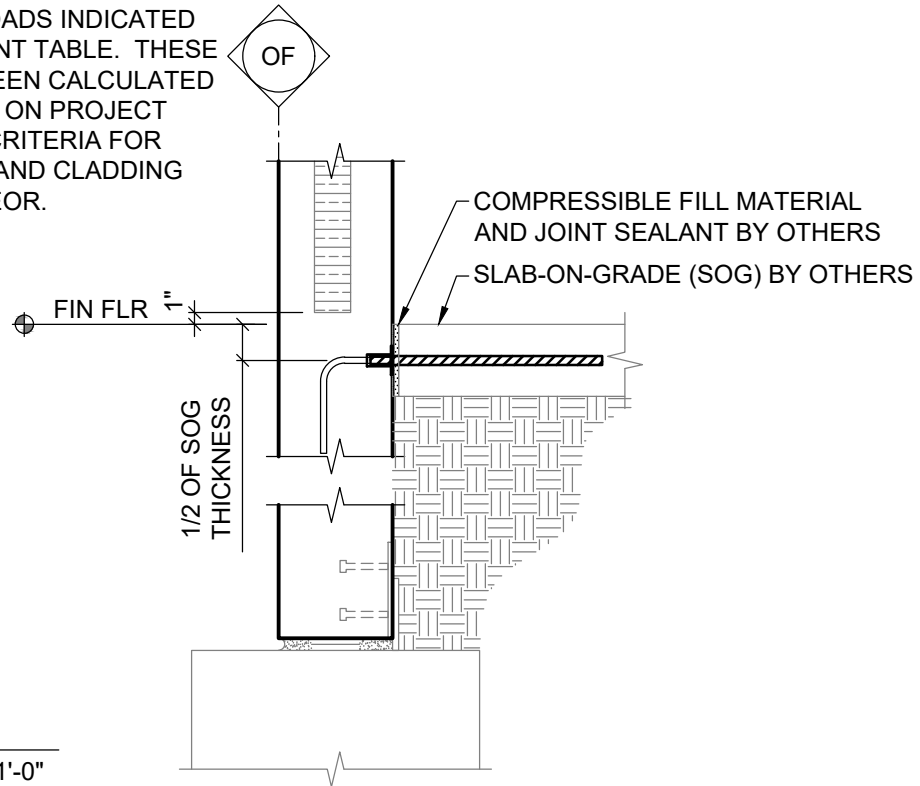


**BASE CONNECTION
 AT TRENCH FOOTING**
 D1F
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D1F</h1>
	ISSUED: 12/30/2022	

NOTES:

1. DESIGN OF THREADED REBAR IS BASED ON 4-INCH THICK (MINIMUM) CONVENTIONAL, CAST-IN-PLACE CONCRETE SOG WITH AN $f_c = 3,000$ PSI. EOR TO NOTIFY ATMI OF ANY EXCEPTIONS TAKEN.
2. EOR TO VERIFY REQUIREMENT OF SOG REINFORCEMENT BASED ON SERVICE LOADS INDICATED IN THE ADJACENT TABLE. THESE LOADS HAVE BEEN CALCULATED BY ATMI BASED ON PROJECT WIND DESIGN CRITERIA FOR COMPONENTS AND CLADDING SPECIFIED BY EOR.



D4A FLOOR TIE
SCALE: 3/4" = 1'-0"

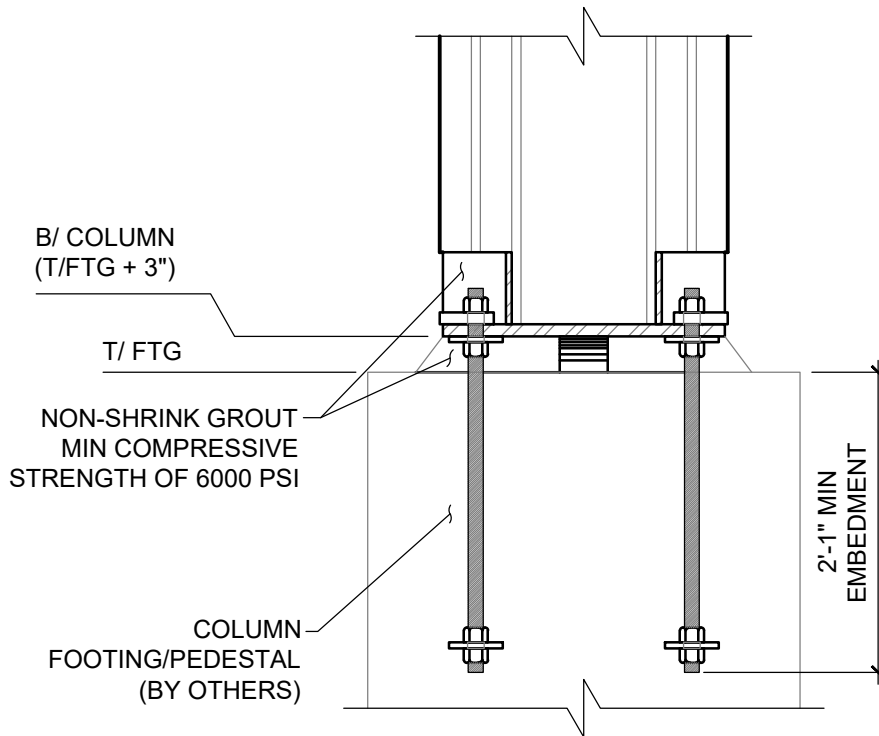
DESIGN NOTES FOR AOR/EOR/GC:

1. AT LOCATIONS WHERE THE PANEL EXTENDS MORE THAN 3'-0" BELOW SLAB-ON-GRADE (SOG), ATMI PRECAST RELIES ON THE FLOOR TIE TO BRACE PRECAST WALL PANELS TO THE SOG. THE LATERAL LOAD (FORCE) IMPARTED ON THE FLOOR MUST BE RESISTED BY THE SOG AND MUST BE TAKEN INTO ACCOUNT IN THE ANALYSIS/DESIGN OF SOG BY THE ENGINEER OF RECORD.
2. IF AN ALTERNATIVE DETAIL IS REQUIRED, RE-DESIGN AND RE-PRICING OF PRECAST WILL BE REQUIRED.



TITLE: FLOOR TIE DETAIL		BY: ATMI
PROJECT: STANDARDS		
ISSUED: 07/31/2020	REVISED: 1	12/07/2022

D4A



**PRECAST COLUMN
 AT FOUNDATION**

D6

SCALE: 3/4" = 1'-0"




TITLE: SHOP DRAWING DETAILS

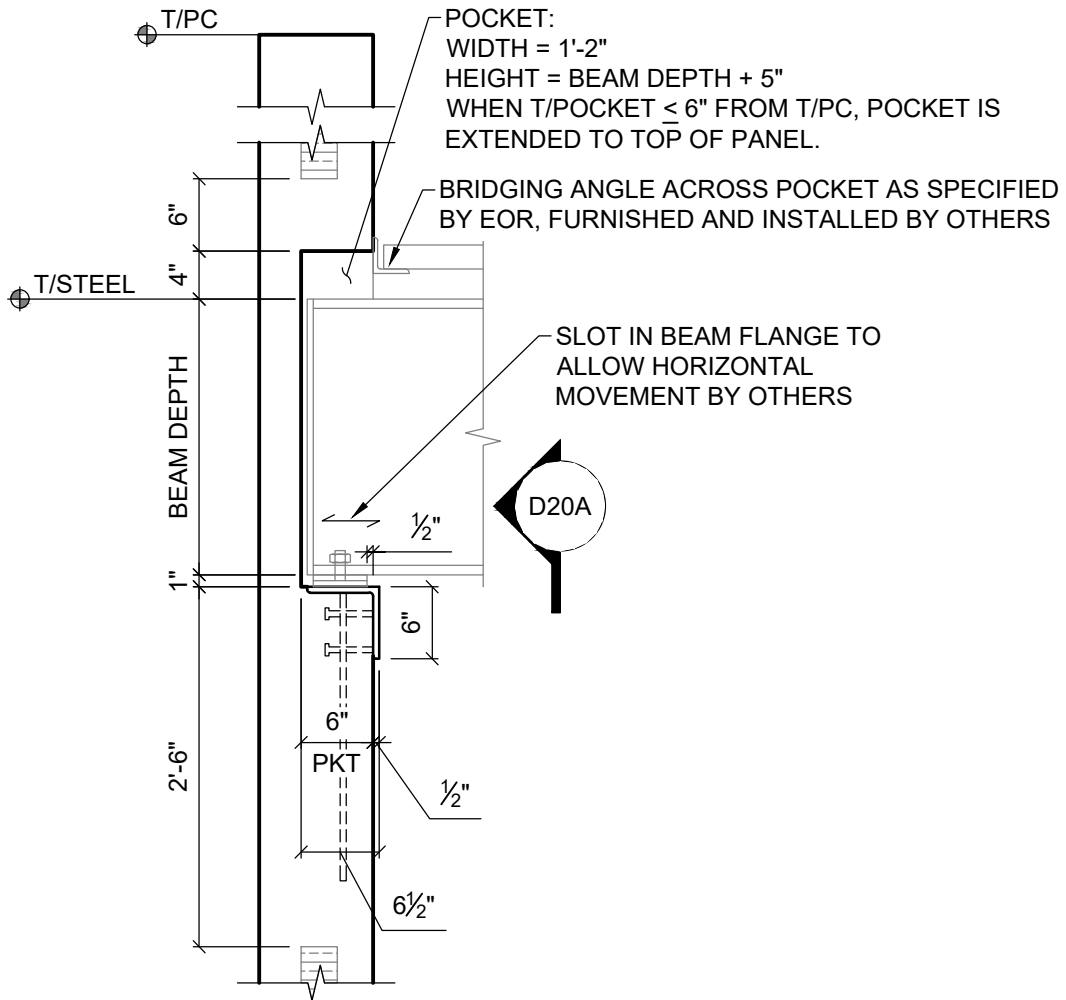
BY: ATMI

PROJECT: STANDARDS


ISSUED: 06/22/2021

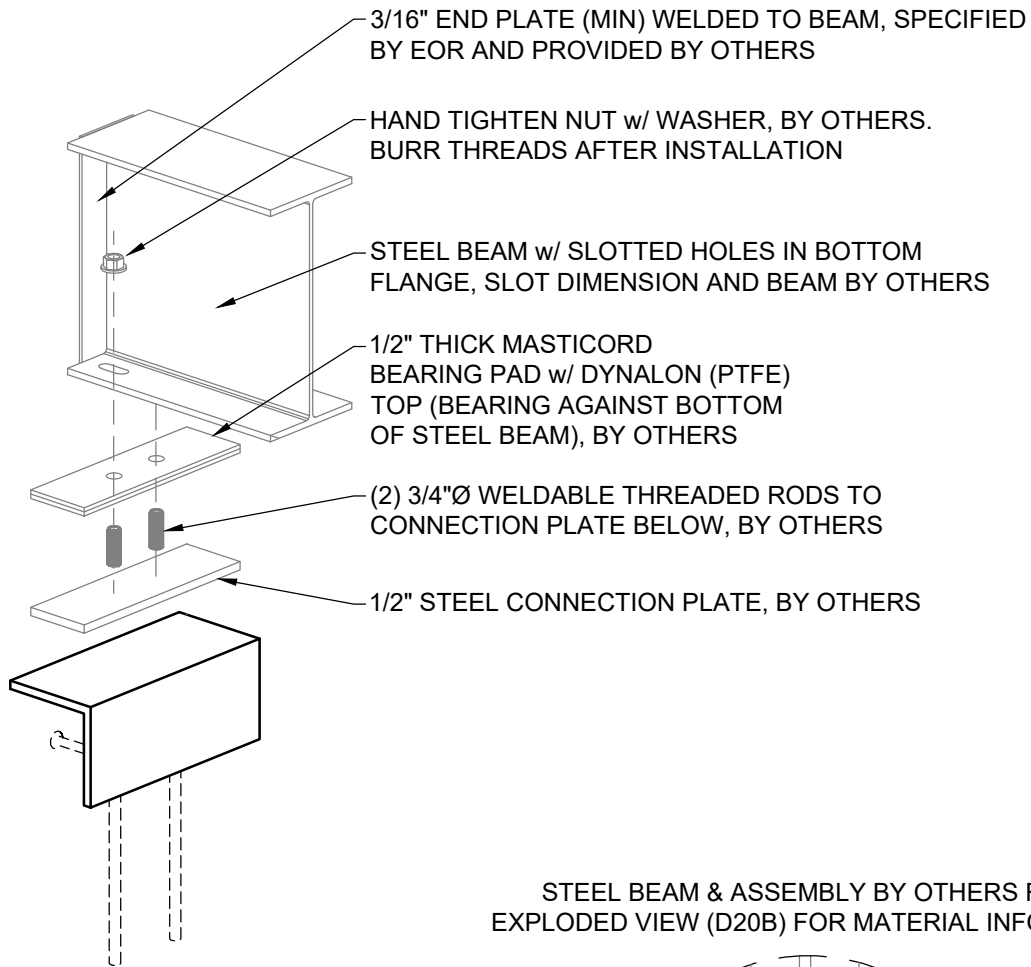
REVISED: 

D6



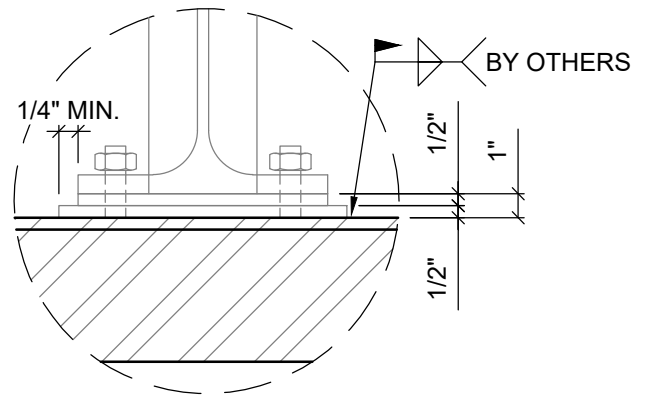
D20 BEAM POCKET
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D20
	ISSUED: 01/09/2017	




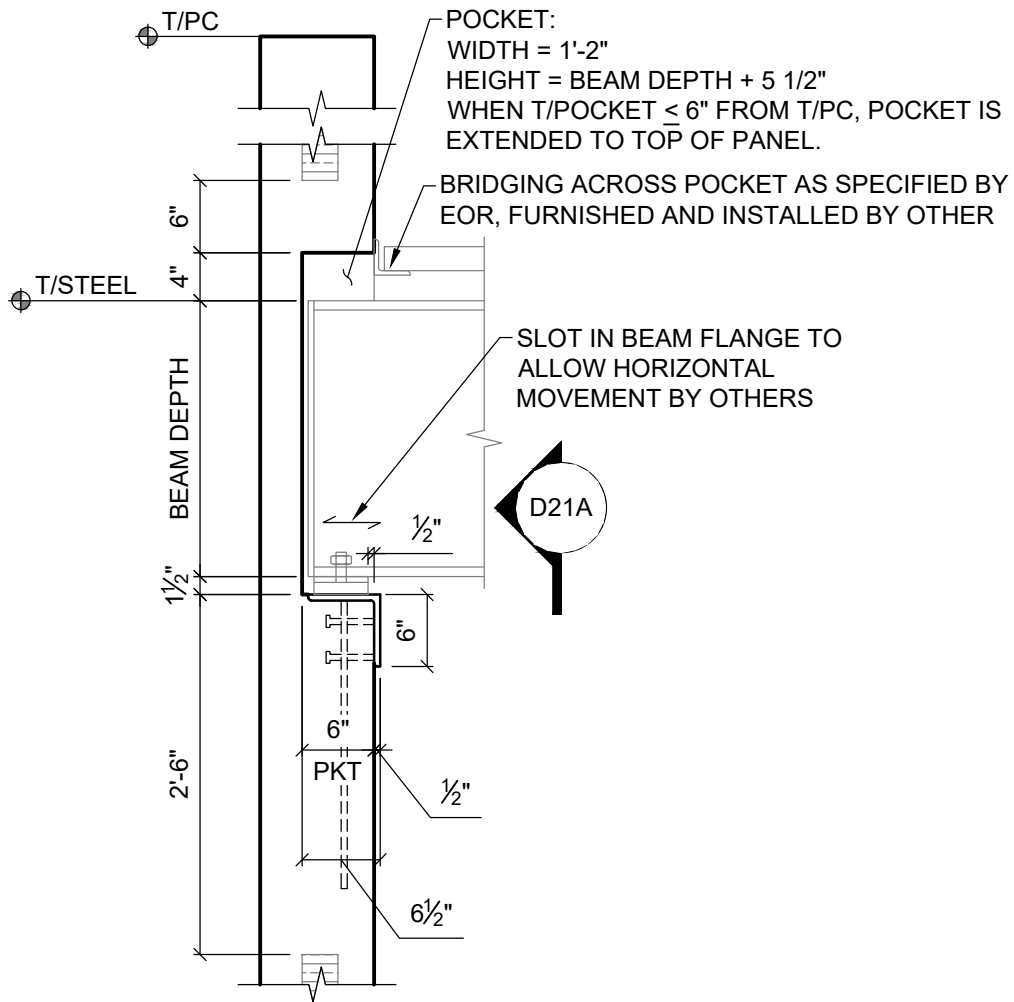
STEEL BEAM & ASSEMBLY BY OTHERS REFER EXPLODED VIEW (D20B) FOR MATERIAL INFORMATION

D20B EXPLODED VIEW




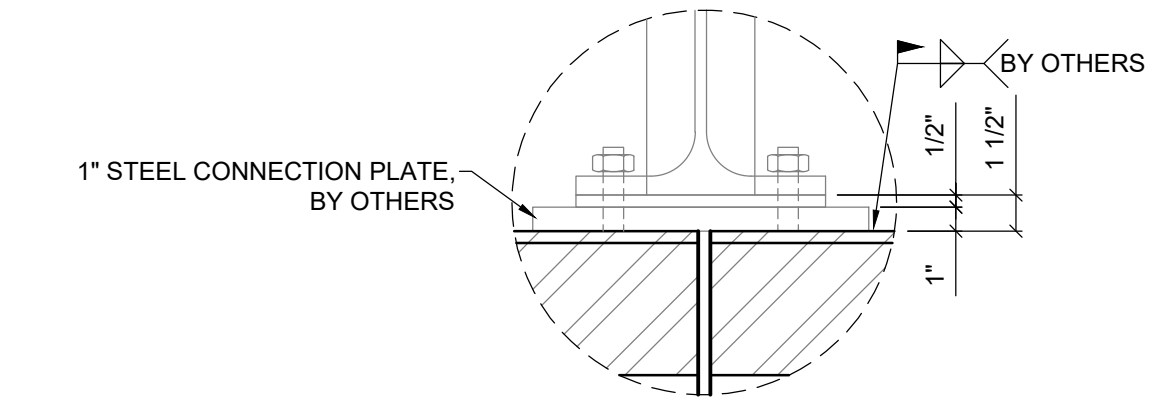
D20A ENLARGED DETAIL

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D20AB</h1>
	ISSUED: 01/09/2017	

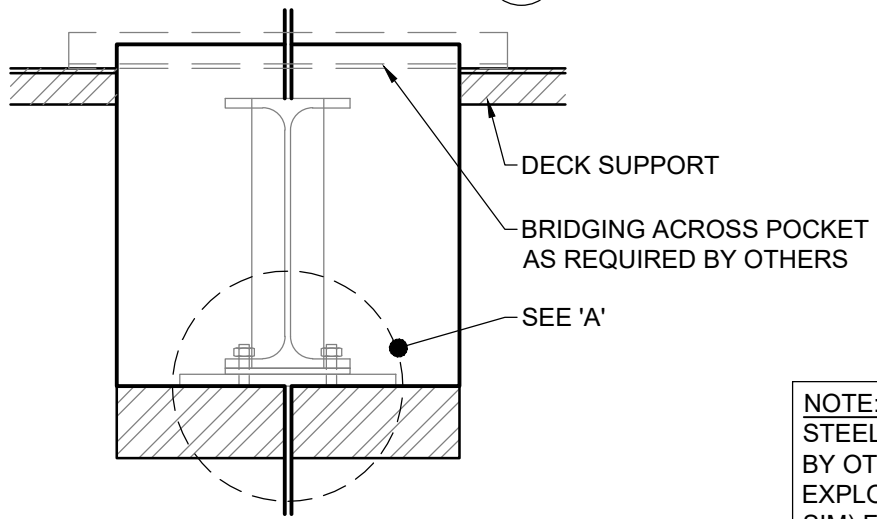


D21 BEAM POCKET AT JOINT
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D21</h1>
	ISSUED: 01/09/2017	




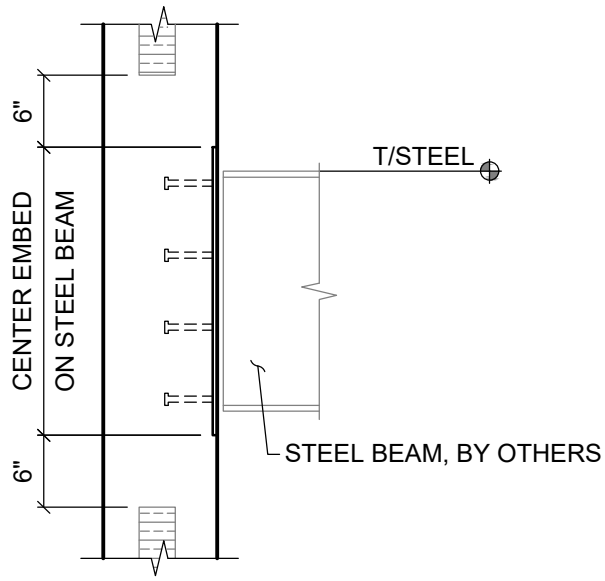
A ENLARGED DETAIL




D21A BEAM POCKET AT JOINT
SCALE: 3/4" = 1'-0"

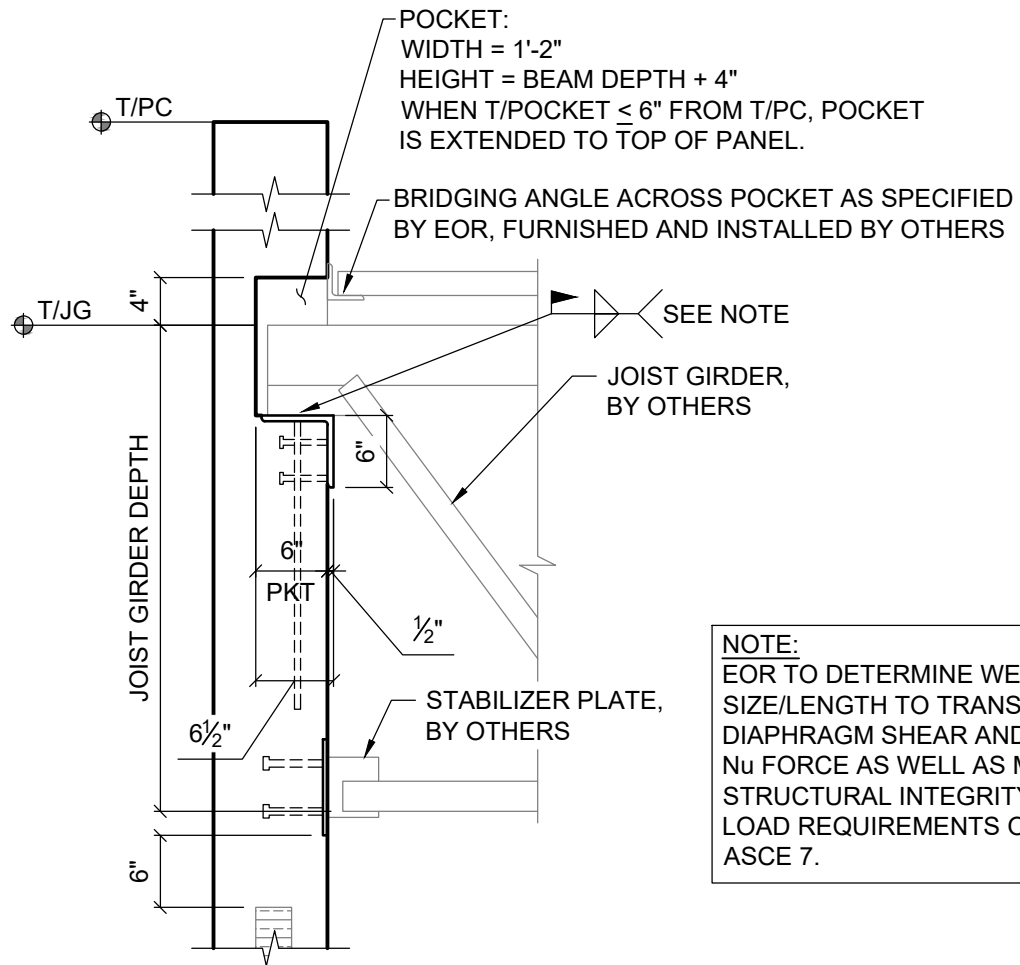
NOTE:
STEEL BEAM & ASSEMBLY BY OTHERS REFER TO EXPLODED VIEWS (D20B, SIM) FOR MATERIALS INFORMATION.

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D21A</h1>
	ISSUED: 01/09/2017	




D23 BEARING EMBED
 SCALE: 3/4" = 1'-0"

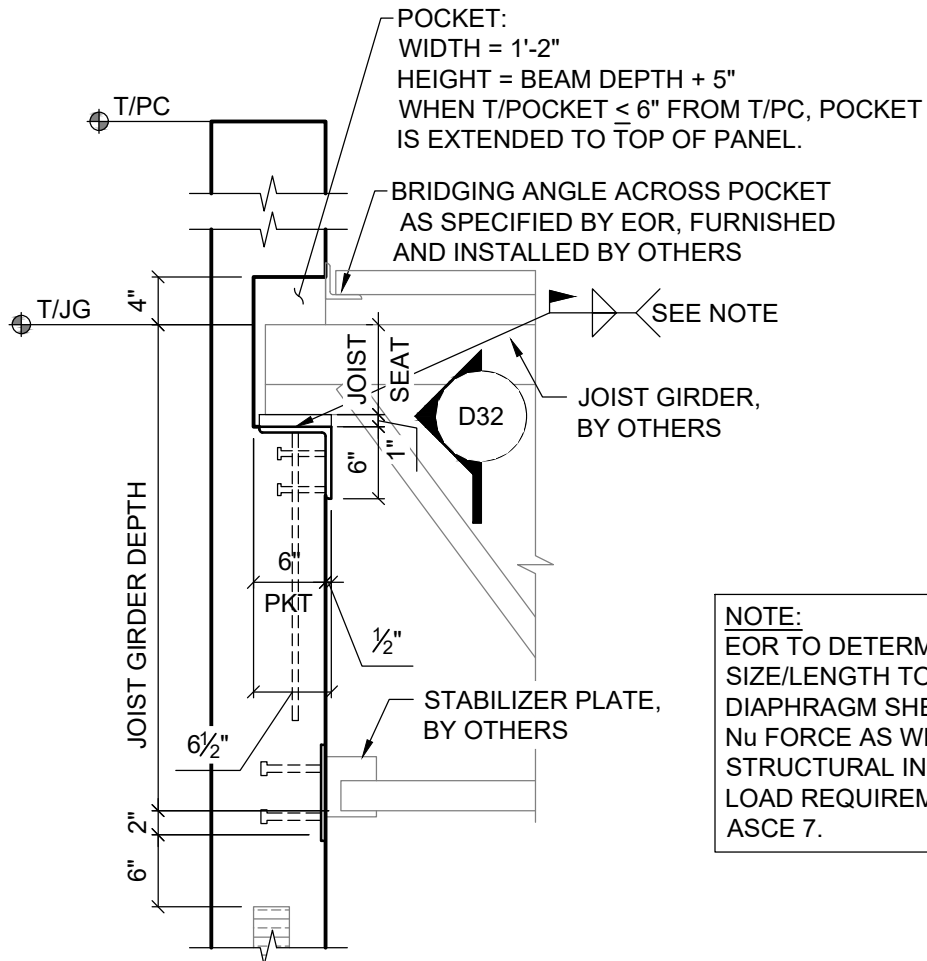
	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D23</h1>
	ISSUED: 01/09/2017	



NOTE:
 EOR TO DETERMINE WELD SIZE/LENGTH TO TRANSFER DIAPHRAGM SHEAR AND/OR N_u FORCE AS WELL AS MEET STRUCTURAL INTEGRITY LOAD REQUIREMENTS OF ASCE 7.

D30 JOIST GIRDER POCKET
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D30
	ISSUED: 01/09/2017	




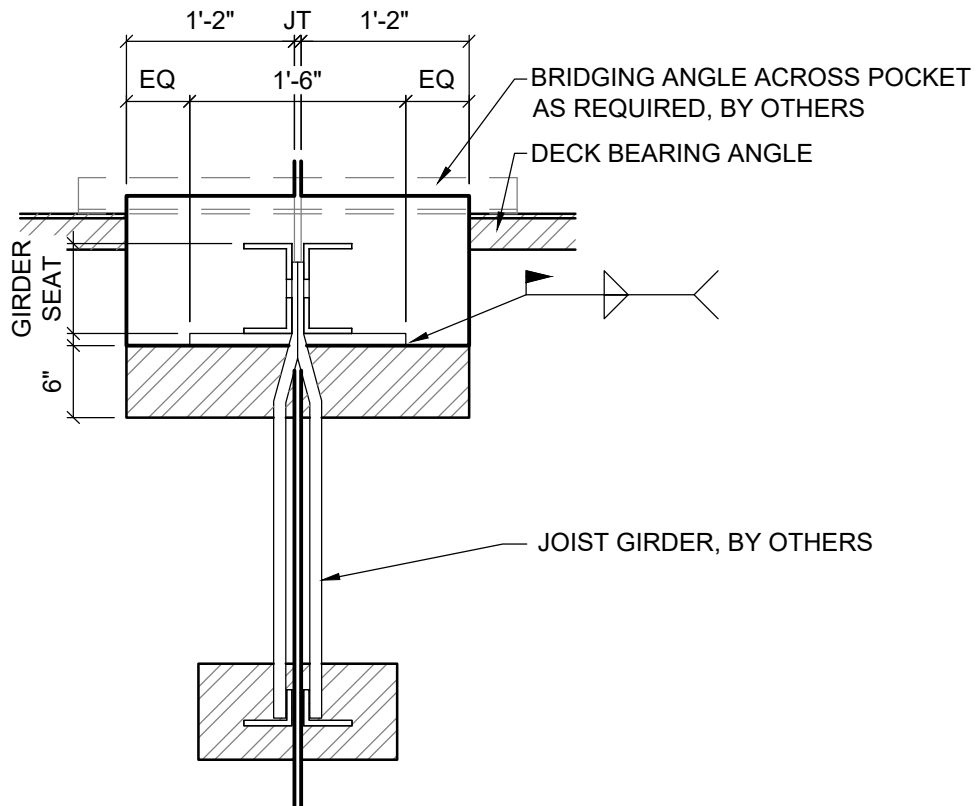
NOTE:
 EOR TO DETERMINE WELD
 SIZE/LENGTH TO TRANSFER
 DIAPHRAGM SHEAR AND/OR
 Nu FORCE AS WELL AS MEET
 STRUCTURAL INTEGRITY
 LOAD REQUIREMENTS OF
 ASCE 7.

**JOIST GIRDER POCKET
 AT PANEL JOINT**

D31

SCALE: 3/4" = 1'-0"


	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D31</h1>
	ISSUED: 01/09/2017	

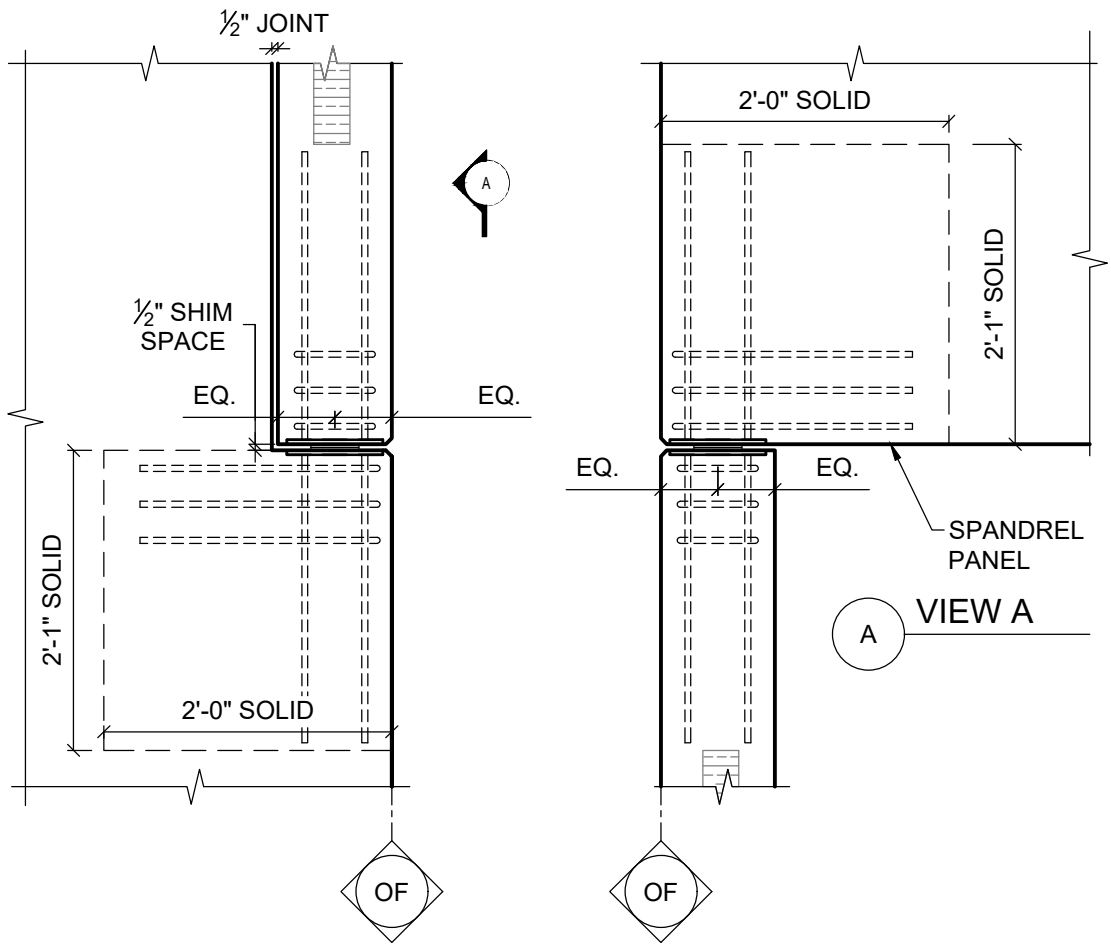


**JOIST GIRDER POCKET
AT PANEL JOINT**

D32

SCALE: 3/4" = 1'-0"



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	PROJECT: STANDARDS	<h1>D32</h1>
	ISSUED: 01/09/2017	

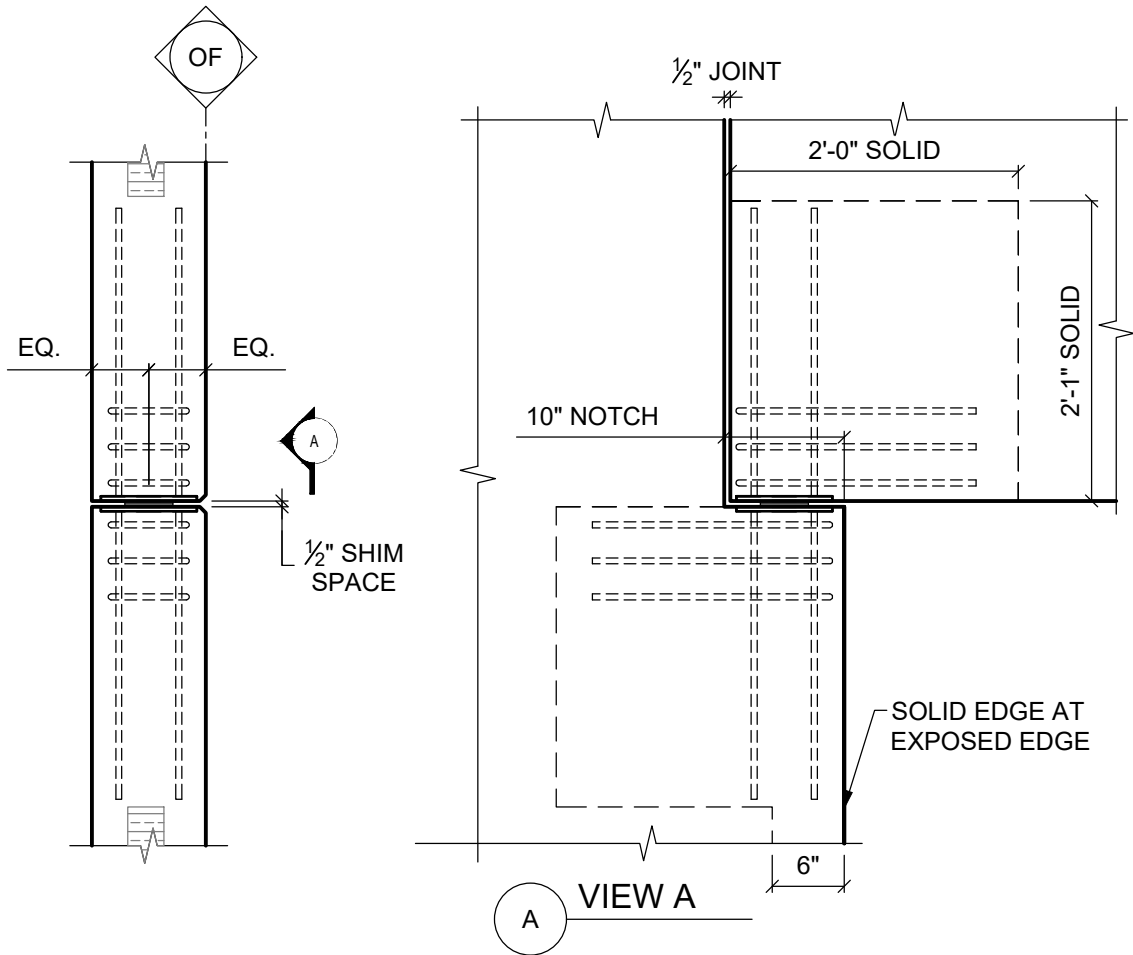


PERPENDICULAR NOTCHED BEARING

D33

SCALE: 3/4" = 1'-0"

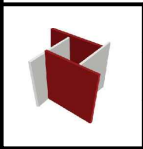
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	PROJECT: STANDARDS		<h1>D33</h1>
	ISSUED: 07/01/2019	REVISED:  01/28/2020	




PARALLEL
NOTCHED BEARING

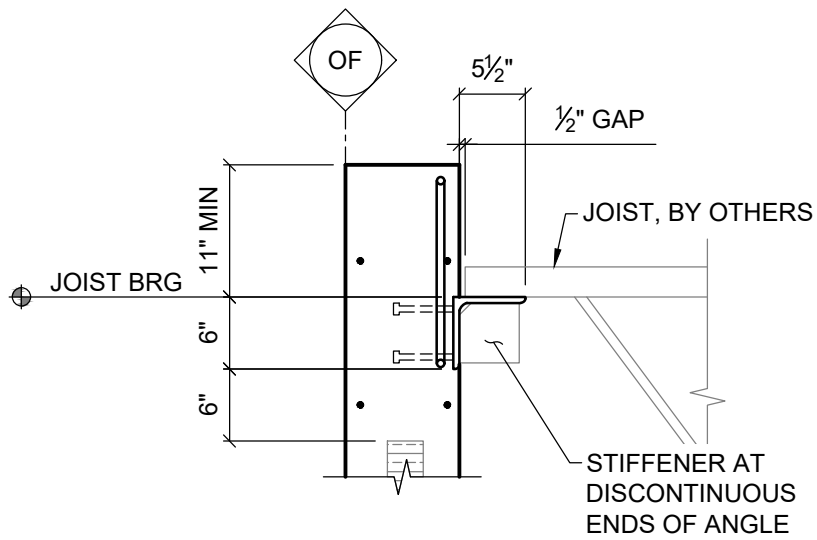
D34

SCALE: 3/4" = 1'-0"




TITLE: SHOP DRAWING DETAILS	BY: ATMI
PROJECT: STANDARDS	D34
ISSUED: 07/01/2019	
REVISED:  01/28/2020	

NOTE:
 BEARING ANGLE IS DISCONTINUOUS AT
 PRECAST JOINTS. IF SPLICE IS REQUIRED
 BY EOR, CONNECTION IS NOT BY ATMI.
 EOR TO COORDINATE WITH GC.

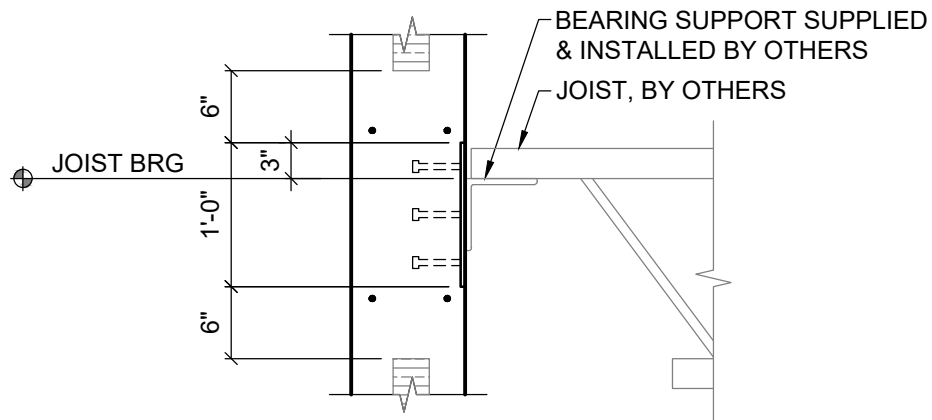


D36 JOIST BEARING ANGLE
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWINGS DETAILS	BY: ATMI
	PROJECT: STANDARDS	D36
	ISSUED: 01/09/2017	

NOTE:

EMBED PLATE MAY BE CAST TIPPED OR NOT CAST FLUSH WHILE STILL REMAINING WITHIN PCI TOLERANCES. EOR TO REVIEW THE FINAL CONFIGURATION OF THE INSTALLED EMBED WITH GC AND PROVIDE THE STEEL FABRICATOR WITH A DETAIL (USE OF SHIM BARS OR PLATES TO COMPENSATE FOR THE PRECAST EMBED TOLERANCES) THAT FACILITATES THE WELD CONNECTION BETWEEN THE BEARING STEEL AND THE EMBED.



**BEARING
EMBED**

D37

SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

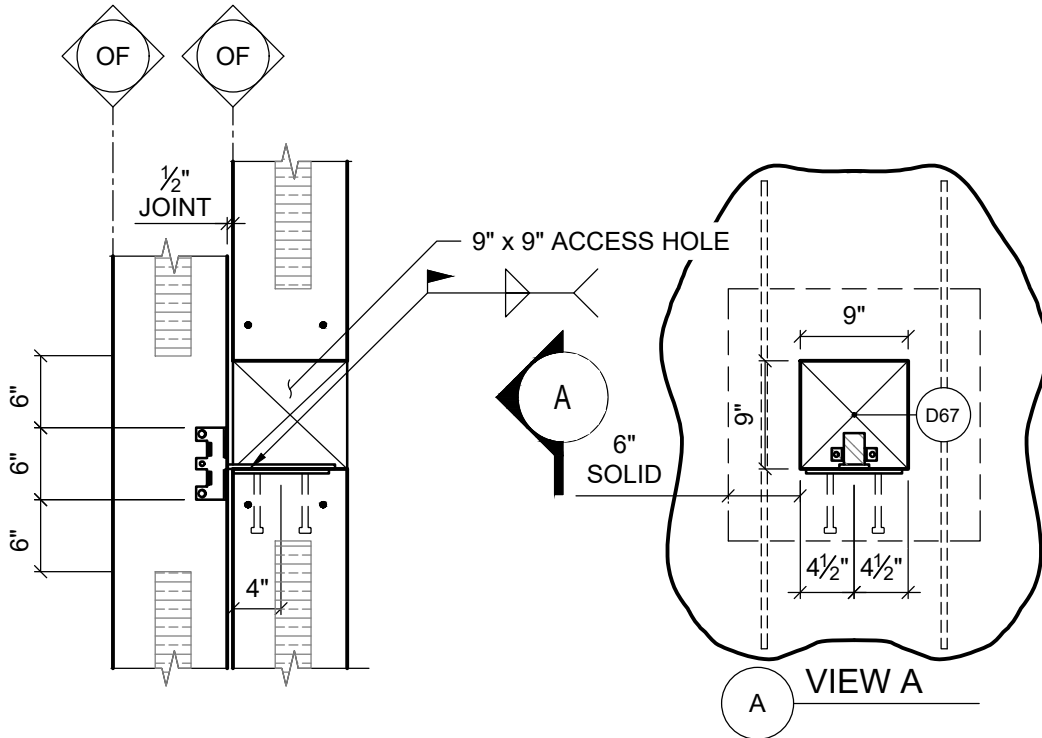
PROJECT: STANDARDS

ISSUED: 01/12/2018

REVISED: 2

03/28/2018

D37



PANEL TO PANEL
TIE BACK

D39
SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

PROJECT: STANDARDS

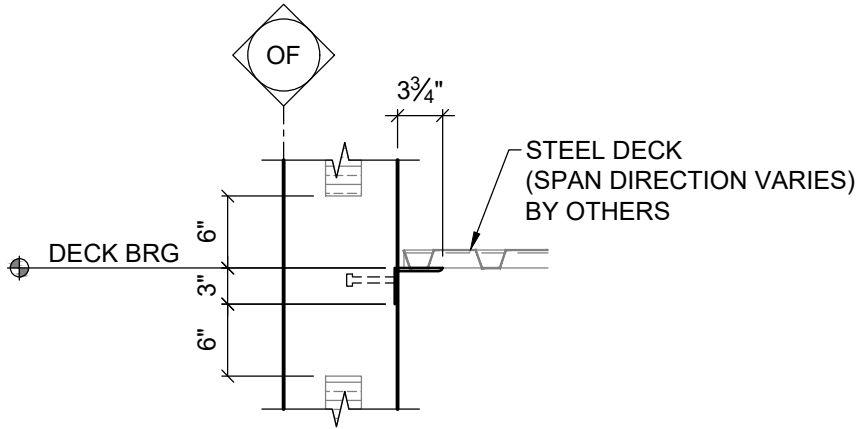
ISSUED: 07/01/2019

REVISED: 1


01/28/2020

D39

NOTE:
 BEARING ANGLE IS DISCONTINUOUS AT
 PRECAST JOINTS. IF SPLICE IS REQUIRED
 BY EOR, CONNECTION IS NOT BY ATMI.
 EOR TO COORDINATE WITH GC.

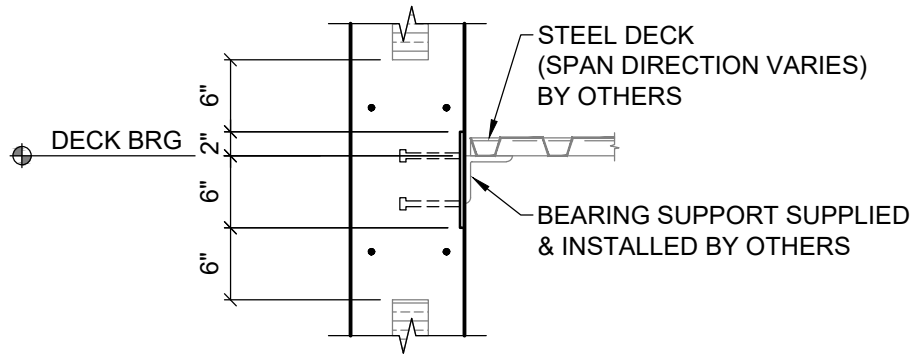


**DECK BEARING
 AT EMBED ANGLE**
 D40
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D40</h1>
	ISSUED: 01/09/2017	

NOTE:

EMBED PLATE MAY BE CAST TIPPED OR NOT CAST FLUSH WHILE STILL REMAINING WITHIN PCI TOLERANCES. EOR TO REVIEW THE FINAL CONFIGURATION OF THE INSTALLED EMBED WITH GC AND PROVIDE THE STEEL FABRICATOR WITH A DETAIL (USE OF SHIM BARS OR PLATES TO COMPENSATE FOR THE PRECAST EMBED TOLERANCES) THAT FACILITATES THE WELD CONNECTION BETWEEN THE BEARING STEEL AND THE EMBED.



**DECK BEARING AT
INTERMITTENT EMBED**

D41

SCALE: 3/4" = 1'-0"




TITLE: SHOP DRAWING DETAILS

BY: ATMI

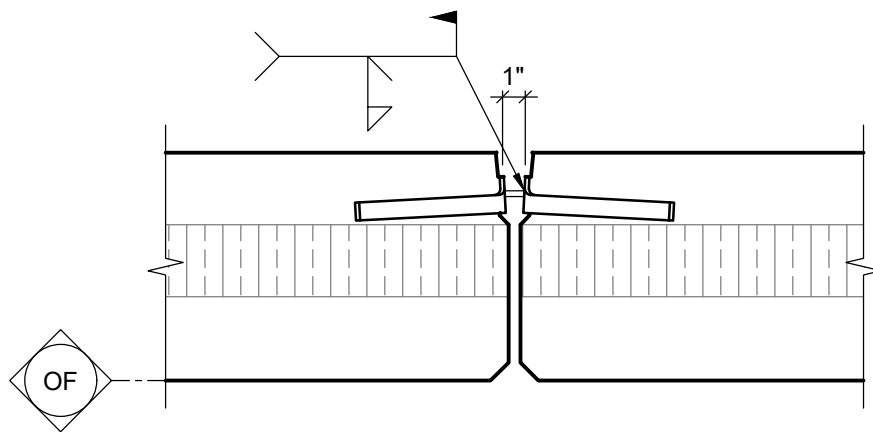
PROJECT: STANDARDS

ISSUED: 01/09/2017

REVISED: 

01/28/2020

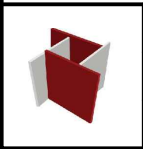
D41




ALIGNMENT/SHEAR
CONNECTION

D44

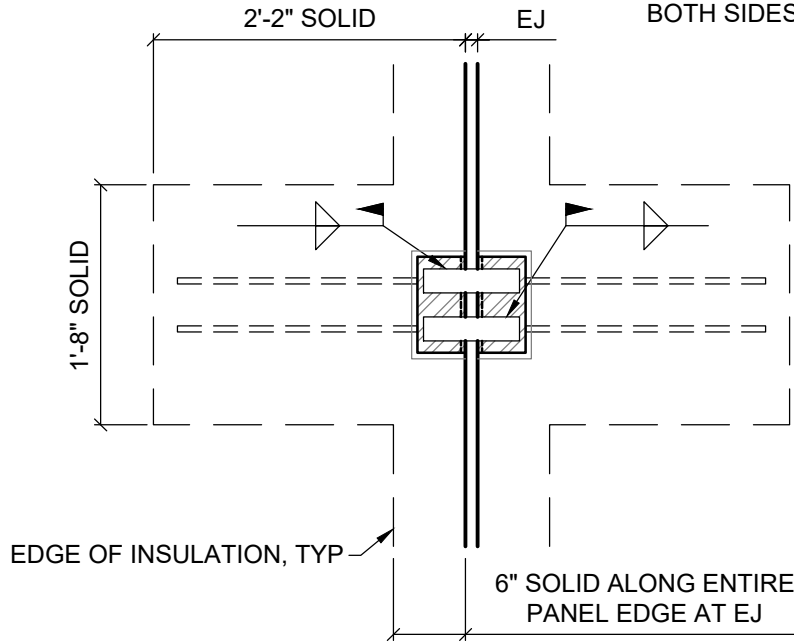
SCALE: 1 1/2" = 1'-0"



TITLE: SHOP DRAWING DETAILS	BY: ATMI
PROJECT: STANDARDS	D44
ISSUED: 01/09/2017	
REVISED:  10/04/2019	

NOTES:
STANDARD DETAIL ALLOWS FOR
MAXIMUM 3" EXPANSION JOINT.

DO NOT WELD EITHER PLATE ON
BOTH SIDES OF THE JOINT.



**EXPANSION JOINT
ALIGNMENT CONNECTION**

D45

SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

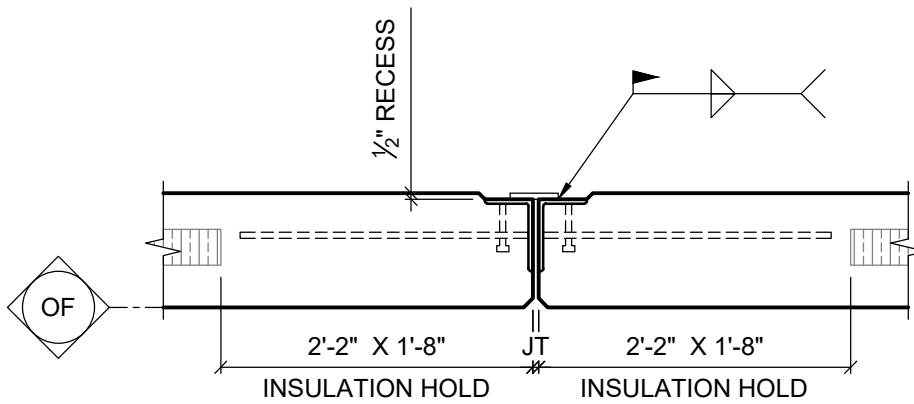
PROJECT: STANDARDS

ISSUED: 03/03/2017


REVISED: 2

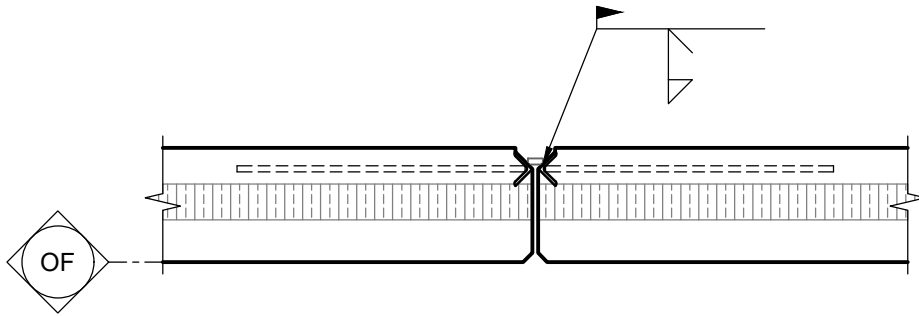
01/28/2020

D45





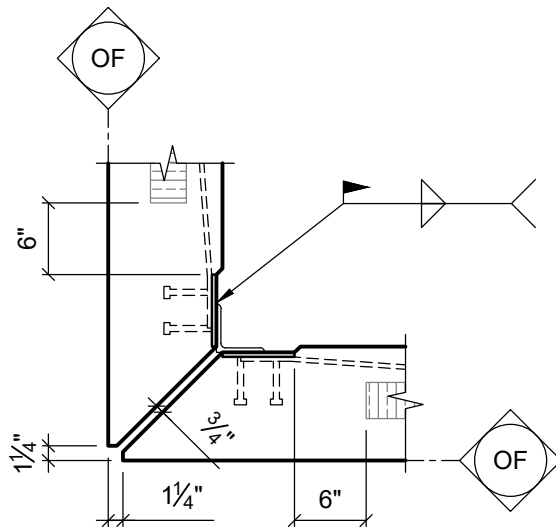
D46 **PANEL CONNECTION**
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D46</h1>
	ISSUED: 01/09/2017	




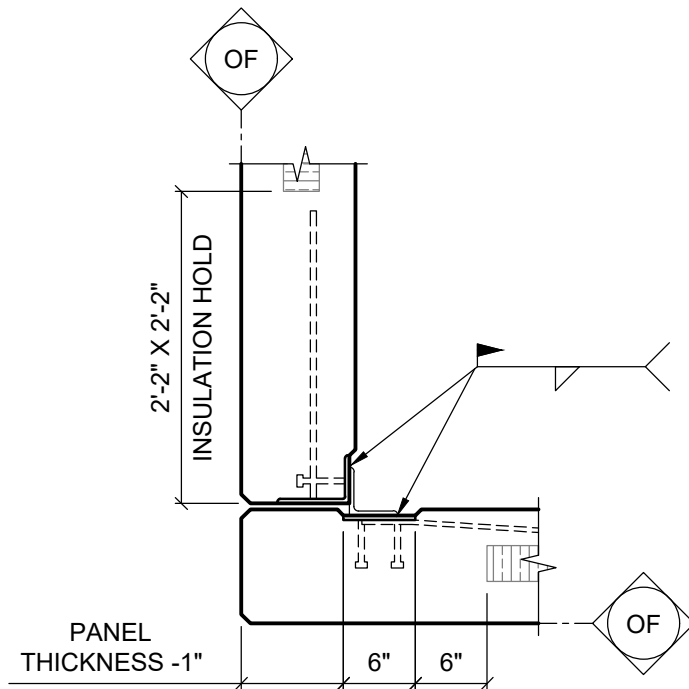
D47 SHEAR CONNECTION
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		<h1>D47</h1>
	ISSUED: 01/09/2017	REVISED:  10/28/2019	




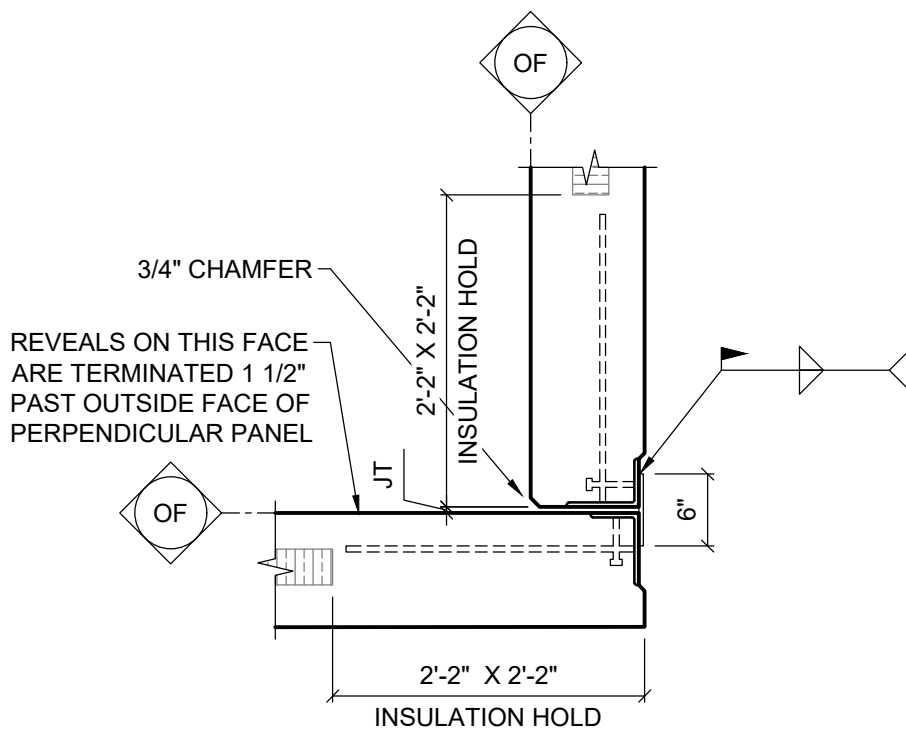
D50 MITER CORNER
SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D50</h1>
	ISSUED: 01/09/2017	



D51 **OUTSIDE BUTT CORNER**
SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D51
	ISSUED: 01/09/2017	



D52 INSIDE BUTT CORNER
SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

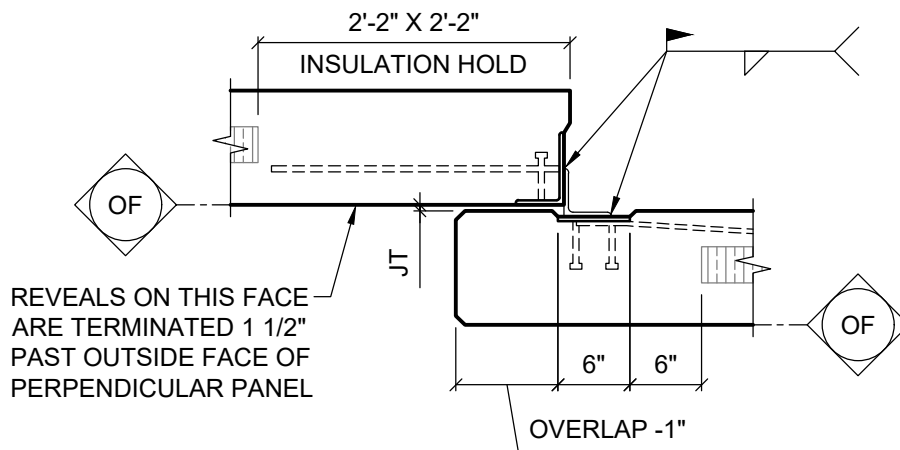
PROJECT: STANDARDS

ISSUED: 01/09/2017

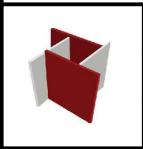
REVISED: 1


01/28/2020

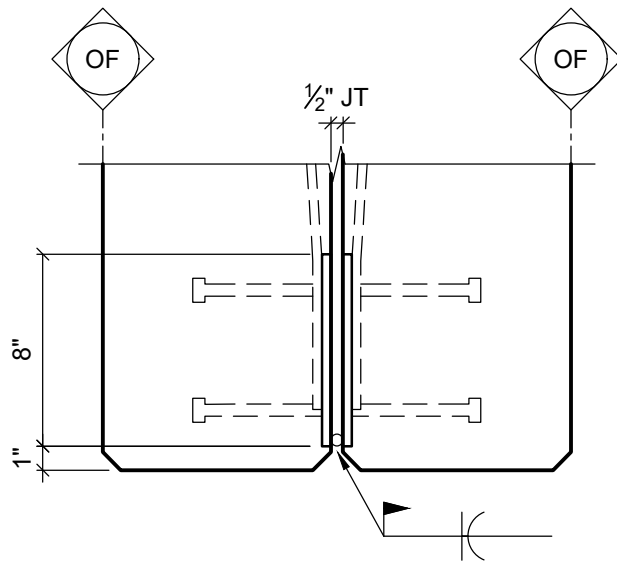
D52





D53 OVERLAP CORNER
SCALE: 3/4" = 1'-0"

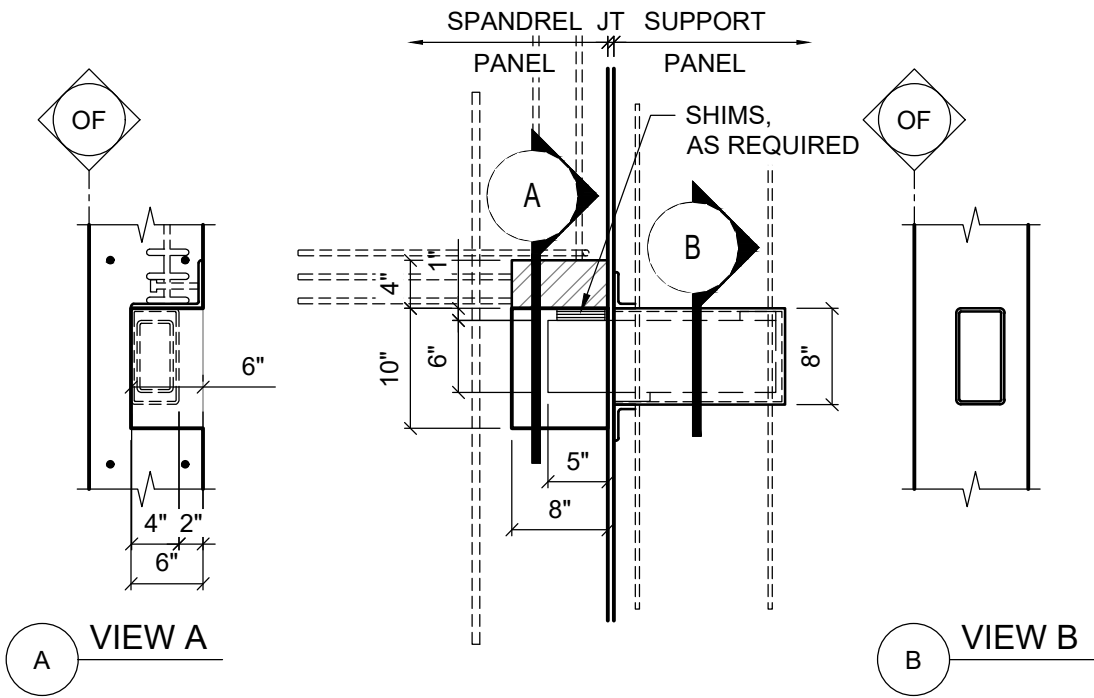


TITLE: SHOP DRAWING DETAILS	BY: ATMI
PROJECT: STANDARDS	D53
ISSUED: 01/09/2017	
REVISED:  01/28/2020	




D54 HIDDEN PANEL CONNECTION
 SCALE: 1 1/2" = 1'-0"

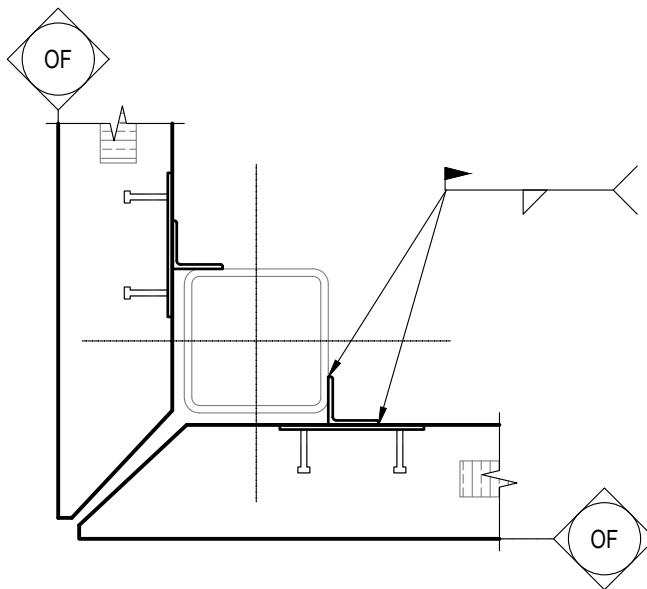
	TITLE: SHOP DRAWING DETAILS		BY: ATMI	
	PROJECT: STANDARDS			<h1>D54</h1>
	ISSUED: 01/09/2017	REVISED: 	01/28/2020	



D60 SPANDREL SUPPORT
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1 style="margin: 0;">D60</h1>
	ISSUED: 01/09/2017	

LOADS IMPOSED BY PRECAST TO STRUCTURAL
STEEL TO BE PROVIDED ON SHOP DRAWINGS FOR
DESIGN AND COORDINATION BY GC/EOR.



D64A

SPANDREL TO COLUMN
CONNECTION

SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

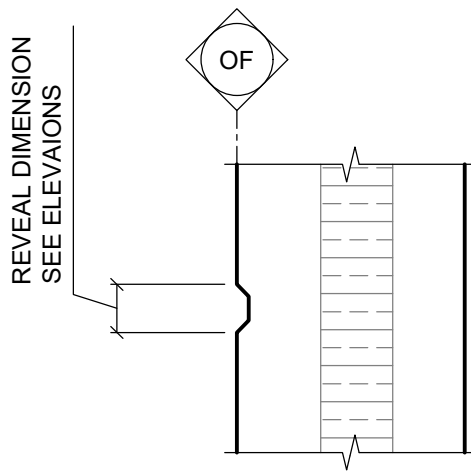
BY: ATMI

PROJECT: STANDARDS


ISSUED: 12/30/2022

REVISED:

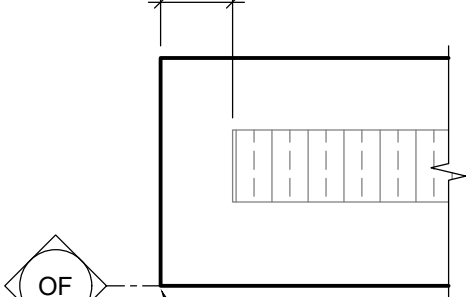
D64A



D66 VERTICAL/HORIZONTAL REVEAL
 SCALE: 1 1/2" = 1'-0"


	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D66
	ISSUED: 01/09/2017	

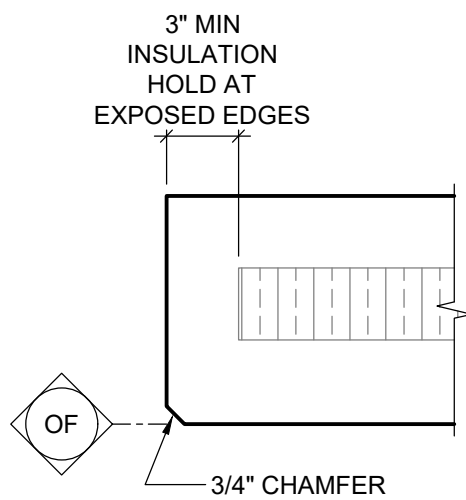
3" MIN
INSULATION
HOLD AT
EXPOSED EDGES



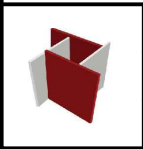
CAULK CORNER (EASED EDGE)

D67 CAULK CORNER
SCALE: 1 1/2" = 1'-0"

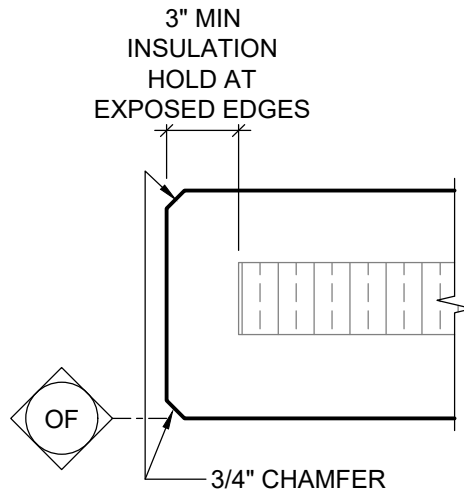
	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D67
	ISSUED: 01/09/2017	




D69
3/4" EDGE CHAMFER
 SCALE: 1 1/2" = 1'-0"

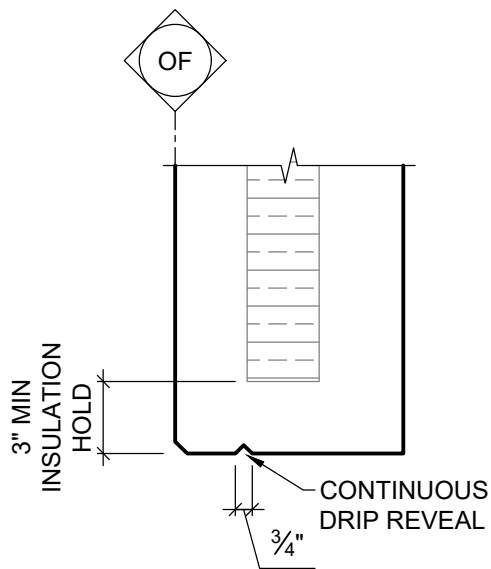


TITLE: SHOP DRAWING DETAILS		BY: ATMI
PROJECT: STANDARDS		
ISSUED: 01/09/2017	REVISED: 12/30/2022	D69





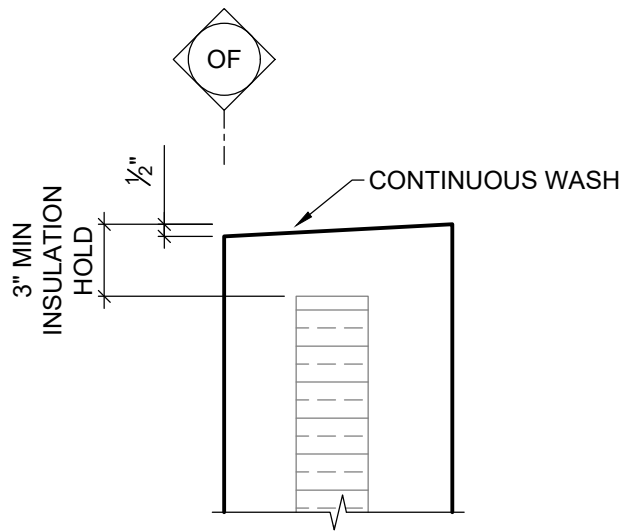
D70 3/4" EDGE CHAMFER ON EACH FACE
 SCALE: 1 1/2" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D70
	ISSUED: 01/09/2017	

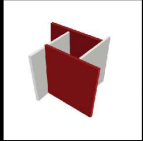



D71
DRIP REVEAL
 SCALE: 1 1/2" = 1'-0"

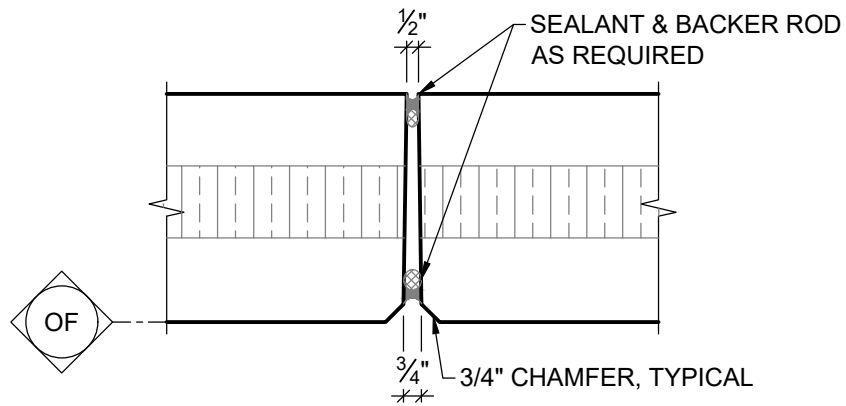
	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		D71
	ISSUED: 01/09/2017	REVISED:  12/30/2022	





D72 SILL WASH
 SCALE: 1 1/2" = 1'-0"

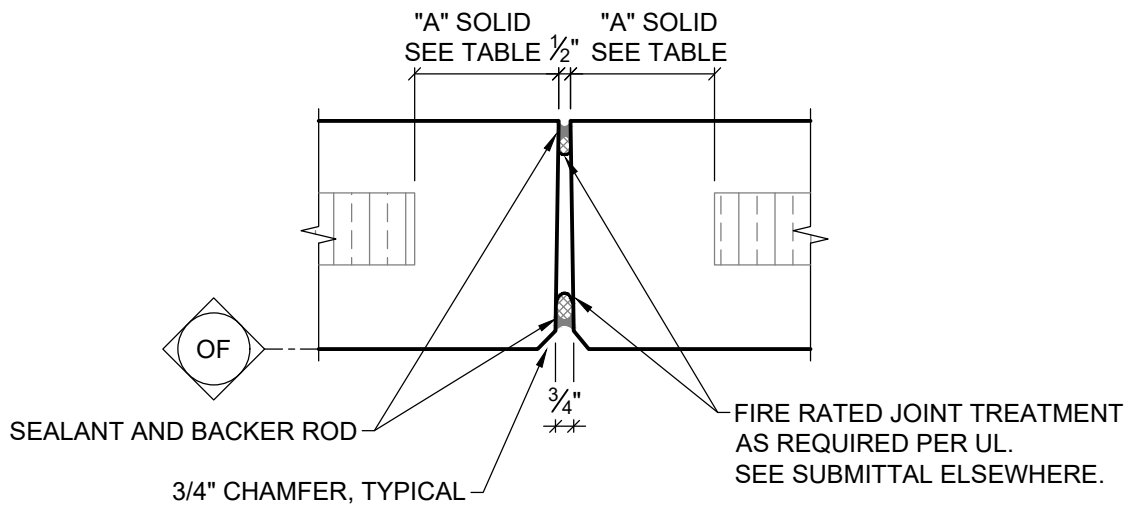


TITLE: SHOP DRAWING DETAILS		BY: ATMI
PROJECT: STANDARDS		
ISSUED: 01/09/2017	REVISED:  12/30/2022	D72



D73 PANEL JOINT
SCALE: 1 1/2" = 1'-0"

	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		<h1>D73</h1>
	ISSUED: 01/09/2017	REVISED:  12/30/2022	



A	FIRE RATING
0"	1 & 2 HOUR
6"	3 HOUR
8"	4 HOUR

D74 FIRE RATED PANEL JOINT
SCALE: 1 1/2" = 1'-0"




TITLE: SHOP DRAWING DETAILS

BY: ATMI

PROJECT: STANDARDS

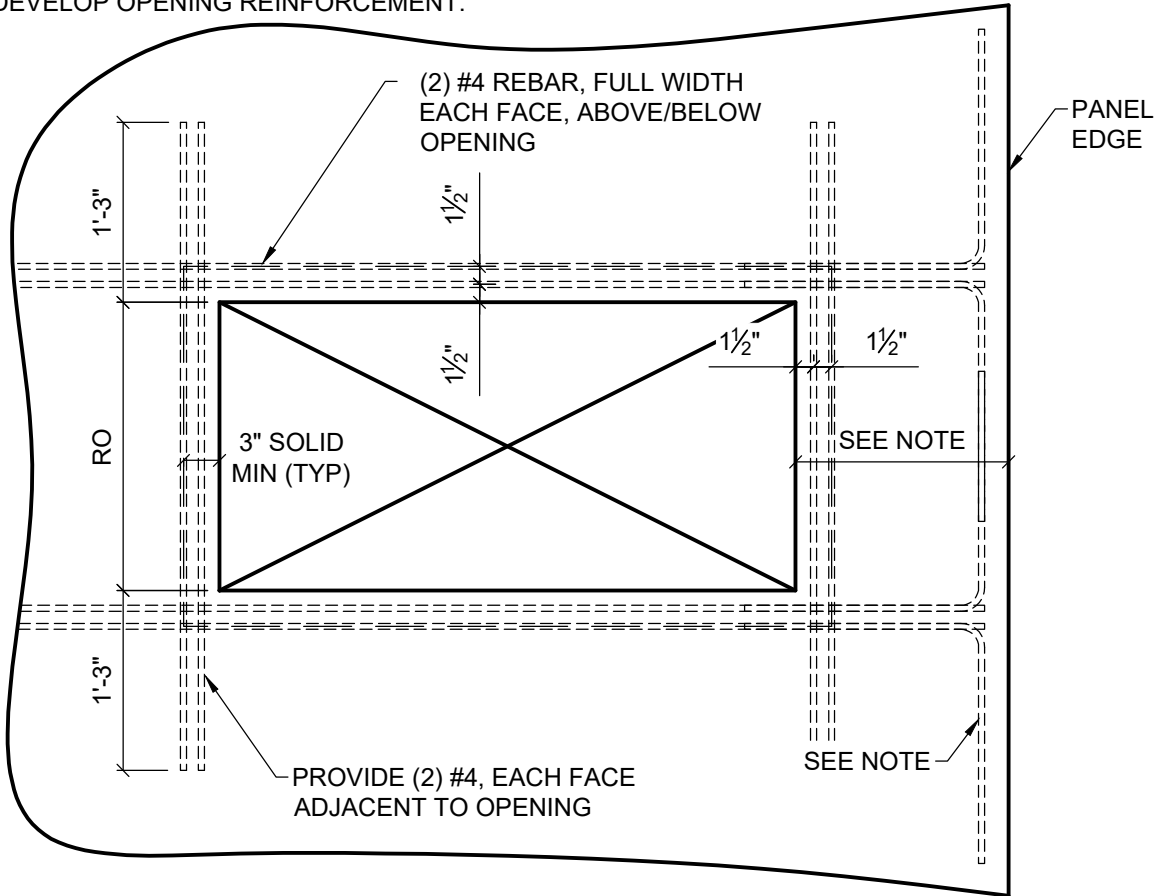
ISSUED: 01/09/2017

REVISED: 


12/30/2022

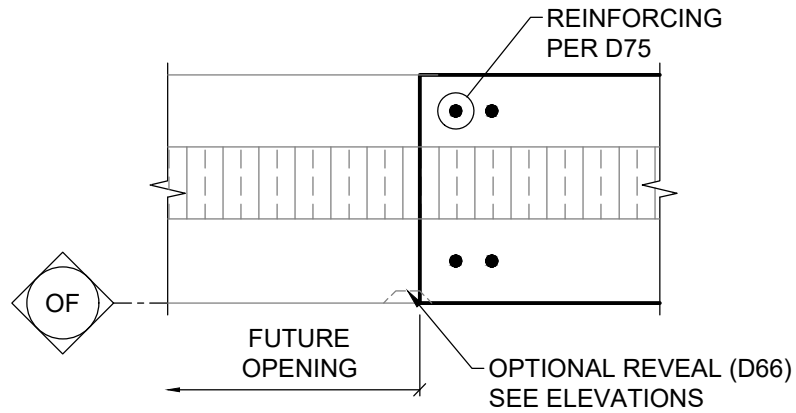
D74

NOTE:
 WHEN CONCRETE JAMB IS LESS THAN
 1'-5", PROVIDE L-BARS TO FULLY
 DEVELOP OPENING REINFORCEMENT.



D75 REINFORCING AROUND OPENINGS
 SCALE: 3/4" = 1'-0"



	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D75</h1>
	ISSUED: 09/06/2018	

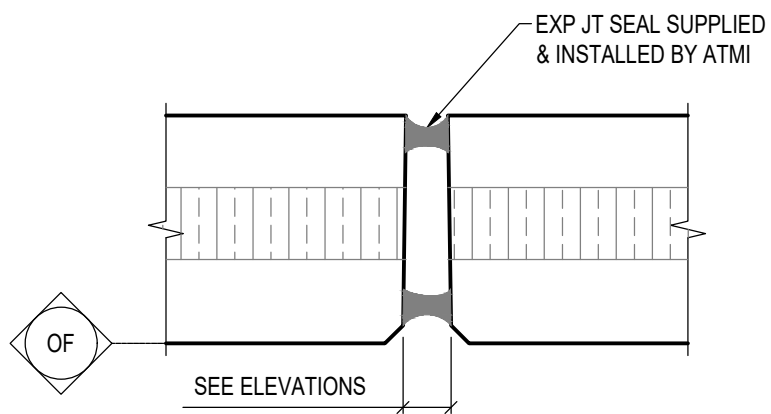


NOTE:
 ALL PANELS INDICATED ON SHOP DRAWING ELEVATIONS WITH FUTURE OPENINGS
 HAVE BEEN DESIGNED BY ATMI TO BE MODIFIED WITHOUT ADDITIONAL STRUCTURAL
 CONSIDERATIONS. POTENTIAL GROUTING OF EXPOSED INSULATED EDGES IS
 DETERMINED AND DESIGNED BY OTHERS.



**DETAILING AROUND
 FUTURE OPENINGS**

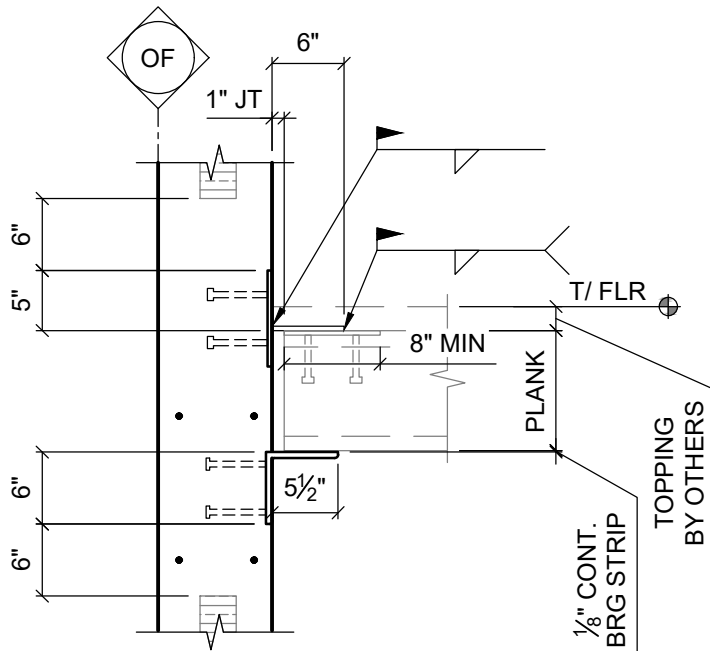
D76
 SCALE: 1 1/2" = 1'-0"

	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		<h1>D76</h1>
	ISSUED: 09/09/2021	REVISED:  03/28/2022	




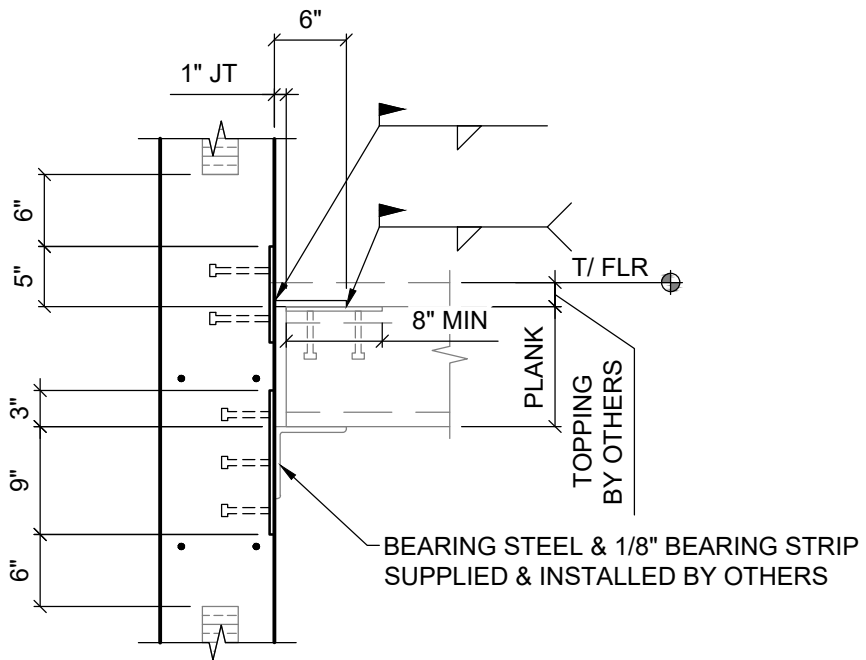
D77A EXPANSION JOINT
 SCALE: 1 1/2" = 1'-0"

	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		<h1>D77A</h1>
	ISSUED: 12/30/2022	REVISED: 	



D80 PLANK BEARING ANGLE
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D80</h1>
	ISSUED: 01/09/2017	



D81 PLANK BEARING EMBED
SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

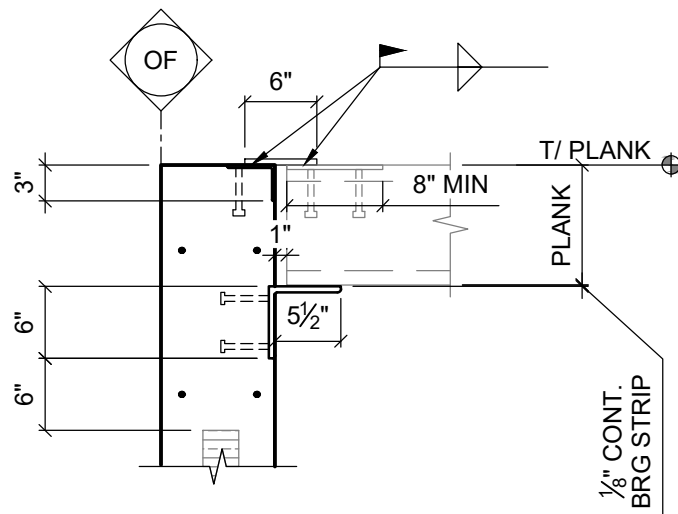
PROJECT: STANDARDS

ISSUED: 01/09/2017


REVISED: 3

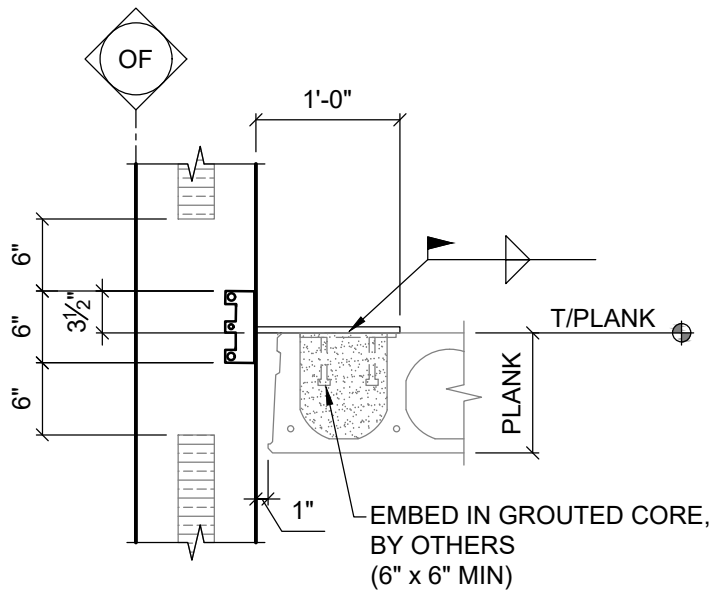
01/28/2020

D81




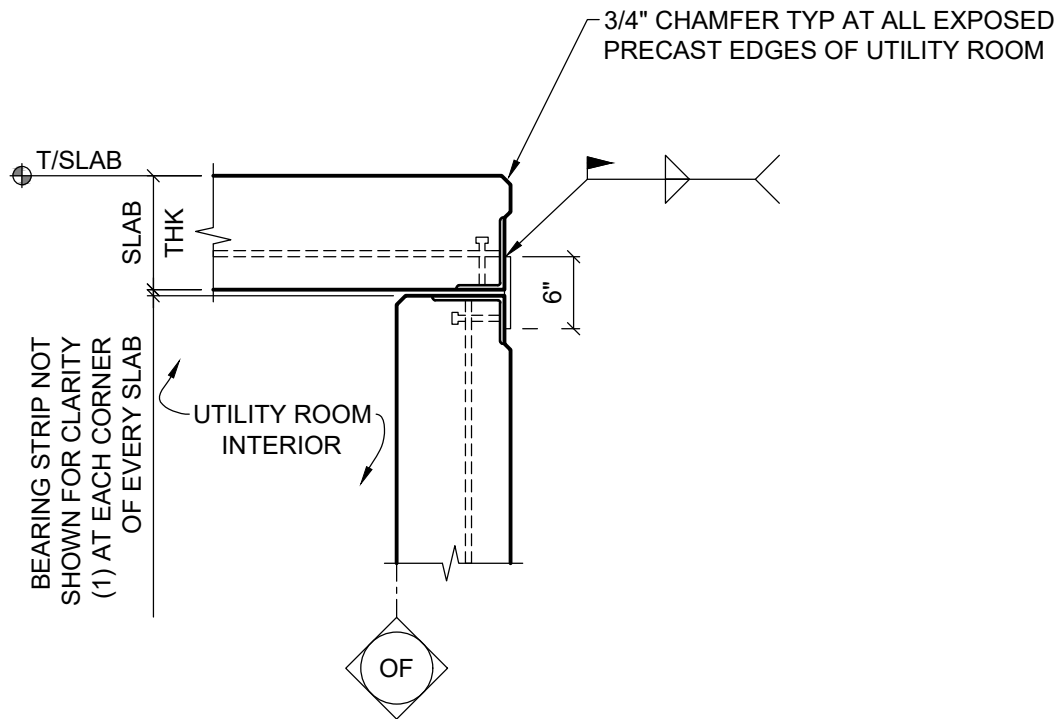
D82 **PLANK BEARING T/PRECAST**
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D82</h1>
	ISSUED: 01/09/2017	





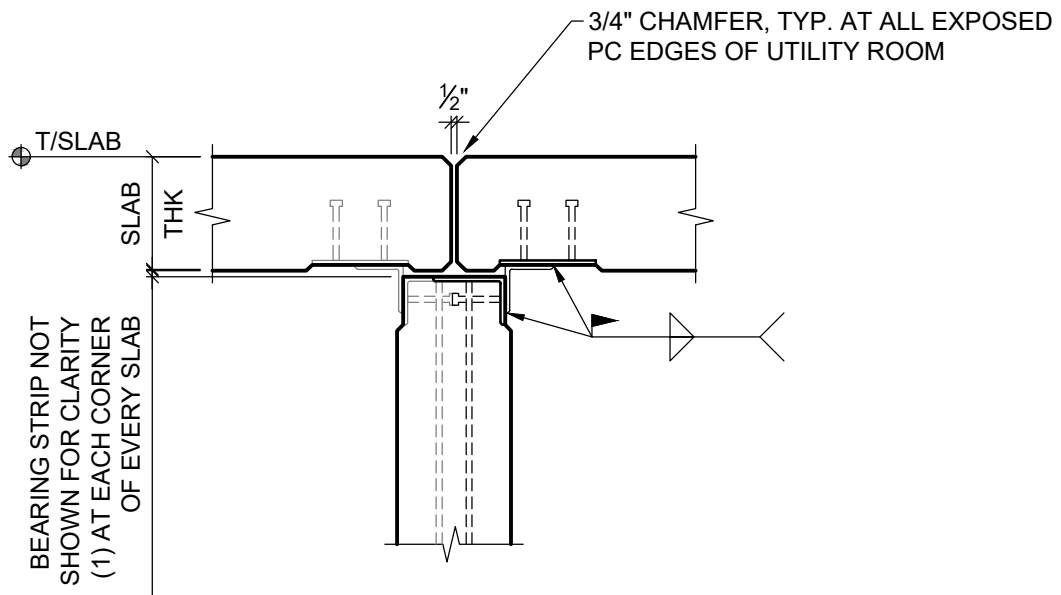
D83 PLANK NON-BEARING
SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D83</h1>
	ISSUED: 01/09/2017	



D90 UTILITY ROOM SLAB BEARING
 SCALE: 3/4" = 1'-0"

	TITLE: SHOP DRAWING DETAILS		BY: ATMI
	PROJECT: STANDARDS		
	ISSUED: 01/09/2017	REVISED:  01/28/2020	<h1>D90</h1>



INSIDE BEARING
UTILITY ROOM

D91

SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS

BY: ATMI

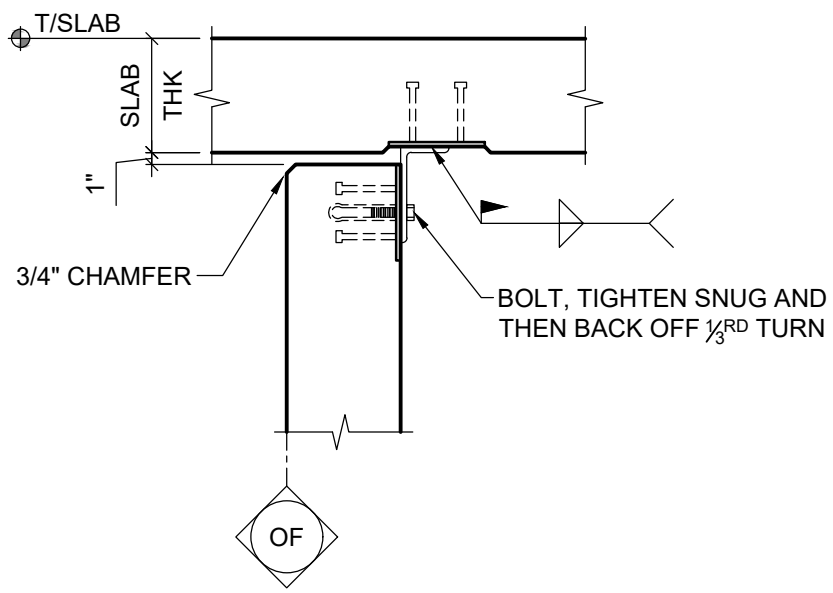
PROJECT: STANDARDS

ISSUED: 01/09/2017


REVISED: 2

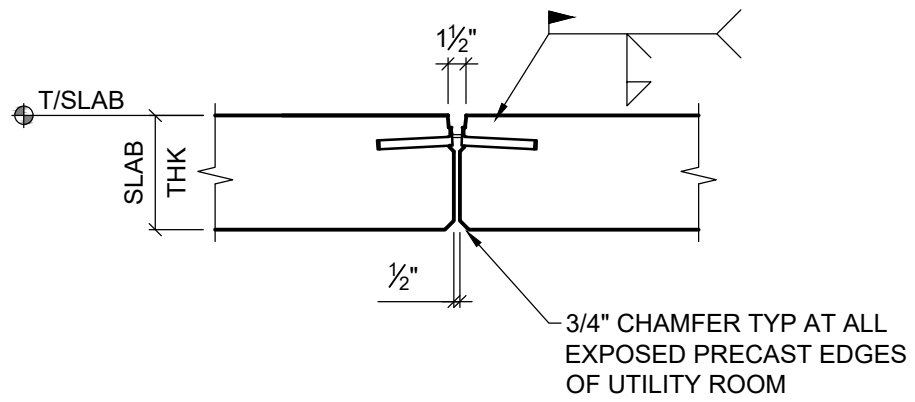
01/28/2020

D91



D92 NON-BEARING UTILITY ROOM
 SCALE: 3/4" = 1'-0"


	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	D92
	ISSUED: 01/09/2017	

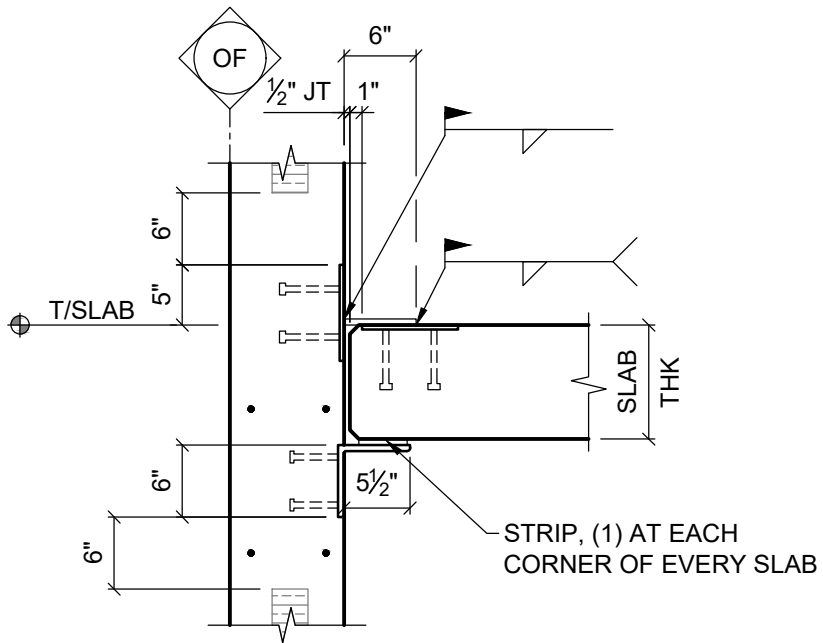


UTILITY ROOM SLAB TO SLAB
INTERMITTENT CONNECTION

D93

SCALE: 3/4" = 1'-0"

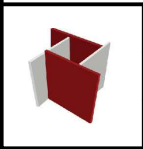
	TITLE: SHOP DRAWING DETAILS	BY: ATMI
	PROJECT: STANDARDS	<h1>D93</h1>
	ISSUED: 01/09/2017	



UTILITY ROOM SLAB
BEARING DETAIL

D94

SCALE: 3/4" = 1'-0"



TITLE: SHOP DRAWING DETAILS	BY: ATMI
PROJECT: STANDARDS	D94
ISSUED: 01/09/2017	
REVISED: 3	01/28/2020