

ITEMS OF INFORMATION – PARKING DECK

Required by Specialty Precast Engineer

October 2020

- Design Criteria
 - Governing Building Code
 - Parking Deck Classification – Open vs. Enclosed
 - Fire Rating(s) required of – horizontal framing (double tee’s, IT beams etc.) and vertical framing (columns, walls etc.)
 - Floor to Floor Clear height requirements (assuming 2” of production and construction tolerances)
 - Gravity Loads (Dead Load – DL, Live Load - LL, Superimposed Dead Load - SDL)
 - Wind Loading (including all criteria required by IBC on documents)
 - Wind Loading for Cladding & Components
 - Seismic Loading (including all criteria required by IBC on documents)
Specialty Precast Engineer assumes a Seismic Response Modification Coefficient of R=3 and design precast walls as “Ordinary Precast Shear Walls”
 - Snow Loading; Snow Removal management - will snow on roof be moved or stored or removed via snow chute
 - Rain Loads, Blast Loads, Thermal Loads, if applicable
 - Specialty Loads:
 - ✓ Vehicular Impact
 - ✓ Elevator Impact and Machine Room Loads and deflection criteria
 - ✓ Stair Loads
 - ✓ Escalator Loads, if applicable
 - Vibration criteria, if applicable
 - Topping thickness, if any; is topping structural or non-structural
 - Geotechnical
 - ✓ Copy of Geotechnical Report for information only
 - ✓ Equivalent fluid pressure behind precast walls retaining earth (typically in “dry condition” and in active state)
 - ✓ Surcharge live load on Slab-On-Grade adjacent to precast walls retaining earth
 - ✓ Soil parameters (for design of deadmen or screw anchors; usually confirmed by Project’s Geotechnical Engineer-of-Record)
 - Minimum allowable soil bearing capacity (3,000 psf minimum assumed)
 - Coefficient of soil adhesion, C_a (750 psi minimum assumed)
- Architectural
 - Architectural floor plans, parking deck elevations, and typical details
 - Top and bottom elevations of precast wall panel (ATMI assumes 1-inch grouted annular space between bottom of panels and support)
 - Top and bottom elevations of precast floor framing/beam/spandrels (ATMI assumes 1-inch grouted annular space between beam/spandrel and support)
 - Proposed wall panelization (ATMI standard joint width for parking deck structures is 3/4-inch) and Double Tee floor framing layout (ATMI standard joint width for laying out Double Tees is 1/2"-inch).
 - Assumed wall panel thickness, and assumed precast floor framing depth
 - Precast stairs layout
 - Ramping including slopes, start of ramping, end of ramping, jump ramps, speed ramps, etc.
 - Floor and Roof plans with slope to drains; drain sizes and locations; overflow drain sizes and locations; and scupper sizes and locations, if required
 - Finishes; brick layout versus panel joints, including returns; reveals; chamfers; window sills, etc.
 - 18-inch minimum jamb at openings required (minimum width from edge of panel to edge of any opening)



- Expansion joint locations, expansion joint width, and expansion joint material, are the responsibility of the AOR/EOR to design and detail; ATMI to determine story drift, under lateral load(s) specified by the EOR, at edges of building footprint and provide anticipated building movements for use by AOR/EOR such as in determining expansion joint widths, code compliance, etc.
 - Reveal size and locations (standard ATMI reveal is 2-inch wide by 1/2-inch deep)
 - Rough opening sizes (windows, doors, dock doors, clerestory windows, etc.)
 - Detail/Location of drips, wash, chamfers, etc. (see ATMI standard details)
 - Precast joints (butt, miter, lapped, etc. see ATMI standard details). ATMI prefers butt or lapped precast joints.
 - Location and size of canopies, awnings, etc.
 - Confirm bottom of precast element elevations; double tees, inverted tees, lintel beams, solid slabs, etc.
 - Confirm MEP penetrations required through walls (8-inch diameter penetrations can be cored if properly located); larger openings must be cast in wall panels
 - Confirm MEP penetrations through floor elements (double tees or solid slabs)
 - Miscellaneous embed requirements for:
 - ✓ Handrails
 - ✓ Vehicle barrier restraints
 - ✓ Stairs
 - ✓ Elevators
 - ✓ OH Doors, if any
 - ✓ Tee stem web MEP openings (size and location)
- Structural
- Foundation Plans and details with T/Foundation identified (i.e., bottom of precast) including steps in foundations
 - Floor/Roof Framing Plans including top of precast framing elevations and details, with design loading criteria
 - Provide protection (galvanization, epoxy etc.) requirements for embedded hardware and/or reinforcement
 - Special Loads- Provide service level DL, LL, N (axial tension), uplift loads for embeds needed to support framing (not designed by Specialty Precast Engineer).
 - ✓ Canopies
 - ✓ Awnings
 - ✓ attached to precast
 - ✓ Wind girts
 - ✓ Other structural elements
 - Design and detailing and imposed loads needed to support vertical people transportation (by others) - stairs, escalators, elevators, etc. Stairs, if precast, will be designed and detailed by Specialty Precast Engineer.
 - Typical precast framing Details applicable to Parking Decks - See ATMI standard details
- Specialty Precast Engineer will provide the following to the Design Team for review prior to issuance of Approval Shop Drawing/Calculations per a mutually agreed upon schedule:
- ATMI's understanding of Design Team (AOR/EOR's) roles and responsibilities on the project
 - Proposed precast panelization
 - Recommended details at precast to CIP, and precast to structural steel interface, as applicable
 - Precast loads imposed on foundation elements including DL, LL, SDL, and lateral loads (based on floor loading and lateral load criteria provided by EOR)
 - Anticipated Building vertical/lateral deflections
 - The design of all structural steel that is supporting precast within the building footprint.
 - Advise on structural topping versus non-structural topping, including thickness and profile
 - Diaphragm design and detailing, including chords and collectors
 - Work with the Plumbing engineer and assist in determining drainage for the parking deck
 - Assist in coordinating MEP penetrations through all horizontal and vertical precast framing elements



STANDARD PARKING DECK SHOP DRAWING DETAILS
09/29/2021

<http://www.atmiprecast.com>

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

1	PLAN KEY	09/01/2021	PD11	DT BEARING ON CAST-IN-PLACE WALL BUTTON HAUNCH	09/01/2021
2	CIP TOPPING GENERAL NOTES	09/01/2021	PD11A	DT BEARING ON CAST-IN-PLACE WALL BUTTON HAUNCH	09/01/2021
3	DOUBLE TEE (DT) CORING GUIDELINES	09/01/2021	PD12A	DT PARALLEL TO CAST-IN-PLACE WALL	09/01/2021
4	WALL PANEL CORING GUIDELINES	09/01/2021	PD12B	DT PARALLEL TO CAST-IN-PLACE WALL	09/01/2021
5	ANCHORING GUIDELINES	09/01/2021	PD13A	DT SADDLE BEARING ON WALL	09/01/2021
6	STANDARD SHIMMING PRACTICES	09/01/2021	PD13C	DT SADDLE BEARING ON WALL	09/01/2021
7	ELECTRICAL BLOCKOUTS	09/01/2021	PD14	TYPICAL HORIZONTAL JOINT DETAIL	09/01/2021
8	CORING COORDINATION GUIDELINES	09/01/2021	PD14A	DT FLANGE TO FLANGE INTERFACE (FLANGE THICKNESS \geq 3")	09/01/2021
9	GUARDRAIL GUIDELINES	09/01/2021	PD14B	DT FLANGE TO FLANGE INTERFACE (FLANGE THICKNESS \geq 3") W/ TOPPING	09/01/2021
10	CIP TOPPING NOTES	09/01/2021	PD16A	DIAPHRAGM CHORD DT FLANGE CONNECTION (PRETOPPED)	09/01/2021
PD1	DT BEARING ON IT BEAM	09/01/2021	PD16D	DIAPHRAGM CHORD DT FLANGE CONNECTION (PRETOPPED TO CIP WASH)	09/01/2021
PD2A	DAPPED DT BEARING ON IT BEAM	09/01/2021	PD19A	COLUMN TO COLUMN SPLICE DETAIL	09/01/2021
PD3A	DT BEARING ON TOP-IN-FORM FACE WALL BUTTON HAUNCH	09/01/2021	PD19B	COLUMN TO COLUMN MOMENT SPLICE DETAIL	09/01/2021
PD4A	DT BEARING ON FORM FACE BUTTON HAUNCH	09/01/2021	D6	REFER TO INDUSTRIAL STANDARDS	06/22/2021
PD4C	DT BEARING ON FORM FACE BUTTON HAUNCH	09/01/2021	PD20	PC TO PC GROUT SLEEVE	09/01/2021
PD5	DT BEARING ON CONTINUOUS SPANDREL	09/01/2021	PD21	PC TO FOUNDATION GROUT SLEEVE	09/01/2021
PD6A	PRETOPPED DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL	09/01/2021	PD22A	DT TOP FLANGE TO BEAM	09/01/2021
PD6B	CIP WASH DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL	09/01/2021	PD22B	DT TOP FLANGE TO BEAM	09/01/2021
PD6C	PRETOPPED DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL	09/01/2021	PD22C	DT TOP FLANGE TO BEAM	09/01/2021
PD7A	IT BEAM BEARING ON COLUMN (ONE CORBEL)	09/01/2021	PD22D	DT TOP FLANGE TO BEAM	09/01/2021
PD7C	IT BEAMS BEARING ON COLUMN (TWO CORBELS)	09/01/2021	PD23	DT TOP FLANGE TO WALL	09/01/2021
PD7.1A	IT BEAM TO COLUMN TOP TIEBACK	09/01/2021	PD24	DT TOP FLANGE TO CIP WALL	09/01/2021
PD7.1B	IT BEAM TO COLUMN TOP TIEBACK	09/01/2021	PD25A	STACKED PANEL CONNECTION	09/01/2021
PD7.2A	ROLLOVER CONNECTION	09/01/2021	PD25B	STACKED PANEL CONNECTION	09/01/2021
PD7.2B	ROLLOVER CONNECTION	09/01/2021	PD26A	IT BEAM BEARING ON WALL CORBEL	09/01/2021
PD8A	LOAD BEARING SPANDREL COLUMN TIEBACK	09/01/2021	PD26.1A	IT BEAM TO WALL TOP TIEBACK	09/01/2021
PD8B	NON-LOAD BEARING SPANDREL COLUMN TIEBACK	09/01/2021	PD26.1B	IT BEAM TO WALL TOP TIEBACK	09/01/2021
PD8.1	SPANDREL BEARING ON EXTERIOR COLUMN	09/01/2021	PD26.2A	ROLLOVER CONNECTION	09/01/2021
PD9	DRAIN IN DT	09/01/2021	PD26.2B	ROLLOVER CONNECTION	09/01/2021
PD9.1	DRAIN IN DT	09/01/2021	PD27	DT FLANGE TO FLANGE INTERFACE AT EJ	09/01/2021
PD10A	LIGHT POLE BASE DETAIL @ WALL WITH CORBEL	09/01/2021	PD28	DOUBLE COLUMN AT EJ	09/01/2021
PD10B	LIGHT POLE BASE DETAIL @ WALL/COLUMN WITHOUT CORBEL	09/01/2021	PD29	SPANDREL TIEBACK AT EJ	09/01/2021

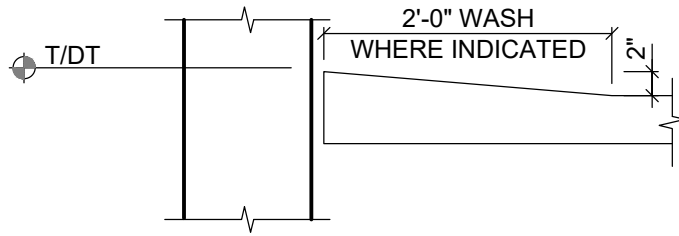


TITLE:	SHOP DRAWING DETAILS	BY:	ATMI
PROJECT:	PARKING DECK STANDARDS		
ISSUED:	09/29/2021	REVISED:	0

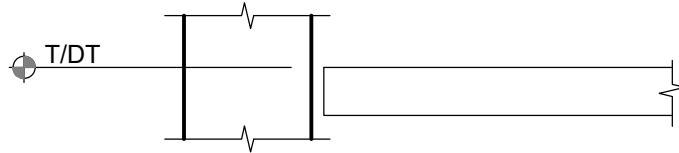
PD29.1	SPANDREL BEARING ON EXTERIOR COLUMN AT EJ	09/01/2021	PD56	EXPANSION JOINT ALIGNMENT CONNECTION	09/29/2021
PD32A	TYP. STAIR PLAN	09/01/2021	PD57	PANEL CONNECTION	09/29/2021
PD32B	TYP. STAIR PLAN	09/01/2021	PD58	SHEAR CONNECTION	09/29/2021
PD33	STAIR BASE CONNECTION	09/01/2021	PD59	MITER CORNER	09/29/2021
PD34	STAIR NOSING	09/01/2021	PD60	OUTSIDE BUTT CORNER	09/29/2021
PD35A	NON-LOAD BEARING LANDING SLAB TO WALL	09/01/2021	PD61	INSIDE BUTT CORNER	09/29/2021
PD35B	NON-LOAD BEARING RISER SLAB TO WALL	09/01/2021	PD62	OVERLAP CORNER	09/29/2021
PD36A	STAIR LANDING SUPPORT	09/01/2021	PD63	HIDDEN PANEL CONNECTION	09/29/2021
PD36B	STAIR SLAB TO RISER SLAB	09/01/2021	PD64	SPANDREL SUPPORT	09/29/2021
PD37	STAIR SLAB TO STAIR SLAB	09/01/2021	PD65A	SPANDREL TO STEEL COL.	09/29/2021
PD40A	BASE CONNECTION AT TRENCH FOOTING	09/29/2021	PD65B	SPANDREL TO STEEL COL.	09/29/2021
PD40B	BASE CONNECTION AT TRENCH FOOTING	09/29/2021	PD66A	SPANDREL TO STEEL COL.	09/29/2021
PD41A	BASE CONNECTION AT STEM WALL	09/29/2021	PD66B	SPANDREL TO STEEL COL.	09/29/2021
PD41B	BASE CONNECTION AT STEM WALL	09/29/2021	PD67	VERTICAL/HORIZONTAL REVEAL	09/29/2021
PD42	FLOOR TIE	09/29/2021	PD68	CAULK CORNER	09/29/2021
PD43	BEAM POCKET	09/29/2021	PD69	1/2" EDGE CHAMFER	09/29/2021
PD43A	BEAM POCKET - ENLARGED DETAIL	09/29/2021	PD70	3/4" EDGE CHAMFER	09/29/2021
PD43B	BEAM POCKET - EXPLODED VIEW	09/29/2021	PD71	3/4" EDGE CHAMFER ON EACH FACE	09/29/2021
PD44	BEAM POCKET AT JOINT	09/29/2021	PD72	DRIP REVEAL	09/29/2021
PD44A	BEAM POCKET AT JOINT - ENLARGED DETAIL	09/29/2021	PD73	SILL WASH	09/29/2021
PD45	BEARING EMBED	09/29/2021	PD74	PANEL JOINT	09/29/2021
PD46	JOIST GIRDER POCKET	09/29/2021	PD75	FIRE RATED PANEL JOINT	09/29/2021
PD47	JOIST GIRDER POCKET AT PANEL JOINT	09/29/2021	PD76	REINFORCING AROUND OPENINGS	09/29/2021
PD47A	JOIST GIRDER POCKET AT PANEL JOINT	09/29/2021	PD77	PLANK BEARING ANGLE	09/29/2021
PD48	PERPENDICULAR NOTCHED BEARING	09/29/2021	PD78	PLANK BEARING EMBED	09/29/2021
PD49	PARALLEL NOTCHED BEARING	09/29/2021	PD79	PLANK BEARING T/PRECAST	09/29/2021
PD50	JOIST BEARING ANGLE	09/29/2021	PD80	PLANK NON BEARING	09/29/2021
PD51	BEARING EMBED	09/29/2021	PD81	UTILITY ROOM SLAB BEARING	09/29/2021
PD52	PANEL TO PANEL TIE BACK	09/29/2021	PD82	INSIDE BEARING UTILITY ROOM	09/29/2021
PD53	DECK BEARING AT EMBED ANGLE	09/29/2021	PD83	NON-BEARING UTILITY ROOM	09/29/2021
PD54	DECK BEARING AT INTERMITTENT EMBED	09/29/2021	PD84	UTILITY ROOM SLAB TO SLAB INTERMITTENT CONNECTION	09/29/2021
PD55	ALIGNMENT/SHEAR CONNECTION	09/29/2021	PD85	UTILITY ROOM SLAB BEARING DETAIL	09/29/2021



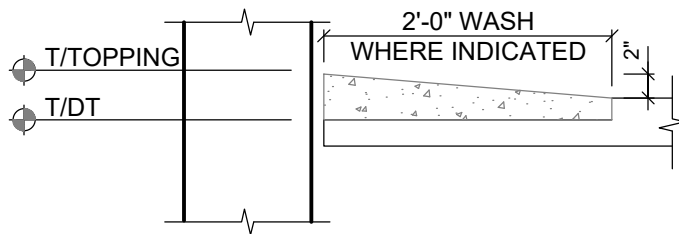
TITLE:	SHOP DRAWING DETAILS	BY:	ATMI
PROJECT:	PARKING DECK STANDARDS		
ISSUED:	09/29/2021	REVISED:	0



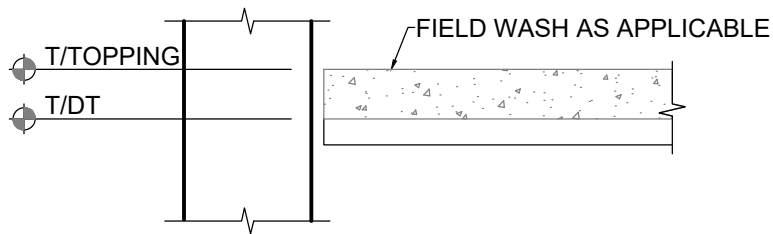
PRETOPPED DT FLANGE (PLANT WASH)



PRETOPPED DT FLANGE (NO WASH)

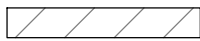


PRETOPPED DT FLANGE (FIELD WASH)

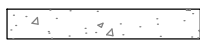


FIELD TOPPED DT FLANGE

STANDARD PLAN INDEX



CIP TOPPING (END BAYS)



CIP TOPPING (POUR STRIP)



X'-0" x X'-0" DRAIN BLOCKOUT



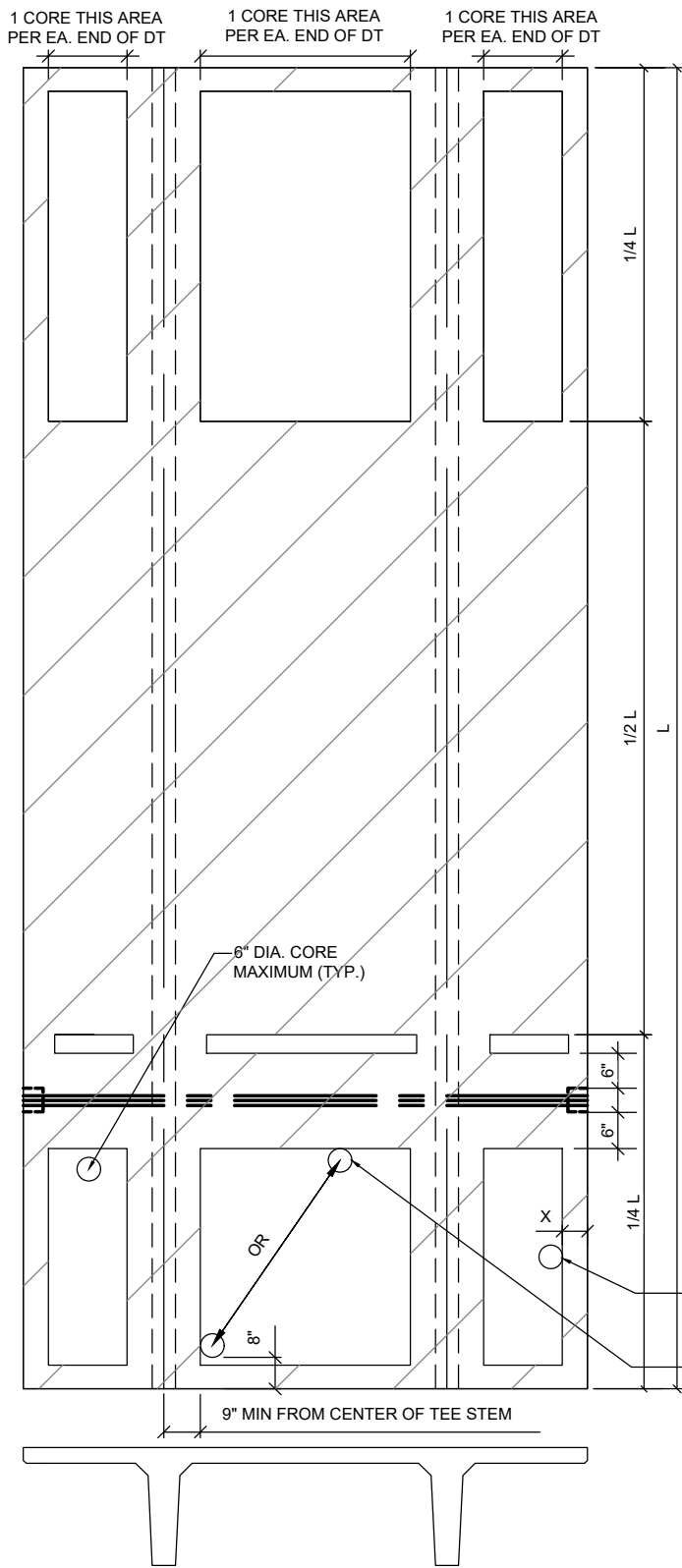
XX" STEM + X" FLANGE PRECAST DOUBLE TEE (2" FLANGE MIN AT CIP TOPPED AREAS)

< X'-X" >

LENGTH OF DOUBLE TEE



MASONRY WALL (NOT BY ATMI)



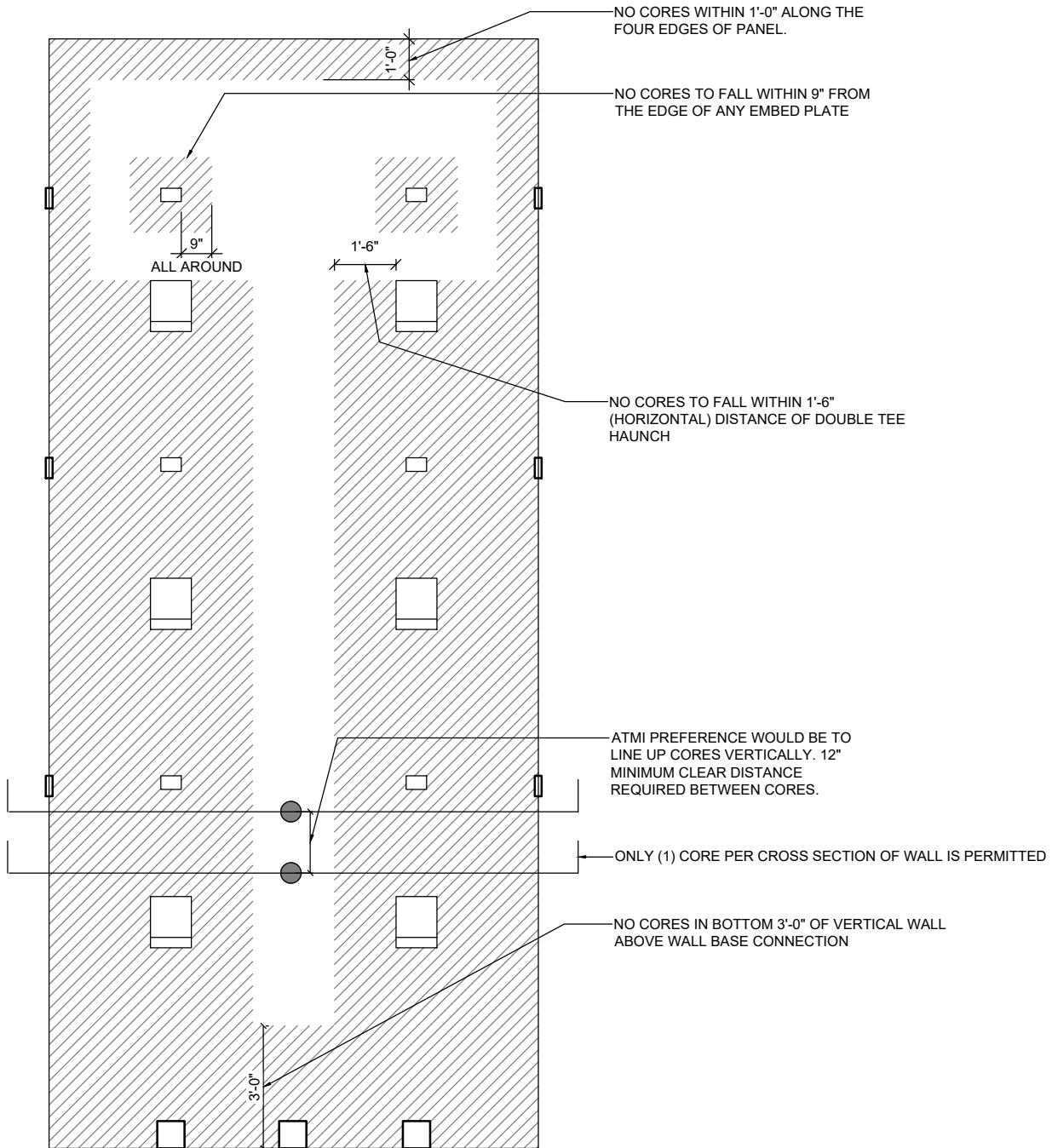
FROM EDGE OF TEE TO EDGE OF CORE
 0'-8" MIN. FOR CORE IN 4" FLANGE
 1'-2" MIN. FOR CORE IN 2" FLANGE

(2) CORES SHOWN TO ILLUSTRATE RESTRICTIONS
 ONLY (1) CORE ALLOWED IN THE AREA

CORES THAT FALL OUTSIDE THE REALM OF THESE GUIDELINES WILL BE EVALUATED ON A CASE BY CASE BASIS AND CAN PROCEED ONLY AFTER A WRITTEN APPROVAL FROM ATMI.



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		3
ISSUED: 09/01/2021	REVISED: \triangle 0	



CORING COORDINATION GUIDELINES - WALL PANELS (WITHOUT OPENINGS)

1. MAX. DIA. OF CORE PERMITTED = 6 INCHES. NO CORES PERMITTED IN SHADED AREA.
2. (4) CORES MAX PER EACH VERTICAL WALL PANEL
3. SUBMIT ALL WALL PANEL CORE REQUESTS TO ATMI FOR REVIEW AND WRITTEN APPROVAL. ATMI WILL REVIEW AND RESPOND TO CORE REQUESTS WITHIN THREE BUSINESS DAYS.



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

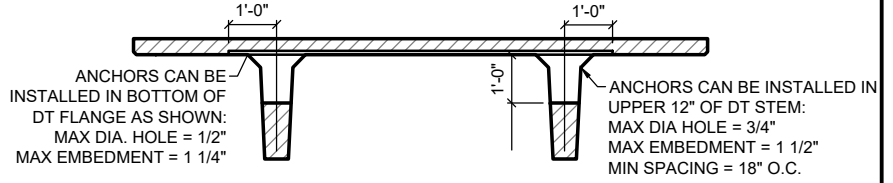
ISSUED: 09/01/2021

REVISED: \triangle 0

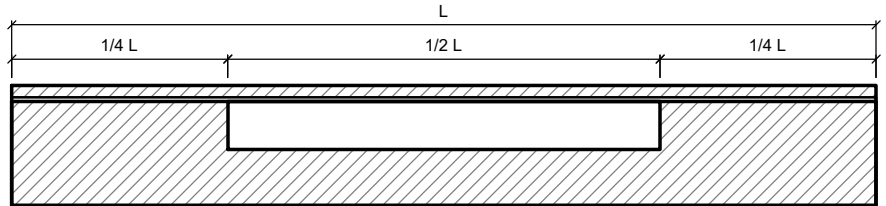
POST INSTALLED ANCHOR COORDINATION GUIDELINES - DTs

SUBMIT ALL ANCHOR REQUESTS TO ATMI FOR REVIEW AND WRITTEN APPROVAL. ATMI WILL REVIEW AND RESPOND TO ANCHOR REQUESTS WITHIN THREE BUSINESS DAYS.

NO ADDITIONAL LOADS PERMITTED OTHER THAN THOSE ALREADY INDICATED IN THE DESIGN CRITERIA

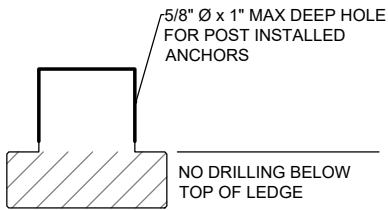


ANCHORS IN DT STEM ONLY PERMITTED WITHIN THE MIDDLE HALF OF DT LENGTH
ANCHORS IN BOTTOM OF FLANGE PERMITTED THE ENTIRE LENGTH OF DT

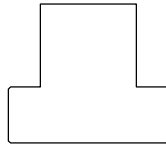


POST INSTALLED ANCHOR COORDINATION GUIDELINES - IT BEAMS

SUBMIT ALL ANCHOR REQUESTS TO ATMI FOR REVIEW AND WRITTEN APPROVAL. ATMI WILL REVIEW AND RESPOND TO ANCHOR REQUESTS WITHIN THREE BUSINESS DAYS.

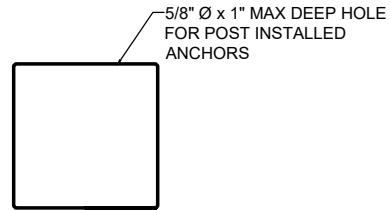


NO CORES ALLOWED

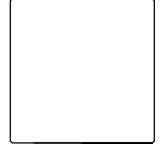


POST INSTALLED ANCHOR COORDINATION GUIDELINES - COLUMNS

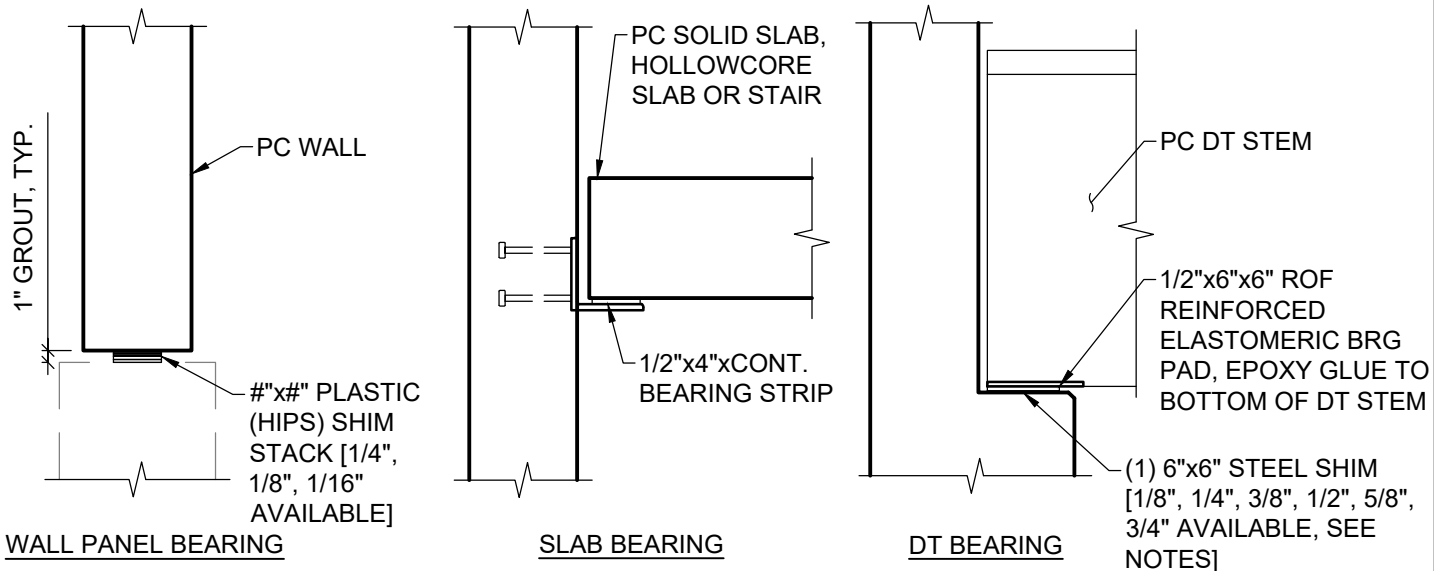
SUBMIT ALL ANCHOR REQUESTS TO ATMI FOR REVIEW AND WRITTEN APPROVAL. ATMI WILL REVIEW AND RESPOND TO ANCHOR REQUESTS WITHIN THREE BUSINESS DAYS.



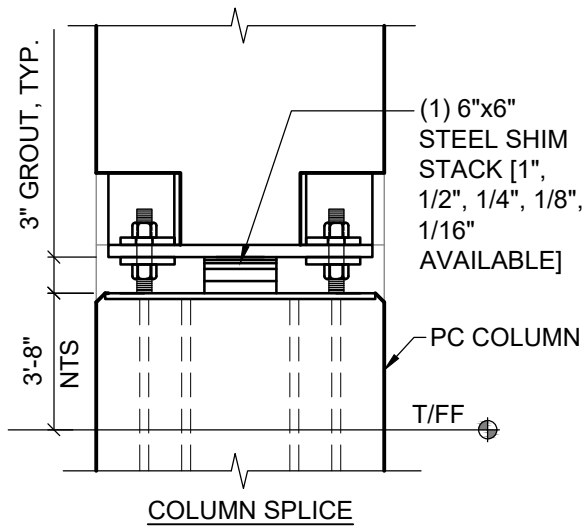
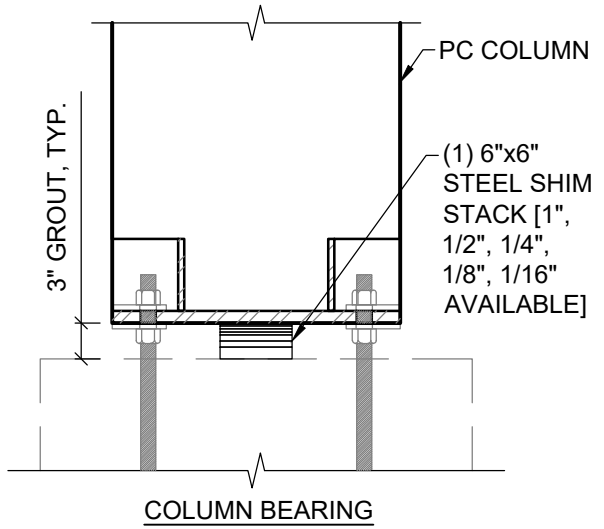
NO CORES ALLOWED



TITLE:	PARKING DECK DETAILS	BY:	ATMI
PROJECT:	ATMI STANDARDS	5	
ISSUED:	09/01/2021		REVISED:



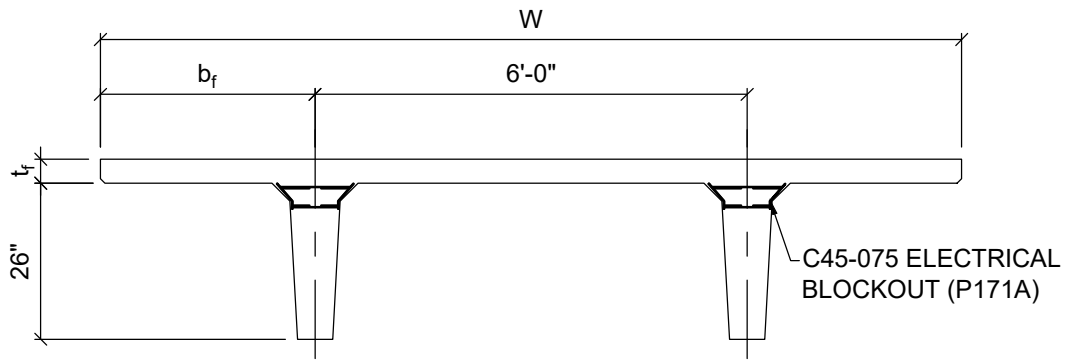
- NOTES**
- IF MULTIPLE SHIMS ARE REQUIRED, TACK WELD SHIMS ON TWO FACES OR CORNERS
 - DO NOT STACK STEEL SHIMS >1" OR MORE THAN (3) SHIMS



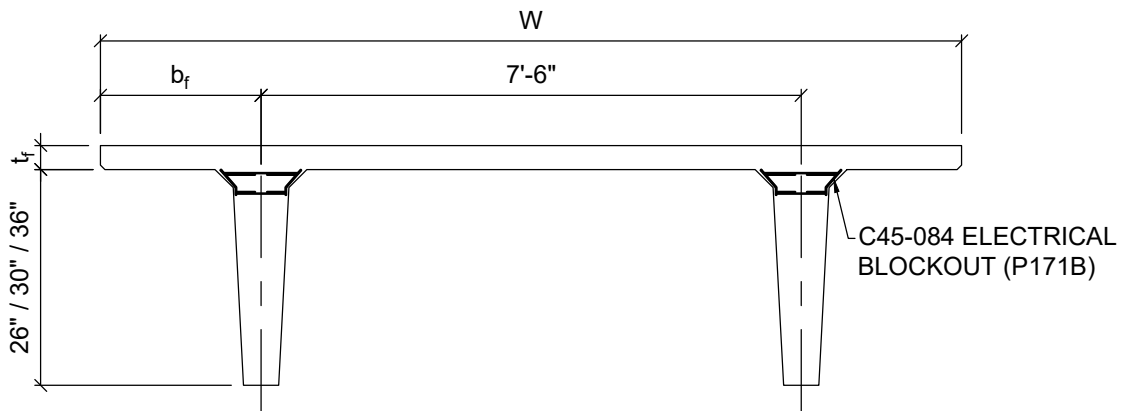
EMBED	DESCRIPTION
	6"x6" STEEL SHIM
	#" \times "# PLASTIC (HIPS) SHIM
	1/2"x6"x6" ROF REINFORCED ELASTOMERIC BRG PAD
	1/2"x4"xCONTINUOUS BRG STRIP



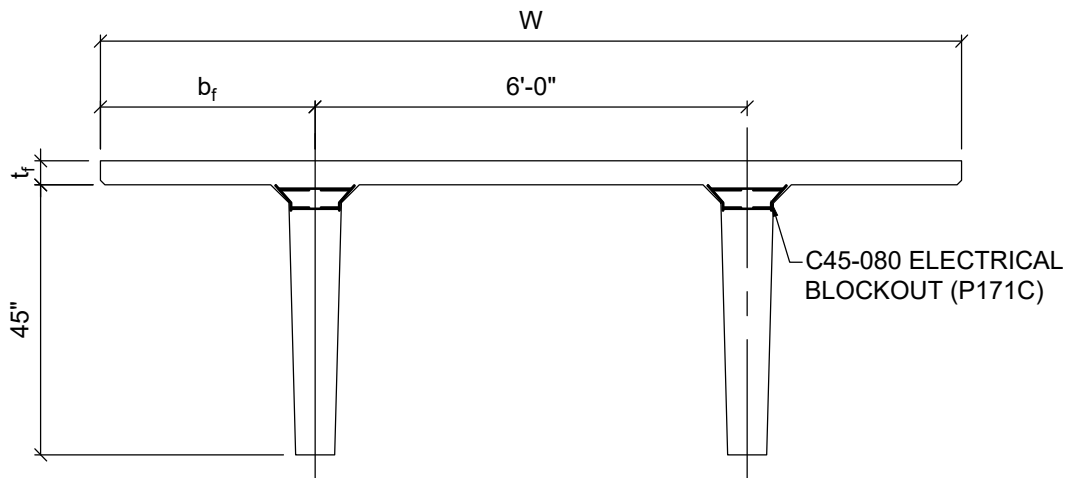
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		6
ISSUED: 09/01/2021	REVISED: \triangle 0	



26" STEM @ 6'-0" STEM SPACING DOUBLE TEE



26" / 30" / 36" STEM @ 7'-6" STEM SPACING DOUBLE TEE



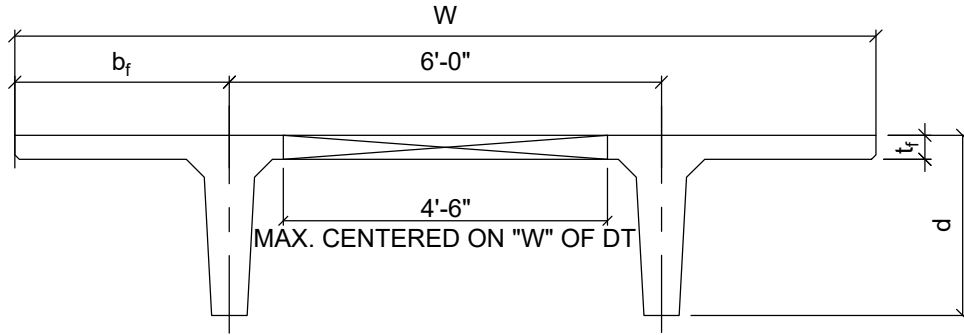
45" STEM @ 6'-0" STEM SPACING DOUBLE TEE

NOTE:

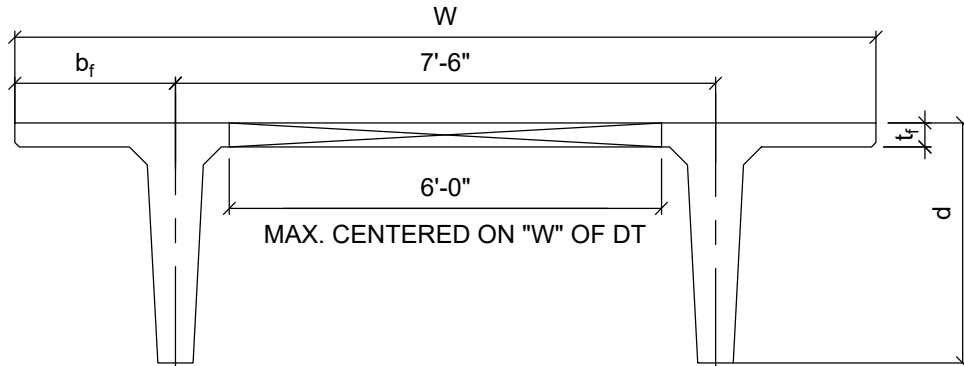
ATMI STANDARD IS TO PLACE ELECTRICAL BLOCKOUTS AT 1/3 POINTS OF THE DOUBLE TEE SPAN (2 PER STEM OR 4 PER DOUBLE TEE)

CORING COORDINATION GUIDELINES - DT'S

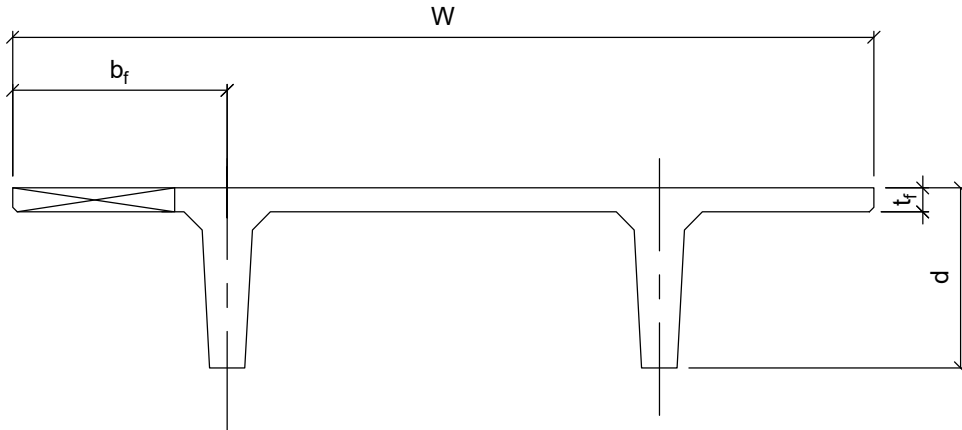
1. MAX. DIA. OF CORE PERMITTED = 6 INCHES. NO CORES PERMITTED IN SHADED AREA.
2. SEE ILLUSTRATION ON THE LEFT FOR THE NUMBER OF CORES PERMITTED IN EA. AREA.
3. MIN. CLEAR DISTANCE BETWEEN EDGE OF CORE TO:
 - 3.1. EDGE OF DT IN PRE-TOPPED PRECAST FLANGE = 0'-9"
 - 3.2. EDGE OF DT IN UN-TOPPED FLANGE (RAKE FINISH) = 1'-2"
 - 3.3. CENTER OF DT STEM = 1'-4"
 - 3.4. EDGE OF CHORD REINFORCEMENT PLATE = 0'-6"
4. NO CORES PERMITTED WITHIN THE MIDDLE HALF OF DT LENGTH



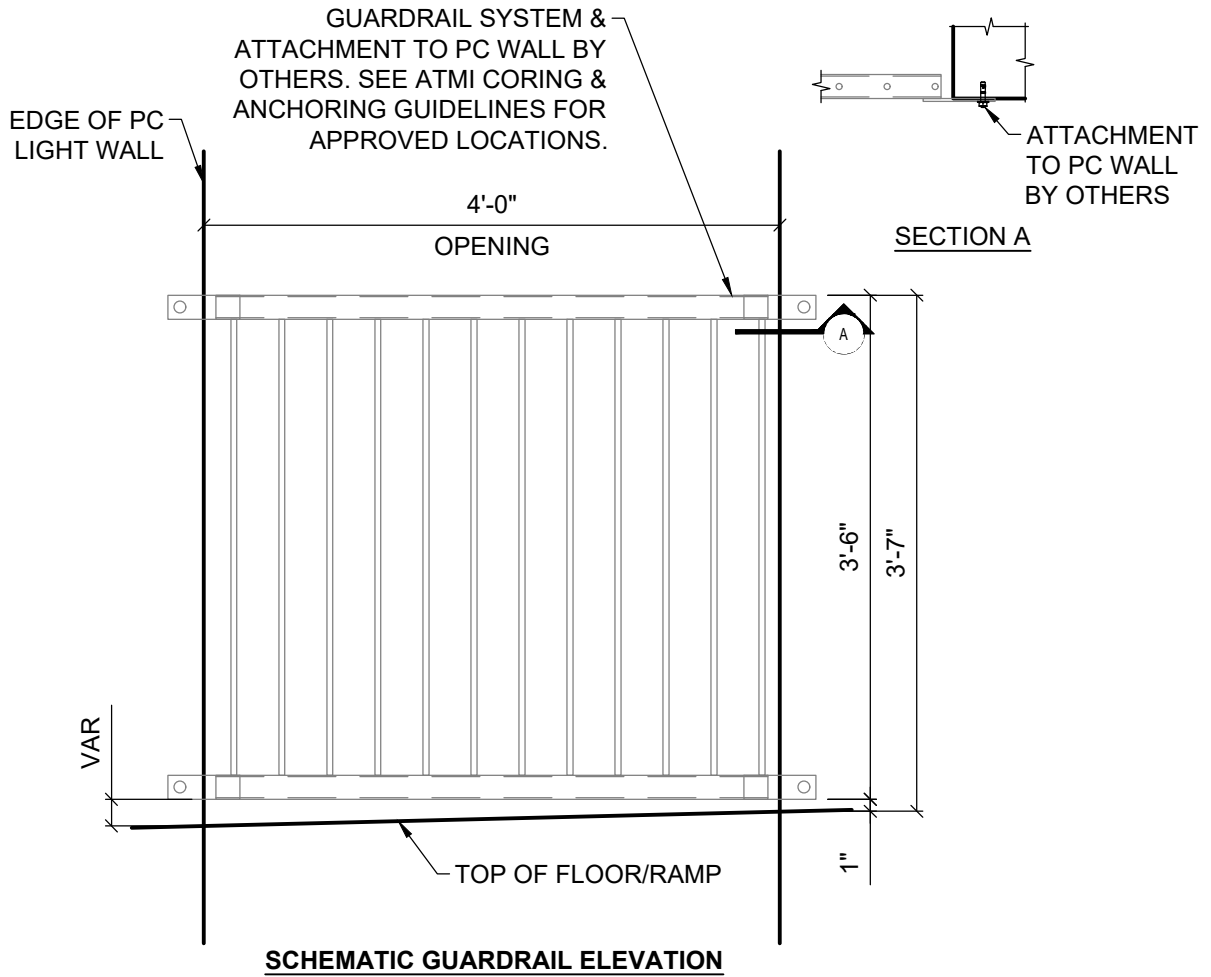
**FORMED OPENING BETWEEN STEMS - ATMI DT SECTION (6'-0" STEM SPACING)
(OPENING SIZE FINALIZED DURING SHOP DRAWINGS AND MEP COORDINATION)**

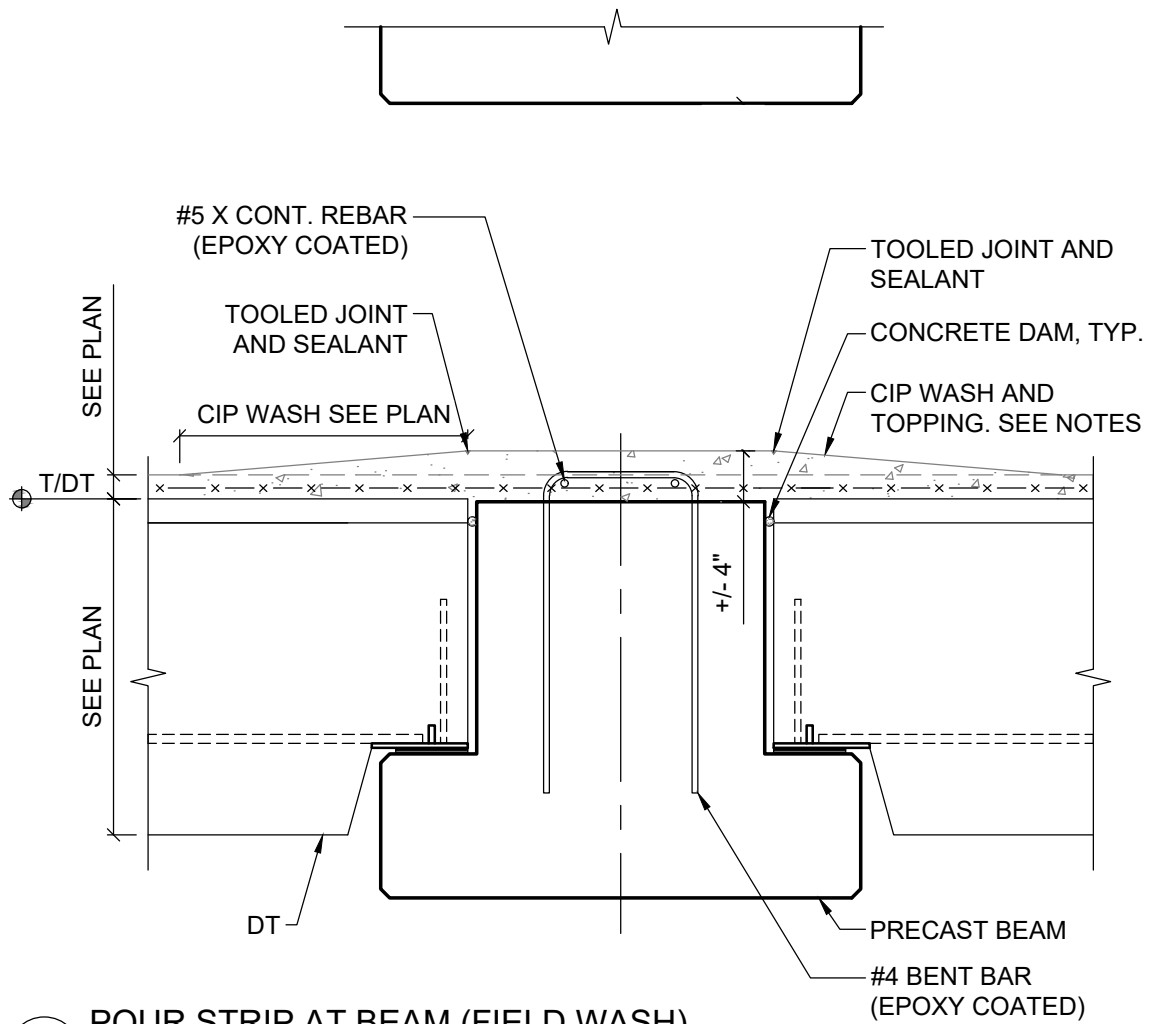


**FORMED OPENING BETWEEN STEMS - ATMI DT SECTION (7'-6" STEM SPACING)
(OPENING SIZE FINALIZED DURING SHOP DRAWINGS AND MEP COORDINATION)**

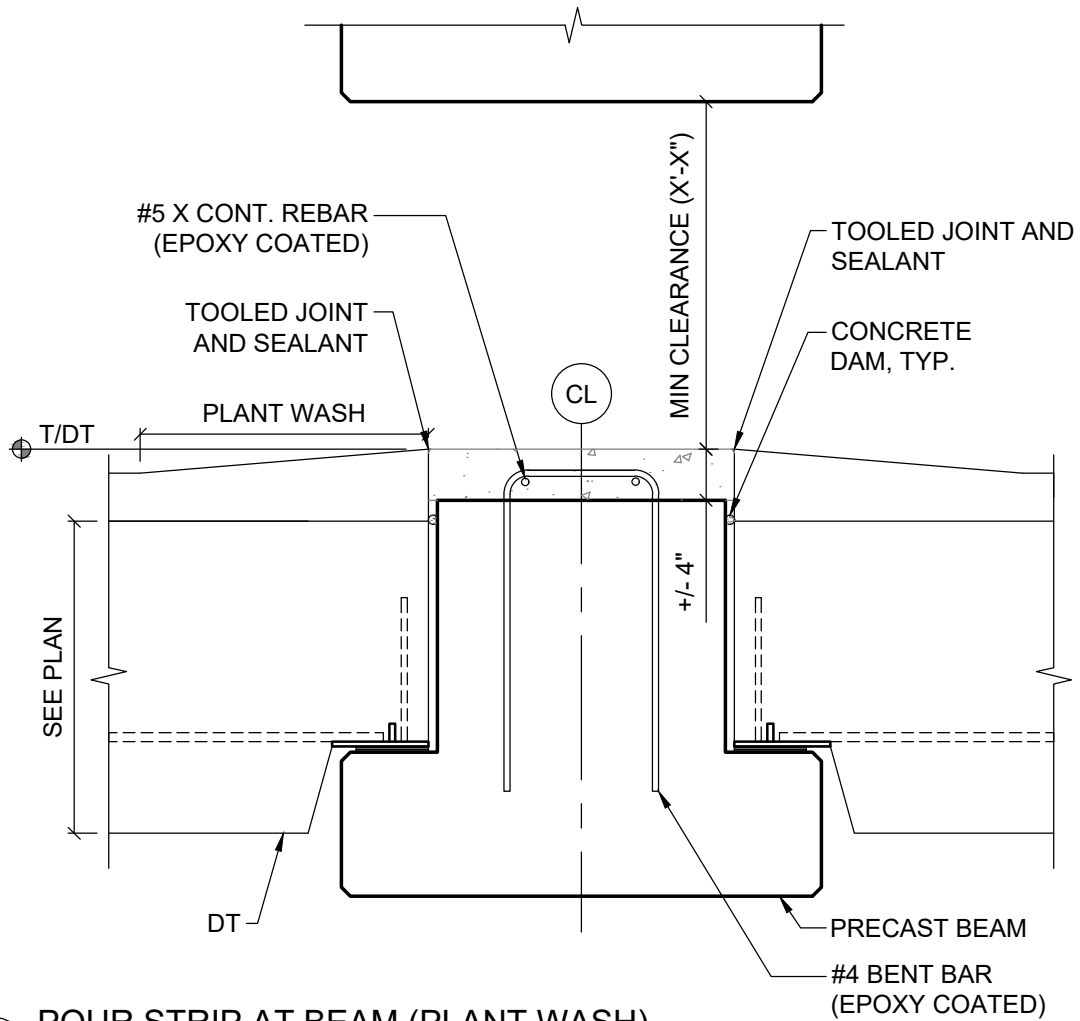


**FORMED OPENING @ FLANGE EDGE - ATMI DT SECTION (6'-0" STEM SPACING)
(OPENING SIZE FINALIZED DURING SHOP DRAWINGS AND MEP COORDINATION)**

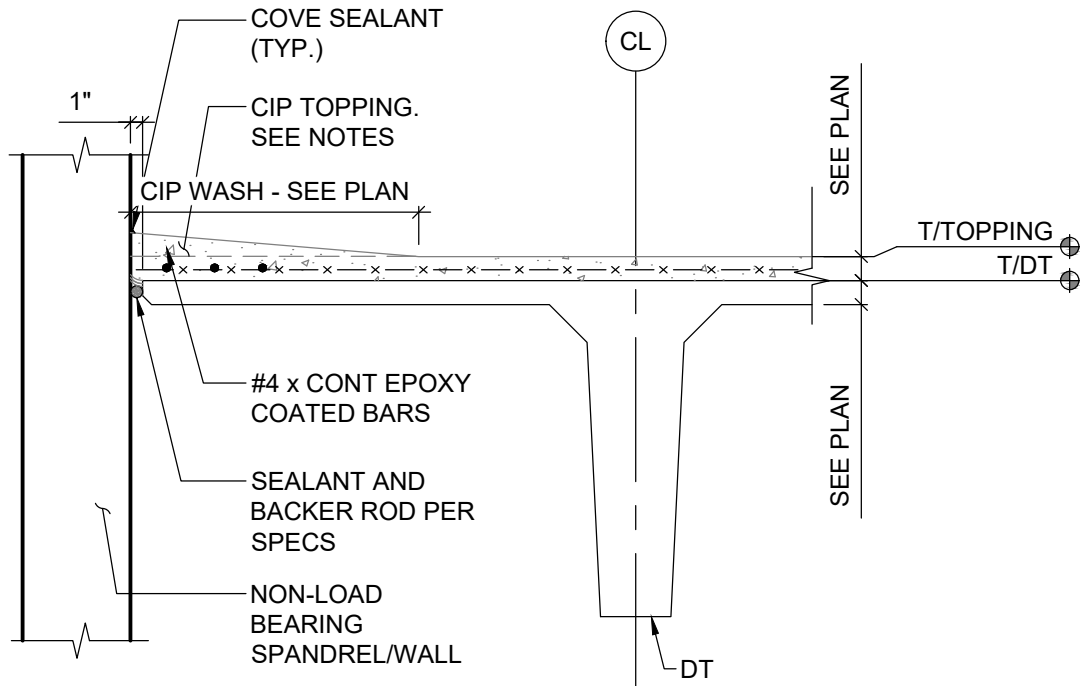




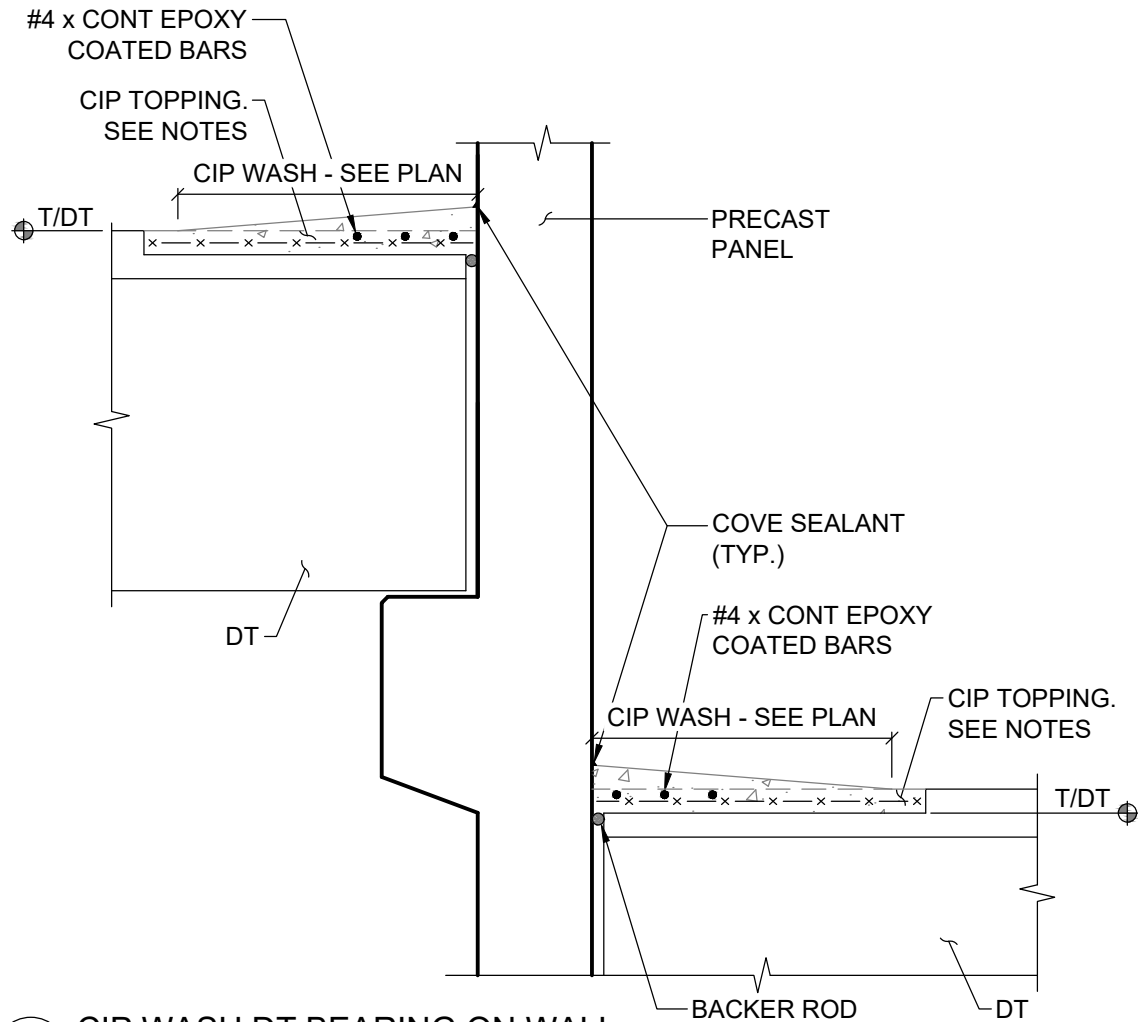
11 POUR STRIP AT BEAM (FIELD WASH)
SCALE: 3/4" = 1'-0"



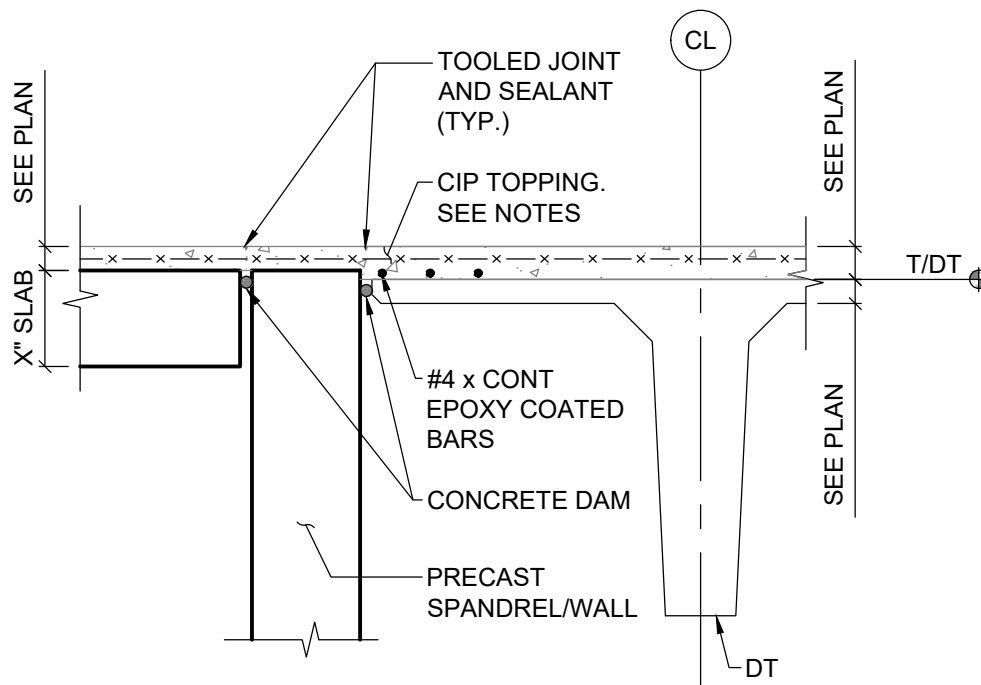
12 POUR STRIP AT BEAM (PLANT WASH)
 SCALE: 3/4" = 1'-0"



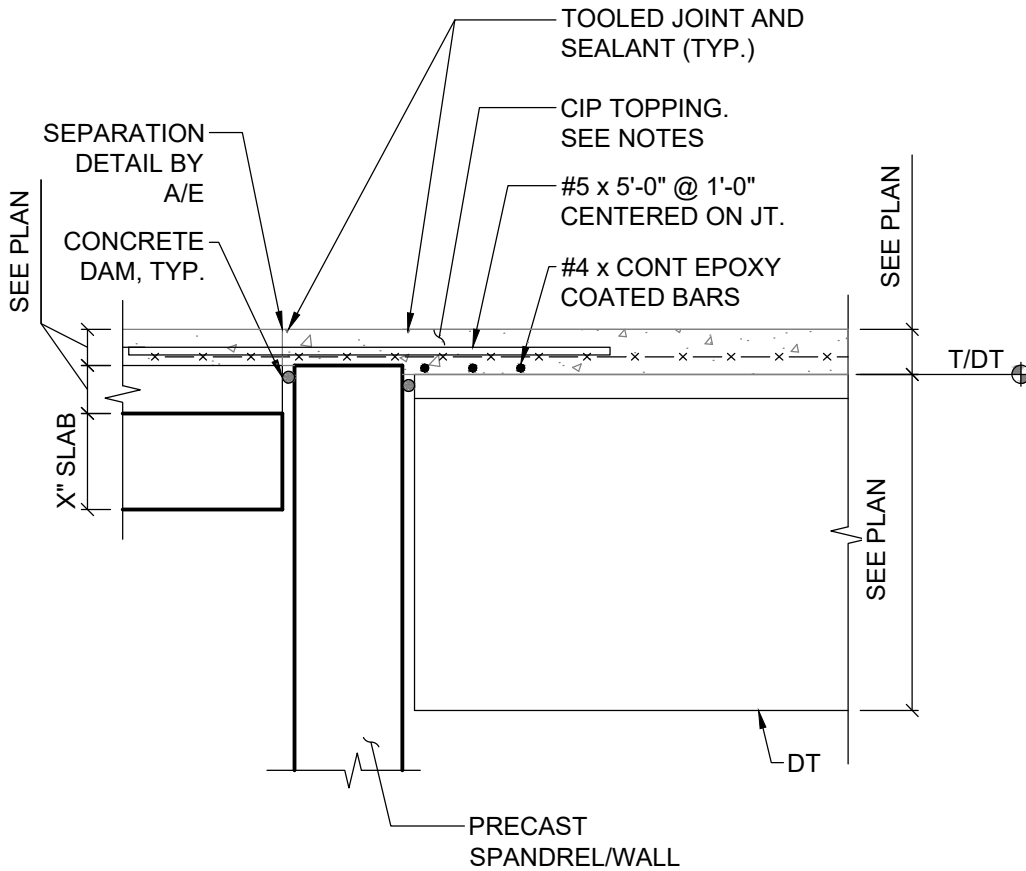
13 CIP TOPPING ON DT PARALLEL TO WALL
 SCALE: 3/4" = 1'-0"



14 CIP WASH DT BEARING ON WALL
SCALE: 3/4" = 1'-0"



15 CIP TOPPING ON DT AND SLAB
 PARALLEL TO WALL/SPANDREL
 SCALE: 3/4" = 1'-0"



**CIP TOPPING ON DT AND SLAB
PERPENDICULAR TO WALL/SPANDREL**

16
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

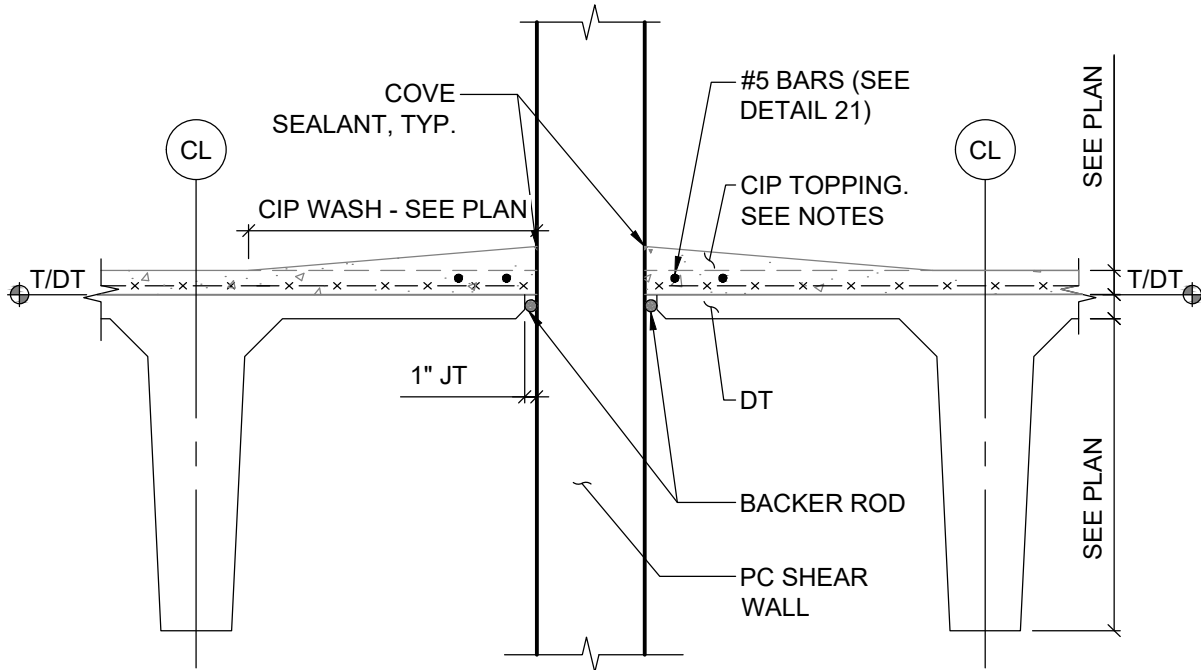
BY: ATMI

PROJECT: ATMI STANDARDS

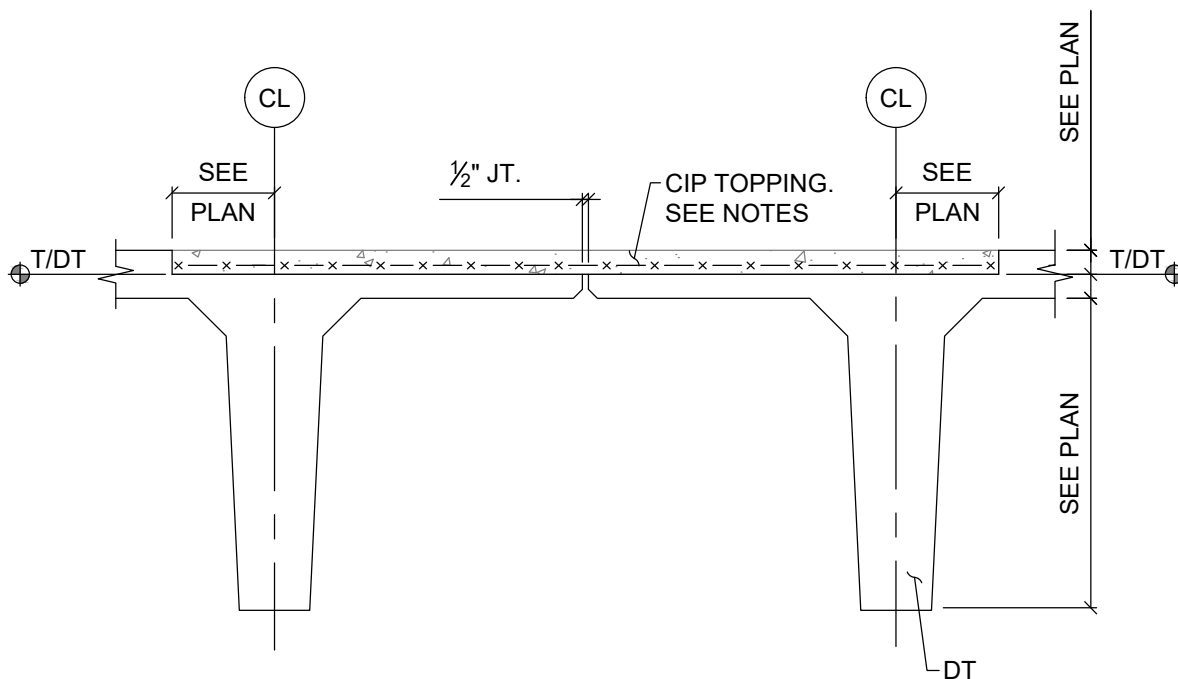
ISSUED: 10/05/2021

REVISED: 0

16



17 CIP TOPPING AT SHEAR WALL
 SCALE: 3/4" = 1'-0"



18A CIP TOPPING AT DT TO DT JOINT
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

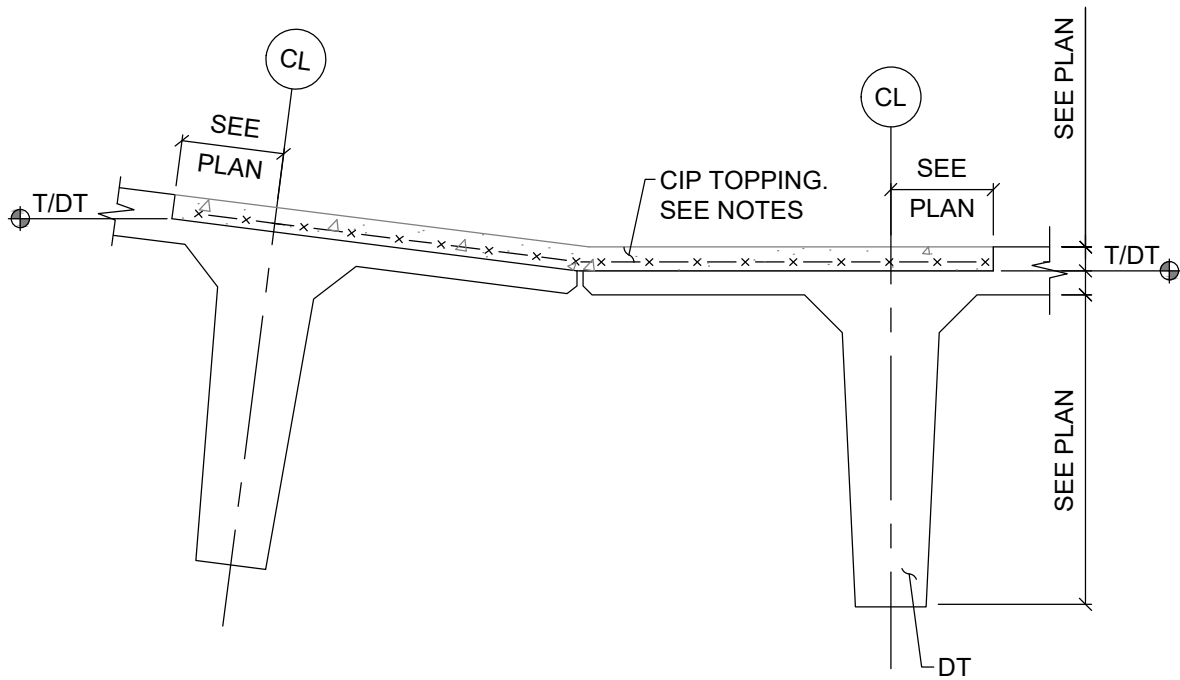
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 10/05/2021

REVISED: 0

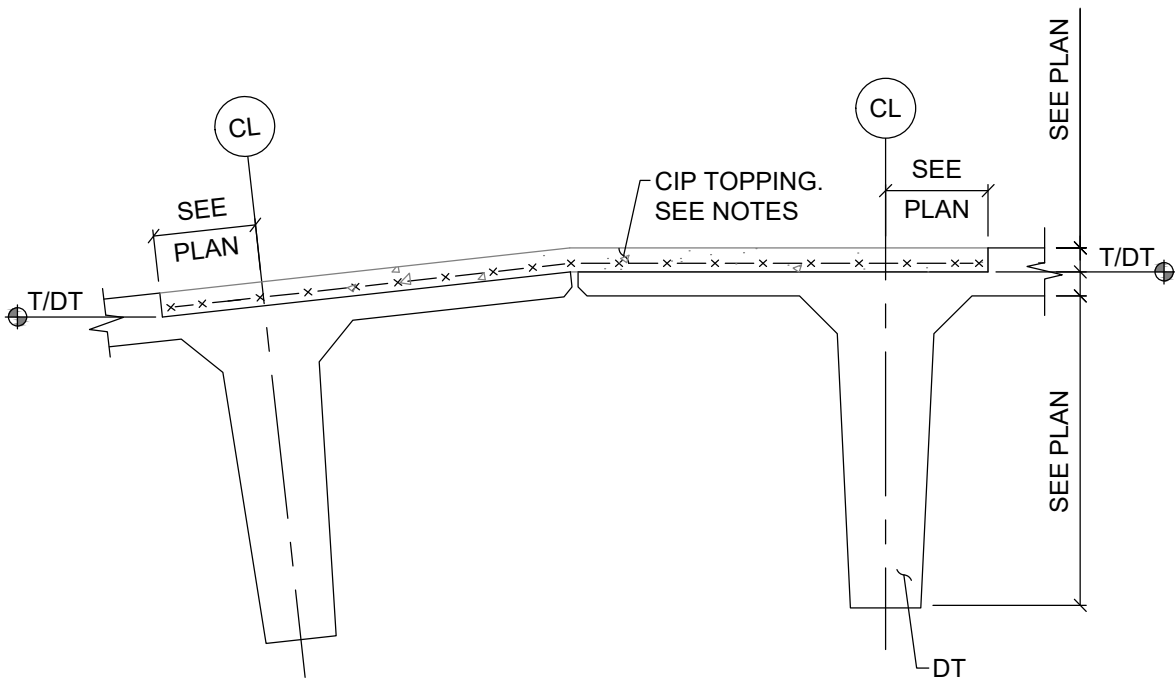
18A



18B CIP TOPPING AT DT TO DT JOINT
 SCALE: 3/4" = 1'-0"



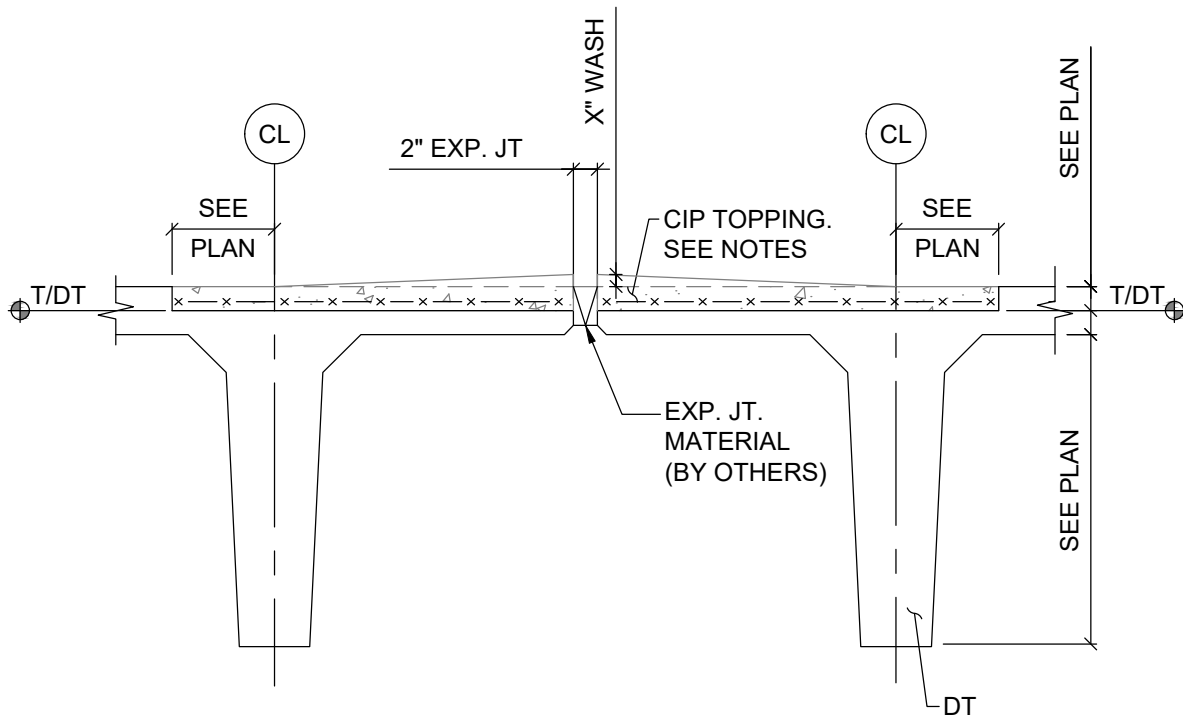
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		18B
ISSUED: 10/05/2021	REVISED: 0	



18C CIP TOPPING AT DT TO DT JOINT
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 10/05/2021	REVISED: 0	18C



19
CIP TOPPING AT DT TO DT EXPANSION JOINT
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

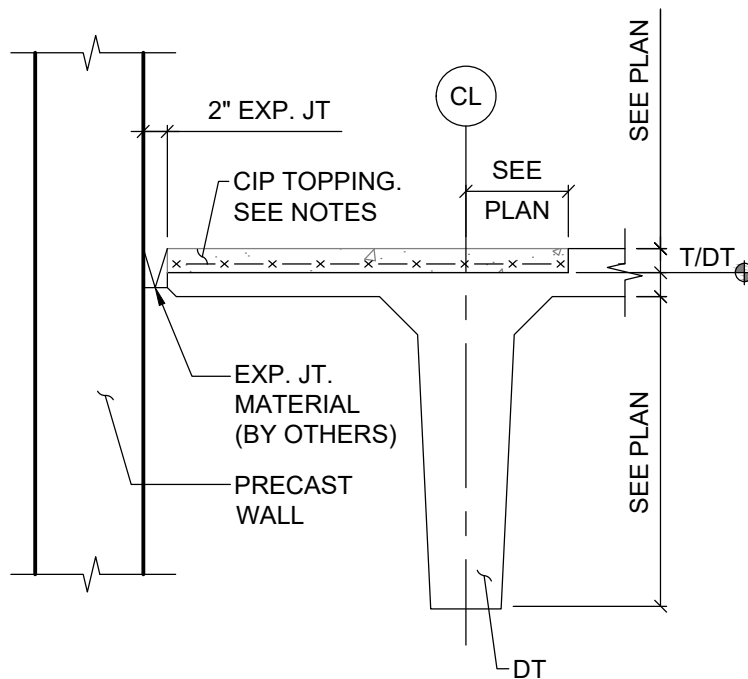
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 10/05/2021

REVISED: 0

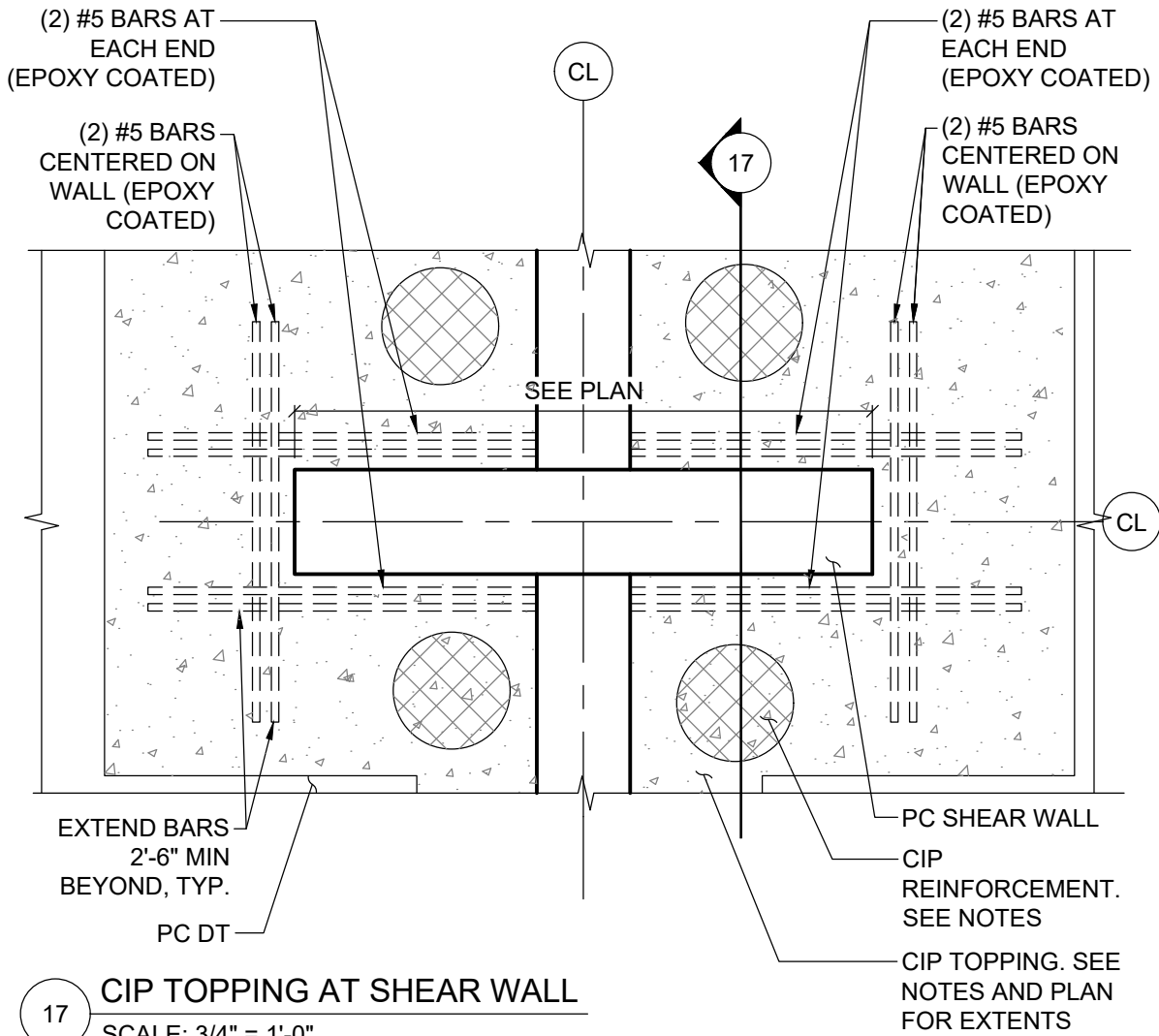
19

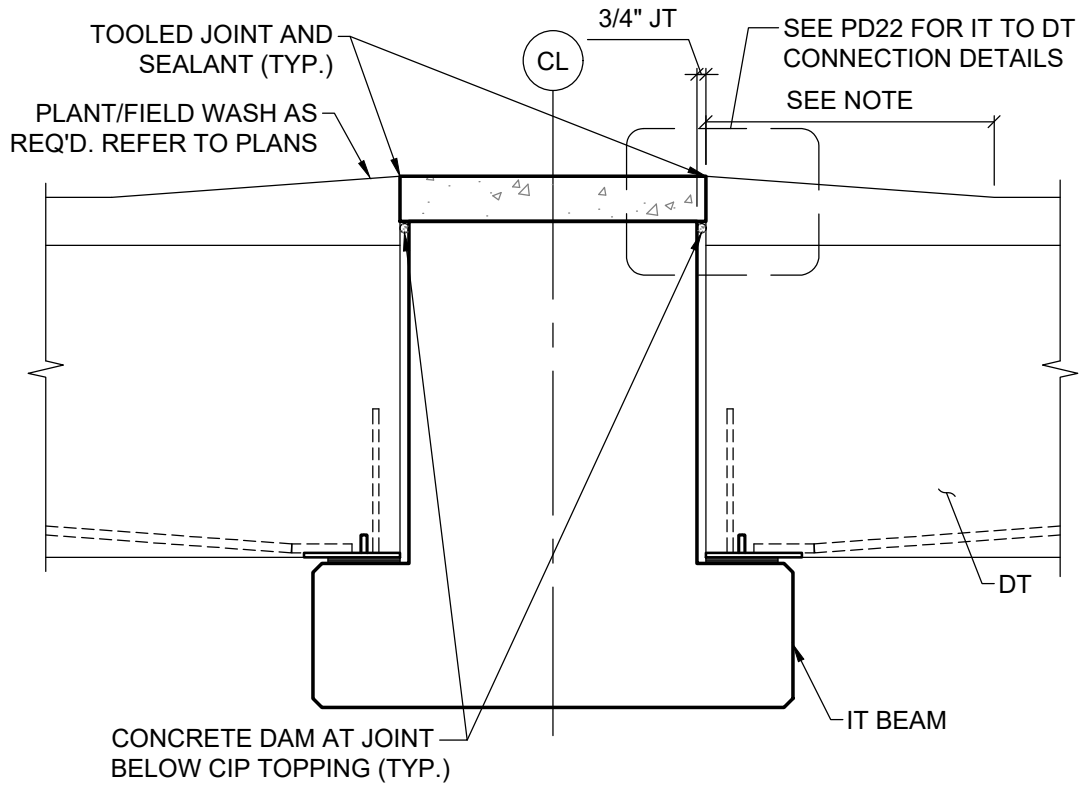


20
CIP TOPPING AT DT TO WALL EXPANSION JOINT
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 10/05/2021	REVISED: \triangle 0	20





NOTE:
2'-0" WIDE PLANT CAST WASH IS ATMI STANDARD.

PD1 DT BEARING ON IT BEAM
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

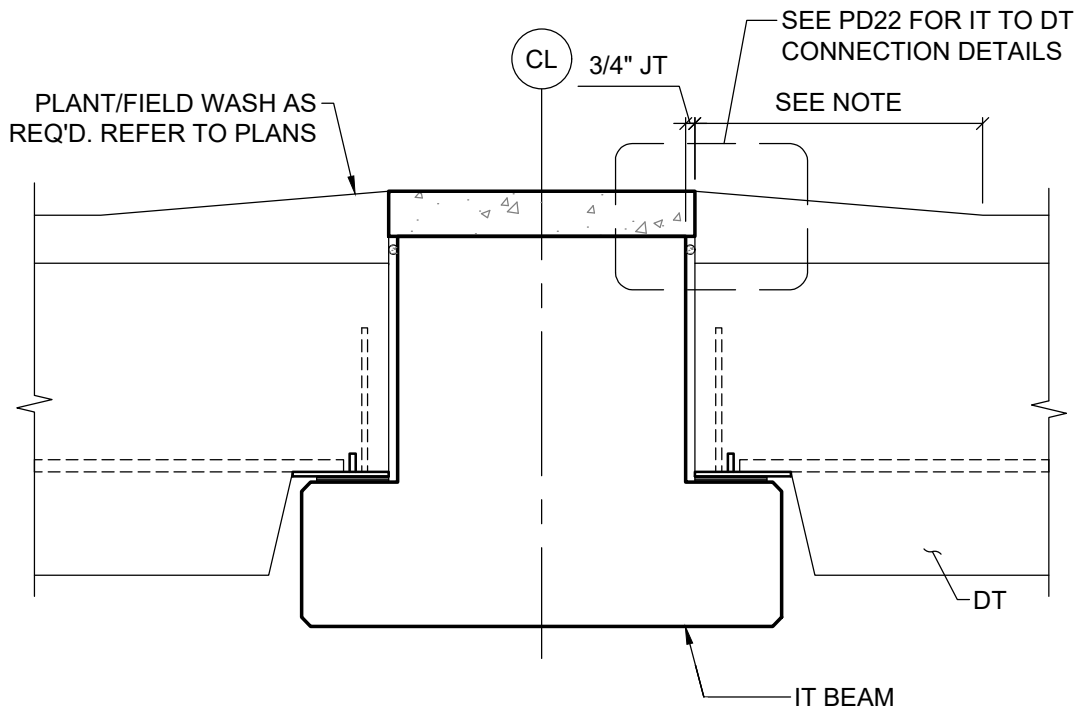
ISSUED:

09/29/2021

REVISED:

0

PD1

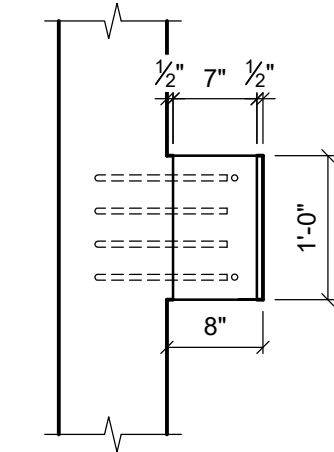
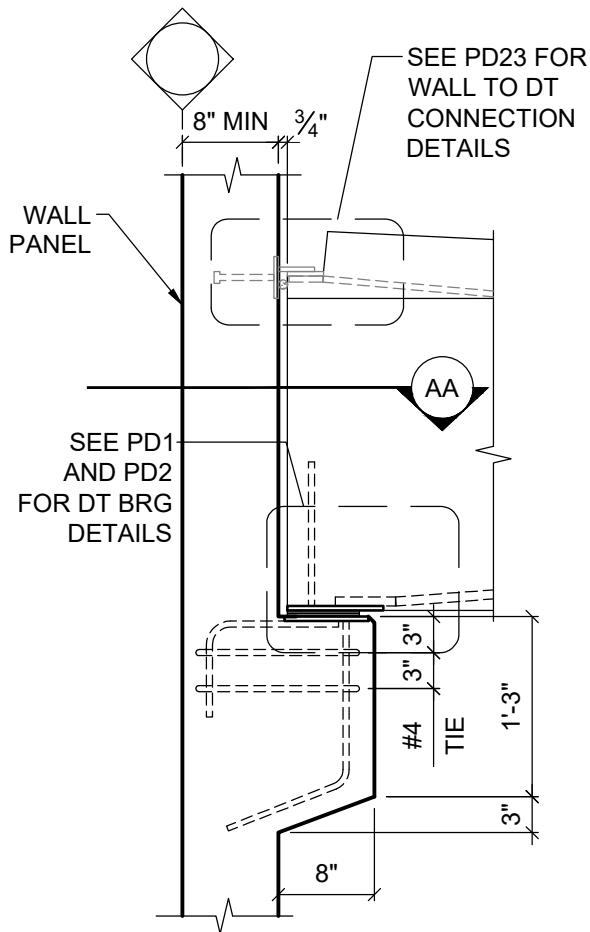


NOTE:
 2'-0" WIDE PLANT CAST WASH IS ATMI
 STANDARD.

PD2A DAPPED DT BEARING ON IT BEAM
 SCALE: 3/4" = 1'-0"

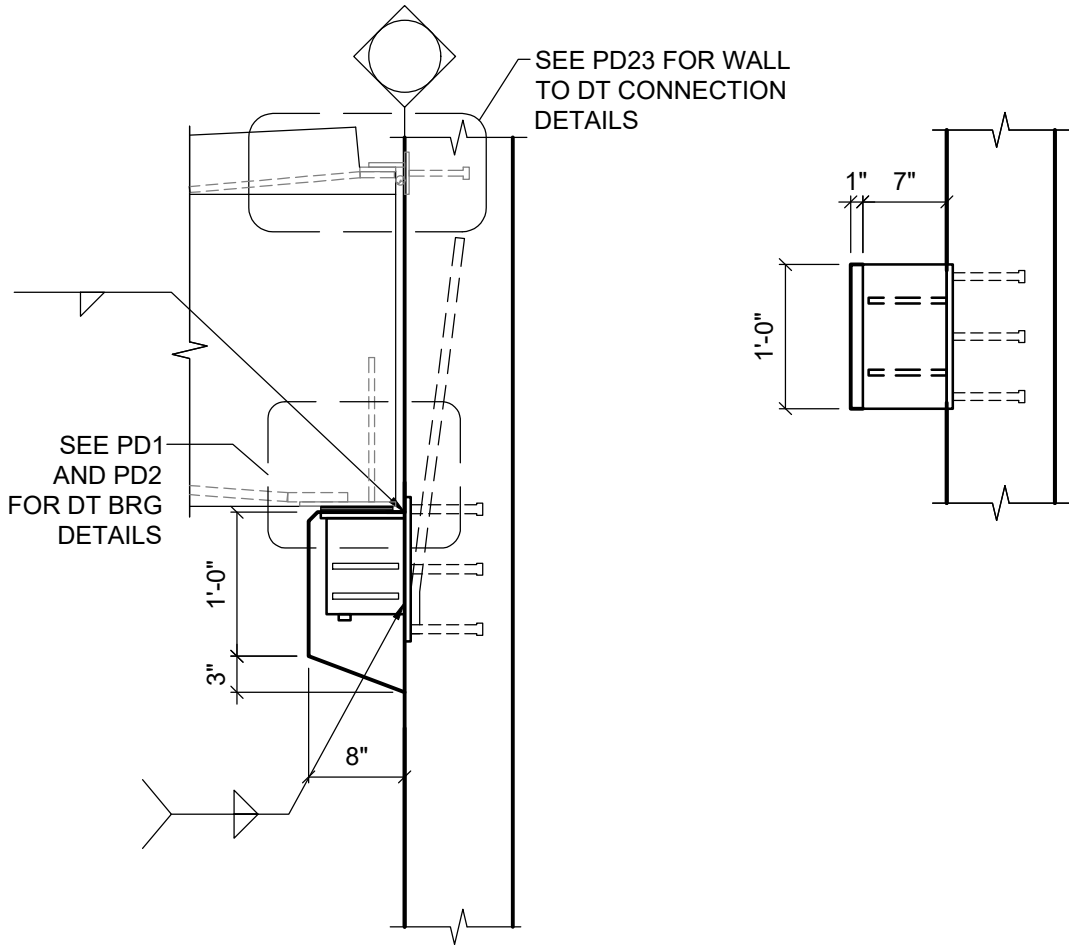


TITLE:	PARKING DECK DETAILS	BY:	ATMI
PROJECT:	ATMI STANDARDS	PD2A	
ISSUED:	09/29/2021		



VIEW AA
(DT STEM & BRG PAD NOT SHOWN FOR CLARITY)

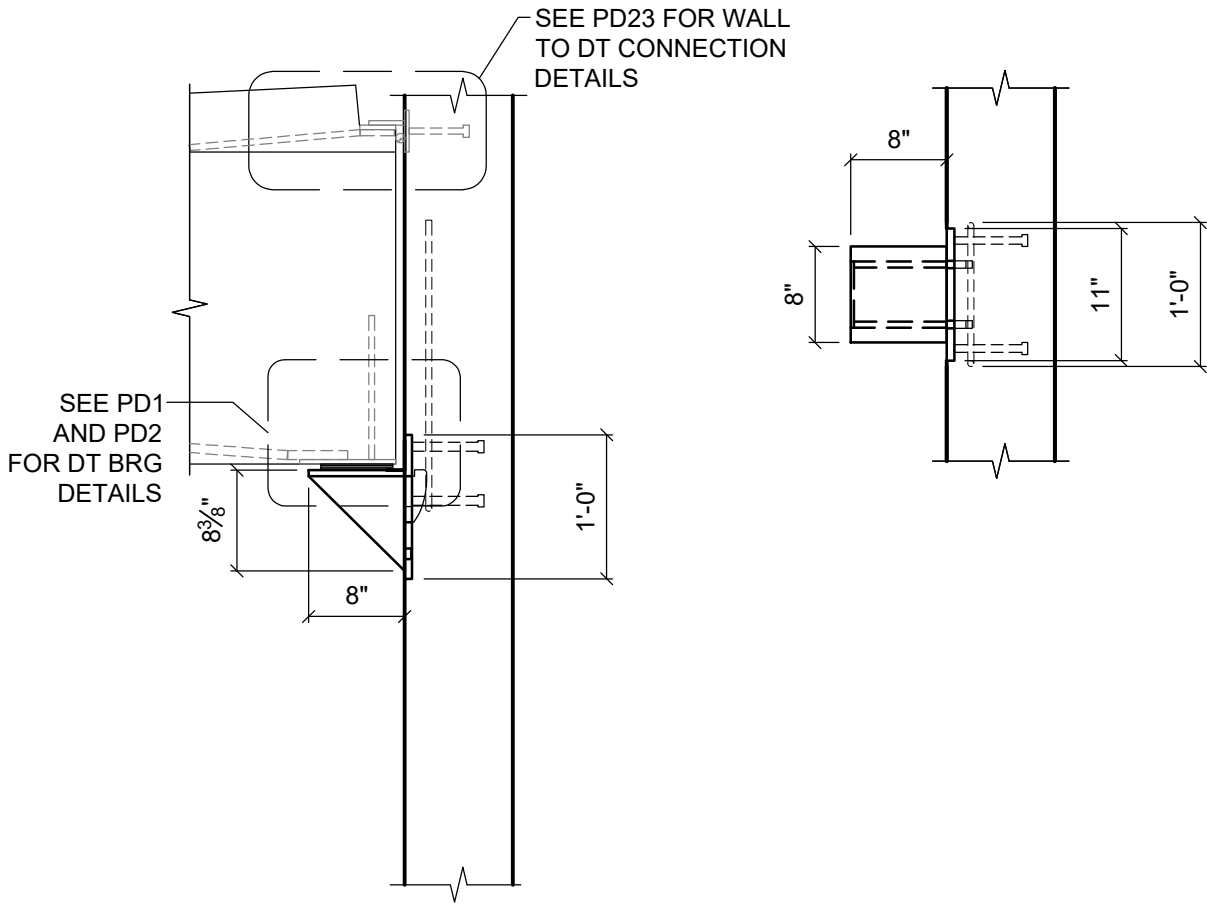
PD3A DT BEARING ON TOP-IN-FORM FACE WALL BUTTON HAUNCH
SCALE: 3/4" = 1'-0"



PD4A
DT BEARING ON FORM FACE BUTTON HAUNCH
 SCALE: 3/4" = 1'-0"



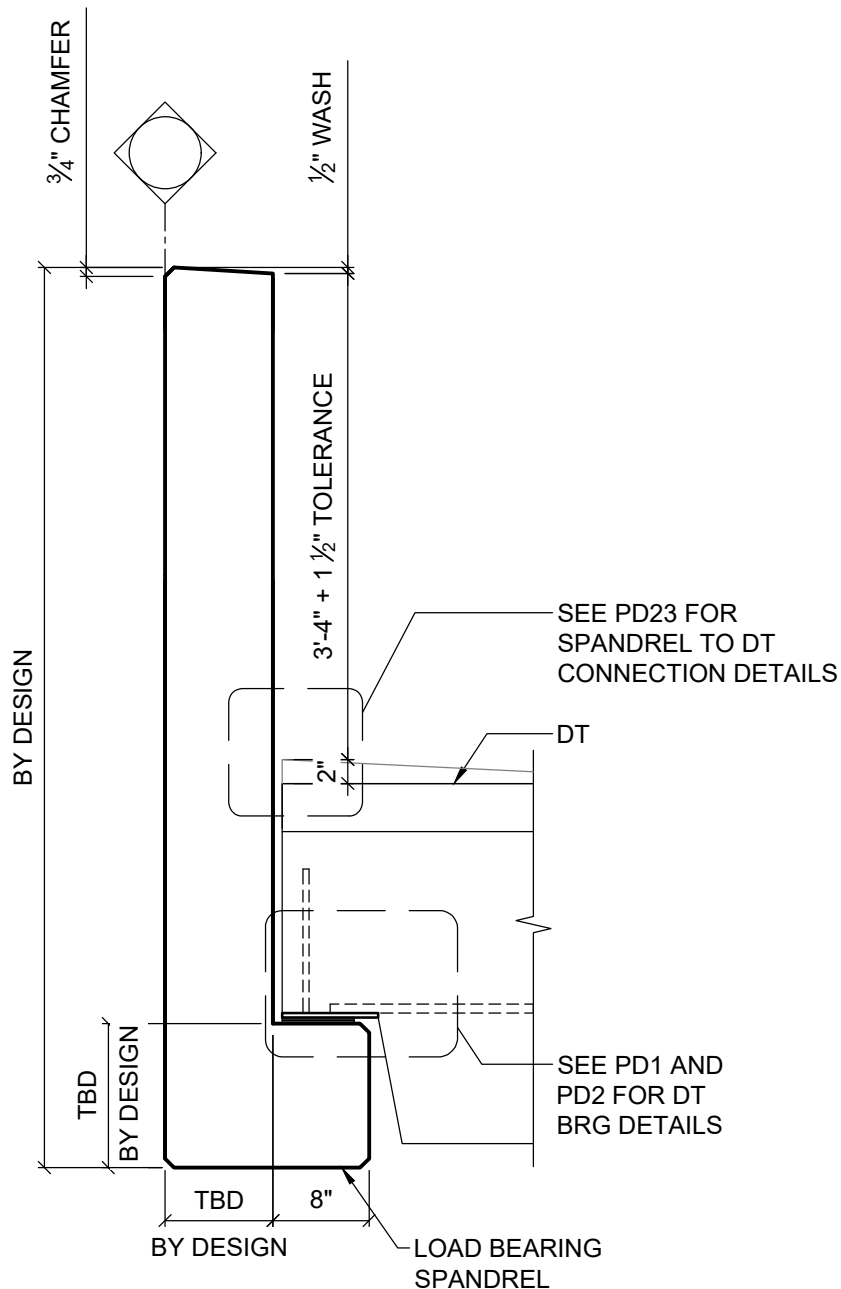
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD4A



PD4C DT BEARING ON FORM FACE BUTTON HAUNCH
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD4C



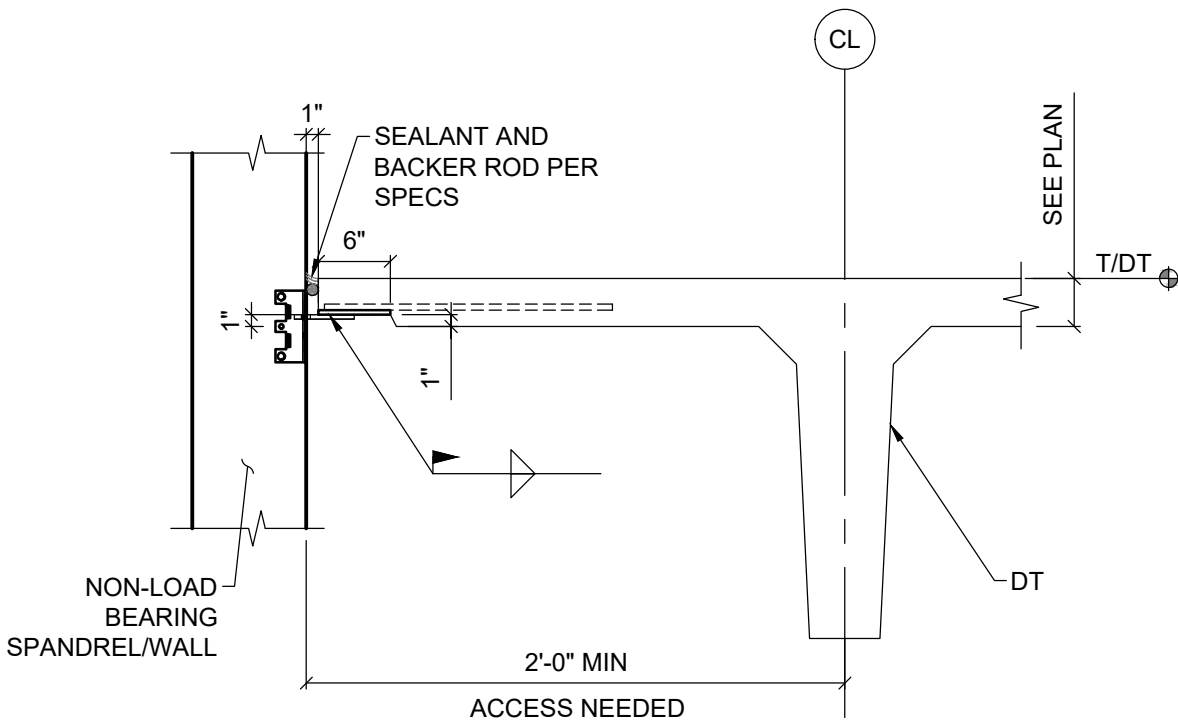
DT BEARING ON CONTINUOUS SPANDREL

PD5

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



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD5
ISSUED: 09/29/2021	REVISED: \triangle 0	



NOTES:

1. SLOTTED INSERT LOCATION TO STEP WITH CAMBER OF DT.
2. PROVIDE 1/2" DRAFT ON ALL SIDES AT 6" RECESS

PRETOPPED DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL

PD6A

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



TITLE: PARKING DECK DETAILS

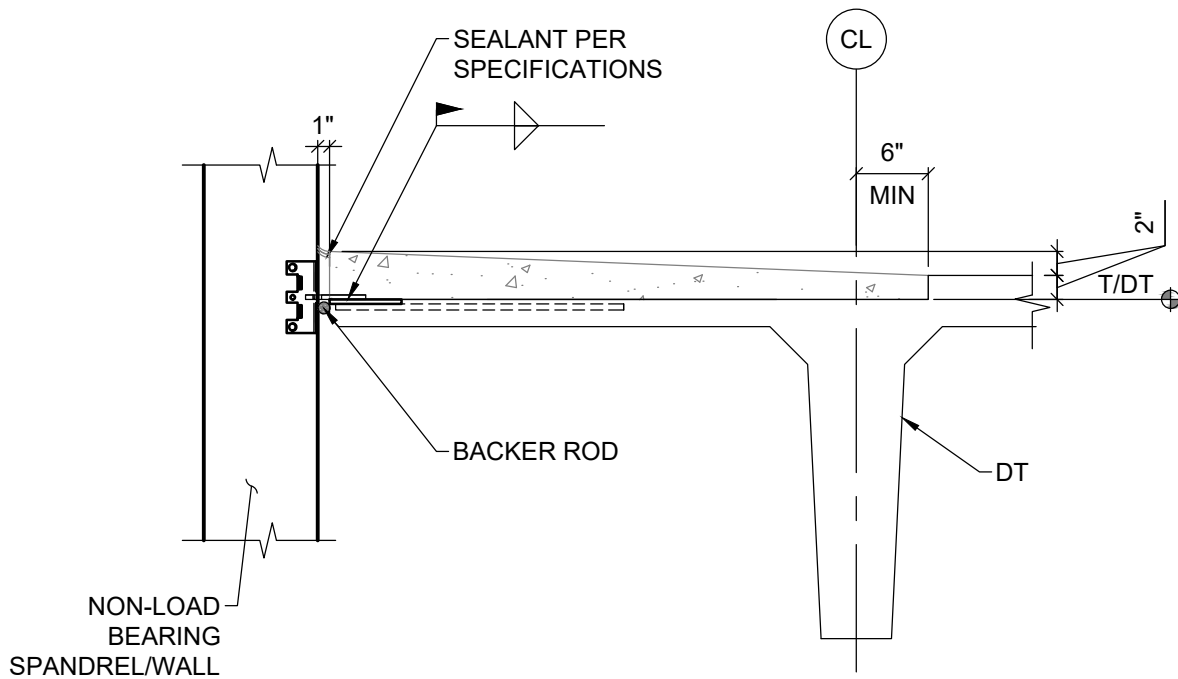
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD6A



NOTES:
 1. SLOTTED INSERT LOCATION TO STEP WITH CAMBER OF DT.

CIP WASH DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL

PD6B

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



ATMI Precast
 Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

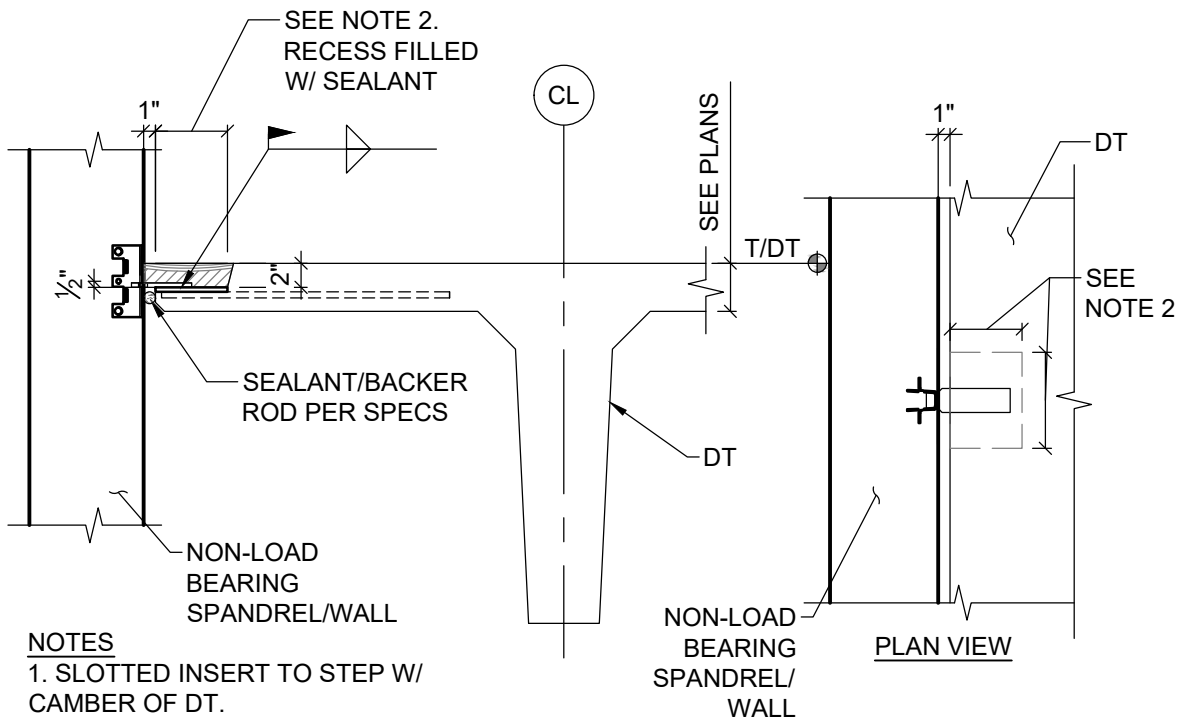
ISSUED:

09/29/2021

REVISED:

0

PD6B



NOTES

1. SLOTTED INSERT TO STEP W/ CAMBER OF DT.
2. WIDTH/LENGTH OF RECESS TO BE DETERMINED BASED ON WELD AND ACCESS NEEDED TO INSTALL STRAP.
3. ORDER STANDARD NOTCH STRAP AND CUT TO LENGTH.
4. PROVIDE 1/2" DRAFT ON ALL SIDES AT RECESS

PRETOPPED DT PARALLEL TO NON-LOAD BEARING SPANDREL/WALL

PD6C

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

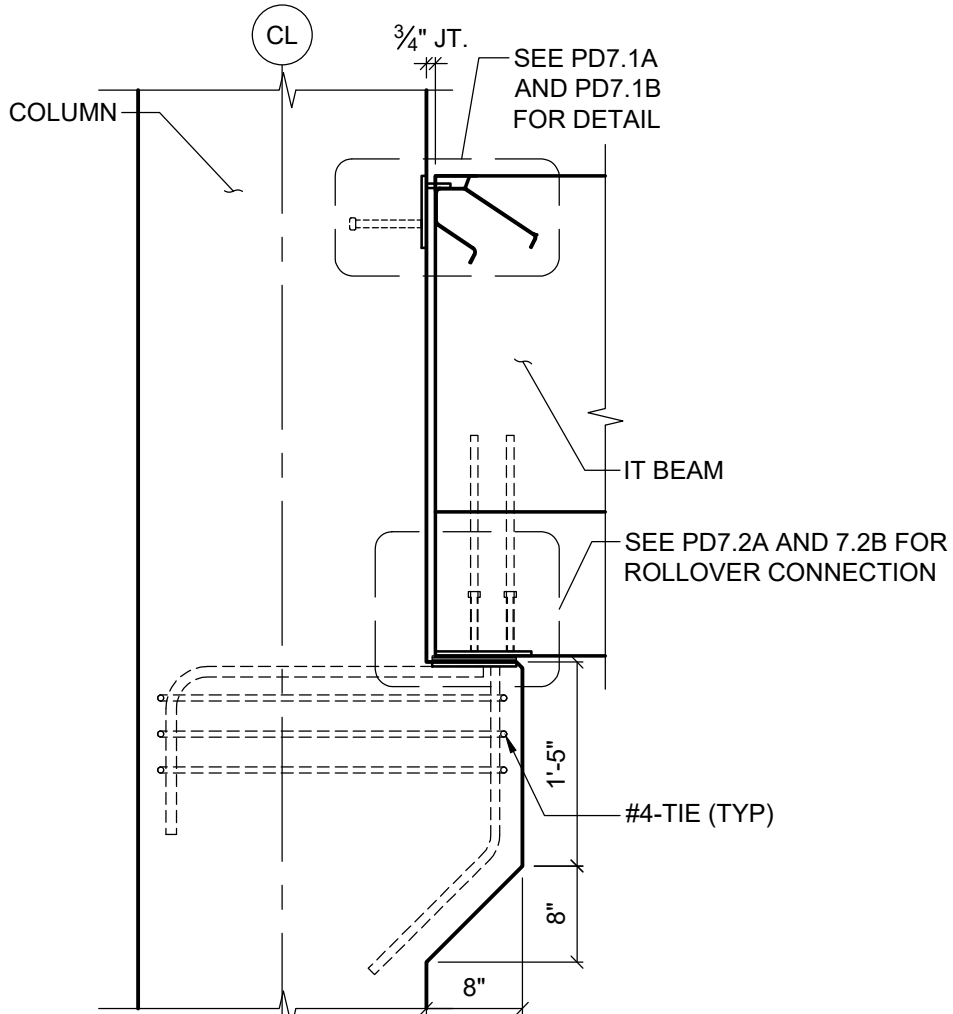
ISSUED:

09/29/2021

REVISED:

0

PD6C



IT BEAM BEARING ON COLUMN (ONE CORBEL)

PD7A SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

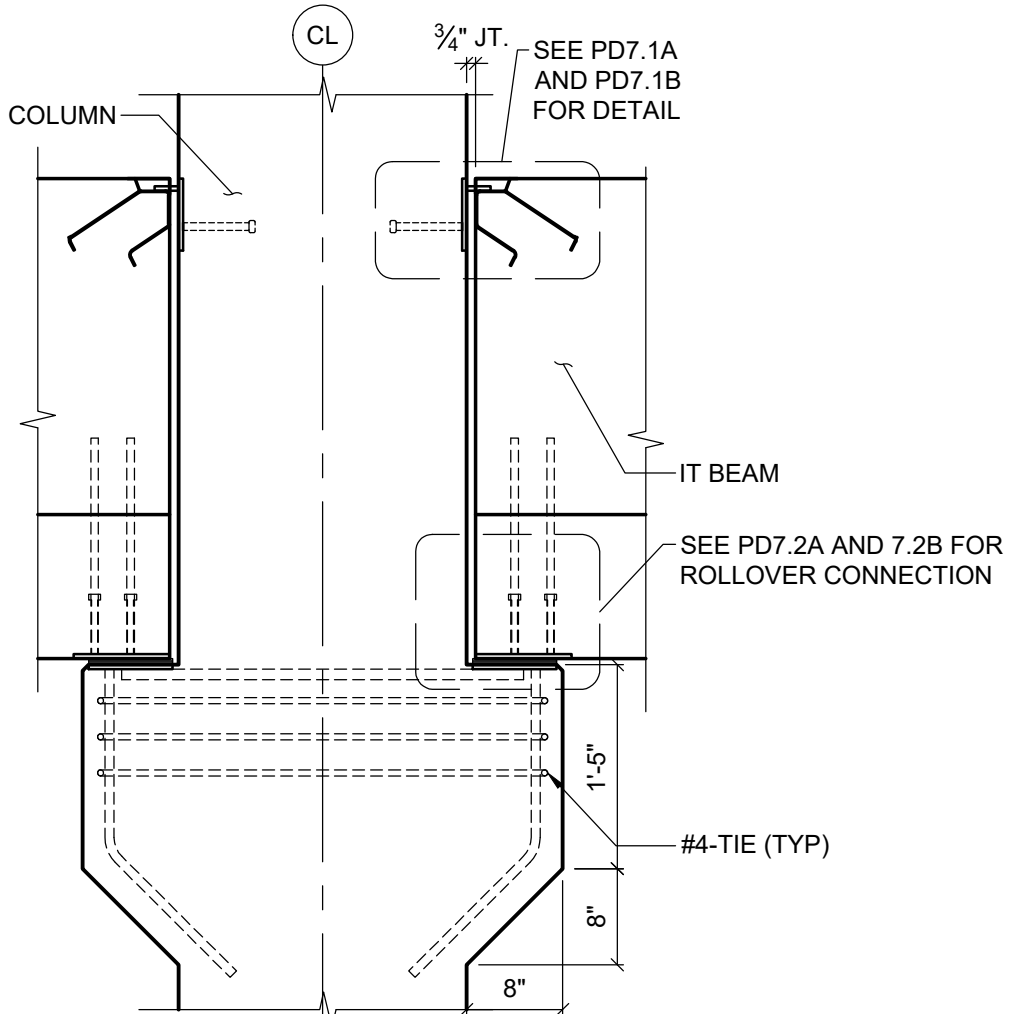
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD7A



PD7C
IT BEAMS BEARING ON COLUMN (TWO CORBELS)
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

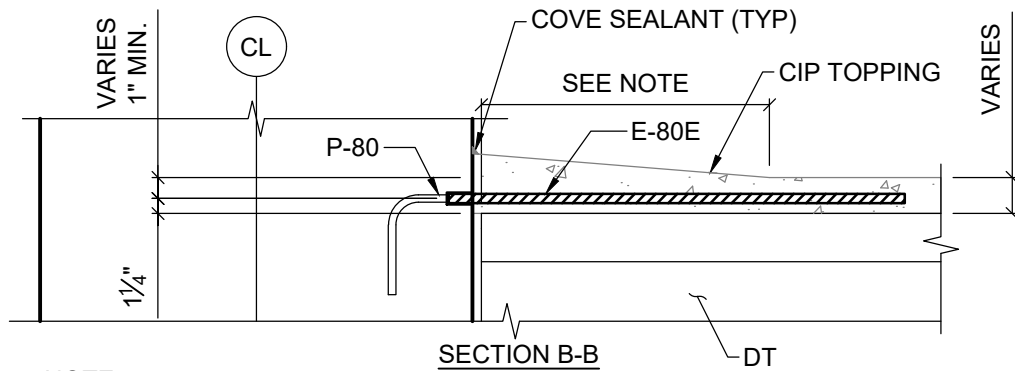
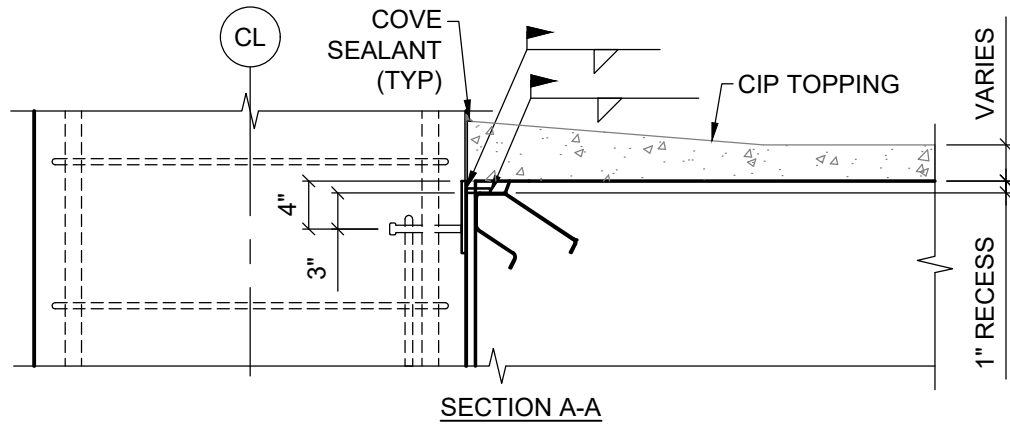
BY: ATMI

PROJECT: ATMI STANDARDS

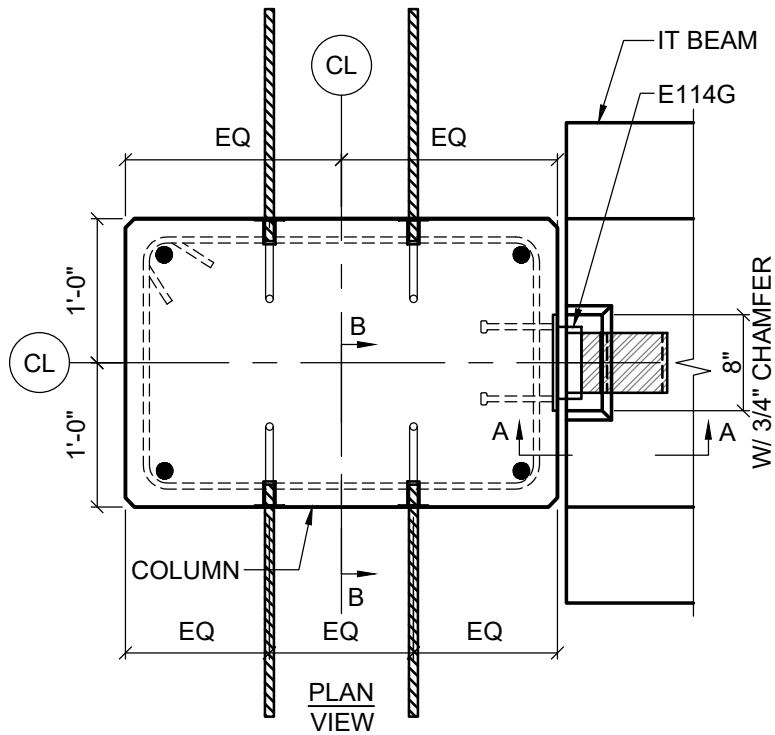
ISSUED: 09/29/2021

REVISED: 0

PD7C



NOTE:
2'-0" WIDE PLANT CAST WASH IS ATMI STANDARD.



7.1A IT BEAM TO COLUMN TOP TIEBACK
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

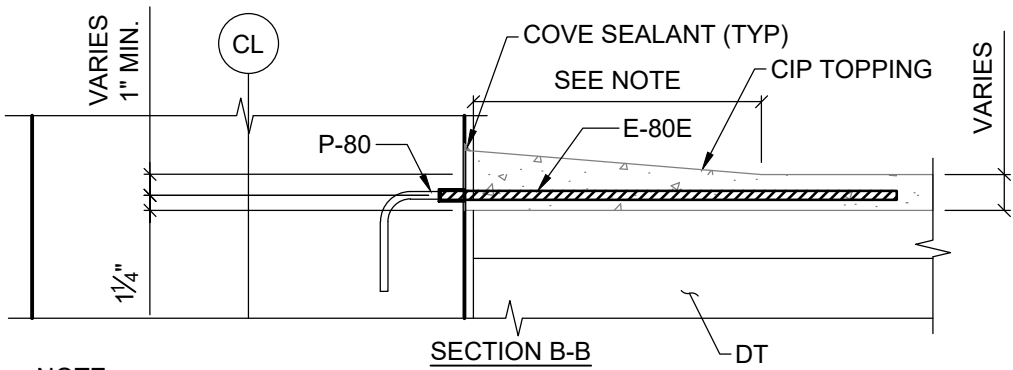
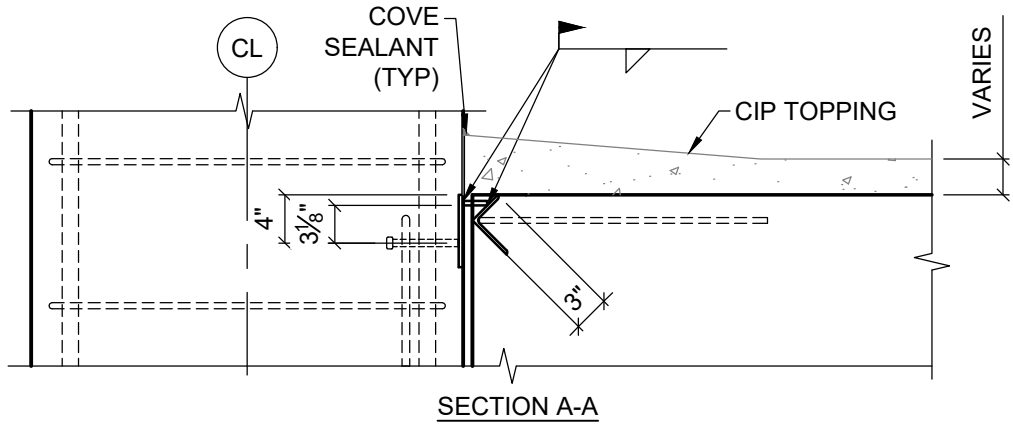
ISSUED:

09/29/2021

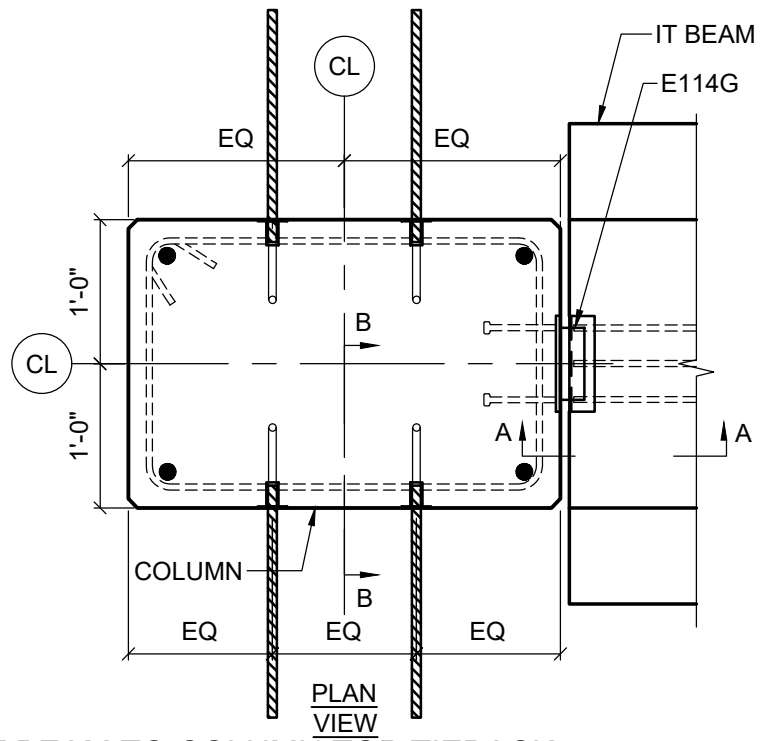
REVISED:

0

PD7.1A



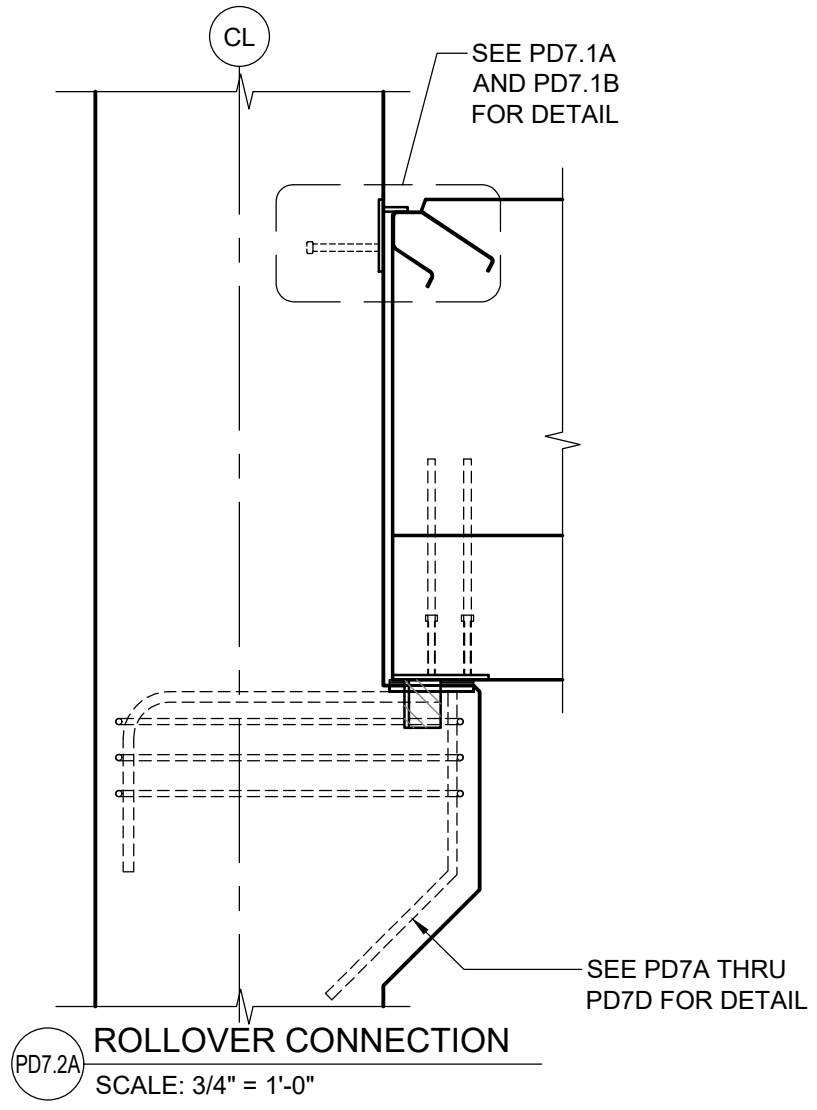
NOTE:
2'-0" WIDE PLANT CAST WASH IS ATMI STANDARD.



7.1B IT BEAM TO COLUMN TOP TIEBACK
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD7.1B
ISSUED: 09/28/2021	



TITLE: PARKING DECK DETAILS

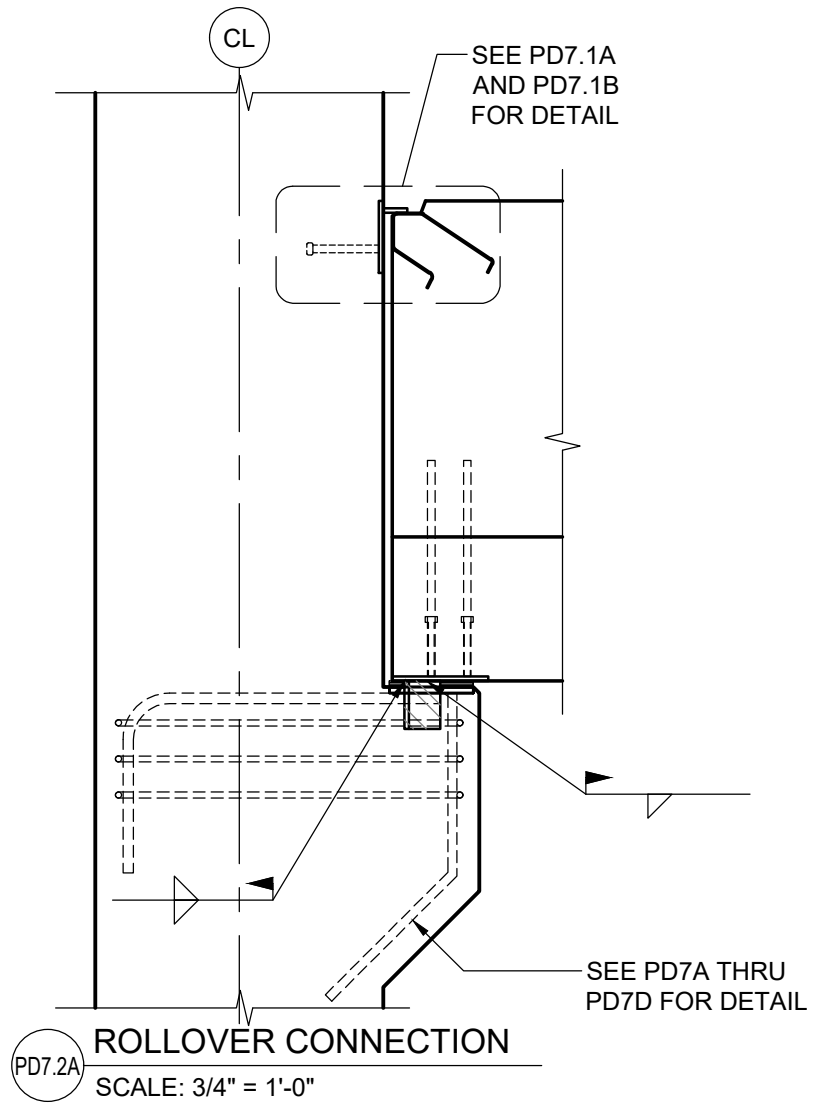
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD7.2A



TITLE: PARKING DECK DETAILS

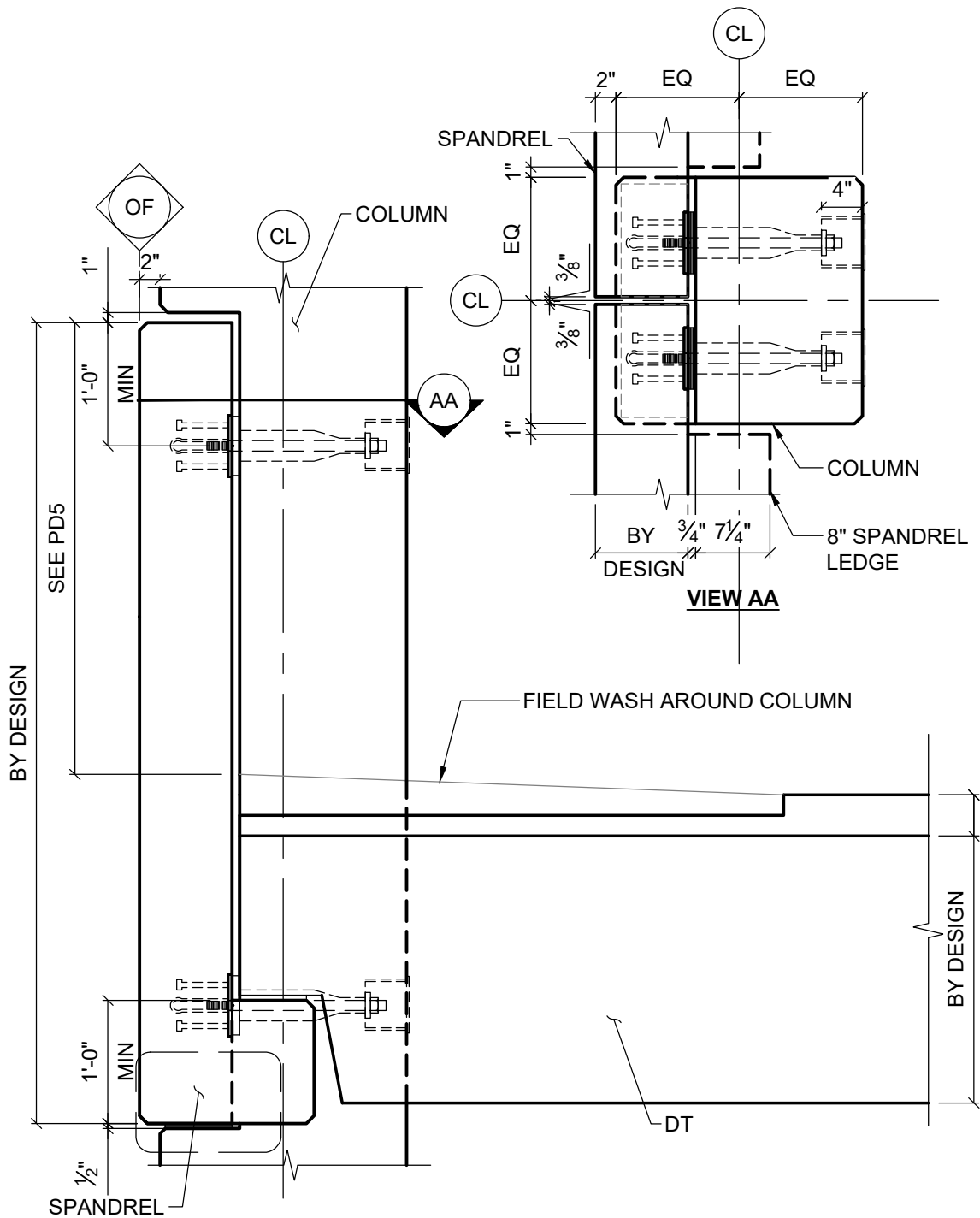
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD7.2B



PD8A
LOAD BEARING SPANDREL COLUMN TIEBACK
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

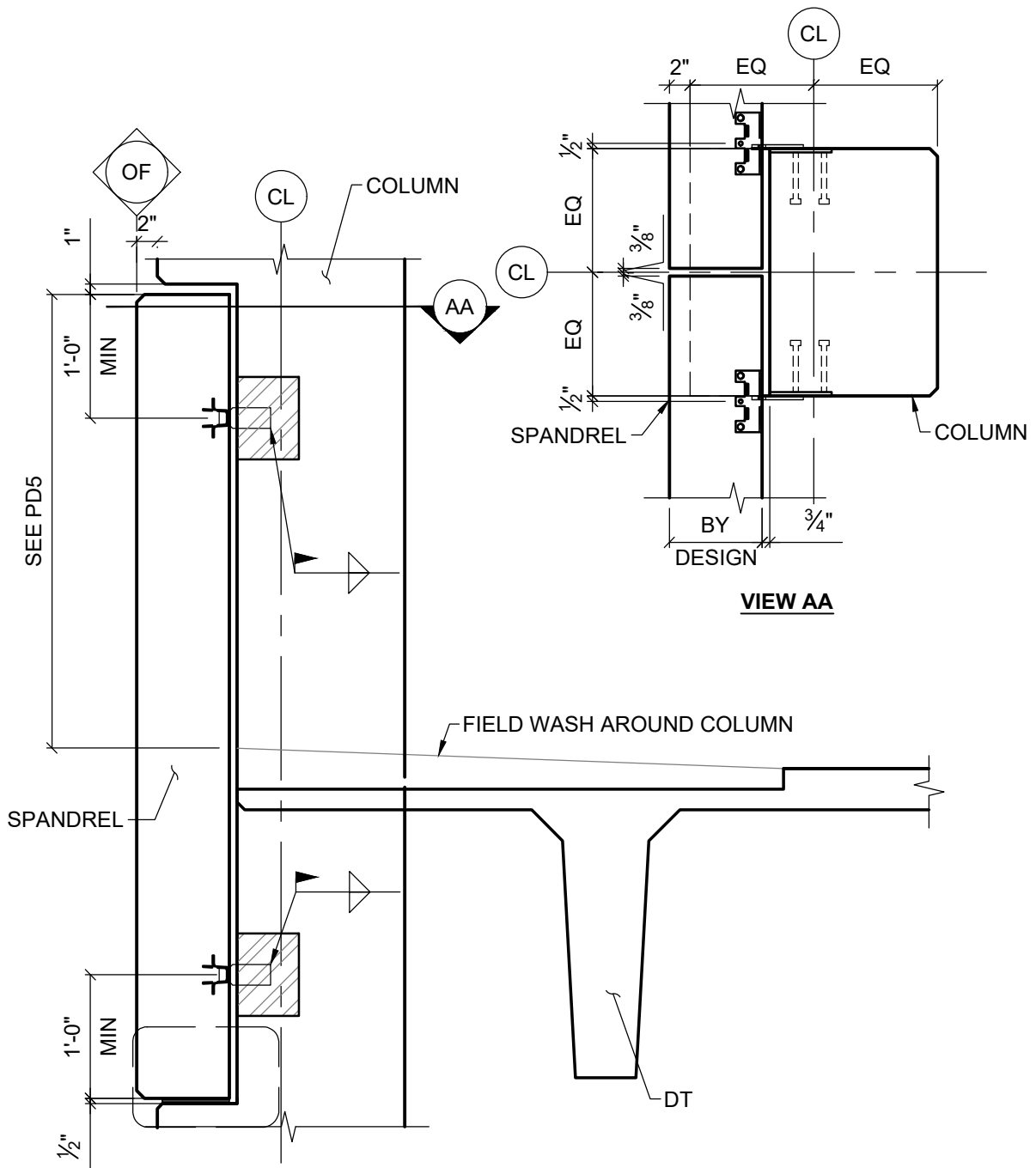
ISSUED:

09/29/2021

REVISED:

0

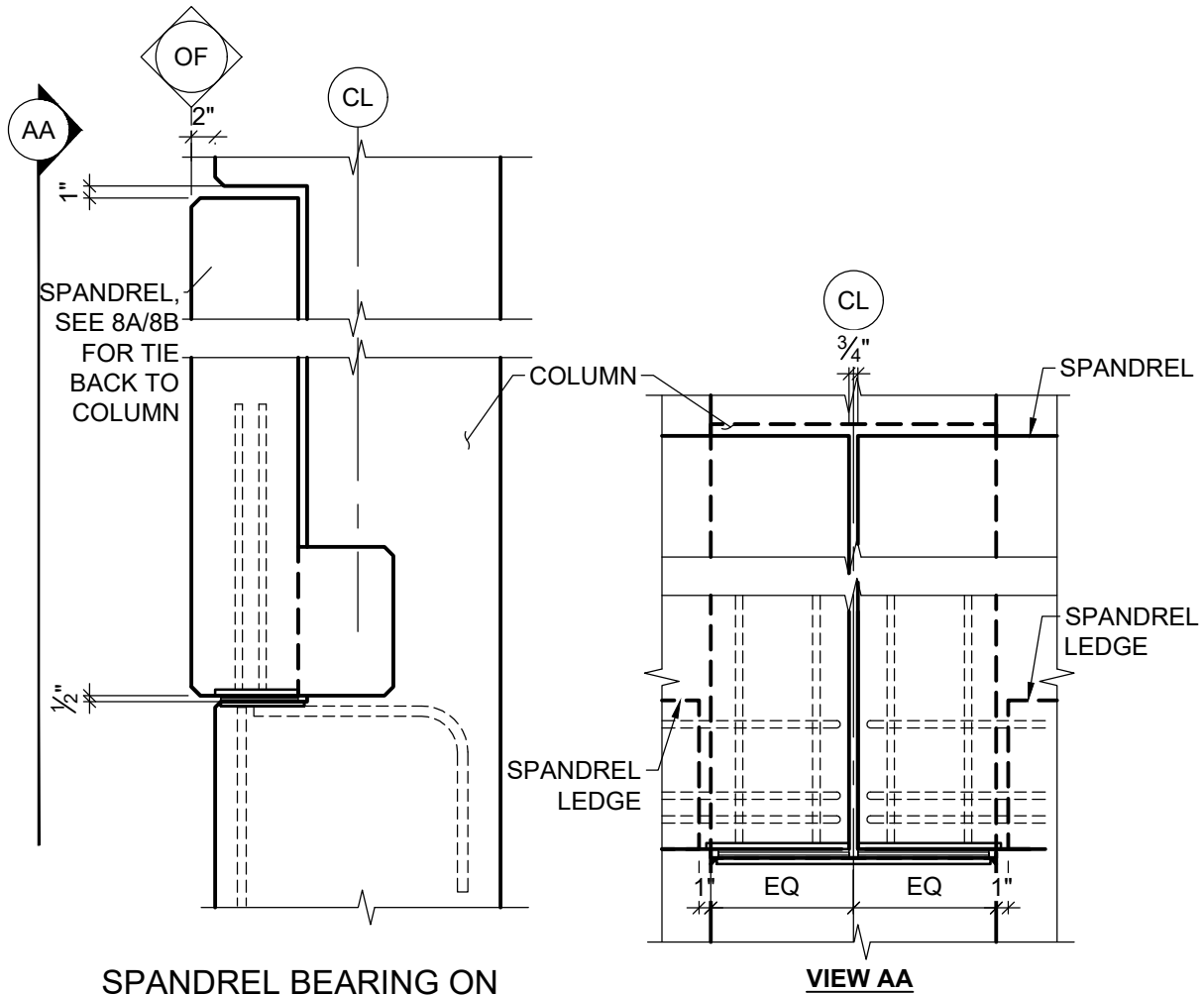
PD8A



PD8B
NON-LOAD BRG SPANDREL COLUMN TIEBACK
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD8B



SPANDREL BEARING ON EXTERIOR COLUMN

PD8.1

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED:

09/29/2021

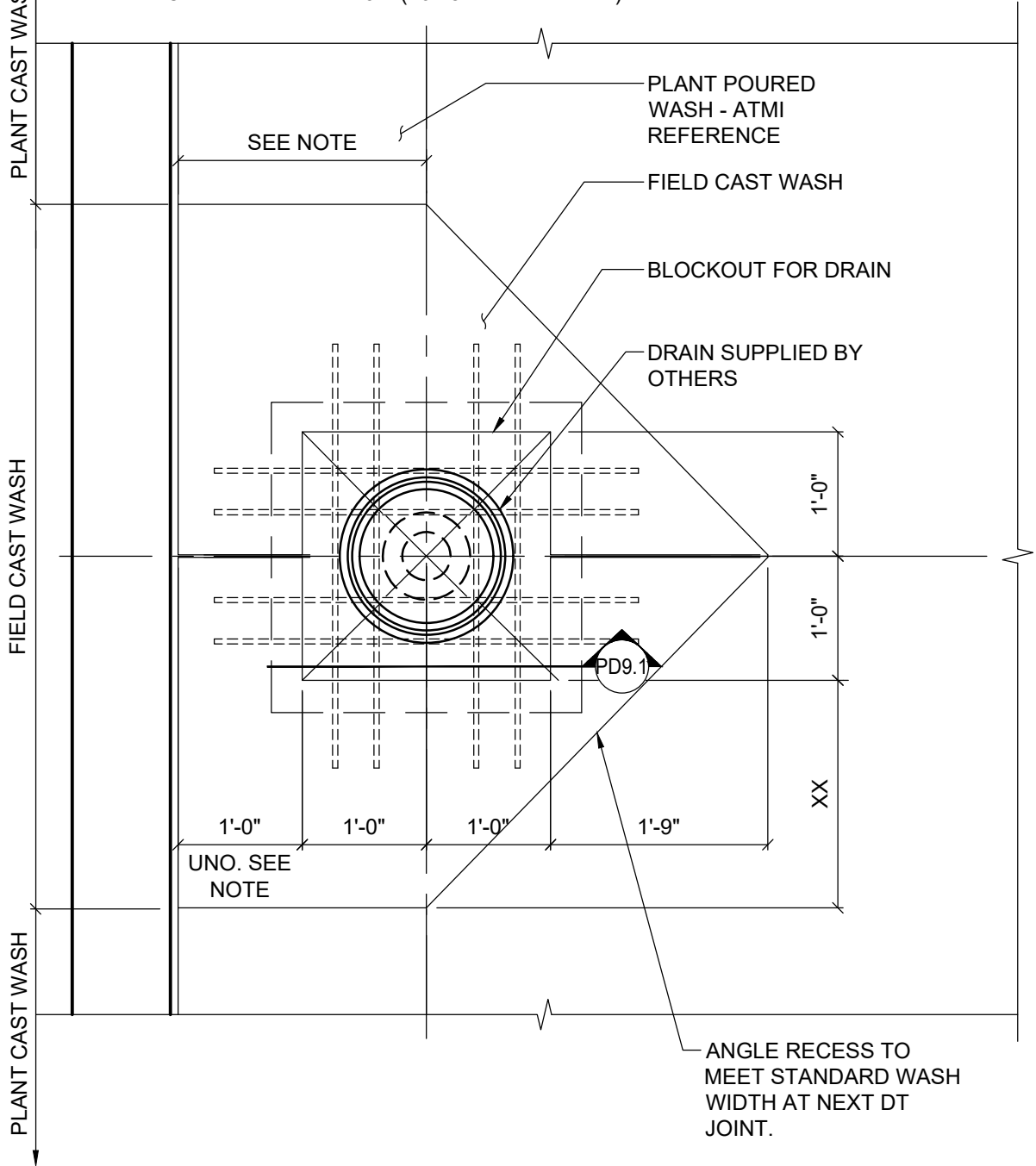
REVISED:

0

PD8.1

NOTE:

- 1. 2'-0" WIDE PLANT CAST WASH IS ATMI STANDARD. DRAIN LOCATION WILL NEED TO BE ADJUSTED FOR OTHER WIDTHS
- 2. DRAIN OPENING AND SIZE MUST BE COORDINATED FOR DRAIN TYPES DIFFERENT FROM DRAIN SHOWN IN DETAIL PD9.1 (16.75" IN DIAMETER).



PD9 DRAIN IN DOUBLE TEE (DT)
SCALE: 3/4" = 1'-0"



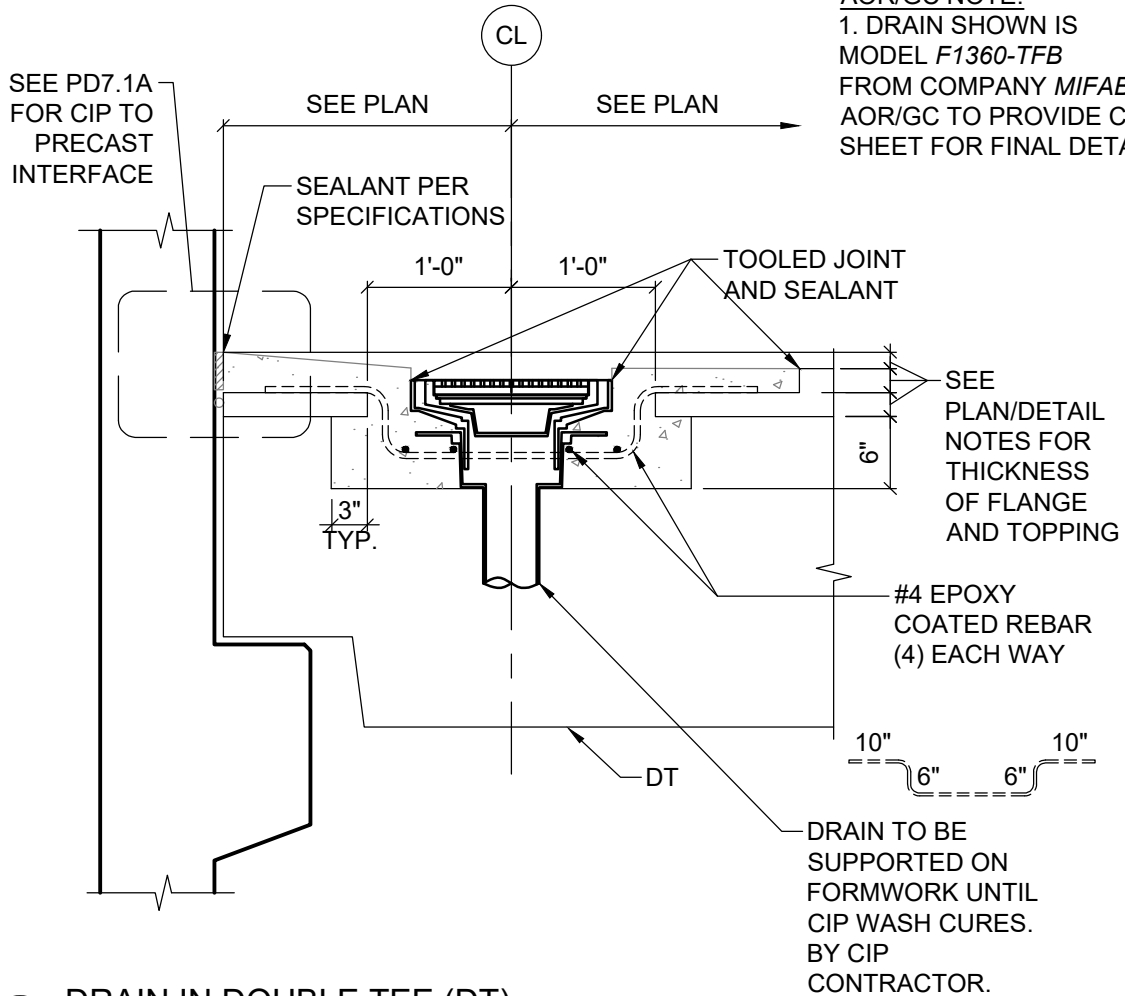
TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD9
ISSUED: 09/29/2021	

TYPICAL SEQUENCE OF WORK:

1. ERECT PRECAST.
2. PLUMBER SETS DRAINS (ELEVATIONS TO BE VERIFIED).
3. FORM WORK INSTALLED AND SHORED BACK TO STRUCTURE.
4. REINFORCEMENT INSTALLED.
5. CIP CONCRETE POURED AND CURED.
6. FORM WORK REMOVED.

USER GUIDE:
 1 1/2% slope typical.
 1% min slope.

AOR/GC NOTE:
 1. DRAIN SHOWN IS
 MODEL F1360-TFB
 FROM COMPANY MIFAB
 AOR/GC TO PROVIDE CUT
 SHEET FOR FINAL DETAIL



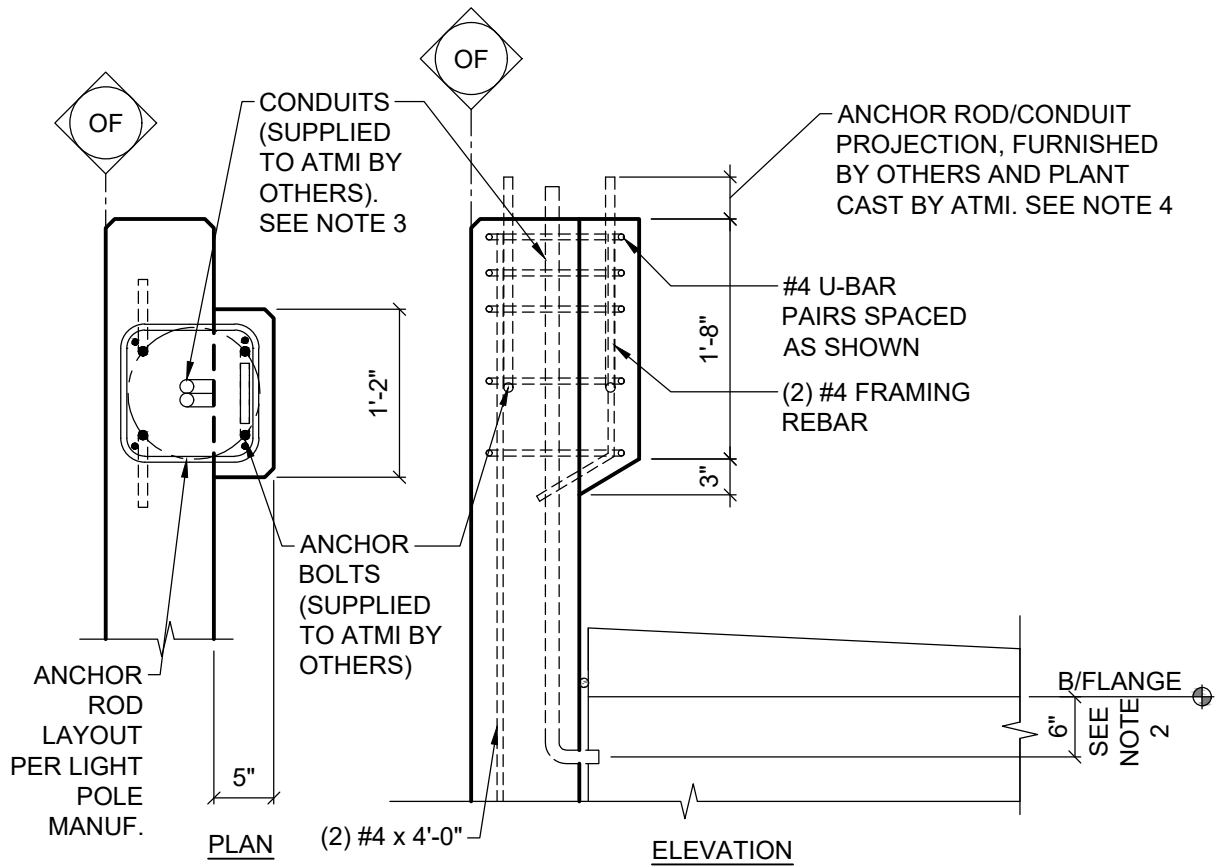
DRAIN IN DOUBLE TEE (DT)
 PD9.1
 SCALE: 3/4" = 1'-0"

NOTE:

1. 2'-0" WIDE PLANT CAST WASH IS ATMI STANDARD. DRAIN LOCATION WILL NEED TO BE ADJUSTED FOR OTHER WIDTHS
2. DRAIN OPENING AND SIZE MUST BE COORDINATED FOR DRAIN TYPES DIFFERENT FROM DRAIN SHOWN IN DETAIL (16.75" IN DIAMETER).



TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD9.1
ISSUED: 09/29/2021	



**LIGHT POLE BASE
DETAIL @ WALL WITH CORBEL**

PD10A

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

NOTES:

1. BASIS OF DESIGN: "GARDCO RA4" LIGHT POLE.
2. MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.
3. SIZE AND QUANTITY OF CONDUITS MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.
4. TYPICALLY 3 1/2". MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

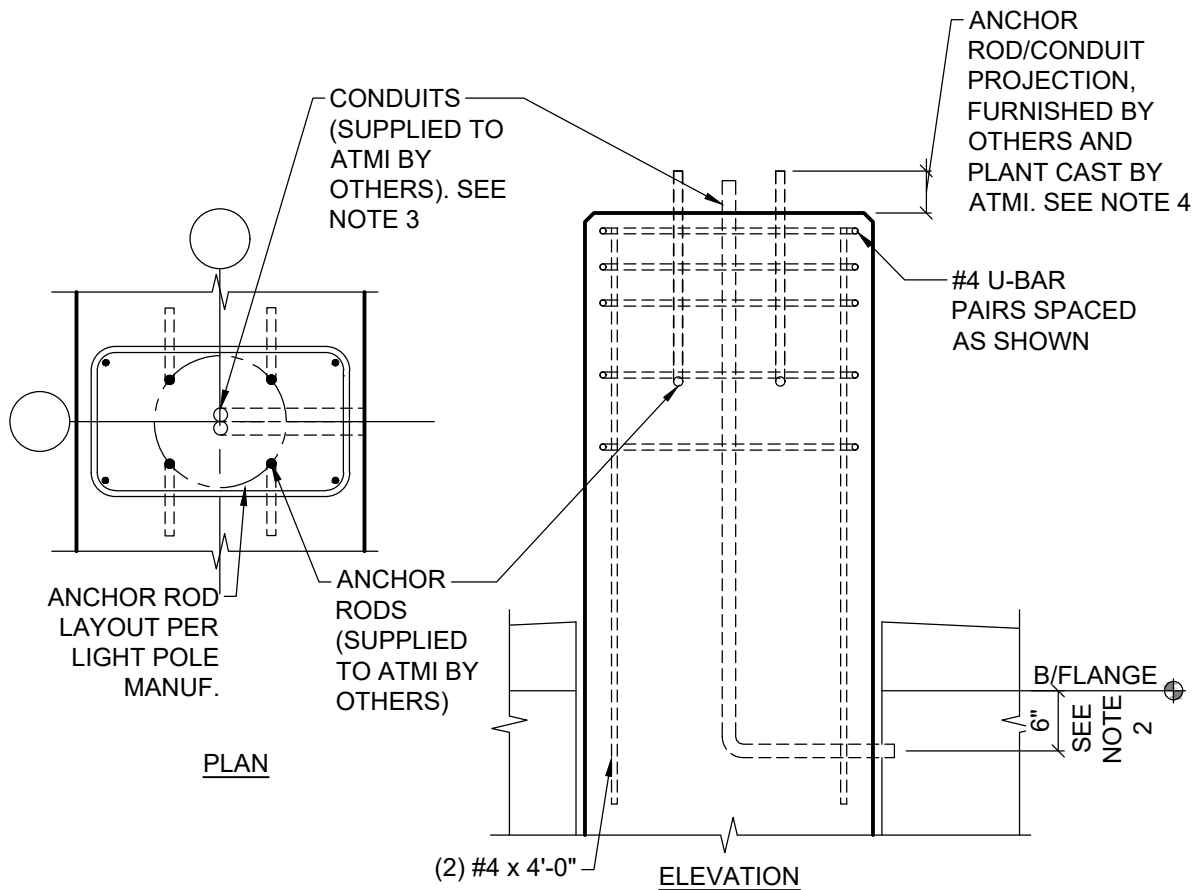
ISSUED:

09/29/2021

REVISED:

0

PD10A



**LIGHT POLE BASE
DETAIL @ WALL/COLUMN WITHOUT CORBEL**

PD10B

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

NOTES:

1. BASIS OF DESIGN: "GARDCO RA4" LIGHT POLE.
2. MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.
3. SIZE AND QUANTITY OF CONDUITS MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.
4. TYPICALLY 3 1/2". MUST BE VERIFIED WITH THE ELECTRICIAN & LIGHT POLE MANUFACTURER.



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

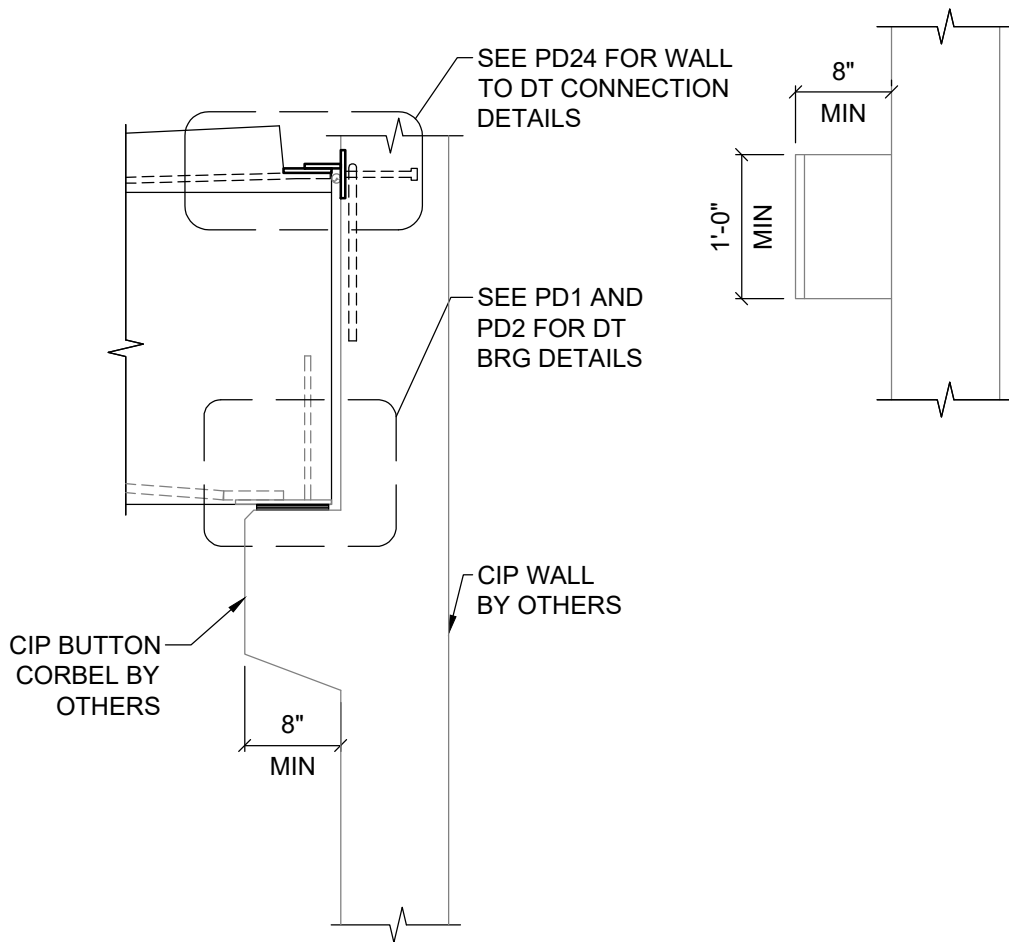
ISSUED:

09/29/2021

REVISED:

0

PD10B



PD11 DT BEARING ON CIP WALL BUTTON HAUNCH
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

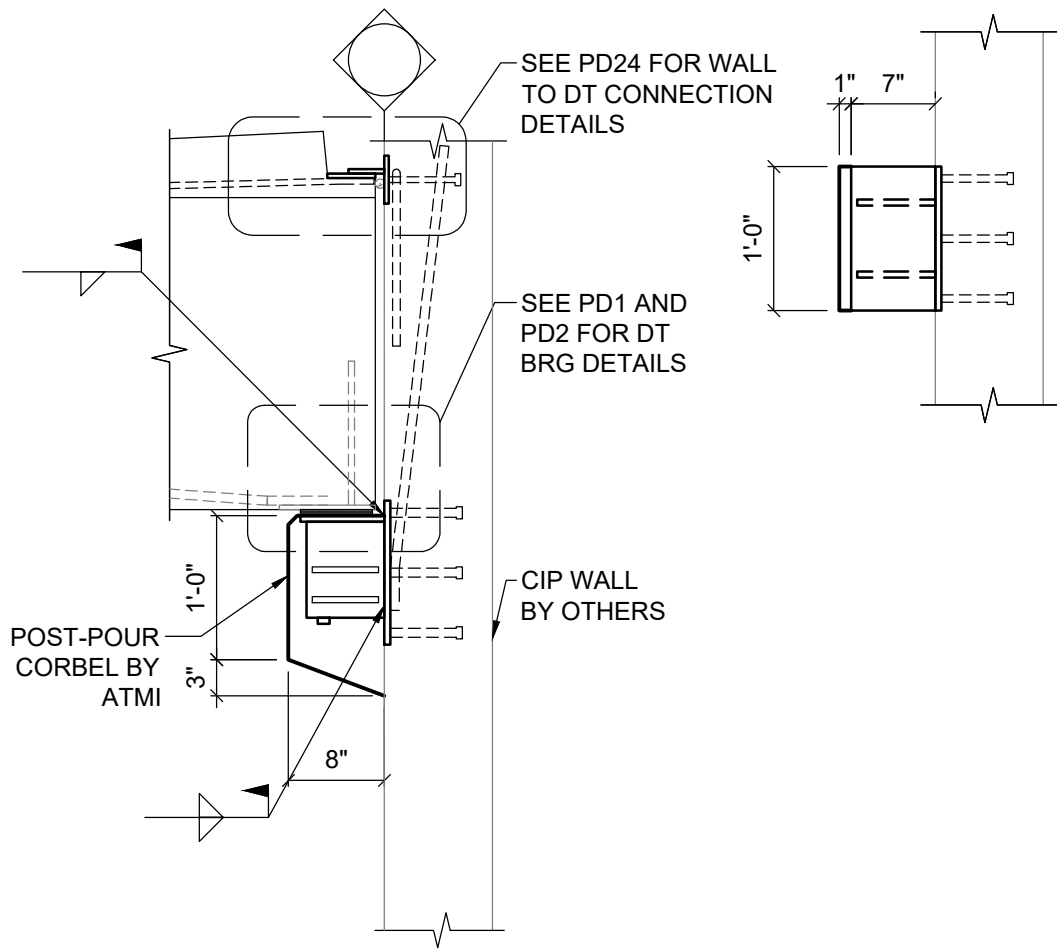
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD11



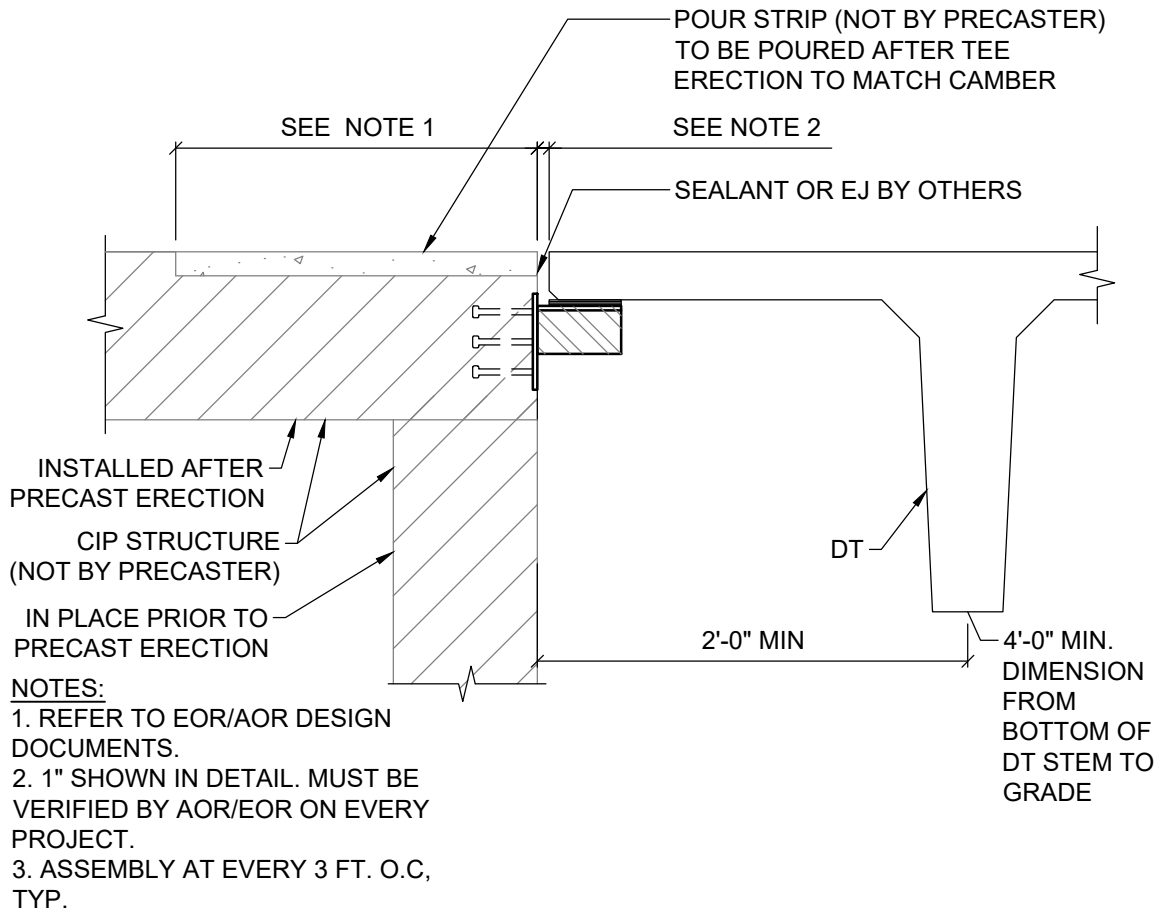
PD11A
DT BEARING ON CIP WALL BUTTON HAUNCH
 SCALE: 3/4" = 1'-0"

- NOTES:**
1. EMBED PLATE FURNISHED BY ATMI AND INSTALLED BY OTHERS.
 2. WELD ON HAUNCH FURNISHED BY ATMI AND INSTALLED BY PRECAST ERECTOR.
 3. CIP FIREPROOFING INSTALLED BY OTHERS



TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	
ISSUED: 09/29/2021	REVISED: 0

PD11A



PD12A DOUBLE TEE (DT) PARALLEL TO CAST-IN-PLACE (CIP) WALL
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

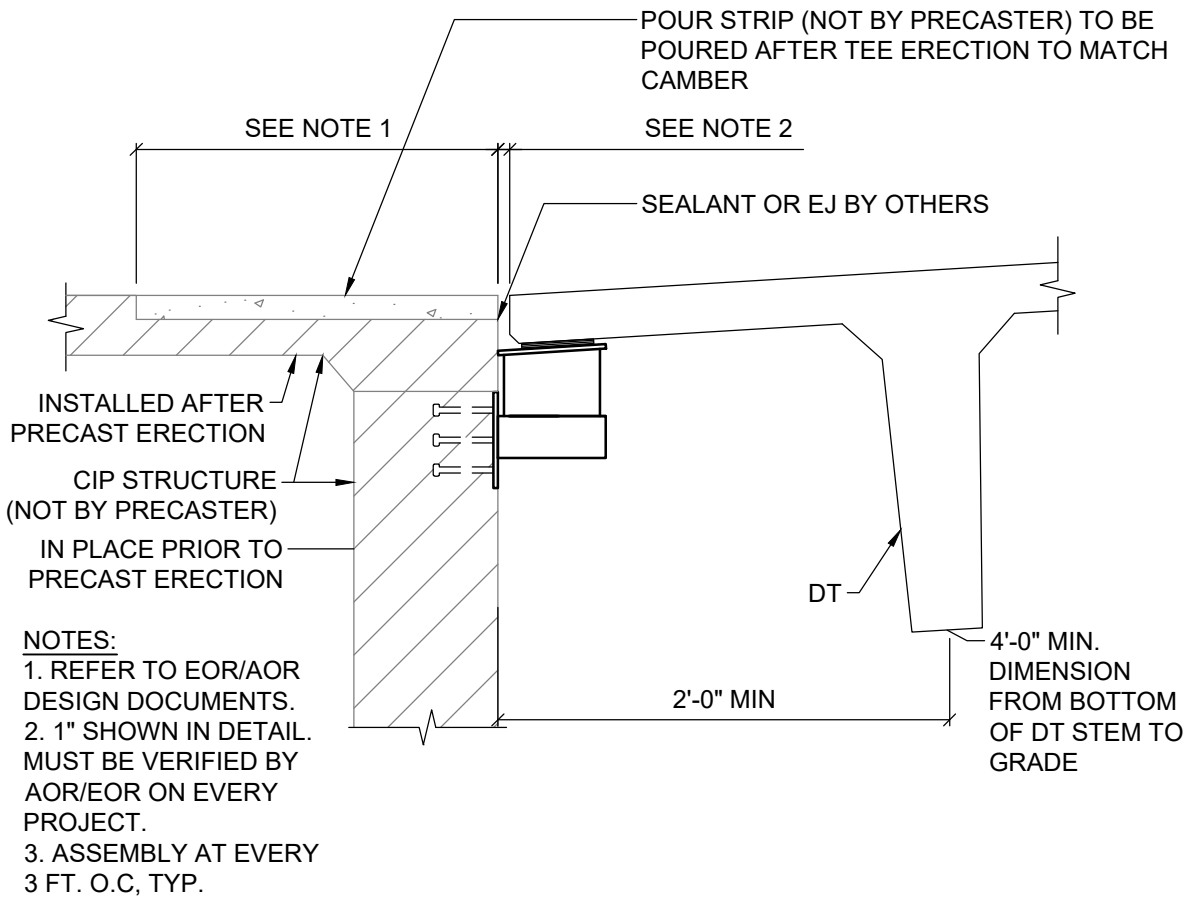
BY: ATMI

PROJECT: ATMI STANDARDS

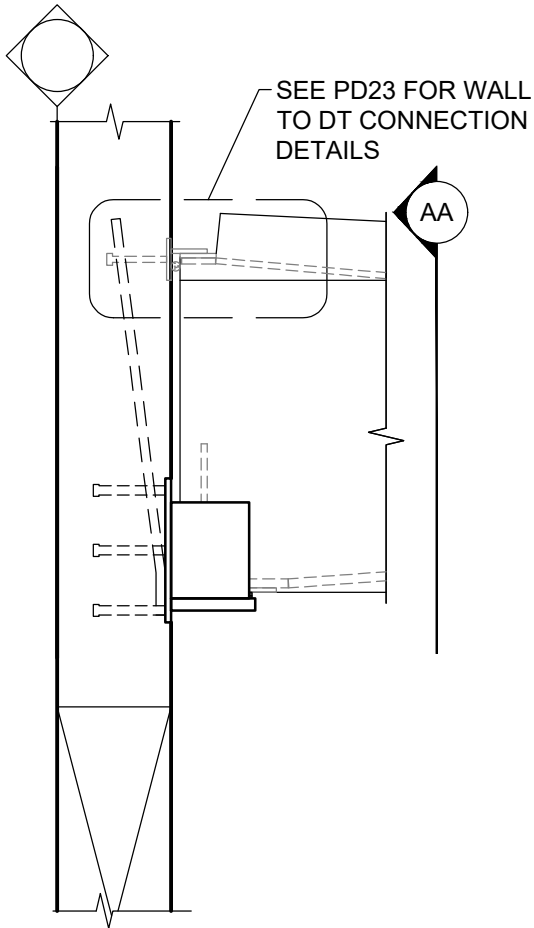
ISSUED: 09/29/2021

REVISED: 0

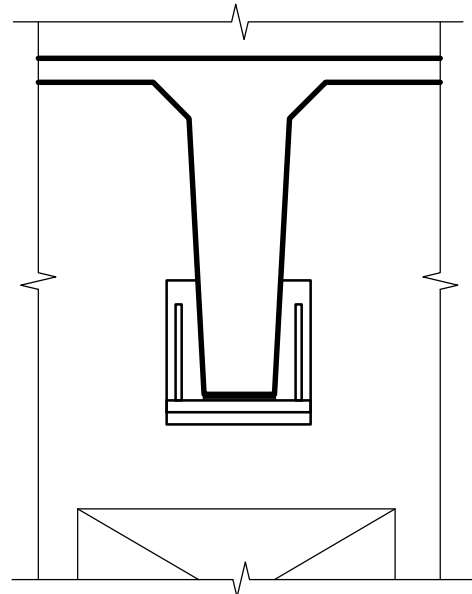
PD12A



PD12B DOUBLE TEE (DT) PARALLEL TO CAST-IN-PLACE (CIP) WALL
SCALE: 3/4" = 1'-0"



NOTES:
FIREPROOFING, IF REQUIRED, BY OTHERS.



VIEW AA

PD13A

DT SADDLE BEARING ON WALL

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



TITLE: PARKING DECK DETAILS

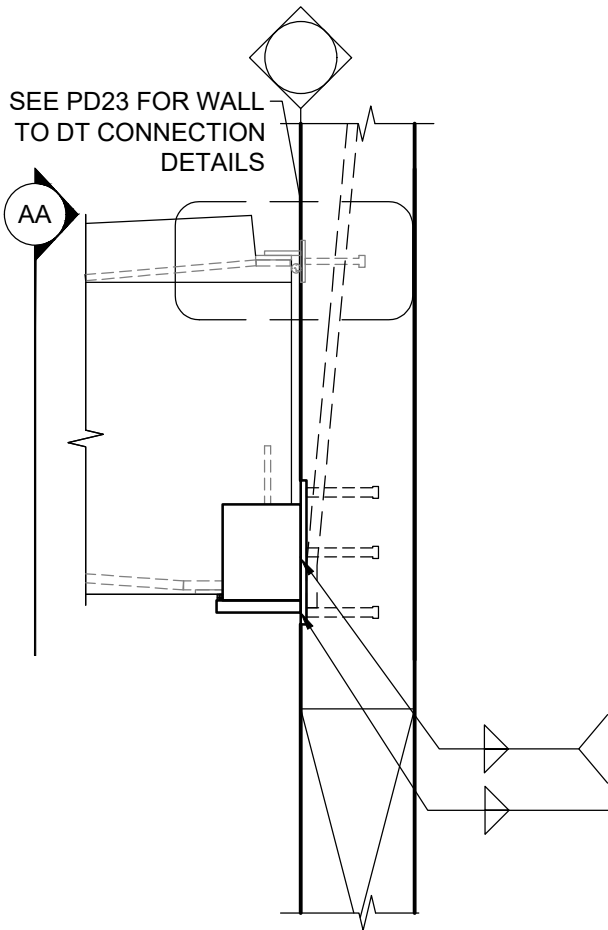
BY: ATMI

PROJECT: ATMI STANDARDS

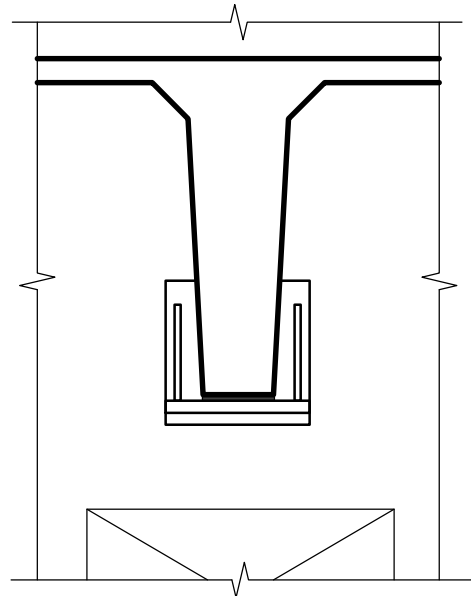
ISSUED: 09/29/2021

REVISED: 0

PD13A



NOTES:
FIREPROOFING, IF REQUIRED, BY OTHERS.



VIEW AA

PD13C DT SADDLE BEARING ON WALL
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

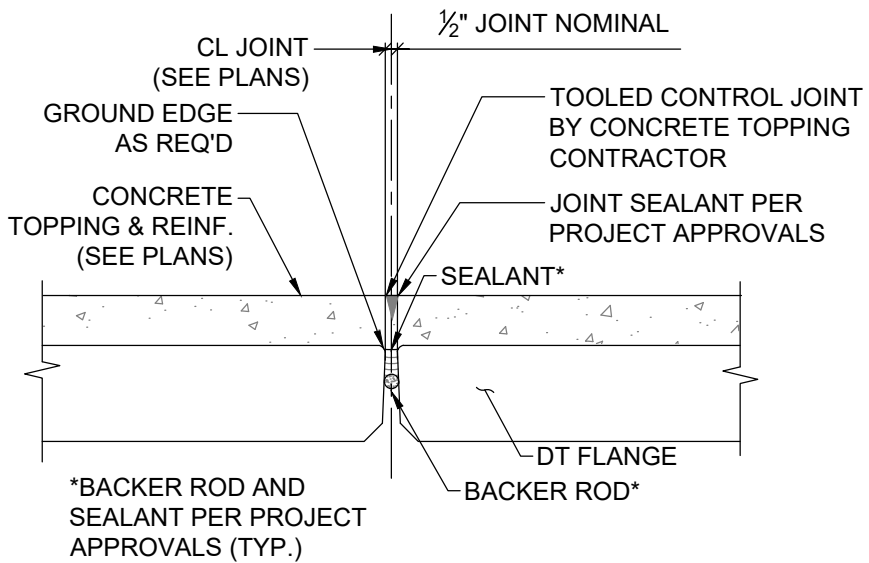
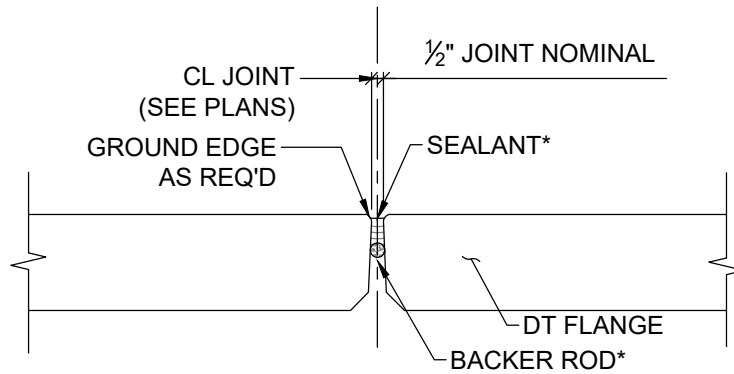
BY: ATMI

PROJECT: ATMI STANDARDS

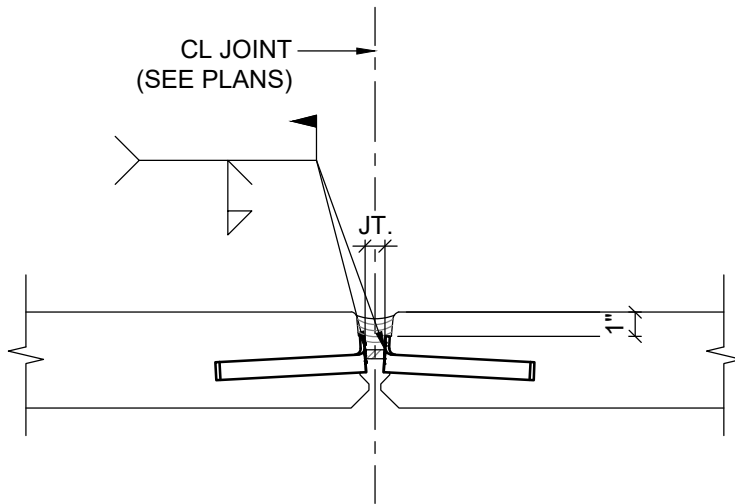
ISSUED: 09/29/2021

REVISED: 0

PD13C



PD14
TYPICAL HORIZONTAL JOINT DETAIL
 SCALE: 1 1/2" = 1'-0"



DT FLANGE TO FLANGE INTERFACE
(FLANGE THICKNESS $\geq 3"$)

PD14A

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

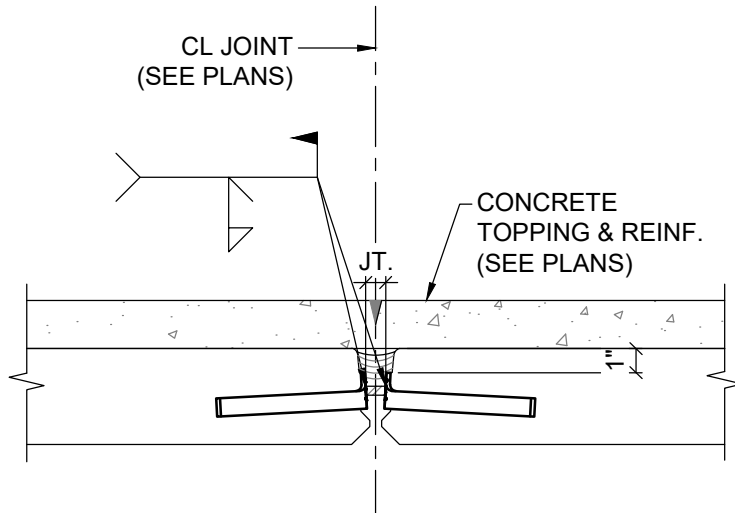
ISSUED:

09/29/2021

REVISED:

0

PD14A



DT FLANGE TO FLANGE INTERFACE
(FLANGE THICKNESS \geq 3") W/ TOPPING

PD14B

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

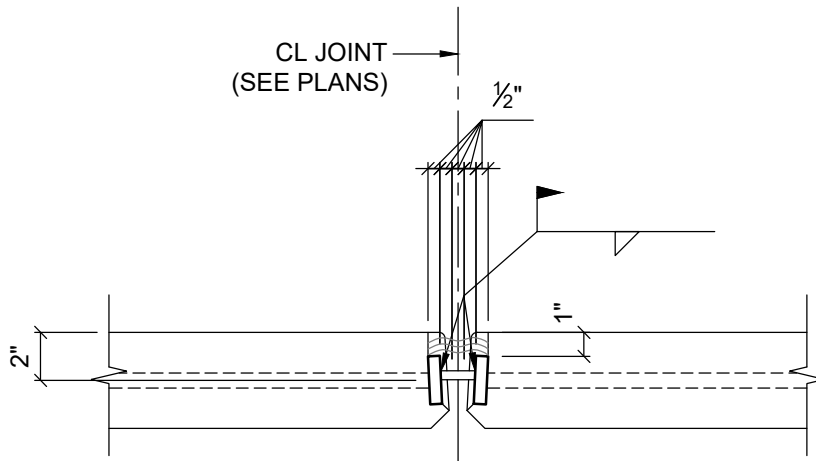
ISSUED:

09/29/2021

REVISED:

0

PD14B



DIAPHRAGM CHORD DT FLANGE
CONNECTION (PRETOPPED)

PD16A

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



TITLE: PARKING DECK DETAILS

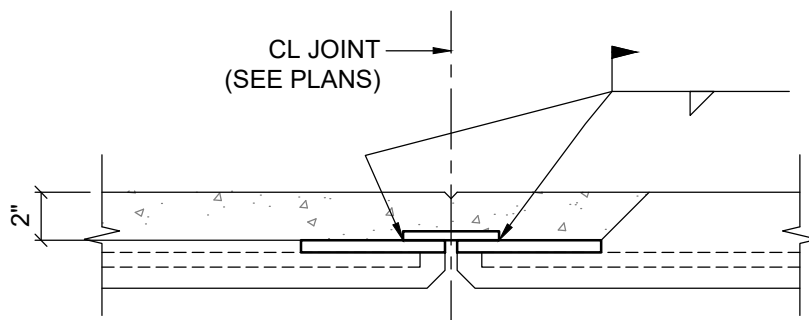
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD16A



DIAPHRAGM CHORD DT FLANGE
 CONNECTION (PRETOPPED TO CIP WASH)

PD16D

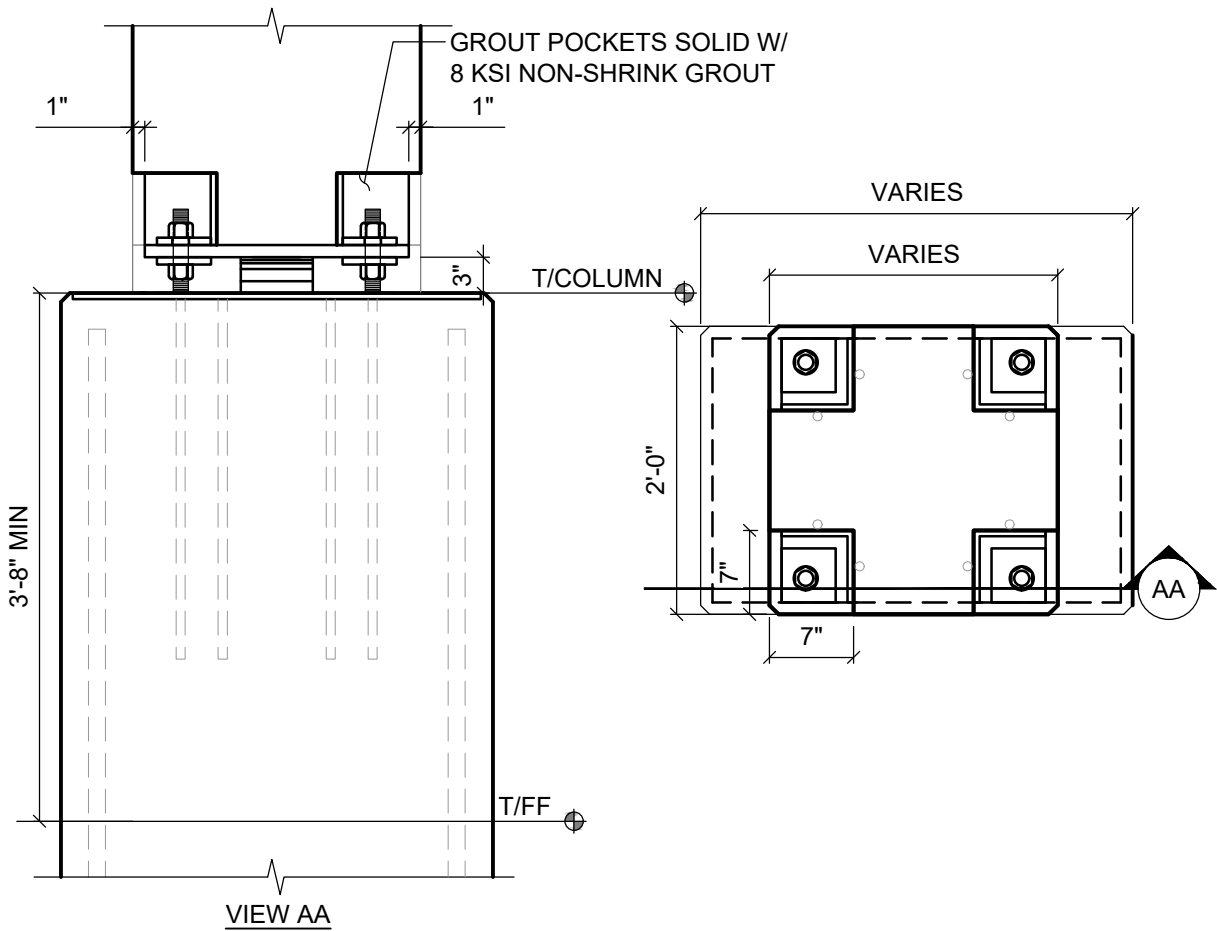
SCALE: 1 1/2" = 1'-0"



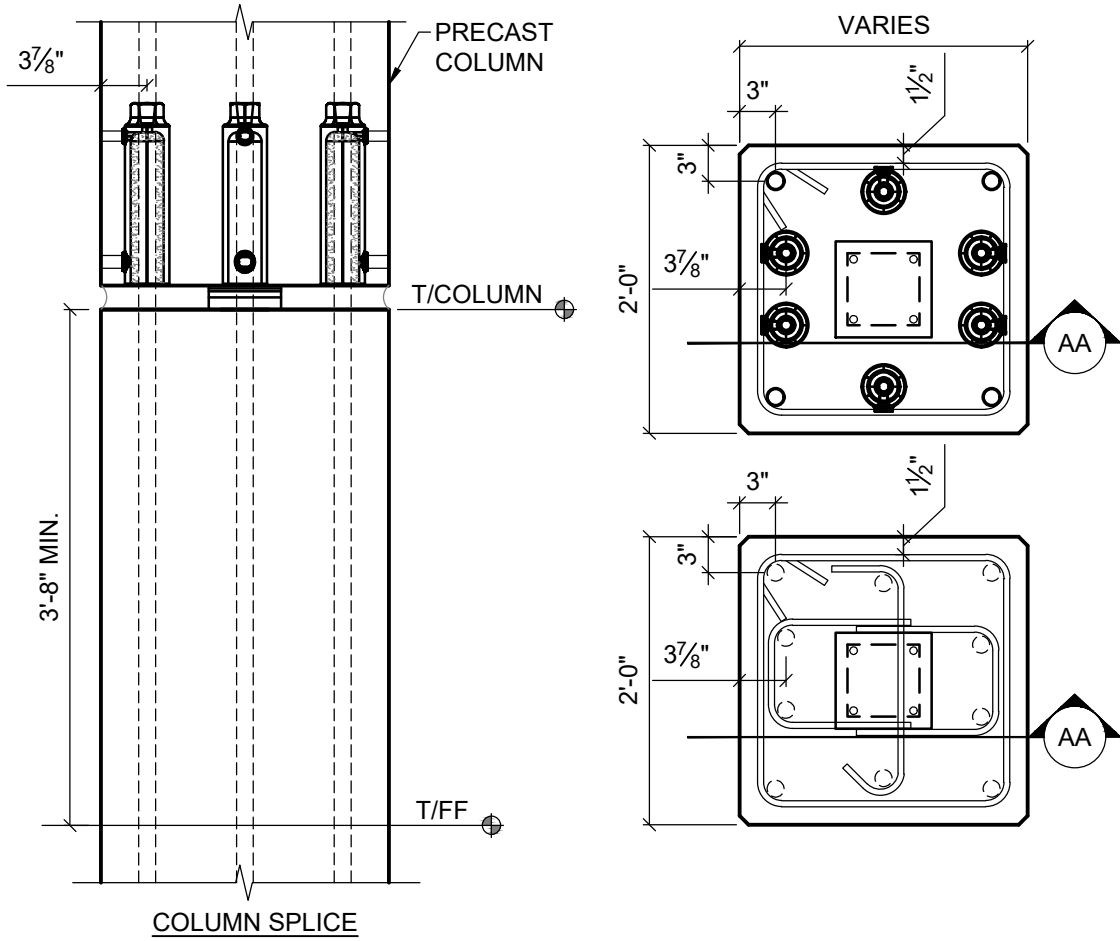
ATMI Precast
 Building Precast Solutions

TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED:	09/29/2021	REVISED: \triangle 0

PD16D



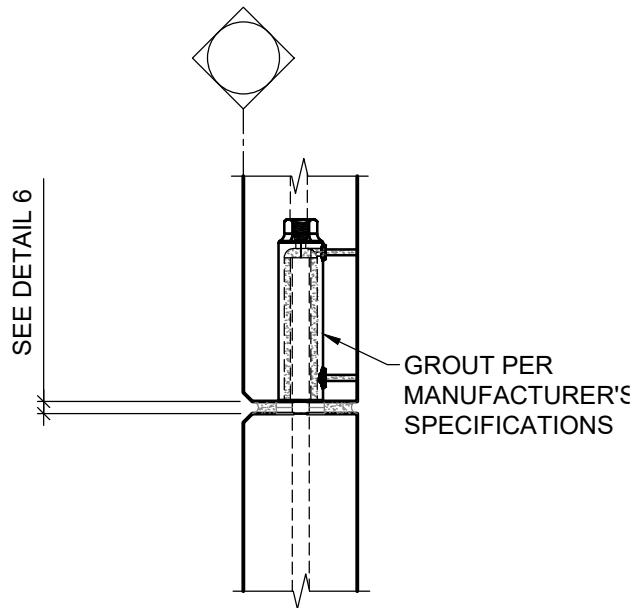
PD19A **COLUMN TO COLUMN SPLICE DETAIL**
SCALE: 3/4" = 1'-0"



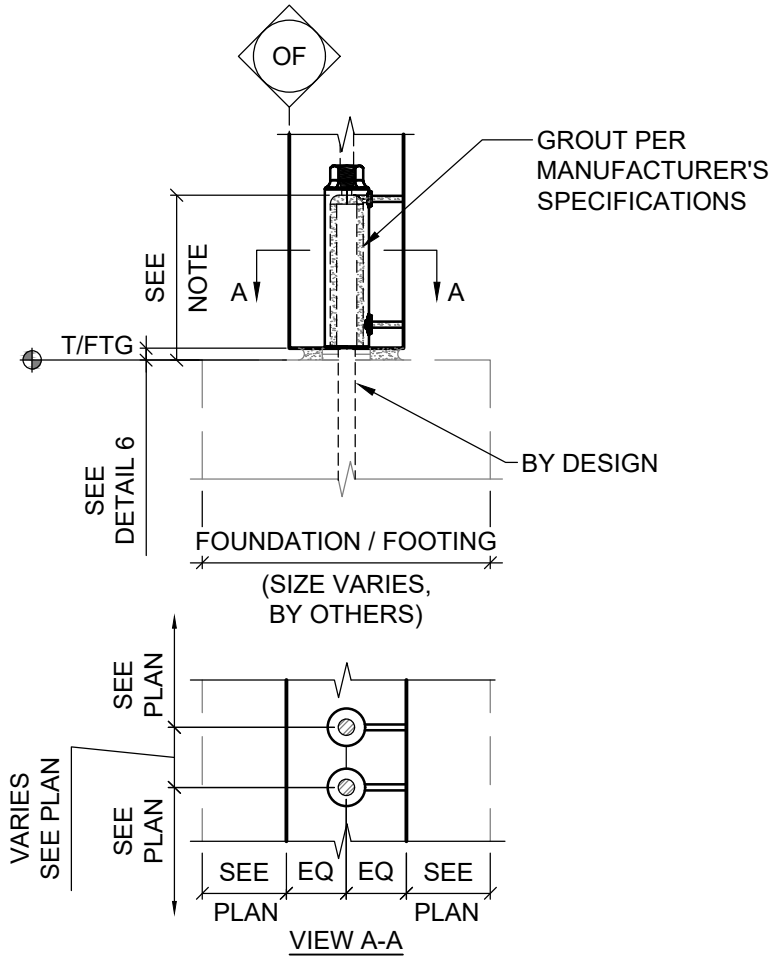
PD19B
COLUMN TO COLUMN MOMENT SPLICE DETAIL
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD19B
ISSUED: 09/29/2021	



PD20
PC TO PC GROUT SLEEVE
 SCALE: 3/4" = 1'-0"



PC TO FOUNDATION
GROUT SLEEVE

PD21

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

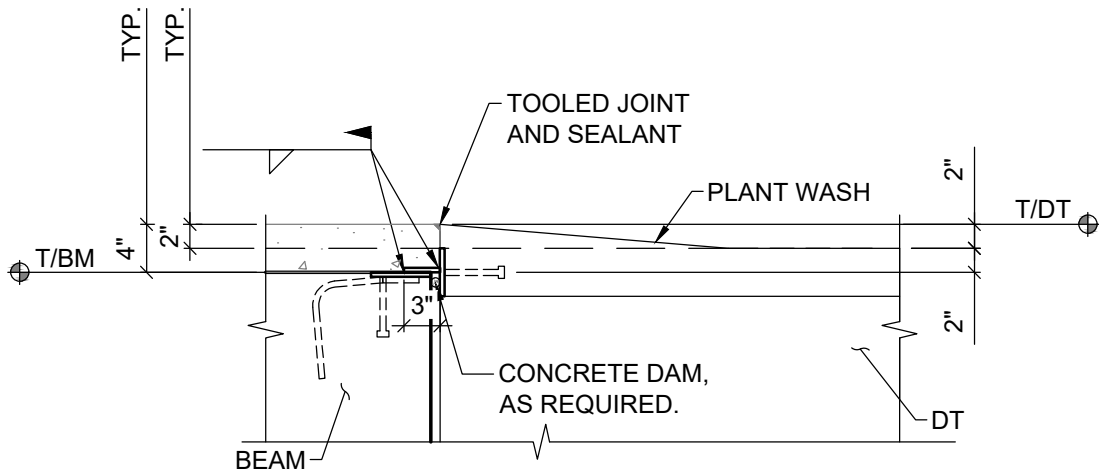
ISSUED:

09/29/2021

REVISED:

0

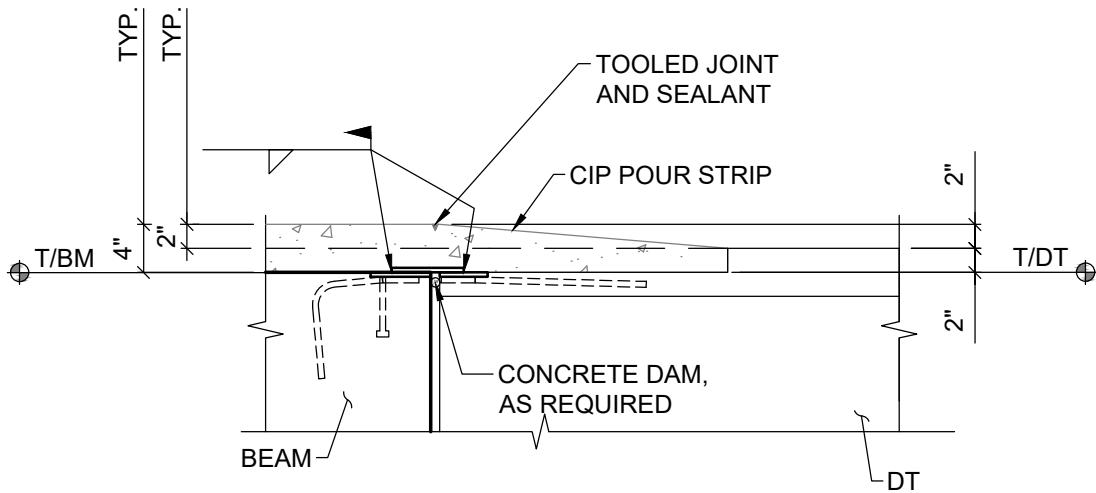
PD21



PD22A
DT TOP FLANGE TO BEAM
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD22A



DT TOP FLANGE TO BEAM
 PD22B SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

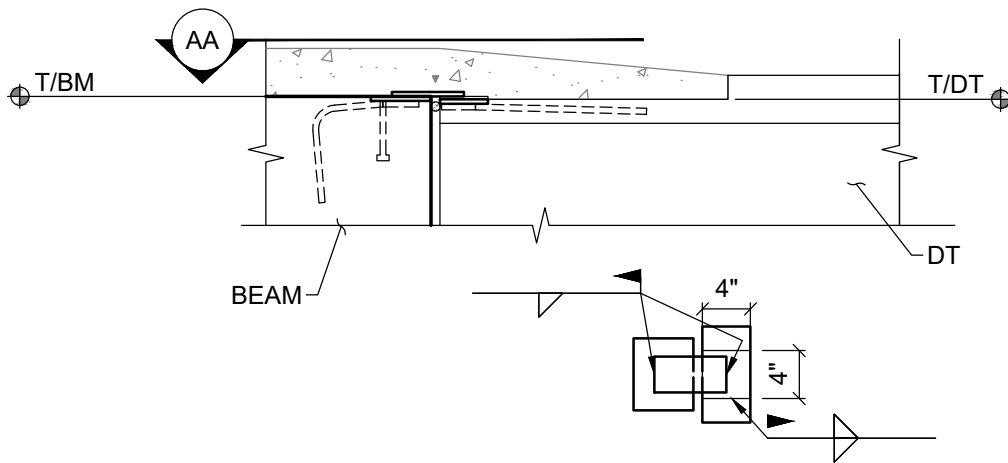
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD22B



PD22C
DT TOP FLANGE TO BEAM
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

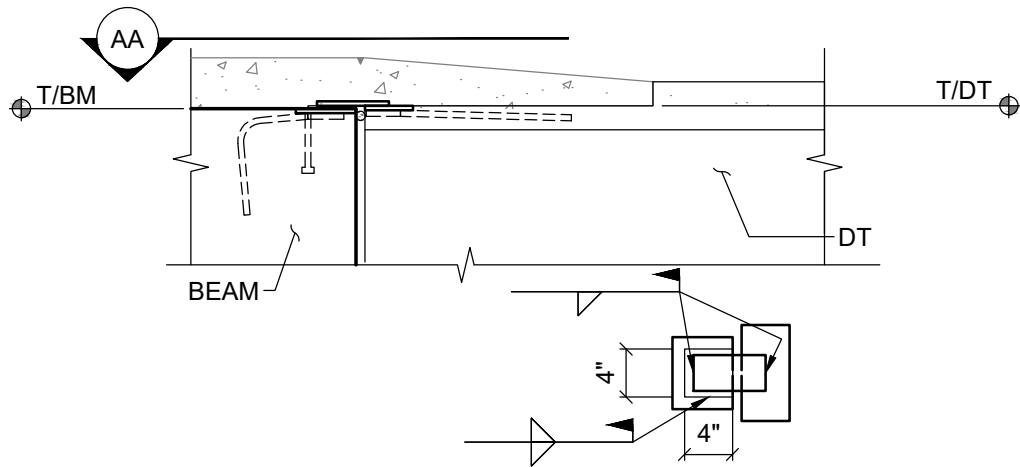
ISSUED:

09/29/2021

REVISED:

0

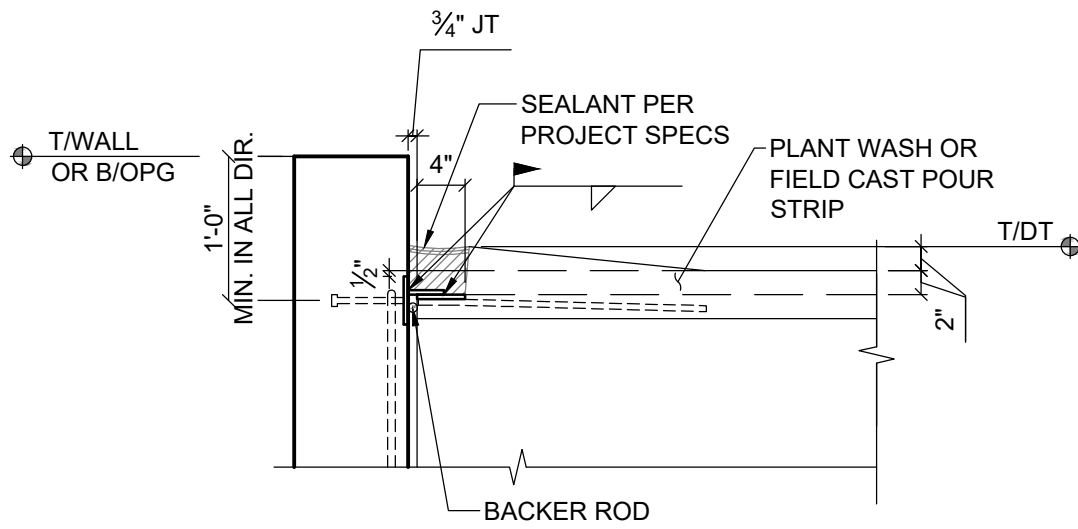
PD22C



PD22D
DT TOP FLANGE TO BEAM
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED:	09/29/2021	REVISED: 0
		PD22D

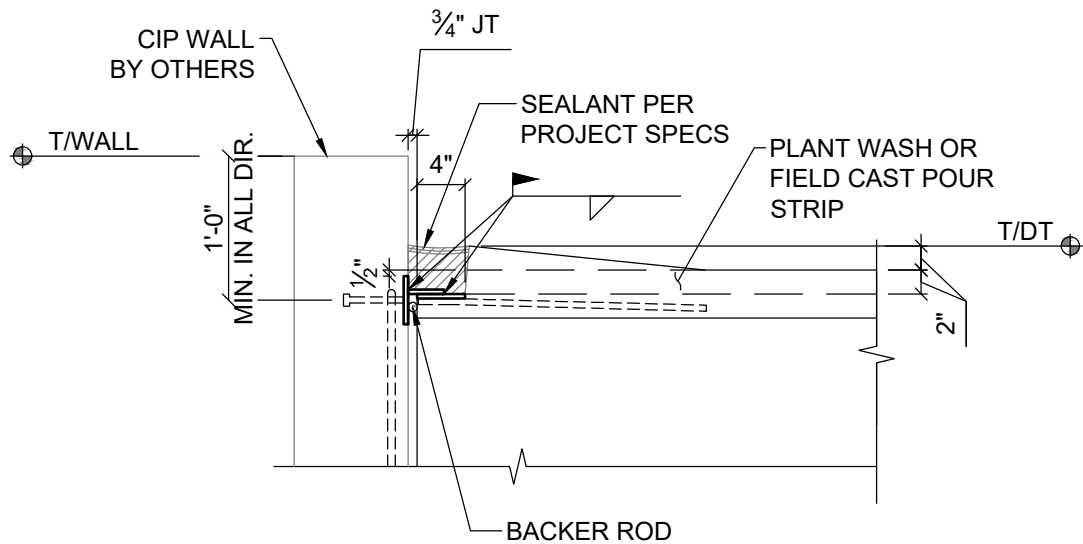


NOTE:
 PROVIDE 1/2" DRAFT ON ALL SIDES AT 4" RECESS

DT TOP FLANGE TO WALL
 PD23 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD23
ISSUED: 09/29/2021	REVISED: 0	



NOTE:
 PROVIDE 1/2" DRAFT ON
 ALL SIDES AT 4" RECESS

DT TOP FLANGE TO CIP WALL
 PD24 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

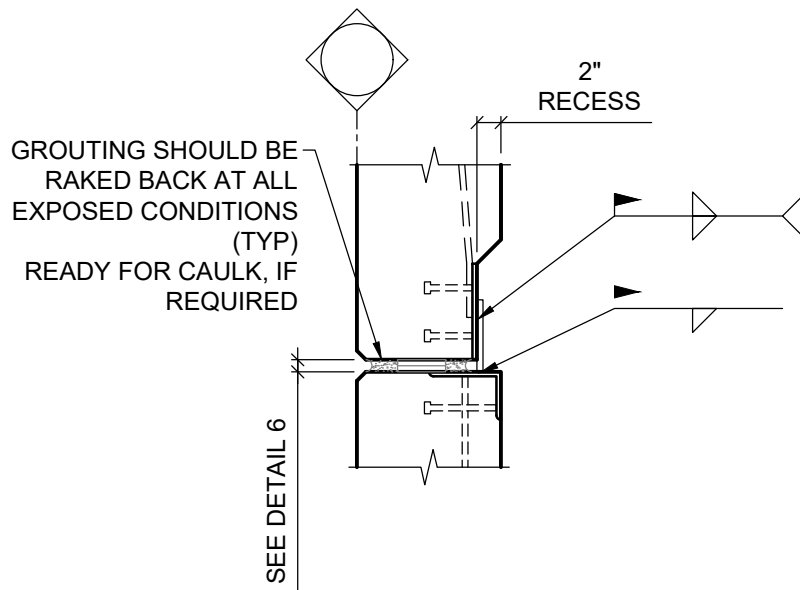
BY: ATMI

PROJECT: ATMI STANDARDS

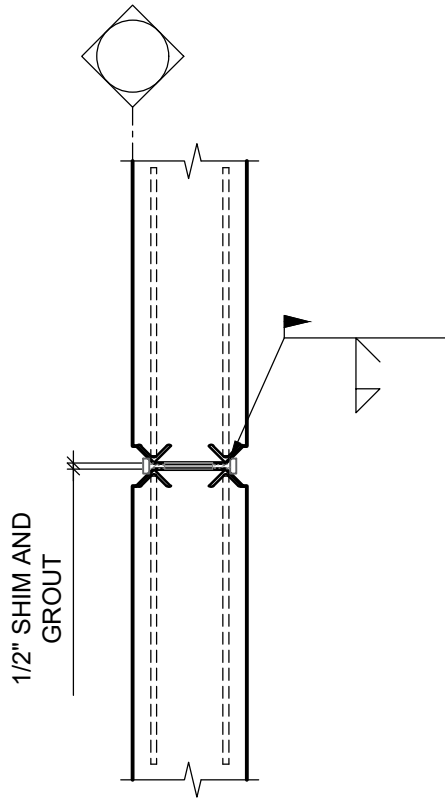
ISSUED: 09/29/2021

REVISED: 0

PD24



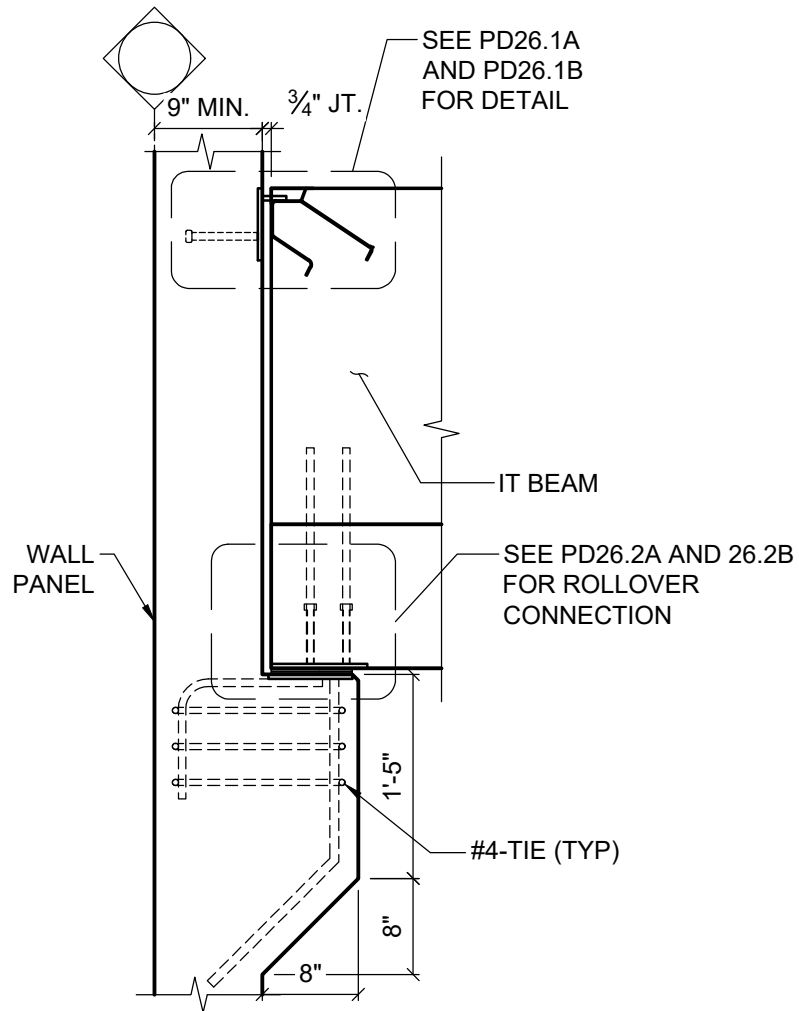
PD25A **STACKED PANEL CONNECTION**
SCALE: 3/4" = 1'-0"



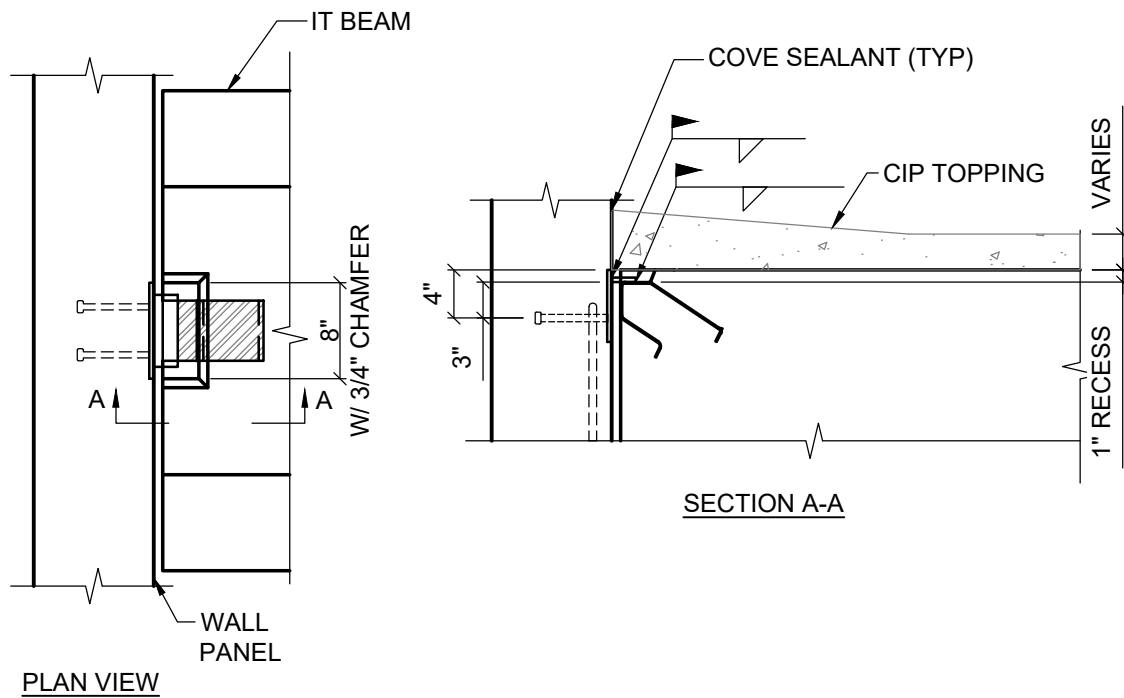
PD25B
STACKED PANEL CONNECTION
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD25B



PD26A
IT BEAM BEARING ON WALL CORBEL
 SCALE: 3/4" = 1'-0"



PD26.1A IT BEAM TO WALL TOP TIEBACK
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

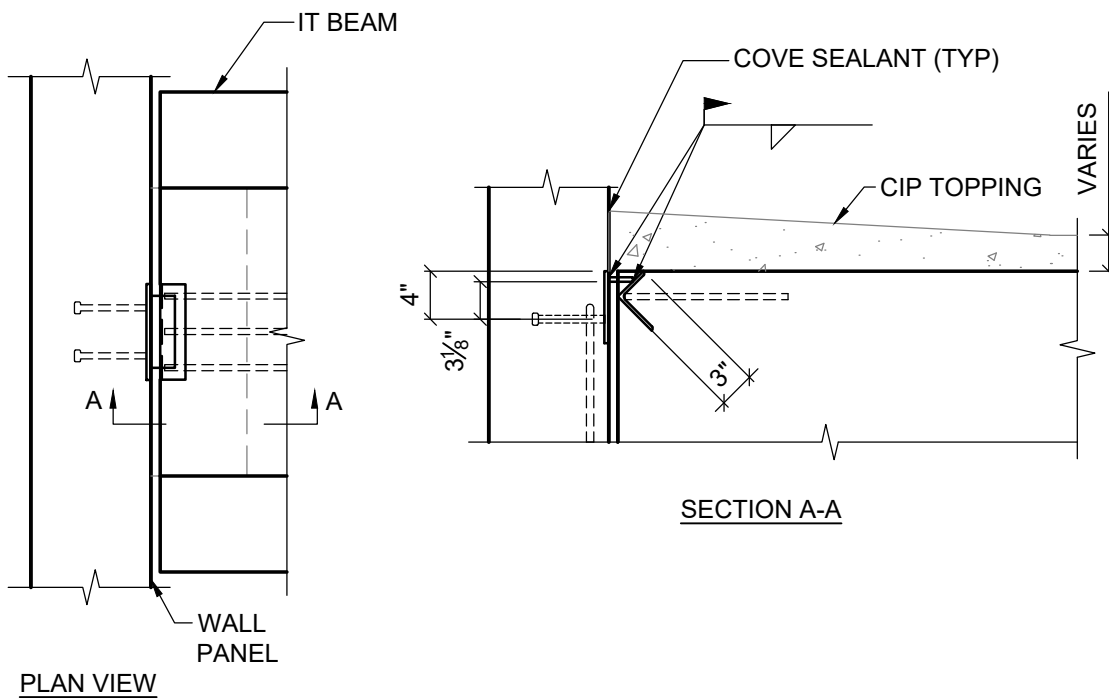
ISSUED:

09/29/2021

REVISED:



PD26.1A



PD26.1B IT BEAM TO WALL TOP TIEBACK
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

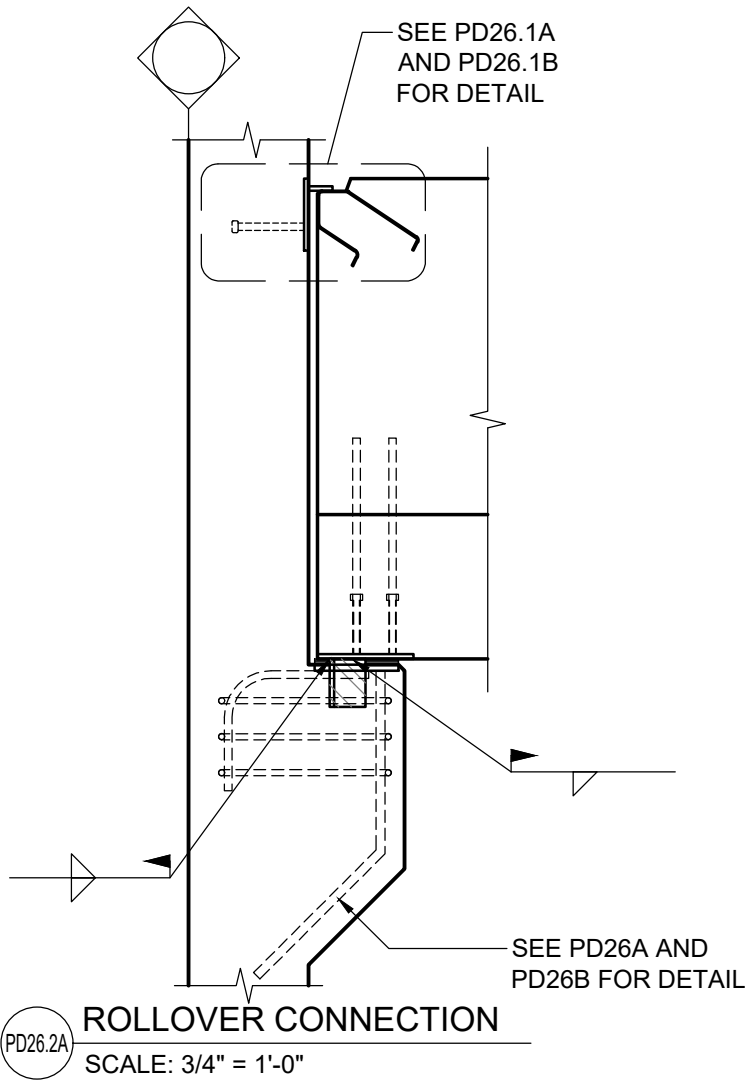
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD26.1B



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

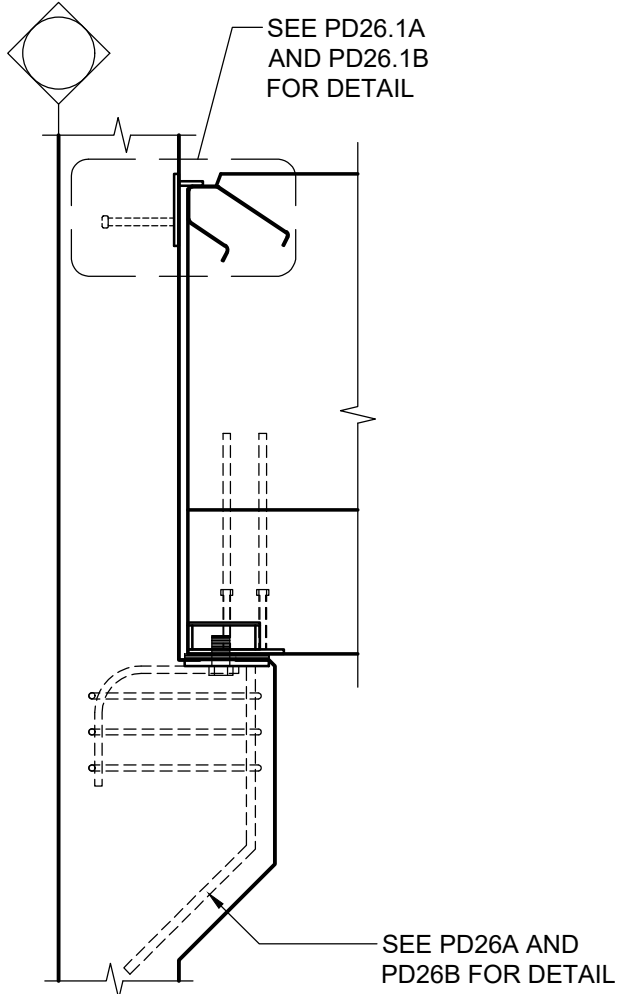
ISSUED:

09/29/2021

REVISED:

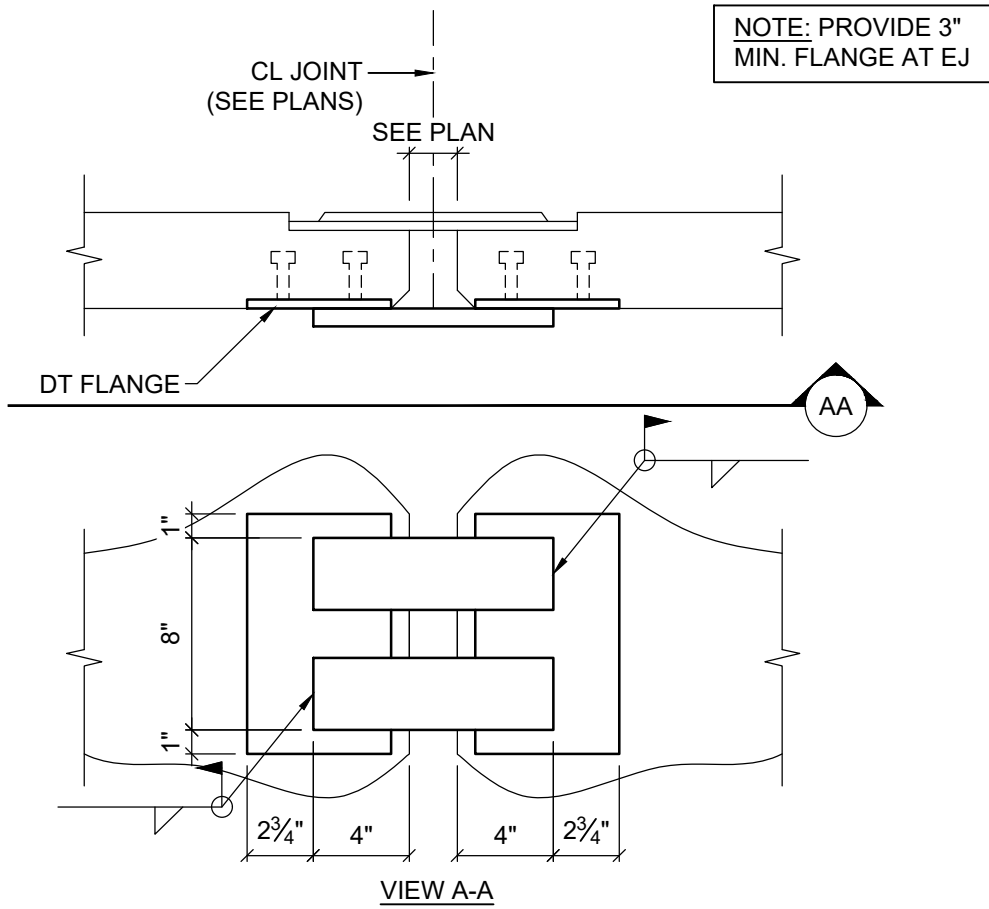
0

PD26.2A



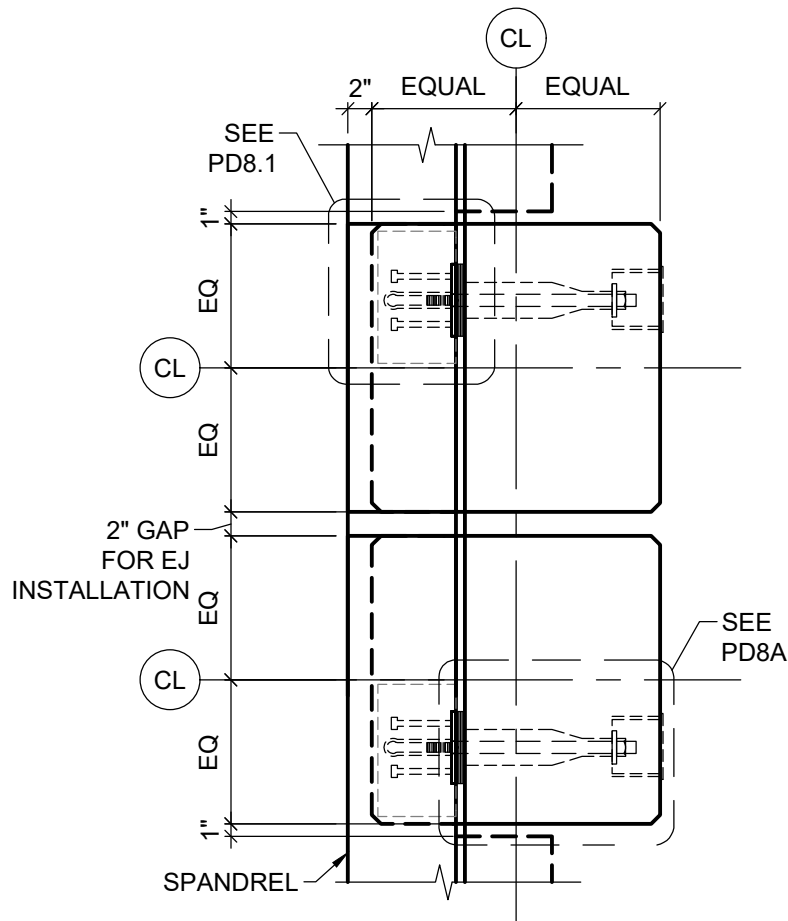
PD26.2B
ROLLOVER CONNECTION
 SCALE: 3/4" = 1'-0"

	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: \triangle 0	PD26.2B

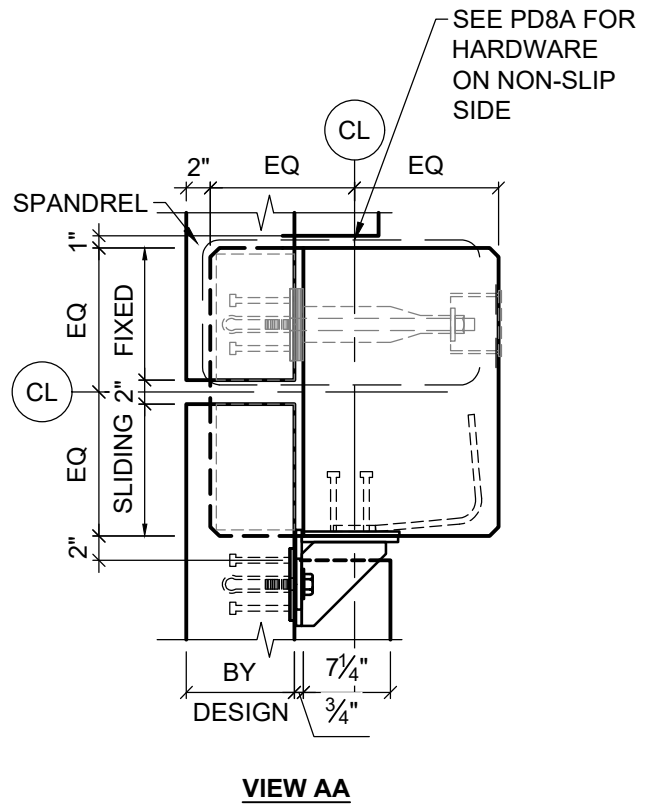
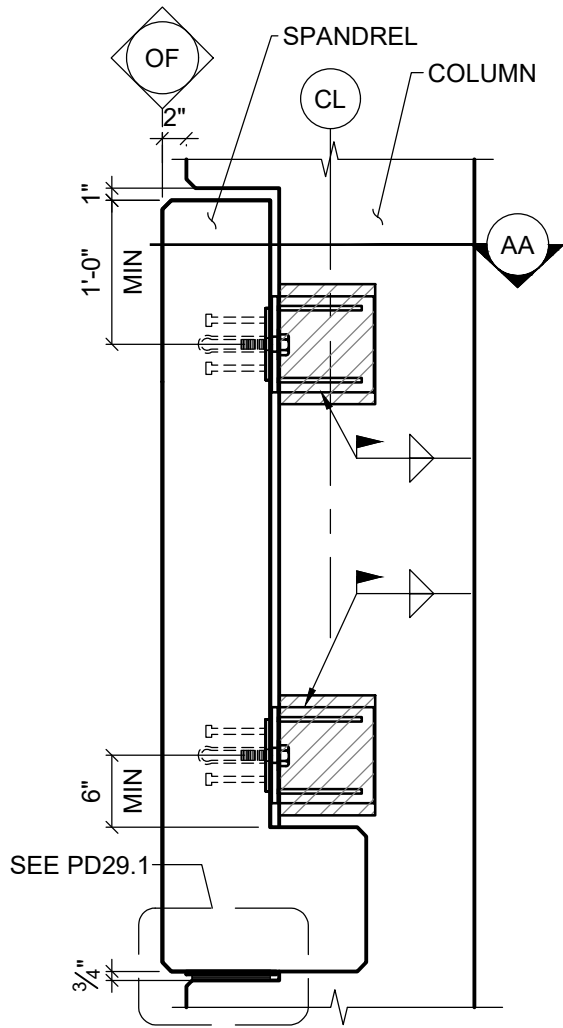


PD27
DT FLANGE TO FLANGE INTERFACE AT EJ
 SCALE: 1 1/2" = 1'-0"

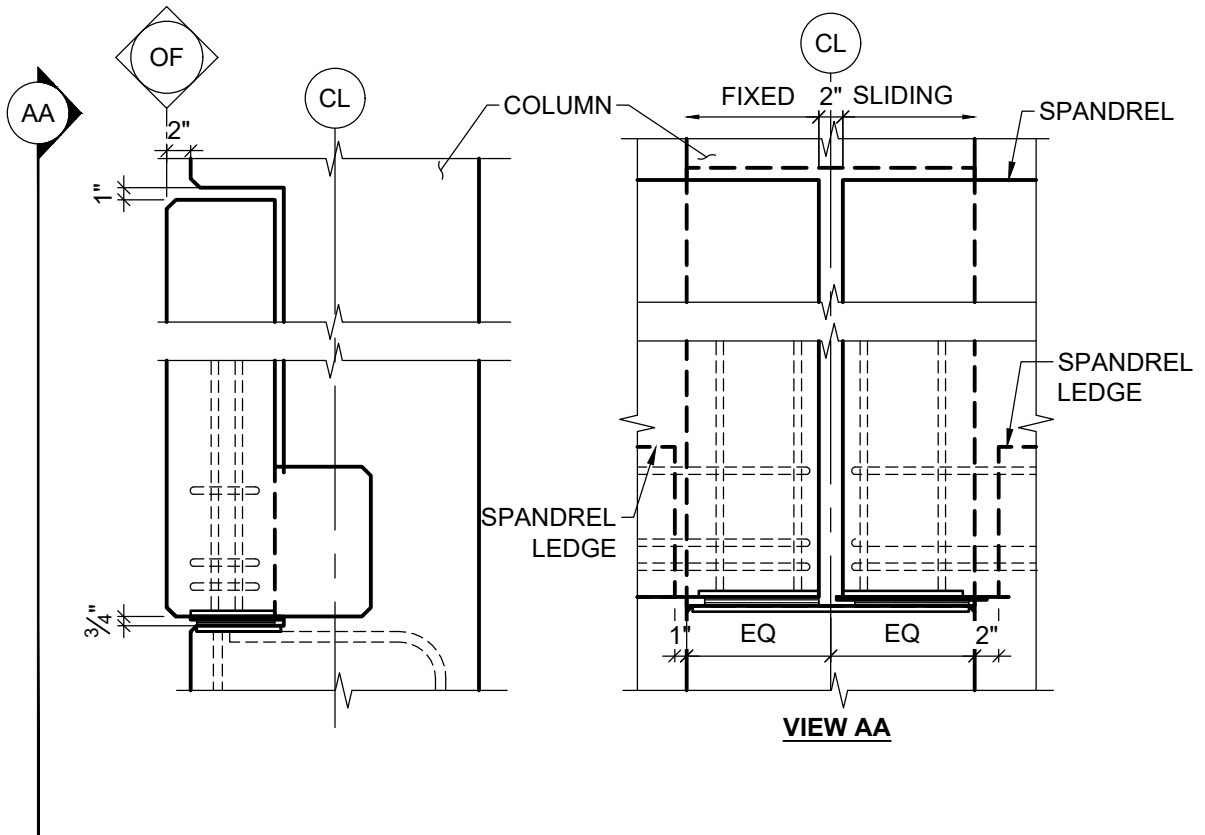
	TITLE: PARKING DECK DETAILS	BY: ATMI
	PROJECT: ATMI STANDARDS	
	ISSUED: 09/29/2021	REVISED: 0
		PD27



PD28 DOUBLE COLUMN AT EJ
SCALE: 3/4" = 1'-0"



PD29
SPANDREL TIEBACK AT EJ
 SCALE: 3/4" = 1'-0"



SPANDREL BEARING ON
EXTERIOR COLUMN AT EJ

PD29.1

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

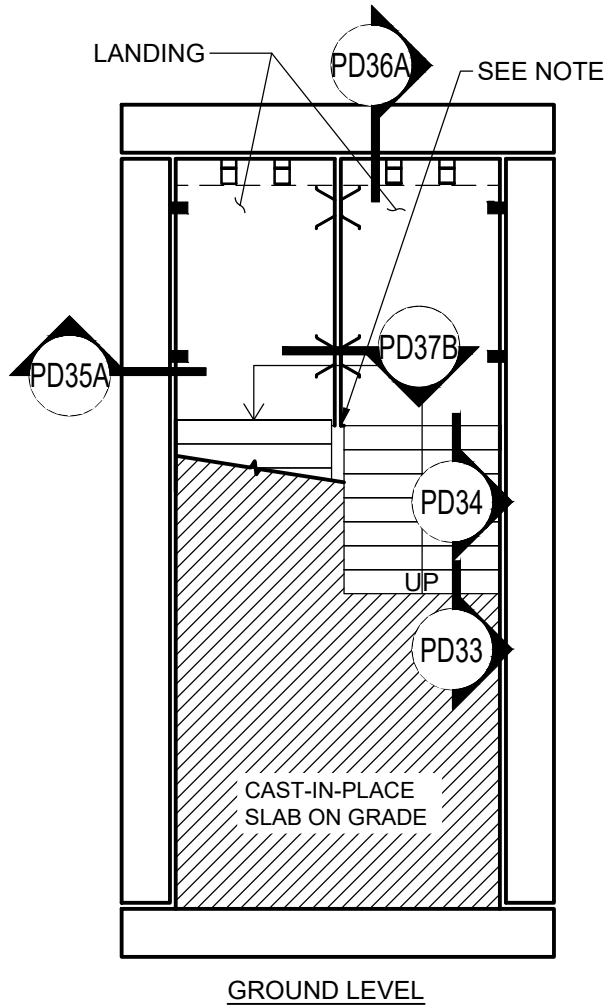
ISSUED:

09/28/2021

REVISED:

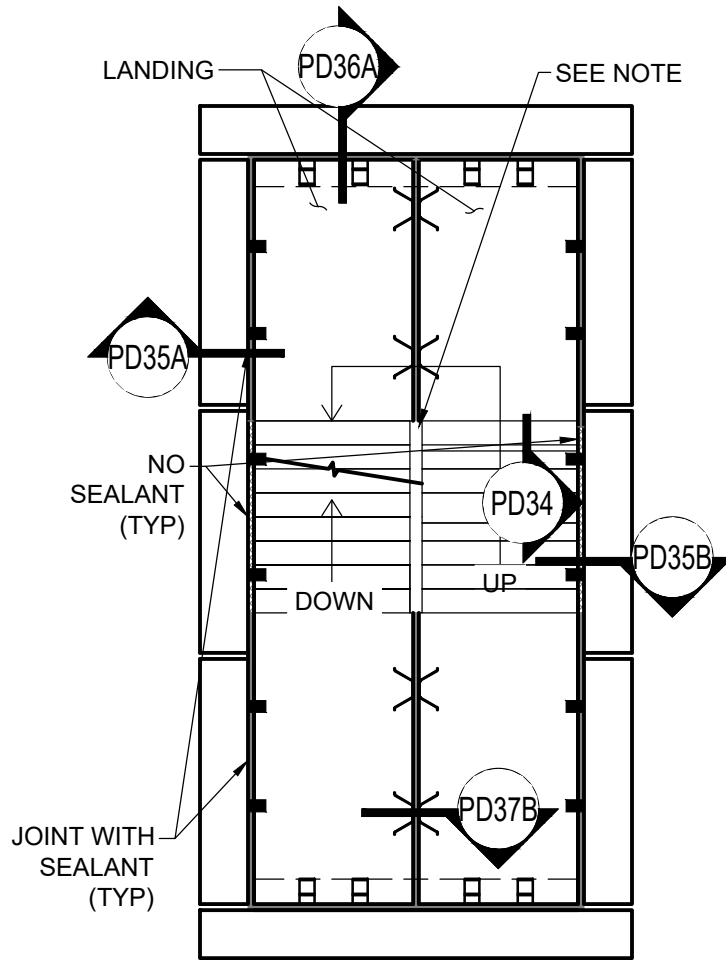
0

PD29.1



PD32A
TYP. STAIR PLAN
 SCALE: 3/8" = 1'-0"

NOTE:
 GAP DEPENDENT UPON AOR
 HANDRAIL SELECTION.



TYPICAL FLOORS

PD32A TYP. STAIR PLAN
SCALE: 3/8" = 1'-0"

NOTE:
GAP DEPENDENT UPON AOR
HANDRAIL SELECTION.



TITLE: PARKING DECK DETAILS

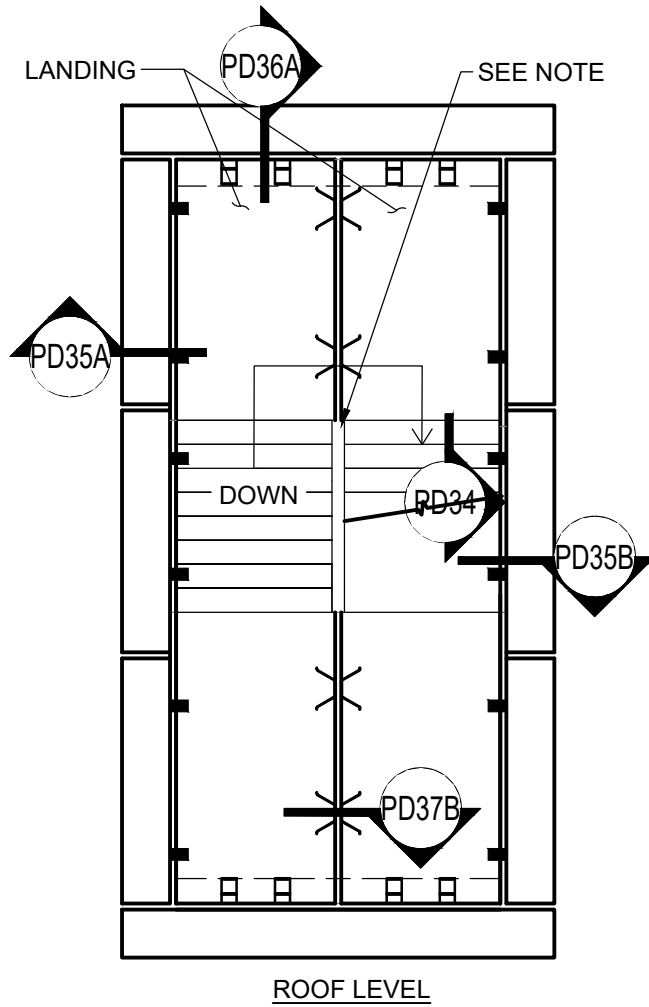
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/28/2021

REVISED: 0

PD32A

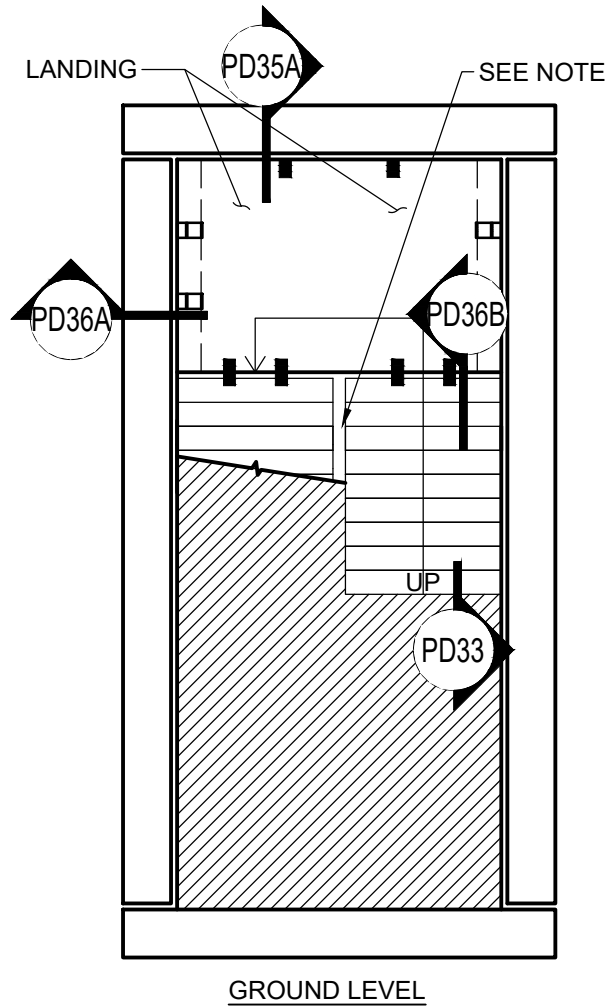


PD32A
TYP. STAIR PLAN
 SCALE: 3/8" = 1'-0"

NOTE:
 GAP DEPENDENT UPON AOR
 HANDRAIL SELECTION.

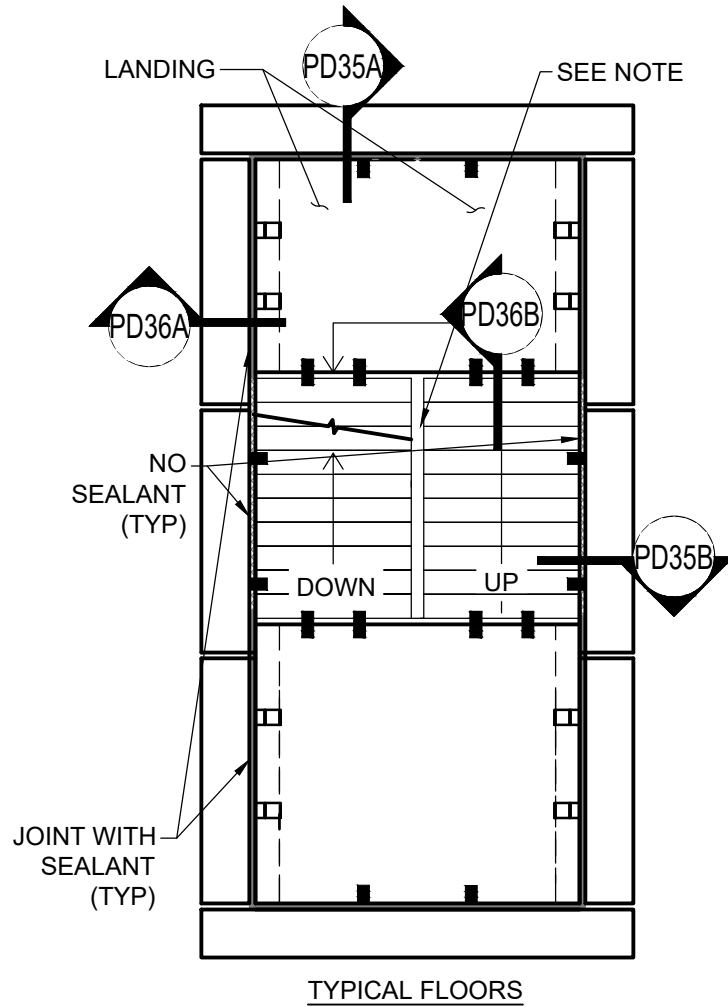


TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/28/2021	REVISED: 0	PD32A



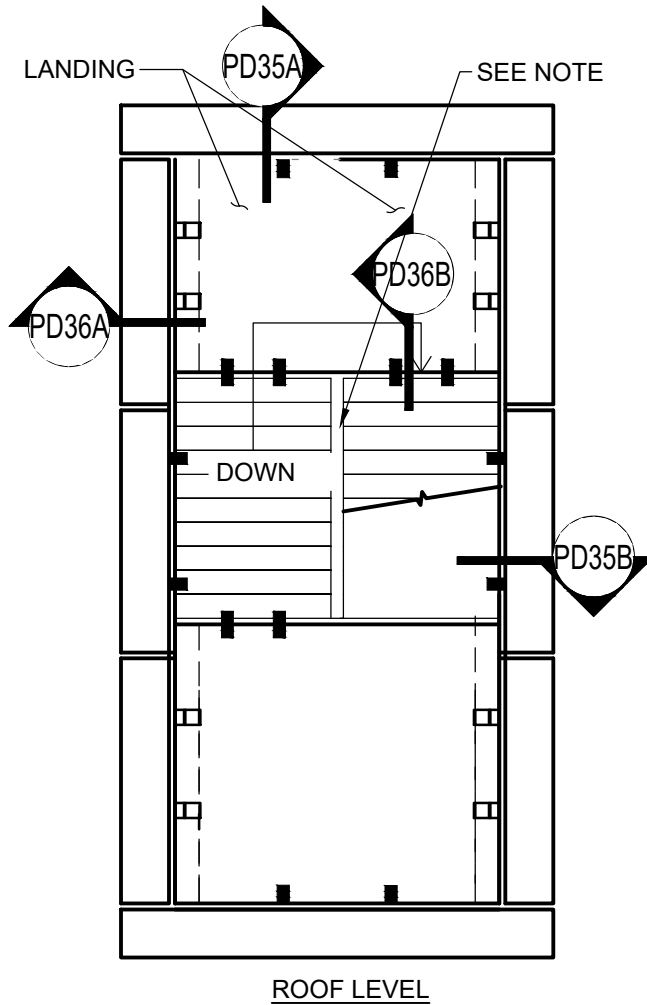
PD32B TYP. STAIR PLAN
SCALE: 3/8" = 1'-0"

NOTE:
GAP DEPENDENT UPON AOR
HANDRAIL SELECTION.



PD32B TYP. STAIR PLAN
SCALE: 3/8" = 1'-0"

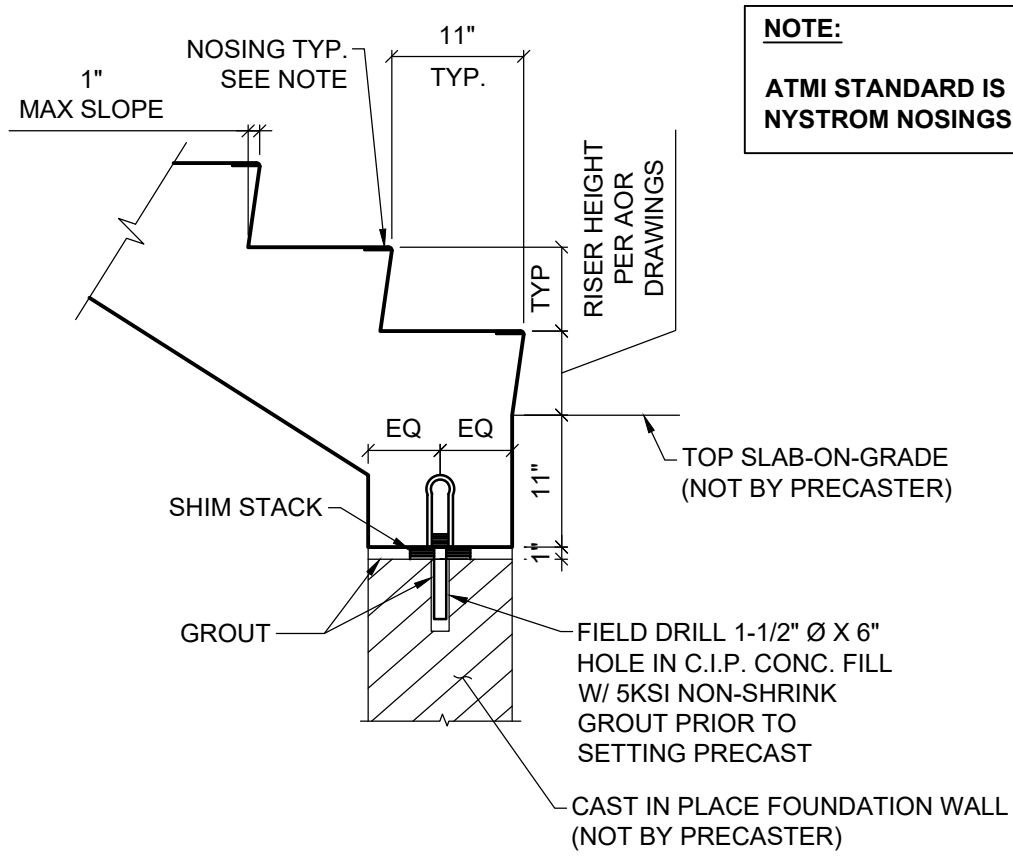
NOTE:
GAP DEPENDENT UPON AOR
HANDRAIL SELECTION.



PD32B
TYP. STAIR PLAN
 SCALE: 3/8" = 1'-0"


NOTE:
 GAP DEPENDENT UPON AOR
 HANDRAIL SELECTION.

	TITLE: PARKING DECK DETAILS	BY: ATMI
	PROJECT: ATMI STANDARDS	
	ISSUED: 09/28/2021	REVISED: 0
		PD32B

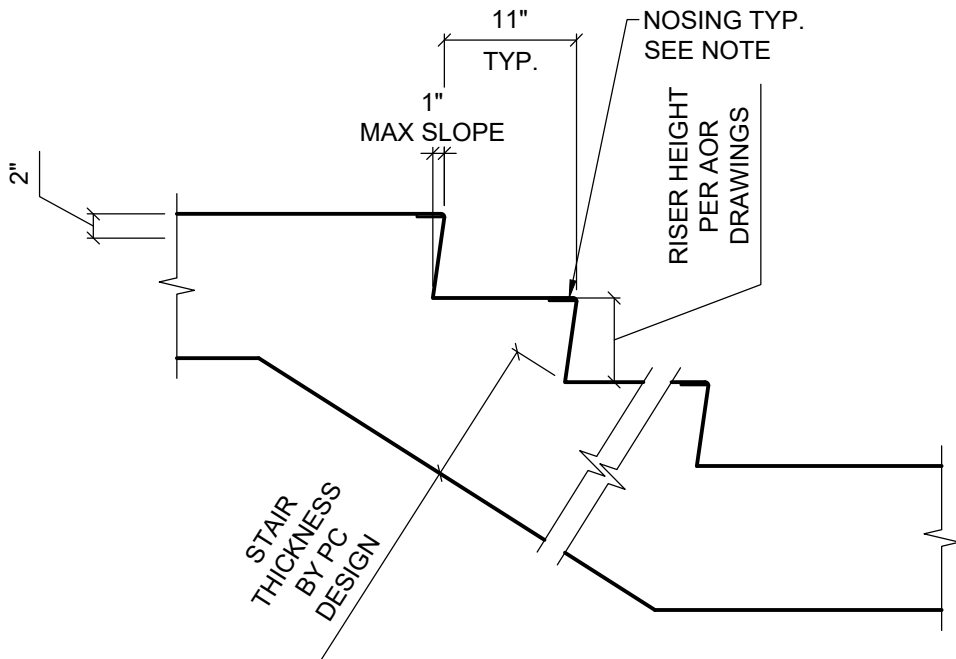


NOTE:
ATMI STANDARD IS CAST-IN NYSTROM NOSINGS.

PD33 **STAIR BASE CONNECTION**
 SCALE: 3/4" = 1'-0"

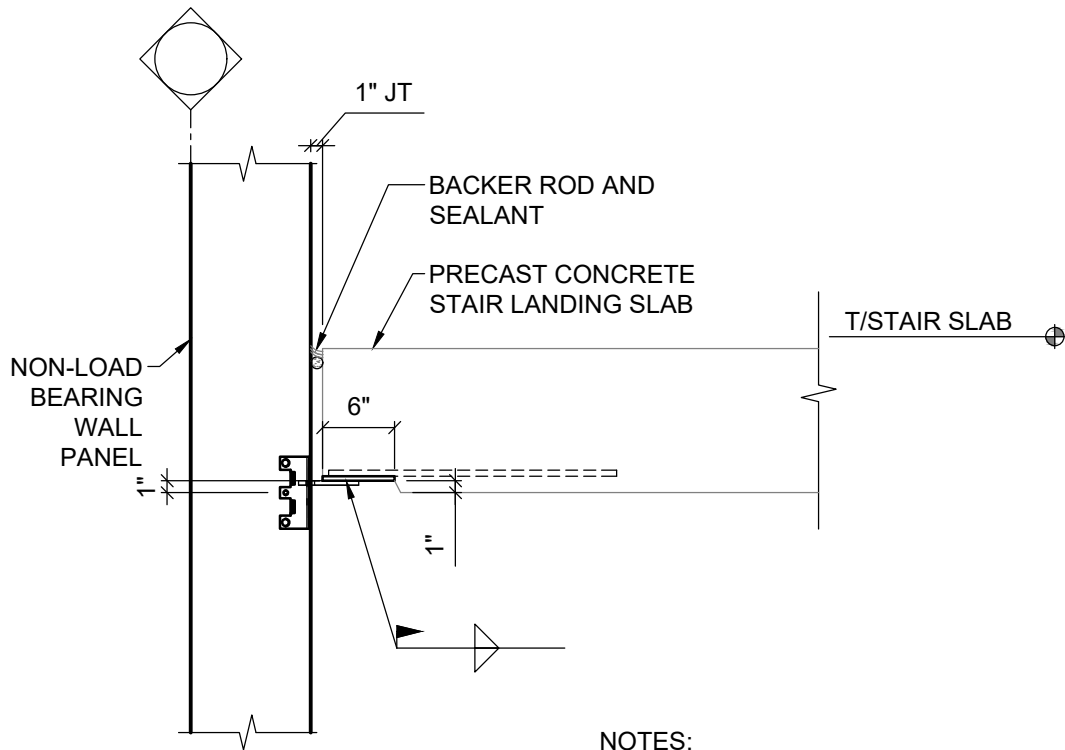
	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/28/2021	REVISED: 0	PD33

NOTE:
ATMI STANDARD IS CAST-IN NYSTROM NOSINGS.



PD34 STAIR NOSING
 SCALE: 3/4" = 1'-0"

	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/28/2021	REVISED: \triangle 0	PD34



NOTES:

1. SLOTTED INSERT LOCATION TO STEP WITH CAMBER OF DT.
2. PROVIDE 1/2" DRAFT ON ALL SIDES AT 6" RECESS

**NON-LOAD BEARING
LANDING SLAB TO WALL**

PD35A

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

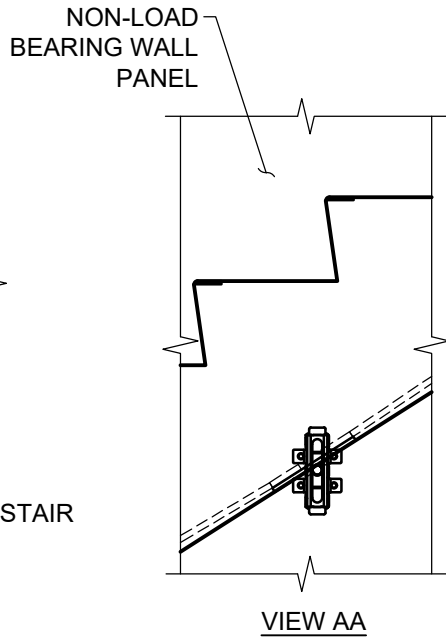
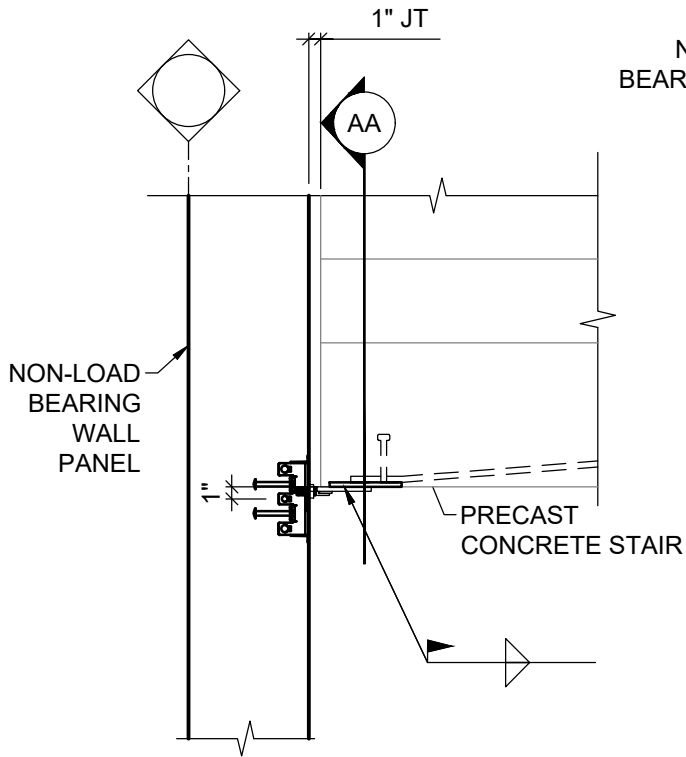
ISSUED:

09/29/2021

REVISED:

0

PD35A



NOTE:
SLOTTED INSERT LOCATION
TO STEP WITH RISER
GEOMETRY

NON-LOAD BEARING
RISER SLAB TO WALL

PD35B

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



TITLE: PARKING DECK DETAILS

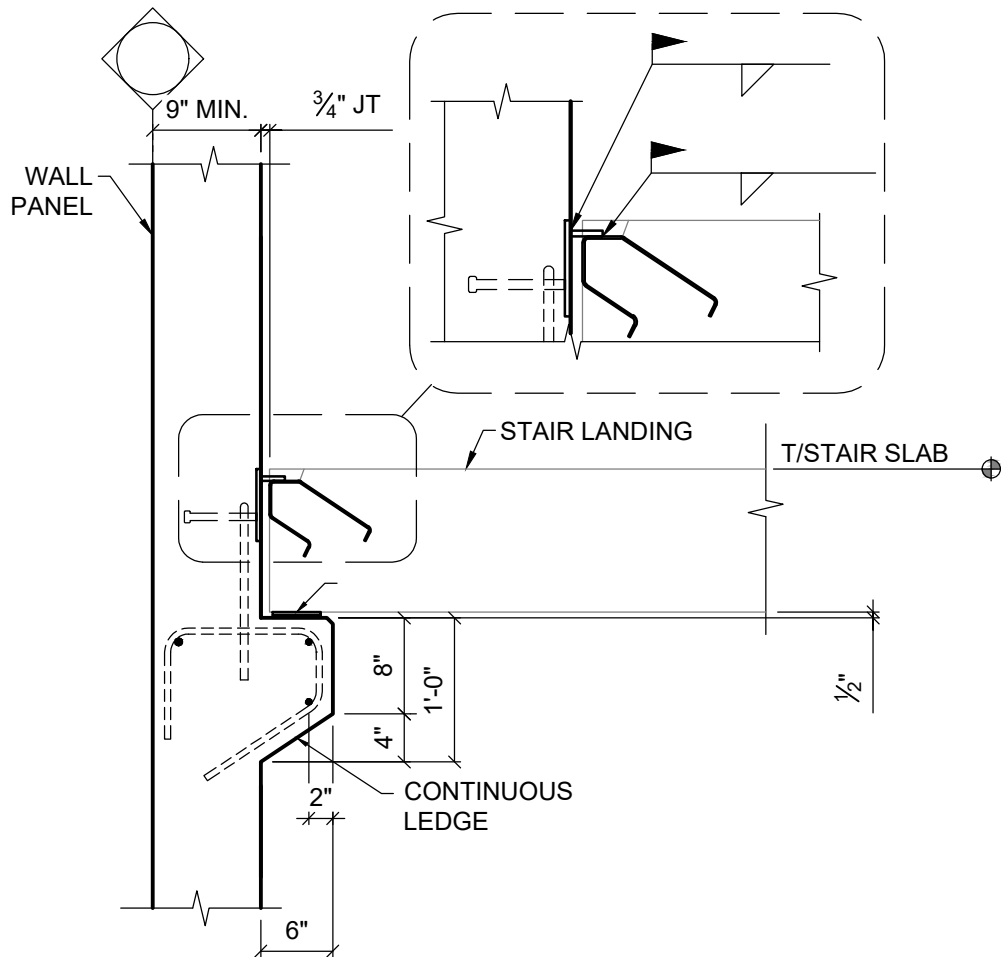
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD35B



PD36A

STAIR LANDING SUPPORT

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

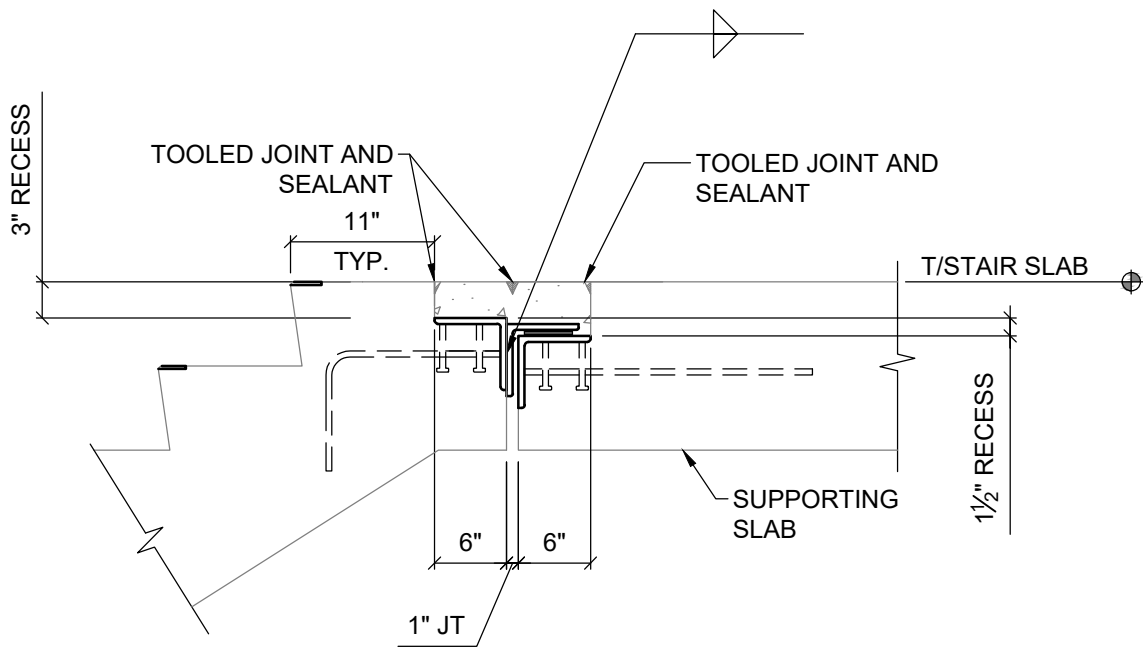
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD36A



PD36B

STAIR SLAB TO RISER SLAB

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

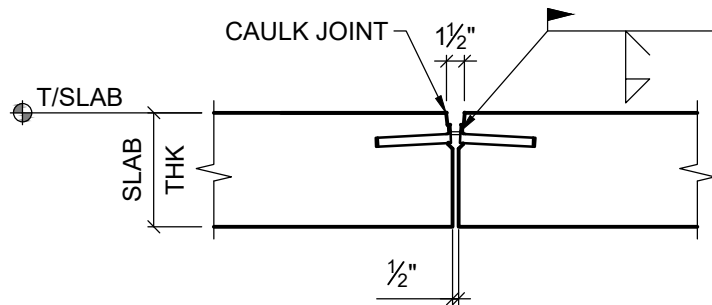
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD36B



PD37
STAIR SLAB TO STAIR SLAB
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

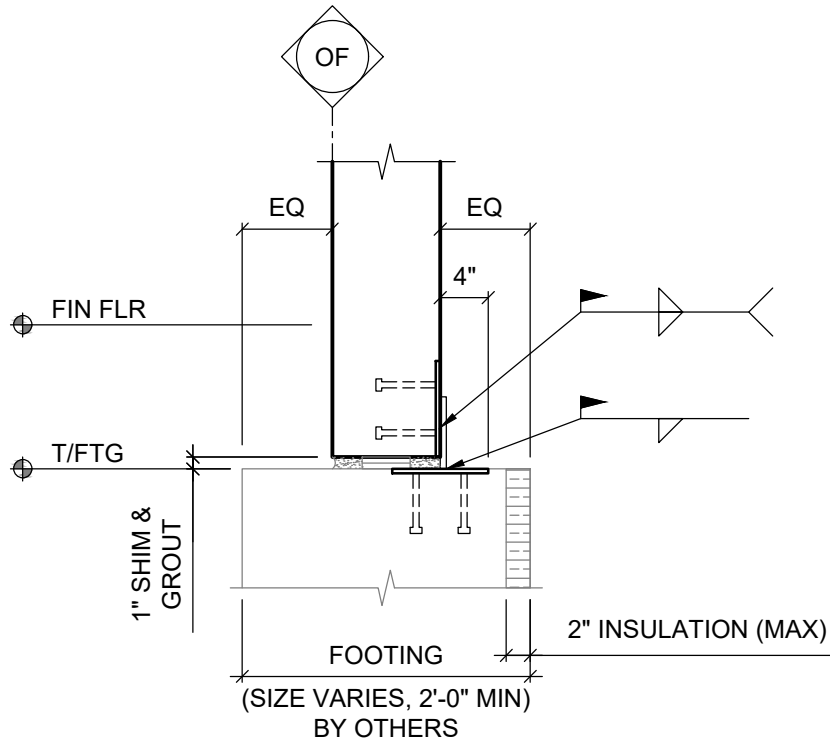
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD37



**BASE CONNECTION
AT TRENCH FOOTING**

PD40A

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



TITLE: PARKING DECK DETAILS

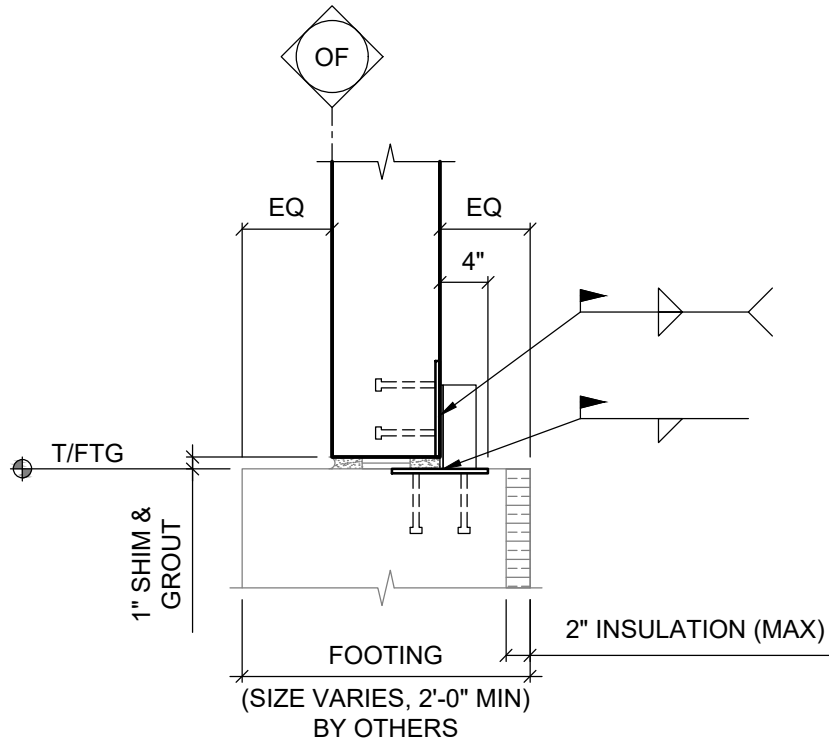
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD40A



**BASE CONNECTION
AT TRENCH FOOTING**

PD40B

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



TITLE: PARKING DECK DETAILS

BY: ATMI

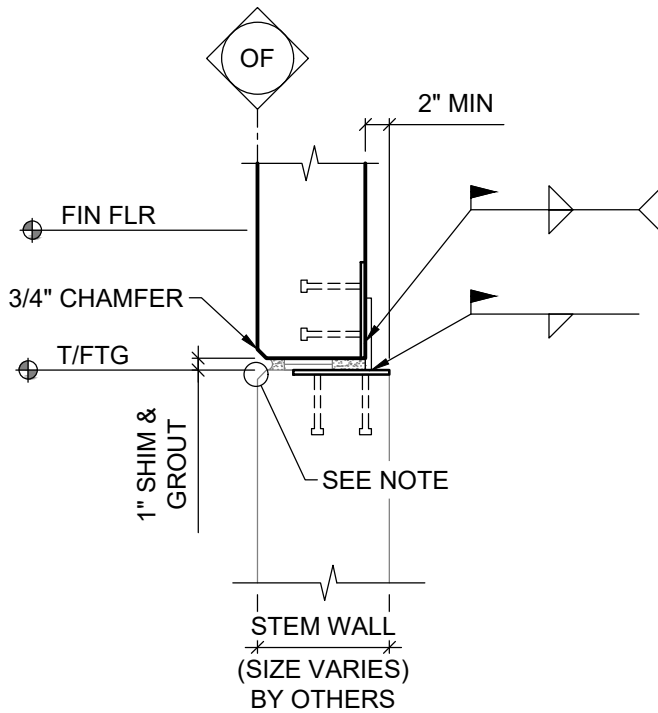
PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD40B

NOTE:
 ATMI RECOMMENDS ADDING CHAMFERED EDGE TO THE OUTSIDE FACE TOP EDGE OF STEM WALLS TO REDUCE CHIPPING & SPALLING DURING TYPICAL PRECAST ERECTION.



**BASE CONNECTION
 AT STEM WALL**

PD41A

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

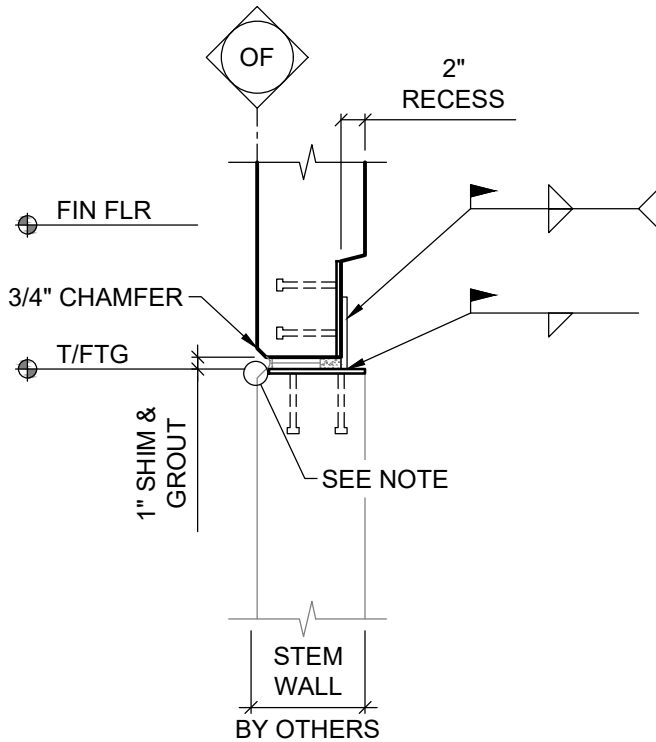
ISSUED: 09/29/2021

REVISED: 0

PD41A

NOTE:

ATMI RECOMMENDS ADDING CHAMFERED EDGE TO THE OUTSIDE FACE TOP EDGE OF STEM WALLS TO REDUCE CHIPPING DURING TYPICAL PRECAST ERECTION PROCESS.



PD41B

BASE CONNECTION AT NARROW STEM WALL

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

EMBED	DESCRIPTION
P-03	PL3/8"x8"x8" w/ (4) 1/2"ØX 5" HS
E-53	PL 1/2"x6"x6"
F-04	PL3/8"x8"x8" w/ (4) 1/2"ØX 5" HS



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

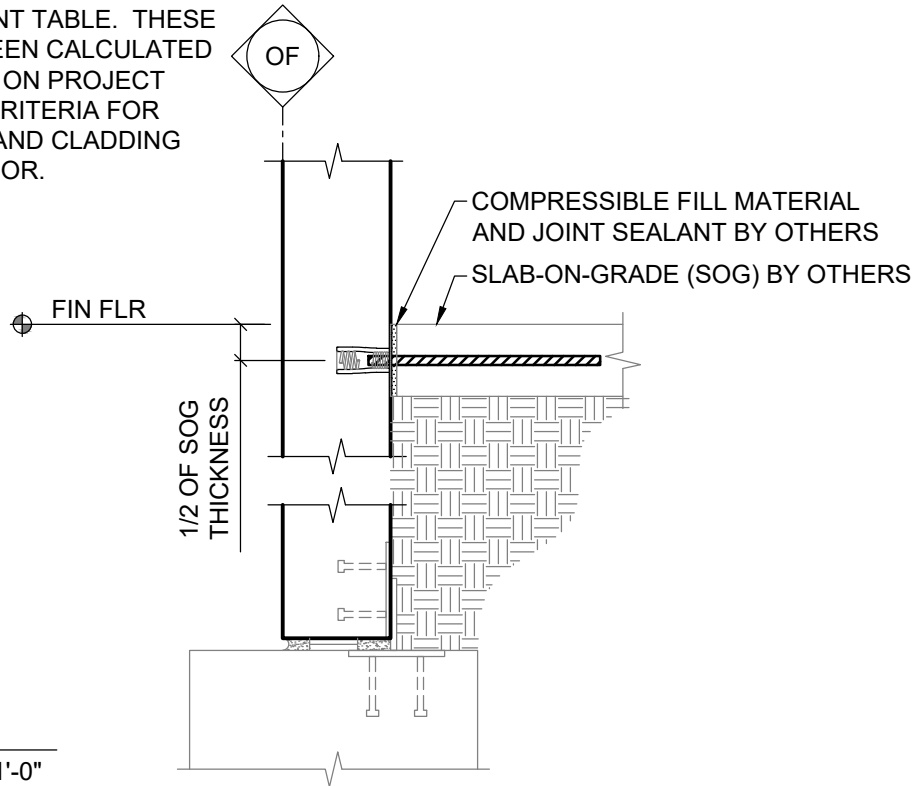
REVISED: 0

PD41B

NOTES:

- DESIGN OF COIL ROD 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.
- EOB 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.

SERVICE LOADS IMPOSED BY PANEL ON SOG TO BE PROVIDED ON SHOP DRAWINGS.



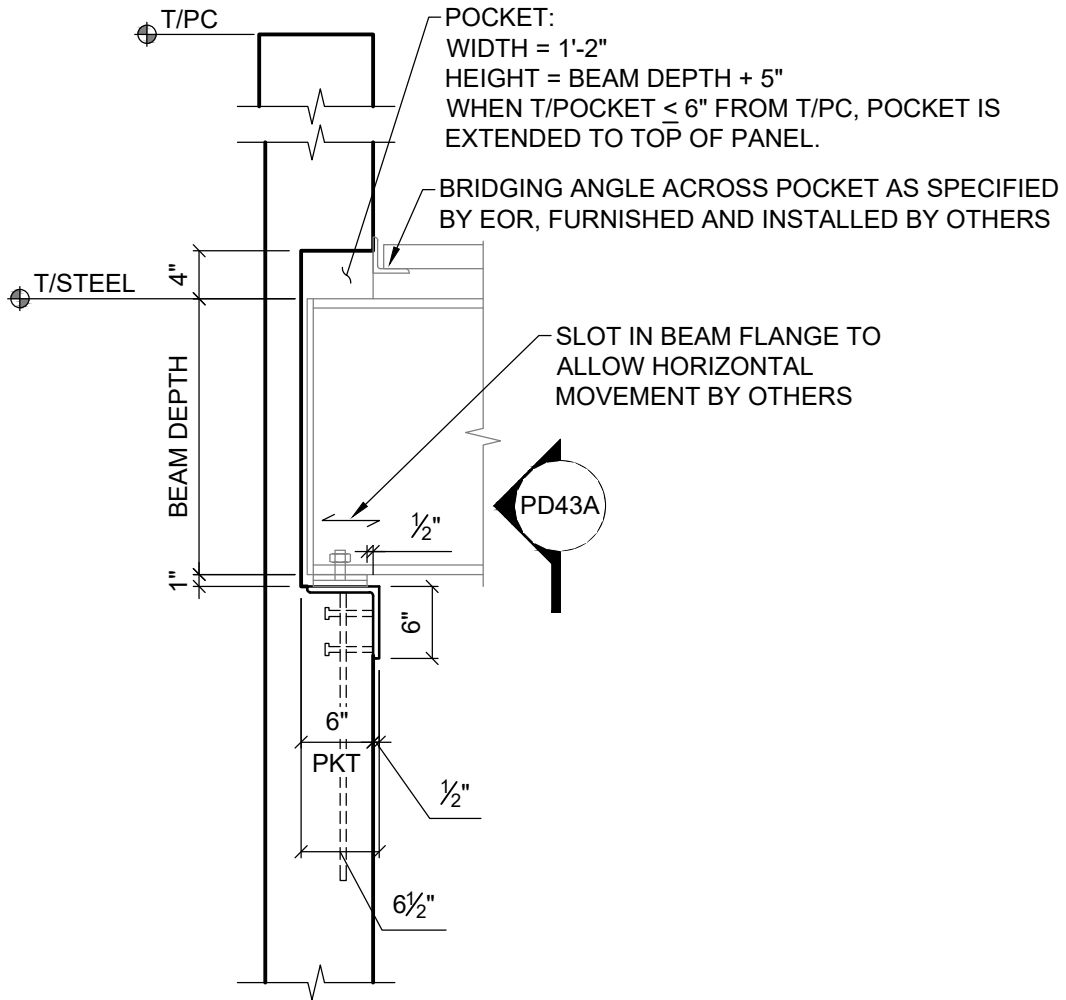
PD42 FLOOR TIE
SCALE: 3/4" = 1'-0"

DESIGN NOTES FOR AOR/EOR/GC:

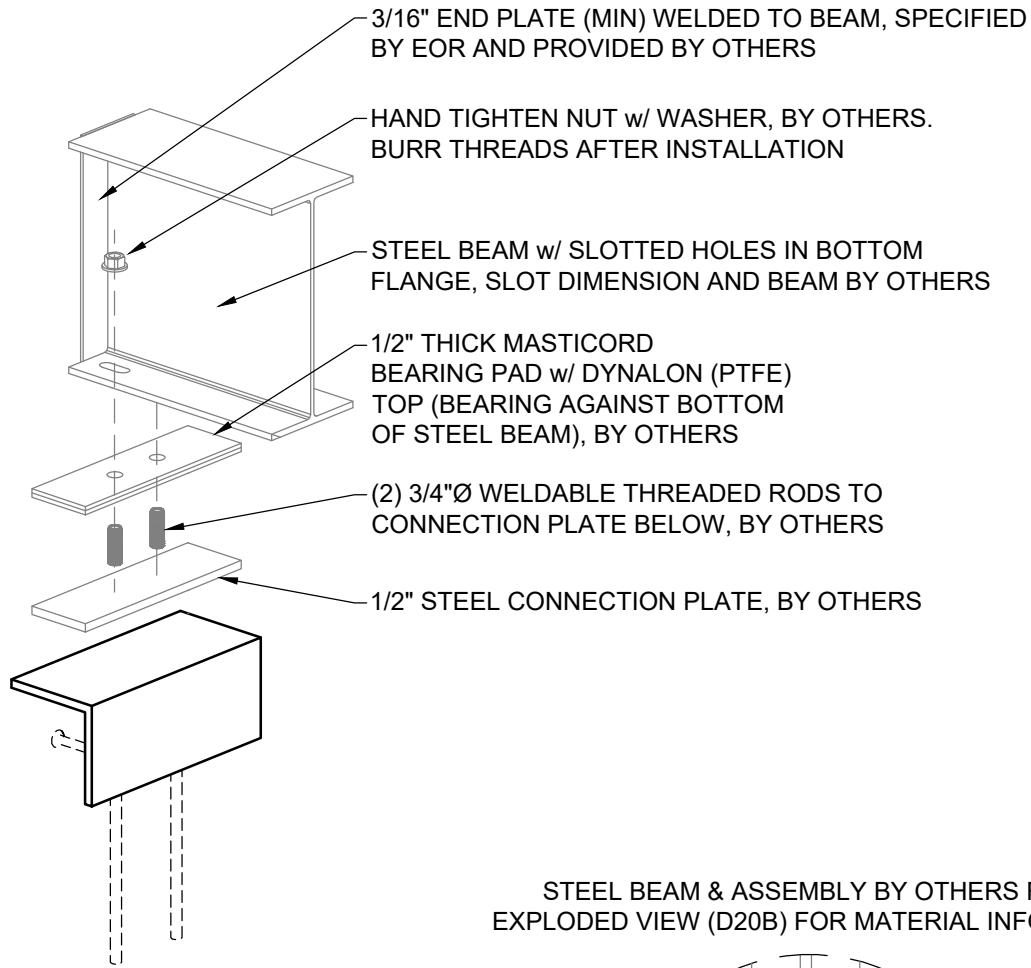
- AT LOCATIONS WHERE THE PANEL EXTENDS MORE THAN 3'-0" BELOW SLAB-ON-GRADE (SOG), ATMI PRECAST RELIES ON THE FLOOR TIE (COIL ROD INSERTS) TO BRACE PRECAST WALL PANELS TO THE SOG. THE LATERAL LOAD (FORCE) IMPARTED ON THE FLOOR MUST BE RESISTED BY THE SOG AND MUST BE TAKEN INTO ACCOUNT IN THE ANALYSIS/DESIGN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



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD42

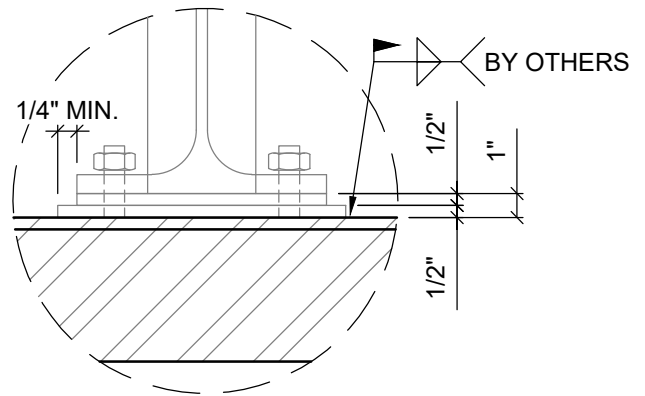


PD43 BEAM POCKET
 SCALE: 3/4" = 1'-0"



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

PD43B EXPLODED VIEW



PD43A ENLARGED DETAIL



TITLE: PARKING DECK DETAILS

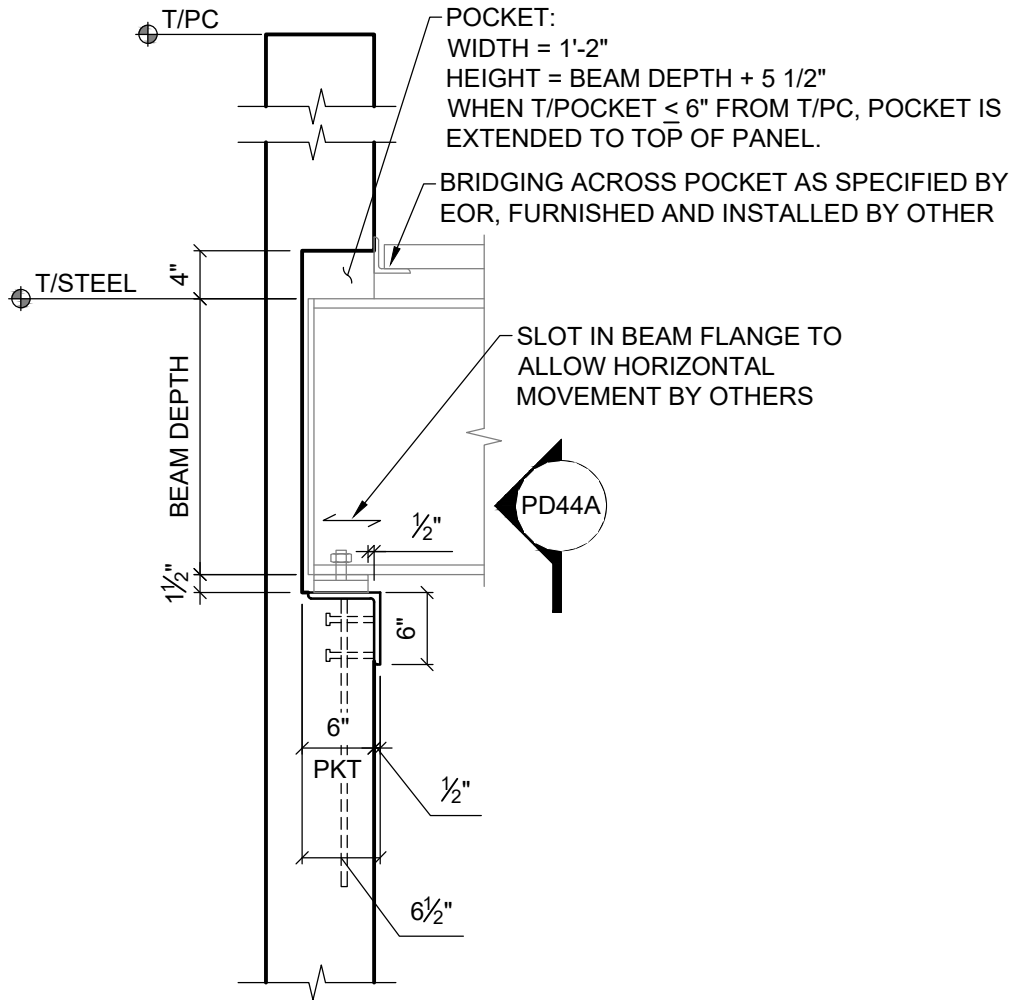
BY: ATMI

PROJECT: ATMI STANDARDS

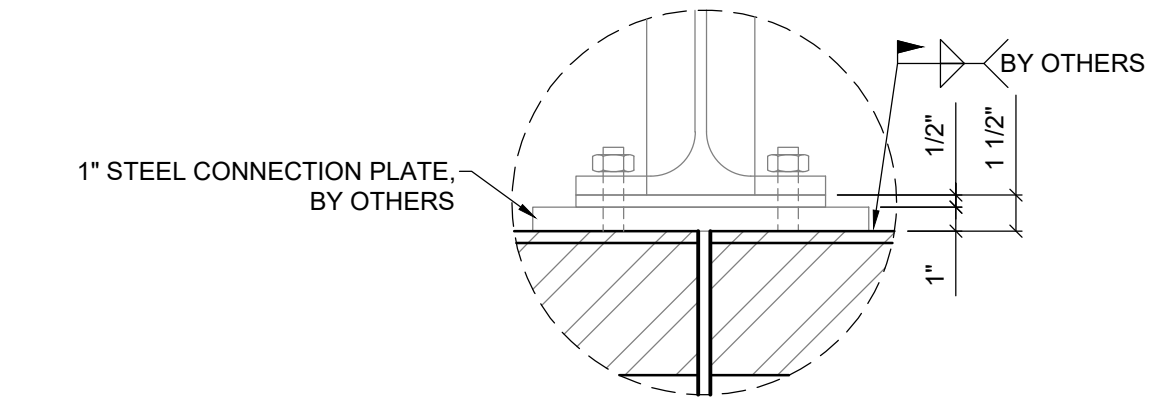
ISSUED: 09/29/2021

REVISED: 0

PD43AB



PD44
BEAM POCKET AT JOINT
 SCALE: 3/4" = 1'-0"

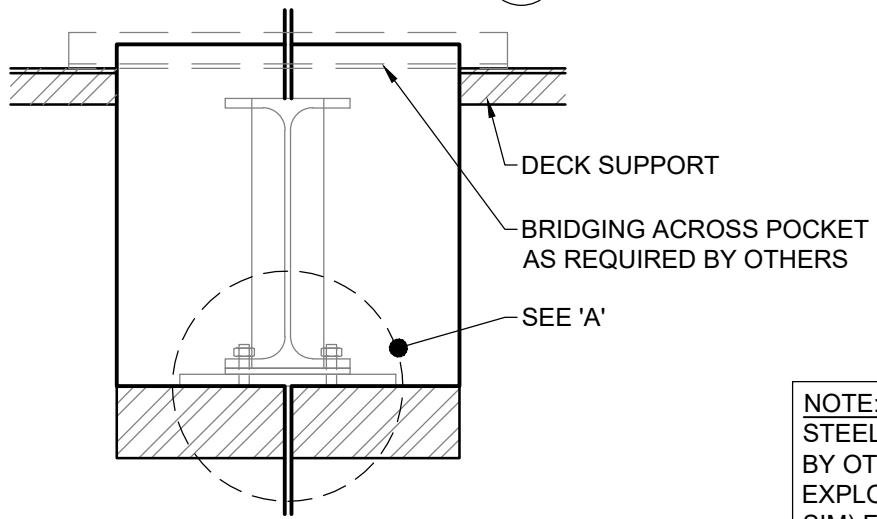


1" STEEL CONNECTION PLATE,
BY OTHERS

BY OTHERS

1/2"
1 1/2"
1"

A ENLARGED DETAIL



DECK SUPPORT

BRIDGING ACROSS POCKET
AS REQUIRED BY OTHERS

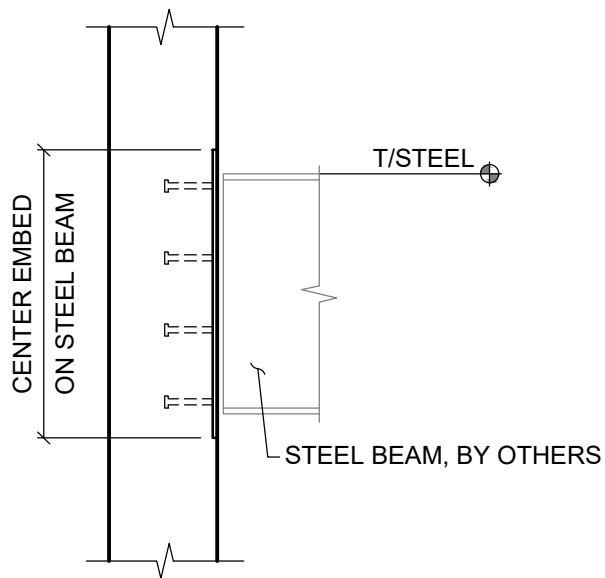
SEE 'A'

PD44A BEAM POCKET AT JOINT
SCALE: 3/4" = 1'-0"

NOTE:
STEEL BEAM & ASSEMBLY
BY OTHERS REFER TO
EXPLODED VIEWS (PD43B,
SIM) FOR MATERIALS
INFORMATION.



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD44A



PD45
BEARING EMBED
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

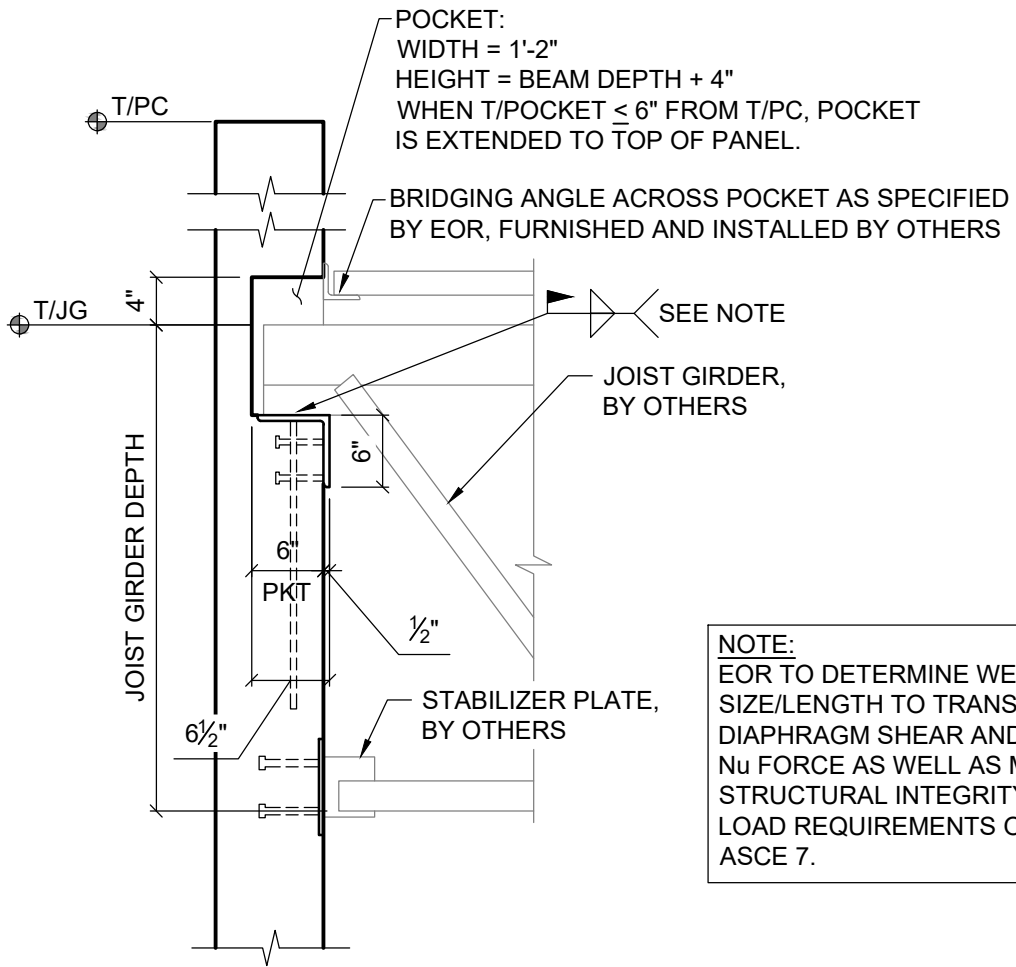
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: \triangle 0

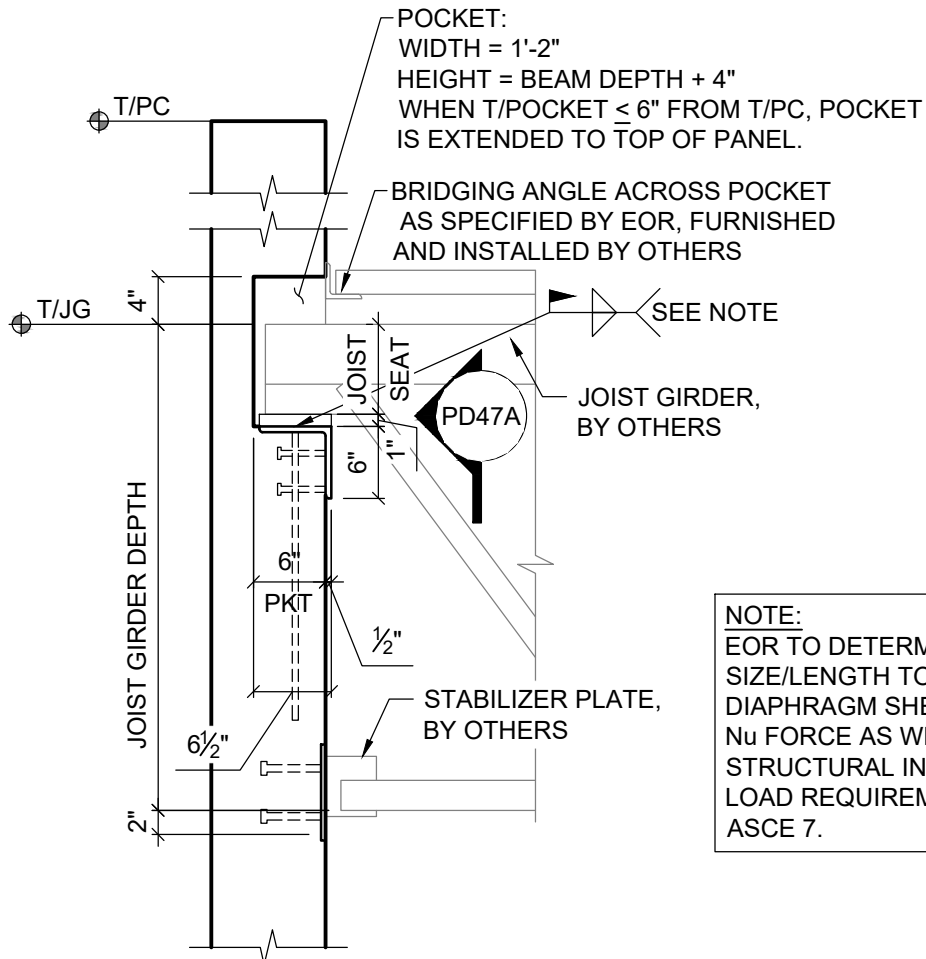
PD45



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.

JOIST GIRDER POCKET
 PD46 SCALE: 3/4" = 1'-0"

	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: \triangle 0	PD46



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

PD47

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



TITLE: PARKING DECK DETAILS

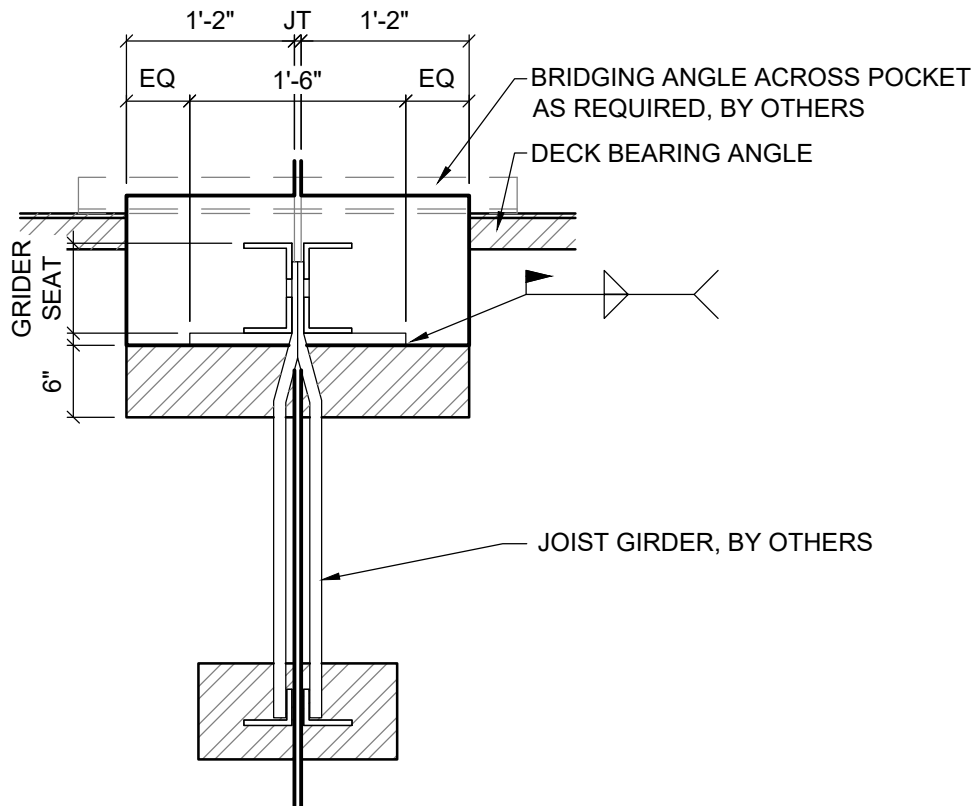
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD47



**JOIST GIRDER POCKET
AT PANEL JOINT**

PD47A

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

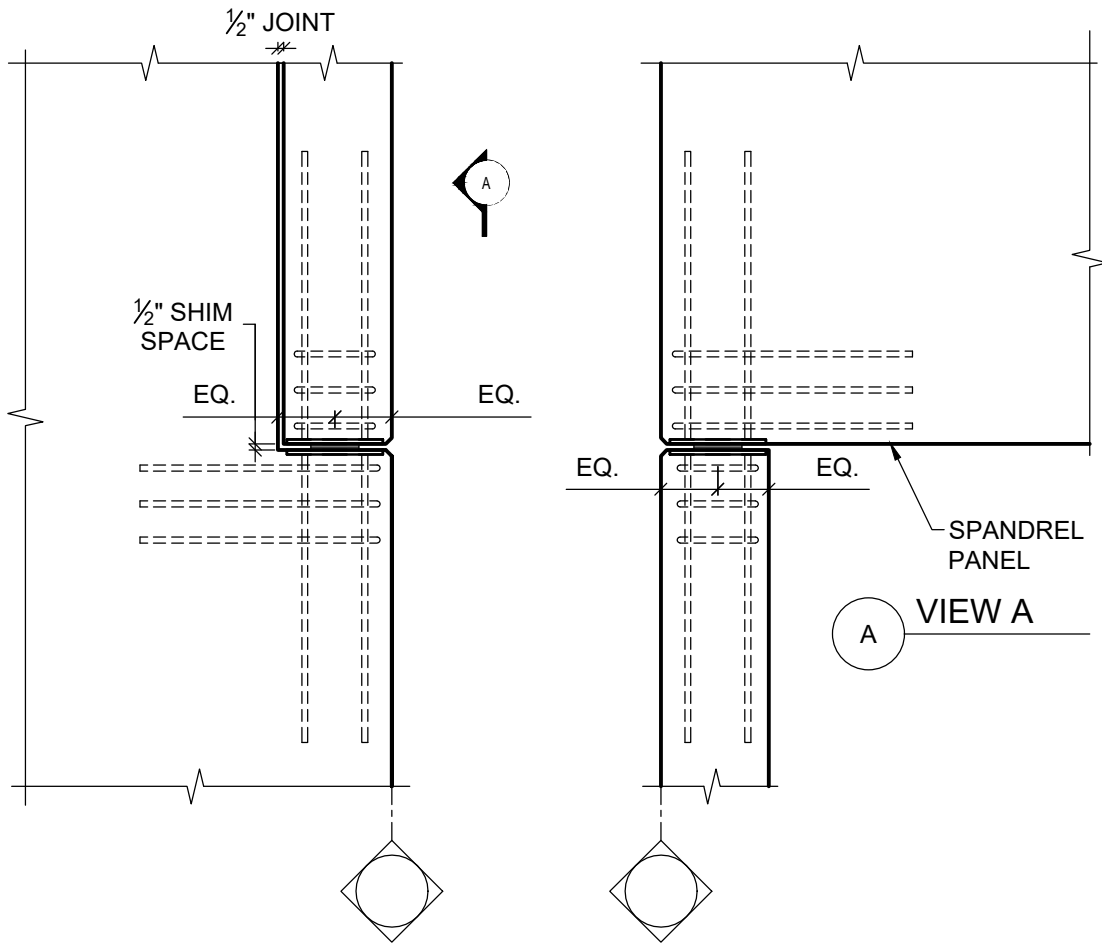
ISSUED:

09/29/2021

REVISED:

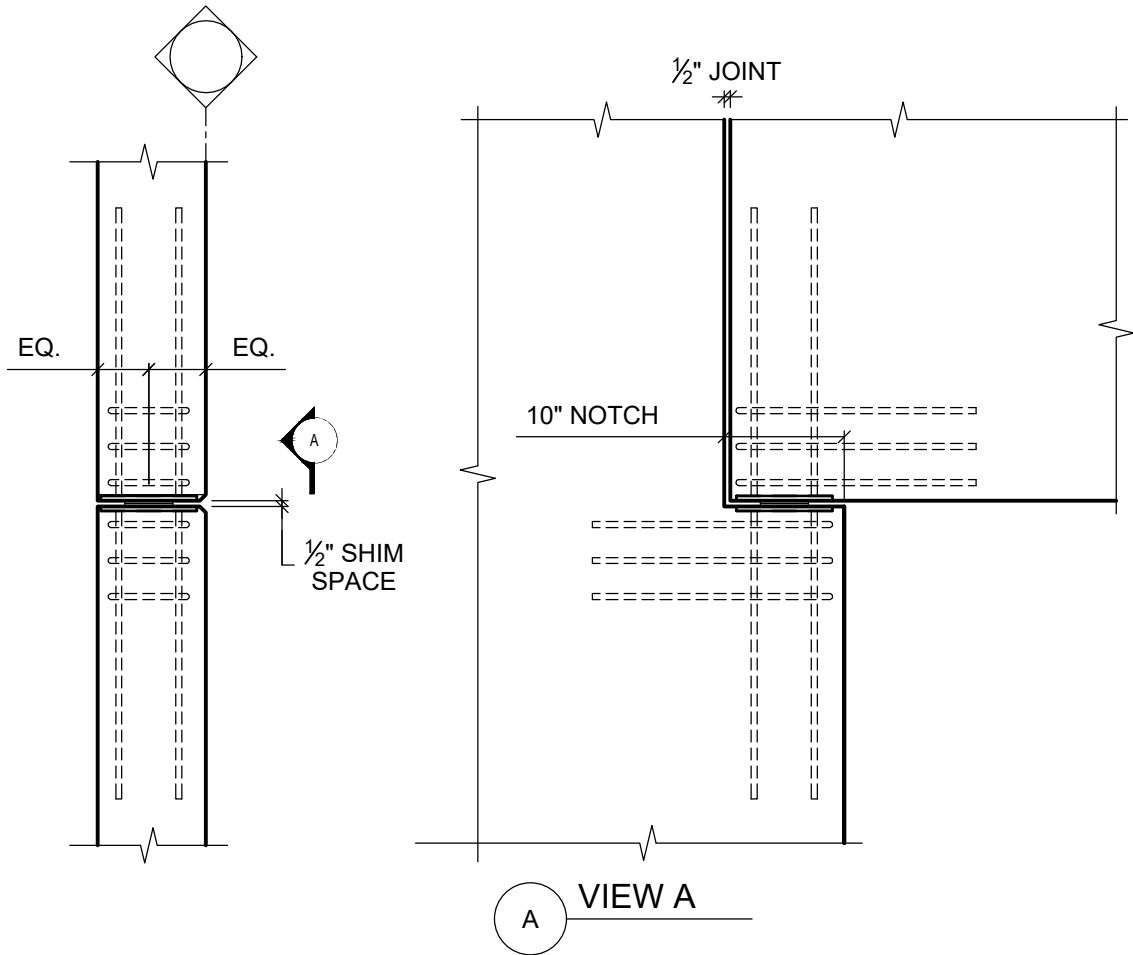
0

PD47A



PD48 PERPENDICULAR NOTCHED BEARING
 SCALE: 3/4" = 1'-0"

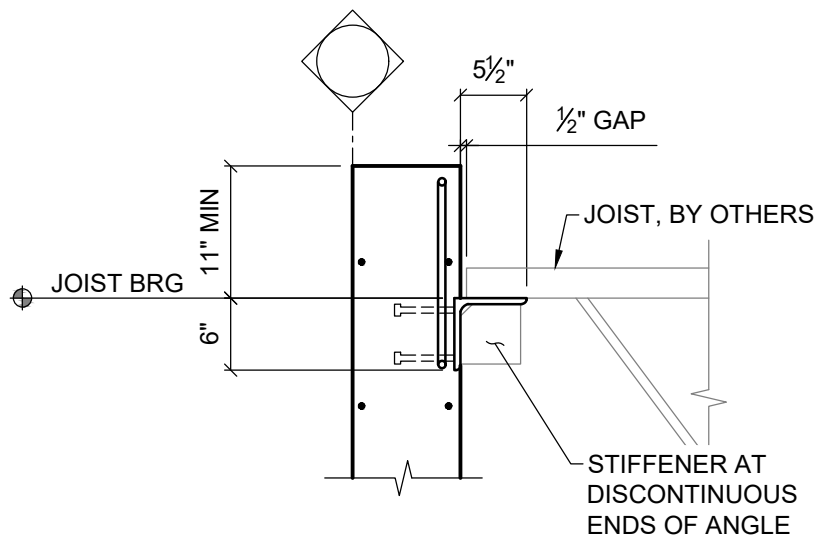
	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: 0	PD48



PD49
PARALLEL NOTCHED BEARING
 SCALE: 3/4" = 1'-0"

	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: 0	PD49

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



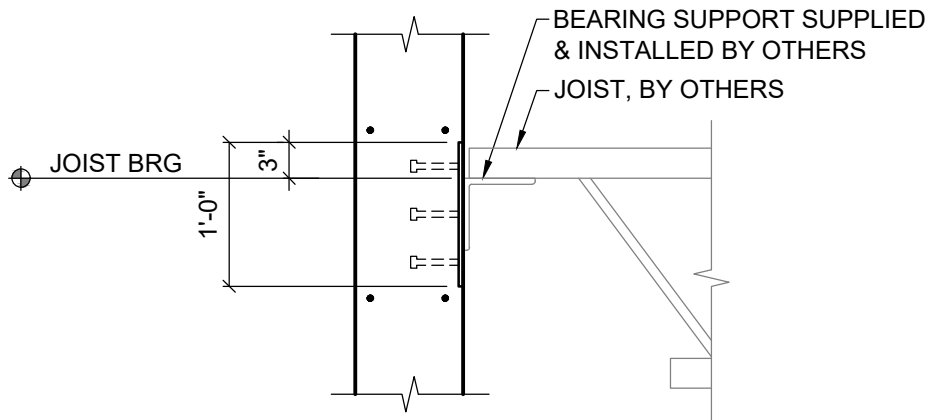
PD50 JOIST BEARING ANGLE
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD50

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.



PD51 BEARING EMBED
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

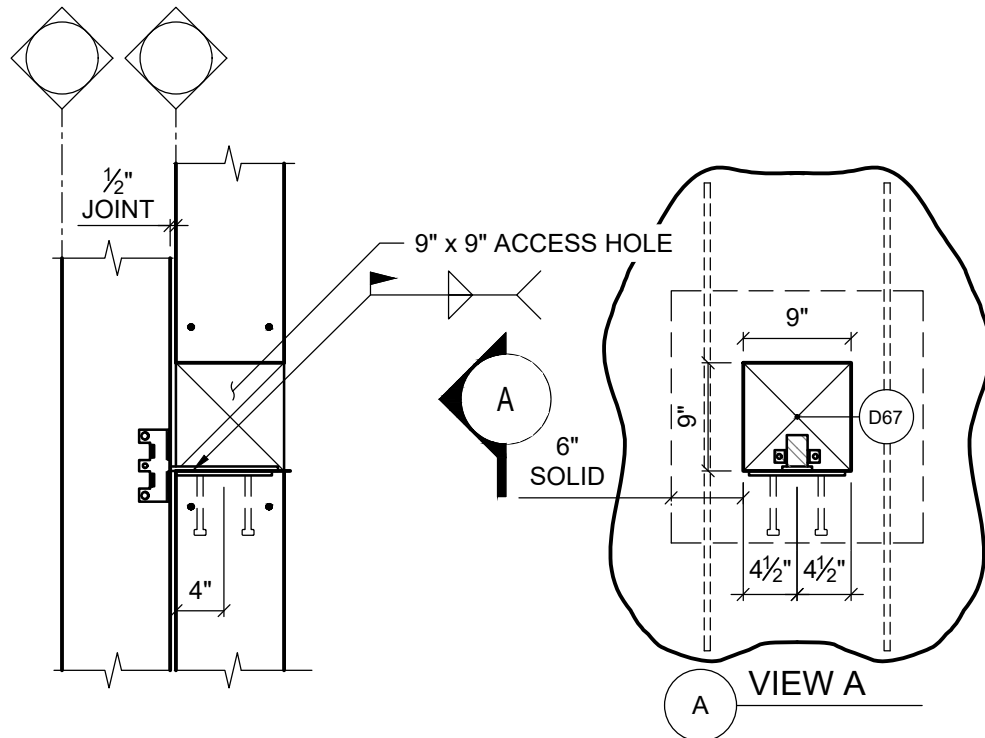
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

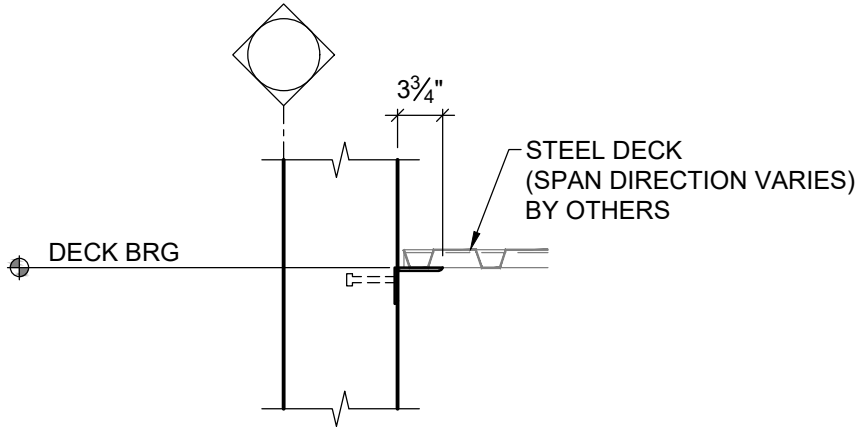
REVISED: 0

PD51



PD52 PANEL TO PANEL TIE BACK
SCALE: 3/4" = 1'-0"

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

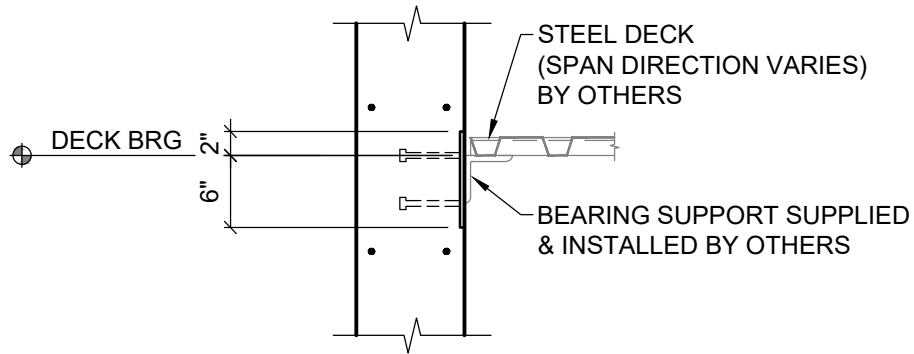


DECK BEARING
 AT EMBED ANGLE
 PD53
 SCALE: 3/4" = 1'-0"

	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: 0	PD53

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**

PD54

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



TITLE: PARKING DECK DETAILS

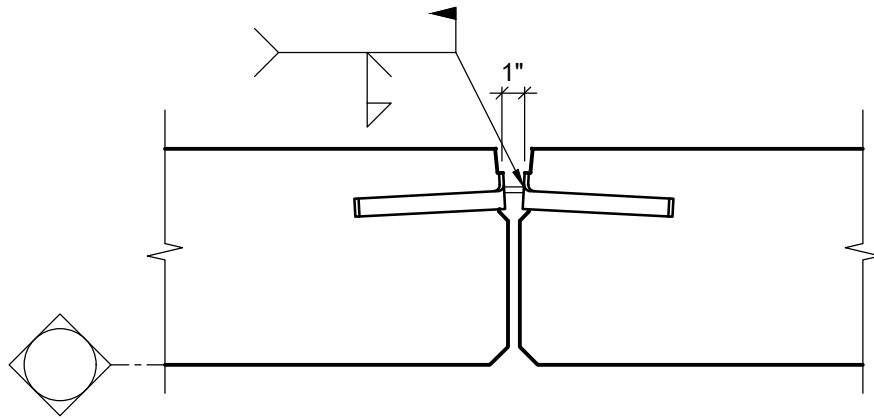
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD54



ALIGNMENT/SHEAR
CONNECTION

PD55

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



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED:

09/29/2021

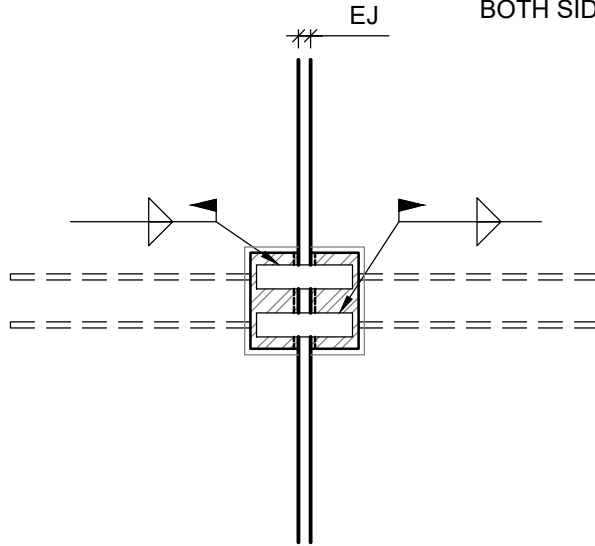
REVISED:

0

PD55

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

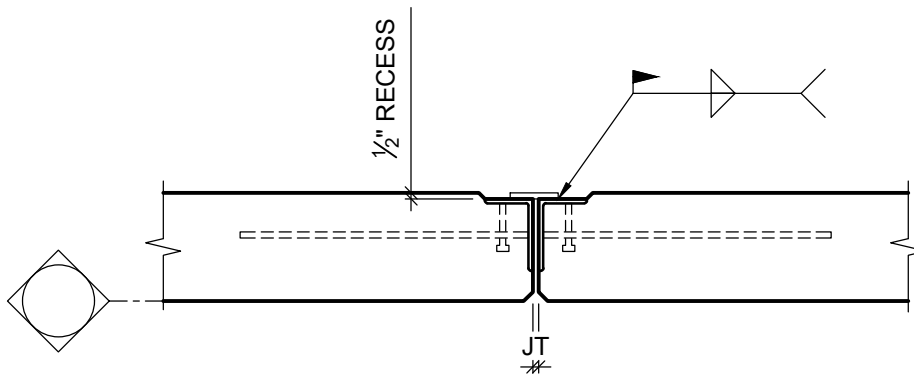
DO NOT WELD EITHER PLATE ON
BOTH SIDES OF THE JOINT.



EXPANSION JOINT
ALIGNMENT CONNECTION
PD56 SCALE: 3/4" = 1'-0"



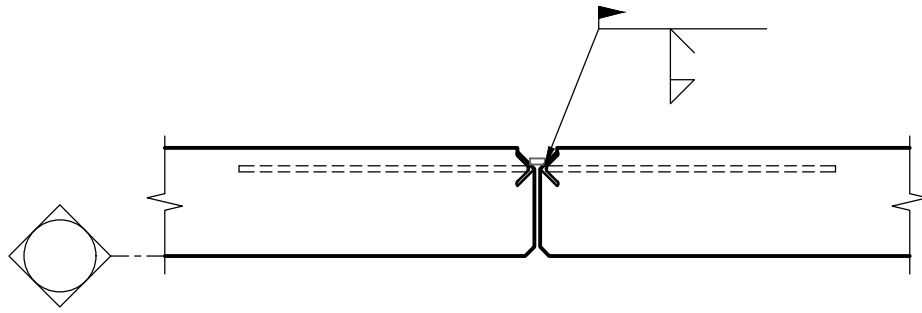
TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD56
ISSUED: 09/29/2021	



PD57
PANEL CONNECTION
 SCALE: 3/4" = 1'-0"



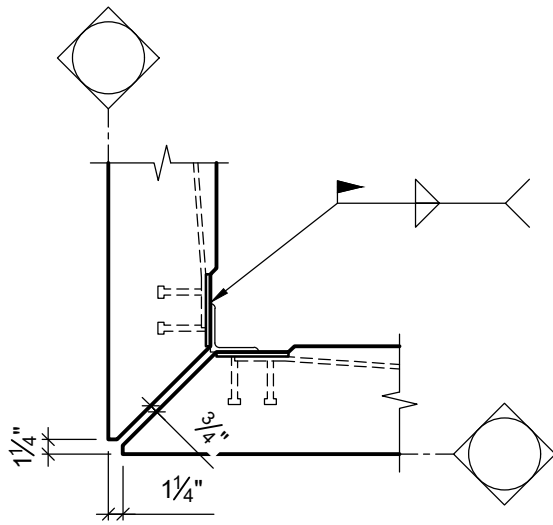
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD57



PD58
SHEAR CONNECTION
 SCALE: 3/4" = 1'-0"



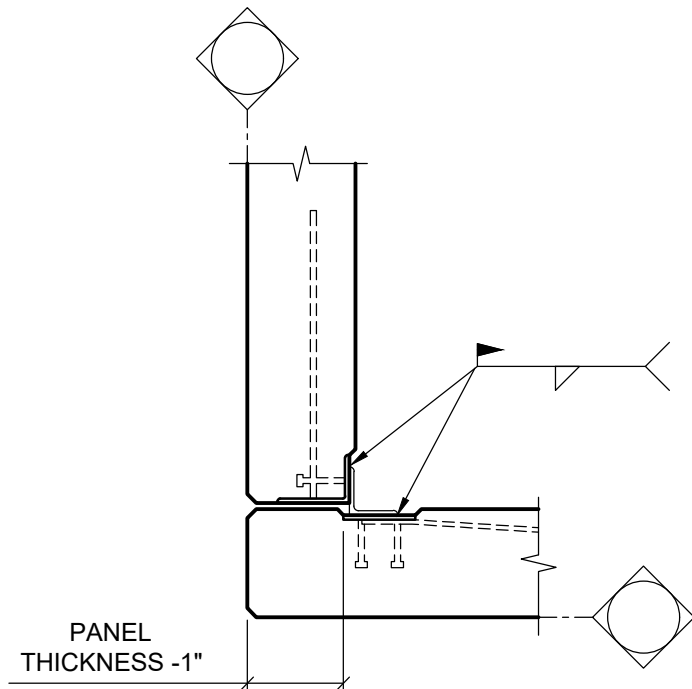
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD58
ISSUED: 09/29/2021	REVISED: 0	



PD59
MITER CORNER
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD59



PD60 OUTSIDE BUTT CORNER
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

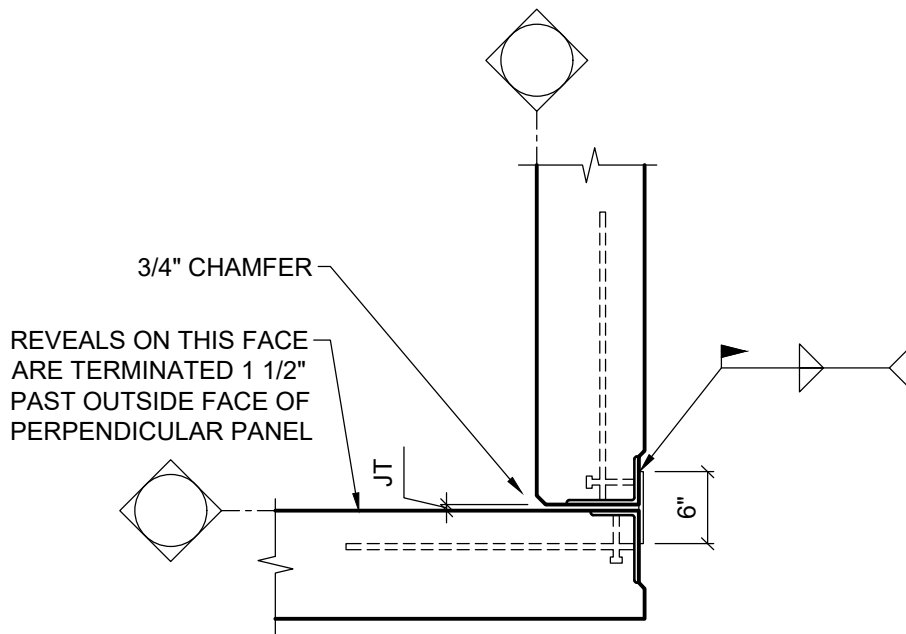
ISSUED:

09/29/2021

REVISED:

0

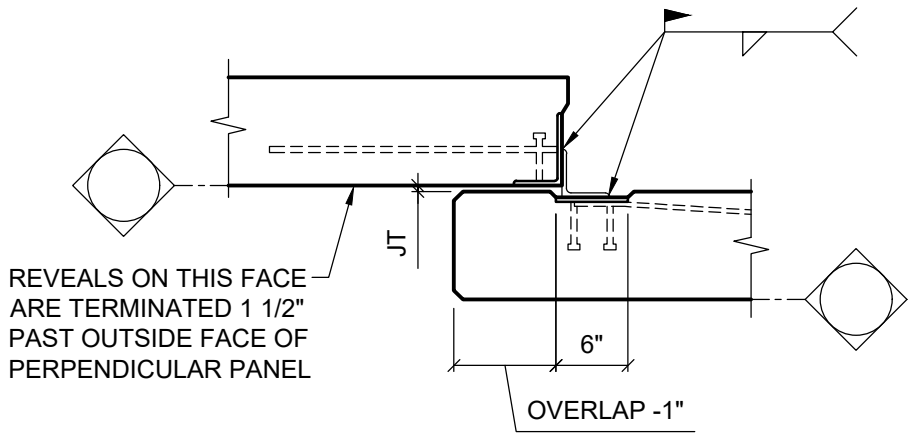
PD60



PD61
INSIDE BUTT CORNER
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD61



PD62 OVERLAP CORNER
SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

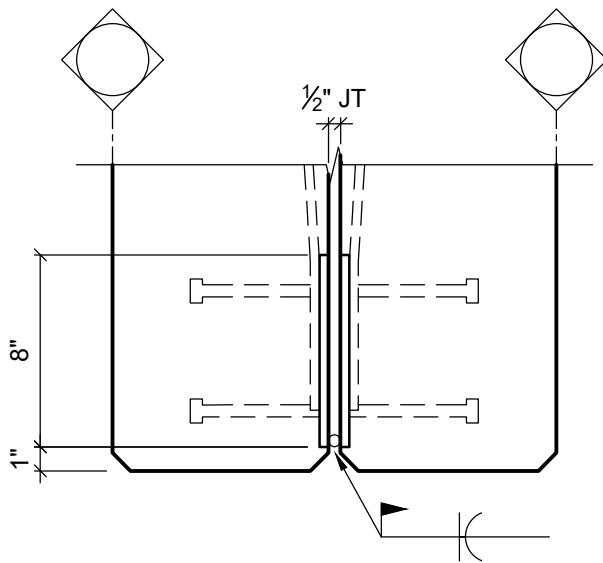
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: \triangle 0

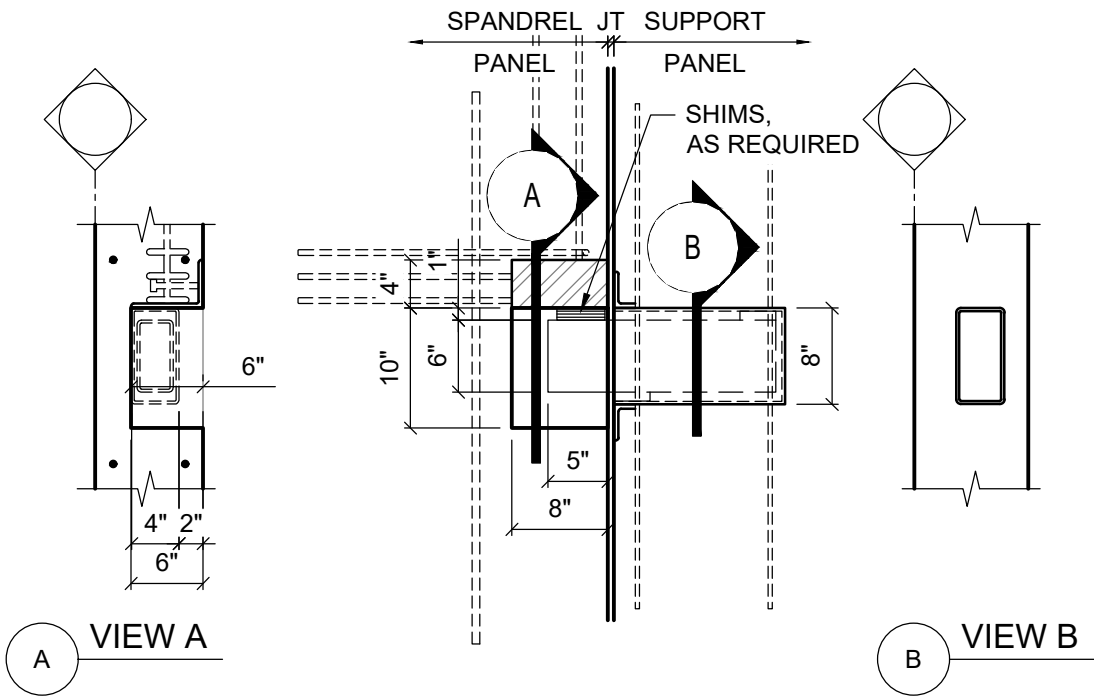
PD62



PD63
HIDDEN PANEL CONNECTION
 SCALE: 1 1/2" = 1'-0"



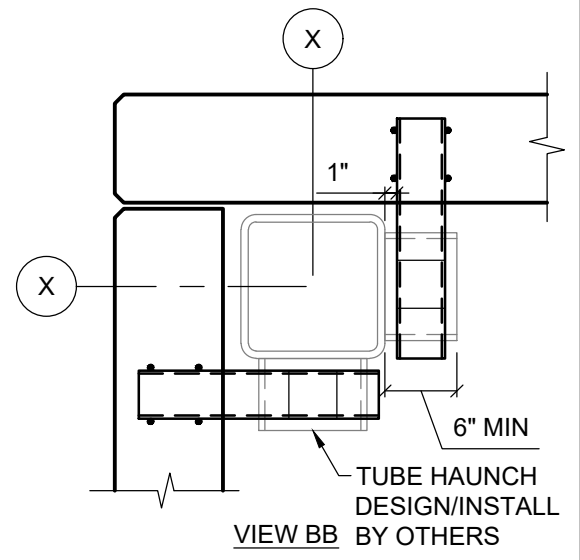
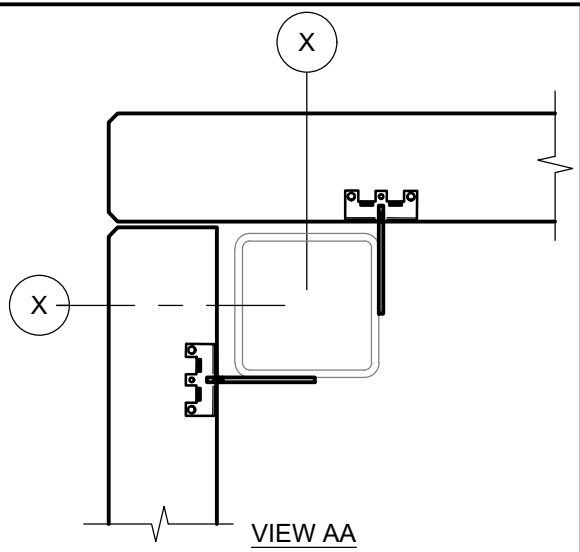
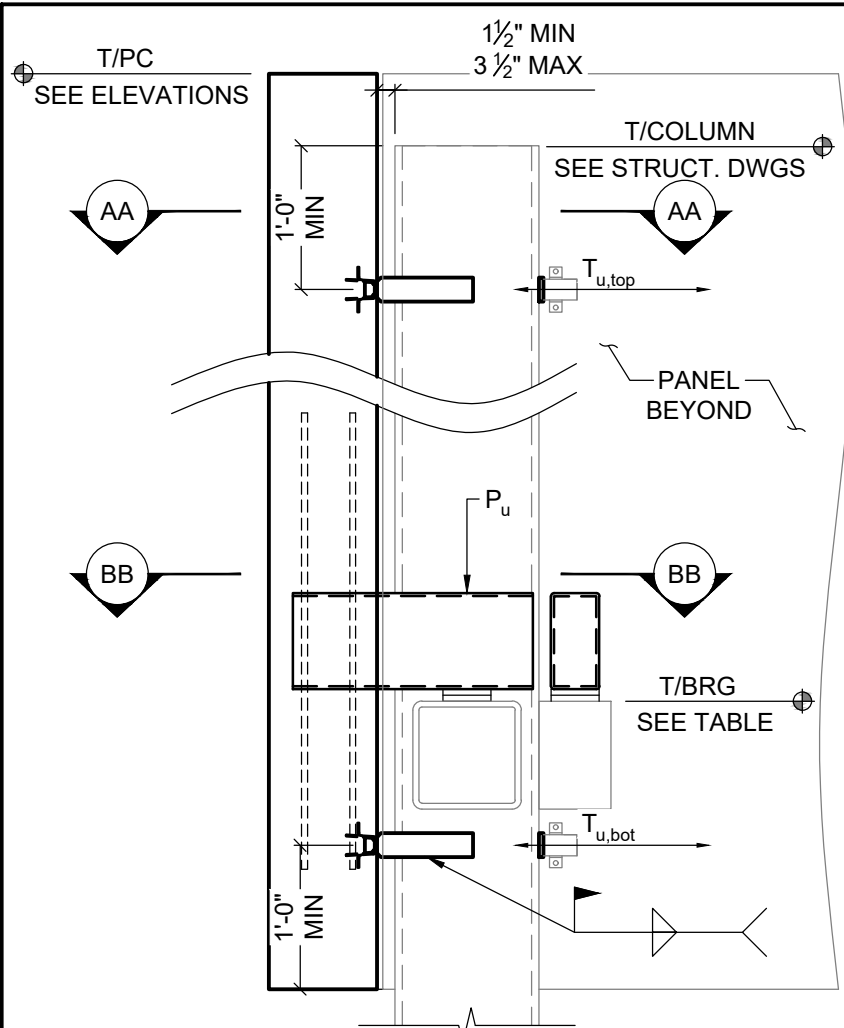
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD63



PD64
SPANDREL SUPPORT
 SCALE: 3/4" = 1'-0"



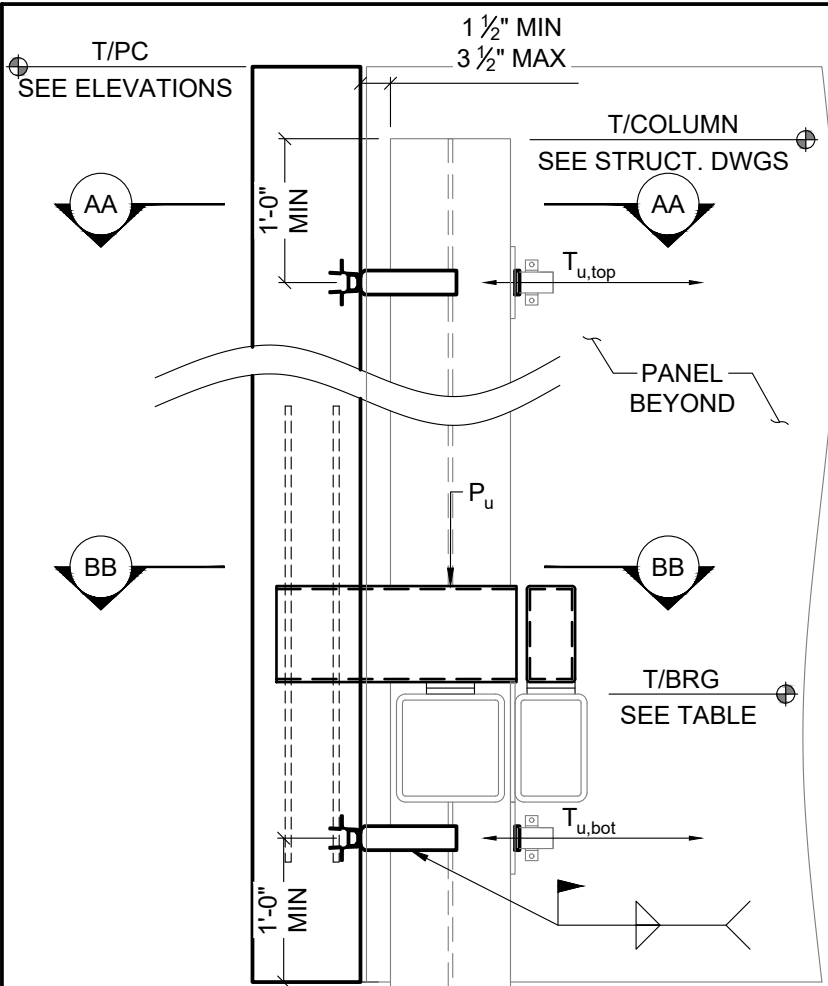
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD64
ISSUED: 09/29/2021	REVISED: 0	



PD65A
SPANDREL TO STEEL COL.
 SCALE: 3/4" = 1'-0"

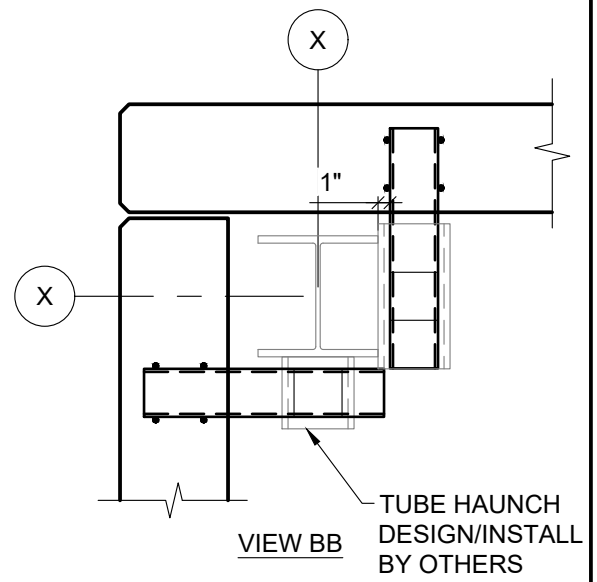
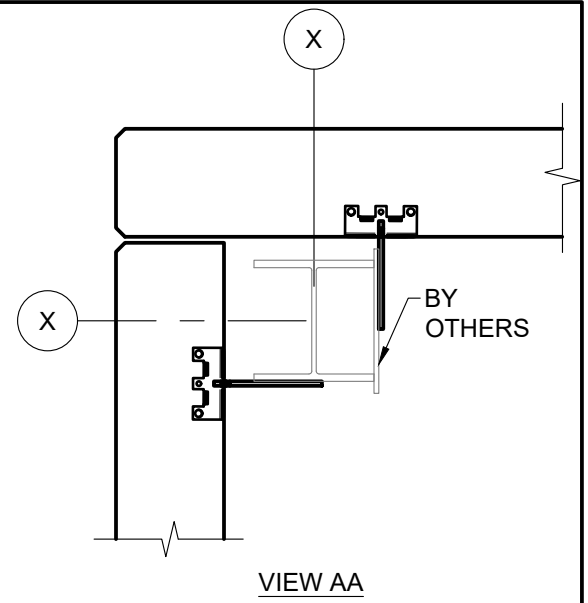
LOADS IMPOSED BY PRECAST TO
 STRUCTURAL STEEL TO BE PROVIDED ON
 SHOP DRAWINGS FOR DESIGN AND
 COORDINATION BY GC/EOR.

	TITLE: PARKING DECK DETAILS	BY: ATMI
	PROJECT: ATMI STANDARDS	
	ISSUED: 09/29/2021	REVISED: 0
		PD65A

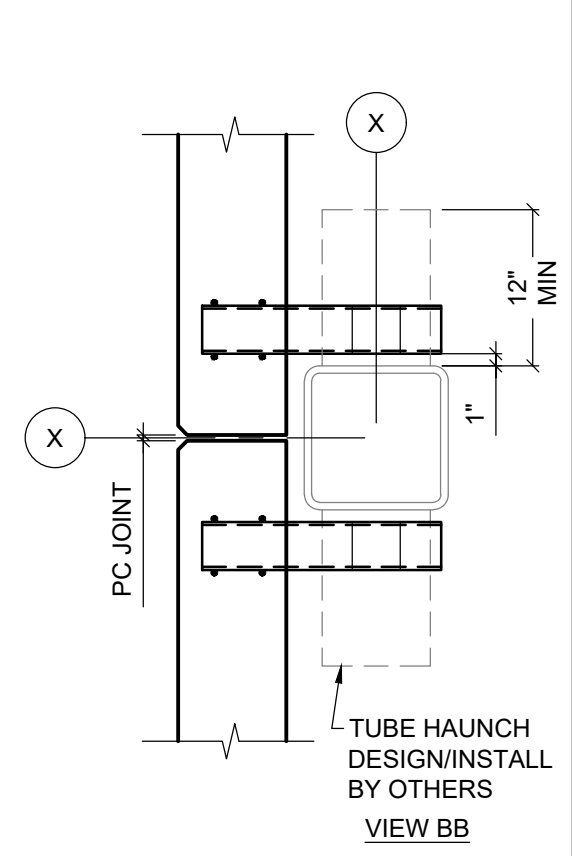
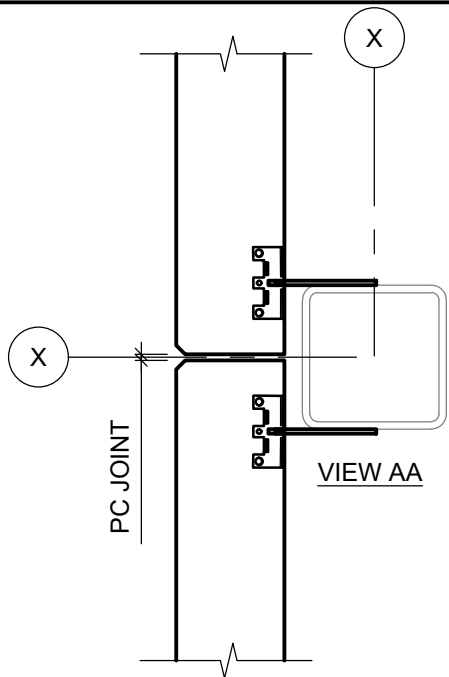
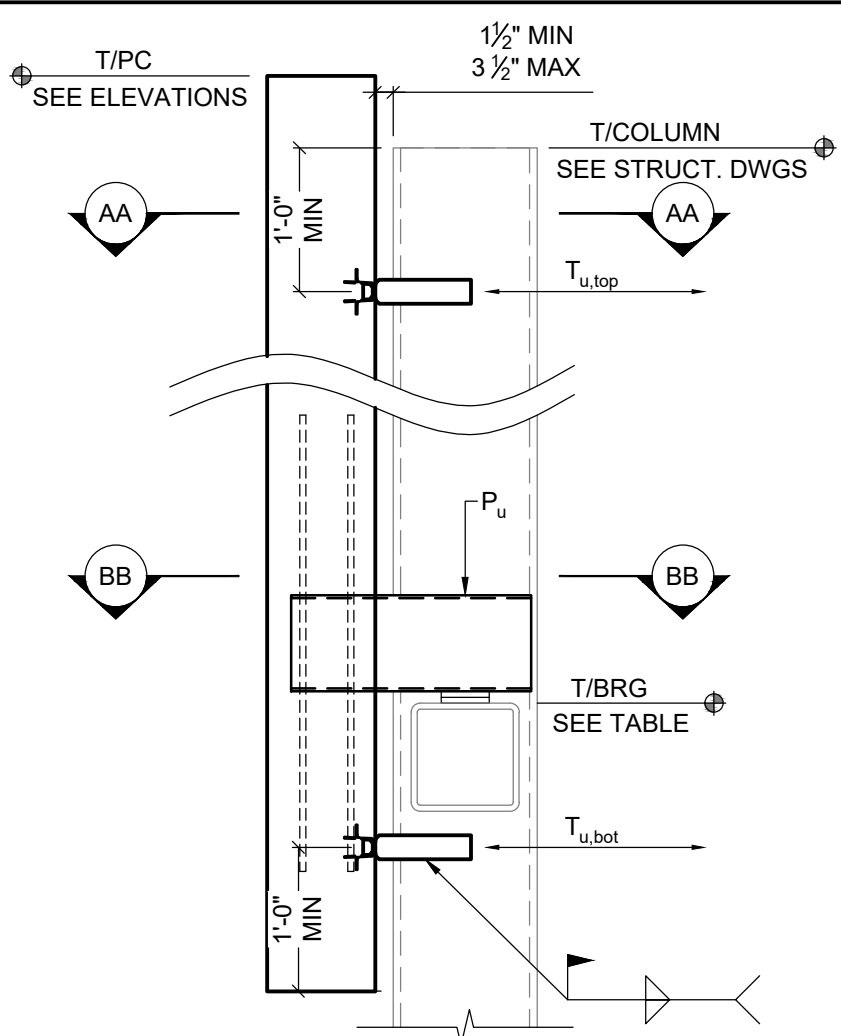


PD65B
SPANDREL TO STEEL COL.
 SCALE: 3/4" = 1'-0"

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



	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: 0	PD65B

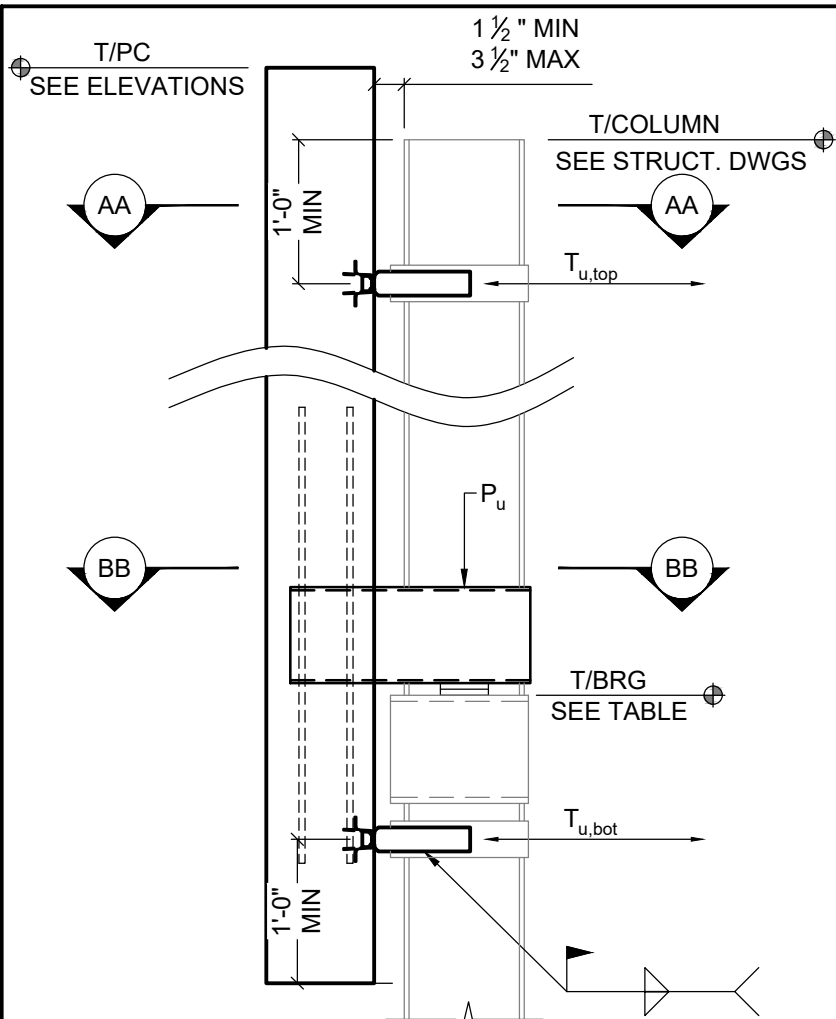


PD66A SPANDREL TO COL.-JOINT
SCALE: 3/4" = 1'-0"

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

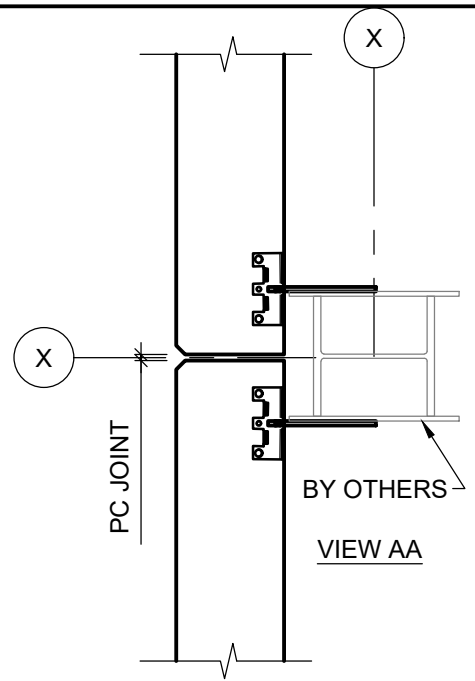


TITLE: PARKING DECK DETAILS	BY: ATMI
PROJECT: ATMI STANDARDS	PD66A
ISSUED: 09/29/2021	

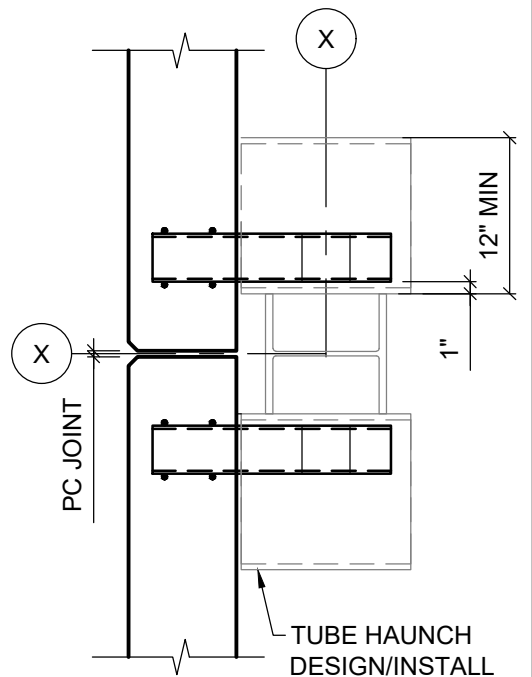


SPANDREL TO COL.-JOINT
 PD66B SCALE: 3/4" = 1'-0"

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



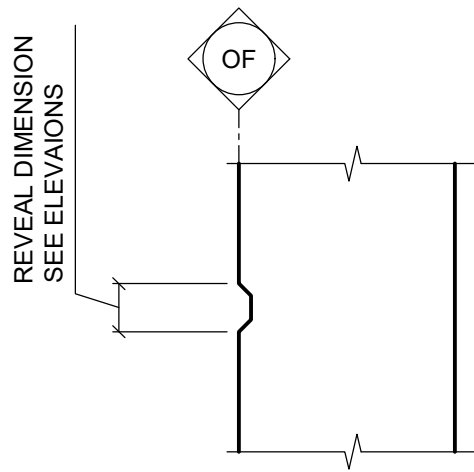
VIEW AA



VIEW BB



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD66B



PD67
VERTICAL/HORIZONTAL REVEAL
 SCALE: 1 1/2" = 1'-0"



TITLE: PARKING DECK DETAILS

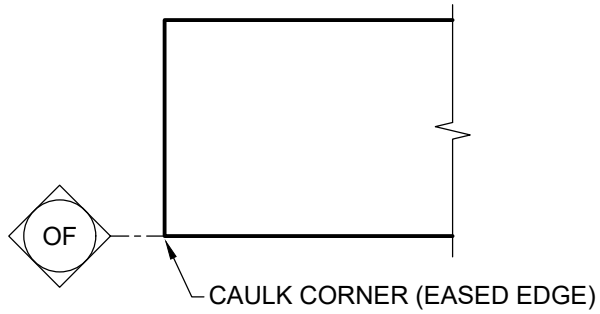
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

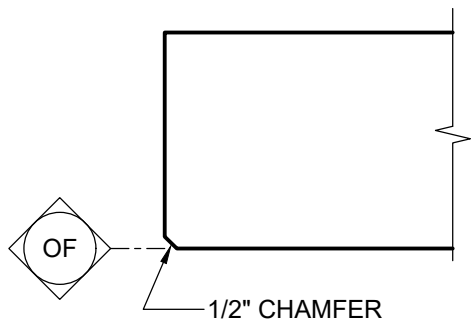
PD67



PD68
CAULK CORNER
 SCALE: 1 1/2" = 1'-0"

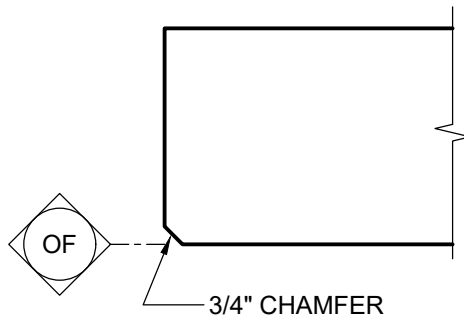


TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD68



PD69
1/2" EDGE CHAMFER
 SCALE: 1 1/2" = 1'-0"

	TITLE: PARKING DECK DETAILS	BY: ATMI
	PROJECT: ATMI STANDARDS	
	ISSUED: 09/29/2021	REVISED: 0
		PD69



PD70
3/4" EDGE CHAMFER
 SCALE: 1 1/2" = 1'-0"



TITLE: PARKING DECK DETAILS

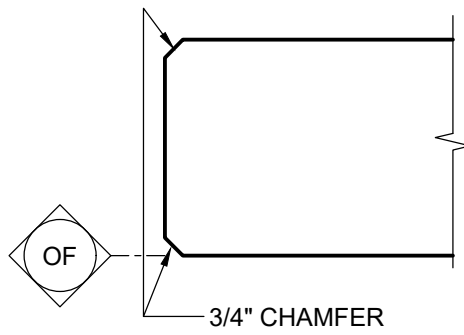
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

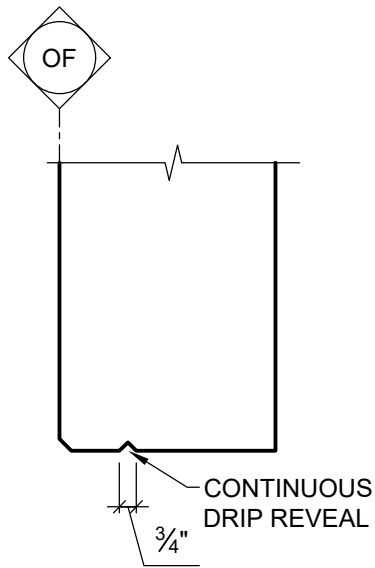
PD70



PD71
3/4" EDGE CHAMFER ON EACH FACE
 SCALE: 1 1/2" = 1'-0"



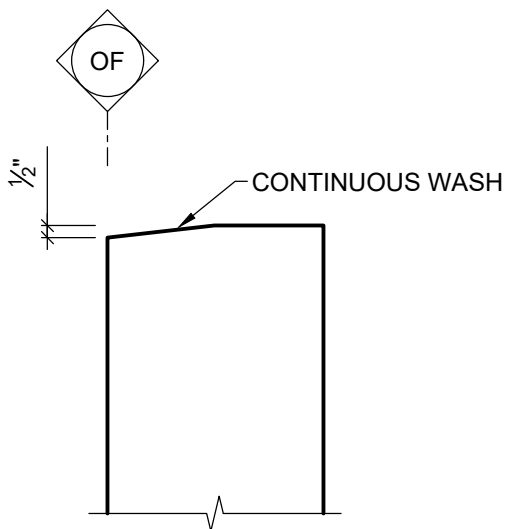
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD71
ISSUED: 09/29/2021	REVISED: 0	



PD72
DRIP REVEAL
 SCALE: 1 1/2" = 1'-0"



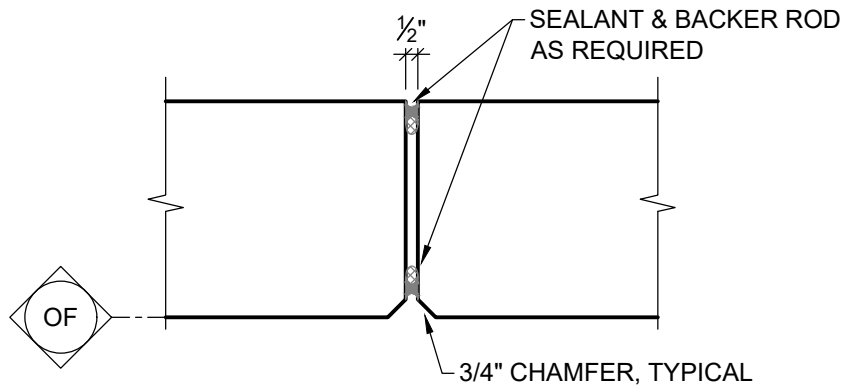
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD72
ISSUED: 09/29/2021	REVISED: 0	



PD73
SILL WASH
 SCALE: 1 1/2" = 1'-0"



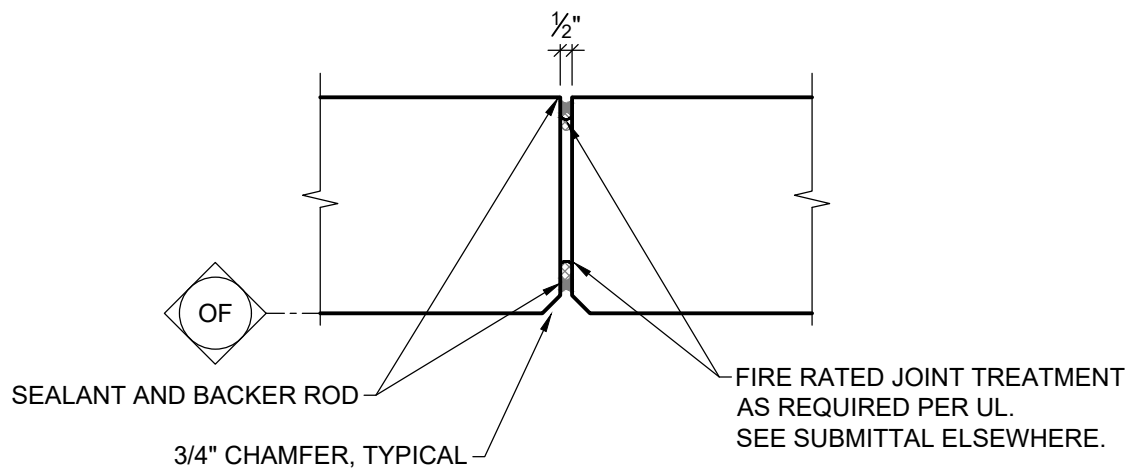
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD73



PD74
PANEL JOINT
 SCALE: 1 1/2" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD74



PD75
FIRE RATED PANEL JOINT
 SCALE: 1 1/2" = 1'-0"



TITLE: PARKING DECK DETAILS

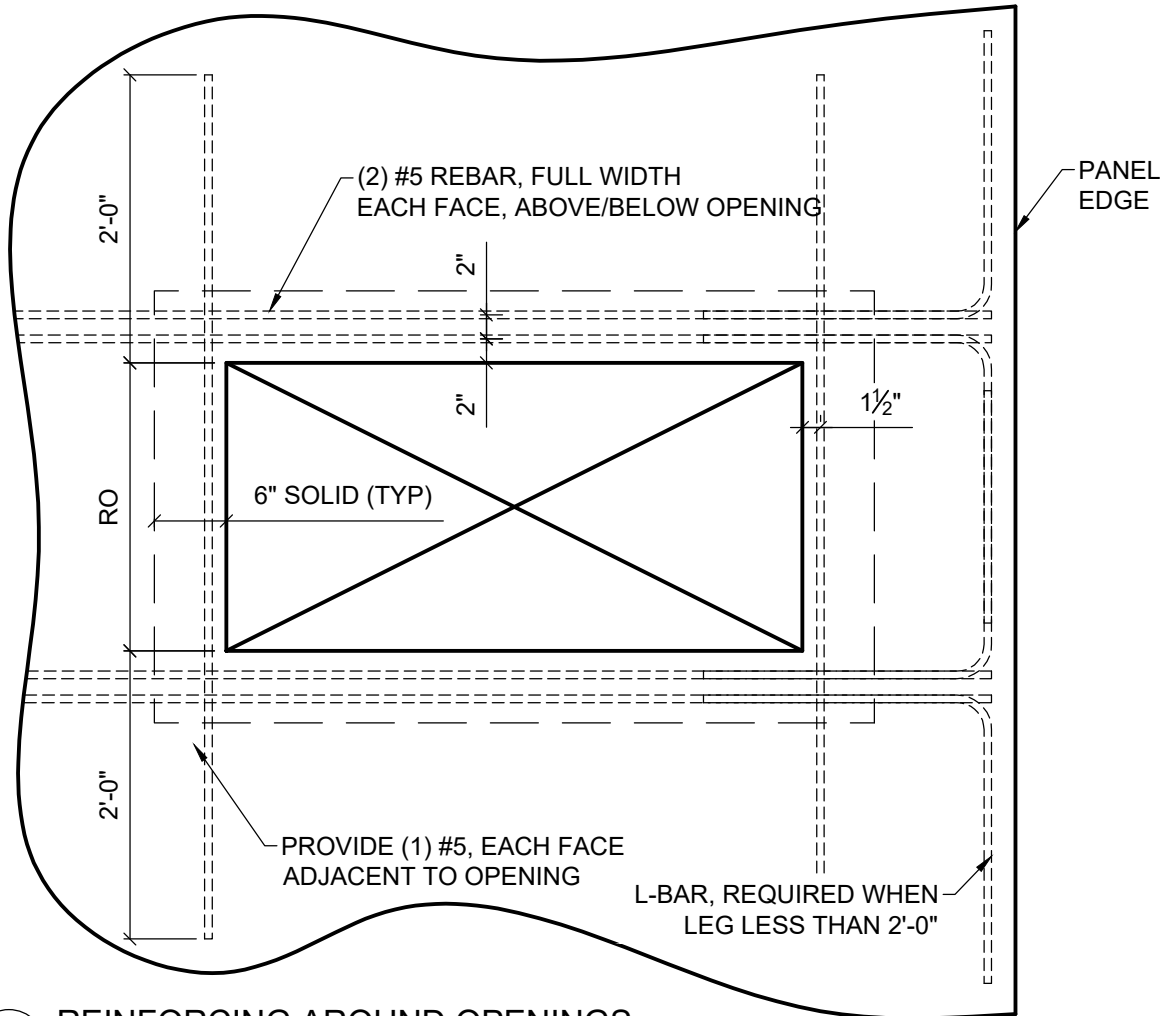
BY: ATMI

PROJECT: ATMI STANDARDS

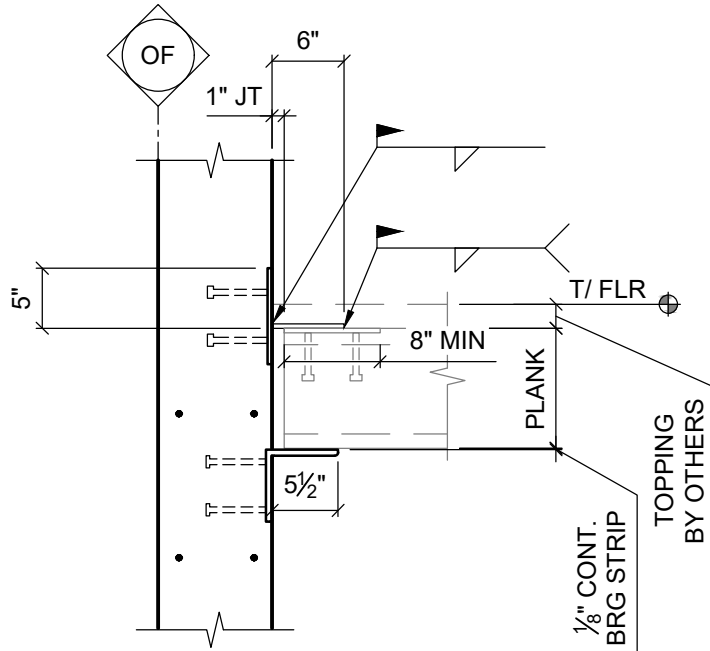
ISSUED: 09/29/2021

REVISED: 0

PD75



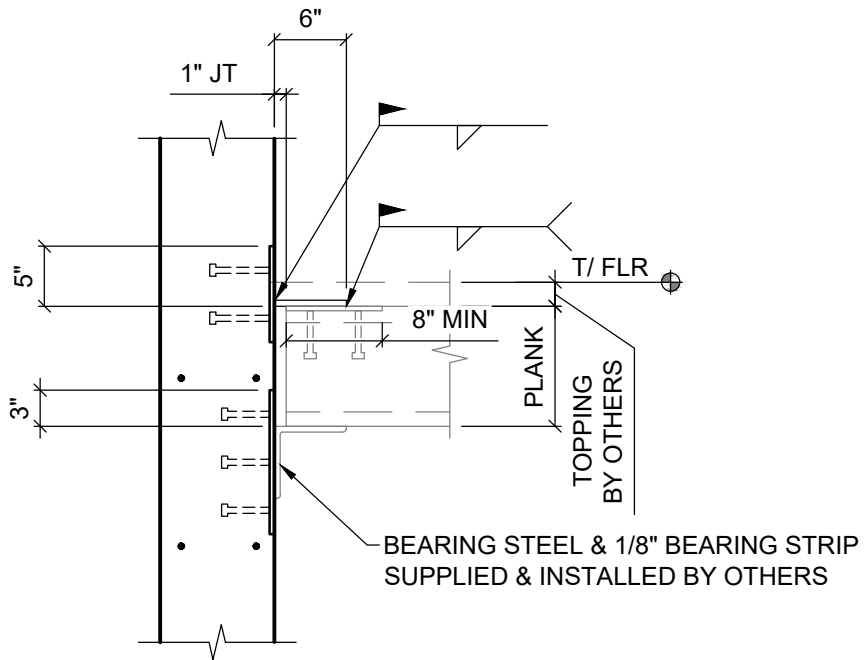
D76 REINFORCING AROUND OPENINGS
SCALE: 3/4" = 1'-0"



PD77
PLANK BEARING ANGLE
 SCALE: 3/4" = 1'-0"

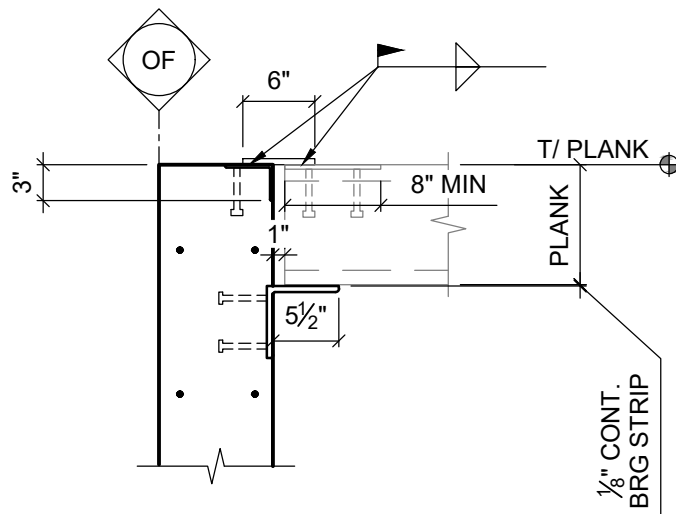


TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD77
ISSUED: 09/29/2021	REVISED: 0	



PD78
PLANK BEARING EMBED
 SCALE: 3/4" = 1'-0"

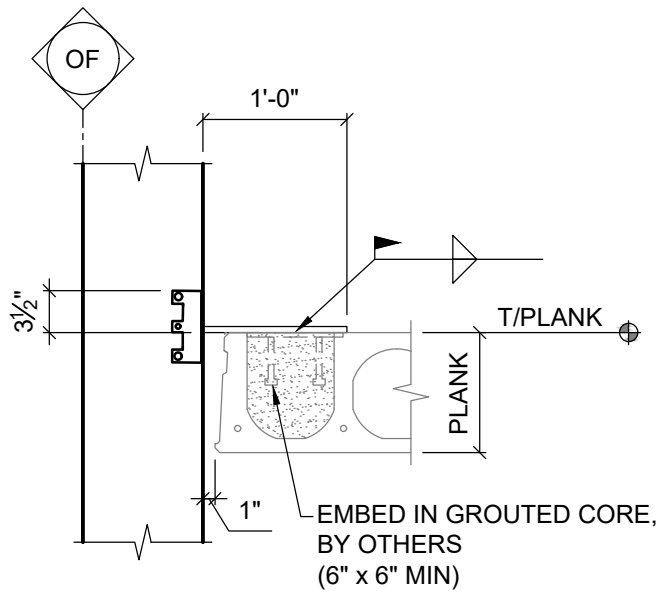
	TITLE: PARKING DECK DETAILS		BY: ATMI
	PROJECT: ATMI STANDARDS		
	ISSUED: 09/29/2021	REVISED: 0	PD78



PD79
PLANK BEARING T/PRECAST
 SCALE: 3/4" = 1'-0"



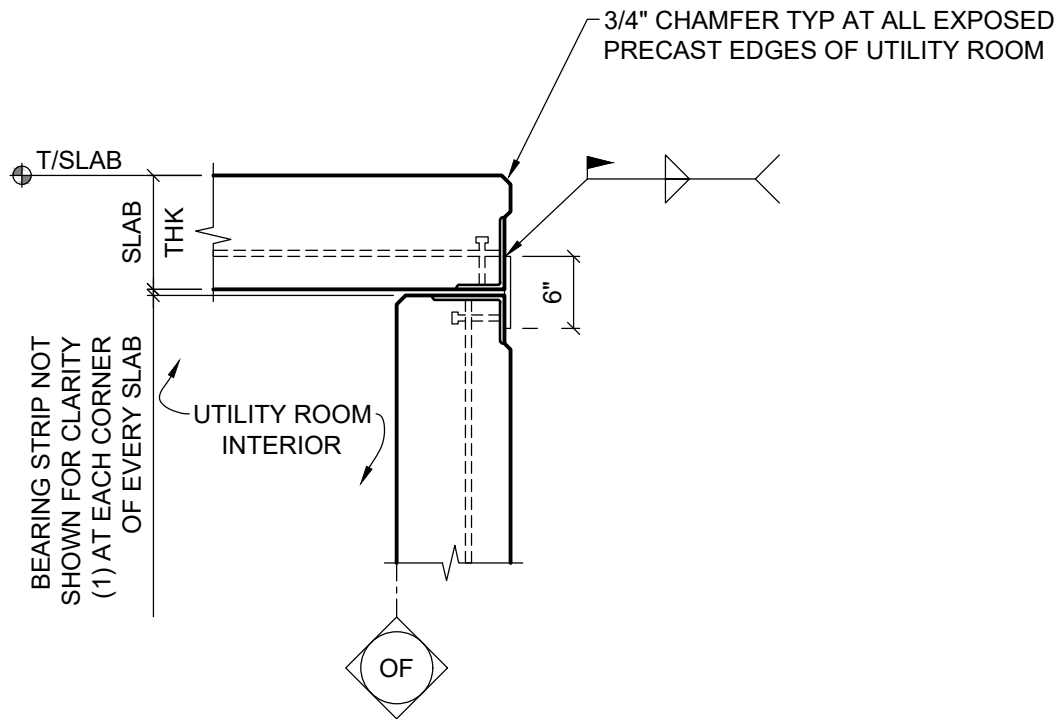
TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: 0	PD79



PD80
PLANK NON-BEARING
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		PD80
ISSUED: 09/29/2021	REVISED: 0	



PD81
UTILITY ROOM SLAB BEARING
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS

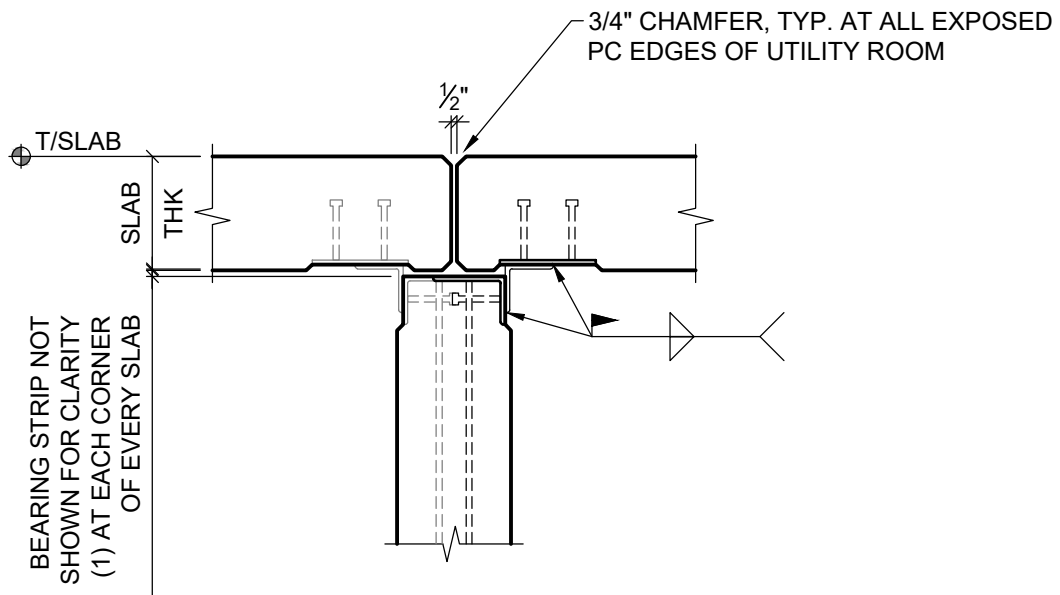
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD81



INSIDE BEARING
UTILITY ROOM

PD82

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

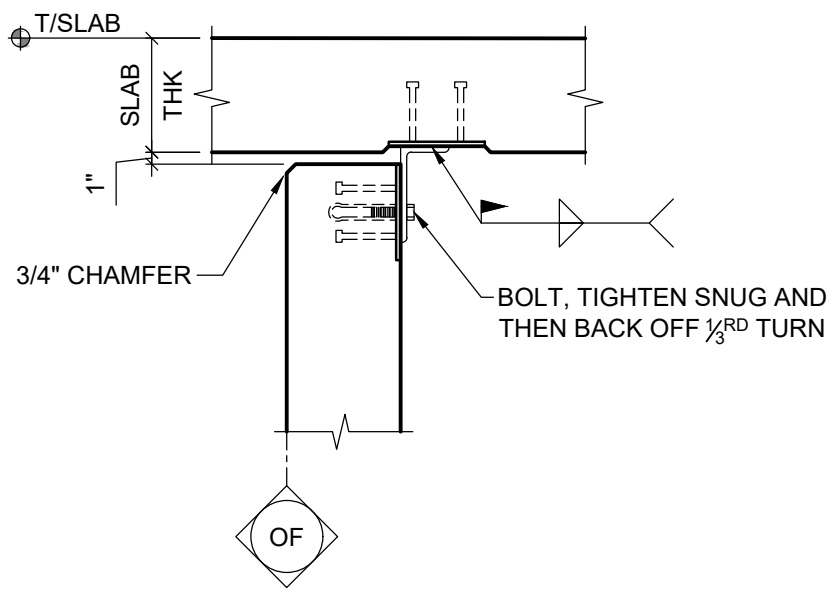
ISSUED:

09/29/2021

REVISED:

0

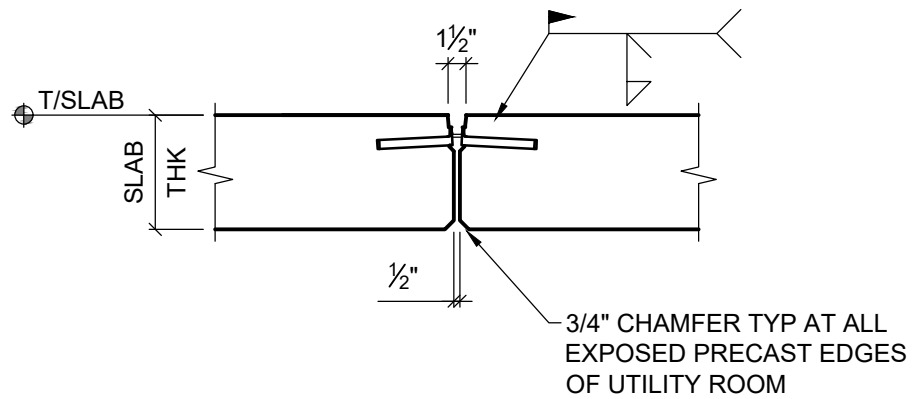
PD82



PD83
NON-BEARING UTILITY ROOM
 SCALE: 3/4" = 1'-0"



TITLE: PARKING DECK DETAILS		BY: ATMI
PROJECT: ATMI STANDARDS		
ISSUED: 09/29/2021	REVISED: \triangle 0	PD83



UTILITY ROOM SLAB TO SLAB
INTERMITTENT CONNECTION

PD84

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

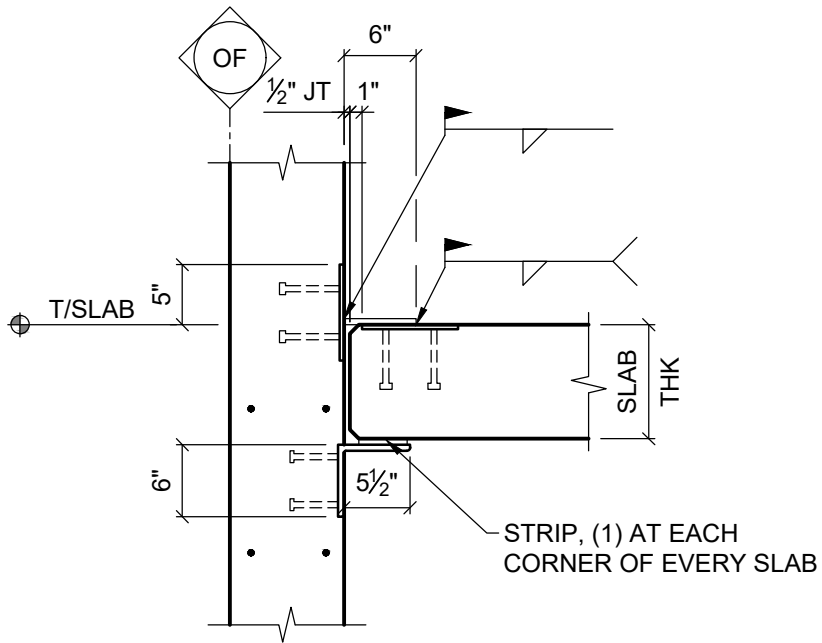
BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD84



UTILITY ROOM SLAB
BEARING DETAIL

PD85

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



ATMI Precast
Building Precast Solutions

TITLE: PARKING DECK DETAILS

BY: ATMI

PROJECT: ATMI STANDARDS

ISSUED: 09/29/2021

REVISED: 0

PD85