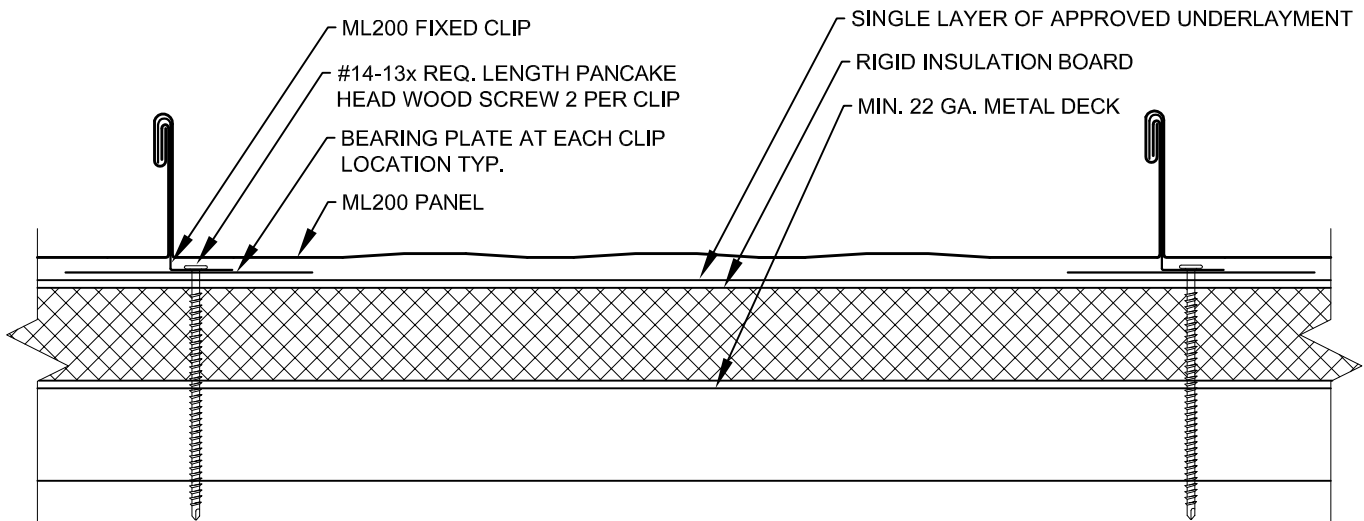




ML200 Standing Seam Rigid Insulation Over Metal Deck Master Details

Architectural / Solid Substrate / Steep Slope

The following details are commonly used over steep sloped applications including those over solid substrates such as plywood or steel decking with rigid insulation. Such details are largely based on hydrokinetic (water shedding) design principles and architectural detailing.



FAYETTEVILLE, NC
888-685-7663

SPENCER, NC
800-526-8156

ANDERSON, SC
800-544-5169

TIFTON, GA
800-962-9131

ORANGE, VA
800-762-6785

OCALA, FL
800-331-3584

VICKSBURG, MS
888-661-0577

TIPP CITY, OH
877-615-9812

OKLAHOMA CITY, OK
866-373-5286

SCRANTON, PA
866-695-6455



ML200 Standing Seam

-Rigid Insulation Over Metal Deck-

Fixed Clip and Expansion Clip

Index

Panel Information Detail No.

Panel Application	0.10_FX
Panel Application	0.10_EX
System Overview - Panel Profiles.....	0.20
System Overview - Clips	0.21
Thermal Gap Installation Chart - Steel.....	0.30
Thermal Gap Installation Chart - Aluminum.....	0.31

Eave Details Detail No.

Extended Eave	1.10_FX
Extended Eave	1.10_EX
Extended Eave - Steep Slope	1.10A_FX
Extended Eave - Steep Slope	1.10A_EX
Extended Eave with Gutter	1.20_FX
Extended Eave with Gutter	1.20_EX
Extended Eave with Gutter - Steep Slope	1.20A_FX
Extended Eave with Gutter - Steep Slope	1.20A_EX
Extended Eave with Soffit	1.30_FX
Extended Eave with Soffit	1.30_EX
Extended Eave with Soffit & Gutter	1.40_FX
Extended Eave with Soffit & Gutter	1.40_EX
Extended Eave with Vertical Flush Panel	1.50_FX
Extended Eave with Vertical Flush Panel	1.50_EX
Extended Eave with Vertical Standing Seam Panel	1.60_FX
Extended Eave with Vertical Standing Seam Panel	1.60_EX
Extended Eave Lap Detail	1.90

Gable Details Detail No.

Gable - Extended Drip	2.10_FX
Gable - Extended Drip	2.10_EX
Gable - Box	2.20_FX
Gable - Box	2.20_EX
Gable - Box with Zee Closure	2.30_FX
Box Gable Lap Detail	2.90

Valley Details Detail No.

Valley - Integral Cleat	3.10
Valley - Offset Cleat	3.20
Valley Lap Detail	3.90

(Continued...)



ML200 Standing Seam

-Rigid Insulation Over Metal Deck-

Fixed Clip and Expansion Clip

Index

Ridge & Hip Details Detail No.

Standard Ridge & Hip	4.10_FX
Standard Ridge & Hip	4.10_EX
Ridge Termination at Valley	4.40
Ridge & Hip Lap Detail	4.90
Ridge Cap Expansion Detail	4.91

Peak Details Detail No.

Peak Detail	5.10_FX
Peak Detail	5.10_EX
Peak Detail with Vertical Flush Panel	5.40_FX
Peak Detail with Vertical Flush Panel	5.40_EX

High Wall & Low Wall Details Detail No.

High Wall - Reglet	6.10_FX
High Wall - Reglet	6.10_EX
High Wall - Surface Mount	6.12_FX
High Wall - Surface Mount	6.12_EX
High Wall - Vertical Panel with Sill	6.14_FX
High Wall - Vertical Panel with Sill	6.14_EX
High Wall - Parapet	6.20_FX
High Wall - Parapet	6.20_EX
Valley Wall Detail	6.30_FX
Valley Wall Detail	6.30_EX
High Wall Lap Detail	6.90

Sidewall Details Detail No.

Sidewall - Reglet with Subflashing Angle	7.11_FX
Sidewall - Reglet with Subflashing Angle	7.11_EX
Sidewall - Surface Mount with Subflashing Angle	7.12_FX
Sidewall - Surface Mount with Subflashing Angle	7.12_EX
Sidewall - Wood Framing & Siding with Subflashing Angle	7.13_FX
Sidewall - Wood Framing & Siding with Subflashing Angle	7.13_EX
Sidewall - Reglet with J-Channel Subflashing	7.21_FX
Sidewall - Reglet with J-Channel Subflashing	7.21_EX
Sidewall - Surface Mount with J-Channel Subflashing	7.22_FX
Sidewall - Surface Mount with J-Channel Subflashing	7.22_EX
Sidewall - Wood Framing & Siding with J-Channel Subflashing	7.23_FX
Sidewall - Wood Framing & Siding with J-Channel Subflashing	7.23_EX



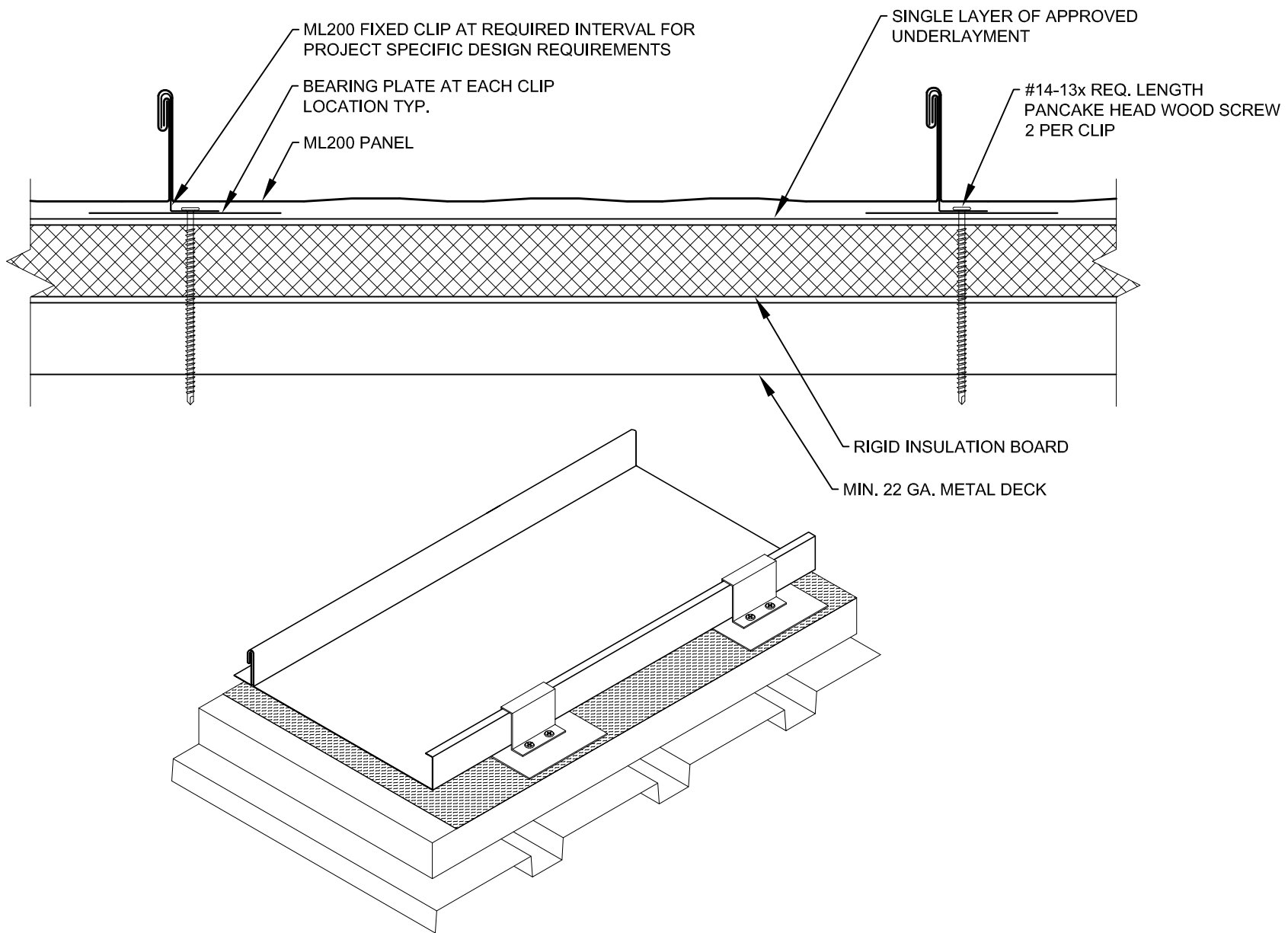
ML200 Standing Seam
-Wood Substrate-
Fixed Clip and Expansion Clip

Index

<u>Sidewall Details (continued)</u>	<u>Detail No.</u>
<i>Sidewall - Reglet with Zee Closure</i>	<i>7.31_FX</i>
<i>Sidewall - Surface Mount with Zee Closure</i>	<i>7.32_FX</i>
<i>Sidewall - Wood Framing & Siding with Zee Closure</i>	<i>7.33_FX</i>
<i>Sidewall Expansion Joint</i>	<i>7.40_FX</i>
<i>Sidewall Expansion Joint</i>	<i>7.40_EX</i>
<i>Expansion Joint Mid-Roof.....</i>	<i>7.50_FX</i>
<i>Expansion Joint Mid-Roof.....</i>	<i>7.50_EX</i>
<i>Sidewall Lap Detail</i>	<i>7.90</i>

<u>Slope Transition Details</u>	<u>Detail No.</u>
<i>Slope Transition</i>	<i>8.10_FX</i>
<i>Slope Transition</i>	<i>8.10_EX</i>
<i>Transition at Membrane Roofing</i>	<i>8.20</i>

<u>General Information Details</u>	<u>Detail No.</u>
<i>Panel Hemming</i>	<i>10.10</i>
<i>End Lap Detail - Low Slope</i>	<i>10.14</i>
<i>End Lap Detail - Steep Slope</i>	<i>10.15</i>
<i>Zee Closure Installation</i>	<i>10.20</i>
<i>Pipe Penetration</i>	<i>10.30</i>
<i>Pipe Penetration Through Panel Rib</i>	<i>10.31</i>
<i>Curb at High Wall & Low Wall</i>	<i>10.40_FX</i>
<i>Curb at High Wall & Low Wall</i>	<i>10.40_EX</i>
<i>Curb at Sidewall</i>	<i>10.41_FX</i>
<i>Curb at Sidewall</i>	<i>10.41_EX</i>
<i>Curb Installation Detail</i>	<i>CRB 1-6</i>



Description:

ML200 APPLICATION - FIXED CLIP

Detail No.:

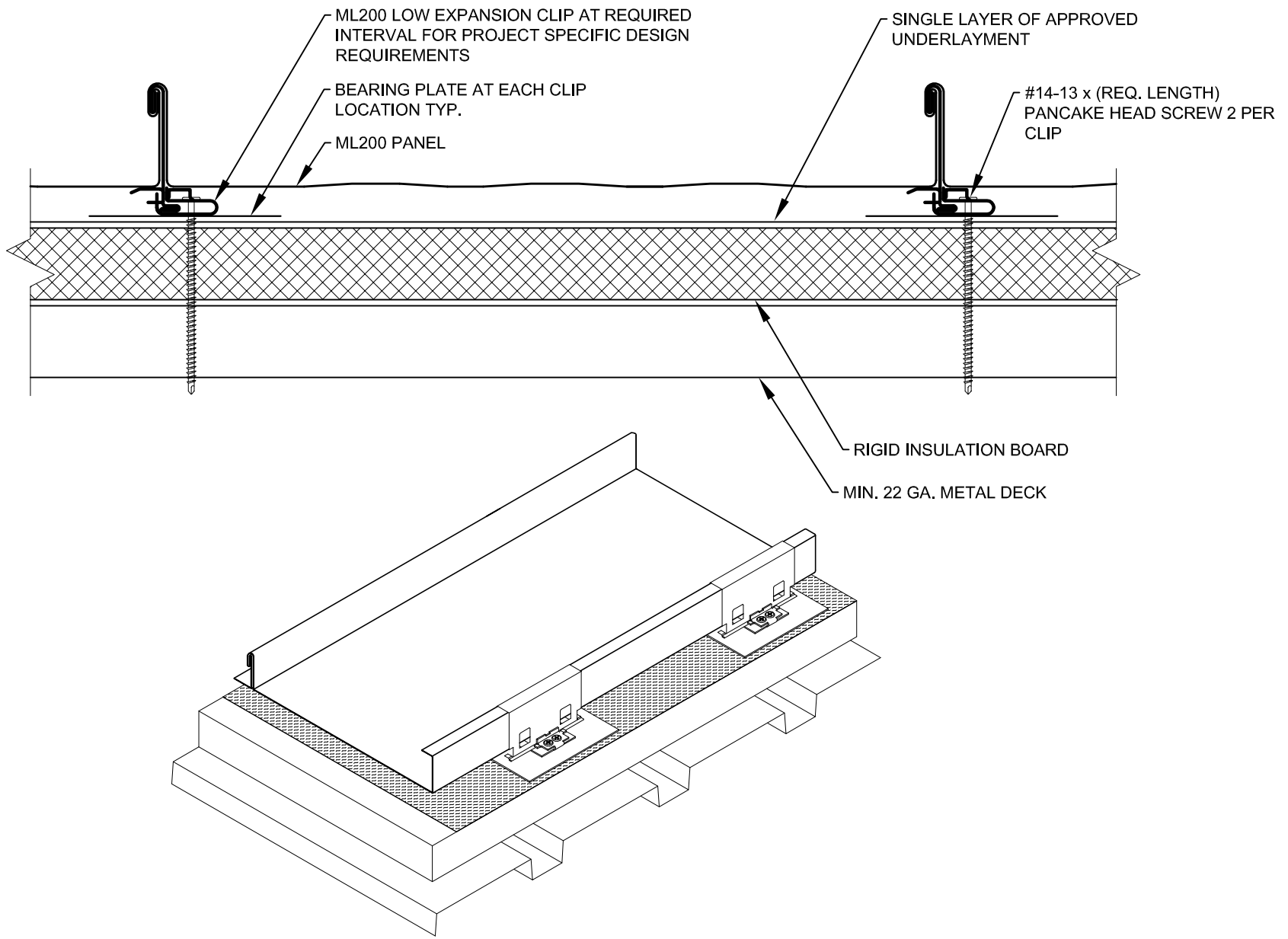
ML200-MD-0.10_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description:

ML200 APPLICATION - EXPANSION CLIP

Detail No.:

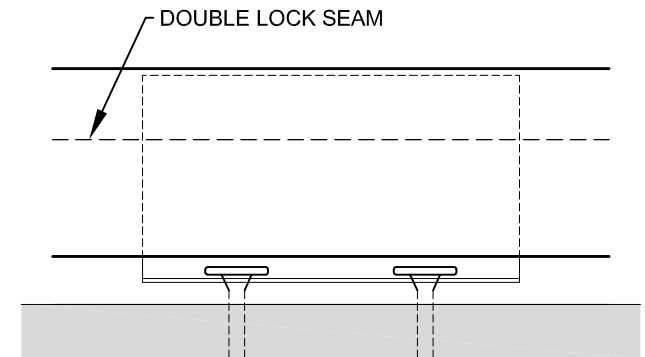
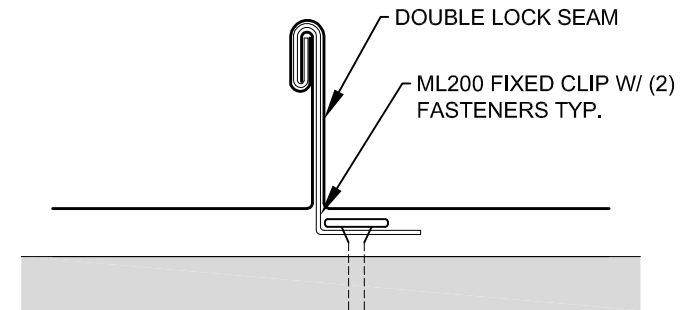
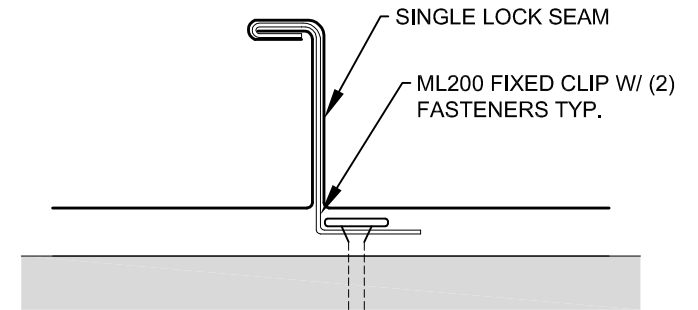
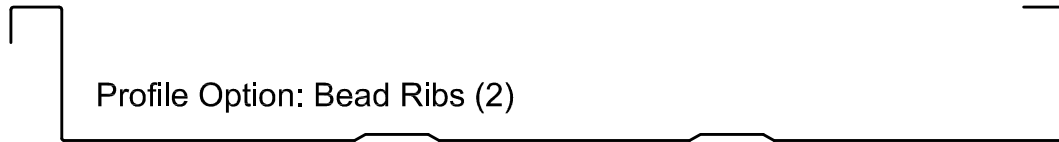
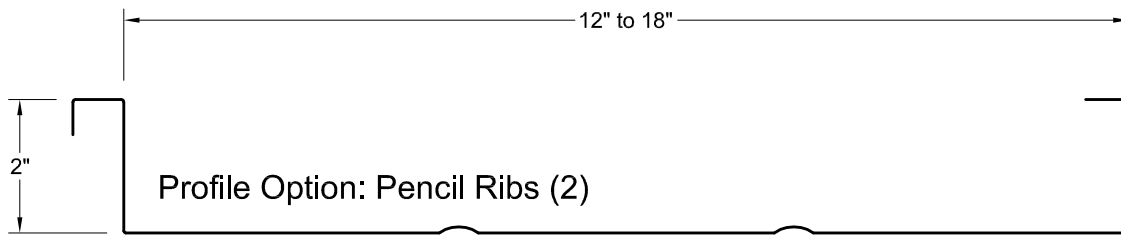
ML200-MD-0.10_EX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

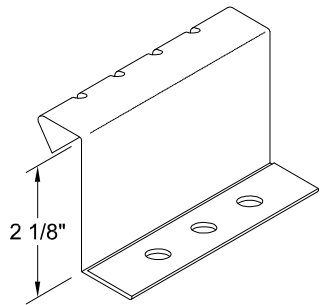


Description: **ML200 SYSTEM OVERVIEW - PANEL PROFILES**

Detail No.: **ML200-0.20**

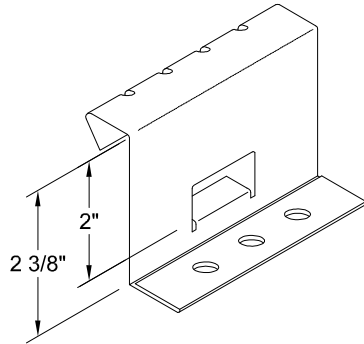
Substrate:

Project Name:
Location:



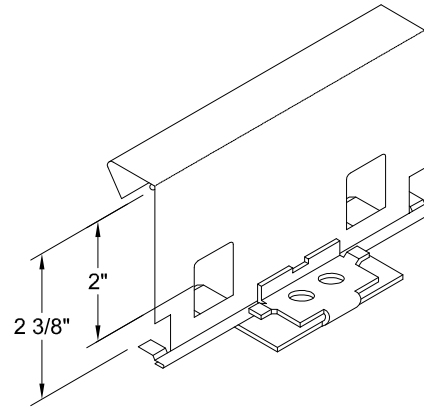
Clip 40 Fixed

22 Ga. Galvanized
2.125" x 3.25"



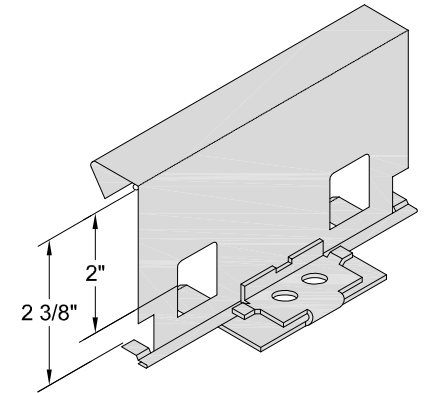
Clip 41 Fixed

22 Ga. Galvanized
2.375" x 3.25" (0.375" Substrate Standoff)



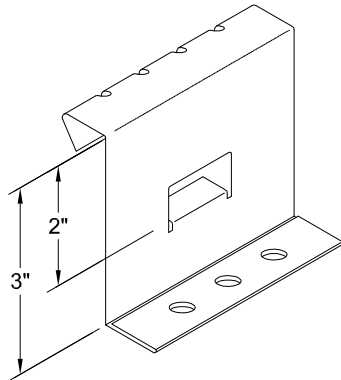
Clip 42 Expansion

22 Ga. Galvanized w/ 16 Ga. Base
2.375" x 4.25" (0.375" Substrate Standoff)
Use with up to 3" of blanket insulation



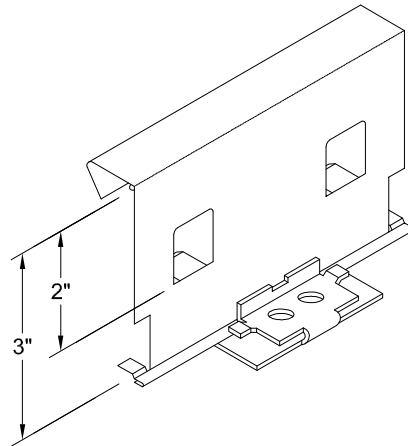
Clip 43 Expansion

22 Ga. Stainless Steel w/ 16 Ga. Base
2.375" x 4.25" (0.375" Substrate Standoff)
Recommended for use with aluminum panels
Use with up to 3" of blanket insulation



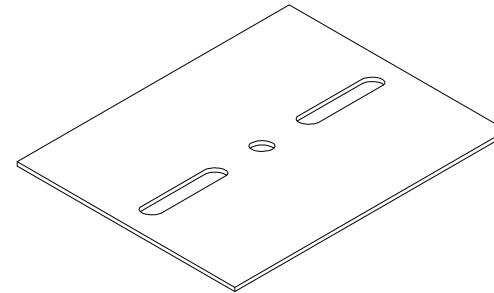
Clip 44 Fixed

22 Ga. Galvanized
3" x 3" (1" Substrate Standoff)
Use with up to 6" of blanket insulation



Clip 45 Expansion

22 Ga. Galvanized w/ 16 Ga. Base
3" x 3" (1" Substrate Standoff)
Use with up to 6" of blanket insulation



4" x 5" Bearing Plate

16 Ga. Galvanized
Required for use when clips are applied directly over rigid board insulation

IMPORTANT INSTALLATION NOTE
EXPANSION CLIPS ARE RECOMMENDED FOR PANEL LENGTHS GREATER THAN 30'-0".



Description:

ML200 SYSTEM OVERVIEW - CLIPS

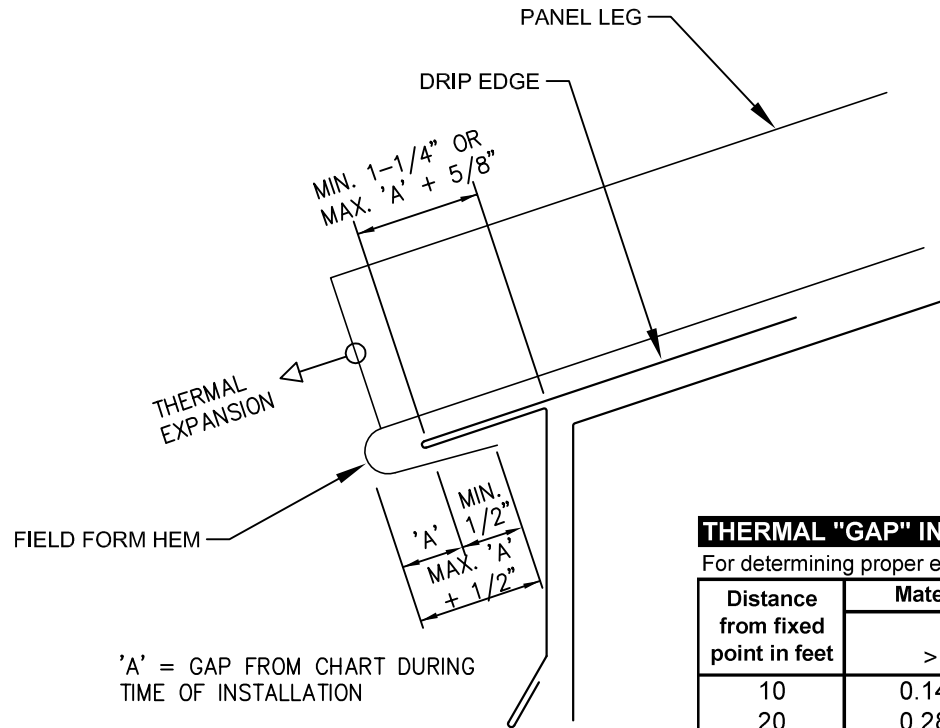
Detail No.:

ML200-0.21

Substrate:

Project Name:

Location:



THERMAL "GAP" INSTALLATION CHART (In inches) - STEEL

For determining proper expansion/contraction gap at panel ends during installation

Distance from fixed point in feet	Material Temperature (Surface Temperature) During Installation					
	Hot >100° F		Warm 100° to 50° F		Cold <50° F	
10	0.145	1/8	0.072	1/16	0.000	0
20	0.289	5/16	0.145	1/8	0.000	0
30	0.434	7/16	0.217	3/16	0.125	1/8
40	0.579	9/16	0.289	5/16	0.125	1/8
50	0.724	3/4	0.362	3/8	0.188	3/16
60	0.868	7/8	0.434	7/16	0.188	3/16
70	1.013	1	0.507	1/2	0.250	1/4
80	1.158	1 3/16	0.579	9/16	0.250	1/4
90	1.302	1 5/16	0.651	5/8	0.375	3/8
100	1.447	1 7/16	0.724	3/4	0.375	3/8

* Chart based on temperature differential of: 180 degrees F

* Coefficient of thermal expansion for steel: 0.0000067



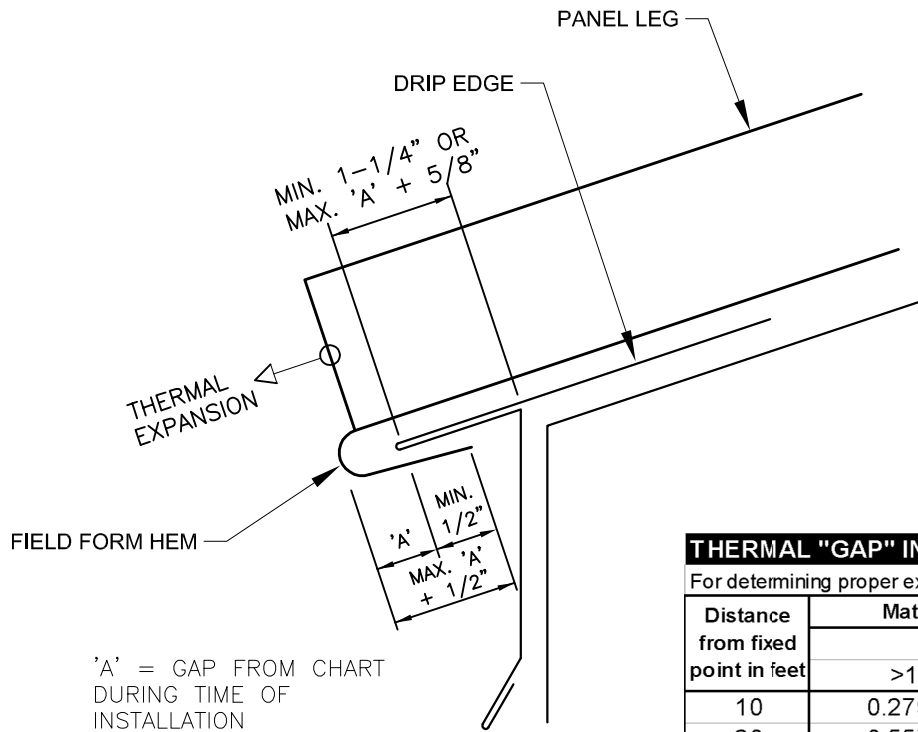
Description: THERMAL GAP INSTALLATION CHART - STEEL

Detail No.: ML200-0.30

Substrate:

Project Name:

Location:



THERMAL "GAP" INSTALLATION CHART (In inches) - ALUMINUM

For determining proper expansion/contraction gap at panel ends during installation

Distance from fixed point in feet	Material Temperature (Surface Temperature) During Installation					
	Hot >100° F		Warm 100° to 50° F		Cold <50° F	
10	0.279	1/4	0.139	1/8	0.000	0
20	0.557	9/16	0.279	1/4	0.000	0
30	0.836	13/16	0.418	7/16	0.125	1/8
40	1.115	1 1/8	0.557	9/16	0.125	1/8
50	1.393	1 3/8	0.697	11/16	0.188	3/16
60	1.672	1 11/16	0.836	13/16	0.188	3/16
70	1.950	1 15/16	0.975	1	0.250	1/4
80	2.229	2 1/4	1.115	1 1/8	0.250	1/4
90	2.508	2 1/2	1.254	1 1/4	0.375	3/8
100	2.786	2 13/16	1.393	1 3/8	0.375	3/8

* Chart based on temperature differential of: 180 degrees F

* Coefficient of thermal expansion for alum.: 0.0000129



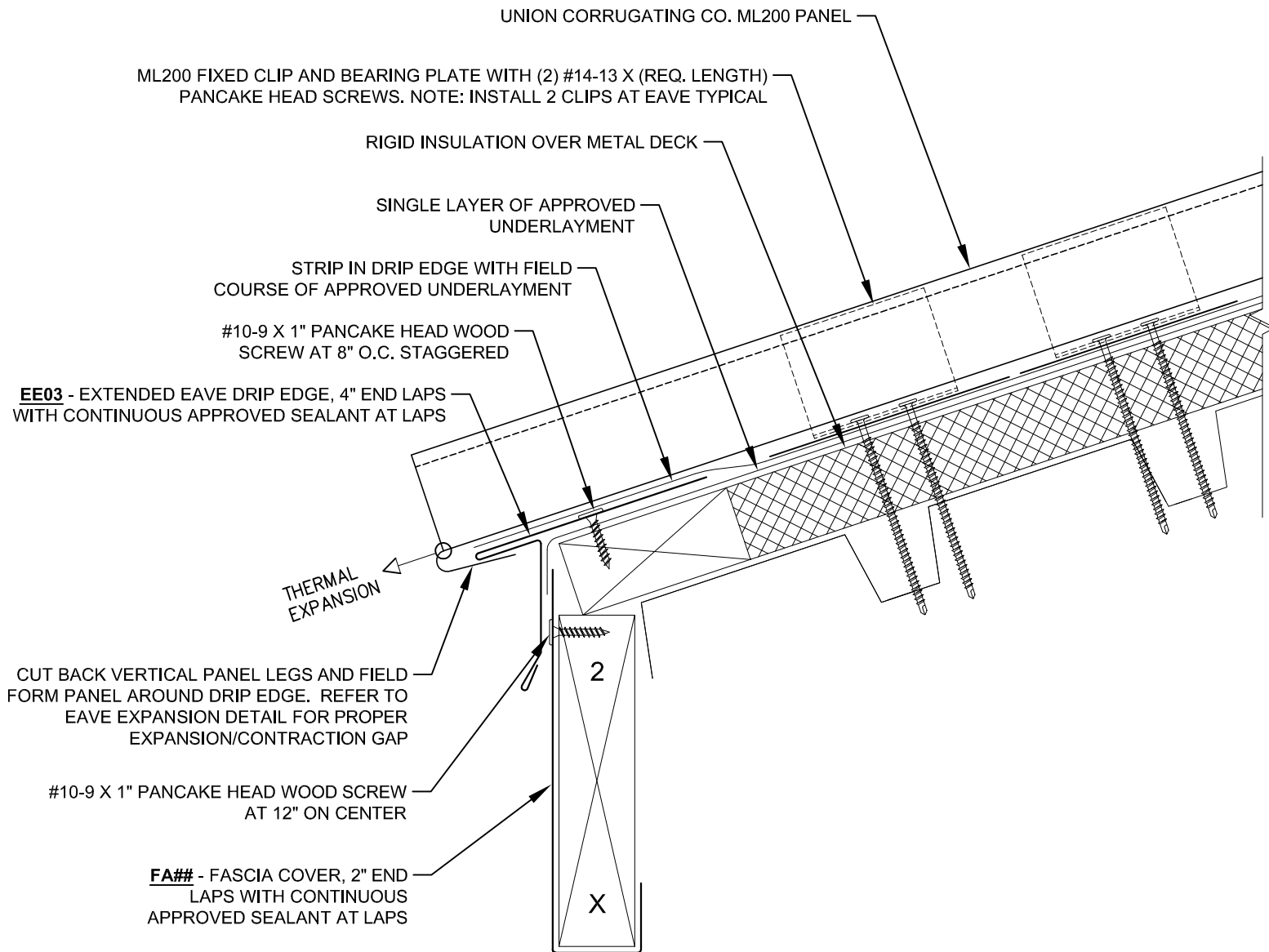
Description: **THERMAL GAP INSTALLATION CHART - ALUMINUM**

Detail No.: ML200-0.31

Substrate:

Project Name:

Location:



Description:

EXTENDED EAVE - FIXED CLIP

Detail No.:

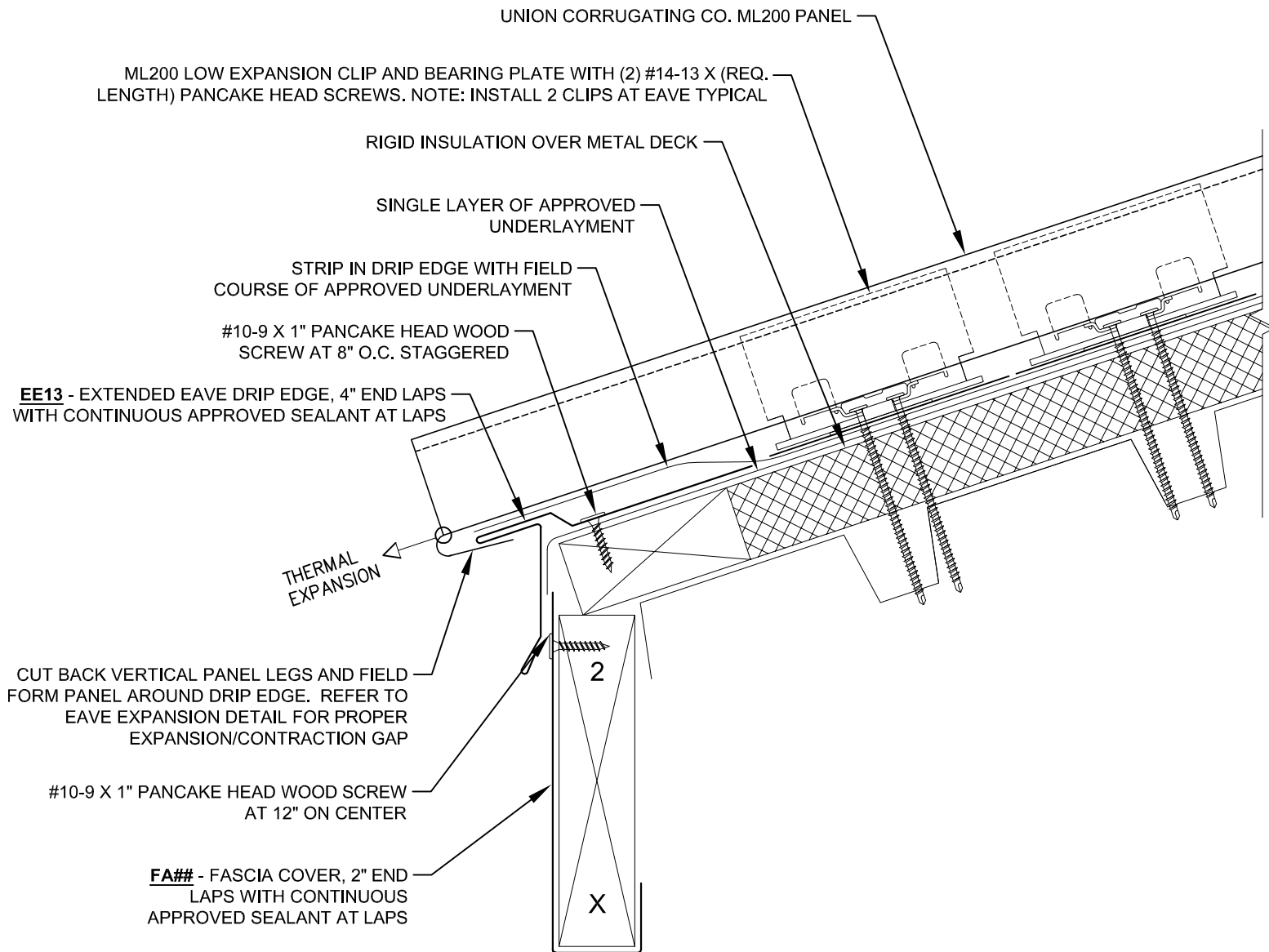
ML200-MD-1.10_FX

Substrate:

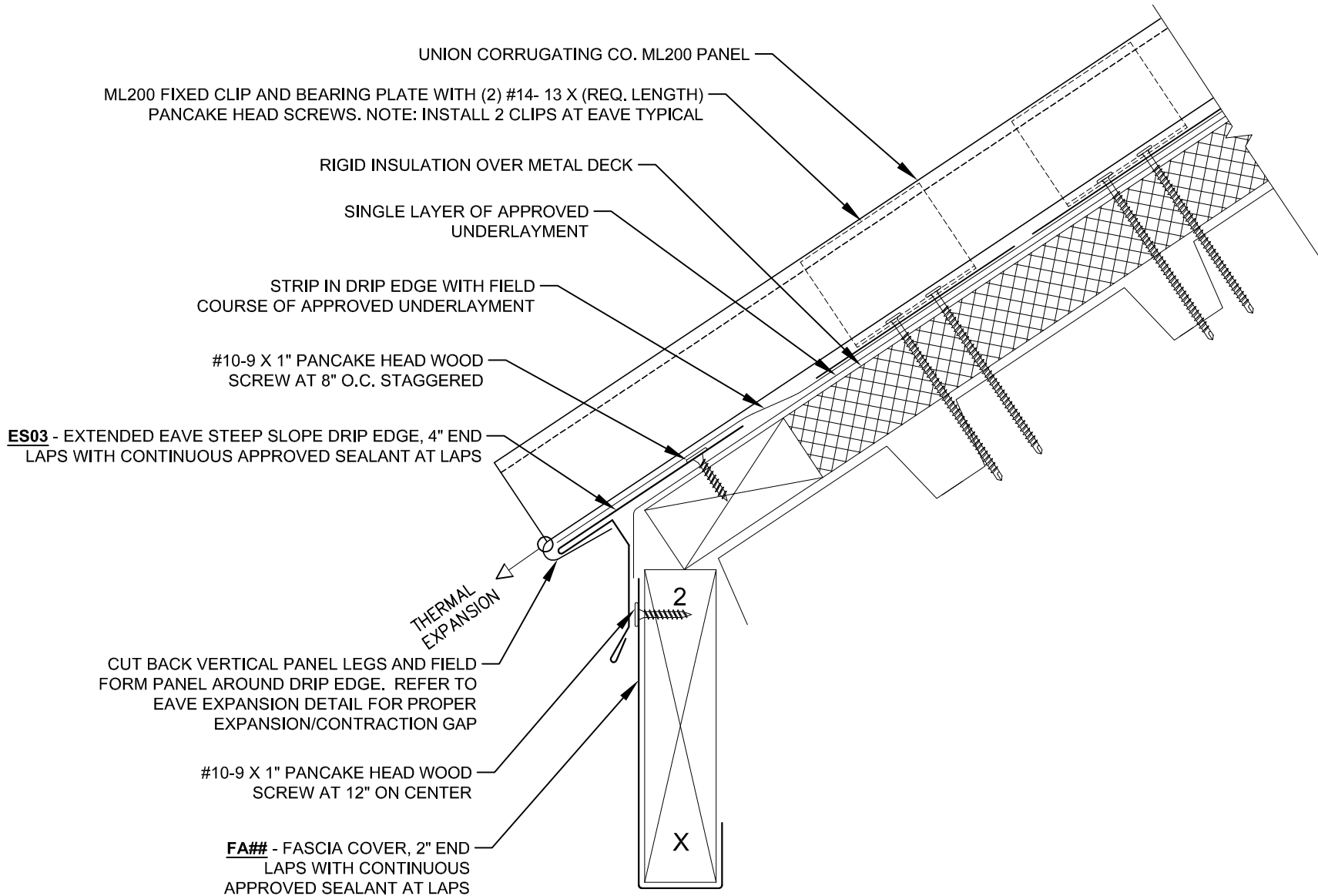
RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description:	EXTENDED EAVE - EXPANSION CLIP		Detail No.: ML200-MD-1.10_EX
	Substrate:	RIGID INSULATION OVER METAL DECK	



Description:

EXTENDED EAVE - STEEP SLOPE - FIXED CLIP

Detail No.:

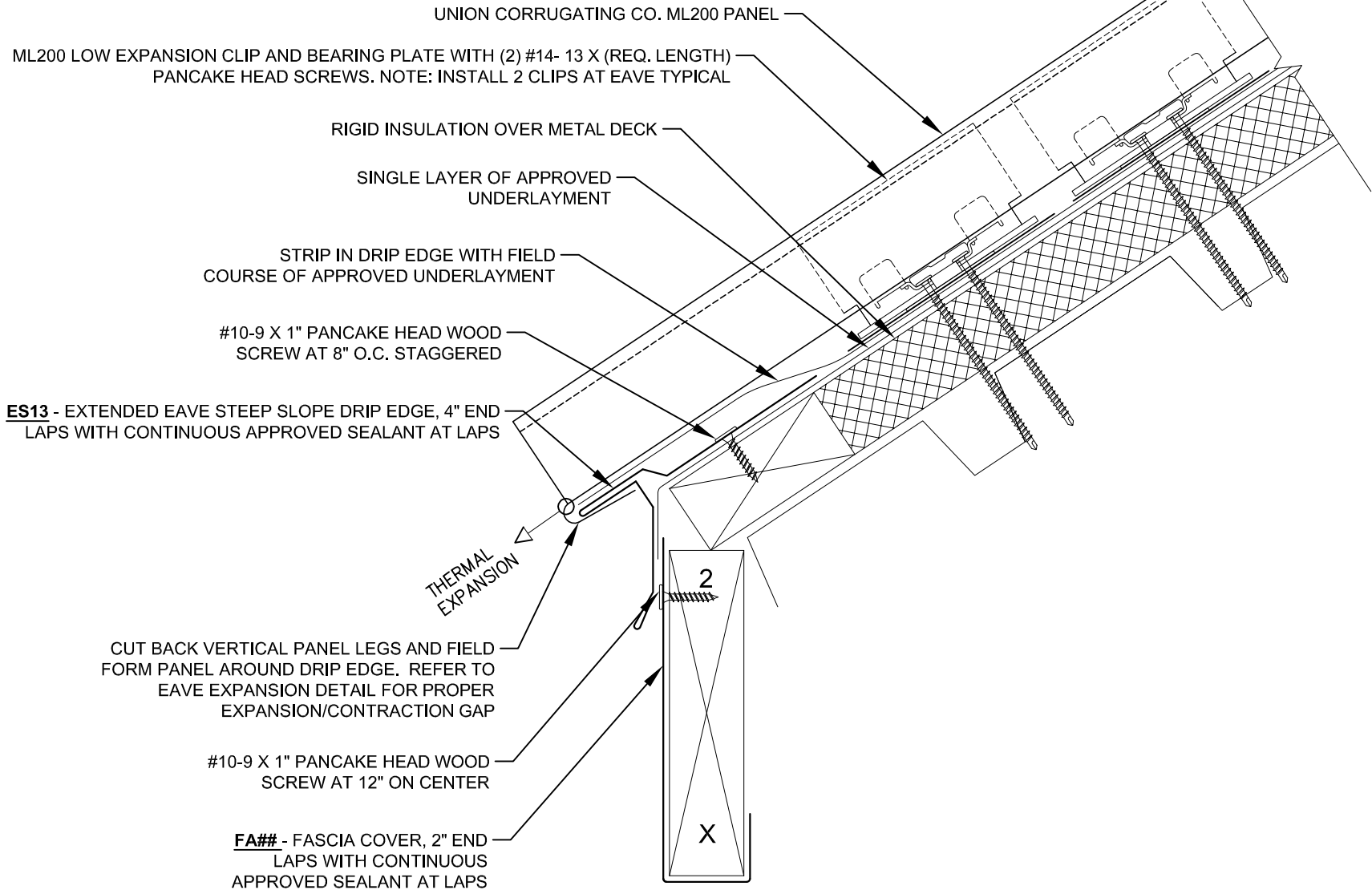
ML200-MD-1.10A_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description: **EXTENDED EAVE - STEEP SLOPE - EXPANSION CLIP**

Detail No.: **ML200-MD-1.10A_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

UNION CORRUGATING CO. ML200 PANEL

ML200 FIXED CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

RIGID INSULATION OVER METAL DECK

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE02 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS



Description:

EXTENDED EAVE WITH GUTTER - FIXED CLIP

Detail No.:

ML200-MD-1.20_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

UNION CORRUGATING CO. ML200 PANEL

ML200 LOW EXPANSION CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

RIGID INSULATION OVER METAL DECK

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE12 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

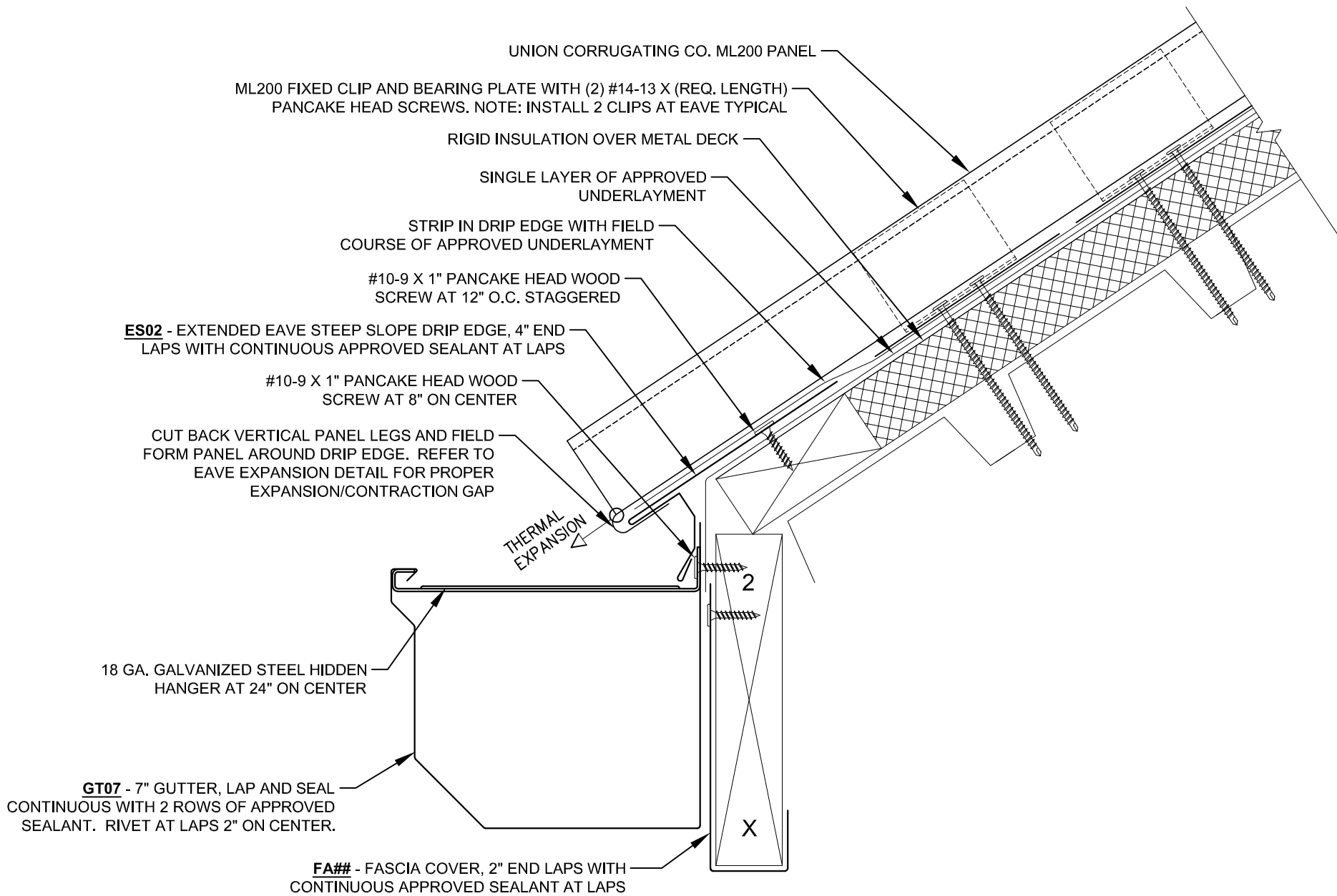


Description: **EXTENDED EAVE WITH GUTTER - EXPANSION CLIP**

Detail No.: **ML200-MD-1.20_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

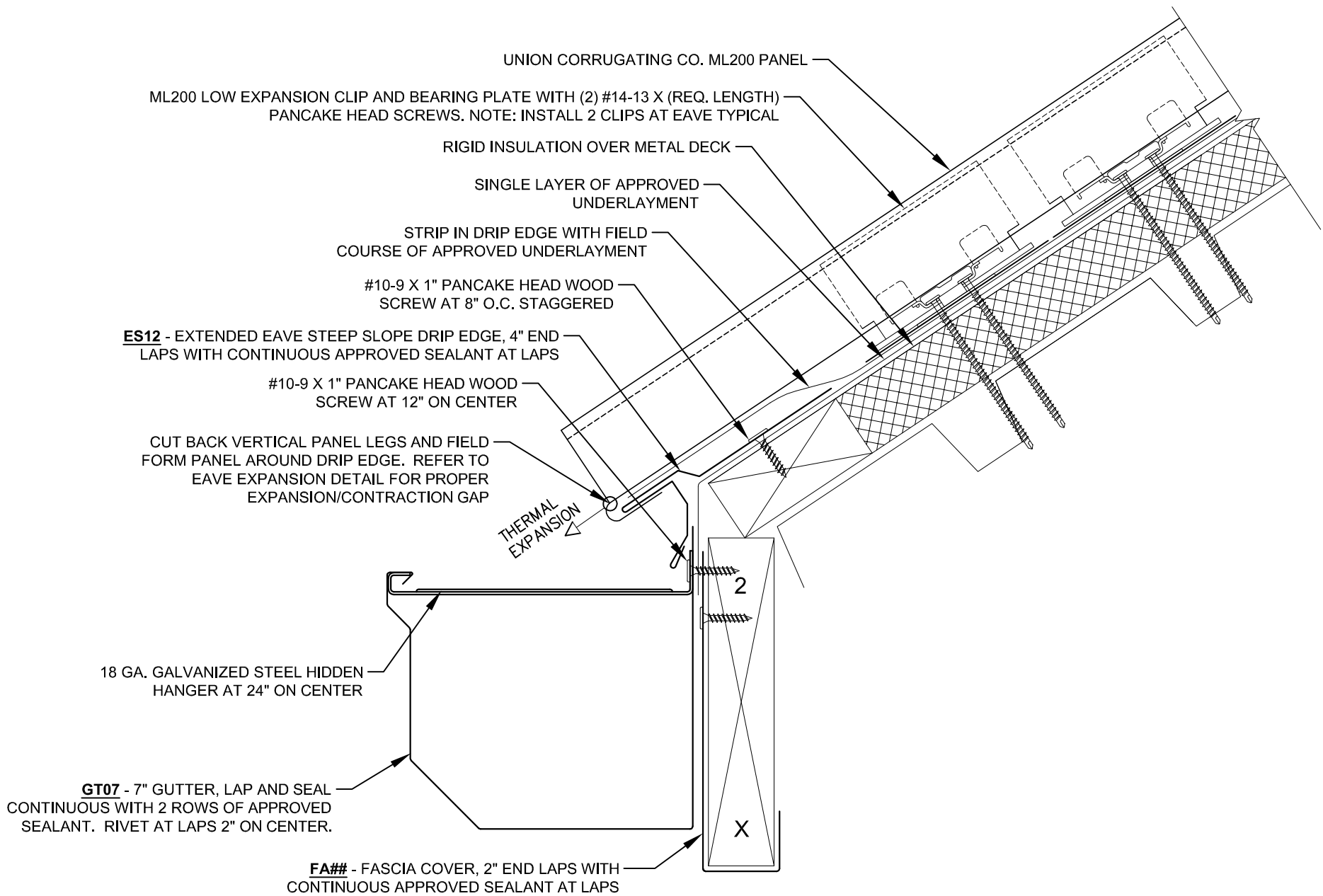


Description: **EXT. EAVE W/ GUTTER - STEEP SLOPE - FIXED CLIP**

Detail No.: **ML200-MD-1.20A_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

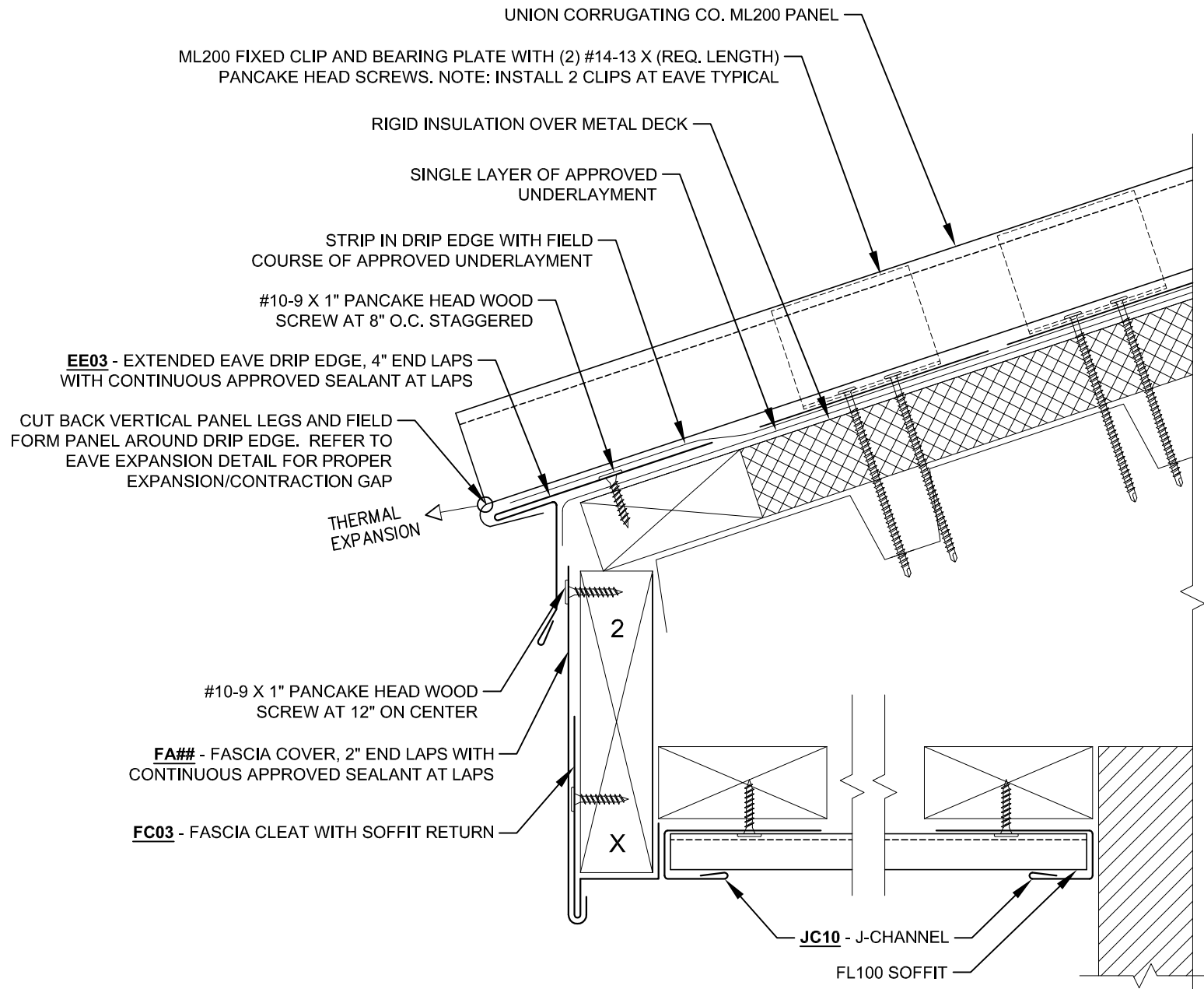


Description: **EXT.EAVE W/ GUTTER- STEEP SLOPE - EXPANSION CLIP**

Detail No.: **ML200-MD-1.20A_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



Description:

EXTENDED EAVE WITH SOFFIT - FIXED CLIP

Detail No.:

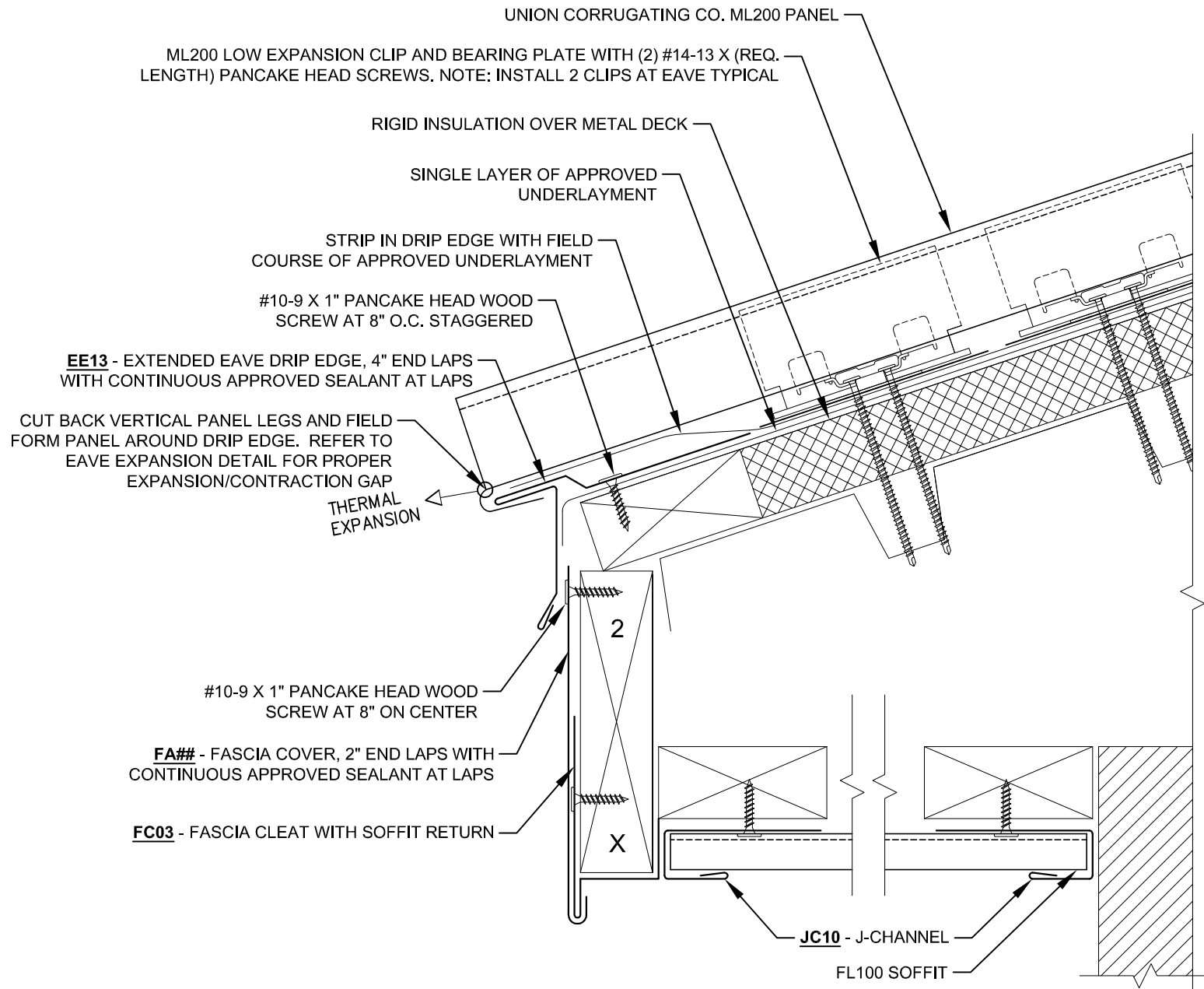
ML200-MD-1.30_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description: **EXTENDED EAVE WITH SOFFIT - EXPANSION CLIP**

Detail No.: **ML200-MD-1.30_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

UNION CORRUGATING CO. ML200 PANEL

ML200 FIXED CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

RIGID INSULATION OVER METAL DECK

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE02 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

FC03 - FASCIA CLEAT WITH SOFFIT RETURN

JC10 - J-CHANNEL

FL100 SOFFIT



Description:

EXT. EAVE W/ SOFFIT & GUTTER - FIXED CLIP

Detail No.:

ML200-MD-1.40_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

UNION CORRUGATING CO. ML200 PANEL

ML200 LOW EXPANSION CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

RIGID INSULATION OVER METAL DECK

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE12 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

FC03 - FASCIA CLEAT WITH SOFFIT RETURN

JC10 - J-CHANNEL

FL100 SOFFIT



Description:

EXT. EAVE W/ SOFFIT & GUTTER - EXPANSION CLIP

Detail No.:

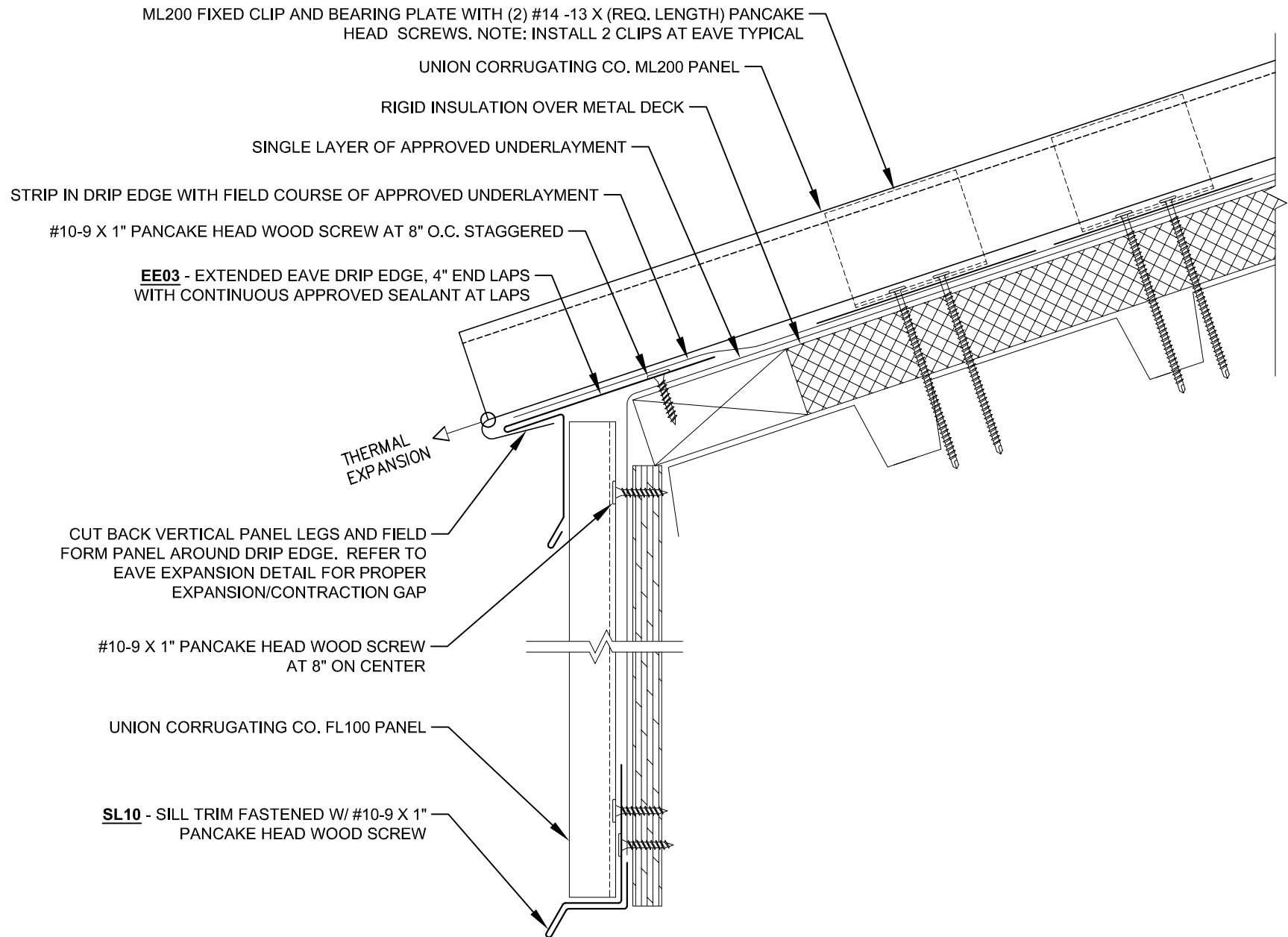
ML200-MD-1.40_EX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

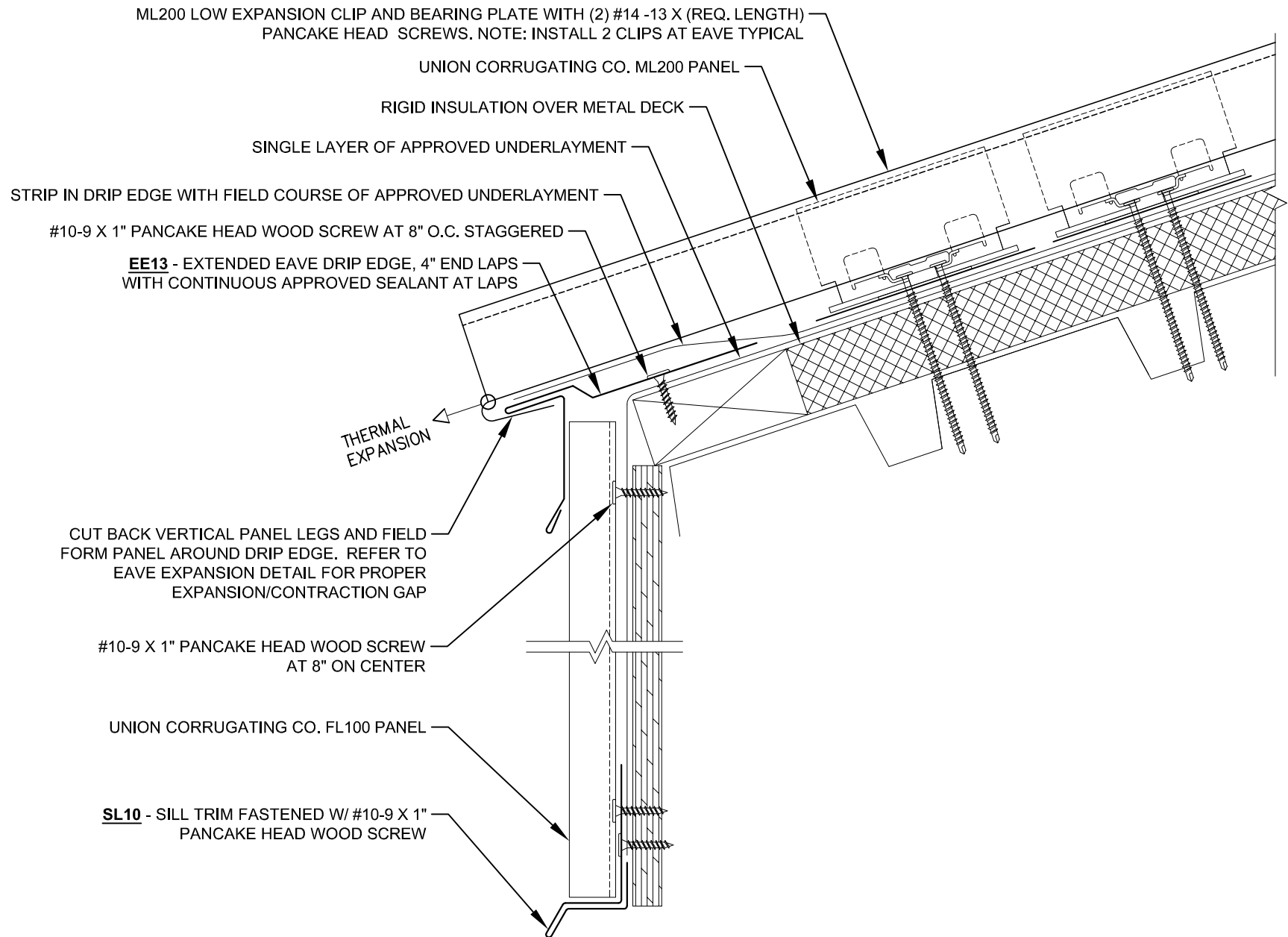


Description: **EXT. EAVE W/ FLUSH WALL PANEL - FIXED CLIP**

Detail No.: **ML200-MD-1.50_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

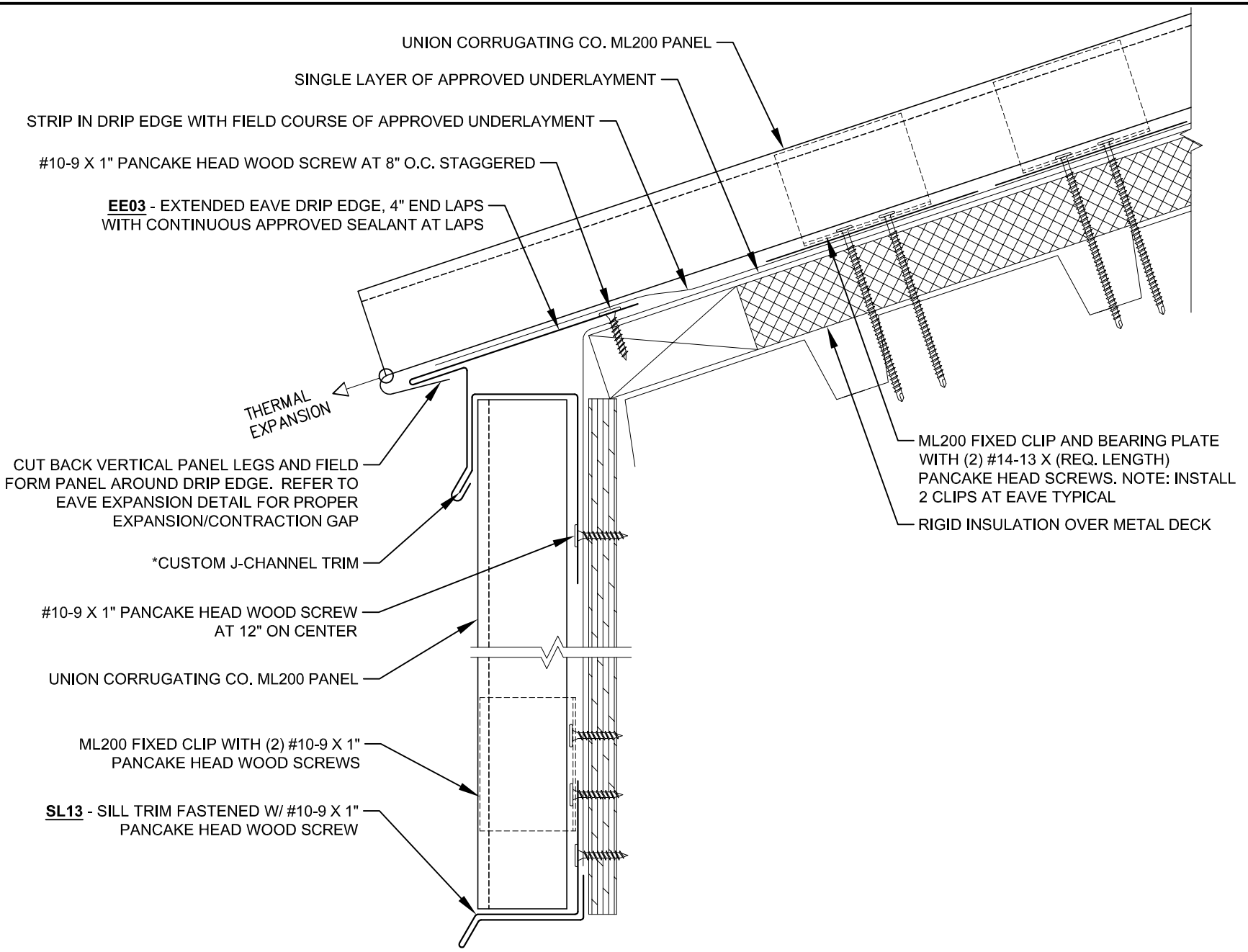


Description: **EXT. EAVE W/ FLUSH WALL PANEL - EXPANSION CLIP**

Detail No.: **ML200-MD-1.50_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

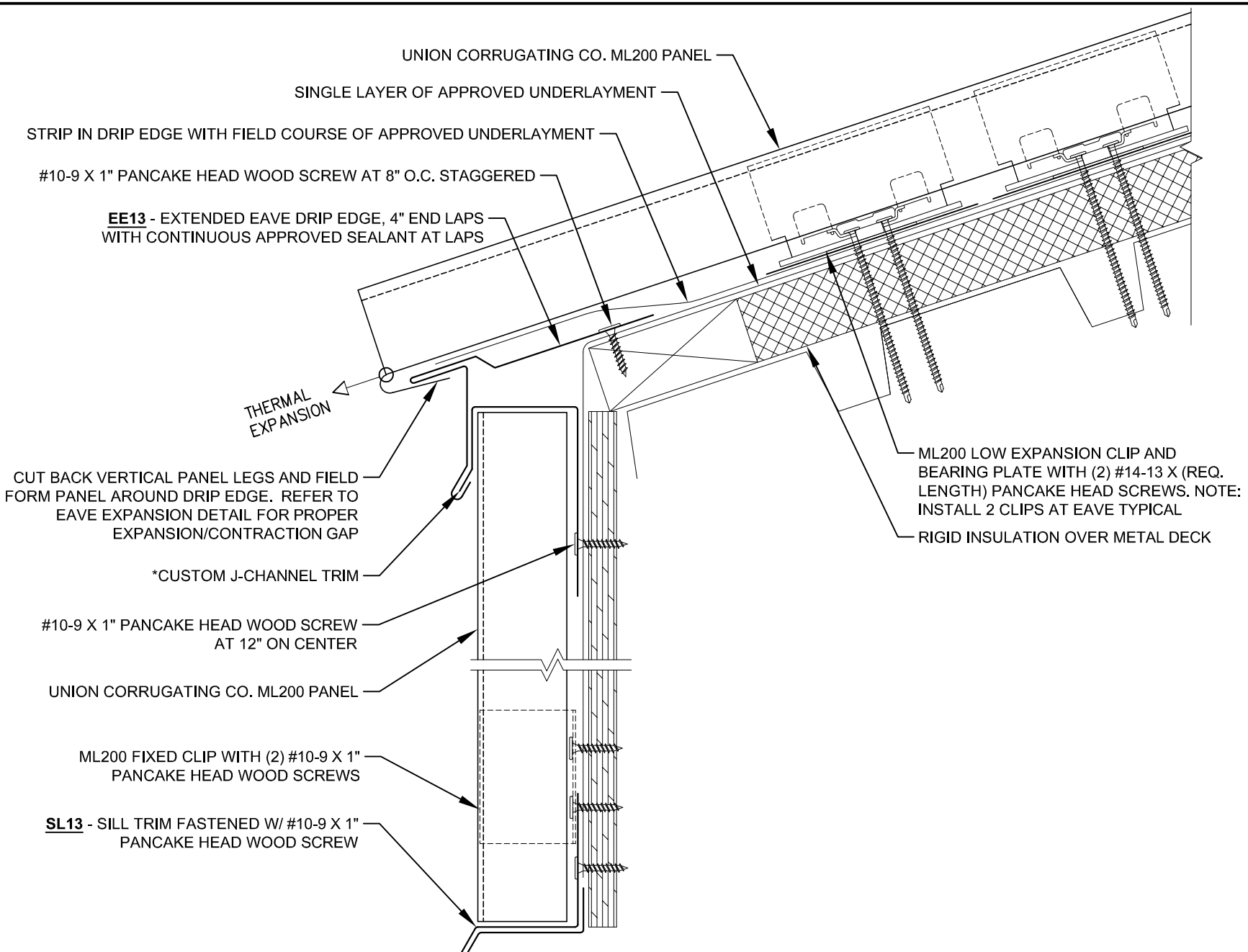


Description: **EXT. EAVE W/ STANDING SEAM WALL PANEL - FIXED CLIP**

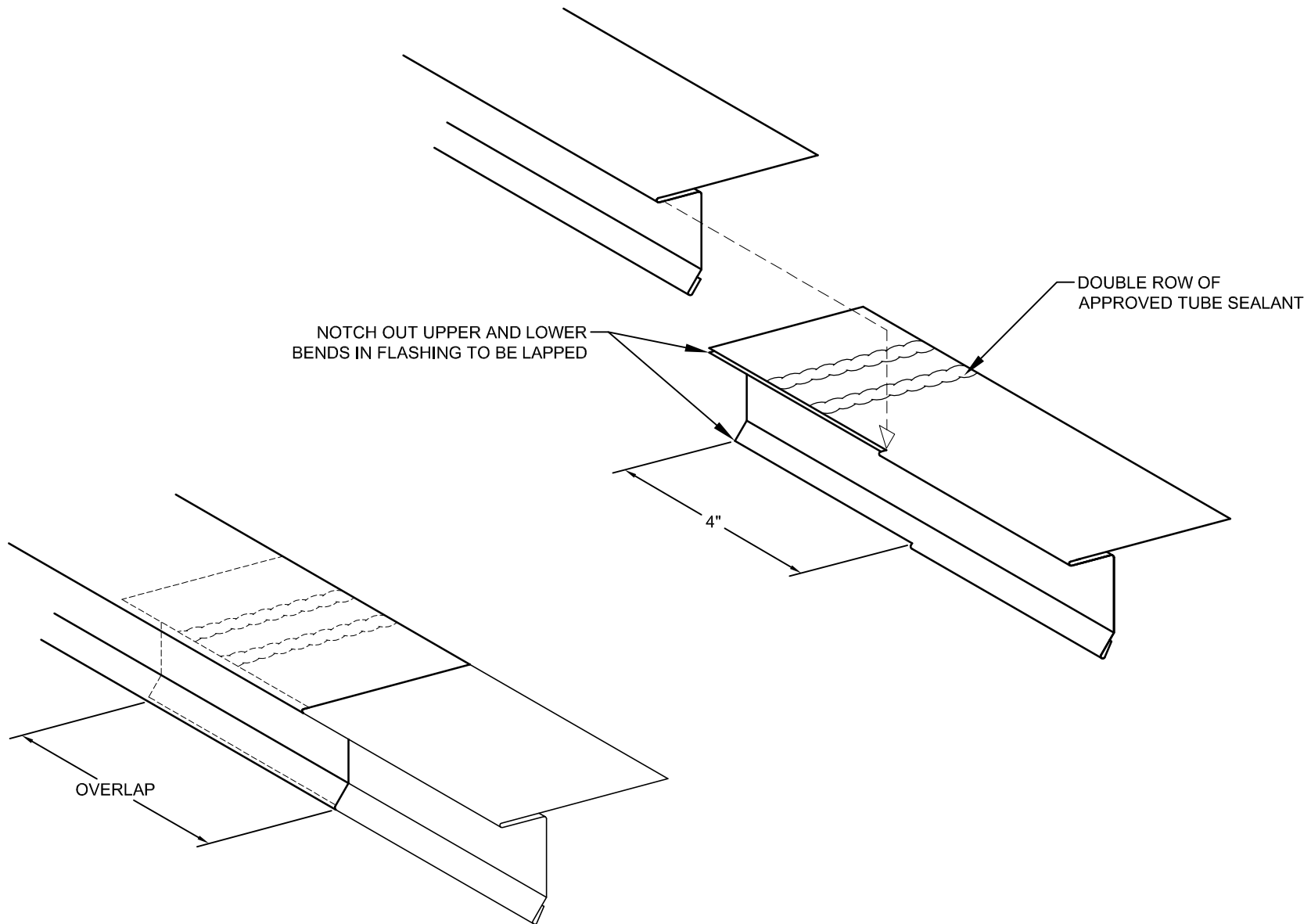
Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-1.60_FX**

Project Name:
Location:



Description:	EXT. EAVE W/ STANDING SEAM WALL PANEL - EXPANSION CLIP		Detail No.:	ML200-MD-1.60_EX
	Substrate:	RIGID INSULATION OVER METAL DECK		Project Name:
				Location:



Description:

DRIP EDGE LAP DETAIL

Detail No.:

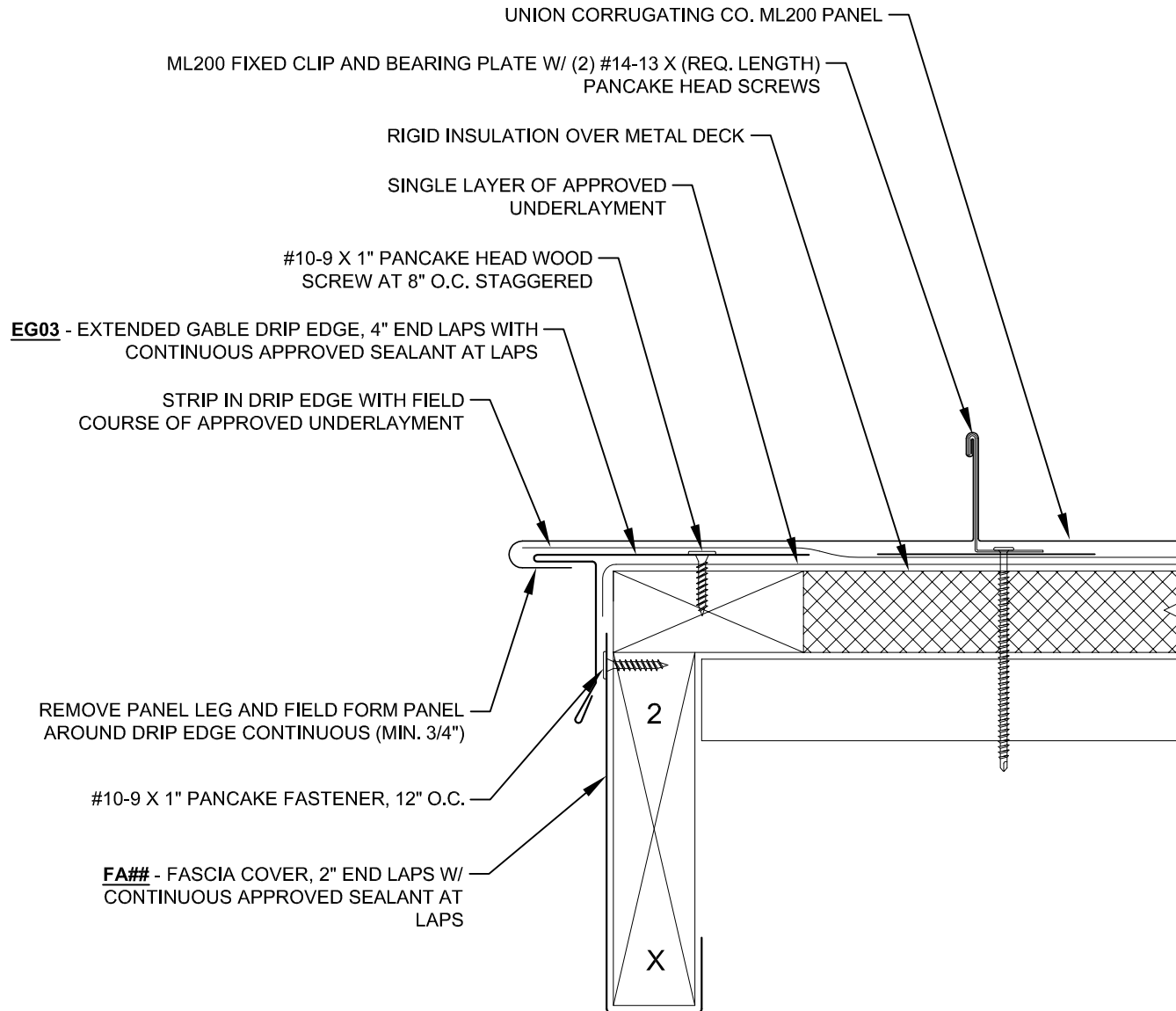
ML200-1.90

Substrate:

GENERAL INFORMATION

Project Name:

Location:

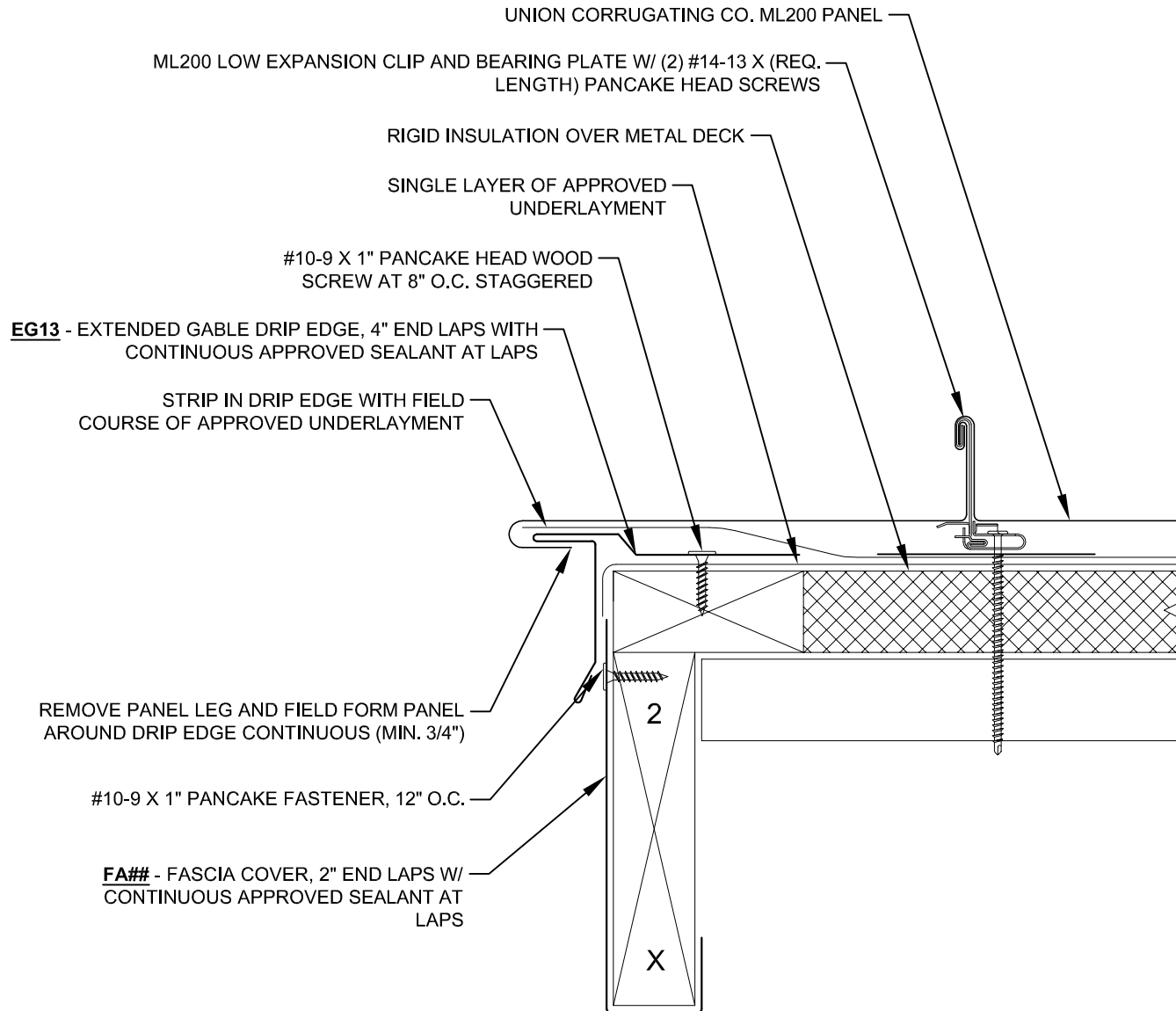


Description: **GABLE DETAIL - EXTENDED DRIP - FIXED CLIP**

Detail No.: **ML200-MD-2.10_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

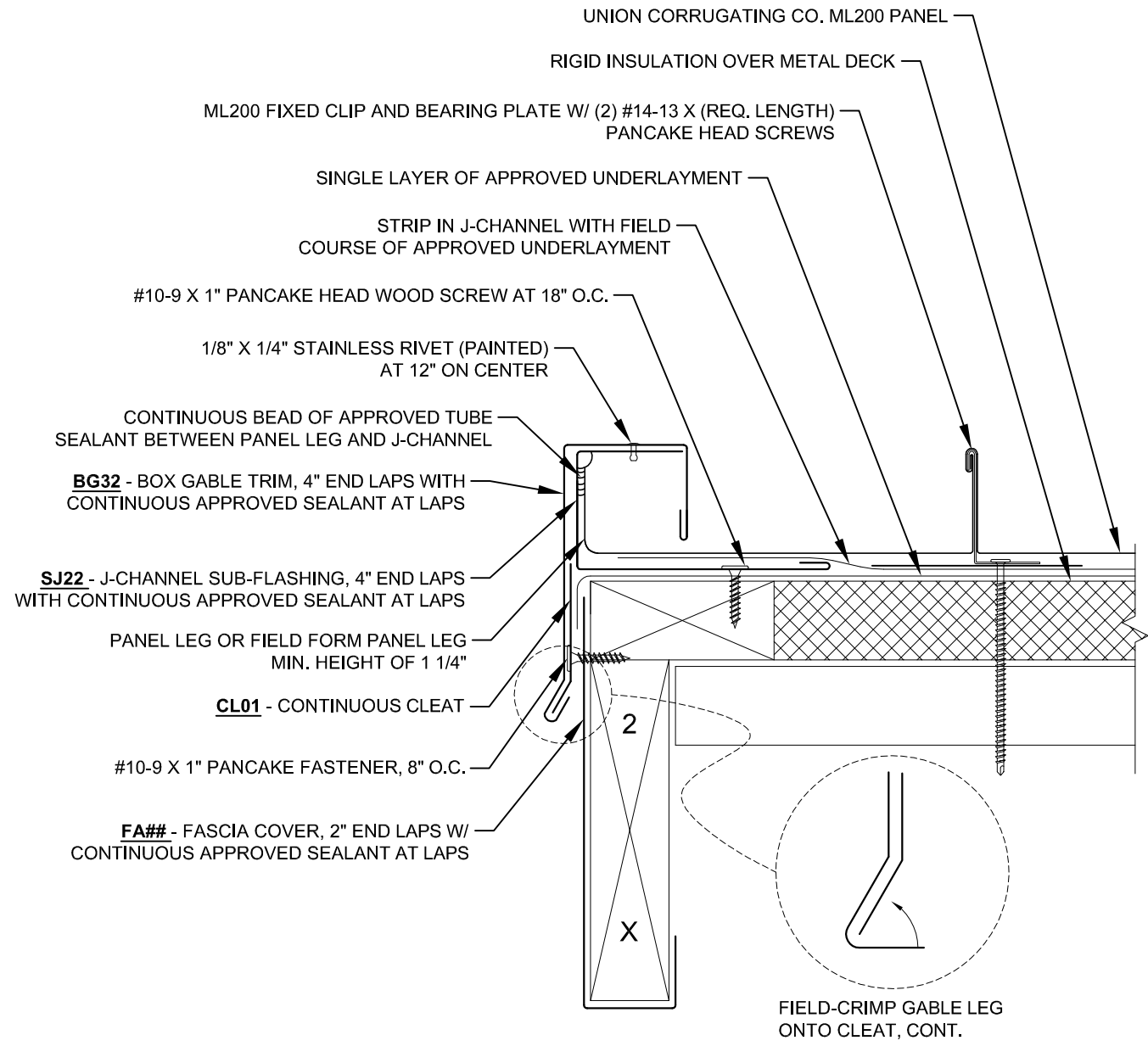


Description: **GABLE DETAIL - EXTENDED DRIP - EXPANSION CLIP**

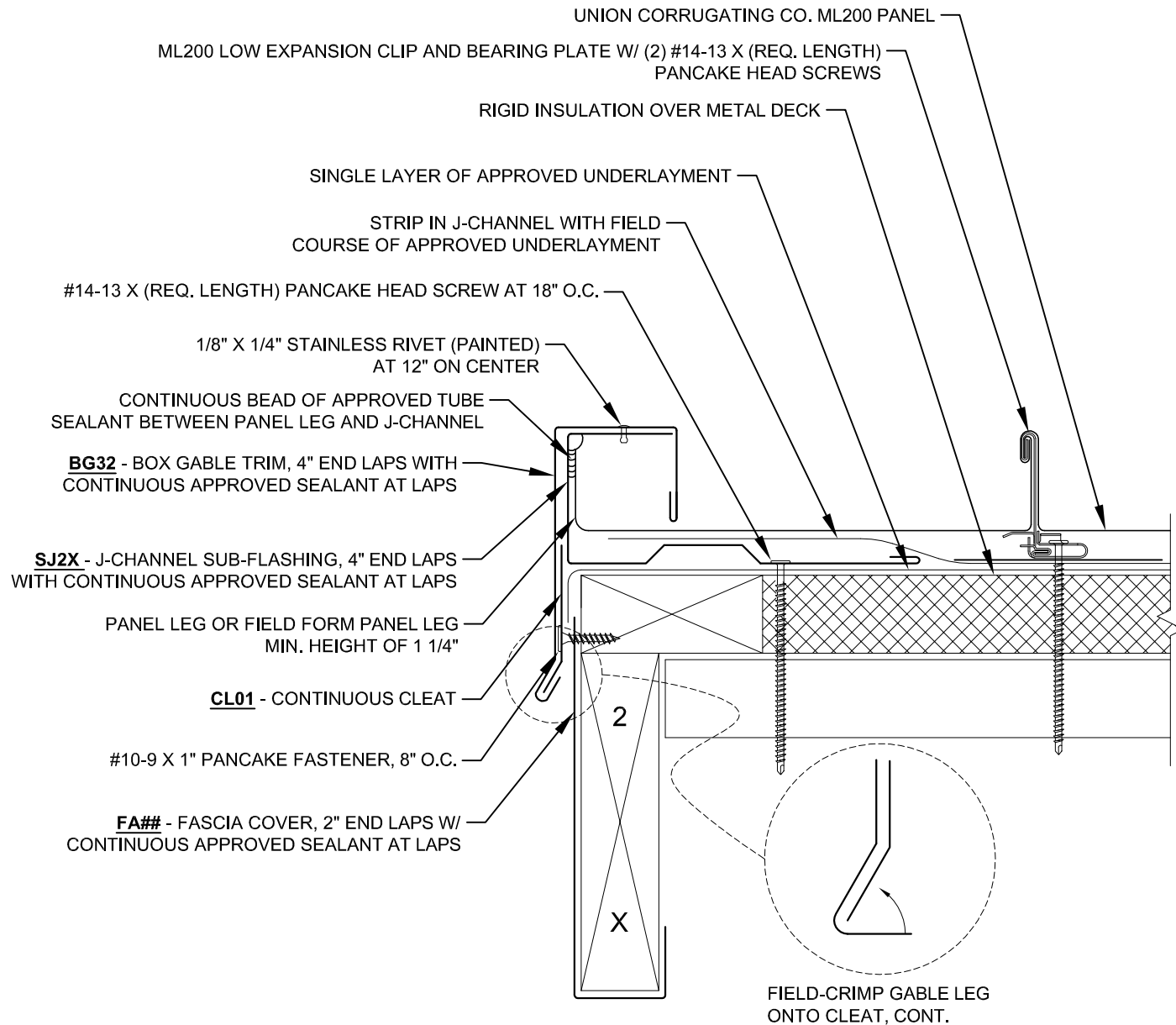
Detail No.: ML200-MD-2.10_EX

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



Description:	GABLE DETAIL - BOX STYLE - FIXED CLIP		Detail No.: ML200-MD-2.20_FX
	Substrate:	RIGID INSULATION OVER METAL DECK	



Description:

GABLE DETAIL - BOX STYLE

Detail No.:

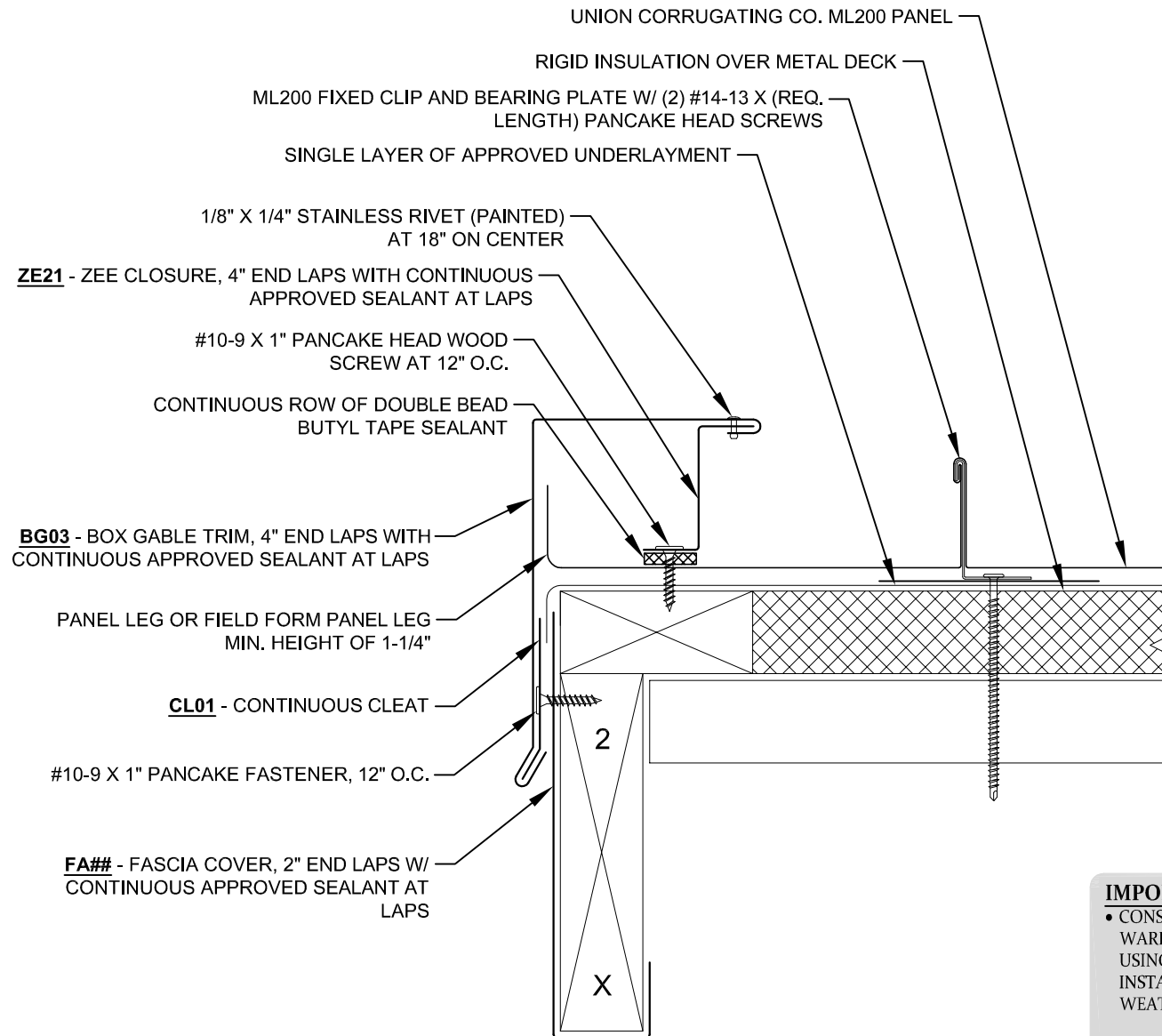
ML200-MD-2.20_EX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



IMPORTANT INSTALLATION NOTE

- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".



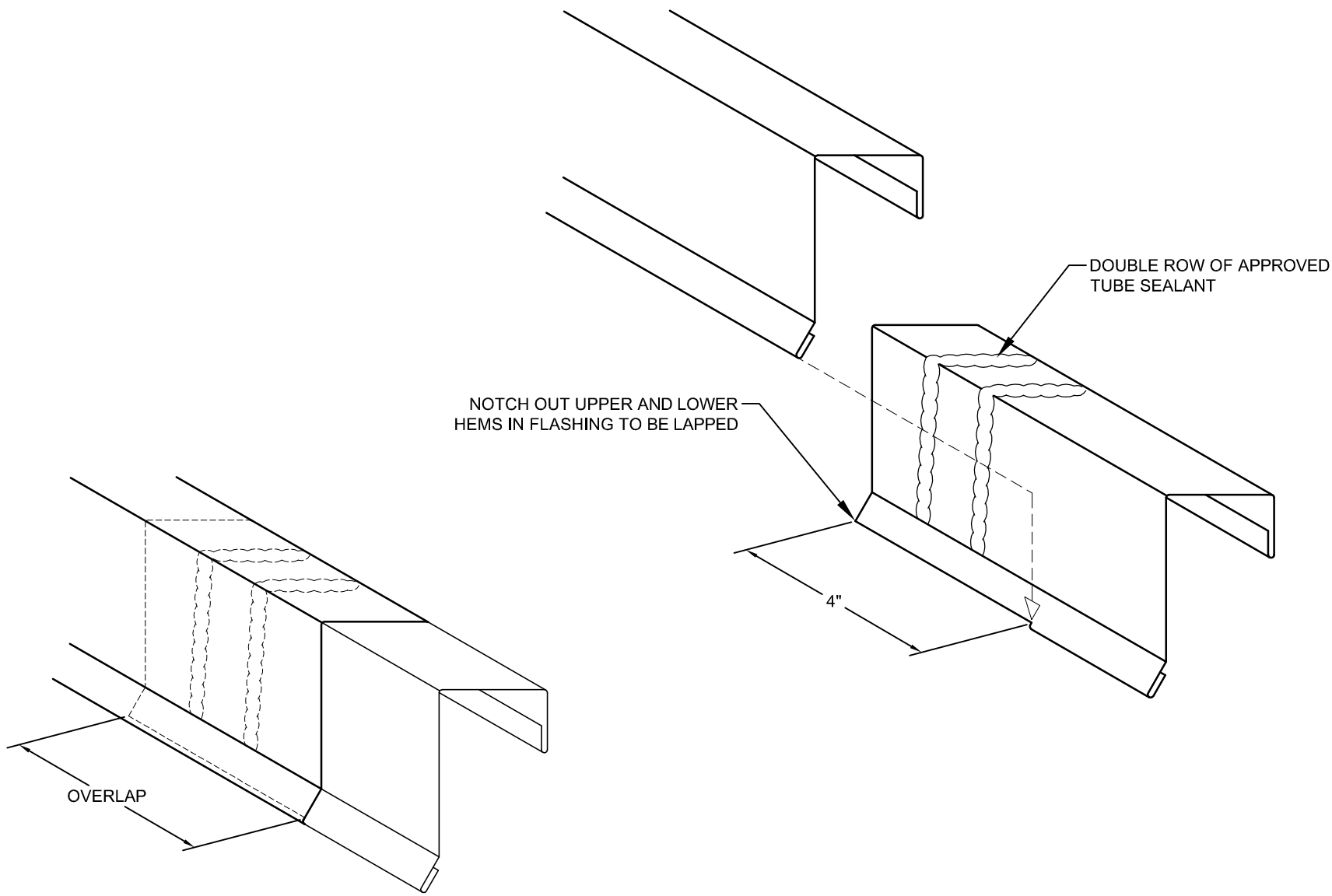
Description: **GABLE - BOX STYLE W/ Z-CLOSURE - FIXED CLIP**

Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-2.30_FX**

Project Name:

Location:



Description:

BOX GABLE LAP DETAIL

Detail No.:

ML200-2.90

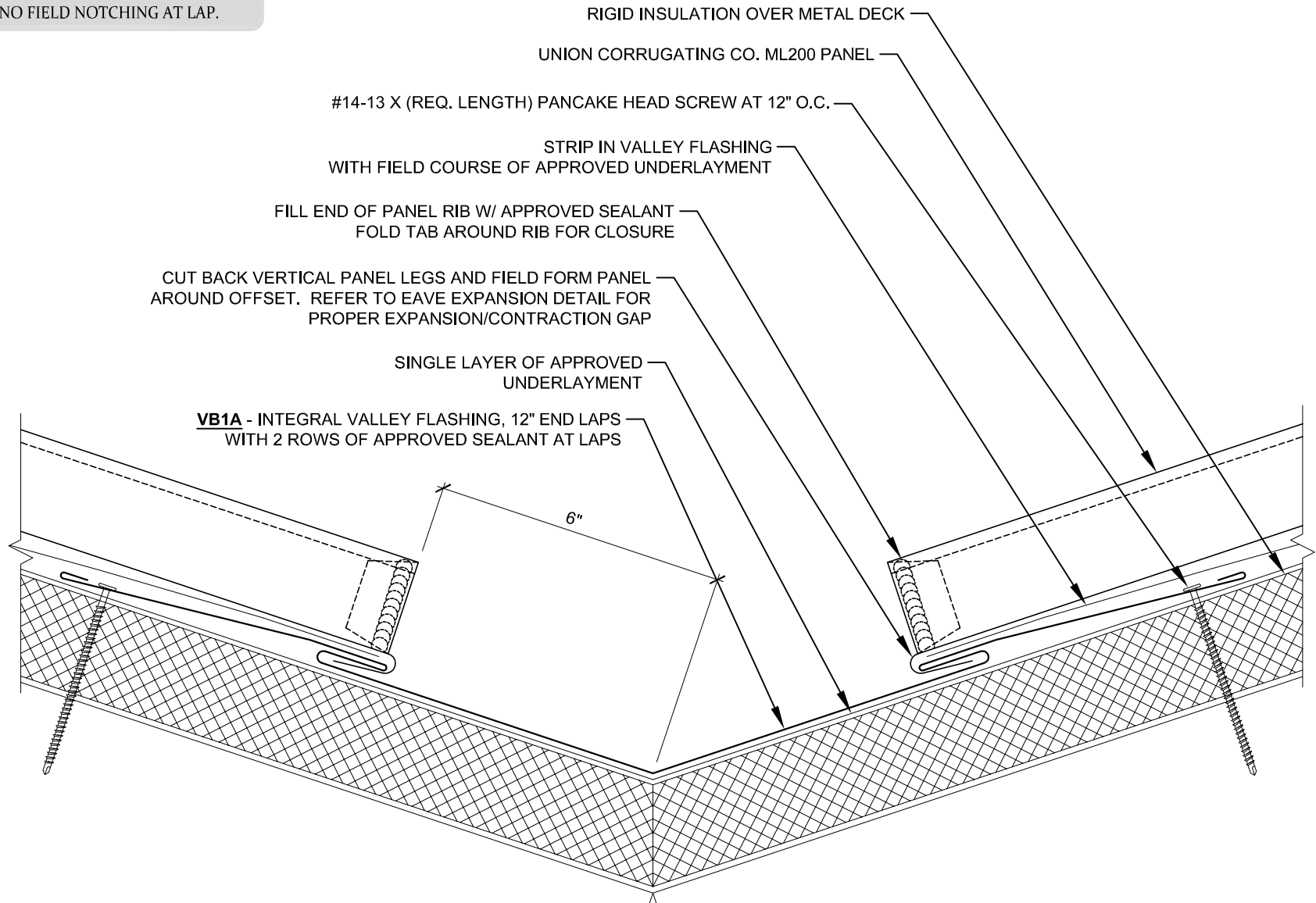
Substrate:

Project Name:

Location:

IMPORTANT INSTALLATION NOTE

EACH VALLEY SECTION IS MADE PROGRESSIVELY SMALLER TO ALLOW UPPER SECTION TO INSERT INTO LOWER SECTION. NO FIELD NOTCHING AT LAP.



Description:

VALLEY DETAIL - INTEGRAL CLEAT

Detail No.:

ML200-MD-3.10

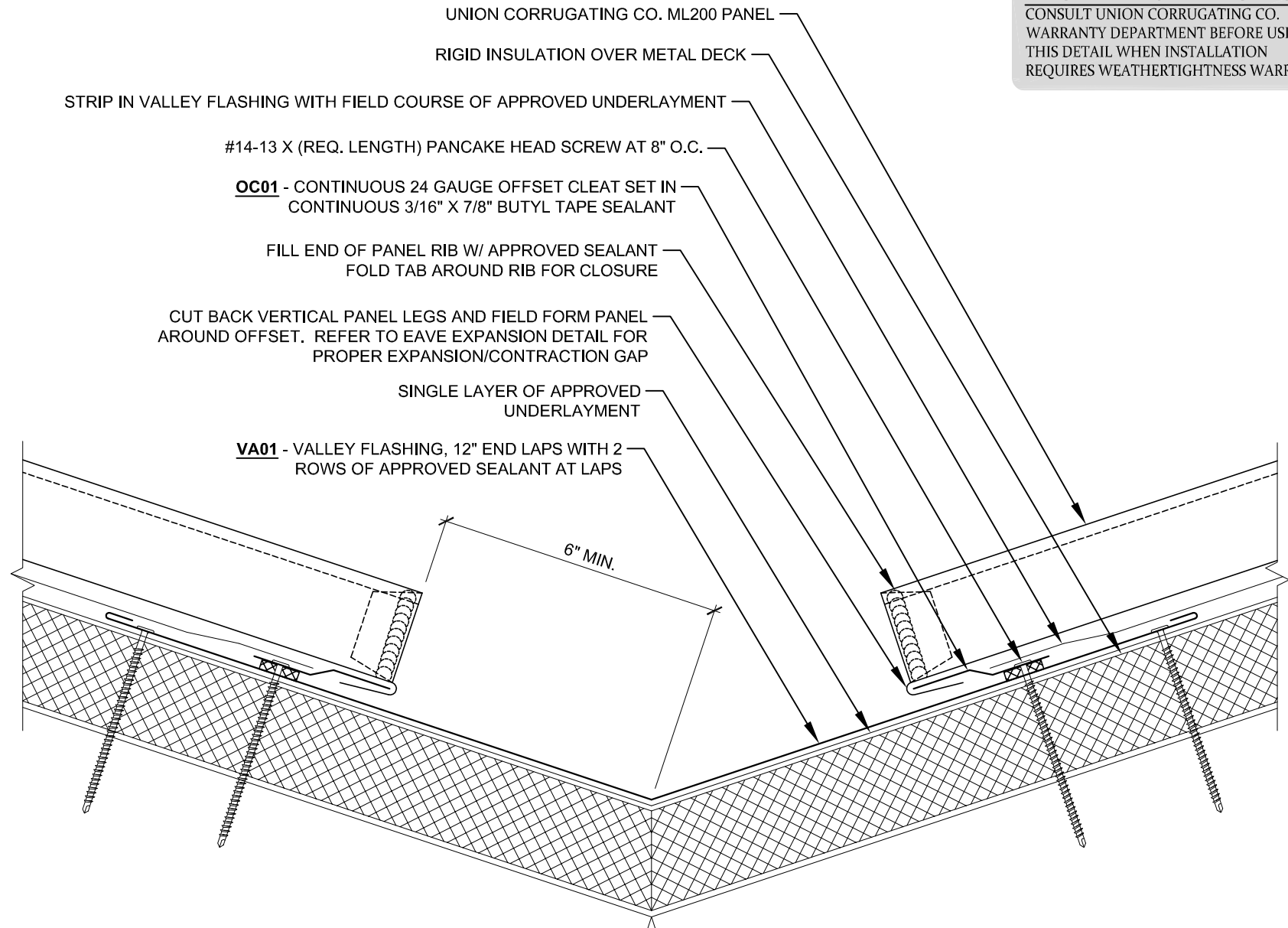
Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

IMPORTANT INSTALLATION NOTE
 CONSULT UNION CORRUGATING CO.
 WARRANTY DEPARTMENT BEFORE USING
 THIS DETAIL WHEN INSTALLATION
 REQUIRES WEATHERTIGHTNESS WARRANTY.



Description:

VALLEY - WITH OFFSET CLEAT

Detail No.:

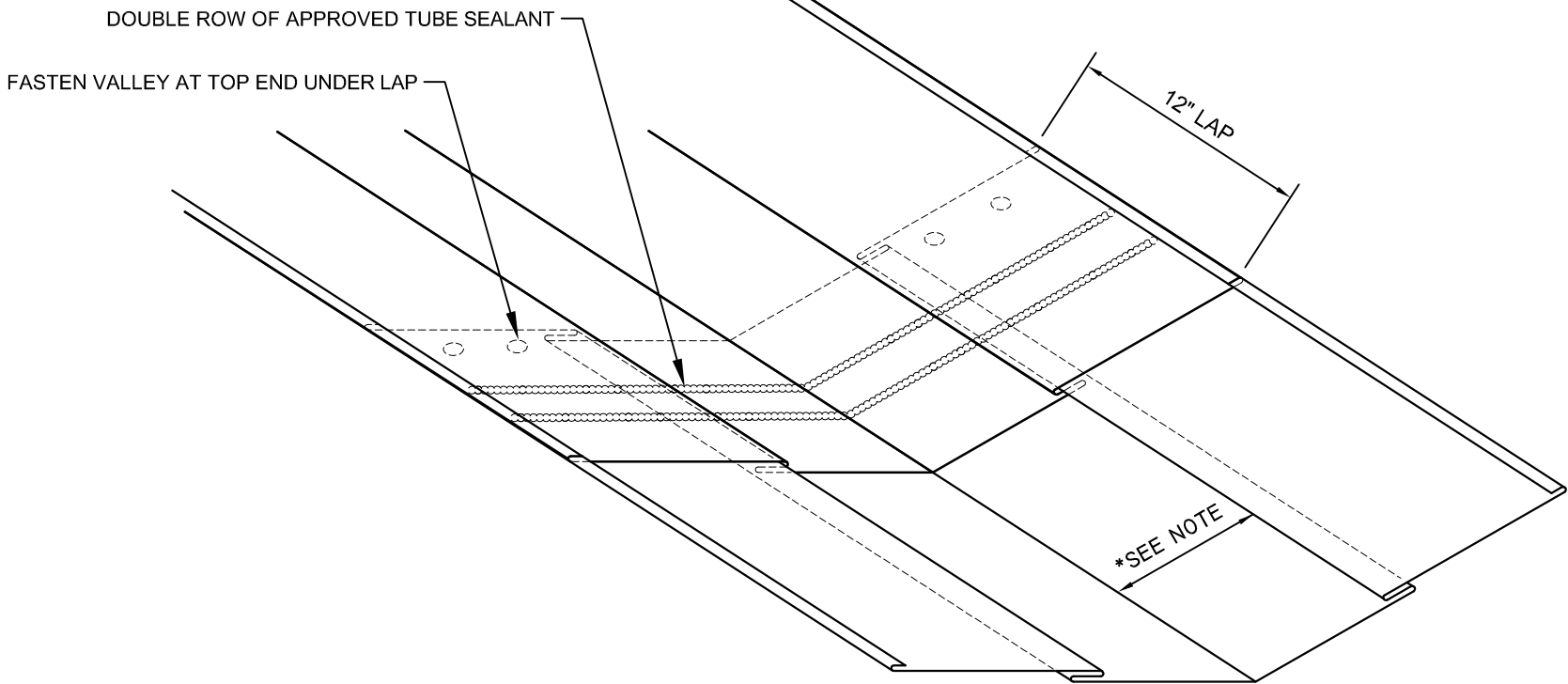
ML200-MD-3.20

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



DOUBLE ROW OF APPROVED TUBE SEALANT

FASTEN VALLEY AT TOP END UNDER LAP

12" LAP

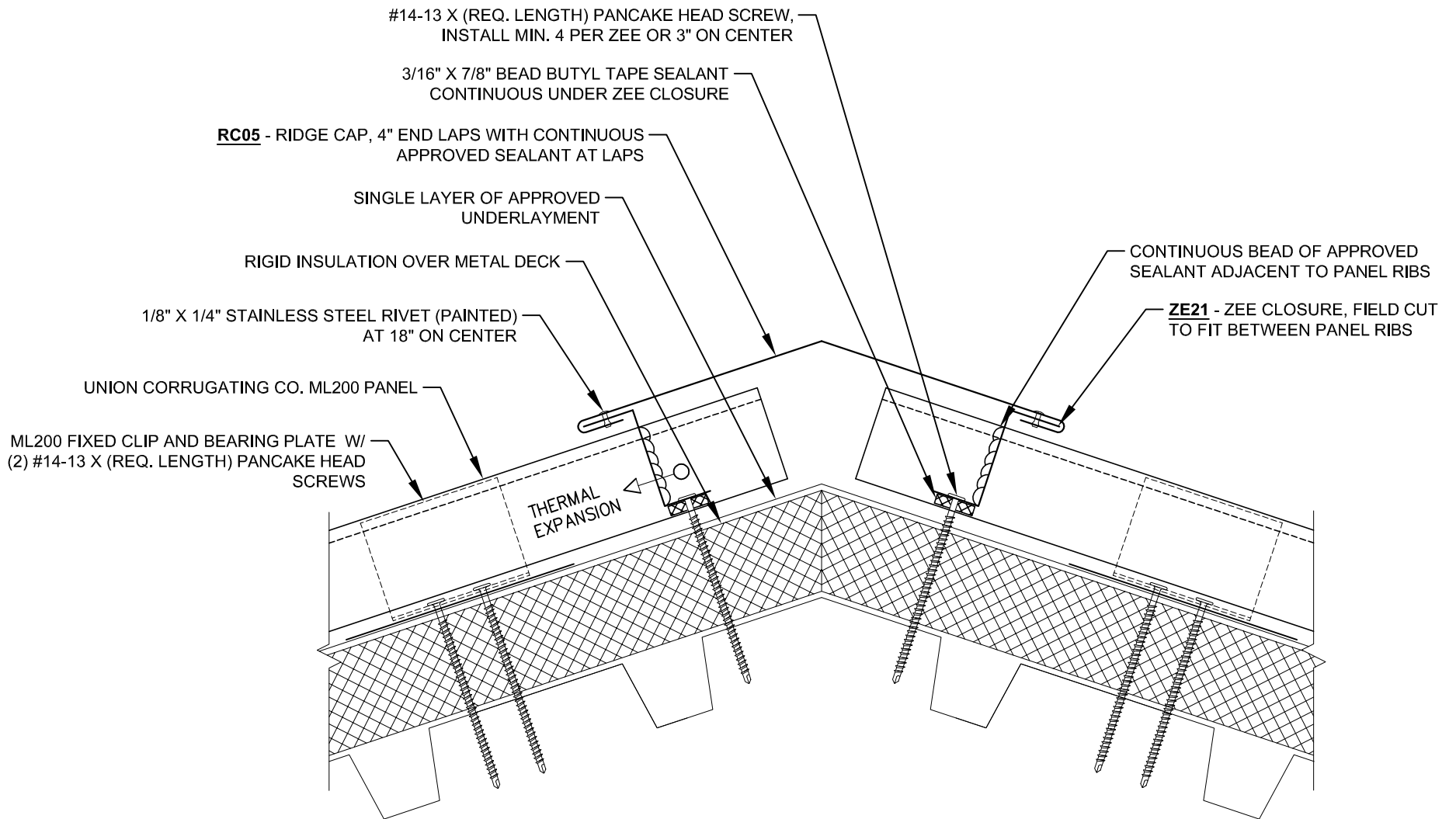
*SEE NOTE

TELESCOPING VALLEY FLASHING LAP

IMPORTANT INSTALLATION NOTE
 EACH VALLEY SECTION IS MADE
 PROGRESSIVELY SMALLER TO ALLOW
 UPPER SECTION TO INSERT INTO LOWER
 SECTION. NO FIELD NOTCHING AT LAP.



Description:	VALLEY LAP DETAIL		Detail No.:	ML200-3.90
				Substrate:
				Location:



Description:

HIP AND RIDGE DETAIL - FIXED CLIP

Detail No.:

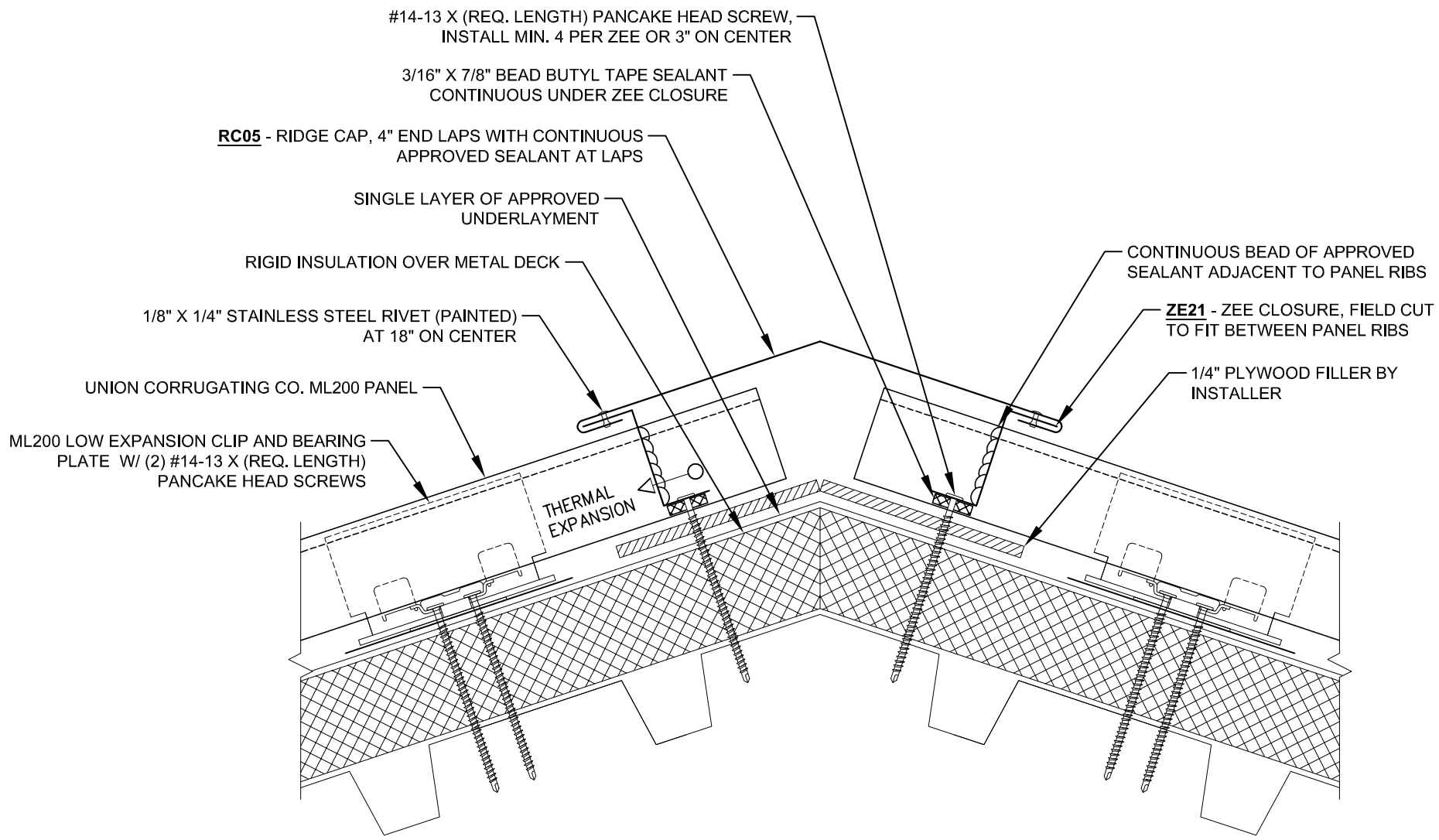
ML200-MD-4.10_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

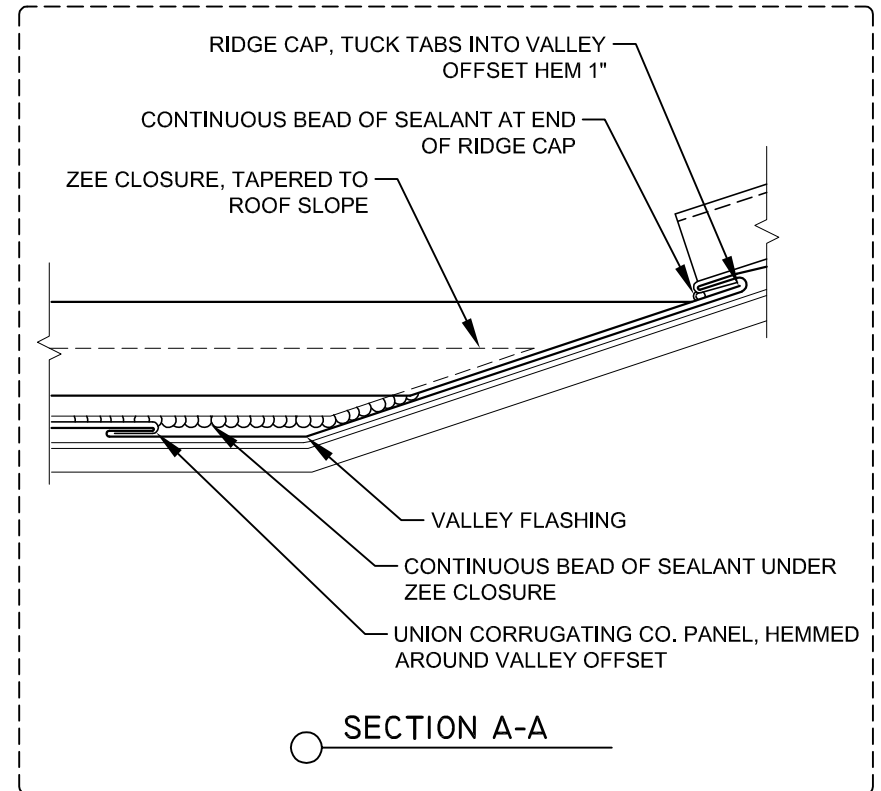
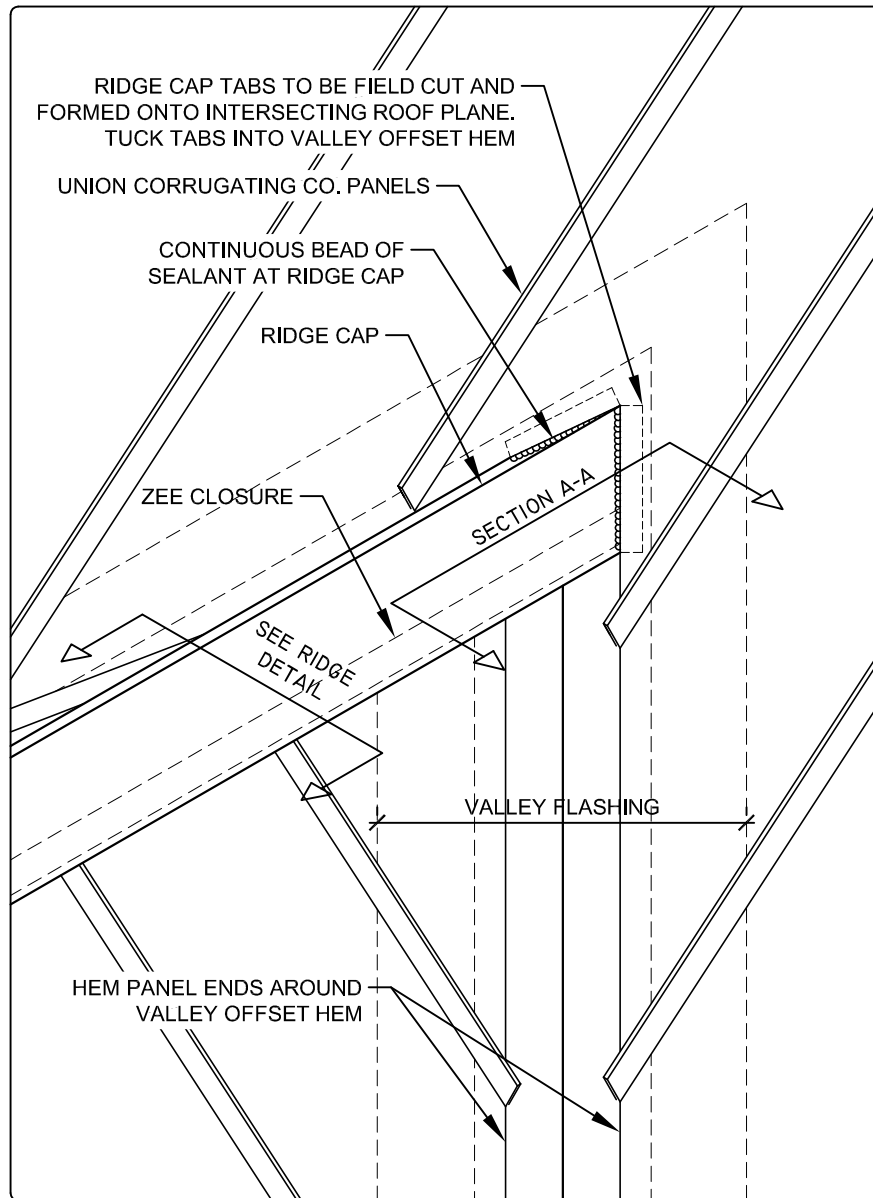


Description: **HIP AND RIDGE DETAIL - EXPANSION CLIP**

Detail No.: **ML200-MD-4.10_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



Description:

RIDGE TERMINATION @ VALLEY

Detail No.:

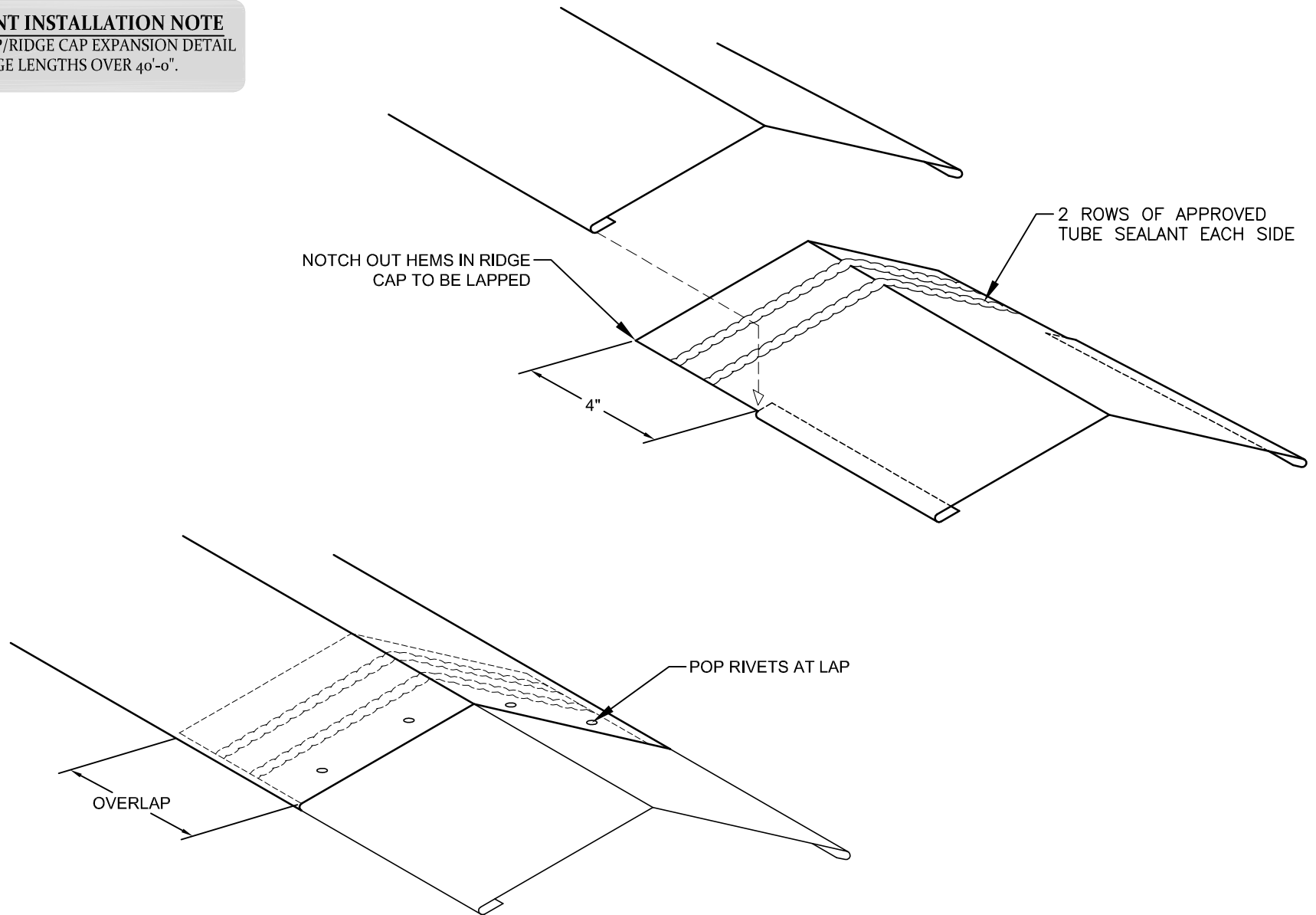
ML200-4.40

Substrate:

Project Name:

Location:

IMPORTANT INSTALLATION NOTE
REFER TO HIP/RIDGE CAP EXPANSION DETAIL
FOR HIP/RIDGE LENGTHS OVER 40'-0".



Description:

HIP & RIDGE CAP LAP DETAIL

Detail No.:

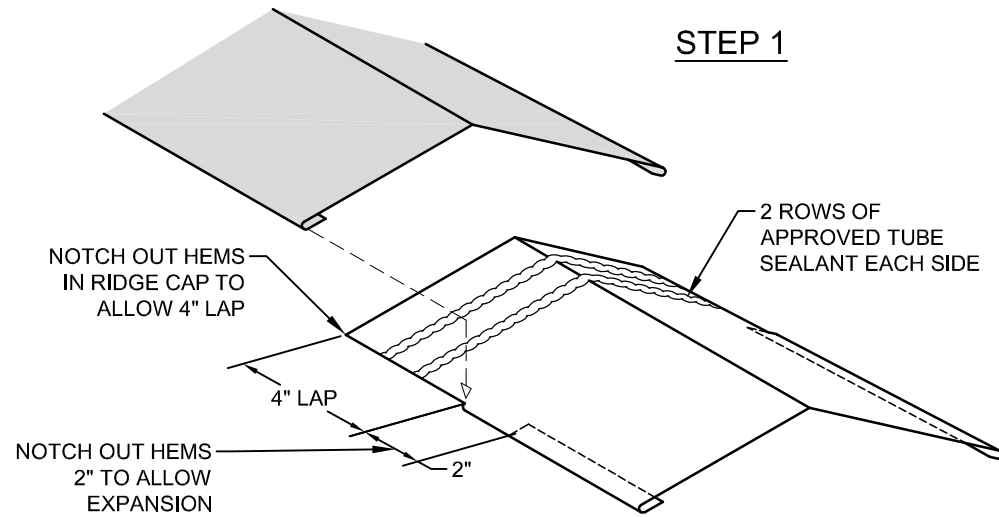
ML200-4.90

Substrate:

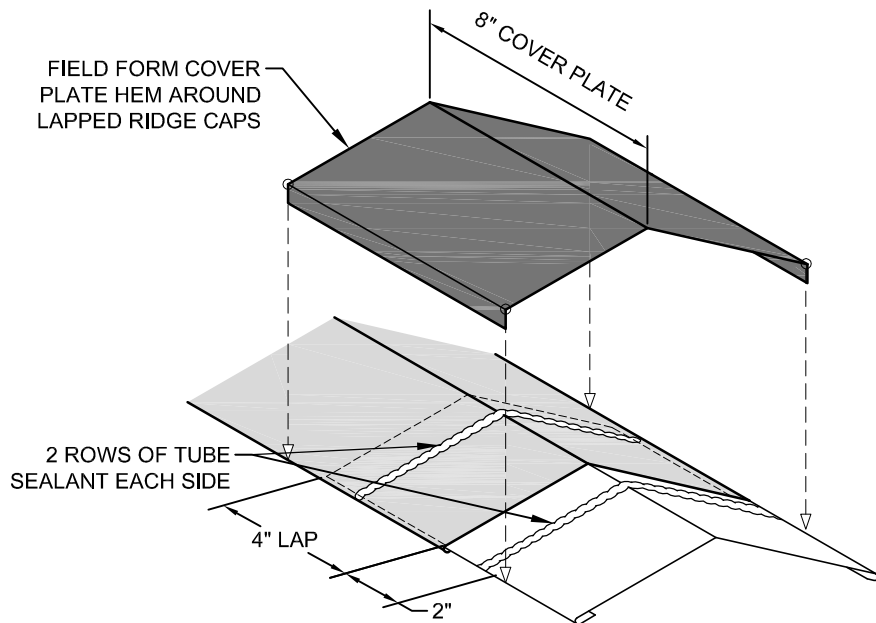
Project Name:

Location:

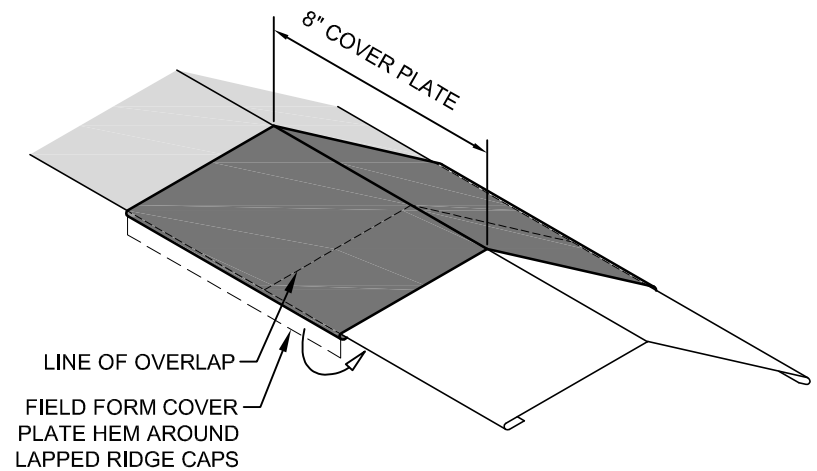
STEP 1



IMPORTANT INSTALLATION NOTE
USE AT EVERY 40'0" OF CONTINUOUS RIDGE.
DO NOT POP RIVET LAPPED FLASHING.



STEP 2



STEP 3



Description:

HIP & RIDGE CAP EXPANSION

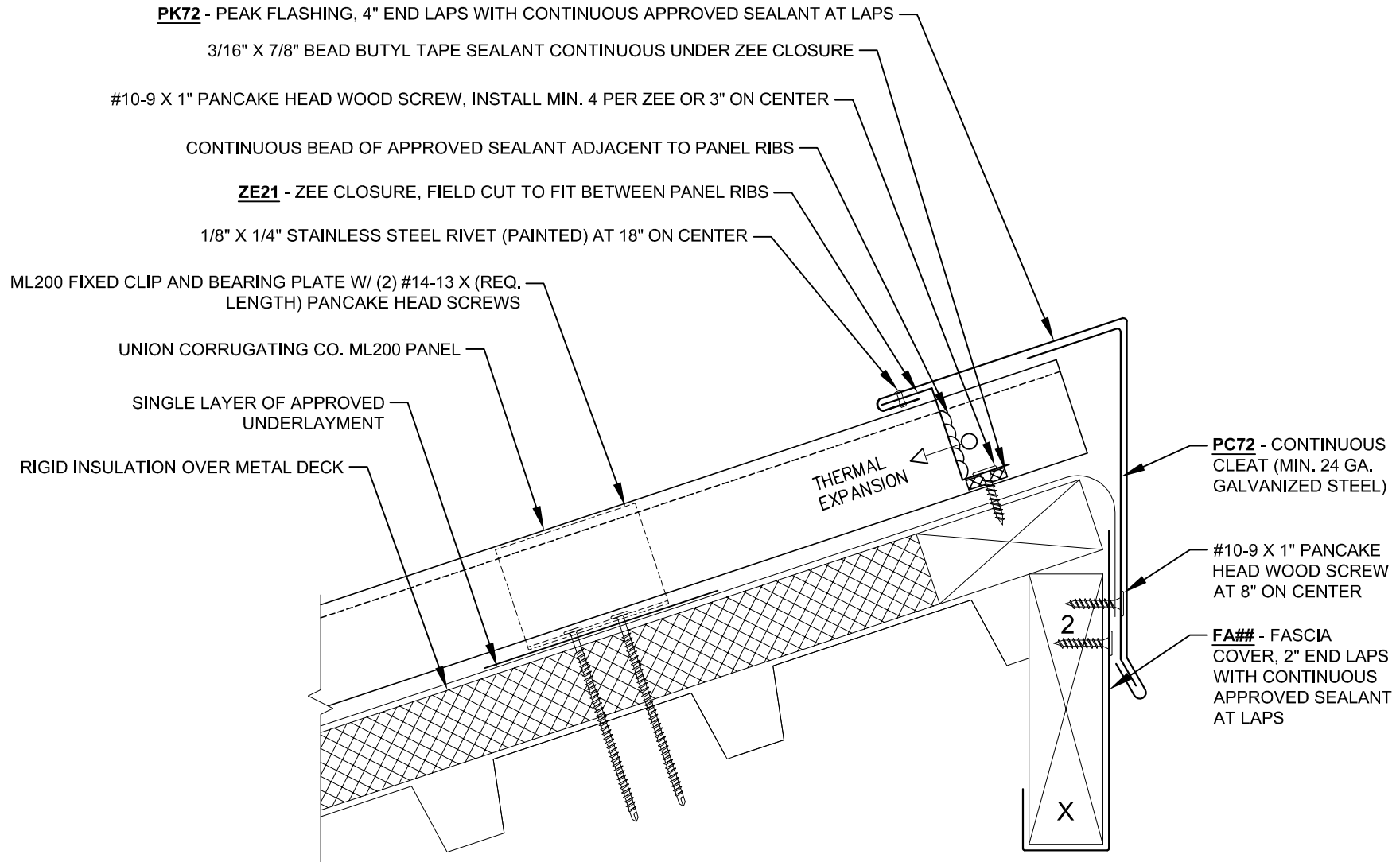
Detail No.:

ML200-4.91

Substrate:

Project Name:

Location:



Description:

PEAK DETAIL - FIXED CLIP

Detail No.:

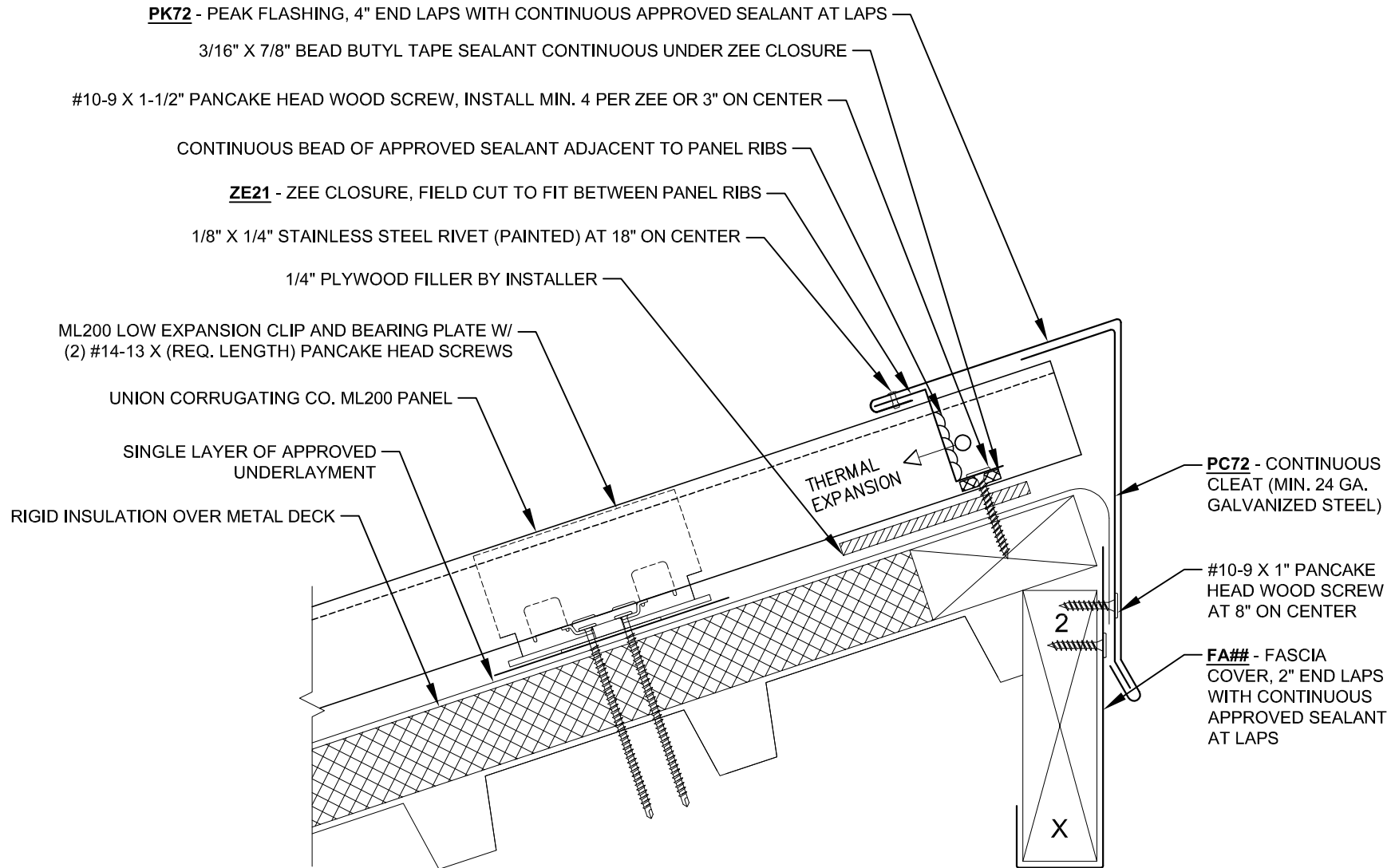
ML200-MD-5.10_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description:

PEAK DETAIL - EXPANSION CLIP

Detail No.:

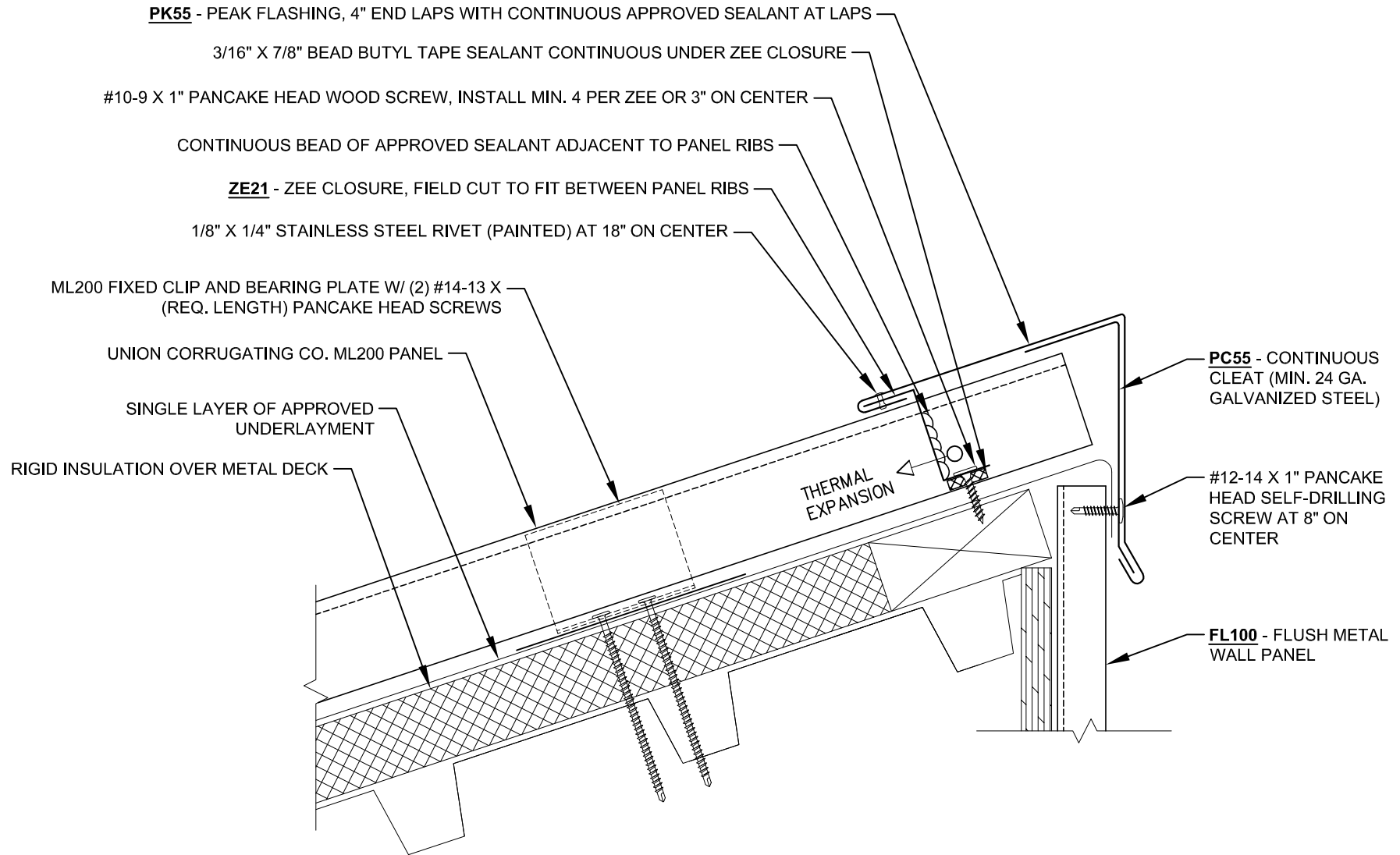
ML200-MD-5.10_EX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

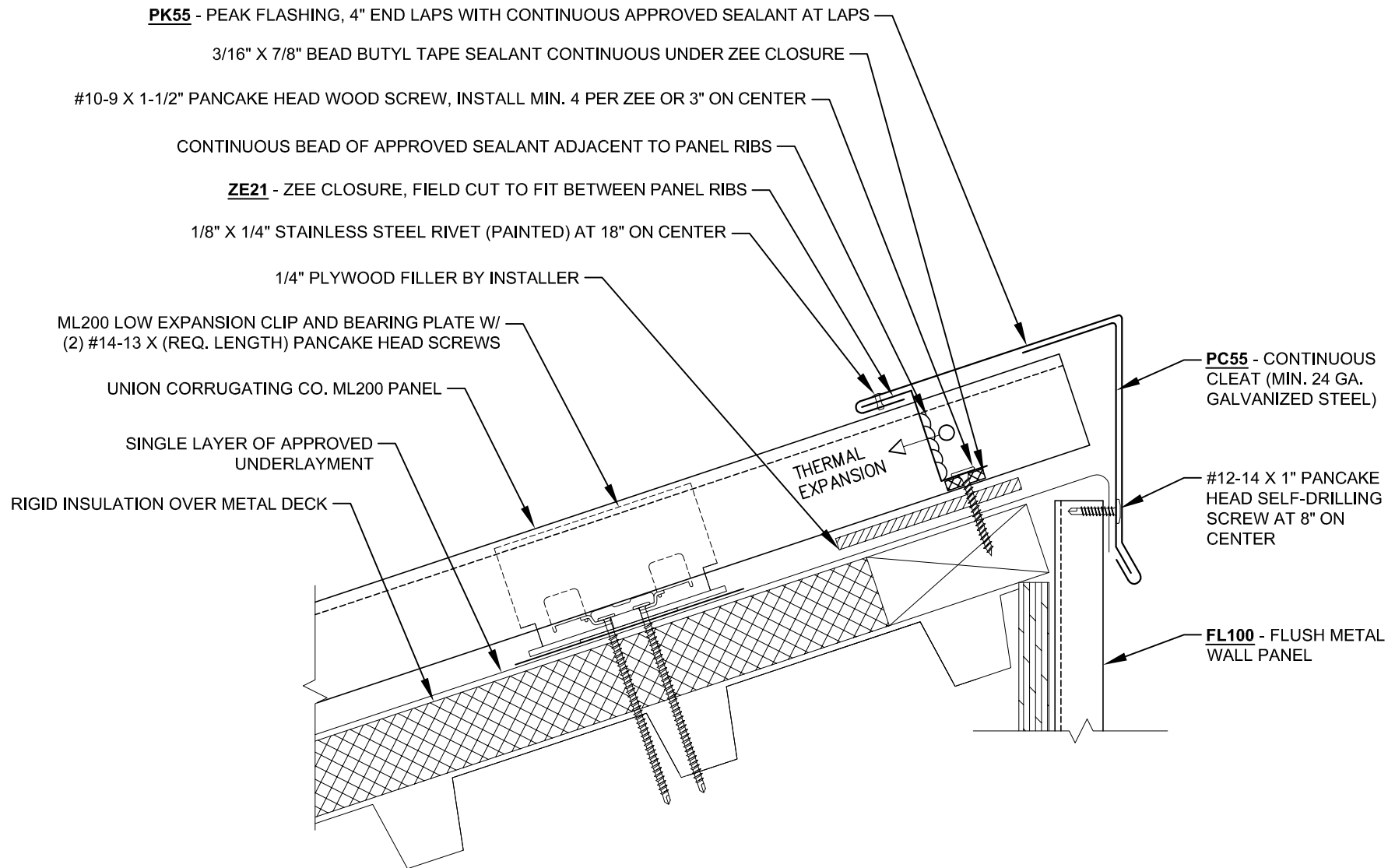


Description: **PEAK DETAIL W/ FLUSH WALL PANEL - FIXED CLIP**

Detail No.:
ML200-MD-5.40_FX

Substrate:
RIGID INSULATION OVER METAL DECK

Project Name:
Location:

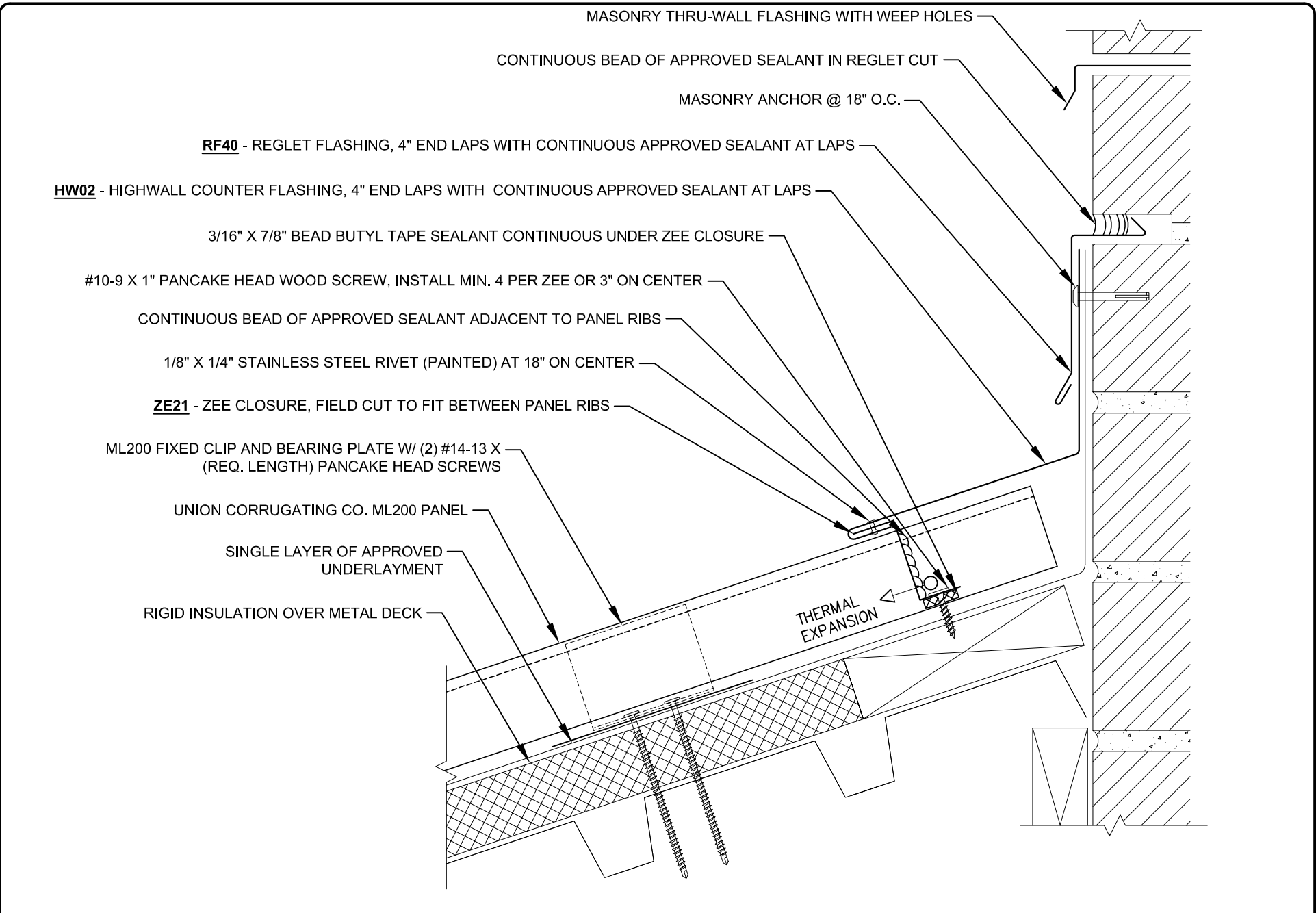


Description: **PEAK DETAIL W/ FLUSH WALL PANEL - EXPANSION CLIP**

Detail No.: **ML200-MD-5.40_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

ML200 FIXED CLIP AND BEARING PLATE W/ (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

UNION CORRUGATING CO. ML200 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL EXPANSION

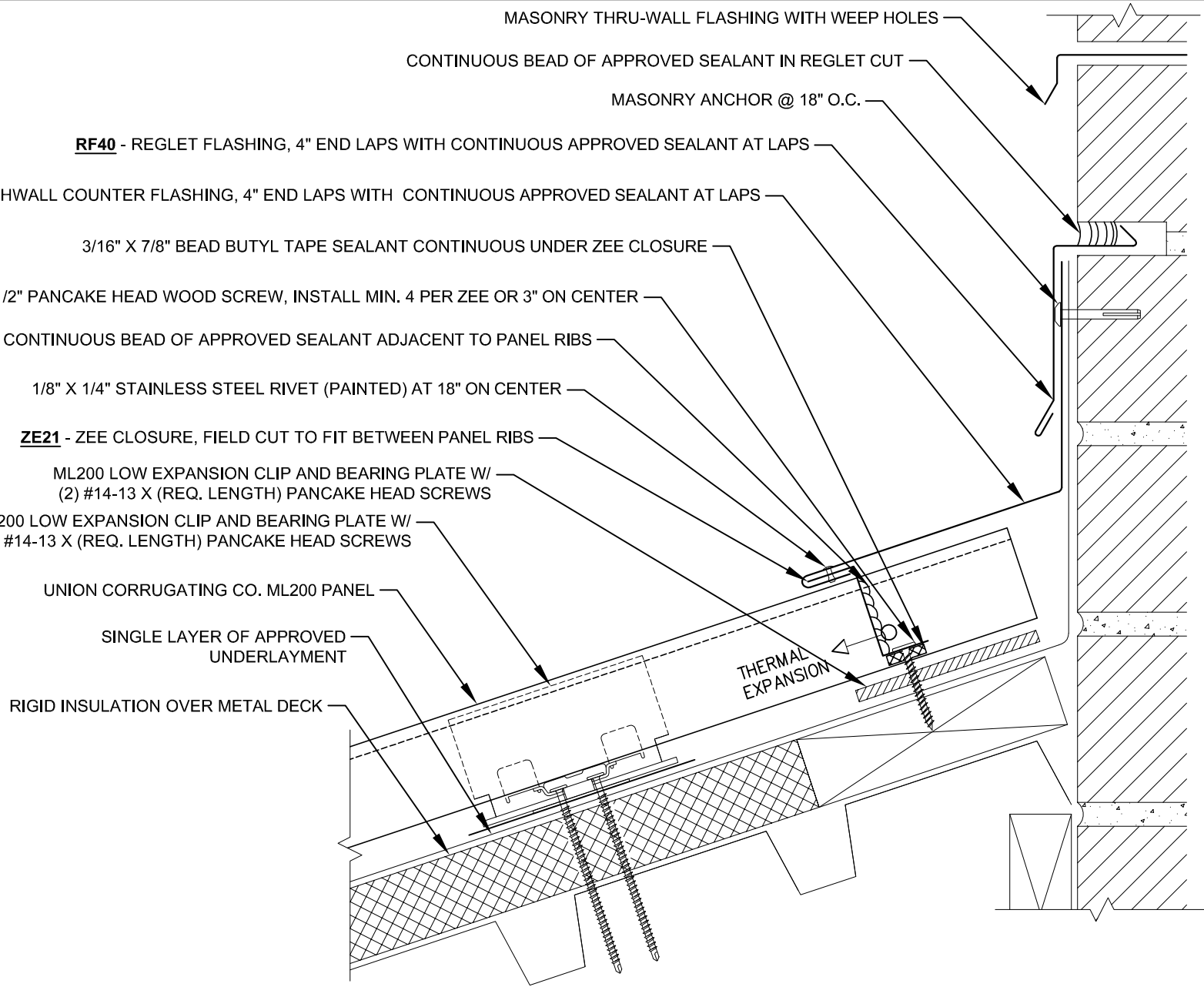


Description: **HIGH WALL DETAIL - REGLET - FIXED CLIP**

Detail No.: **ML200-MD-6.10_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1-1/2" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

ML200 LOW EXPANSION CLIP AND BEARING PLATE W/
(2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

ML200 LOW EXPANSION CLIP AND BEARING PLATE W/
(2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

UNION CORRUGATING CO. ML200 PANEL

SINGLE LAYER OF APPROVED
UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL
EXPANSION

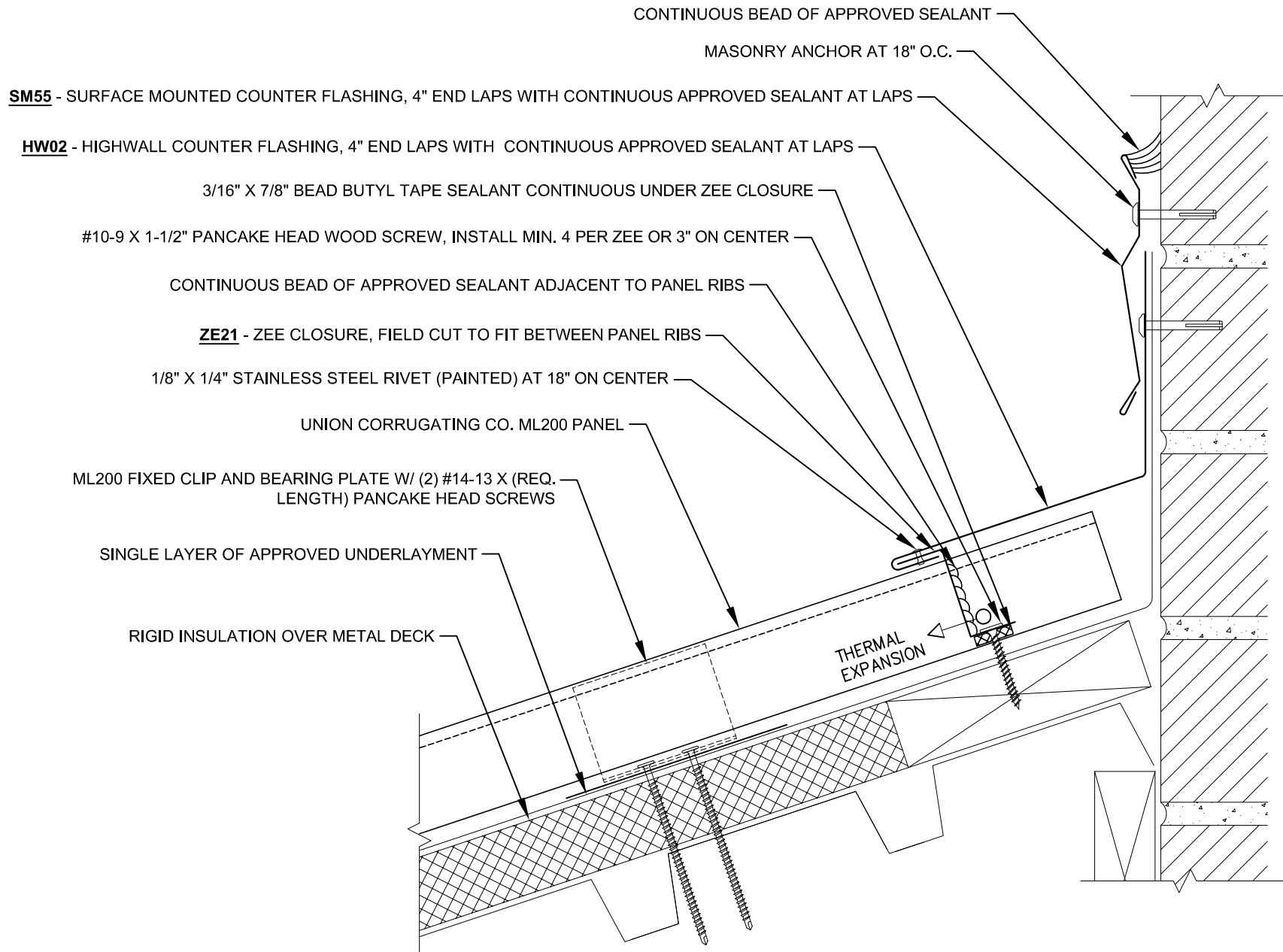


Description: **HIGH WALL DETAIL - REGLET - EXPANSION CLIP**

Detail No.: **ML200-MD-6.10_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



SM55 - SURFACE MOUNTED COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1-1/2" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

UNION CORRUGATING CO. ML200 PANEL

ML200 FIXED CLIP AND BEARING PLATE W/ (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

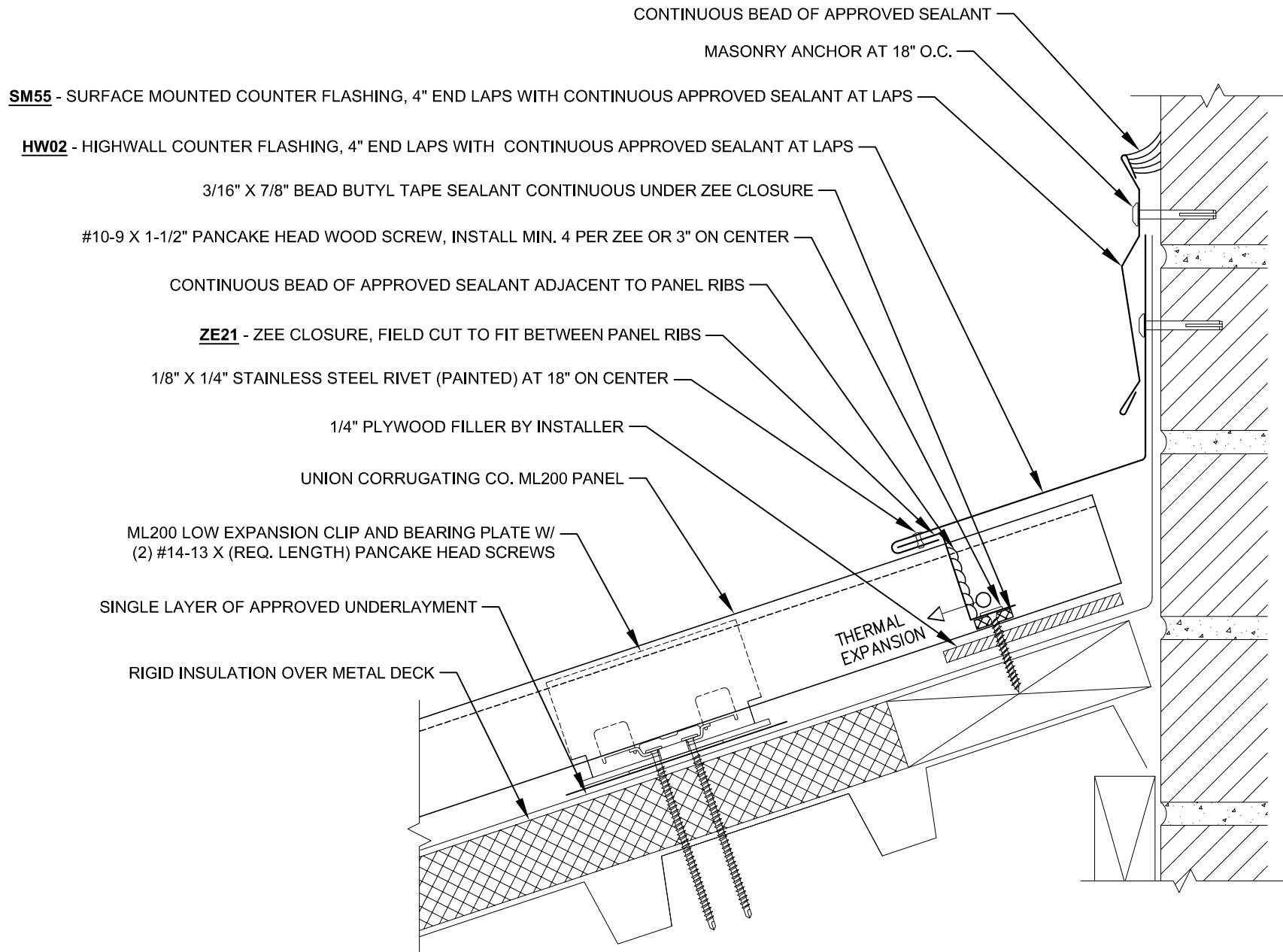
THERMAL EXPANSION



Description: **HIGH WALL DETAIL - SURFACE MOUNT - FIXED CLIP**
 Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-6.12_FX**

Project Name:
Location:



SM55 - SURFACE MOUNTED COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1-1/2" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

1/4" PLYWOOD FILLER BY INSTALLER

UNION CORRUGATING CO. ML200 PANEL

ML200 LOW EXPANSION CLIP AND BEARING PLATE W/
(2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL EXPANSION

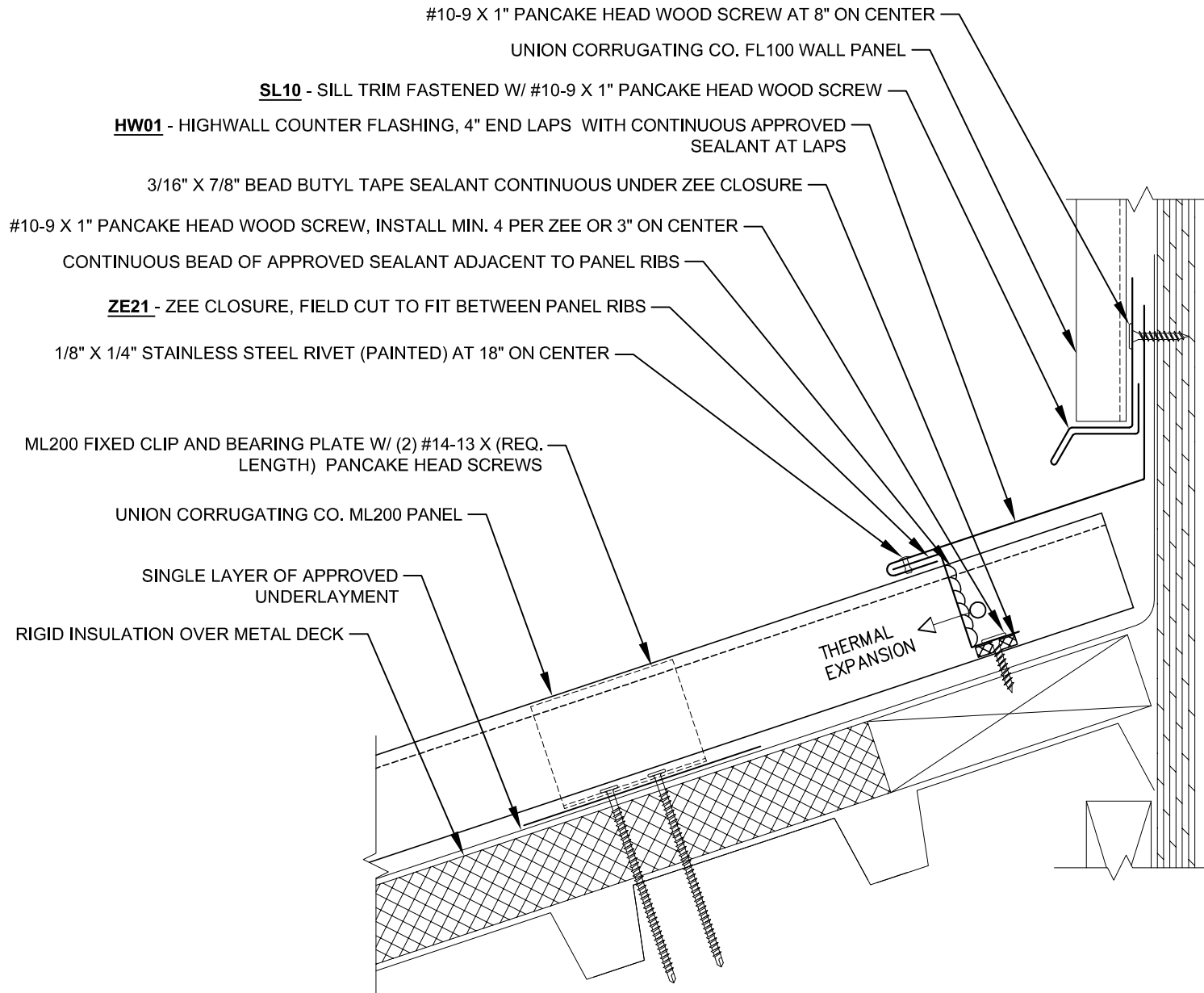


Description: **HIGH WALL DETAIL - SURFACE MOUNT - EXPANSION CLIP**

Detail No.: **ML200-MD-6.12_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

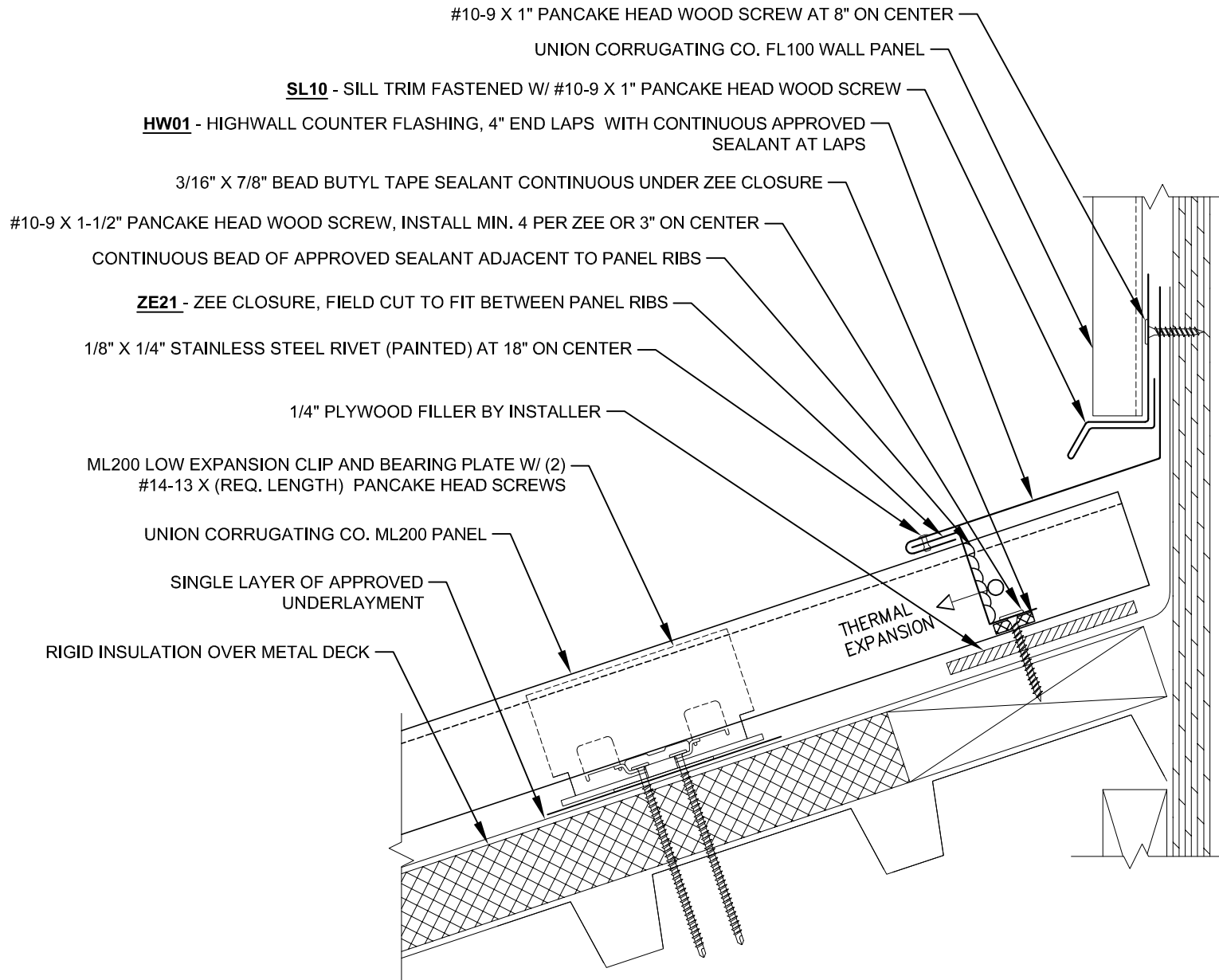


Description: **HIGH WALL DETAIL - WALL PANEL W/ SILL - FIXED CLIP**

Detail No.: **ML200-MD-6.14_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



Description: **HIGH WALL DETAIL - WALL PANEL W/ SILL - EXPANSION CLIP**

Detail No.: **ML200-MD-6.14_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

MEMBRANE ROOFING SYSTEM. EXTEND OVER PARAPET AND DOWN FACE OF WALL MINIMUM 3"

COPING SYSTEM WITH CONTINUOUS CLEAT (MIN. 24 GAUGE) FASTENED AT 8" ON CENTER AT CLEAT AND 24" ON CENTER AT REAR. INSTALL WITH 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS.

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

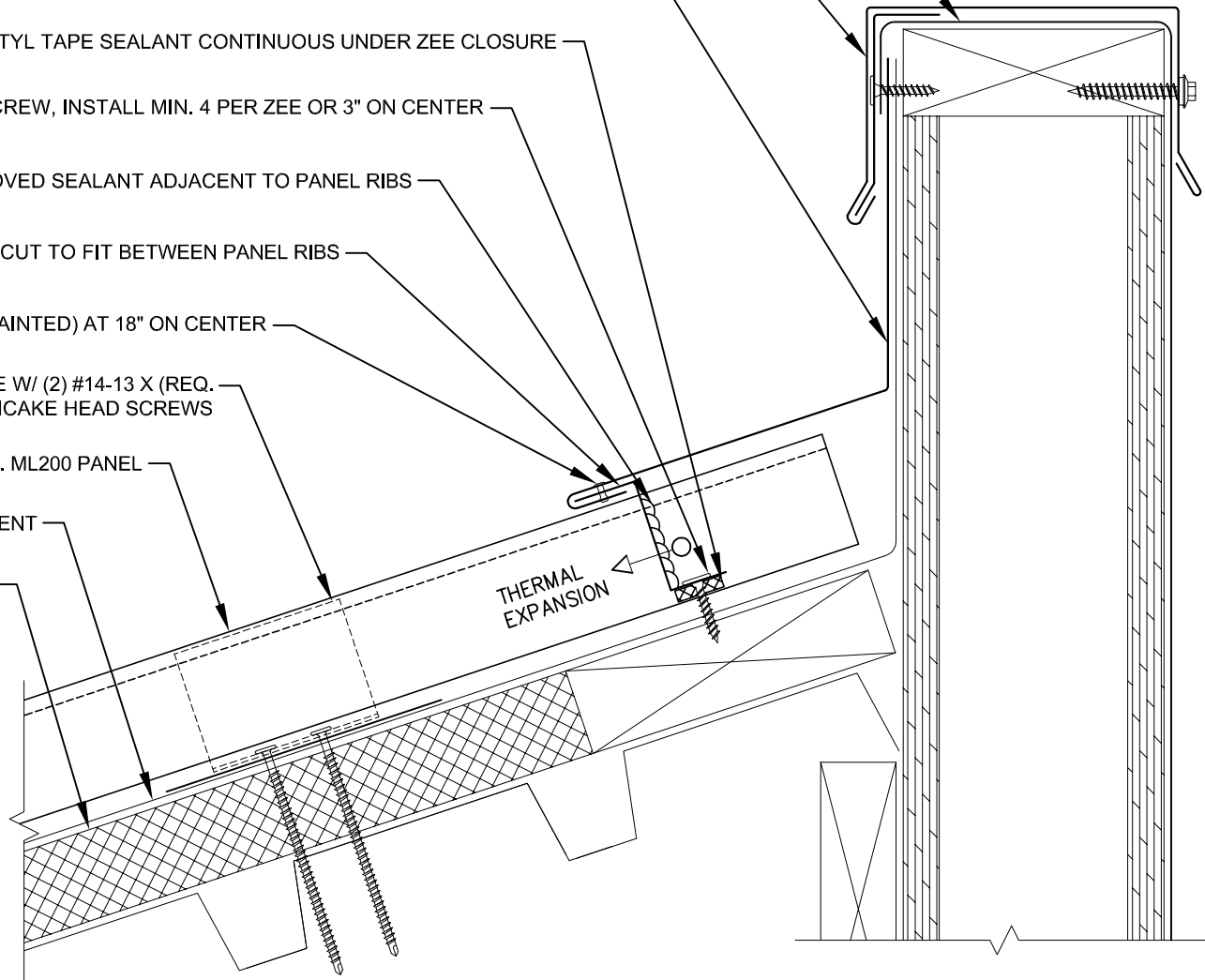
ML200 FIXED CLIP AND BEARING PLATE W/ (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

UNION CORRUGATING CO. ML200 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL EXPANSION



Description: **HIGH WALL DETAIL - PARAPET COPING - FIXED CLIP**

Detail No.: **ML200-MD-6.20_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:

Location:

MEMBRANE ROOFING SYSTEM. EXTEND OVER PARAPET AND DOWN FACE OF WALL MINIMUM 3"

COPING SYSTEM WITH CONTINUOUS CLEAT (MIN. 24 GAUGE) FASTENED AT 8" ON CENTER AT CLEAT AND 24" ON CENTER AT REAR. INSTALL WITH 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS.

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1-1/2" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

1/4" PLYWOOD FILLER BY INSTALLER

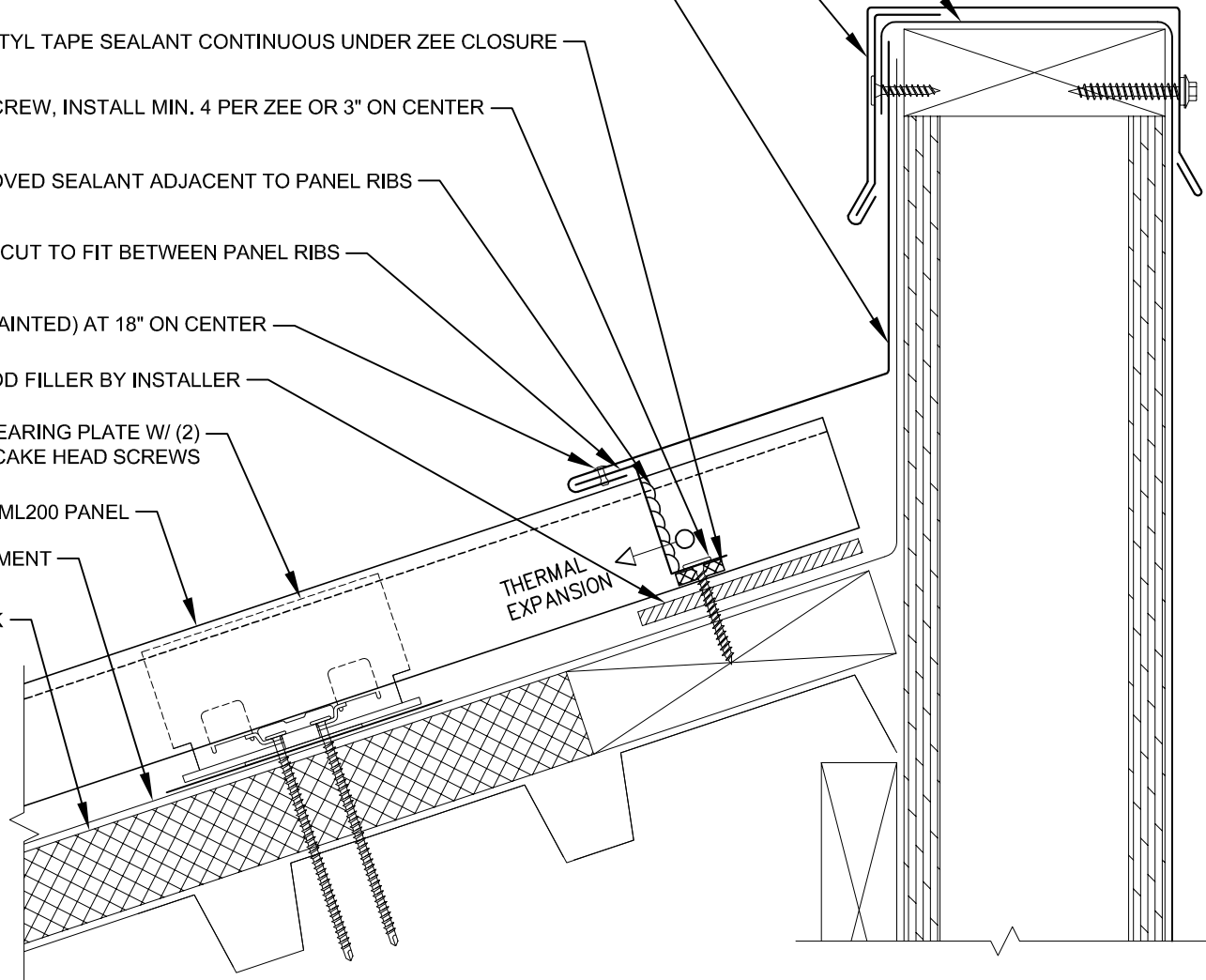
ML200 LOW EXPANSION CLIP AND BEARING PLATE W/ (2)
#14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

UNION CORRUGATING CO. ML200 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL EXPANSION



Description: **HIGH WALL DETAIL - PARAPET COPING - EXPANSION CLIP**

Detail No.: **ML200-MD-6.20_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

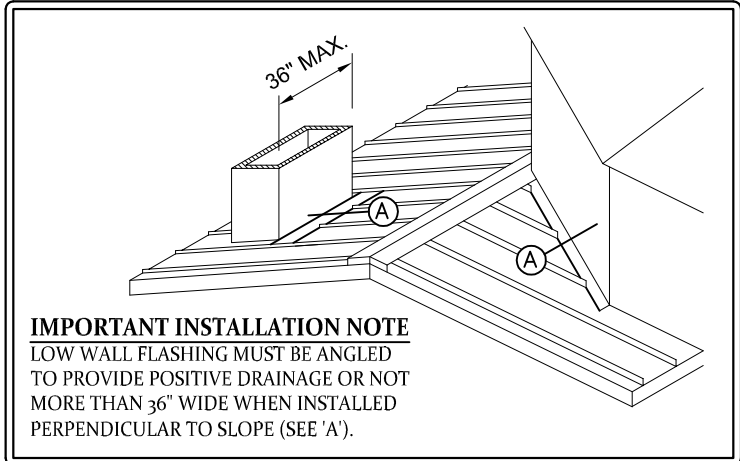
LW01 - LOW WALL FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

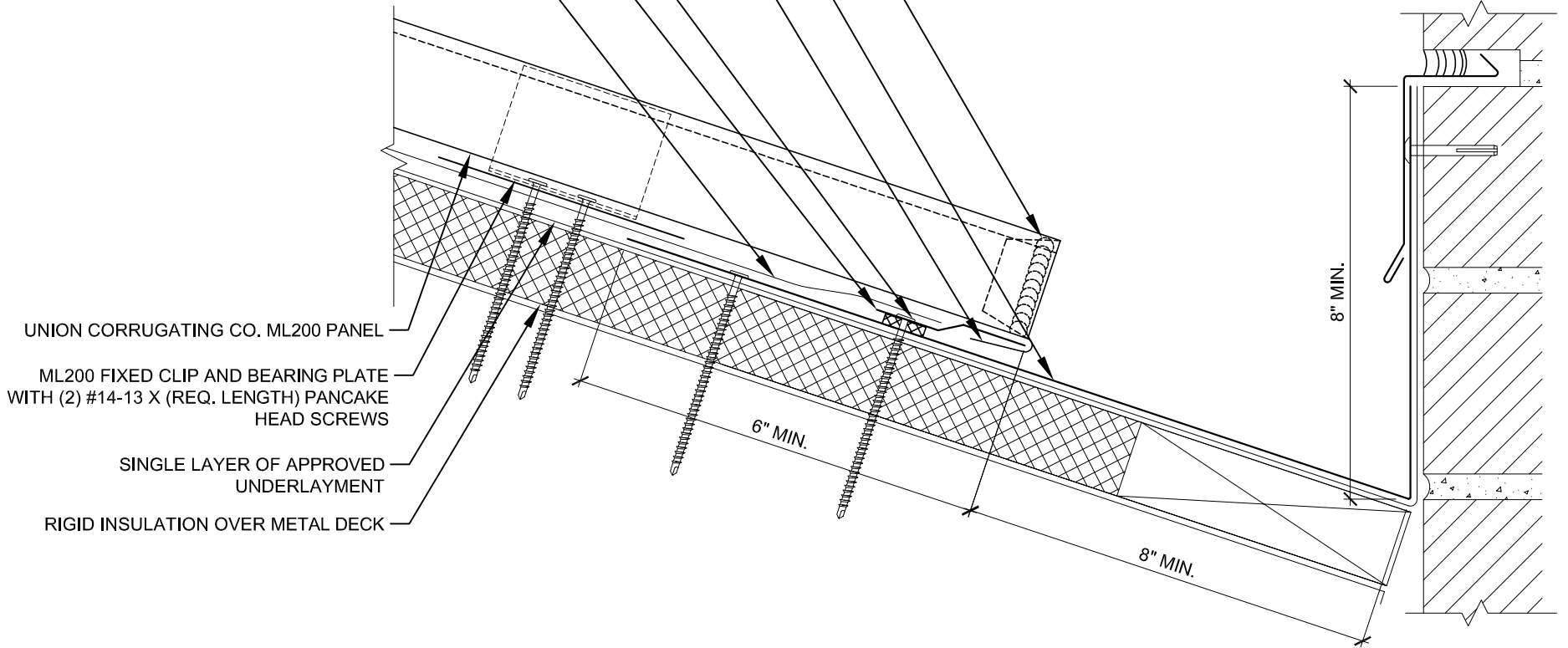
#14-13 X (REQ. LENGTH) PANCAKE HEAD SCREW AT 8" O.C.

OC01 - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

STRIP IN LOW WALL FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT



IMPORTANT INSTALLATION NOTE
 LOW WALL FLASHING MUST BE ANGLED TO PROVIDE POSITIVE DRAINAGE OR NOT MORE THAN 36" WIDE WHEN INSTALLED PERPENDICULAR TO SLOPE (SEE 'A').



UNION CORRUGATING CO. ML200 PANEL

ML200 FIXED CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

6" MIN.

8" MIN.

8" MIN.



Description:

VALLEY WALL DETAIL - FIXED CLIP

Detail No.:

ML200-MD-6.30_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

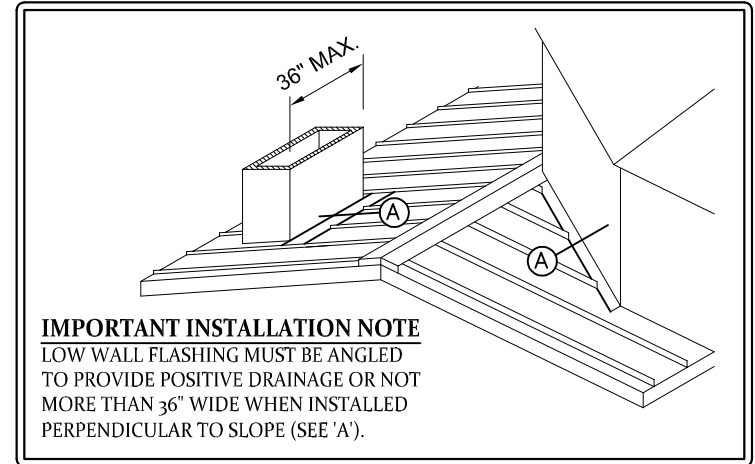
LW01 - LOW WALL FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

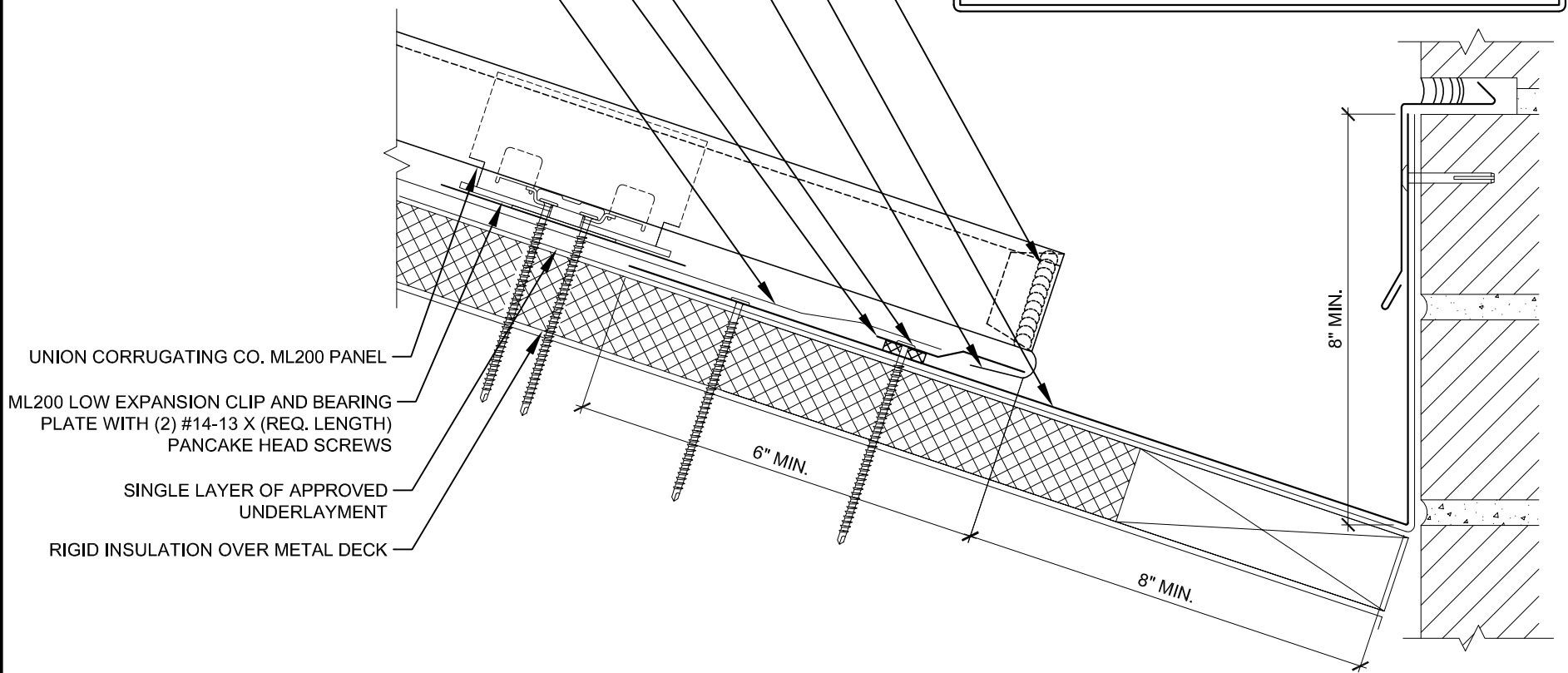
#14-13 X (REQ. LENGTH) PANCAKE HEAD SCREW AT 8" O.C.

OC01 - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

STRIP IN LOW WALL FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT



IMPORTANT INSTALLATION NOTE
 LOW WALL FLASHING MUST BE ANGLED TO PROVIDE POSITIVE DRAINAGE OR NOT MORE THAN 36" WIDE WHEN INSTALLED PERPENDICULAR TO SLOPE (SEE 'A').



UNION CORRUGATING CO. ML200 PANEL

ML200 LOW EXPANSION CLIP AND BEARING PLATE WITH (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

6" MIN.

8" MIN.

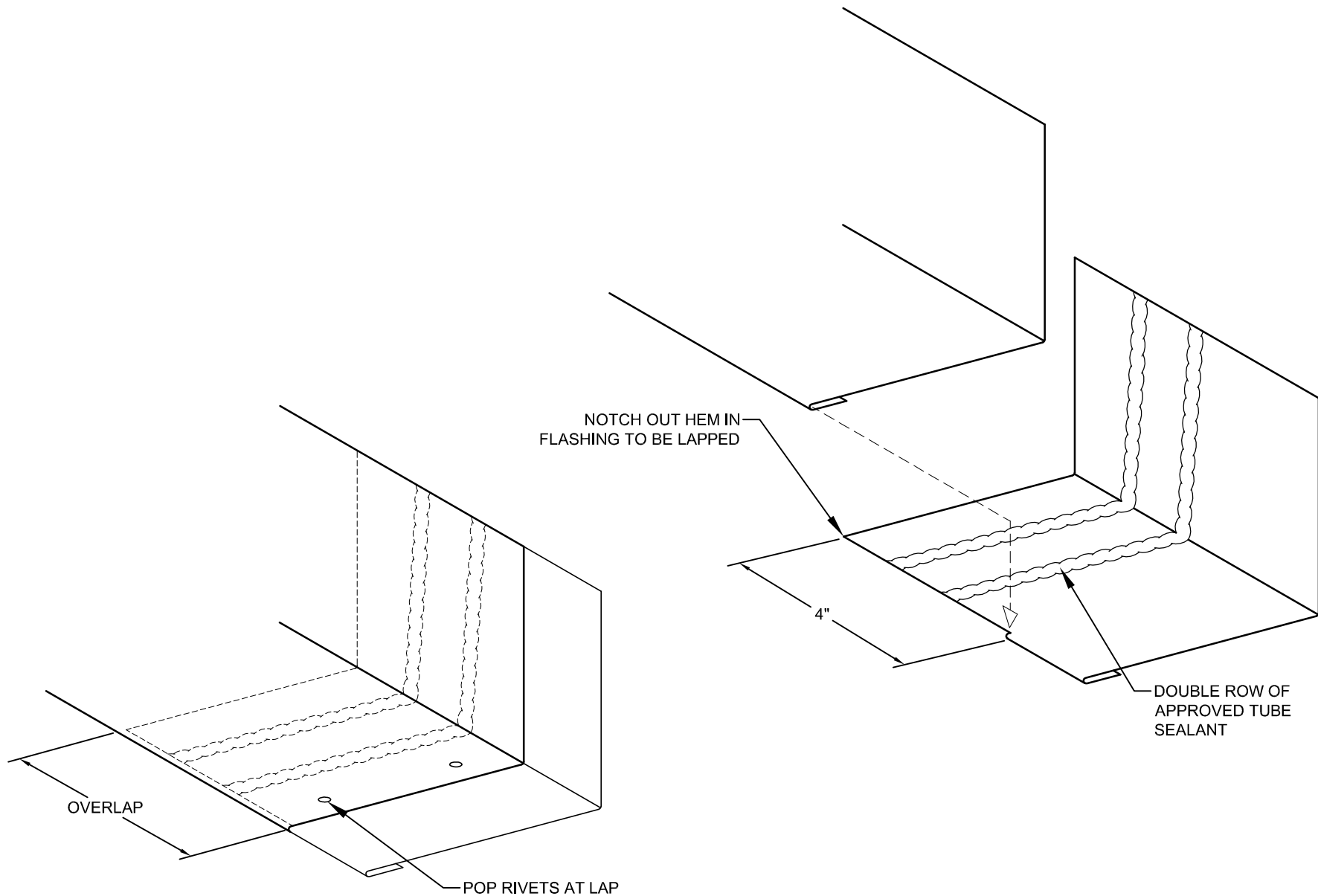
8" MIN.



Description: **VALLEY WALL DETAIL - EXPANSION CLIP**
 Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-6.30_EX**

Project Name:
 Location:



Description:

HIGHWALL LAP DETAIL

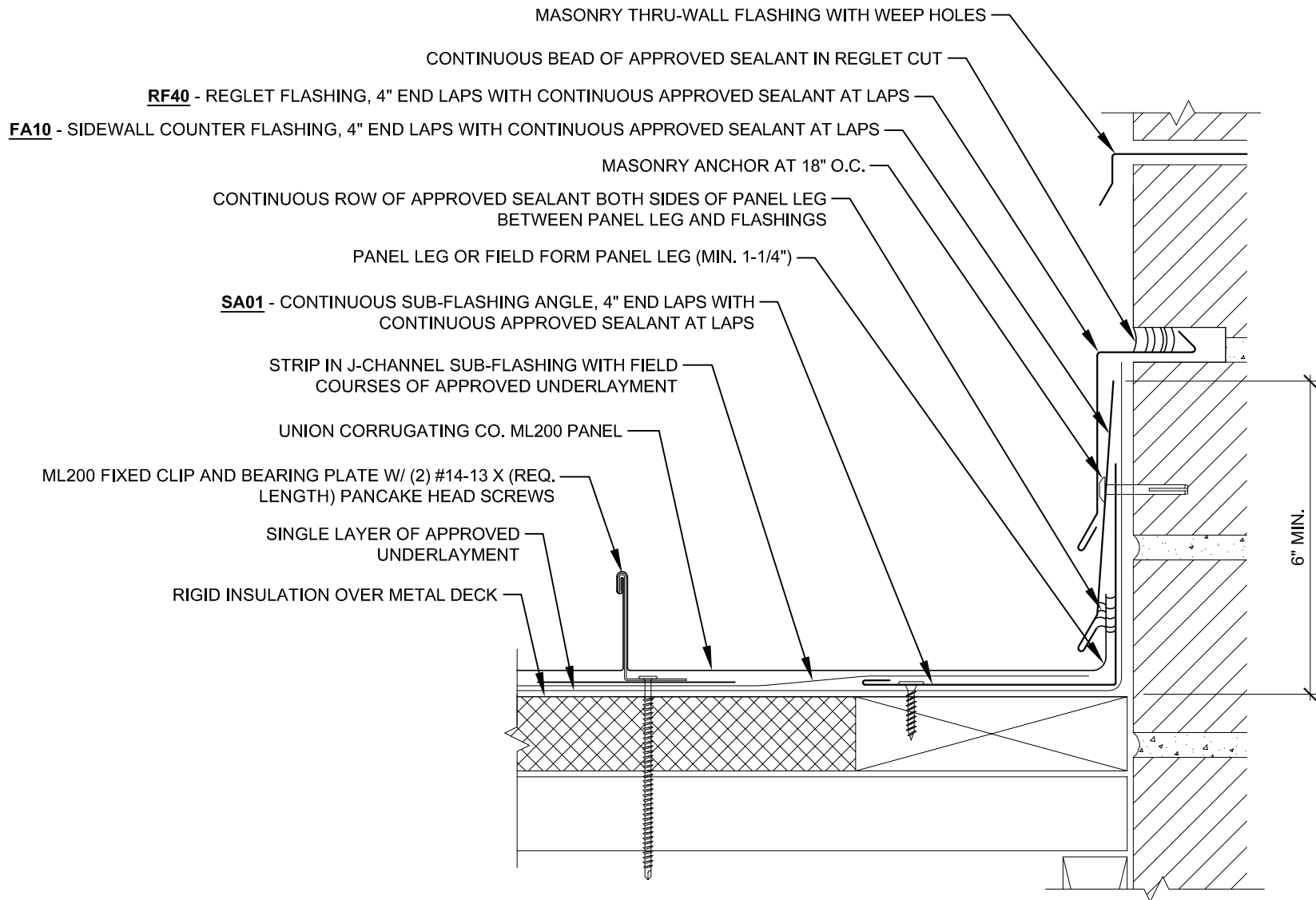
Detail No.:

ML200-6.90

Substrate:

Project Name:

Location:



Description:

SIDEWALL DETAIL - REGLET - FIXED CLIP

Detail No.:

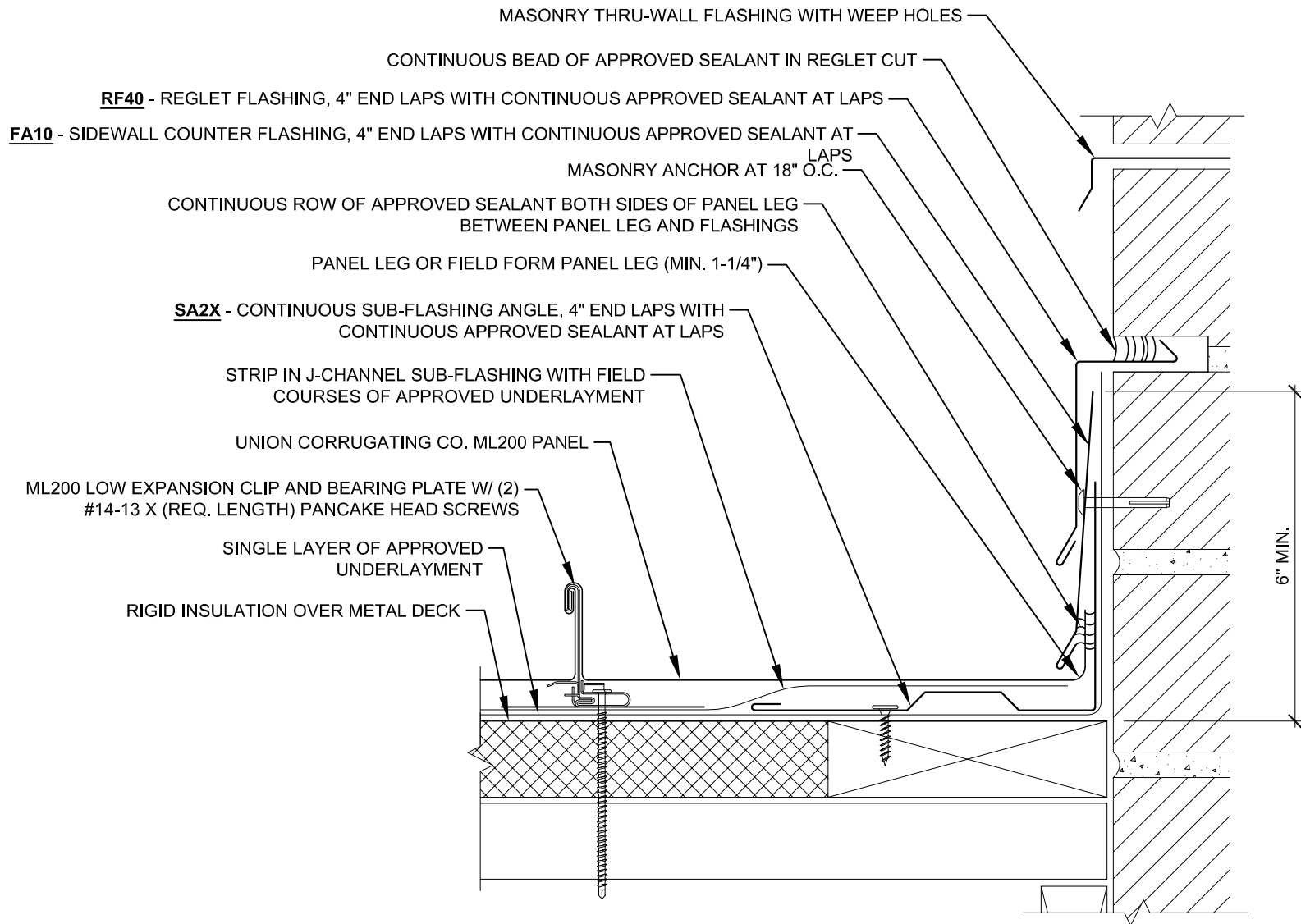
ML200-MD-7.11_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

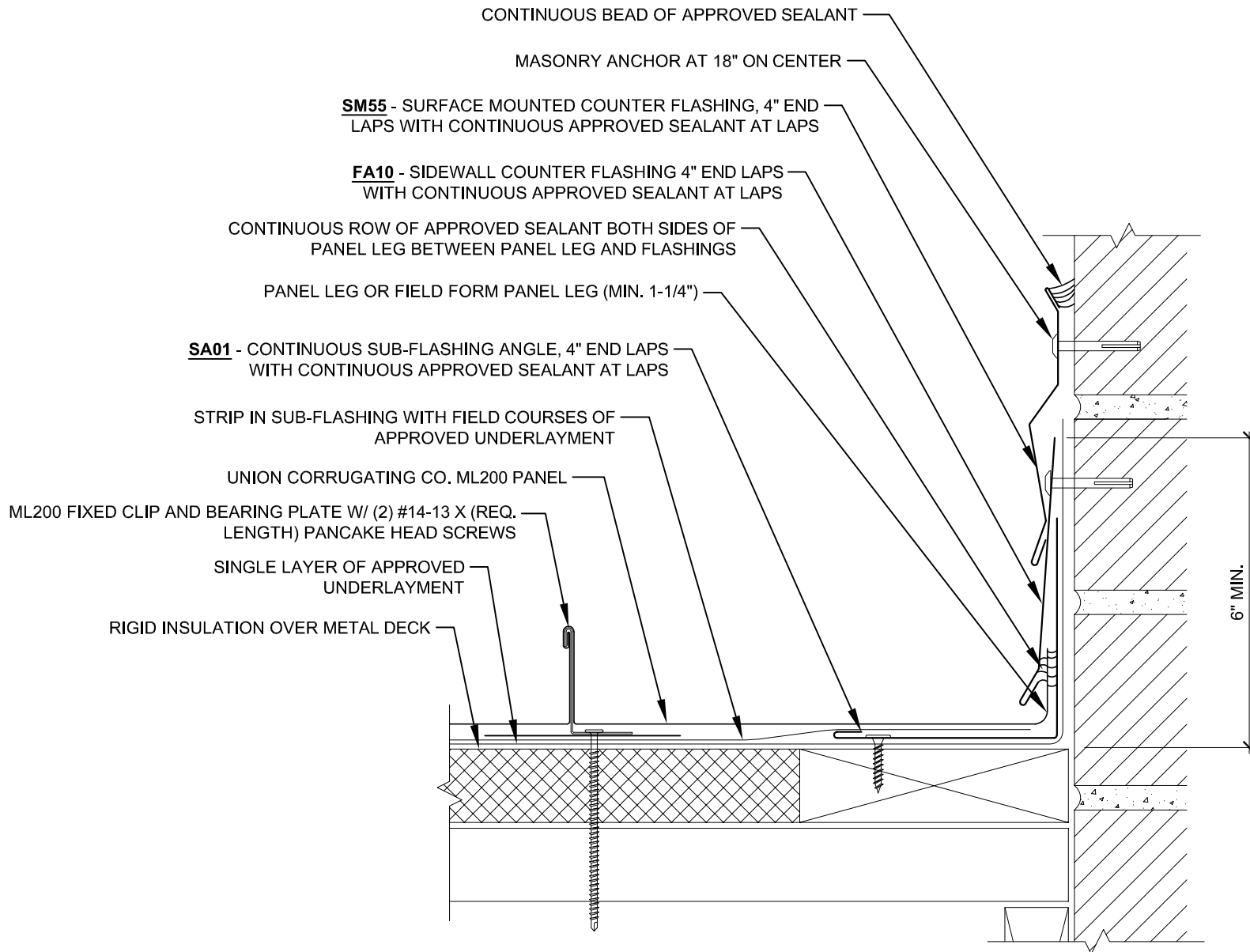


Description: **SIDEWALL DETAIL - REGLET - EXPANSION CLIP**

Detail No.: **ML200-MD-7.11_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

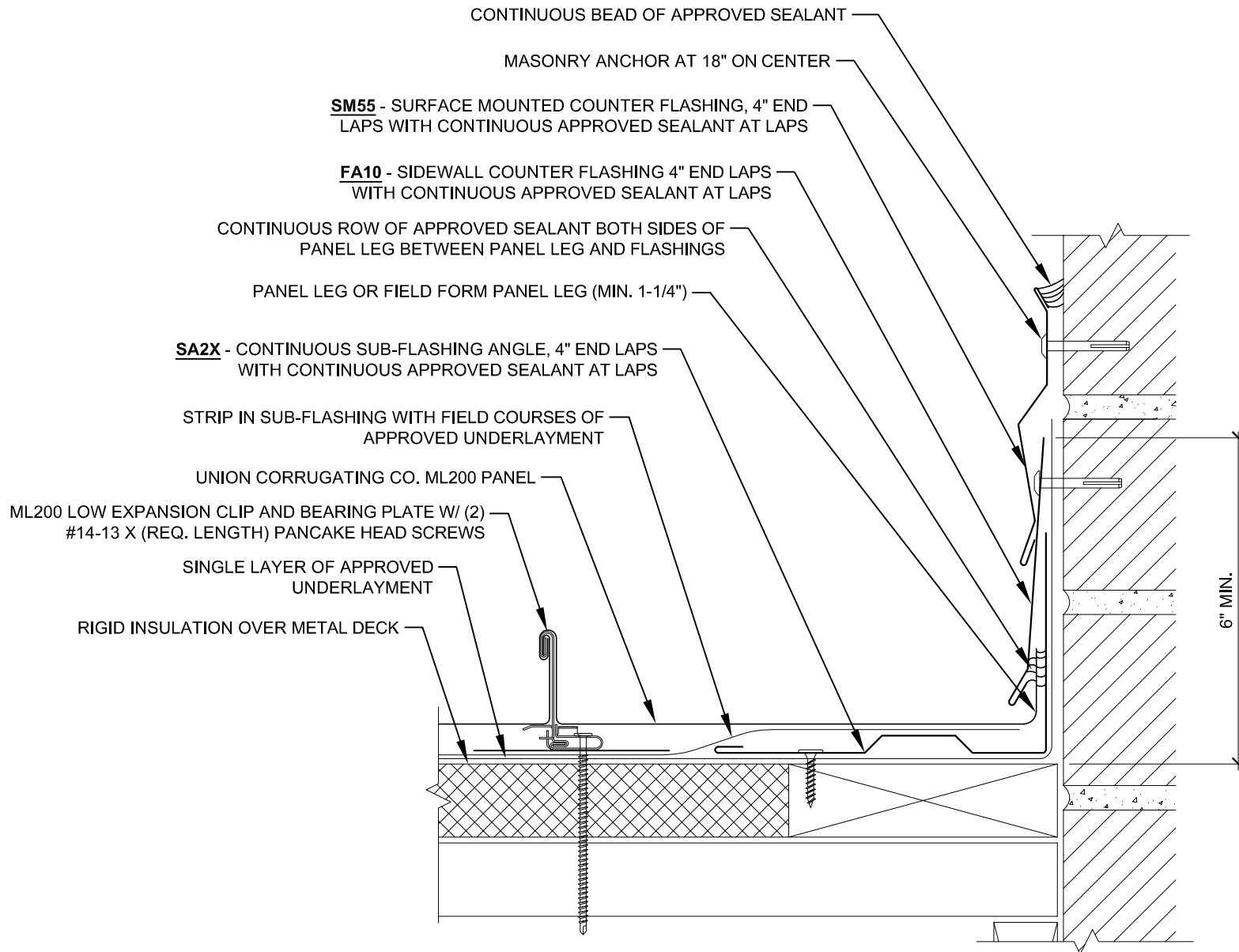


Description: **SIDEWALL DETAIL - SURFACE MOUNT - FIXED CLIP**

Detail No.: **ML200-MD-7.12_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

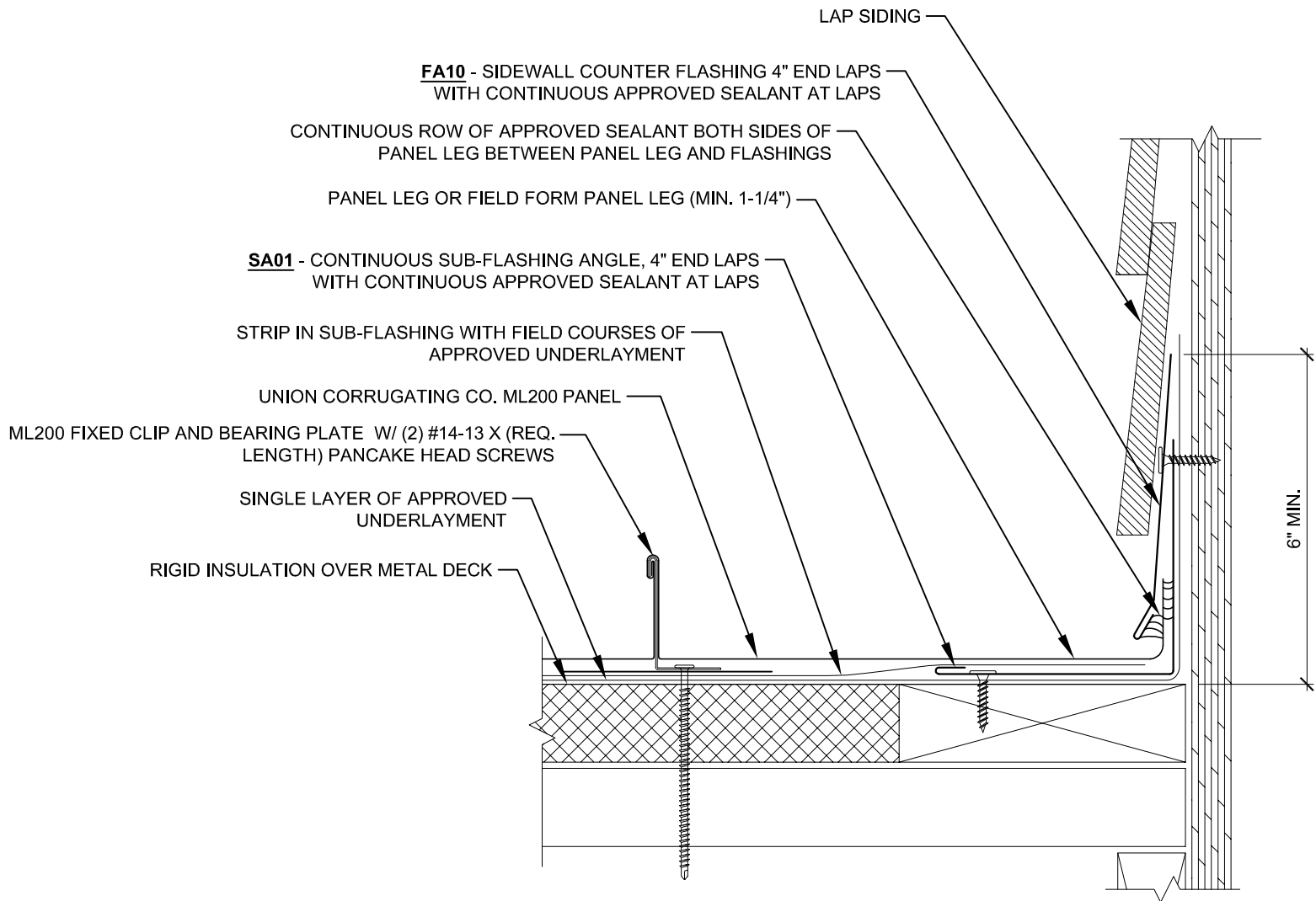


Description: **SIDEWALL DETAIL - SURFACE MOUNT - EXPANSION CLIP**

Detail No.: **ML200-MD-7.12_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



Description:

SIDEWALL DETAIL - W/ SIDING - FIXED CLIP

Detail No.:

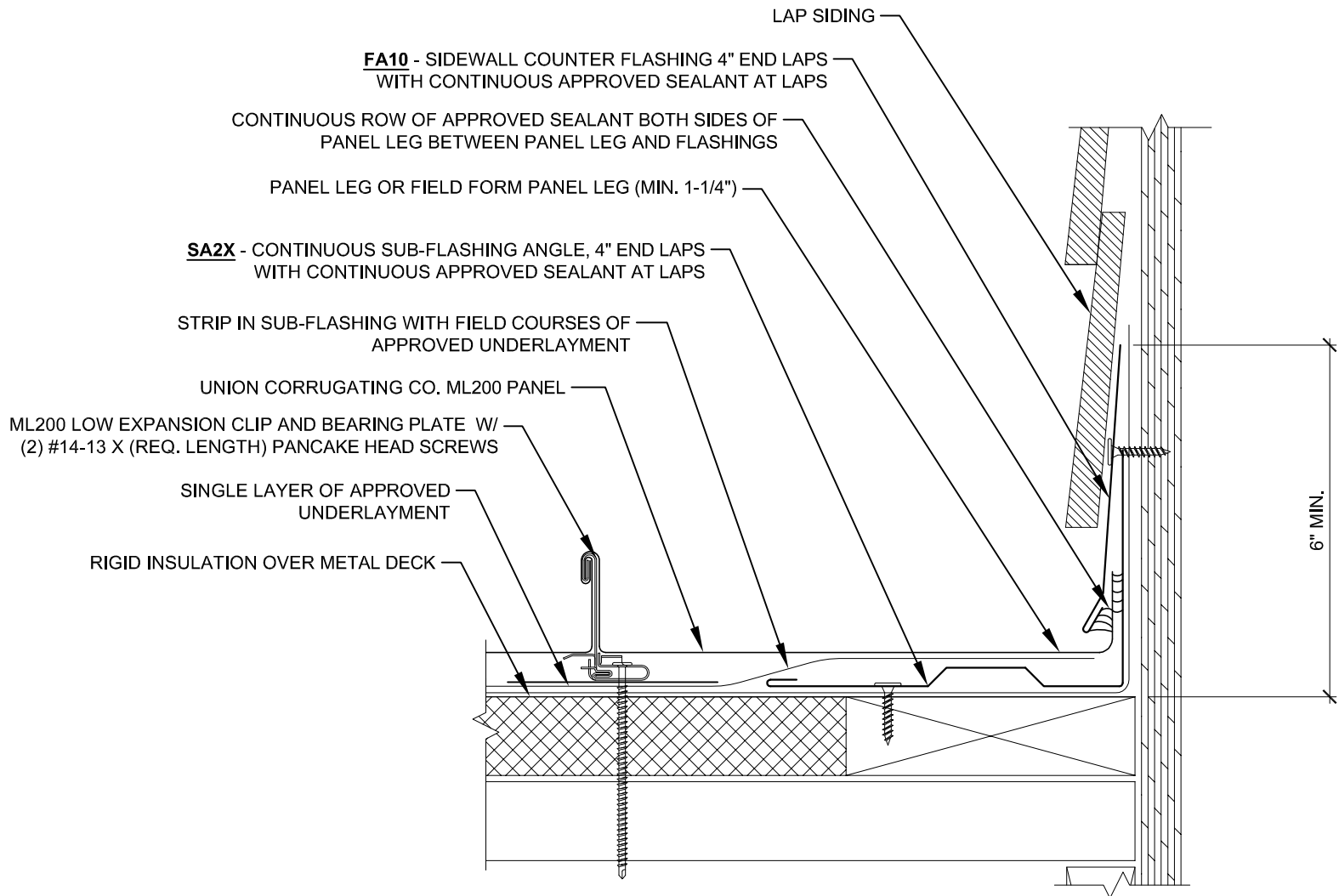
ML200-MD-7.13_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

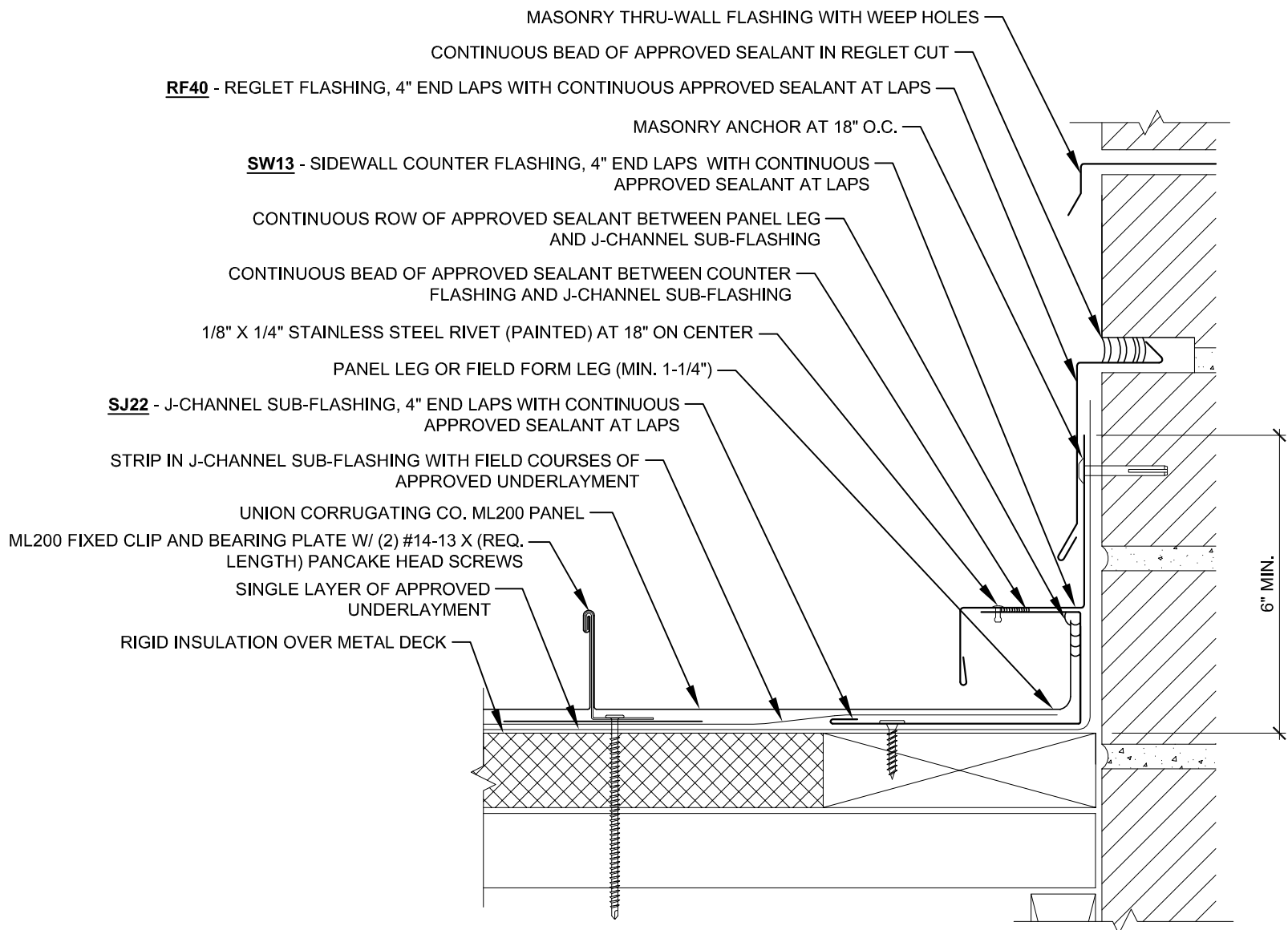


Description: **SIDEWALL DETAIL - W/ SIDING - EXPANSION CLIP**

Detail No.: **ML200-MD-7.13_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



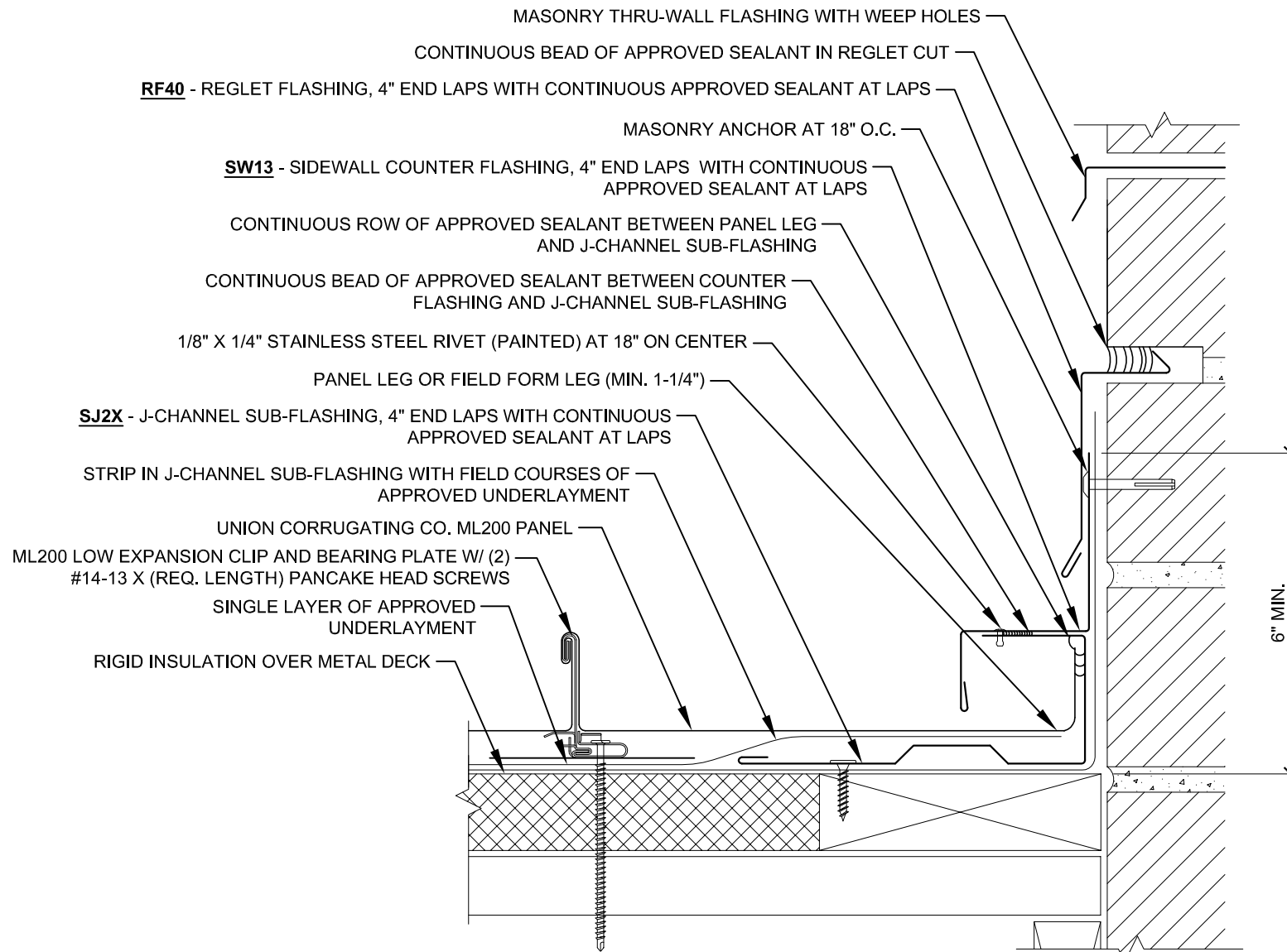
Description: **SIDEWALL DETAIL - REGLET - FIXED CLIP**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:

Location:

Detail No.: **ML200-MD-7.21_FX**

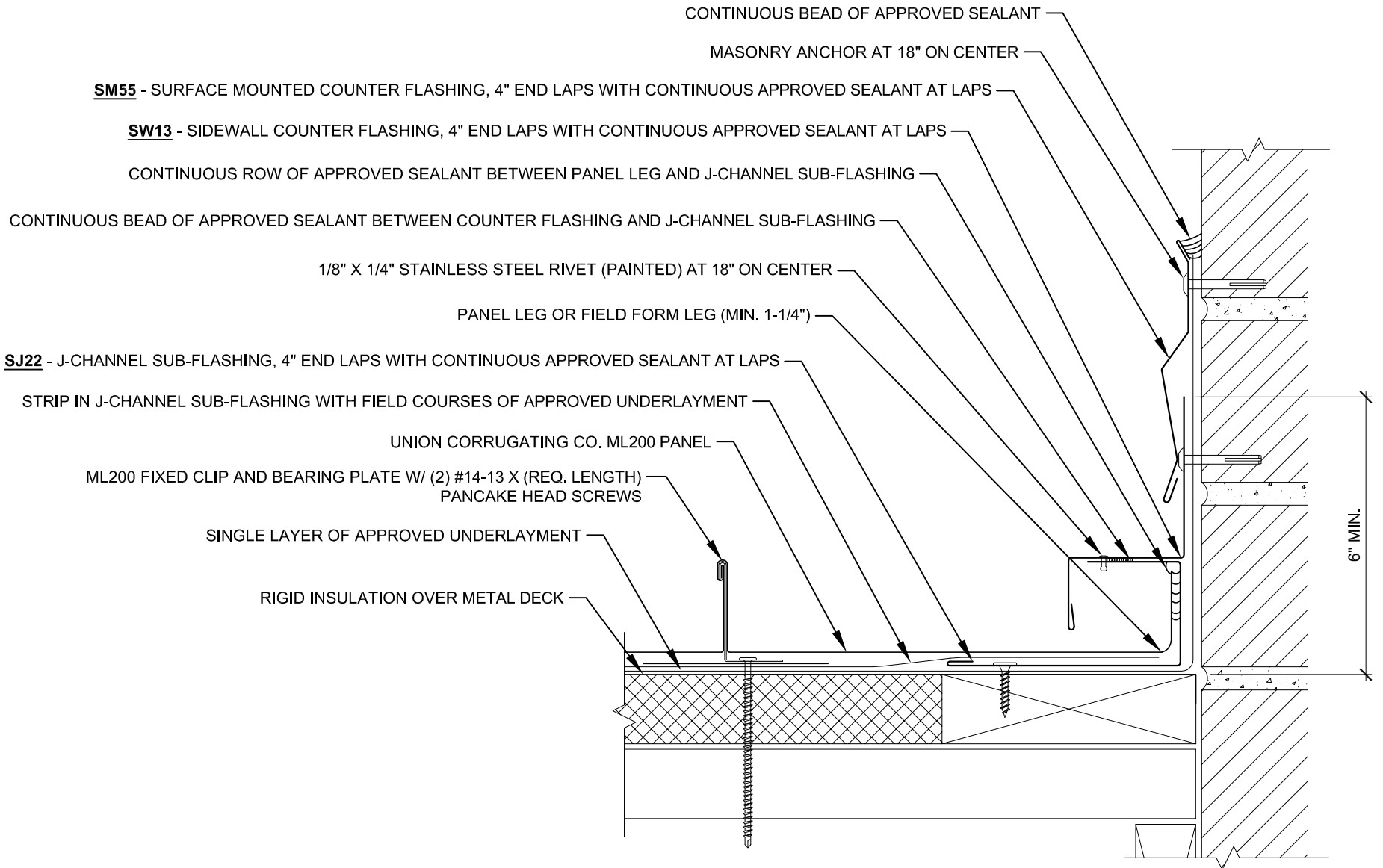


Description: **SIDEWALL DETAIL - REGLET - EXPANSION CLIP**

Detail No.: **ML200-MD-7.21_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

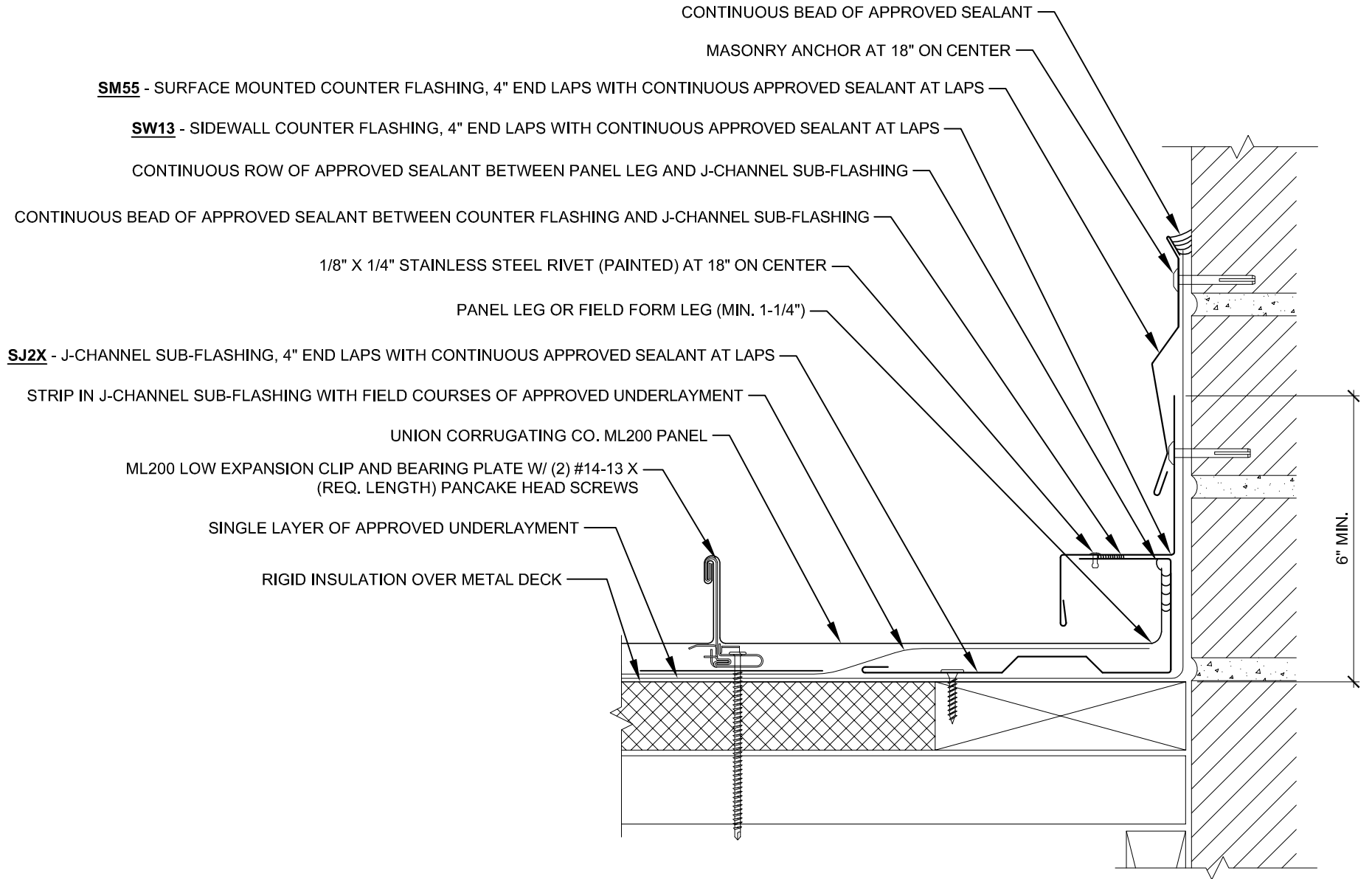


Description: **SIDEWALL DETAIL - SURFACE MOUNT - FIXED CLIP**

Detail No.: **ML200-MD-7.22_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

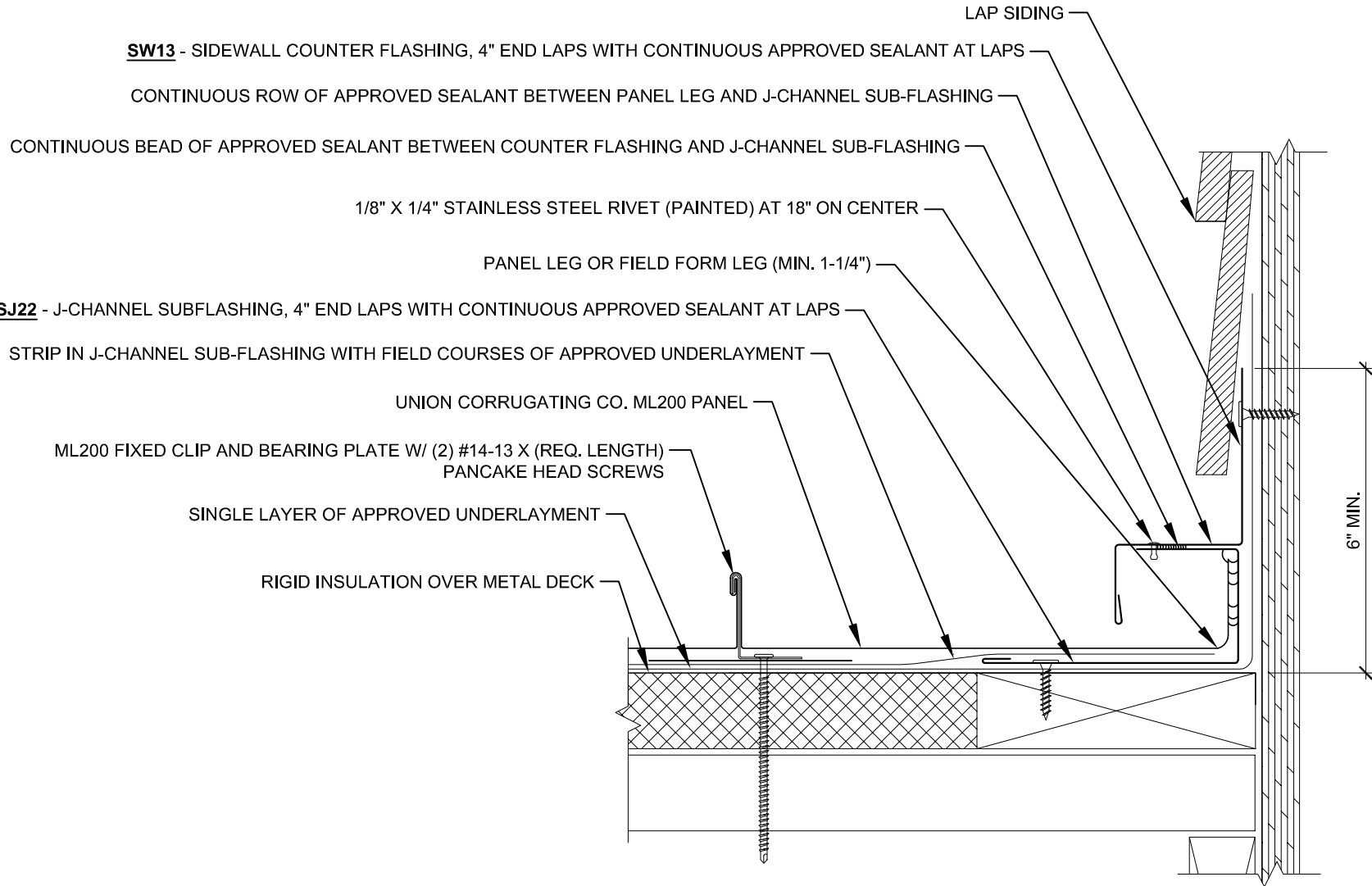


Description: **SIDEWALL DETAIL - SURFACE MOUNT - EXPANSION CLIP**

Detail No.: **ML200-MD-7.22_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



SW13 - SIDEWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CONTINUOUS ROW OF APPROVED SEALANT BETWEEN PANEL LEG AND J-CHANNEL SUB-FLASHING

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN COUNTER FLASHING AND J-CHANNEL SUB-FLASHING

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

PANEL LEG OR FIELD FORM LEG (MIN. 1-1/4")

SJ22 - J-CHANNEL SUBFLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

STRIP IN J-CHANNEL SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

UNION CORRUGATING CO. ML200 PANEL

ML200 FIXED CLIP AND BEARING PLATE W/ (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

6" MIN.

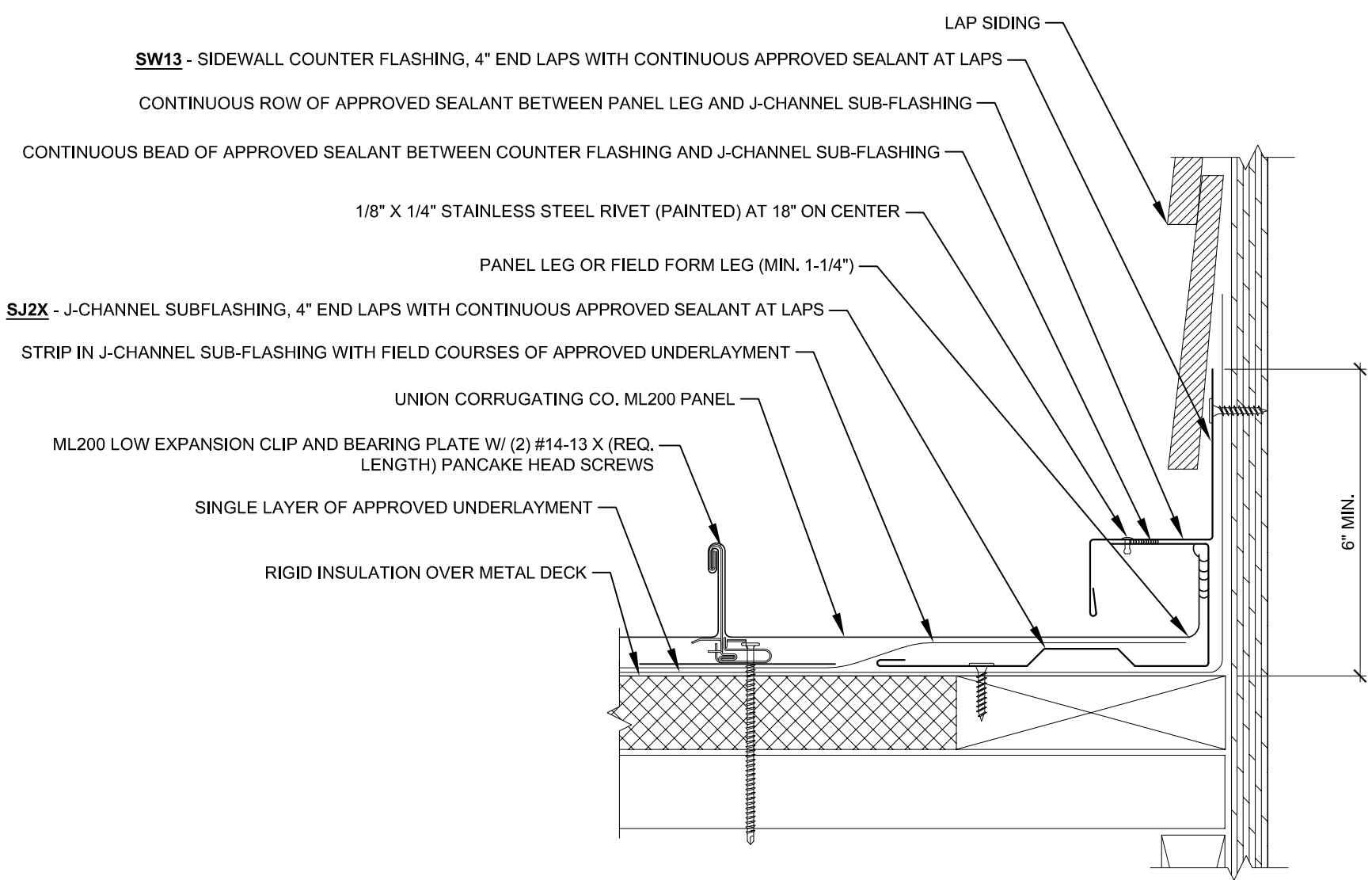


Description: **SIDEWALL DETAIL W/ SIDING - FIXED CLIP**

Detail No.: **ML200-MD-7.23_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

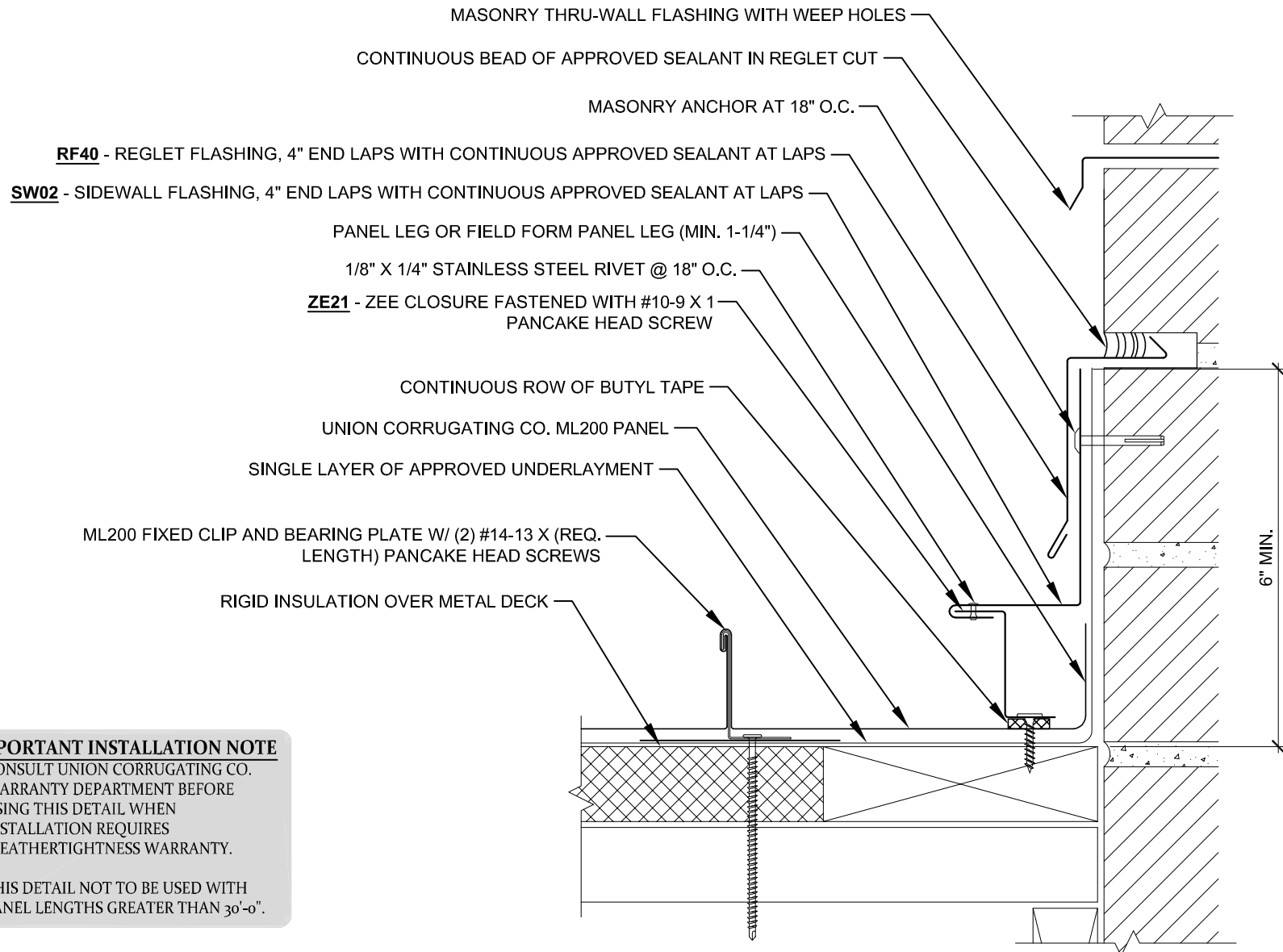


Description: **SIDEWALL DETAIL - W/ SIDING - EXPANSION CLIP**

Detail No.: **ML200-MD-7.23_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

SW02 - SIDEWALL FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")

1/8" X 1/4" STAINLESS STEEL RIVET @ 18" O.C.

ZE21 - ZEE CLOSURE FASTENED WITH #10-9 X 1 PANCAKE HEAD SCREW

CONTINUOUS ROW OF BUTYL TAPE

UNION CORRUGATING CO. ML200 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

ML200 FIXED CLIP AND BEARING PLATE W/ (2) #14-13 X (REQ. LENGTH) PANCAKE HEAD SCREWS

RIGID INSULATION OVER METAL DECK

6" MIN.

IMPORTANT INSTALLATION NOTE

- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".

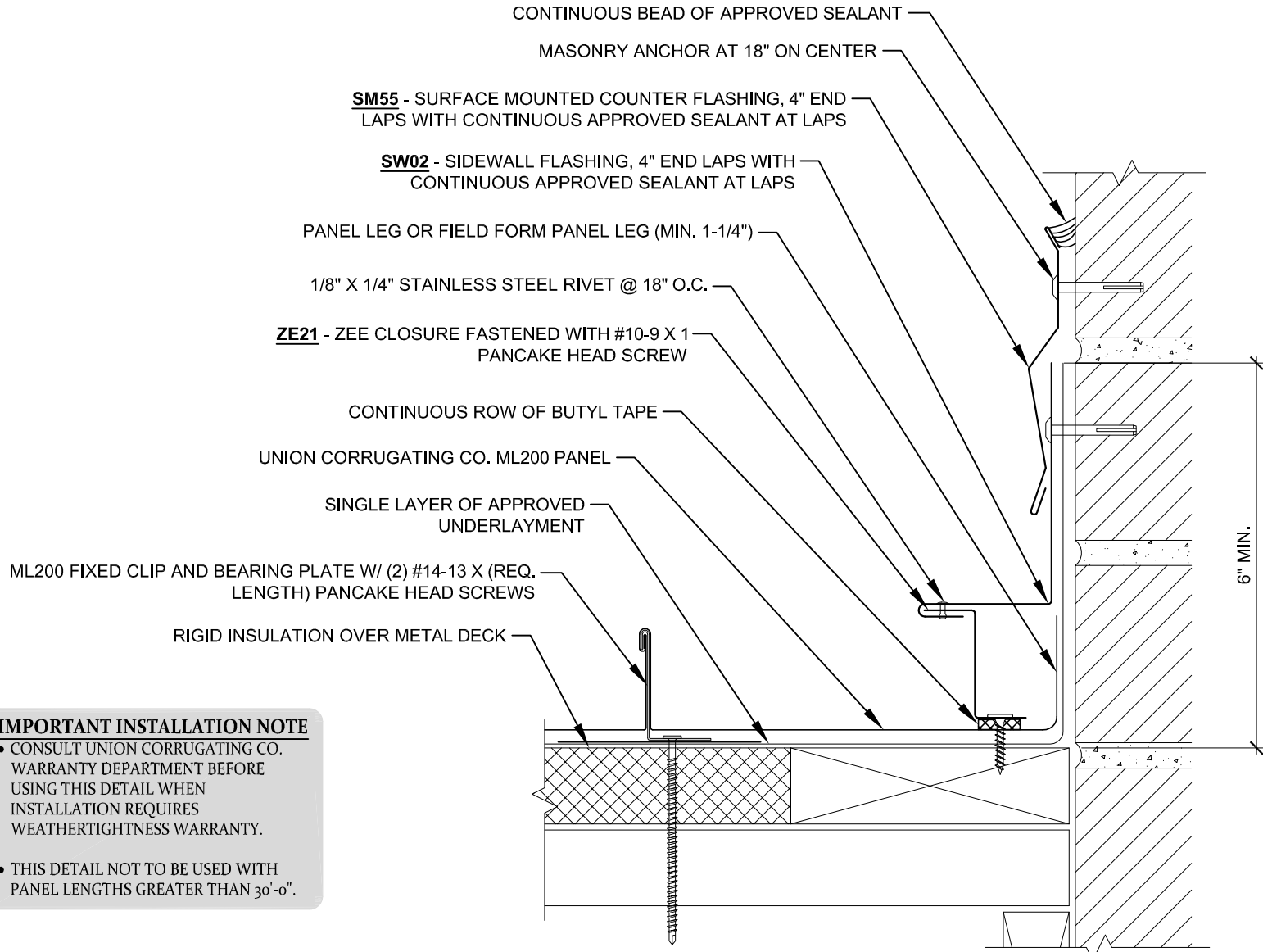


Description: **SIDEWALL W/ ZEE DETAIL - REGLET**

Detail No.: **ML200-MD-7.31_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



IMPORTANT INSTALLATION NOTE

- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".

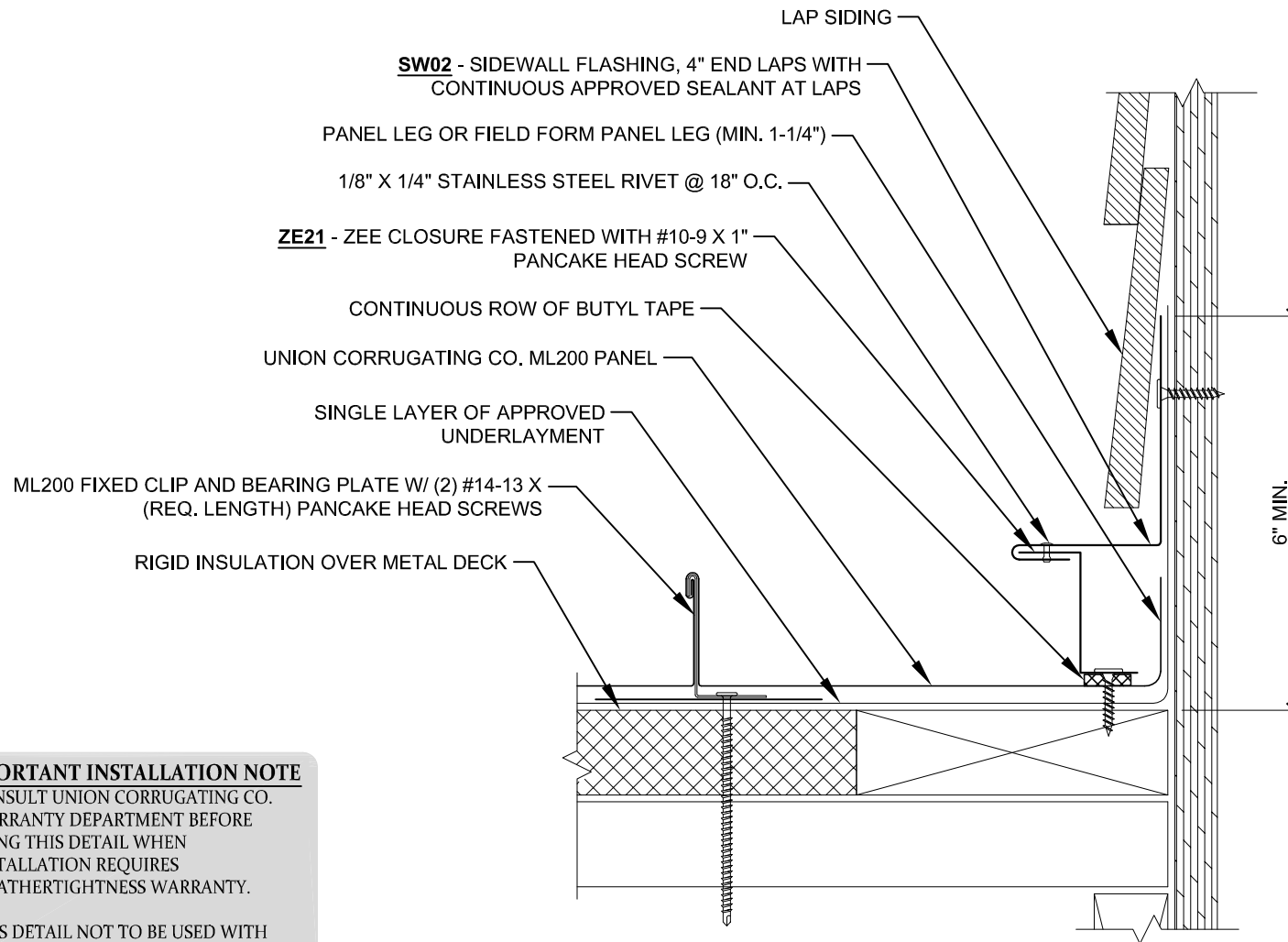


Description: **SIDEWALL W/ ZEE DETAIL - SURFACE MOUNT - FIXED CLIP**

Detail No.: **ML200-MD-7.32_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:



IMPORTANT INSTALLATION NOTE

- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".



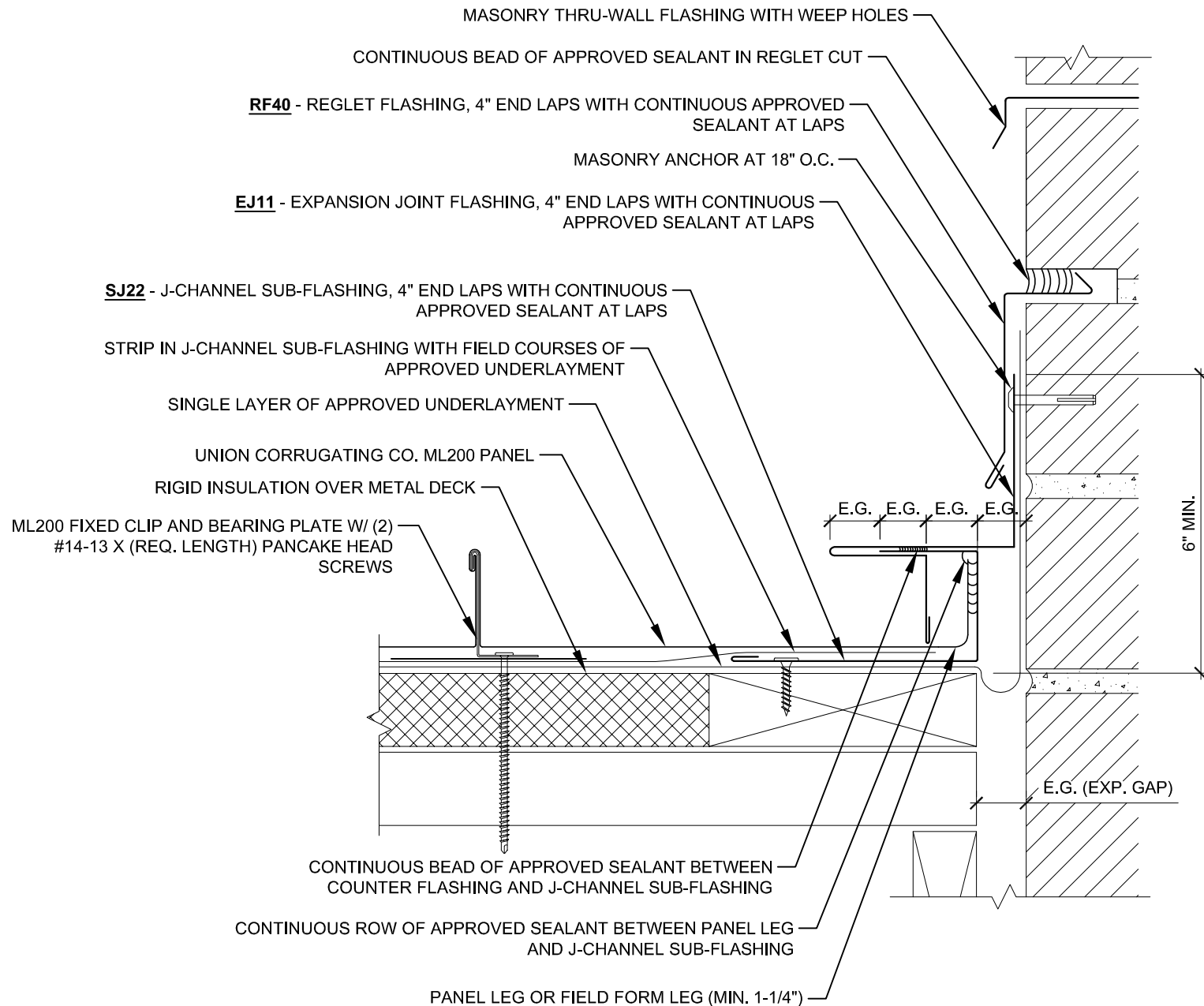
Description: **SIDEWALL W/ ZEE - W/ SIDING - FIXED CLIP**

Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-7.33_FX**

Project Name:

Location:

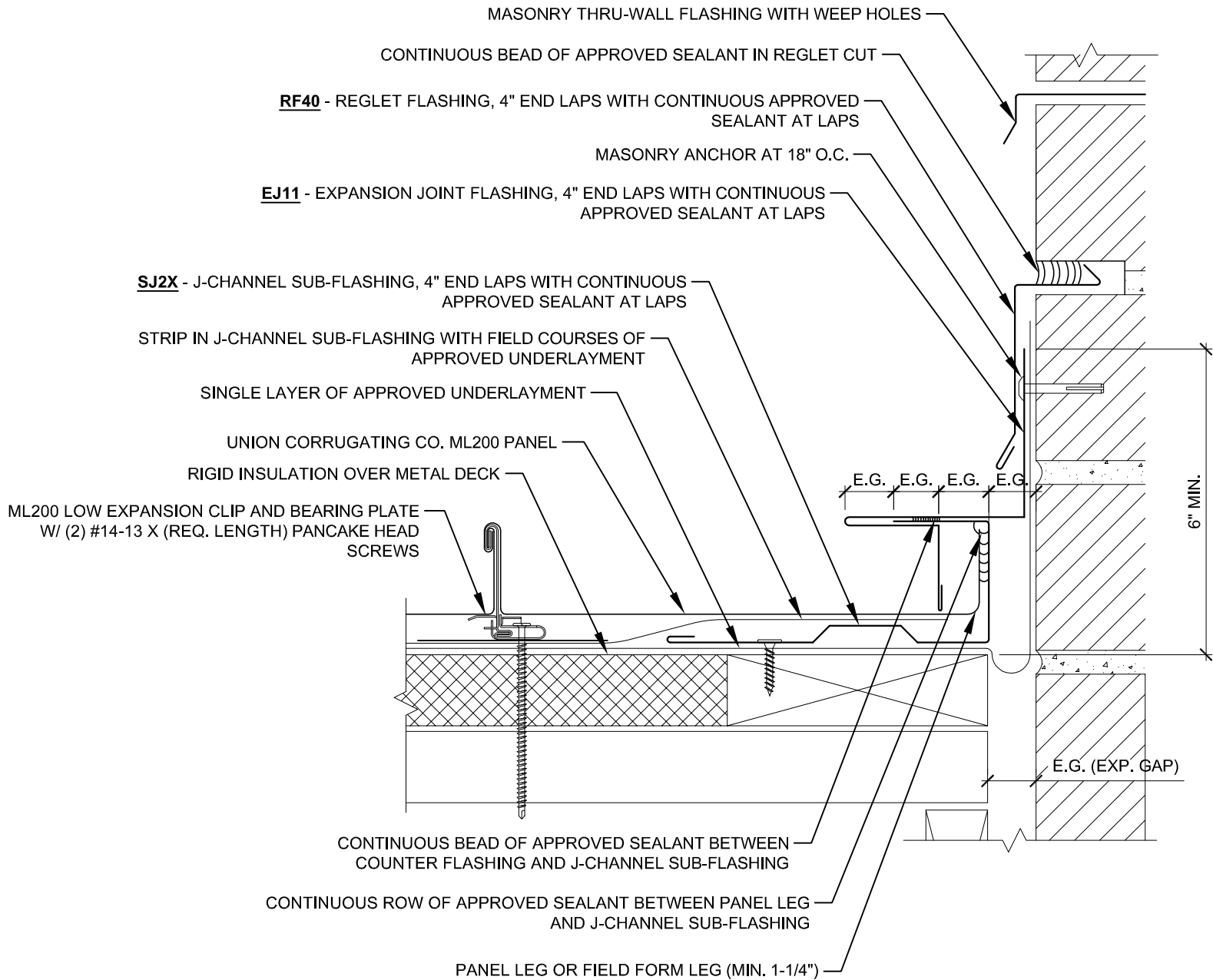


Description: **SIDEWALL EXPANSION JOINT DETAIL - FIXED CLIP**

Detail No.: **ML200-MD-7.40_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

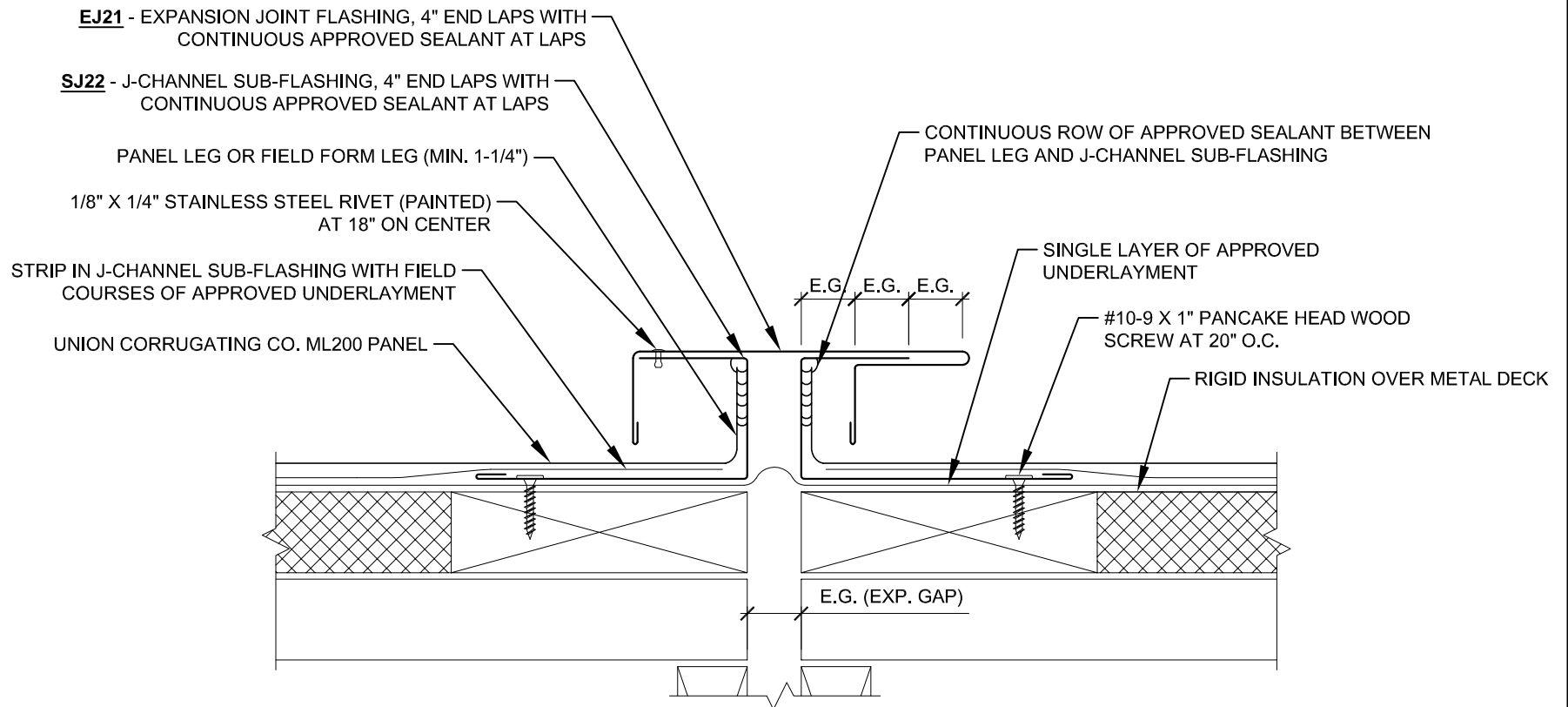


Description: **SIDEWALL EXPANSION JOINT DETAIL - EXPANSION CLIP**

Detail No.: **ML200-MD-7.40_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

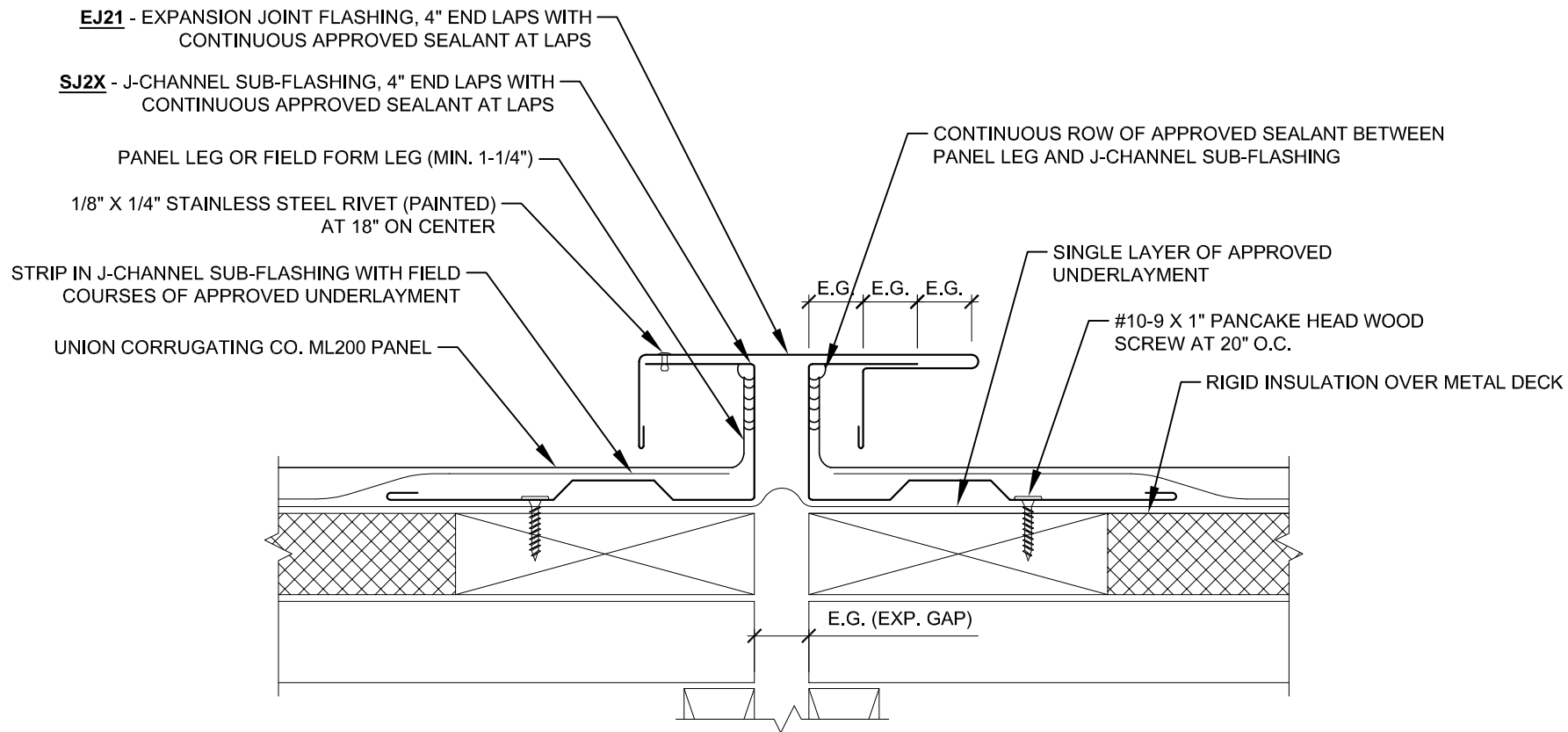


Description: **EXPANSION JOINT (MID-ROOF) - FIXED CLIP**

Detail No.: **ML200-MD-7.50_FX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:
Location:

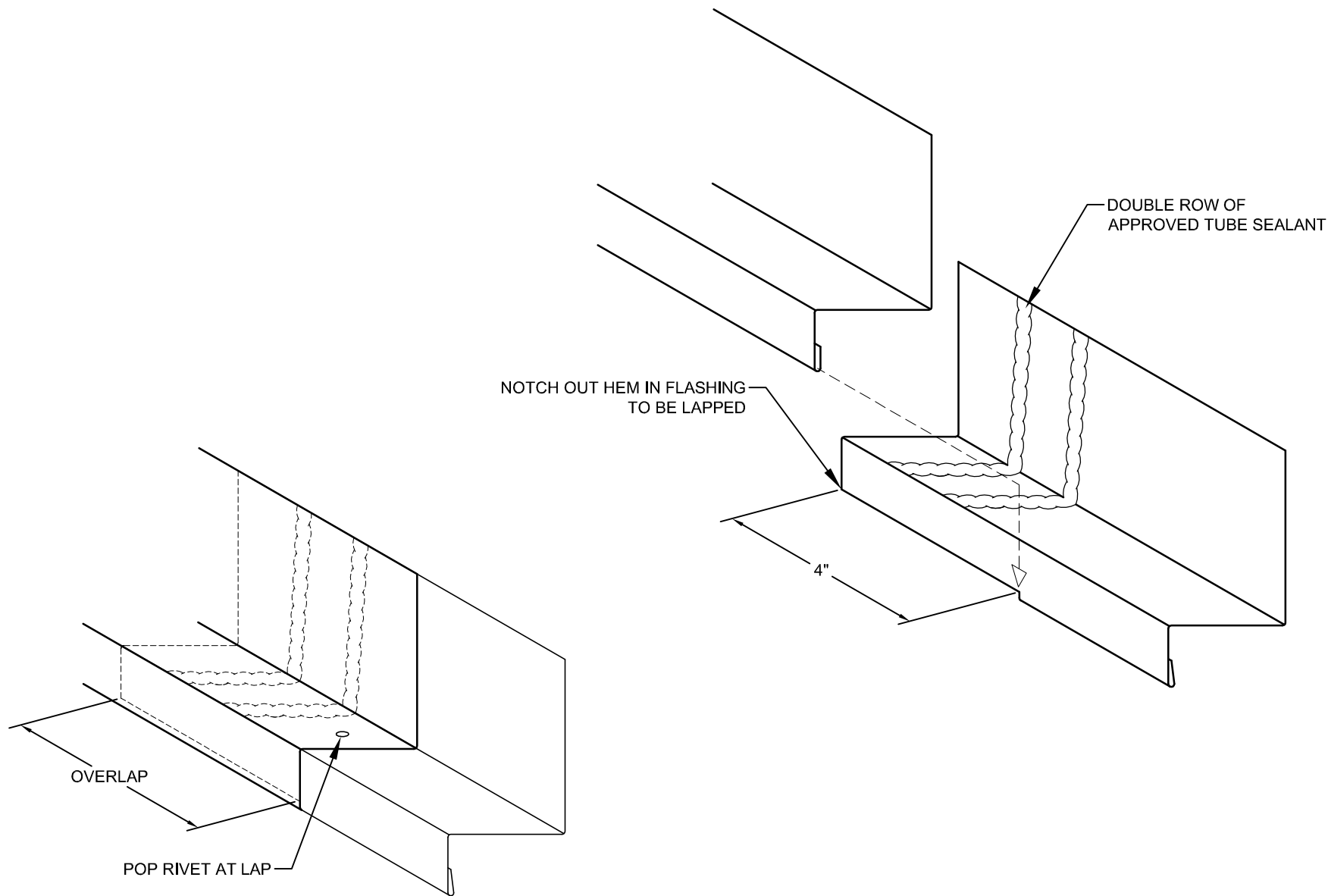


Description: **EXPANSION JOINT (MID-ROOF) - EXPANSION CLIP**

Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-7.50_EX**

Project Name:
Location:



Description:

SIDEWALL LAP DETAIL

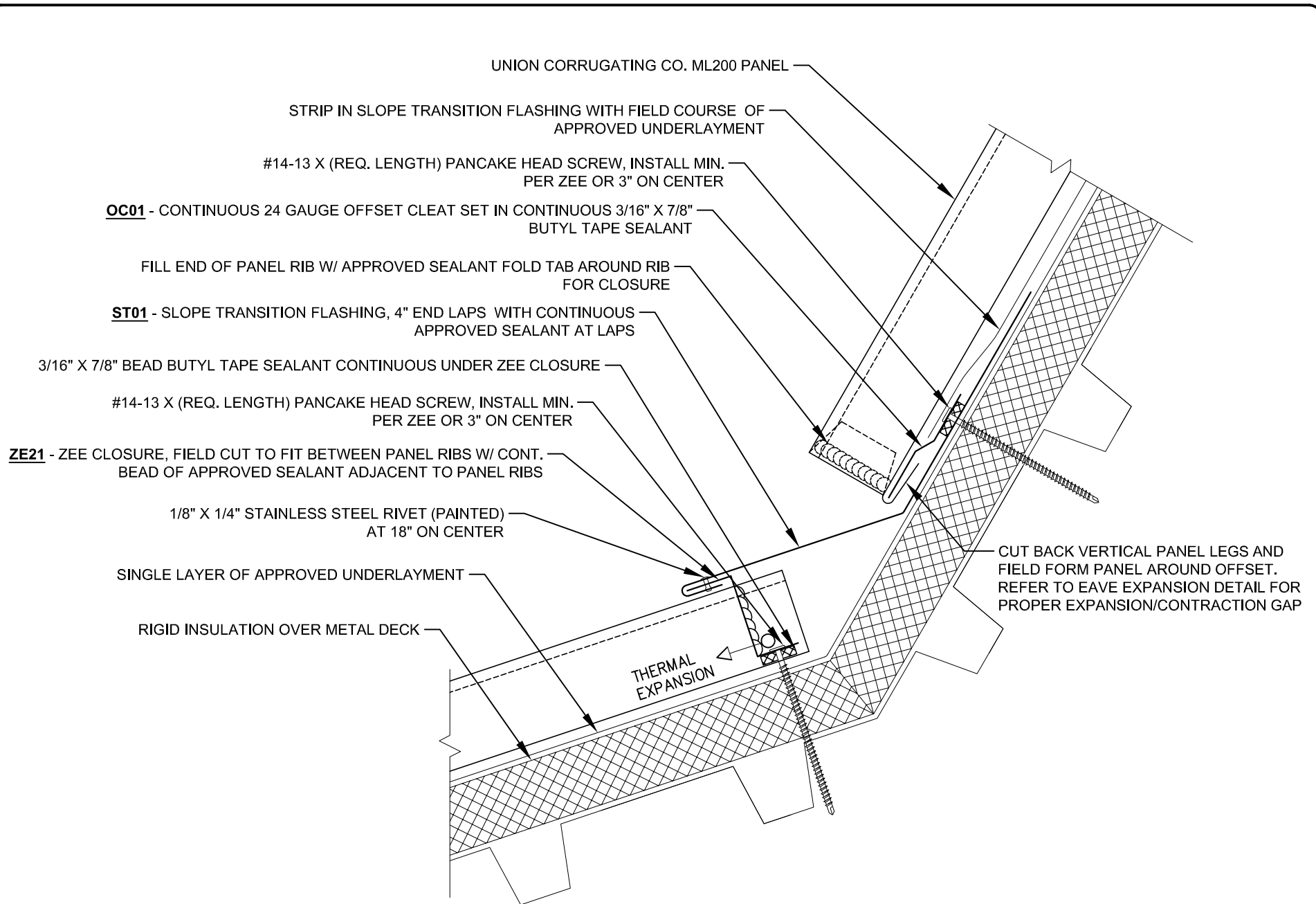
Detail No.:

ML200-7.90

Substrate:

Project Name:

Location:



Description:

SLOPE TRANSITION DETAIL - FIXED CLIP

Detail No.:

ML200-MD-8.10_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:

UNION CORRUGATING CO. ML200 PANEL

STRIP IN SLOPE TRANSITION FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#14-13 X (REQ. LENGTH) PANCAKE HEAD SCREW, INSTALL MIN. PER ZEE OR 3" ON CENTER

OC01 - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

ST01 - SLOPE TRANSITION FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#14-13 X (REQ. LENGTH) PANCAKE HEAD SCREW, INSTALL MIN. PER ZEE OR 3" ON CENTER

ZE21 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS W/ CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

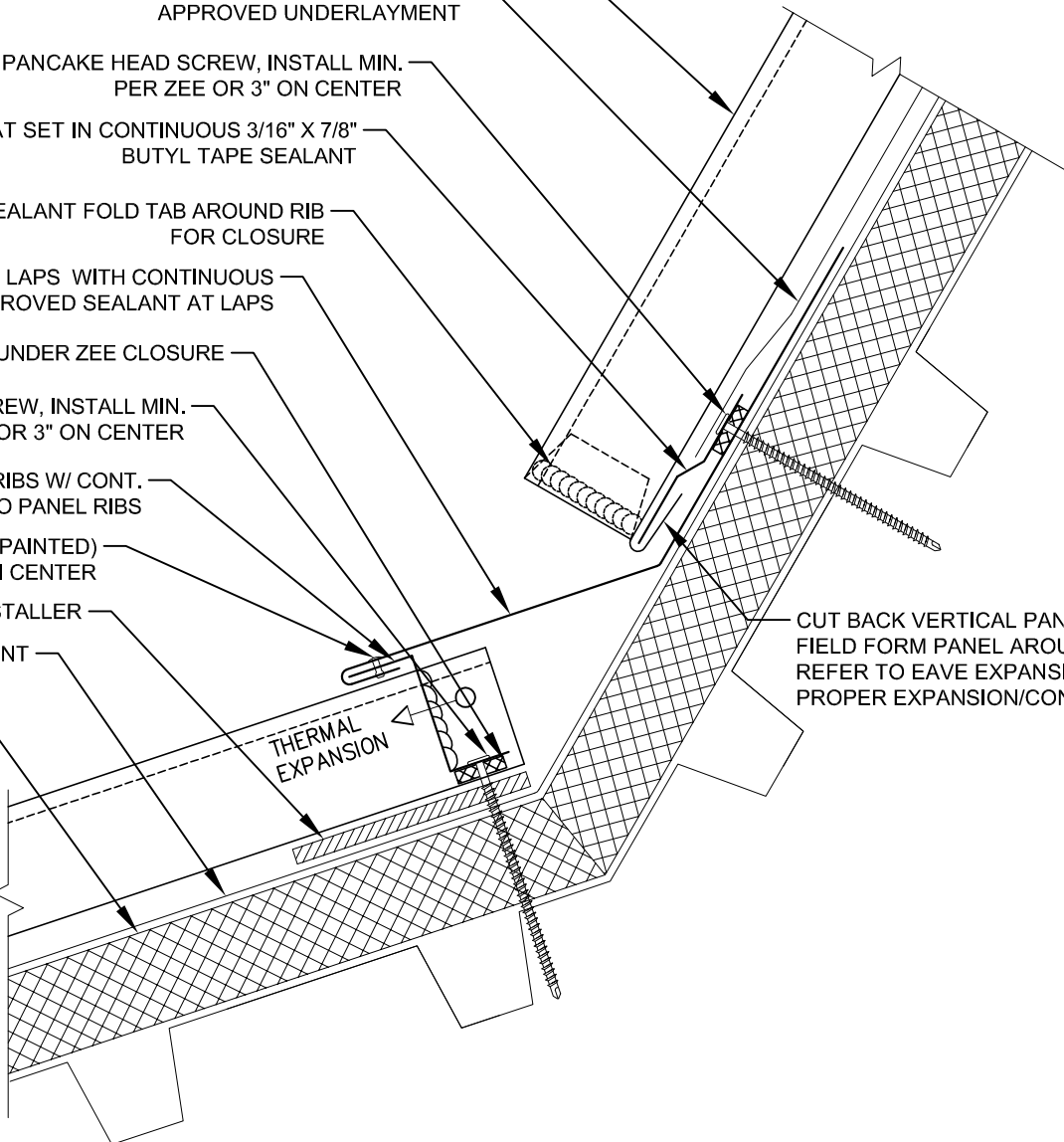
1/4" PLYWOOD FILLER BY INSTALLER

SINGLE LAYER OF APPROVED UNDERLAYMENT

RIGID INSULATION OVER METAL DECK

THERMAL EXPANSION

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP



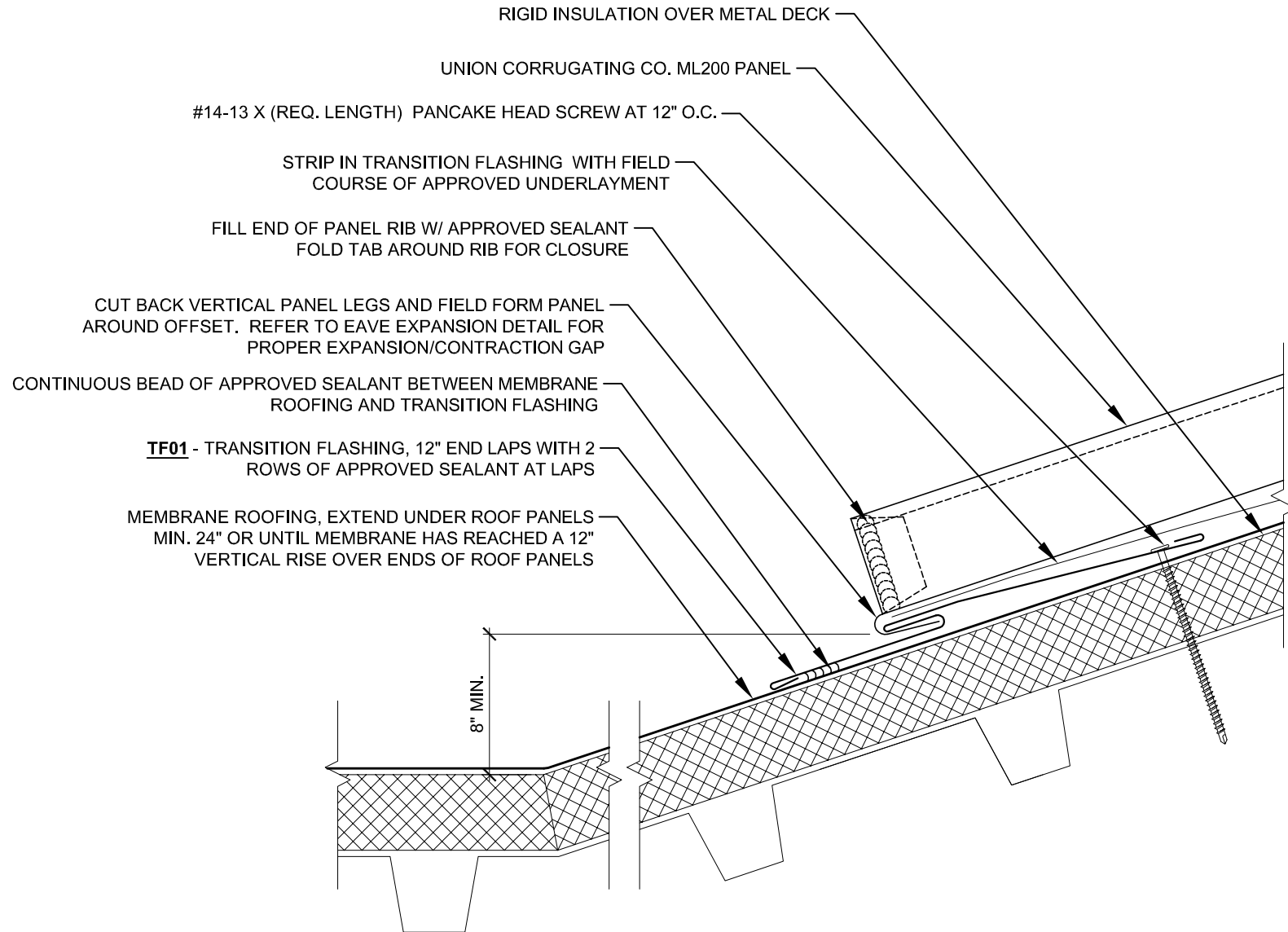
Description: **SLOPE TRANSITION DETAIL - EXPANSION CLIP**

Detail No.: **ML200-MD-8.10_EX**

Substrate: **RIGID INSULATION OVER METAL DECK**

Project Name:

Location:



Description:

TRANSITION AT MEMBRANE ROOFING

Detail No.:

ML200-MD-8.20

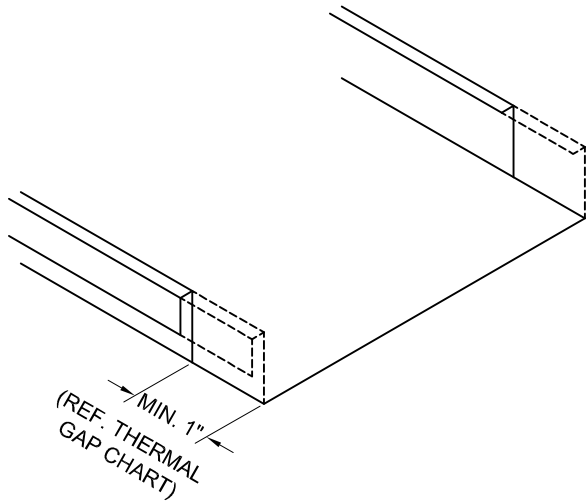
Substrate:

RIGID INSULATION OVER METAL DECK

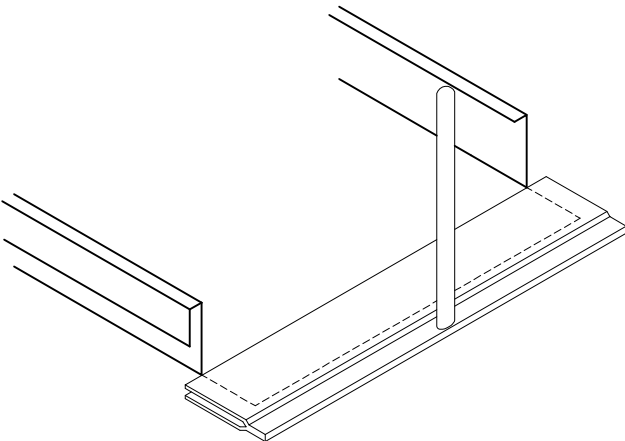
Project Name:

Location:

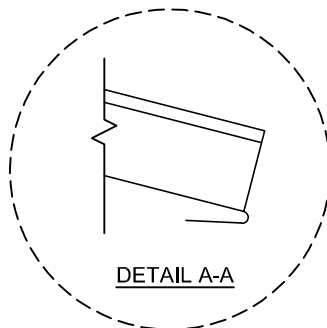
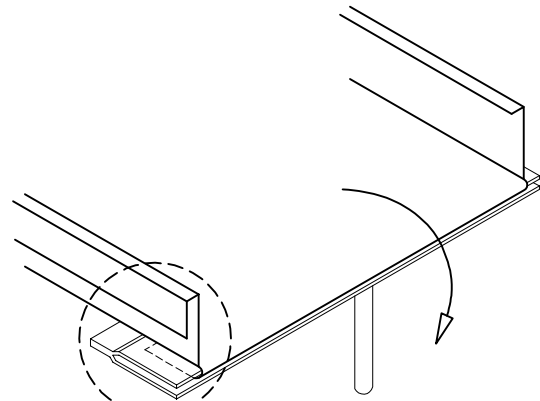
STEP 1: FIELD NOTCH RIBS AND REMOVE



STEP 2: ENGAGE PANEL HEMMING TOOL OVER FLAT PART OF PANEL TO ACCEPT OFFSET CLEAT



STEP 3: BEND TO FORM OPEN HEM



Description:

FIELD HEMMING PANEL END

Detail No.:

ML200-10.10

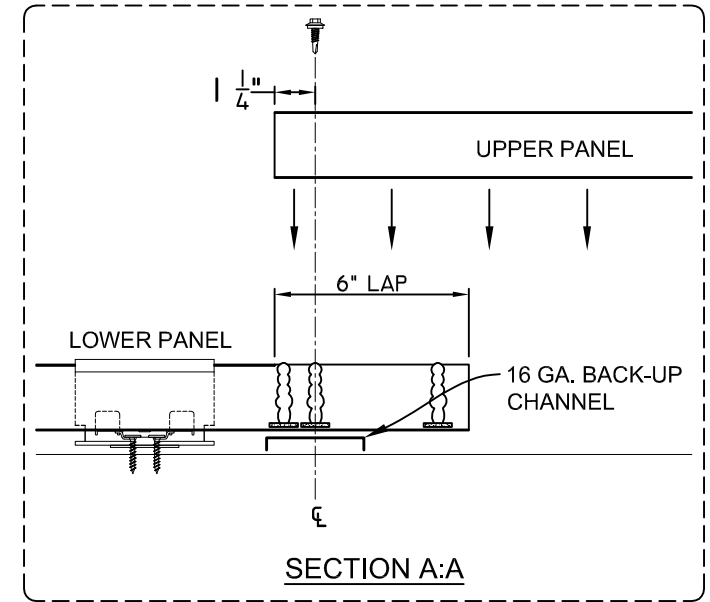
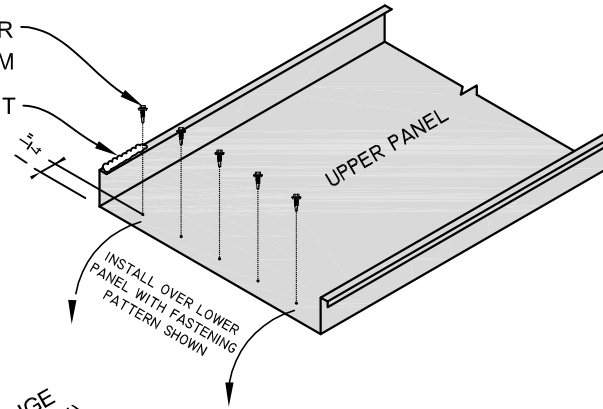
Substrate:

Project Name:

Location:

#14 x $\frac{7}{8}$ " HWH LAP TEK FASTENER W/ WASHER
ZINC CAPPED-(PAINTED) 3 $\frac{1}{4}$ " O.C. MINIMUM

ROW OF APPROVED TUBE SEALANT



6" MIN. LAP
(REMOVE TOP FLANGE
OF MALE LEG AS SHOWN)

1 ROW OF $\frac{7}{8}$ " DOUBLE
BEAD TAPE SEALANT

REMOVE DOWN-LEG OF
FEMALE LEG AS SHOWN

APPROVED TUBE SEALANT
AT VERTICAL PANEL LEGS
EACH SIDE ALIGNED
WITH TAPE SEALANT

A:A

LOWER PANEL

UPPER PANEL

6" MIN. LAP

STAGGER LAPS MIN. 24"

UPPER PANEL

LOWER PANEL

16 GA. BACK-UP CHANNEL
UNDER EACH LAP

PANEL
INSTALLATION
DIRECTION



Description: **PANEL LAP DETAIL - LOW SLOPE (LESS THAN 3:12)**

Substrate:

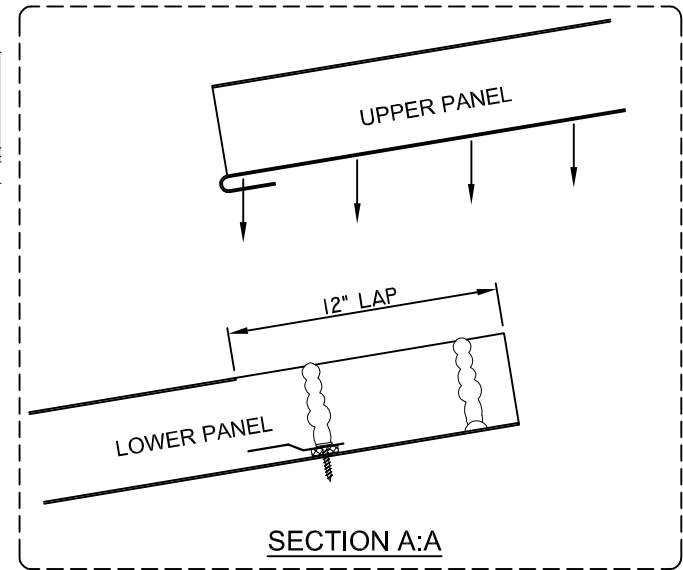
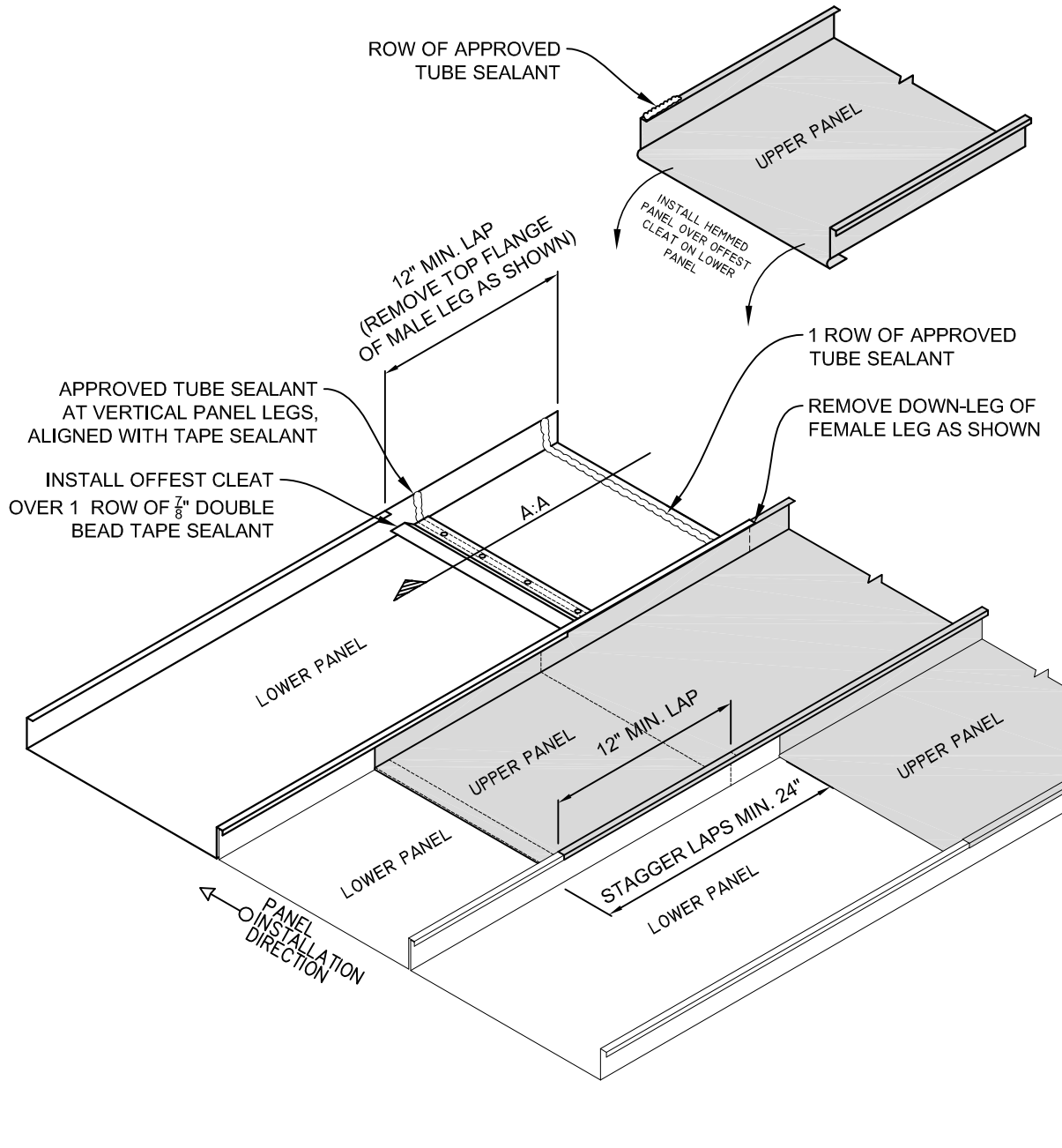
Project Name:

Location:

Detail No.:

ML200-LAP-10.14

IMPORTANT INSTALLATION NOTE
 THIS DETAIL NOT RECOMMENDED
 FOR SLOPES LESS THAN 3:12.

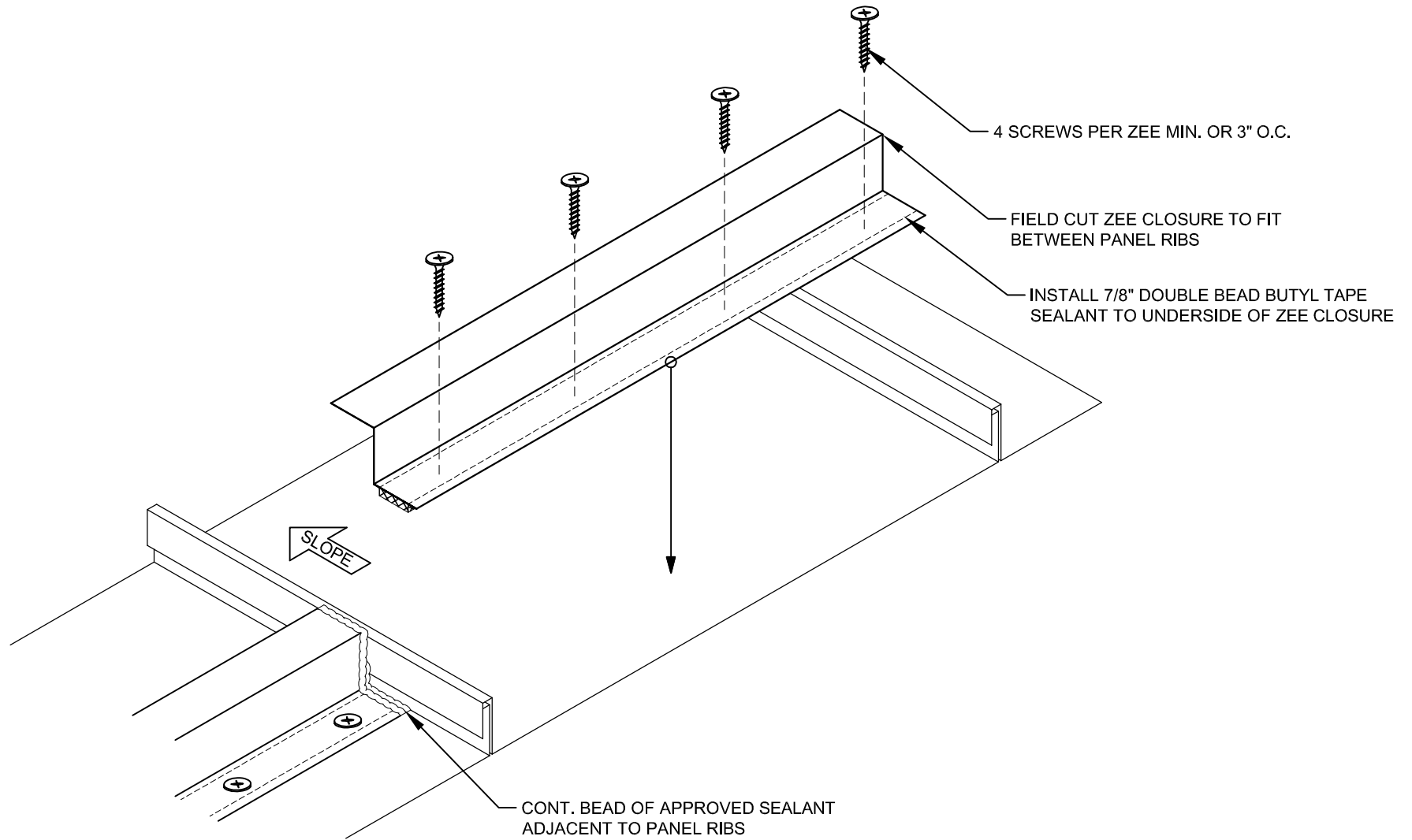


Description:
 Substrate:

PANEL LAP DETAIL - STEEP SLOPE

Detail No.:
 ML200-LAP-10.15

Project Name:
 Location:



Description:

ZEE CLOSURE INSTALLATION

Detail No.:

ML200-10.20

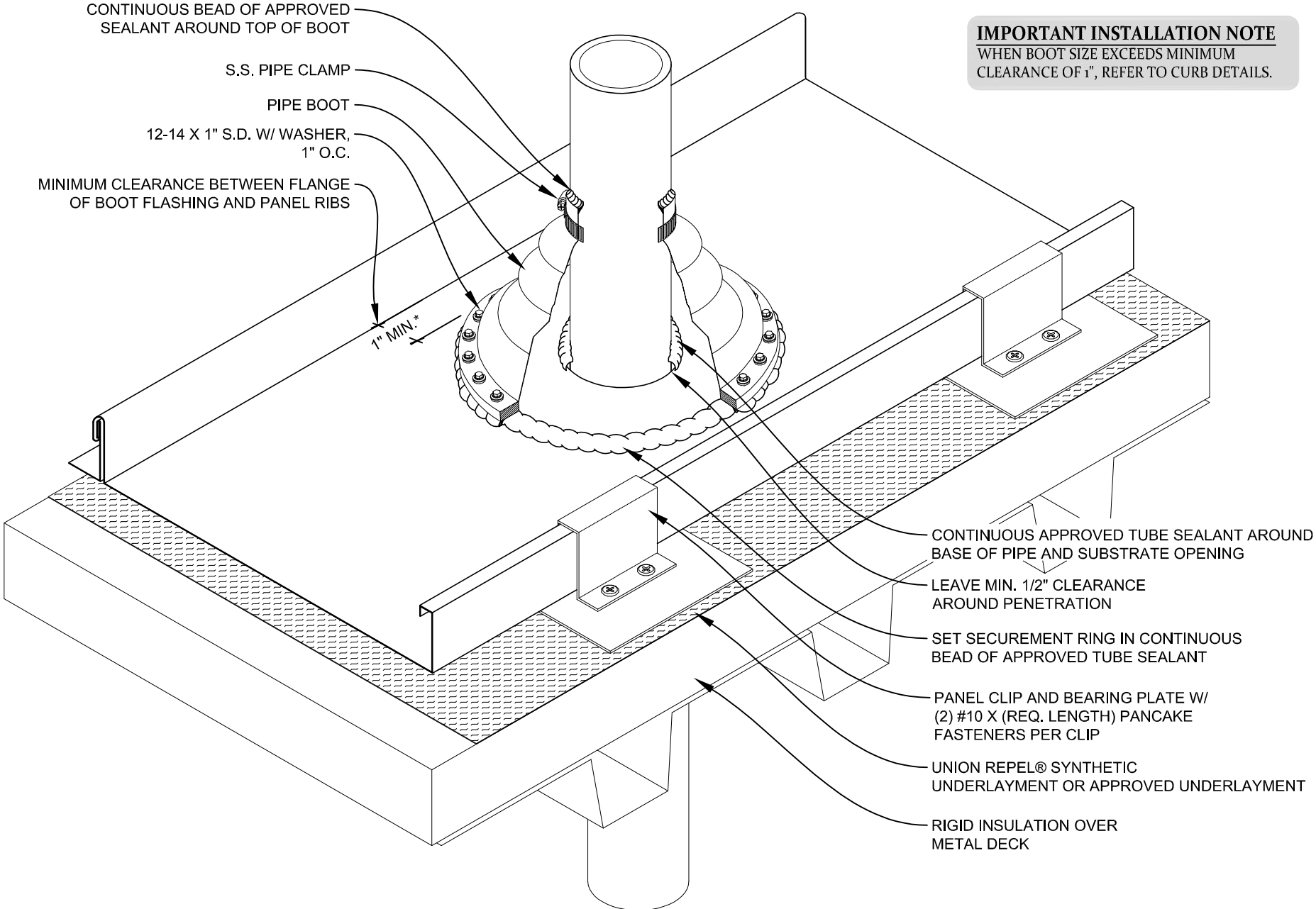
Substrate:

Project Name:

Location:

IMPORTANT INSTALLATION NOTE

WHEN BOOT SIZE EXCEEDS MINIMUM CLEARANCE OF 1", REFER TO CURB DETAILS.

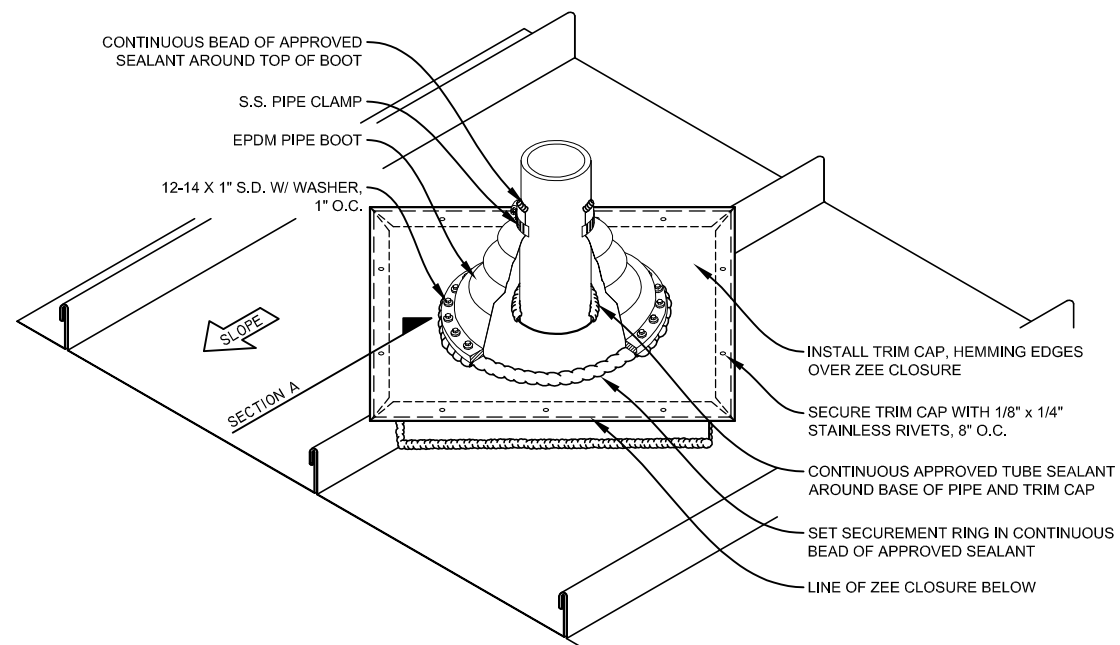
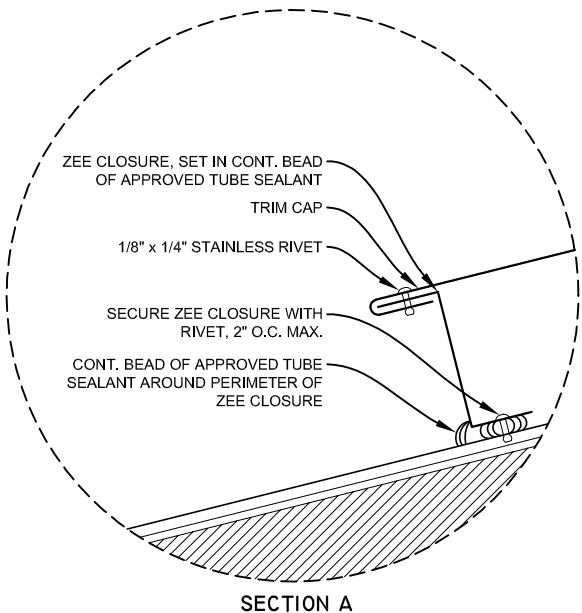
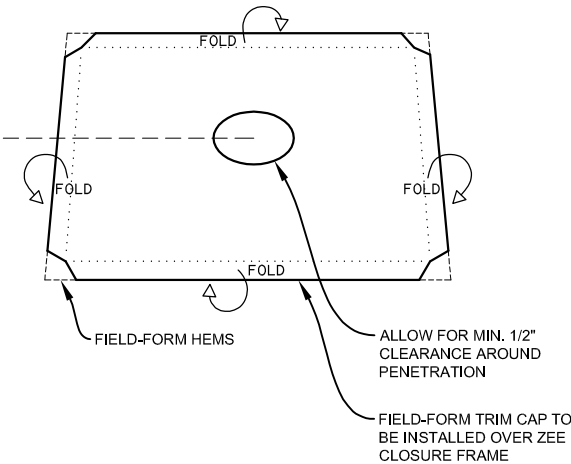
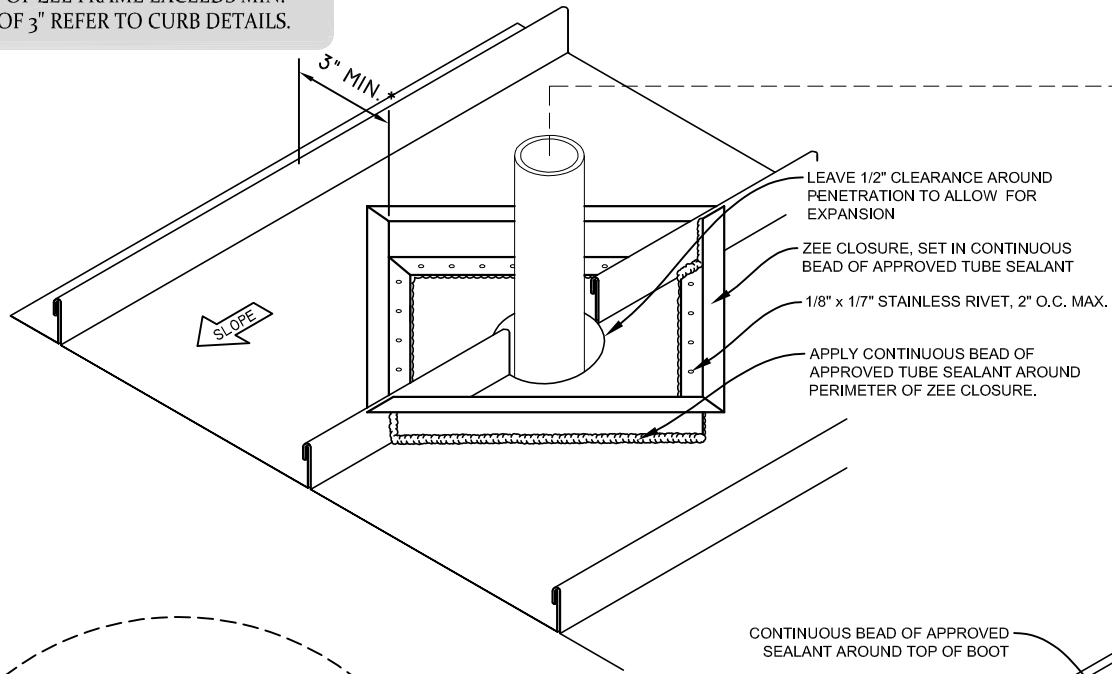


Description:	PIPE PENETRATION		Detail No.: ML200-MD-10.30
	Substrate:	RIGID INSULATION OVER METAL DECK	

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.

IMPORTANT INSTALLATION NOTE

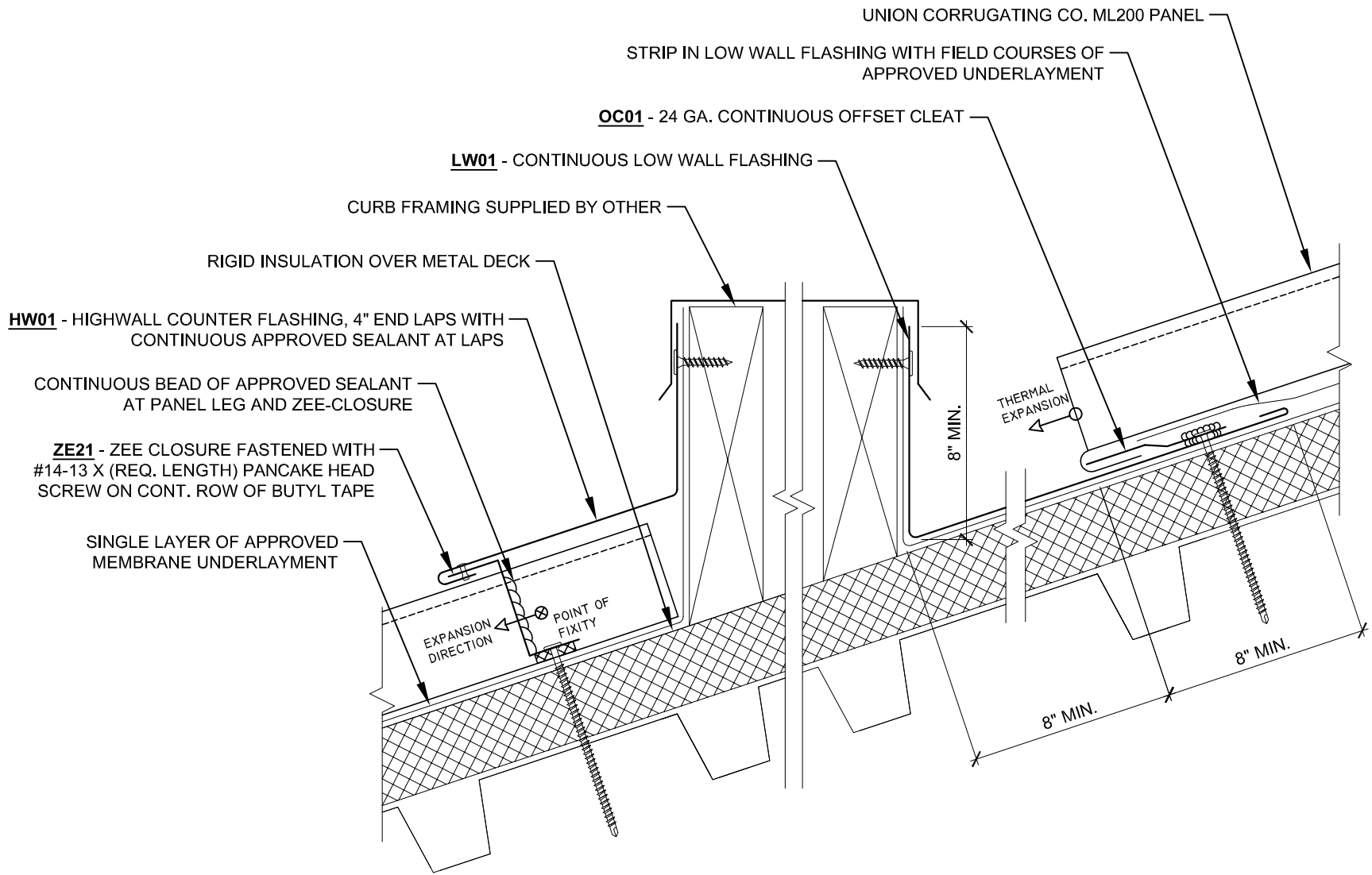
*WHEN BASE OF ZEE FRAME EXCEEDS MIN. CLEARANCE OF 3" REFER TO CURB DETAILS.



Description: **PIPE PENETRATION THROUGH PANEL RIB**

Detail No.: **ML200-10.31**

Substrate: _____ Project Name: _____ Location: _____

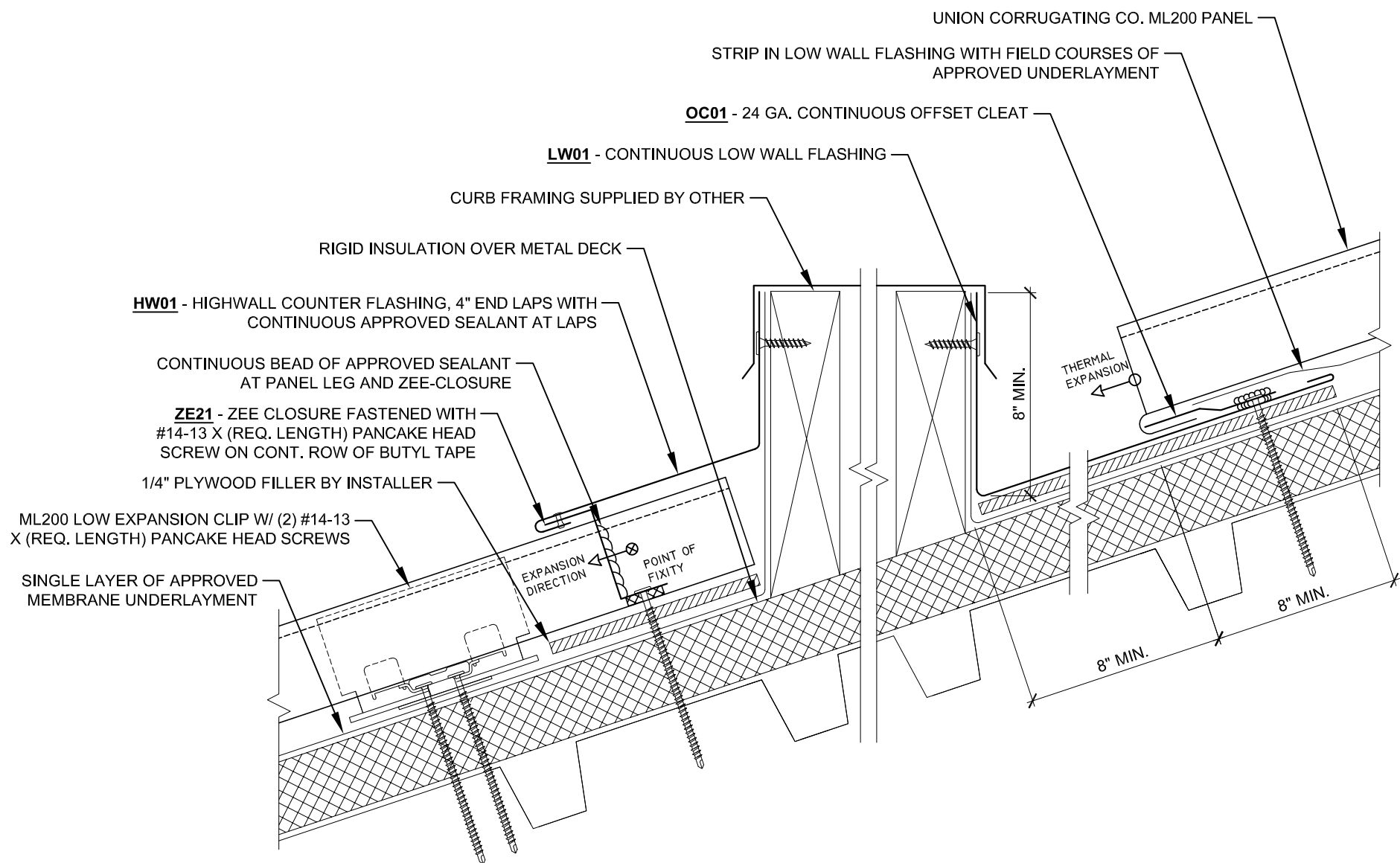


Description: **LOW WALL & HIGHWALL @ CURB - FIXED CLIP**

Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-10.40_FX**

Project Name:
Location:



Description: **LOW WALL & HIGHWALL @ CURB - EXPANSION CLIP**
 Substrate: **RIGID INSULATION OVER METAL DECK**

Detail No.: **ML200-MD-10.40_EX**

Project Name:
 Location:

SW02 - SIDEWALL COUNTER FLASHING, 4" END LAPS
WITH CONTINUOUS APPROVED SEALANT AT LAPS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")

ZE21 - ZEE CLOSURE FASTENED WITH #14-13 X
(REQ. LENGTH) PANCAKE HEAD SCREW

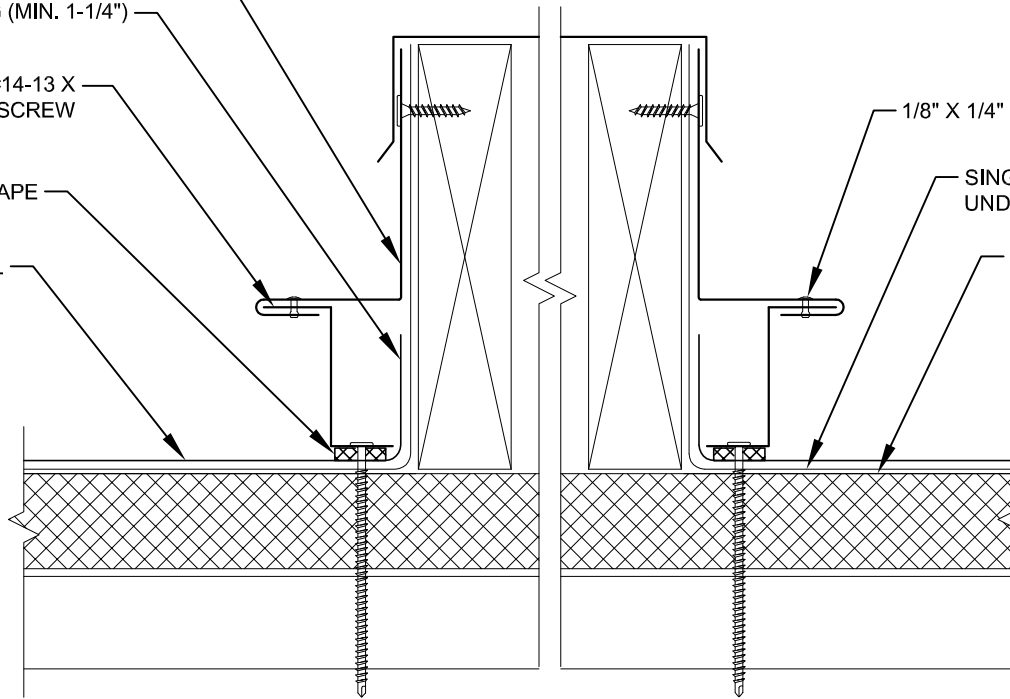
CONTINUOUS ROW OF BUTYL TAPE

UNION CORRUGATING CO. PANEL

1/8" X 1/4" STAINLESS STEEL RIVET

SINGLE LAYER OF APPROVED
UNDERLAYMENT

RIGID INSULATION OVER METAL DECK



Description:

SIDEWALL @ CURB - FIXED CLIP

Detail No.:

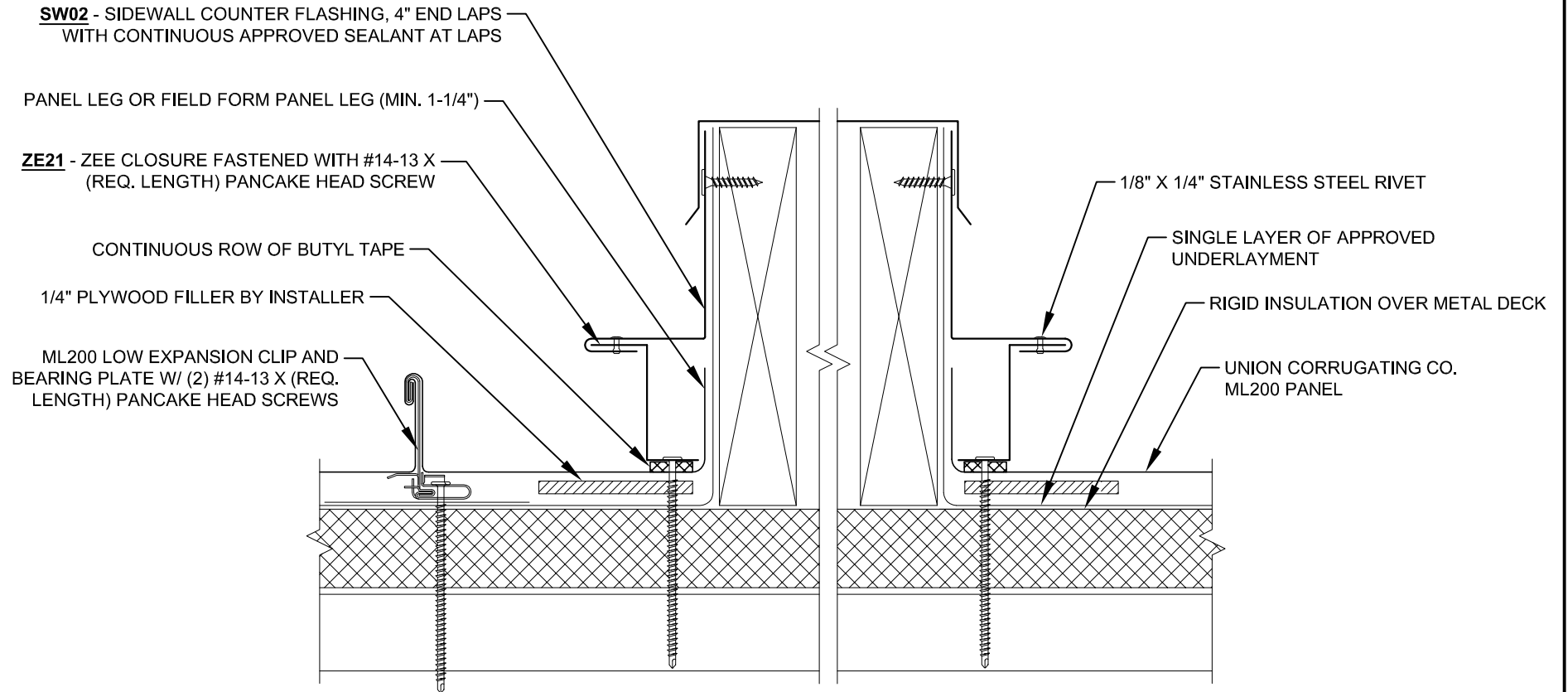
ML200-MD-10.41_FX

Substrate:

RIGID INSULATION OVER METAL DECK

Project Name:

Location:



Description:

SIDEWALL @ CURB - EXPANSION CLIP

Detail No.:

ML200-MD-10.41_EX

Substrate:

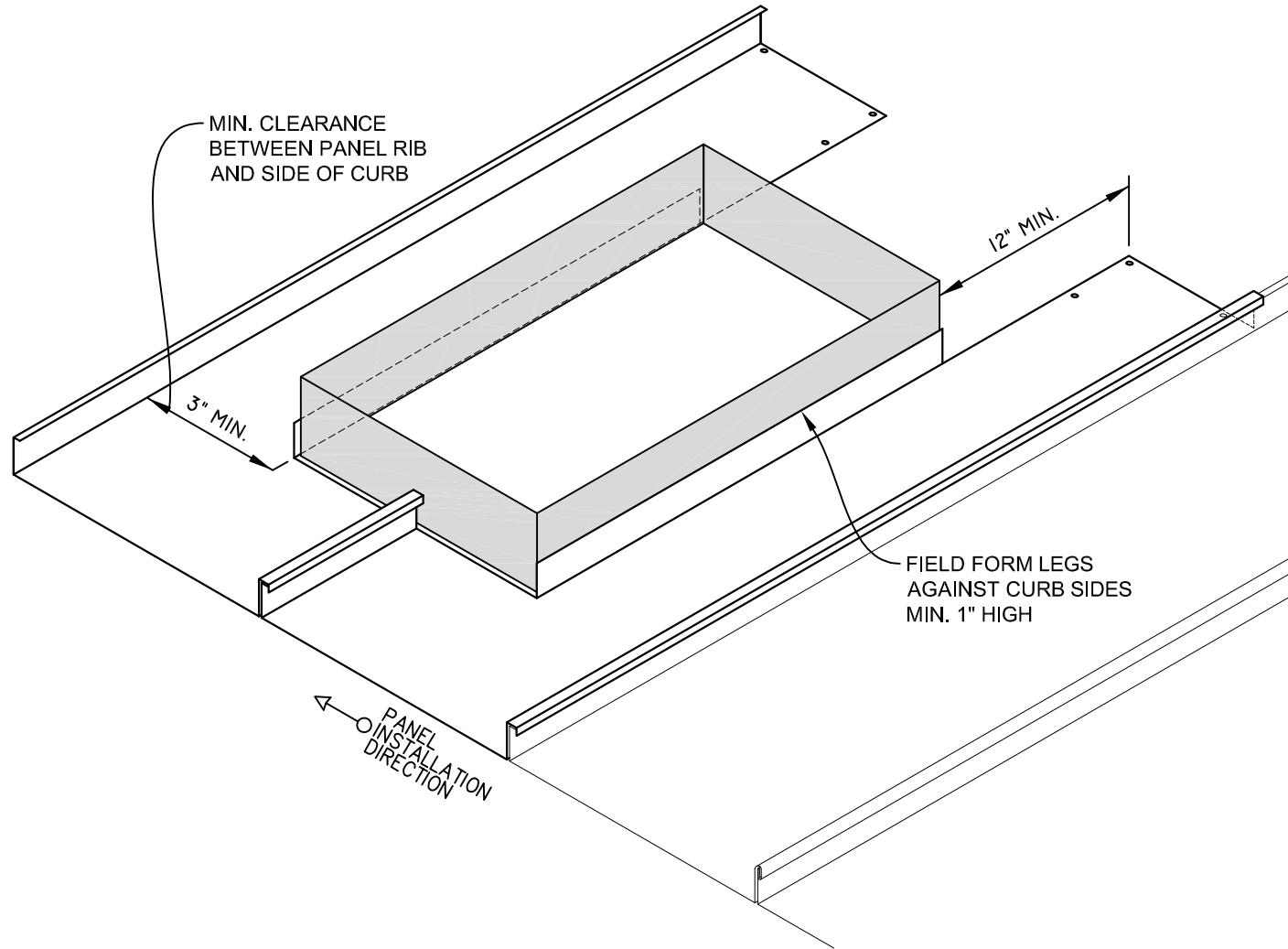
RIGID INSULATION OVER METAL DECK

Project Name:

Location:

STEP 1

INSTALL PANELS
AROUND CURB



Description:

ML200 CURB DETAILS - STEP 1

Detail No.:

ML200-CRB: 1 of 6

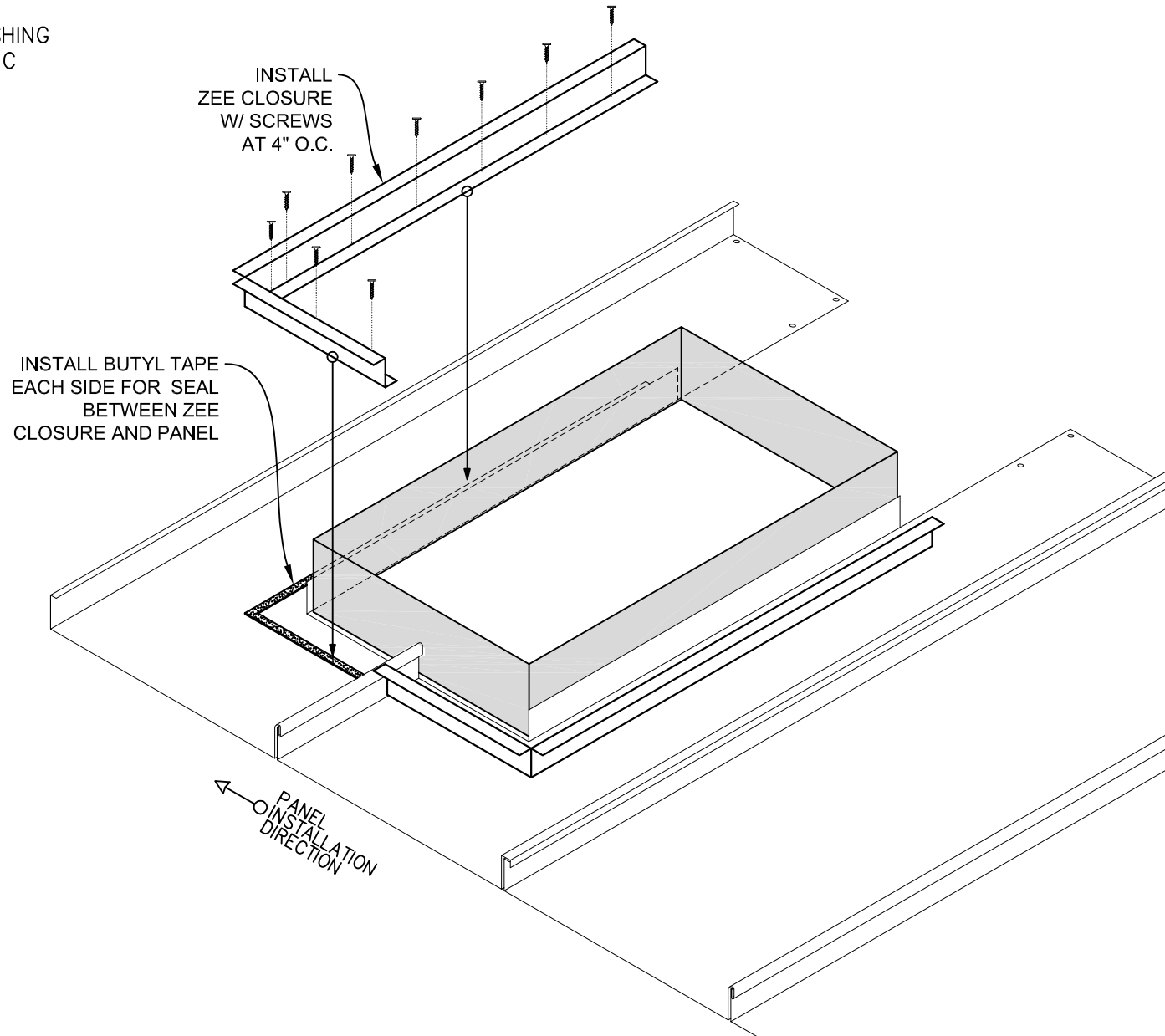
Substrate:

Project Name:

Location:

STEP 2

APPLY ZEE CLOSURE FLASHING
OVER DOUBLE BEAD MASTIC



Description:

ML200 CURB DETAILS - STEP 2

Detail No.:

ML200-CRB: 2 of 6

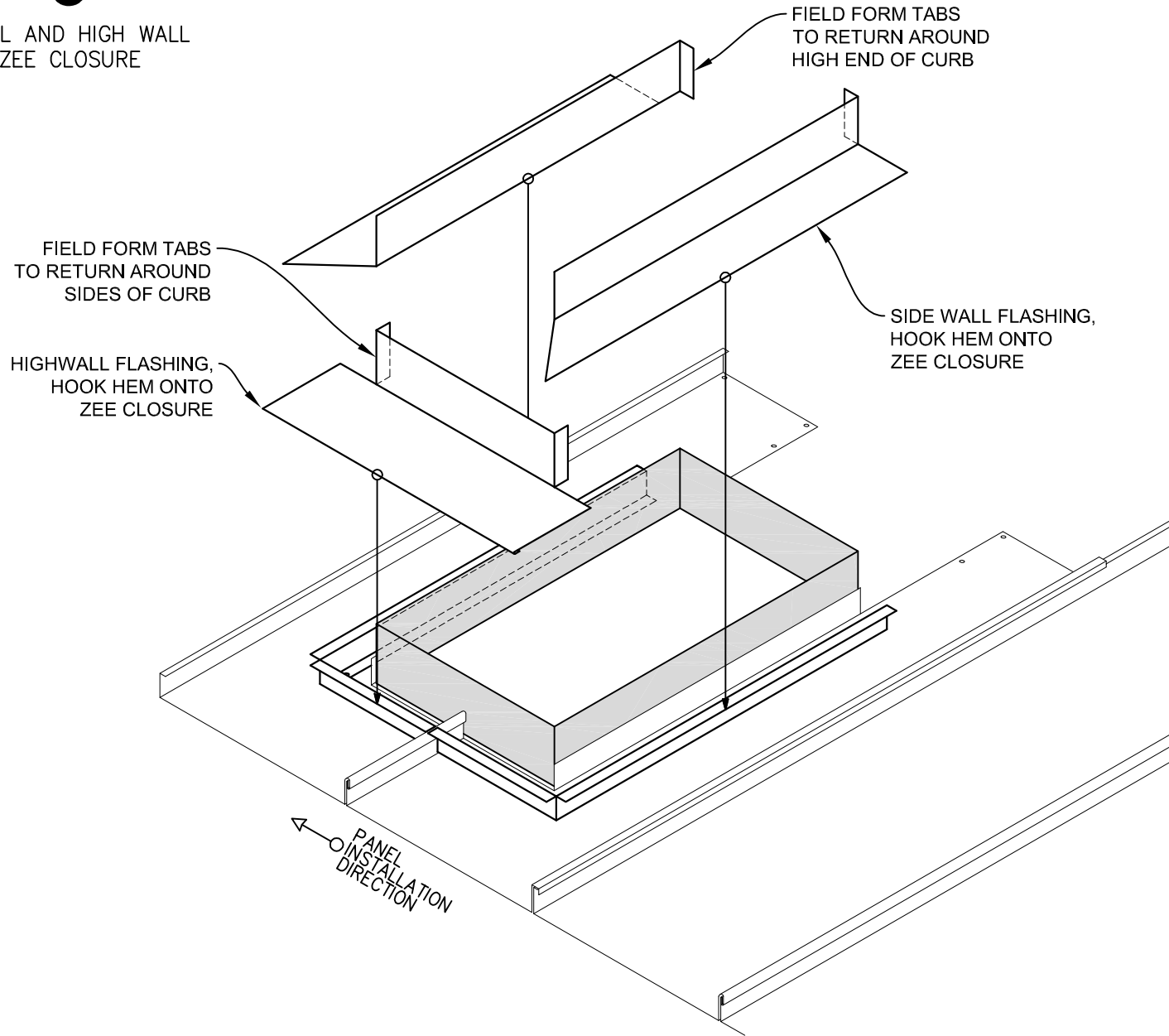
Substrate:

Project Name:

Location:

STEP 3

INSTALL SIDE WALL AND HIGH WALL FLASHINGS ATOP ZEE CLOSURE



Description:

ML200 CURB DETAILS - STEP 3

Detail No.:

ML200-CRB: 3 of 6

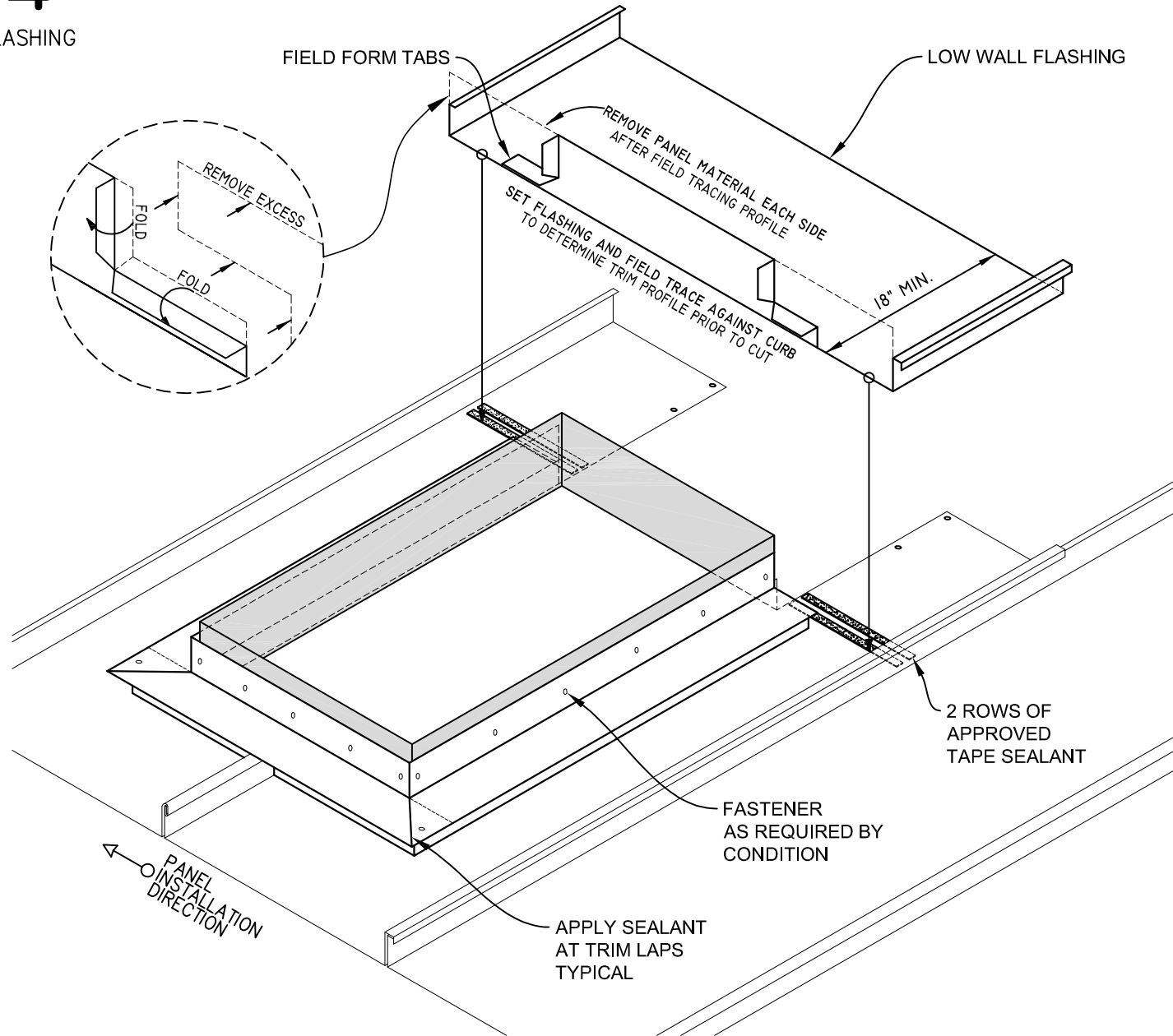
Substrate:

Project Name:

Location:

STEP 4

INSTALL LOW WALL FLASHING



Description:

ML200 CURB DETAILS - STEP 4

Detail No.:

ML200-CRB: 4 of 6

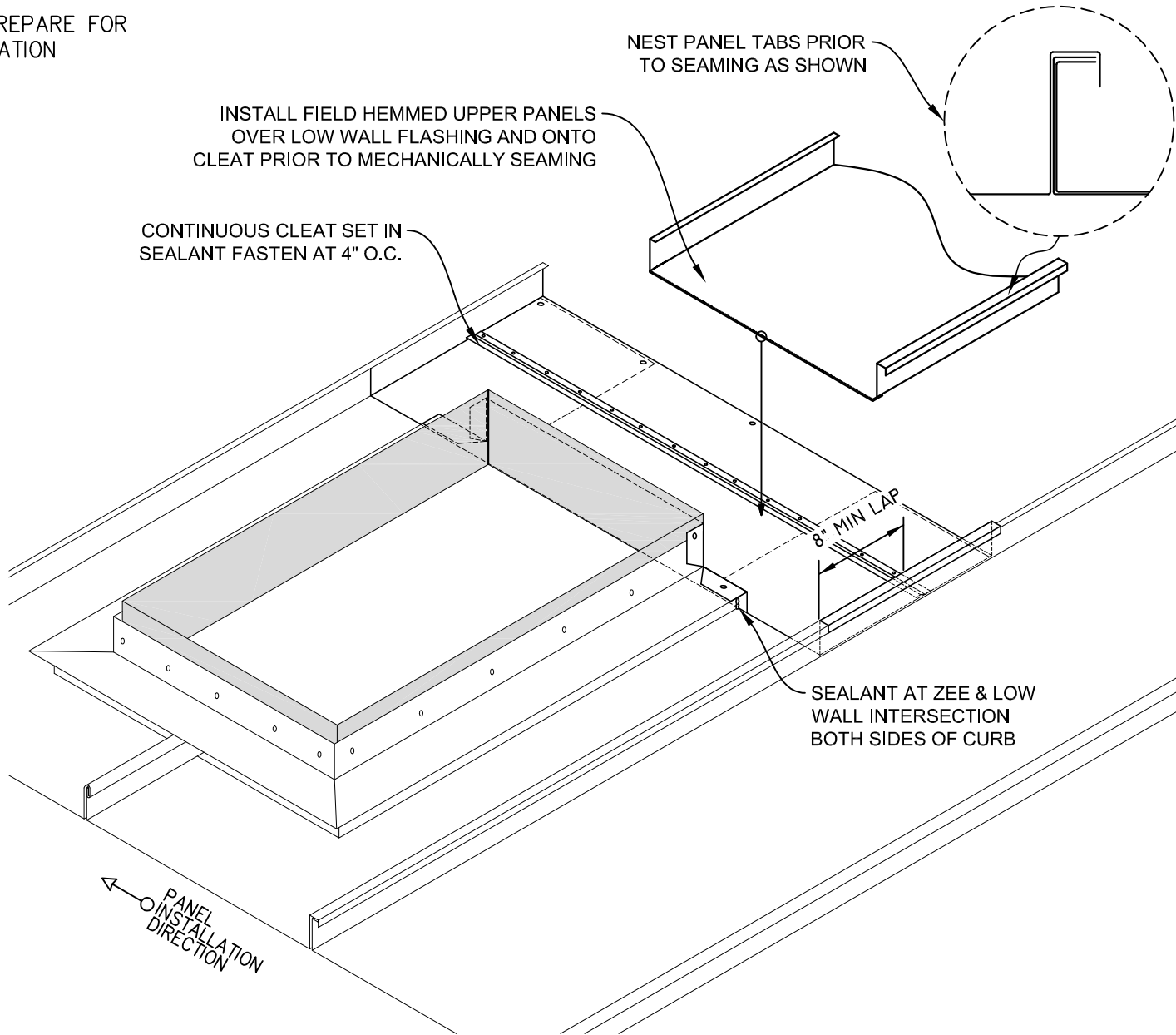
Substrate:

Project Name:

Location:

STEP 5

INSTALL CLEAT AND PREPARE FOR UPPER PANEL INSTALLATION



Description:

ML200 CURB DETAILS - STEP 5

Detail No.:

ML200-CRB: 5 of 6

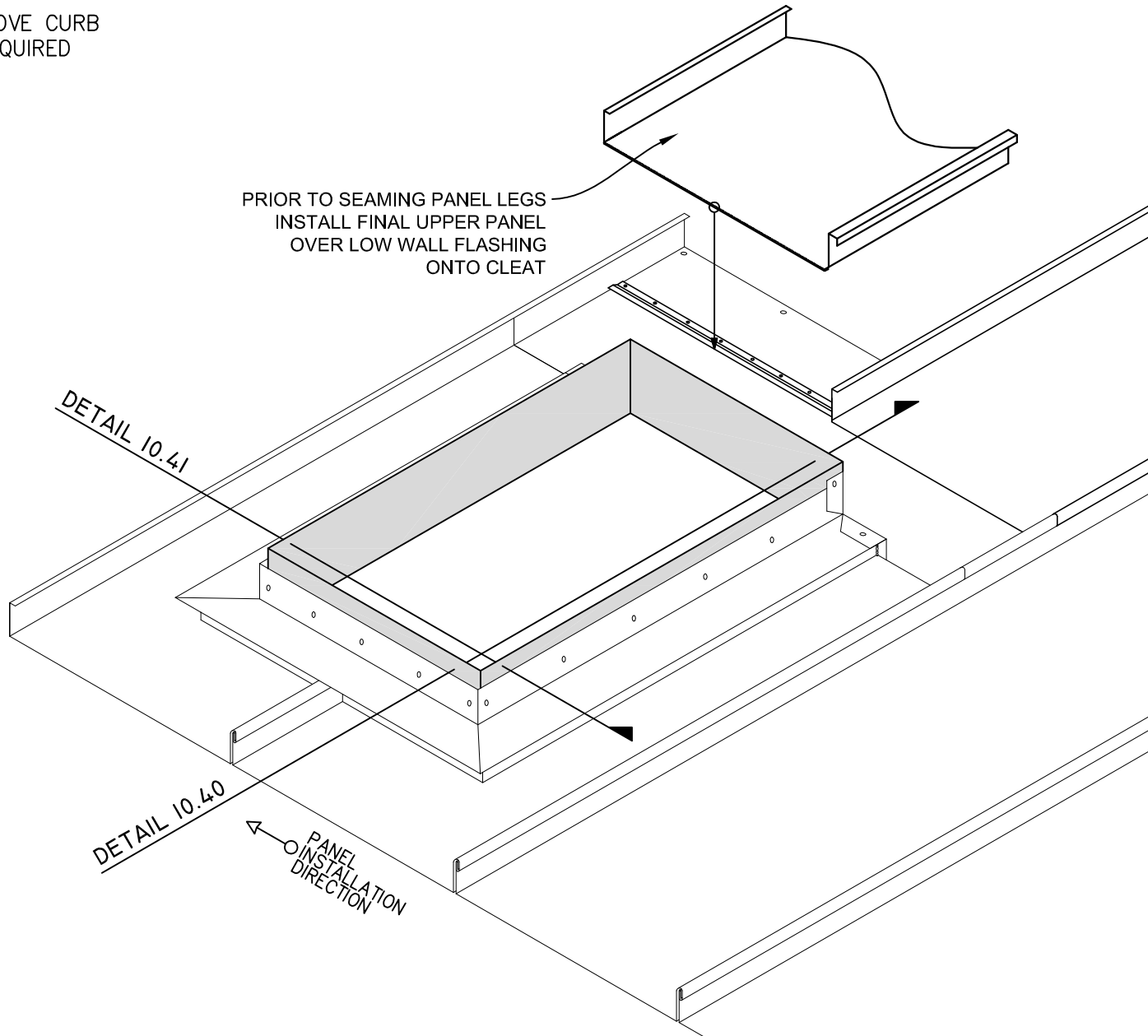
Substrate:

Project Name:

Location:

STEP 6

INSTALL FINAL PANEL ABOVE CURB
SEAL AND FASTEN AS REQUIRED



Description:

ML200 CURB DETAILS - STEP 6

Detail No.:

ML200-CRB: 6 of 6

Substrate:

Project Name:

Location: