

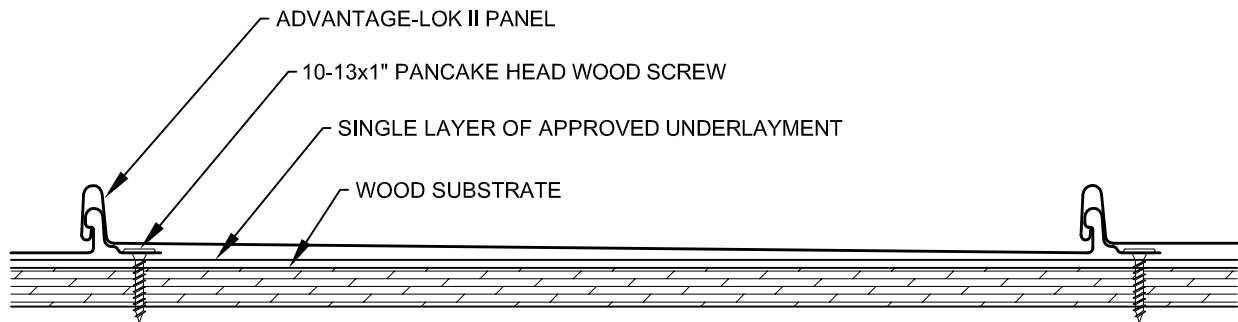


Advantage-Lok II

Wood Substrate 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



Advantage-Lok II

-Wood Substrate-

Index

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(Continued...)

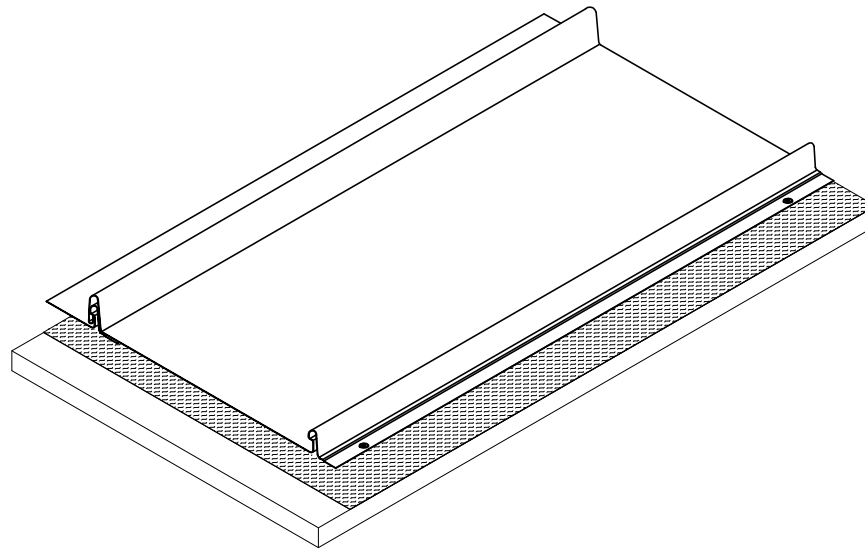
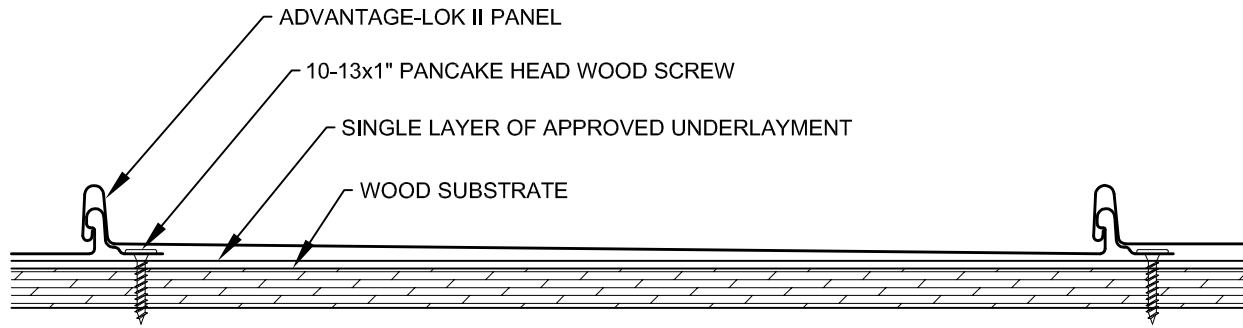


Advantage-Lok II

-Wood Substrate-

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Description:

ADLOK2 APPLICATION

Detail No.:

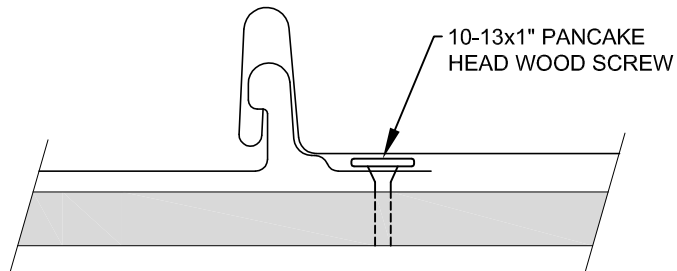
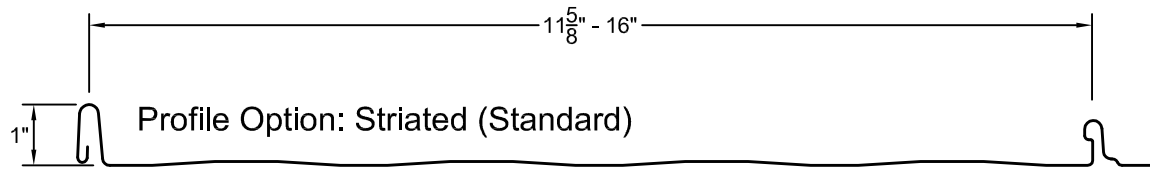
ADLOK2-WS-0.10

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



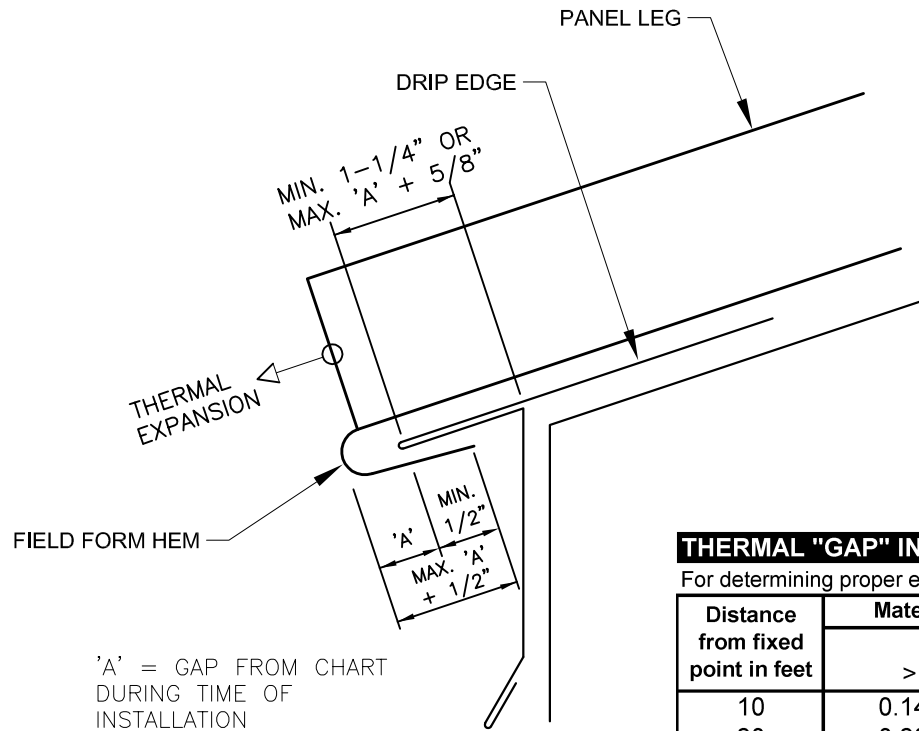
Description: ADLOK2 SYSTEM OVERVIEW - PANEL PROFILES

Detail No.: ADLOK2-0.20

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

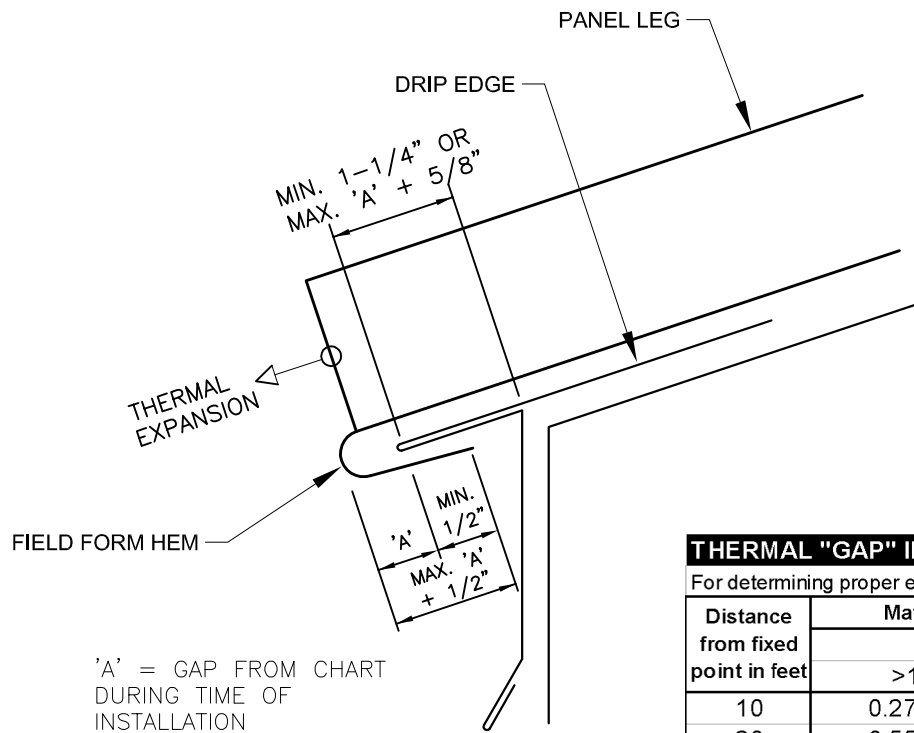


Description: **THERMAL GAP INSTALLATION CHART - STEEL**

Detail No.: **ADLOK2-0.30**

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		Warm		Cold	
	>100° F		100° to 50° F		<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



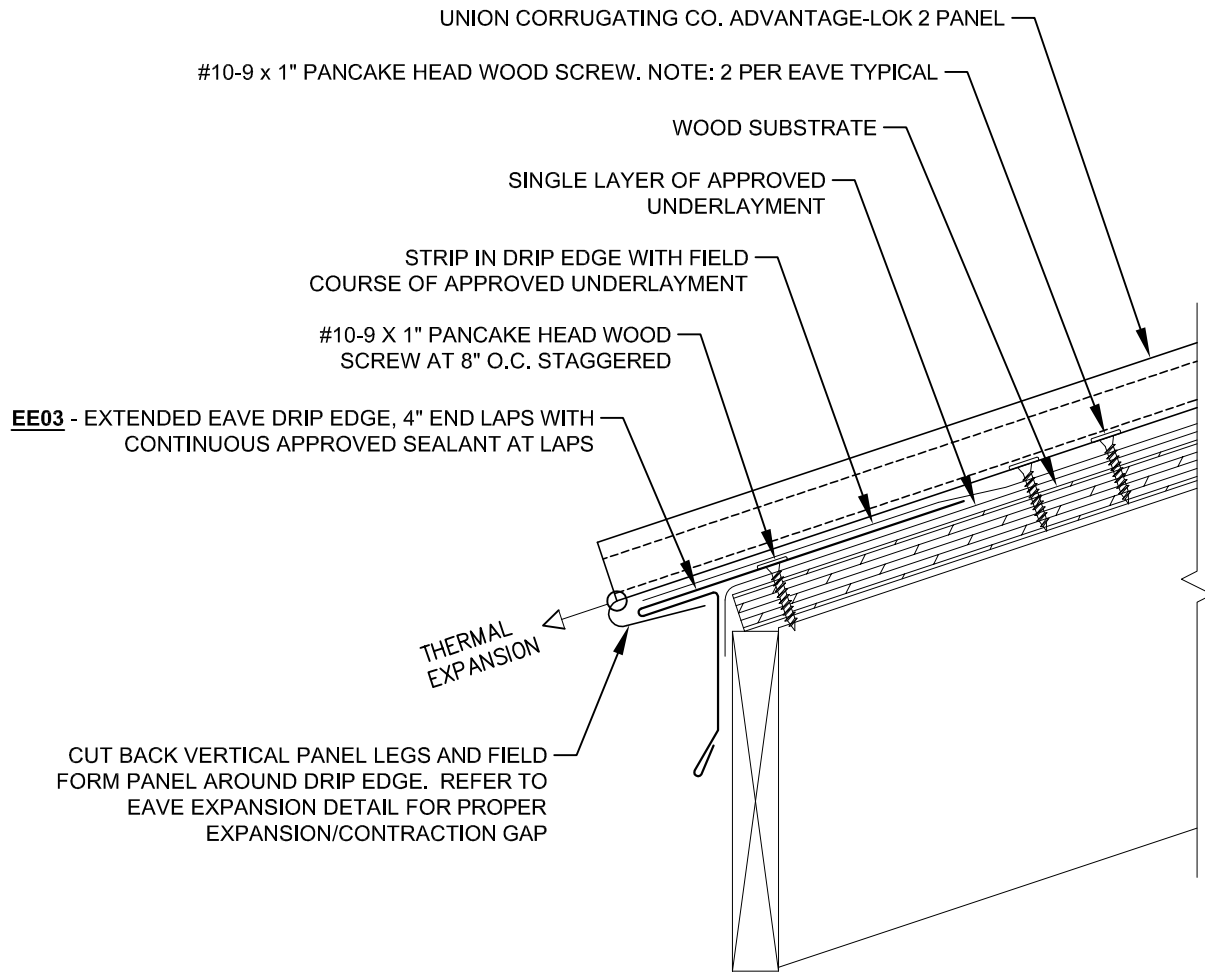
Description: **THERMAL GAP INSTALLATION CHART - ALUMINUM**

Detail No.: **ADLOK2-0.31**

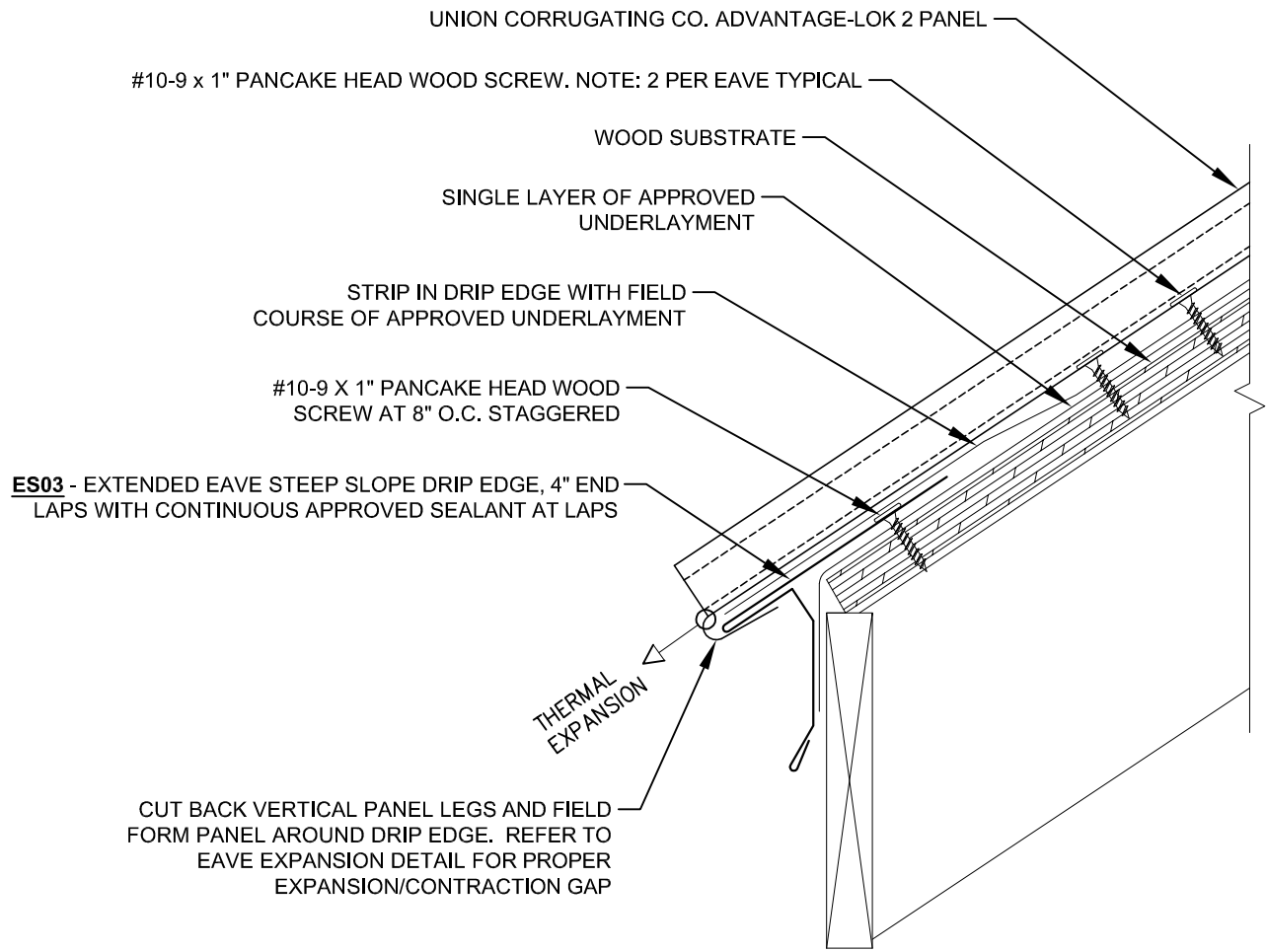
Substrate:

Project Name:

Location:



Description:	EXTENDED EAVE		Detail No.:
Substrate:	WOOD SUBSTRATE		ADLOK2-WS-1.10
	Project Name:	Location:	



Description:

EXTENDED EAVE - STEEP SLOPE

Detail No.:

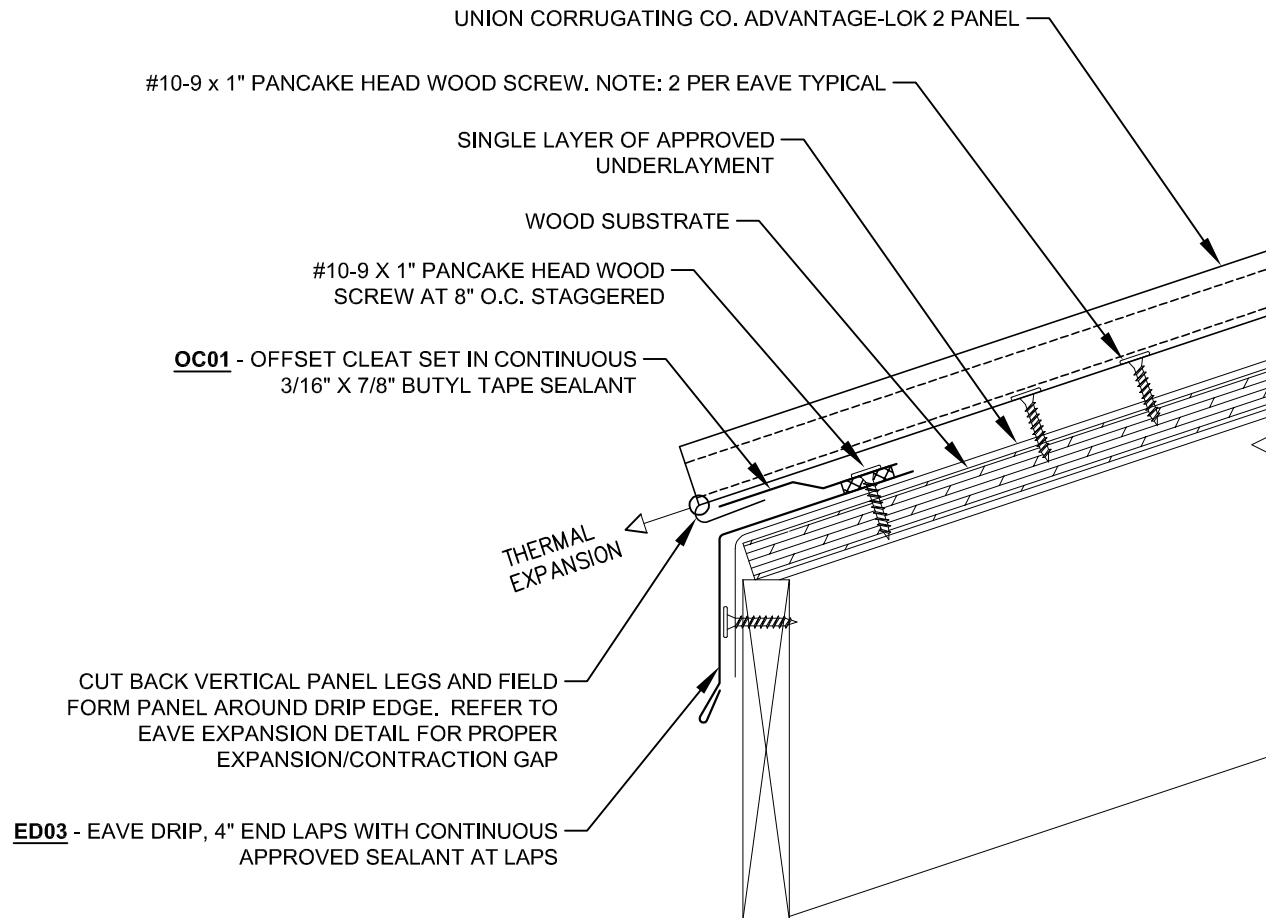
ADLOK2-WS-1.10A

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

FLUSH EAVE

Detail No.:

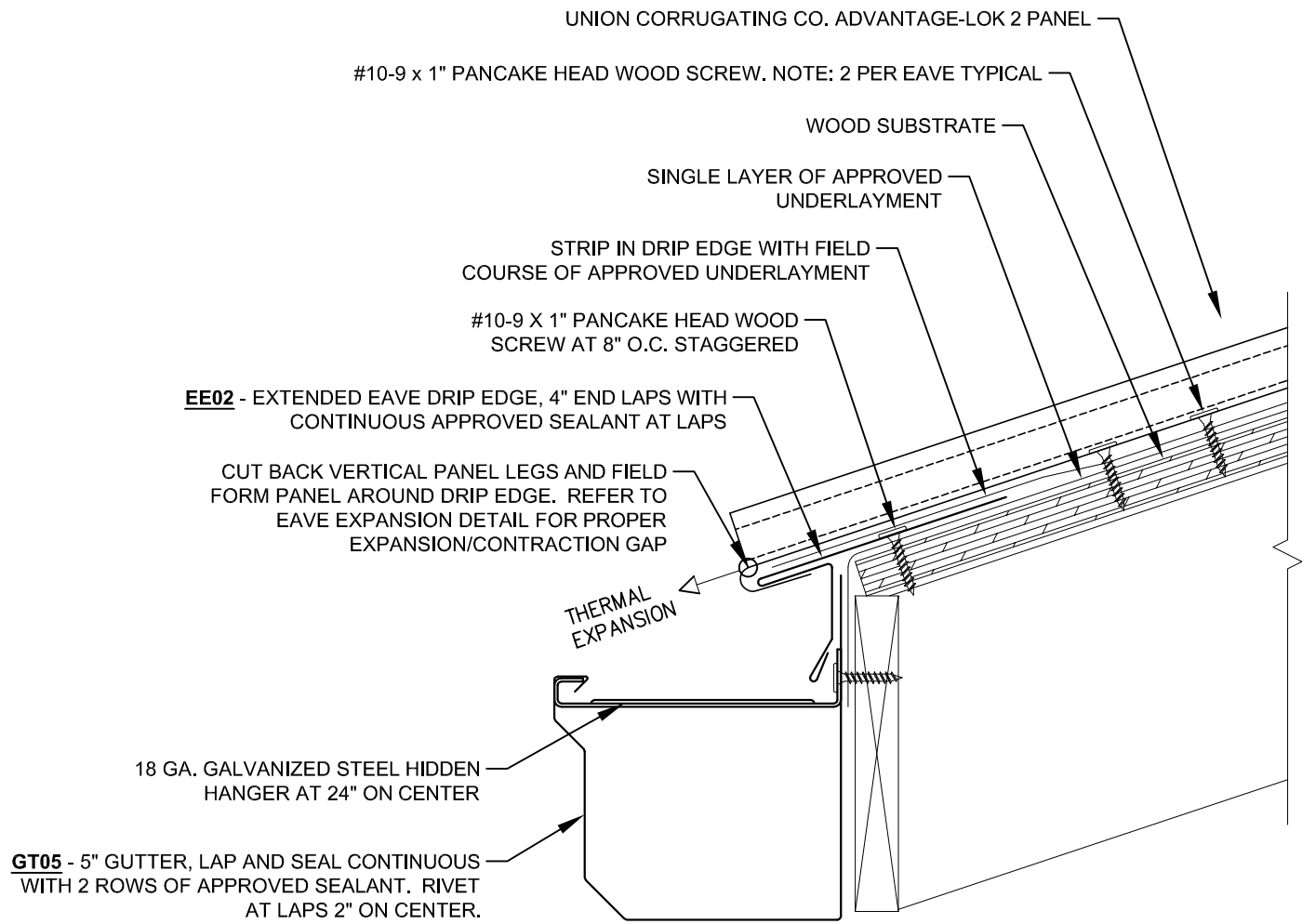
ADLOK2-WS-1.15

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



UNION CORRUGATING CO. ADVANTAGE-LOK 2 PANEL

#10-9 x 1" PANCAKE HEAD WOOD SCREW. NOTE: 2 PER EAVE TYPICAL

WOOD SUBSTRATE

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

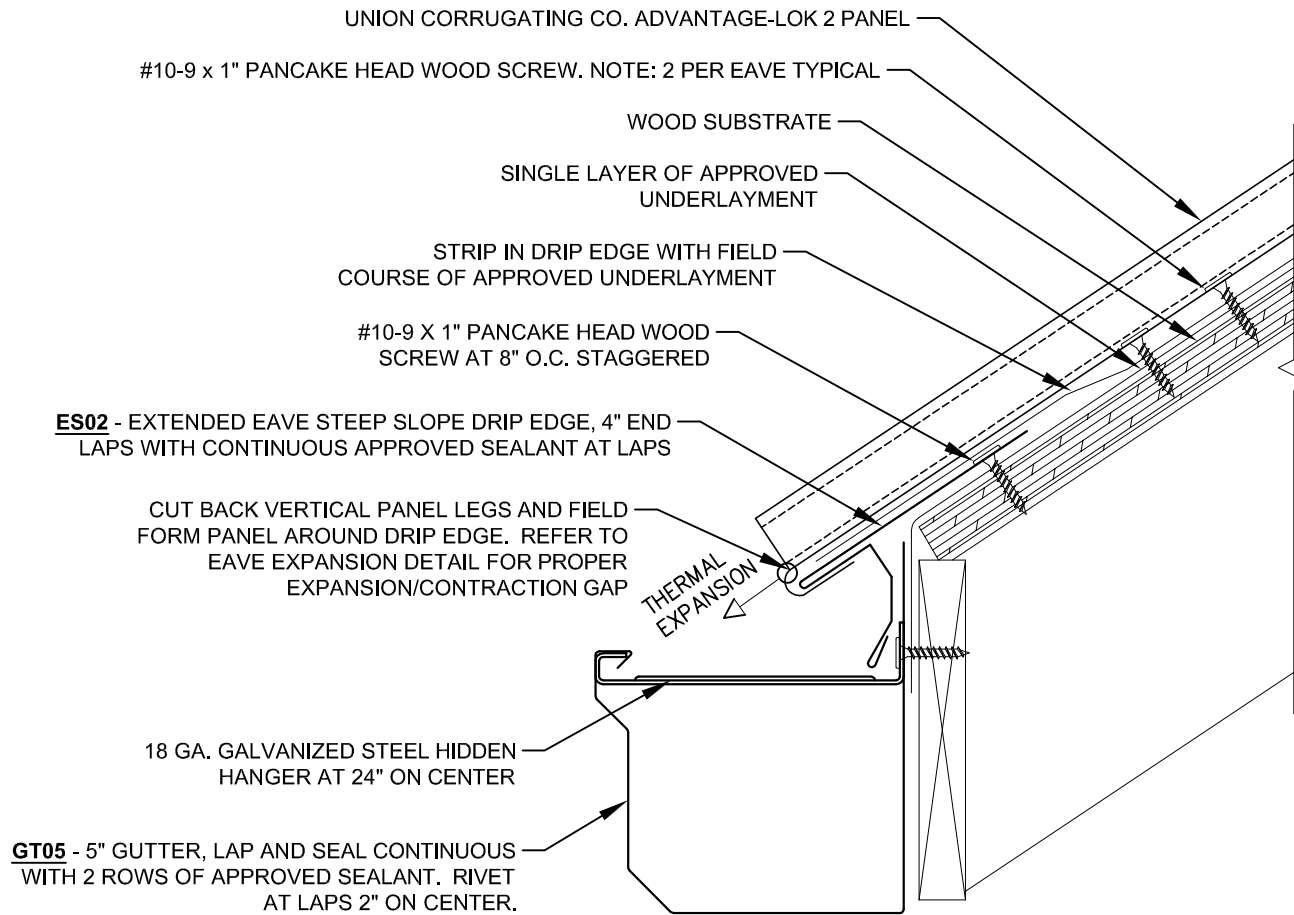
THERMAL EXPANSION

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

GT05 - 5" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.



Description:	EXTENDED EAVE WITH GUTTER		Detail No.: ADLOK2-WS-1.20
	Substrate:	WOOD SUBSTRATE	

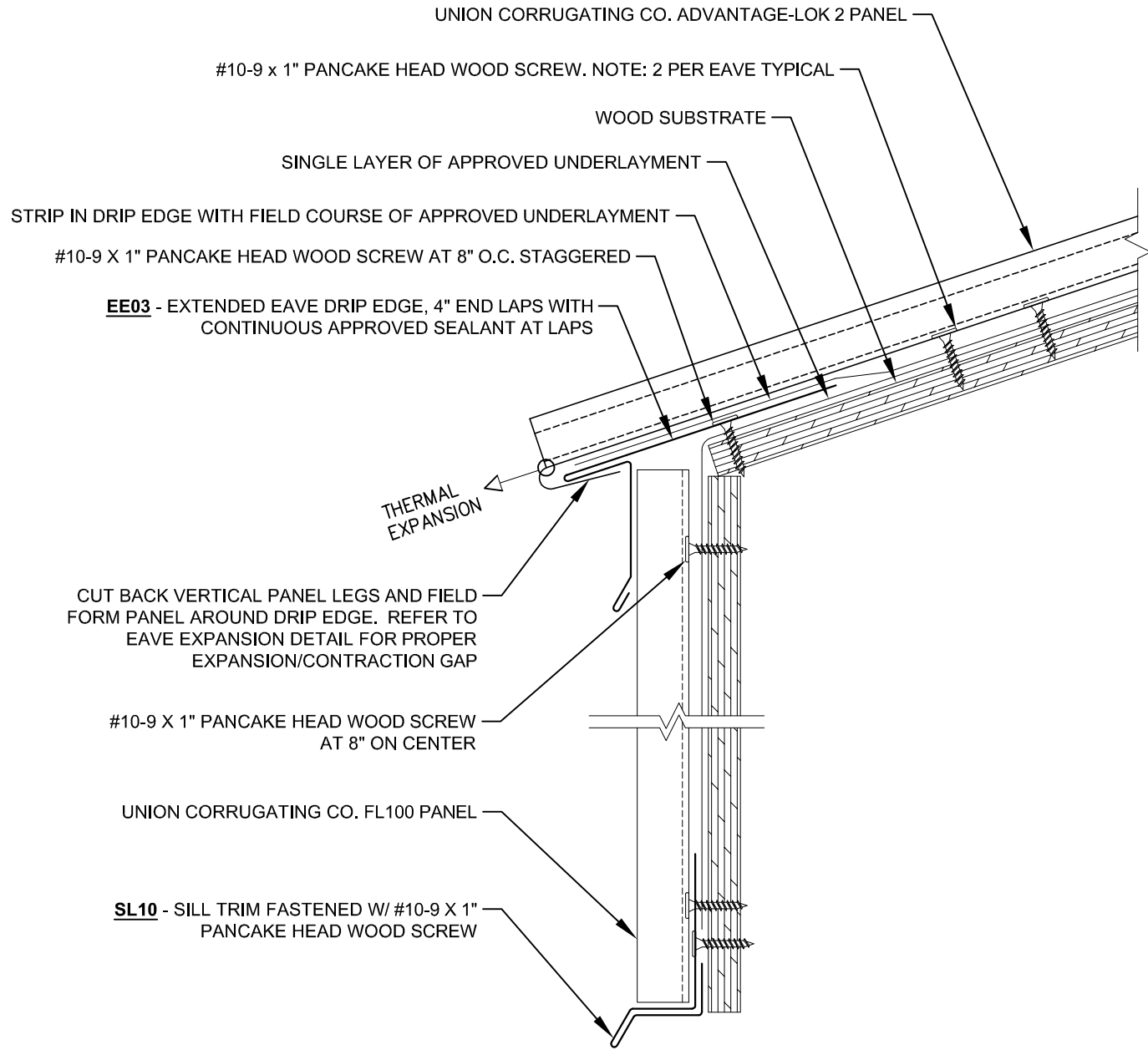


Description: **EXTENDED EAVE W/ GUTTER - STEEP SLOPE**

Detail No.: **ADLOK2-WS-1.20A**

Substrate: **WOOD SUBSTRATE**

Project Name:
Location:

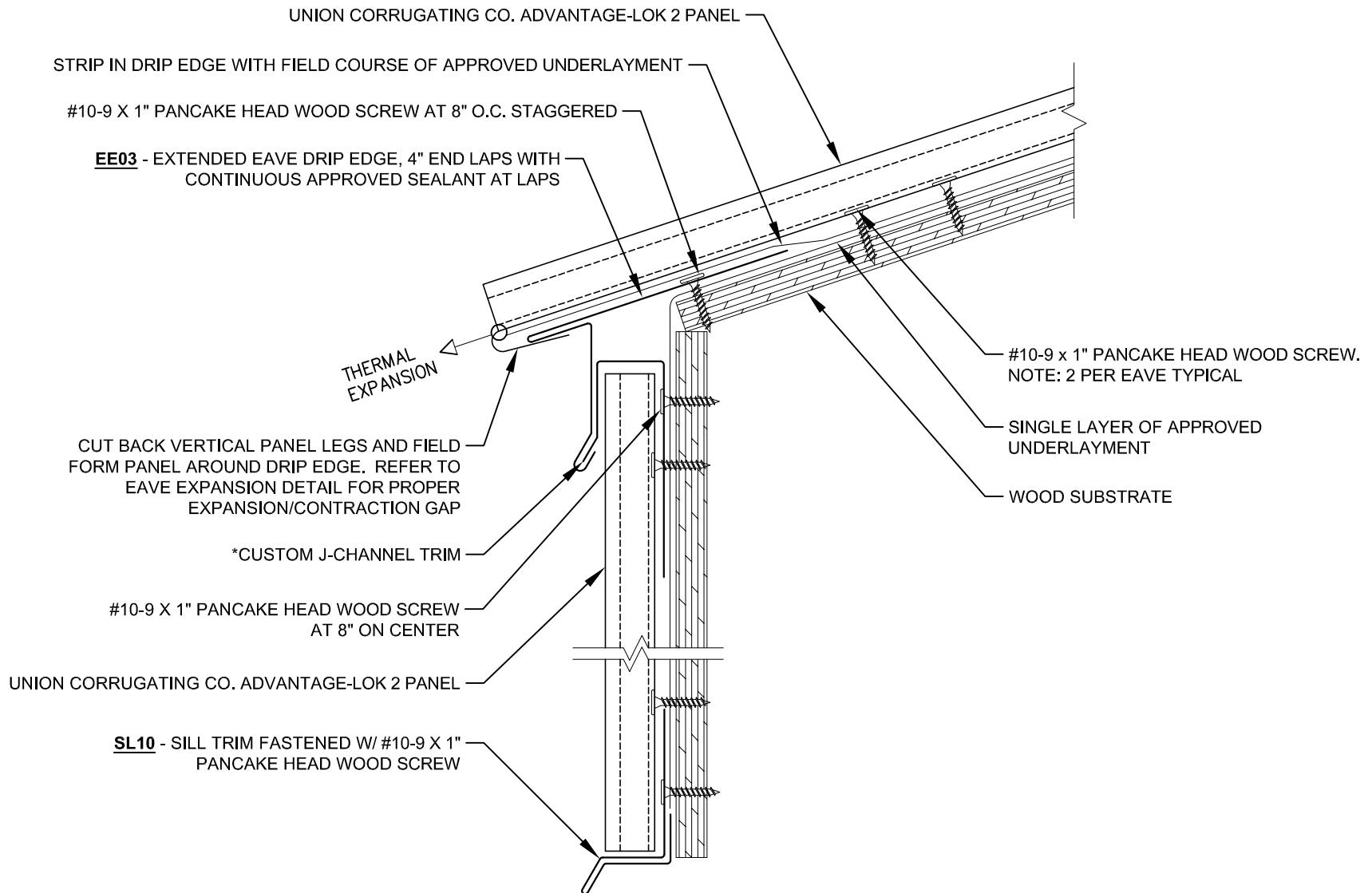


Description: **EXTENDED EAVE W/ VERTICAL FLUSH PANEL**

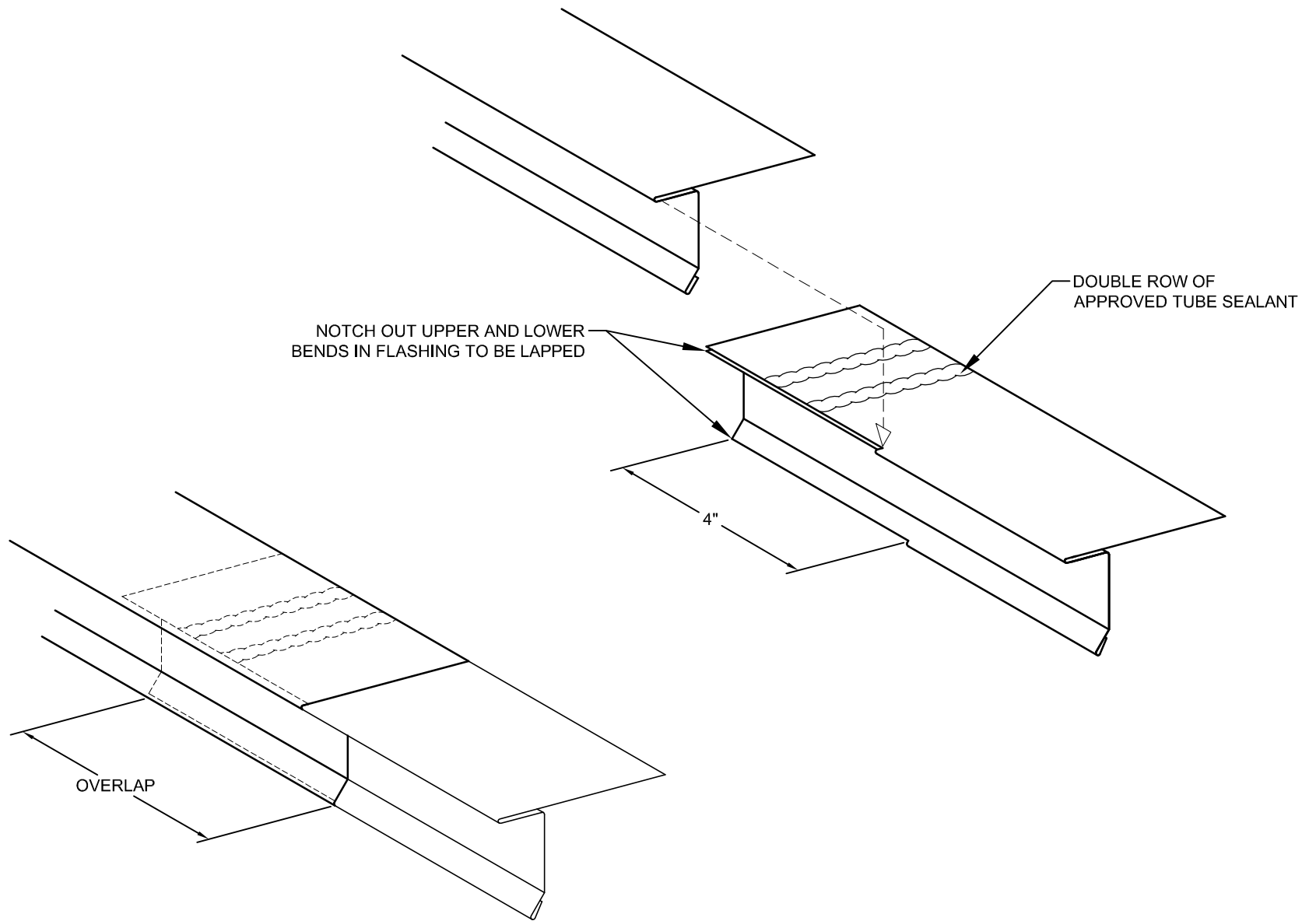
Detail No.: **ADLOK2-WS-1.50**

Substrate: **WOOD SUBSTRATE**

Project Name:
Location:



Description:	EXT. EAVE W/ VERTICAL STANDING SEAM PANELS		Detail No.:	ADLOK2-WS-1.60
	Substrate:	WOOD SUBSTRATE		
	Project Name:			
	Location:			



Description:

DRIP EDGE LAP DETAIL

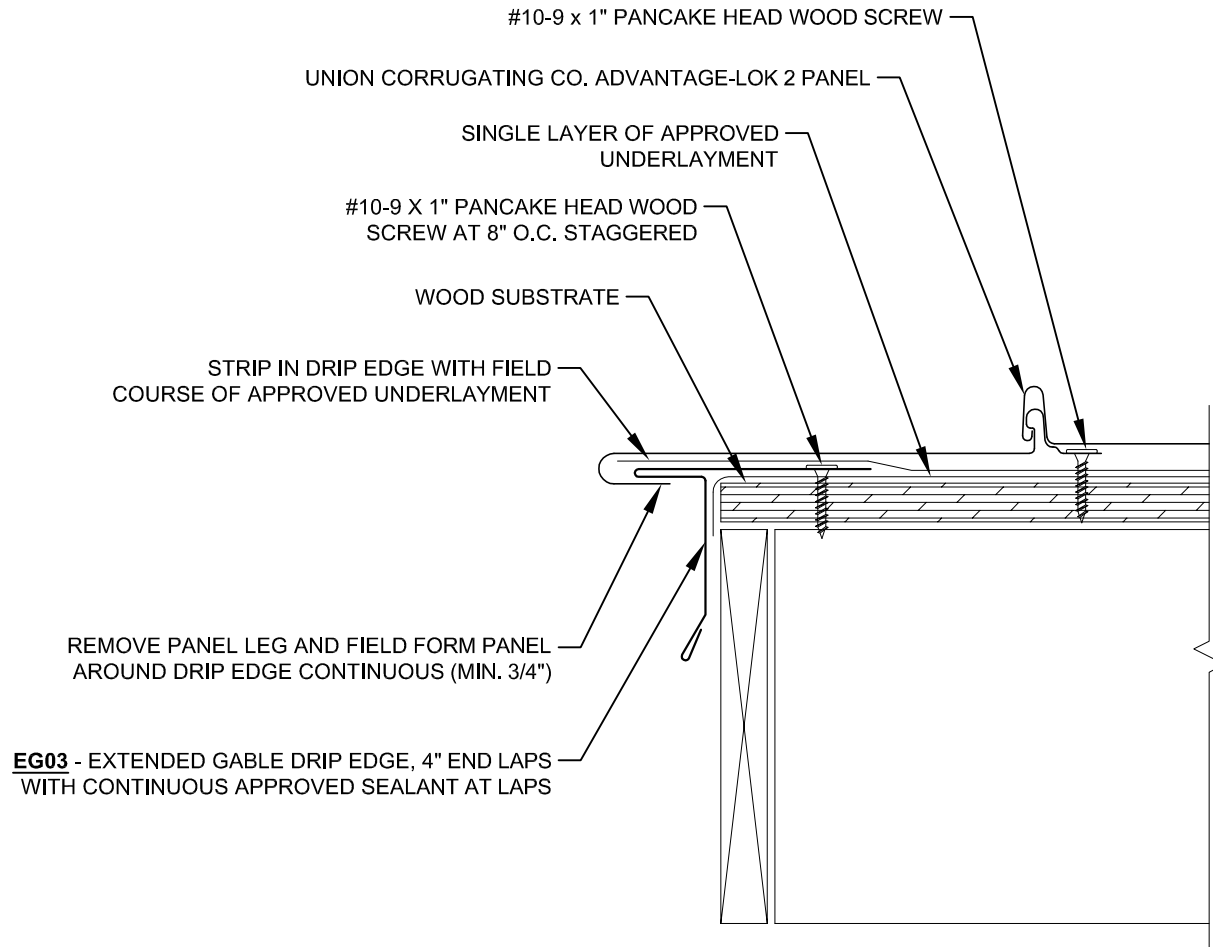
Detail No.:

ADLOK2-1.90

Substrate:

Project Name:

Location:



Description:

GABLE DETAIL - EXTENDED DRIP STYLE

Detail No.:

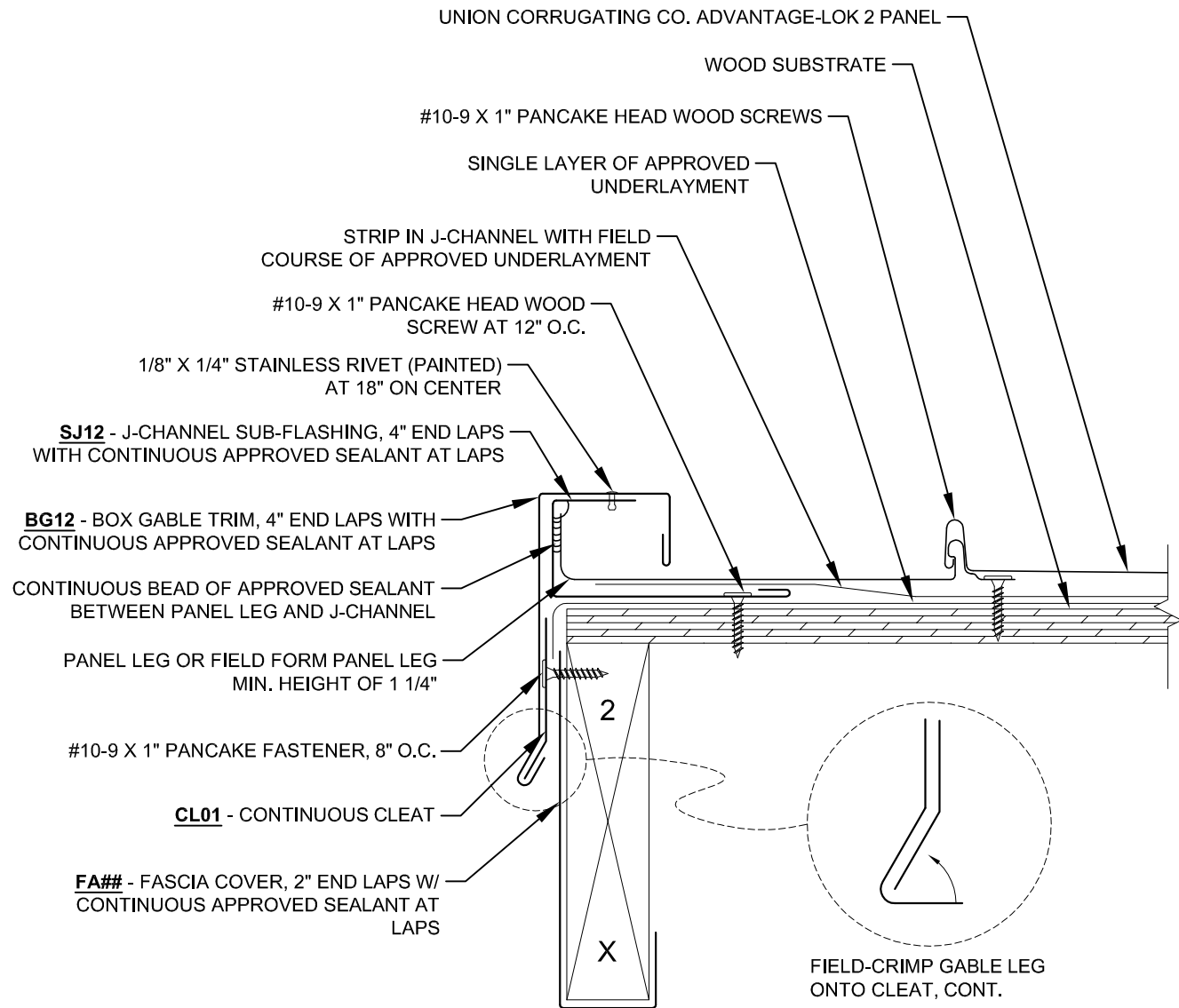
ADLOK2-WS-2.10

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

GABLE DETAIL - BOX STYLE

Detail No.:

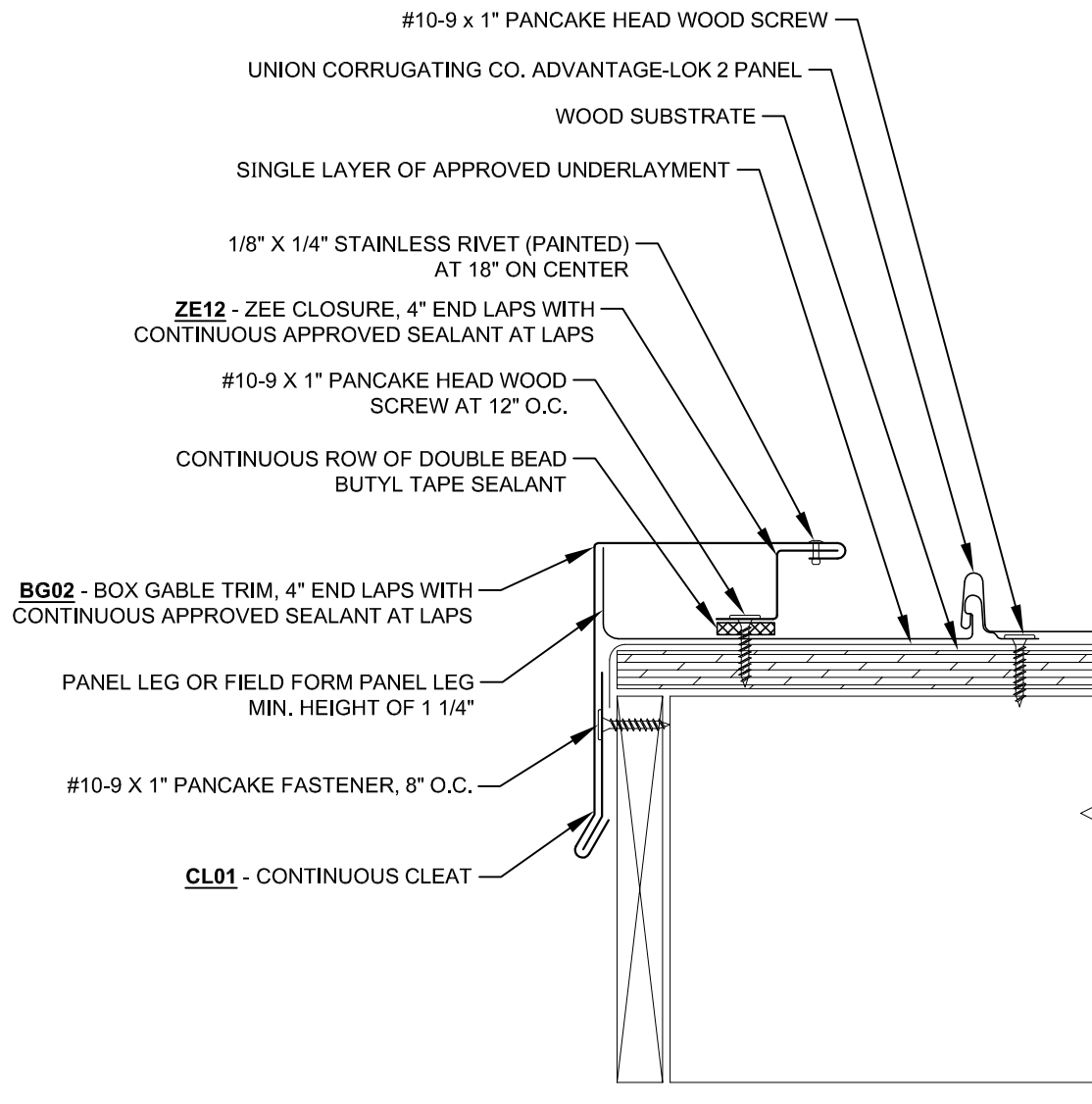
ADLOK2-WS-2.20

Substrate:

WOOD SUBSTRATE

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".

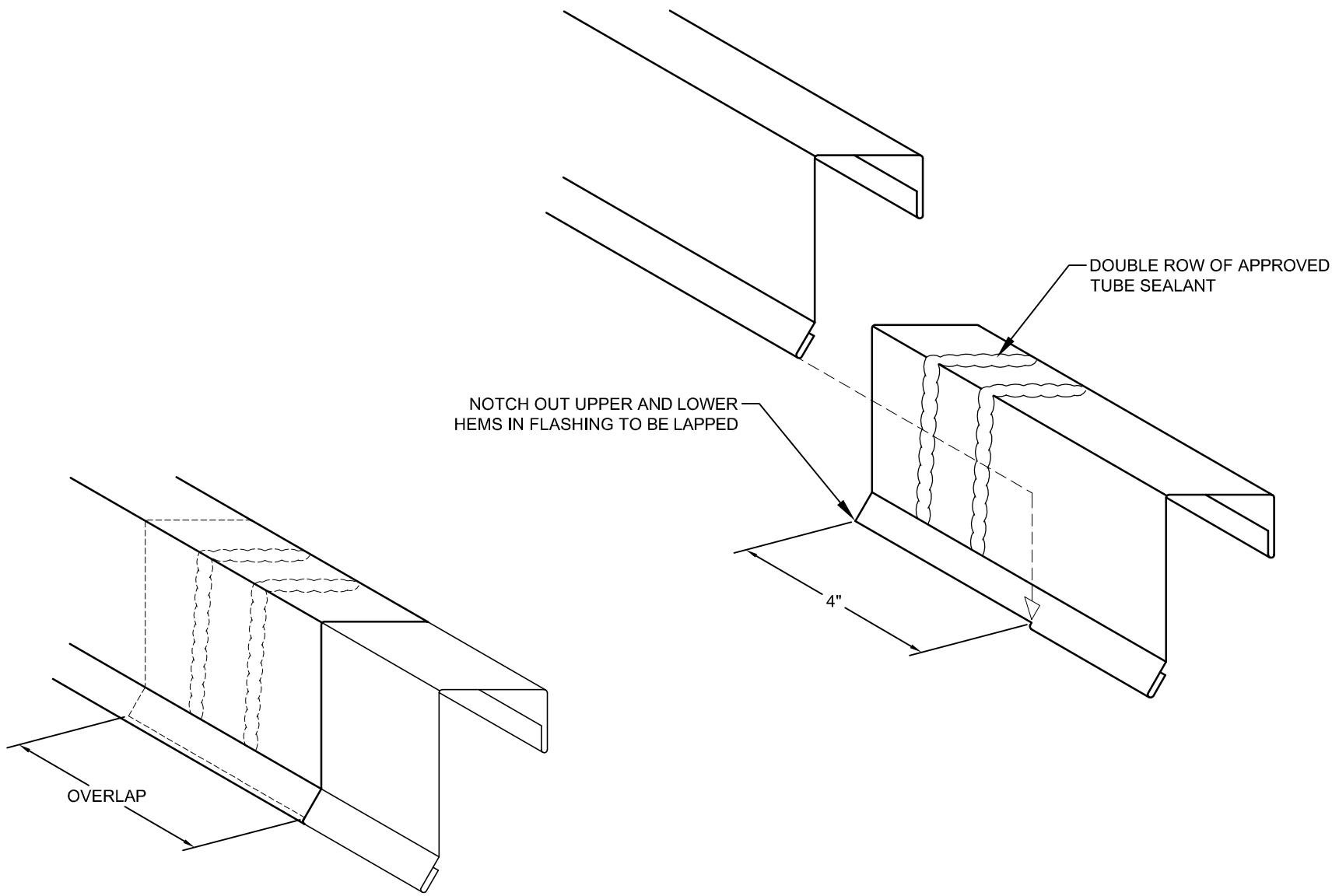


Description: **GABLE DETAIL - BOX STYLE W/ Z-CLOSURE**

Detail No.: **ADLOK2-WS-2.30**

Substrate: **WOOD SUBSTRATE**

Project Name:
Location:



Description:

BOX GABLE LAP DETAIL

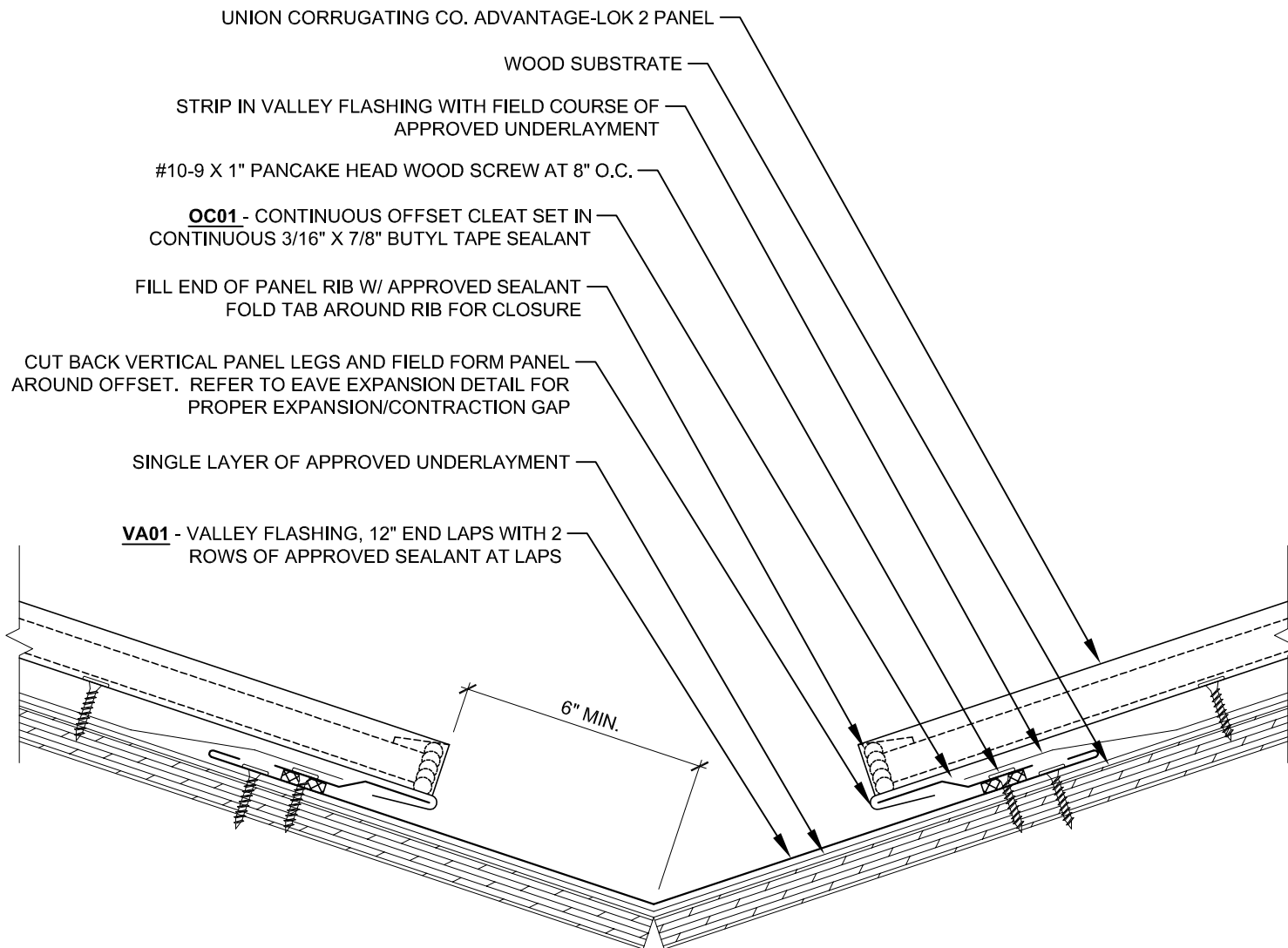
Detail No.:

ADLOK2-2.90

Substrate:

Project Name:

Location:



Description:

VALLEY DETAIL

Detail No.:

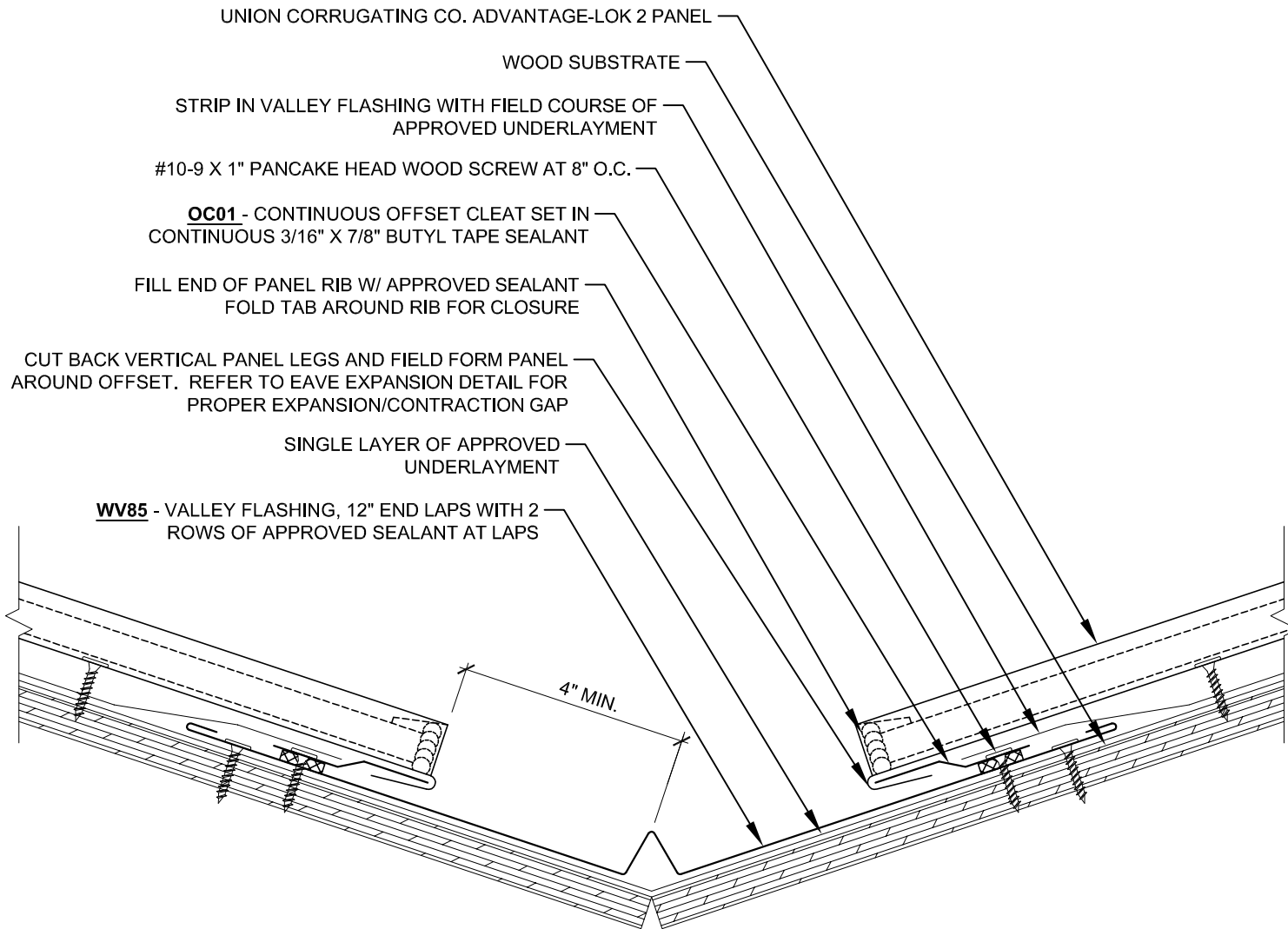
ADLOK2-WS-3.20

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

W-VALLEY DETAIL

Detail No.:

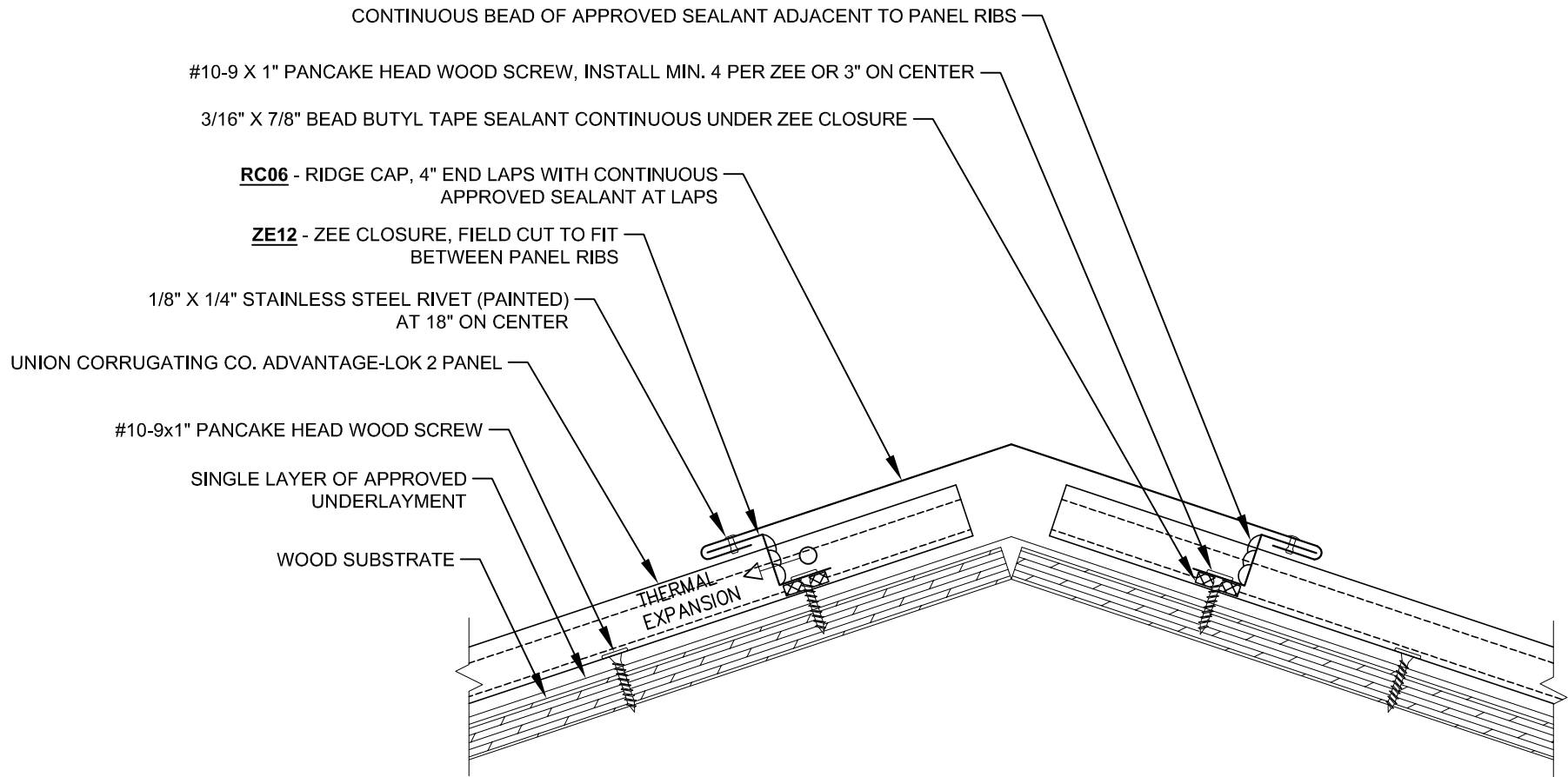
ADLOK2-WS-3.30

Substrate:

WOOD SUBSTRATE

Project Name:

Location:

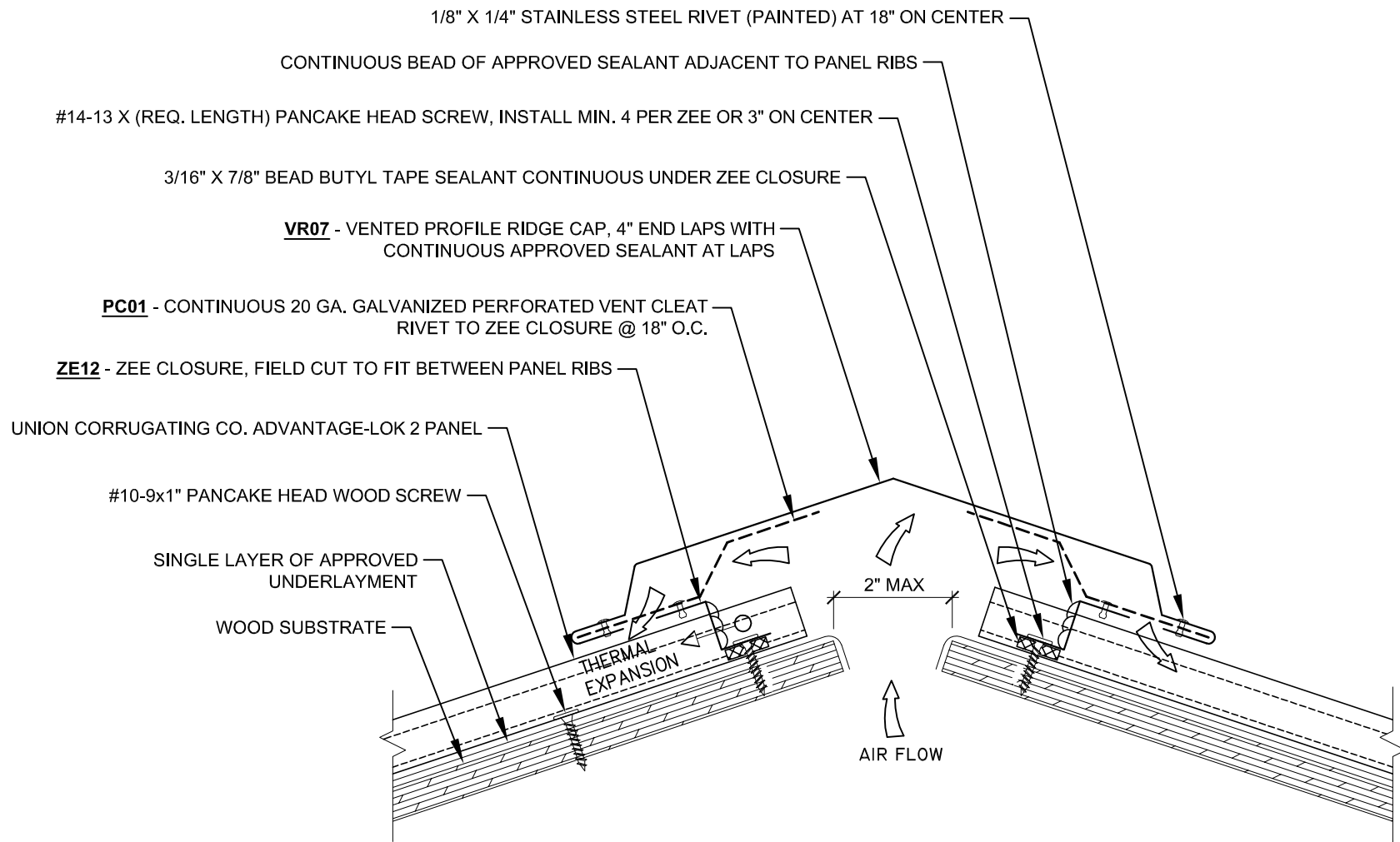


Description: **HIP AND RIDGE DETAIL**

Detail No.: **ADLOK2-WS-4.10**

Substrate: **WOOD SUBSTRATE**

Project Name:
Location:



Description:

VENTED RIDGE DETAIL

Detail No.:

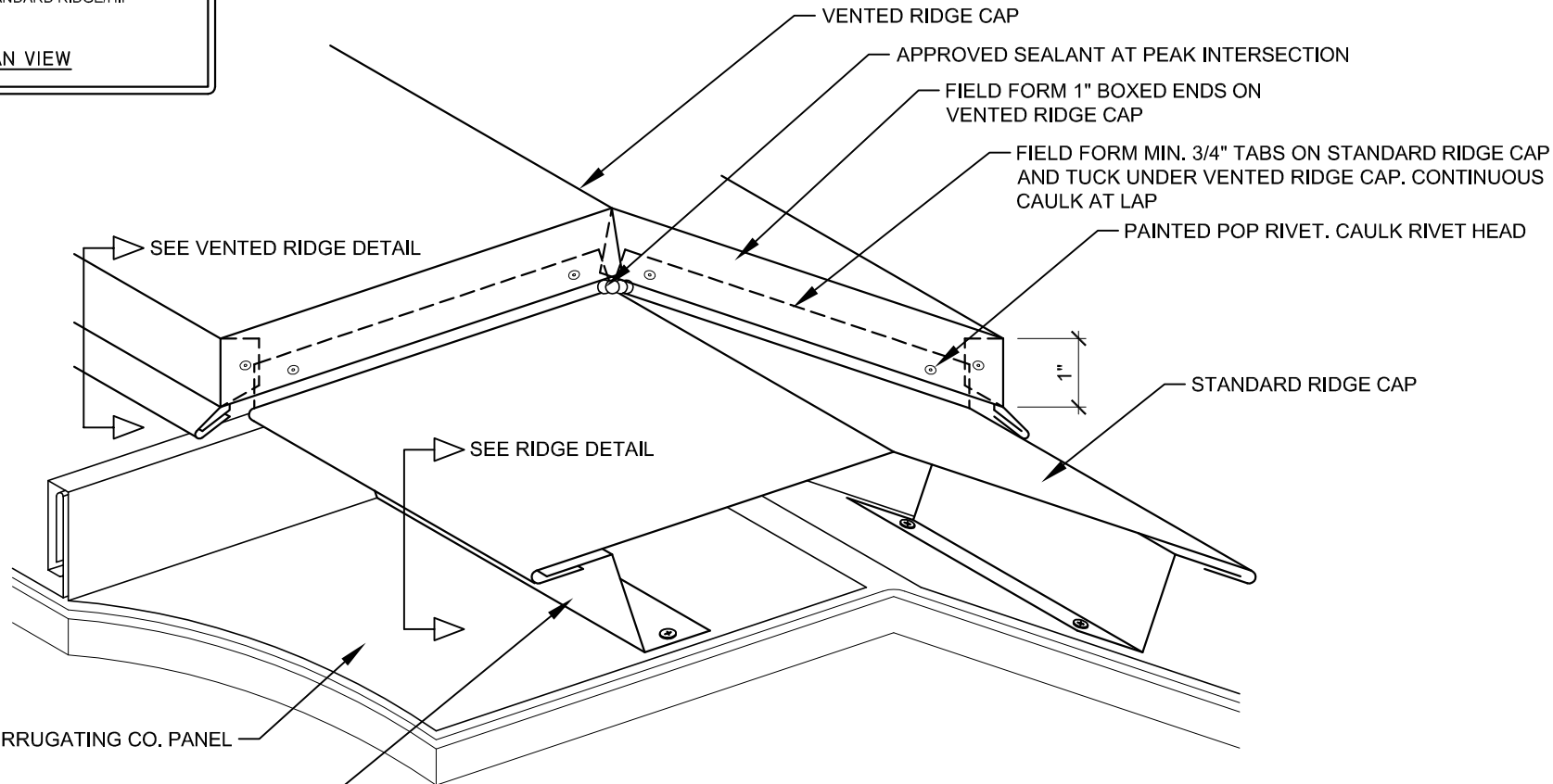
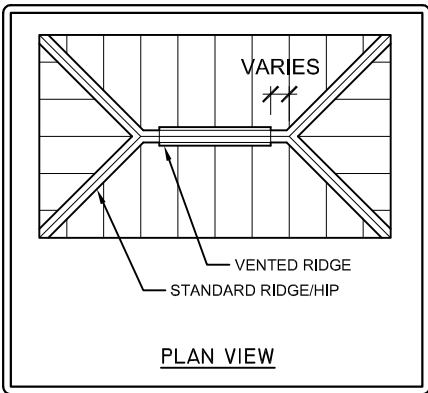
ADLOK2-WS-4.20

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



ZEE CLOSURE SET IN CONTINUOUS BEAD OF SEALANT, CUT TO FIT BETWEEN PANEL RIBS

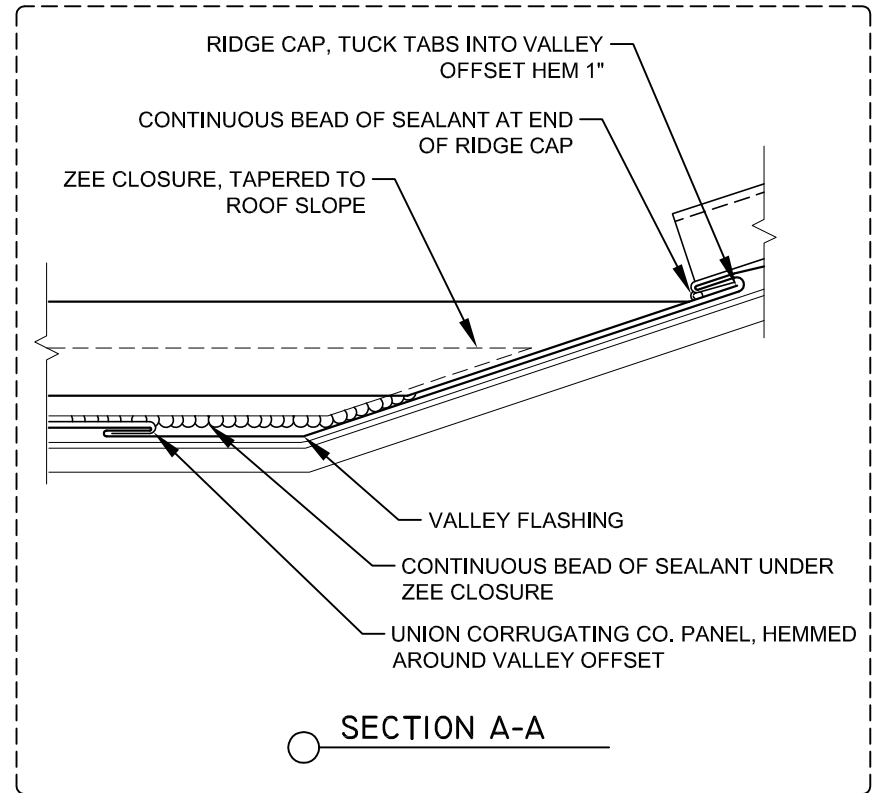
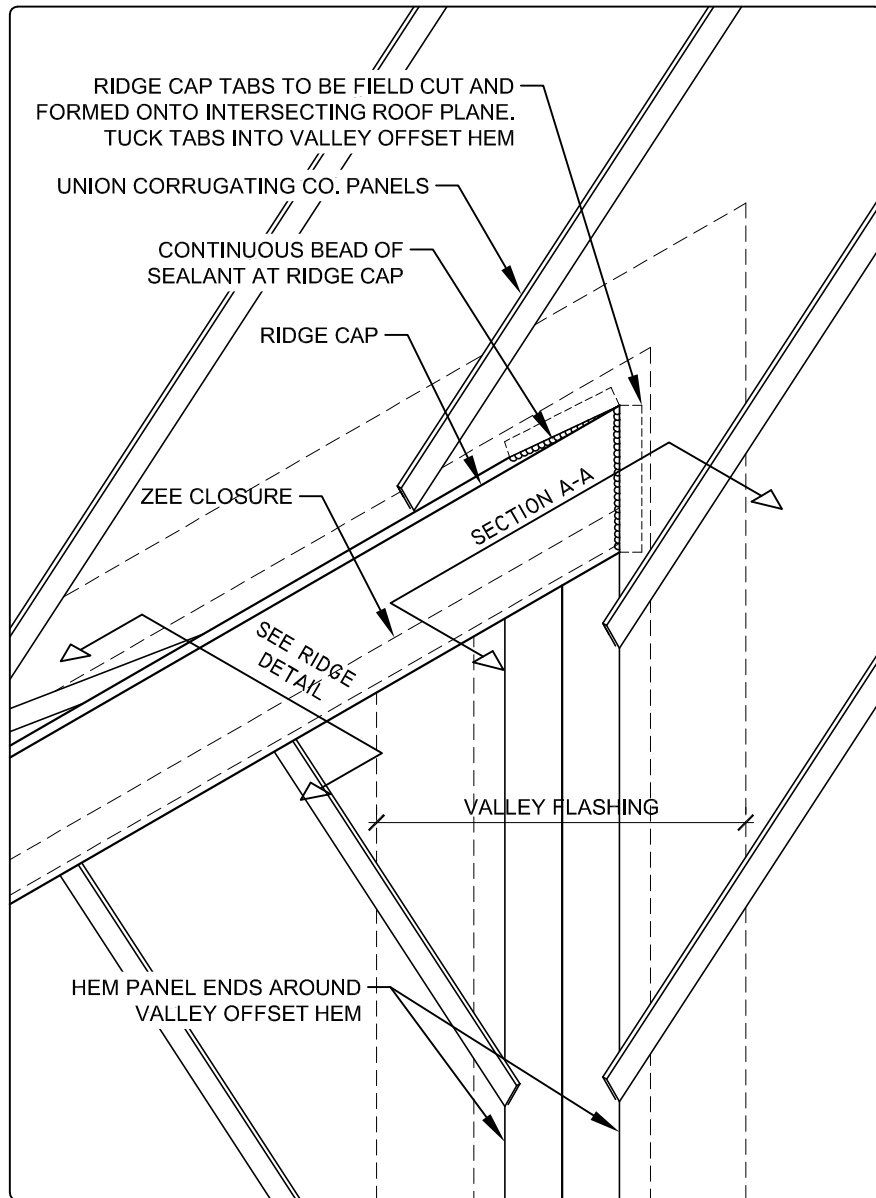


Description: **STANDARD TO VENTED RIDGE TRANSITION**

Detail No.: **ADLOK2-4.30**

Substrate:

Project Name:
Location:



Description:

RIDGE TERMINATION @ VALLEY

Detail No.:

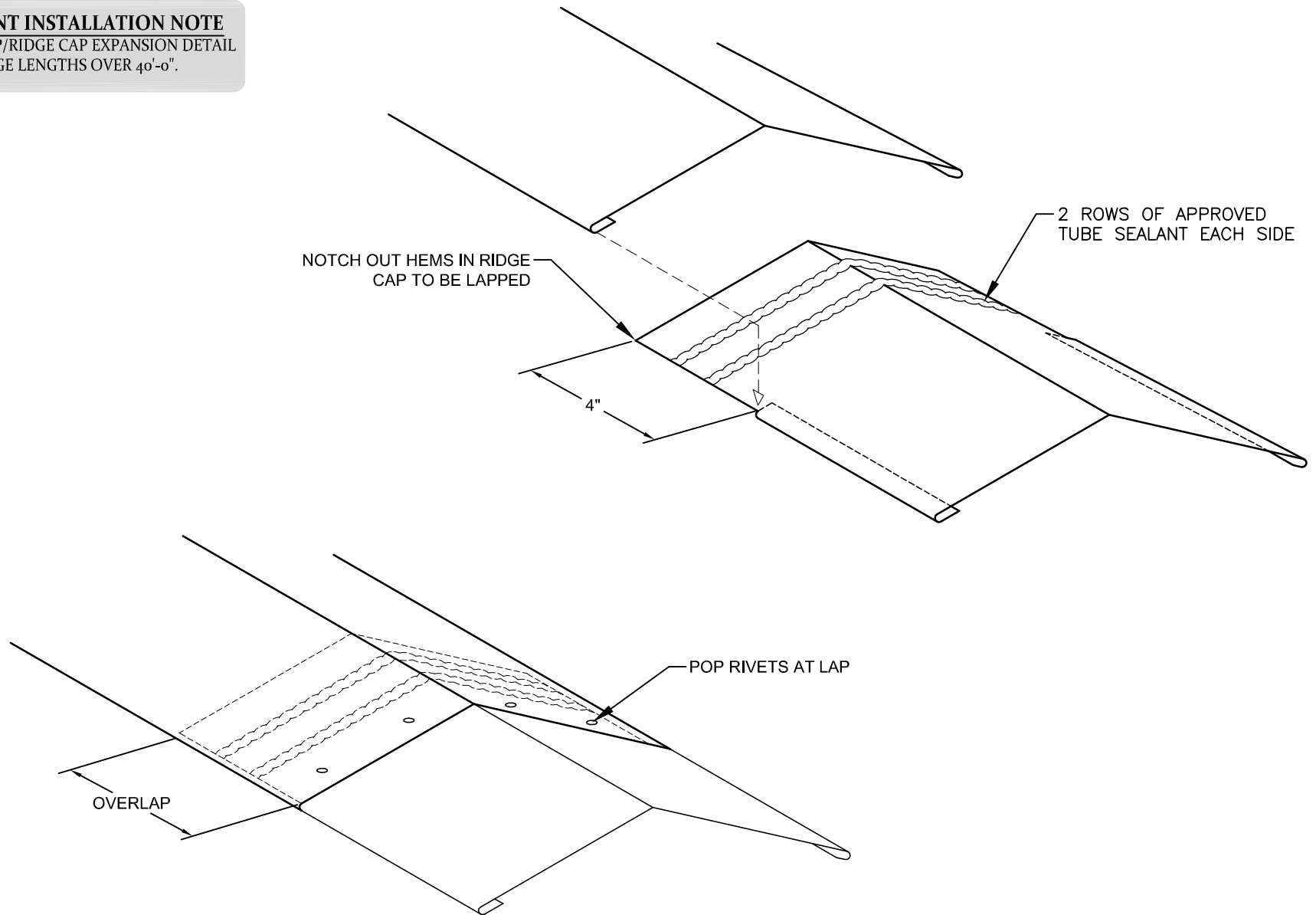
ADLOK2-4.40

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.:

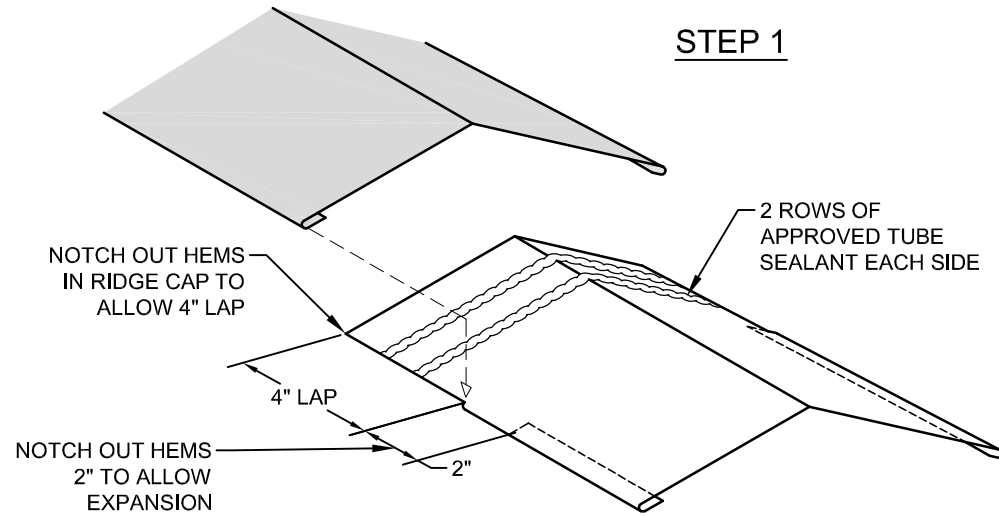
ADLOK2-4.90

Substrate:

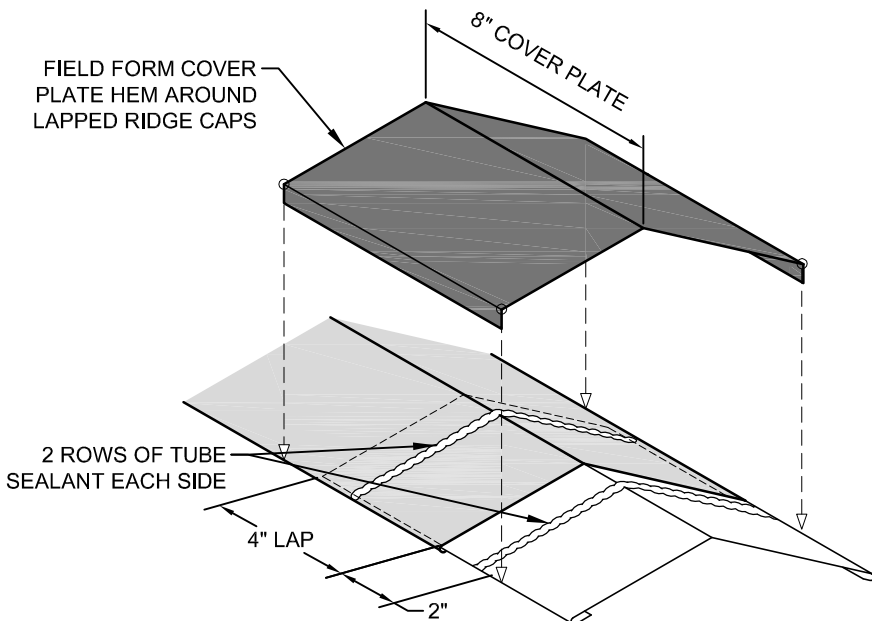
Project Name:

Location:

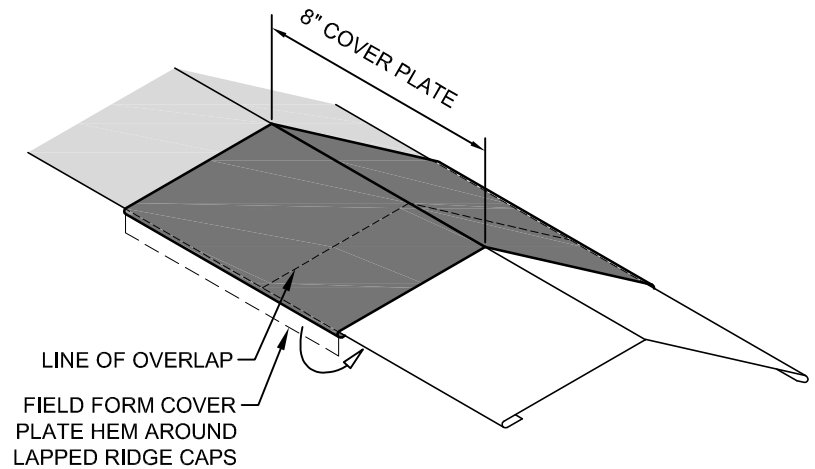
STEP 1



IMPORTANT INSTALLATION NOTE
 USE AT EVERY 4'0" OF CONTINUOUS RIDGE.
 DO NOT POP RIVET LAPPED FLASHING.



STEP 2



STEP 3



Description:

HIP & RIDGE CAP EXPANSION

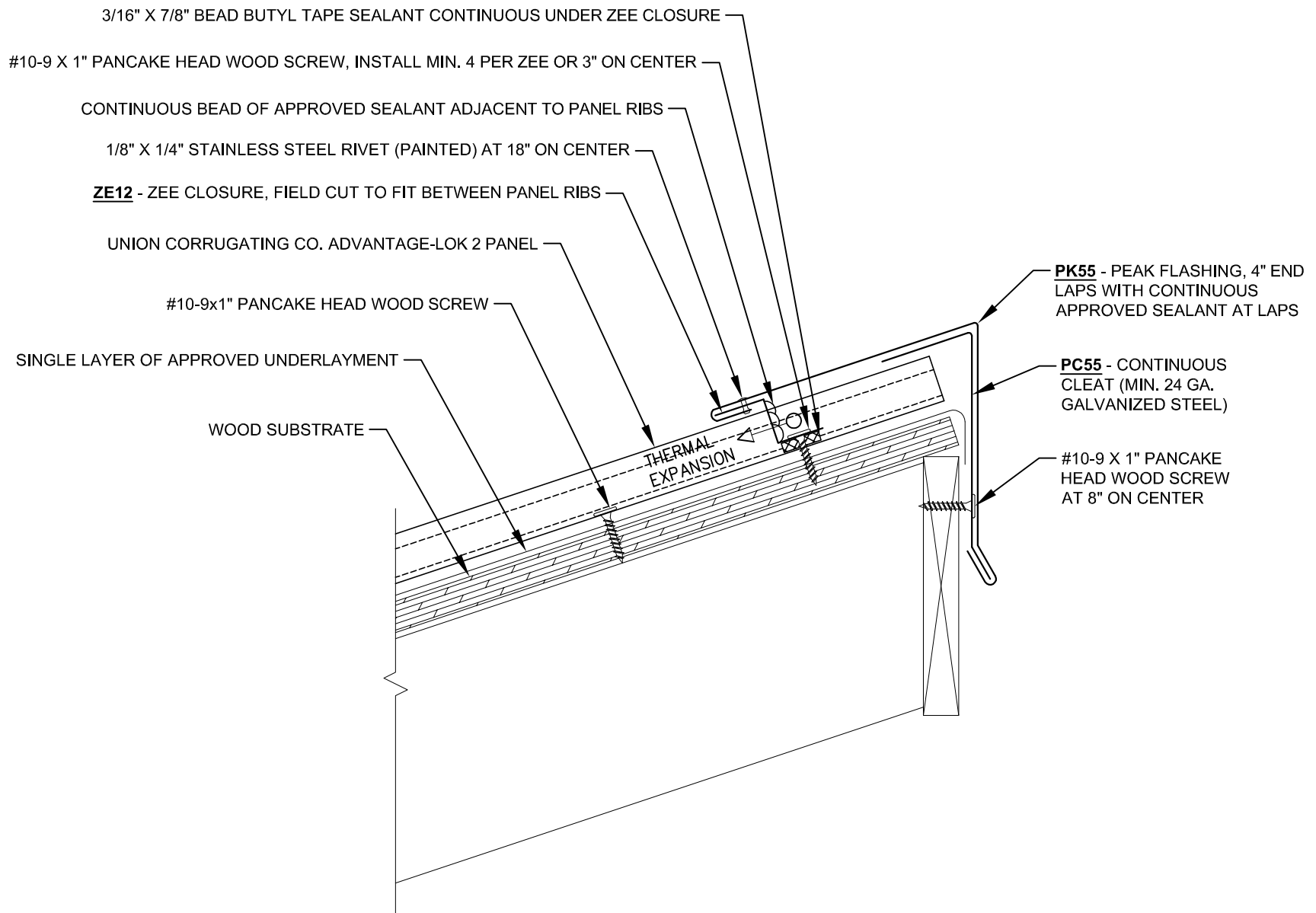
Detail No.:

ADLOK2-4.91

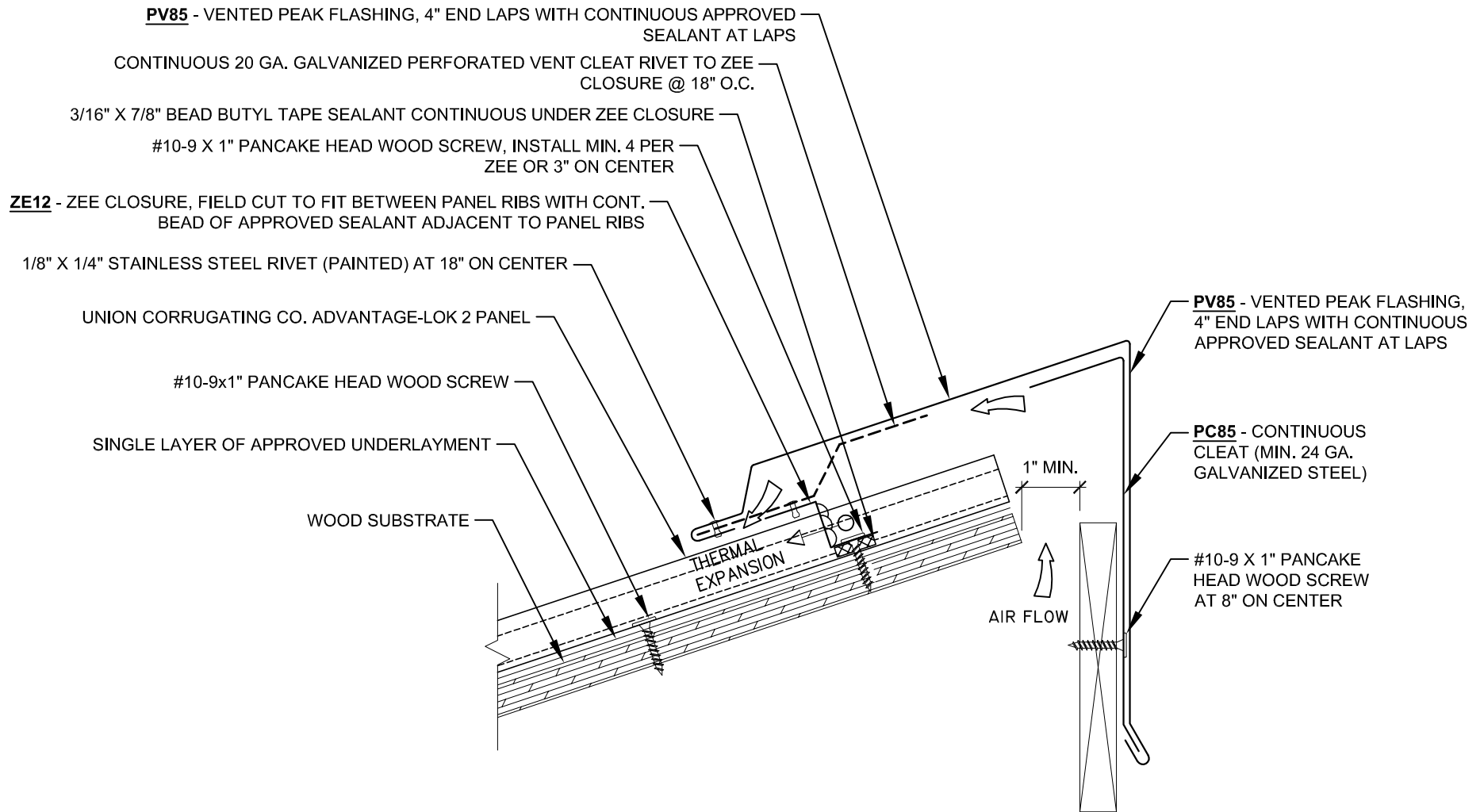
Substrate:

Project Name:

Location:



Description:	PEAK DETAIL		Detail No.:
	WOOD SUBSTRATE		ADLOK2-WS-5.10
Substrate:	Project Name:		Location:



Description:

VENTED PEAK DETAIL

Detail No.:

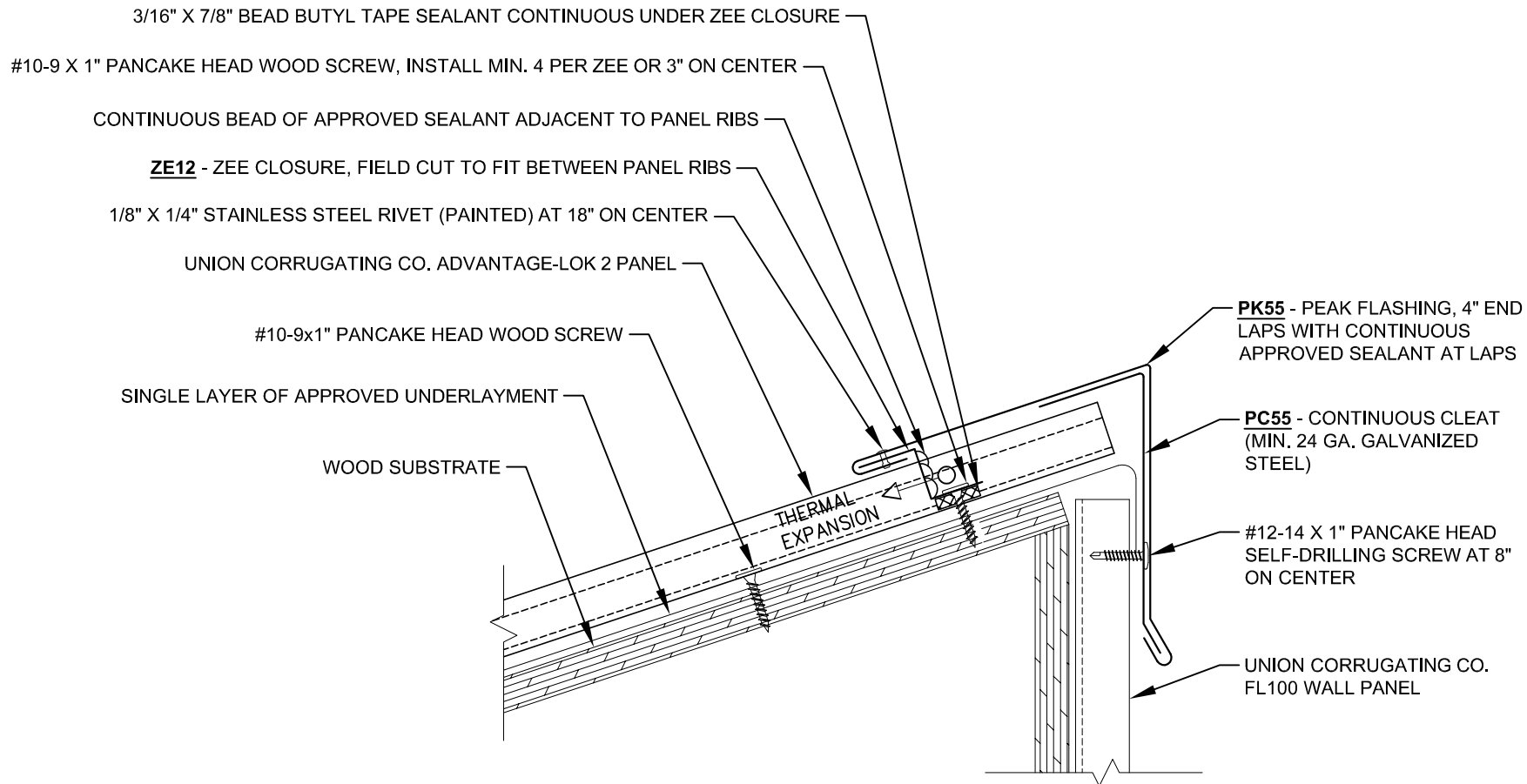
ADLOK2-WS-5.20

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

PEAK DETAIL - WITH WALL PANELS

Detail No.:

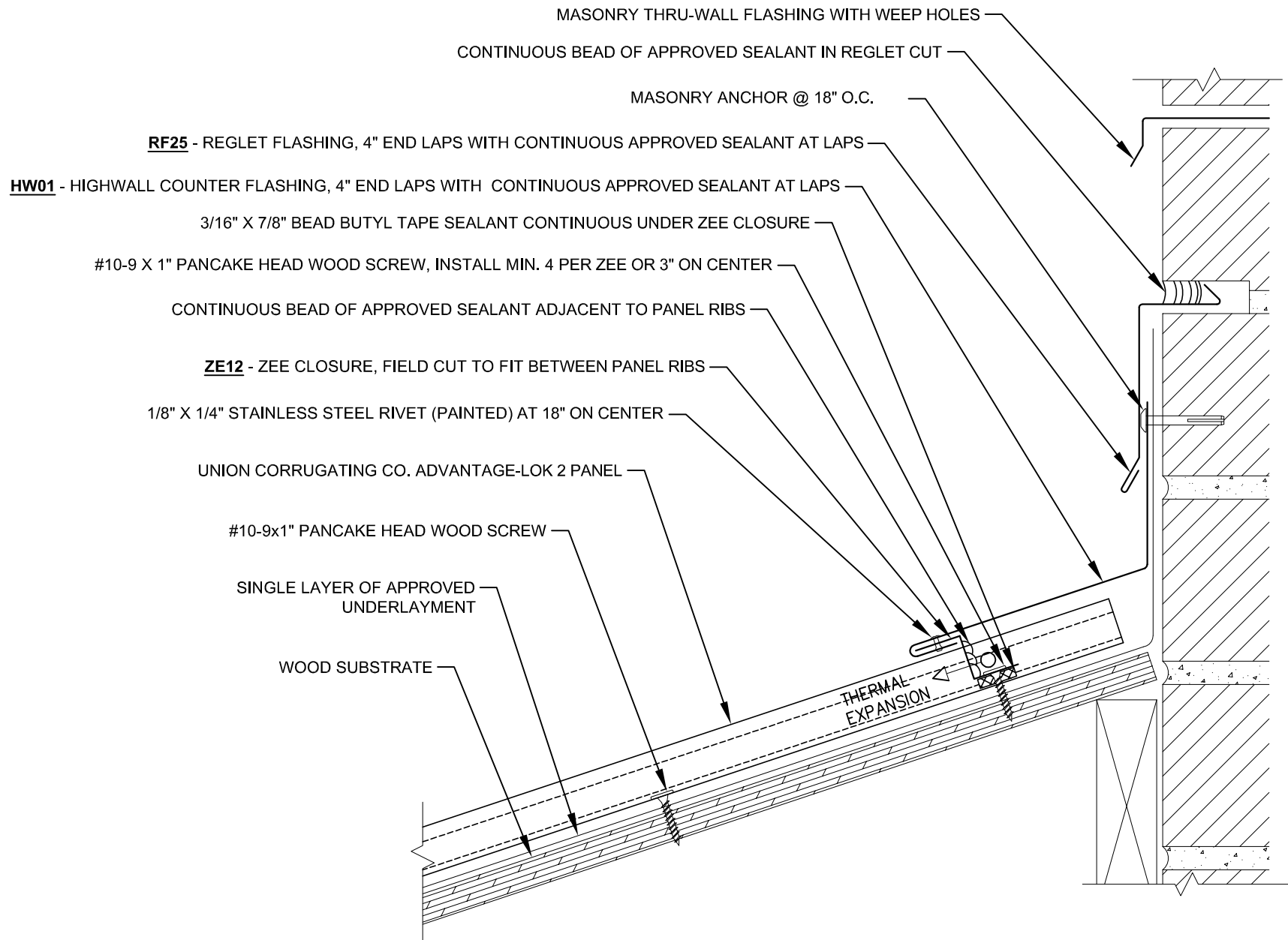
ADLOK2-WS-5.40

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

HIGHWALL DETAIL - REGLET

Detail No.:

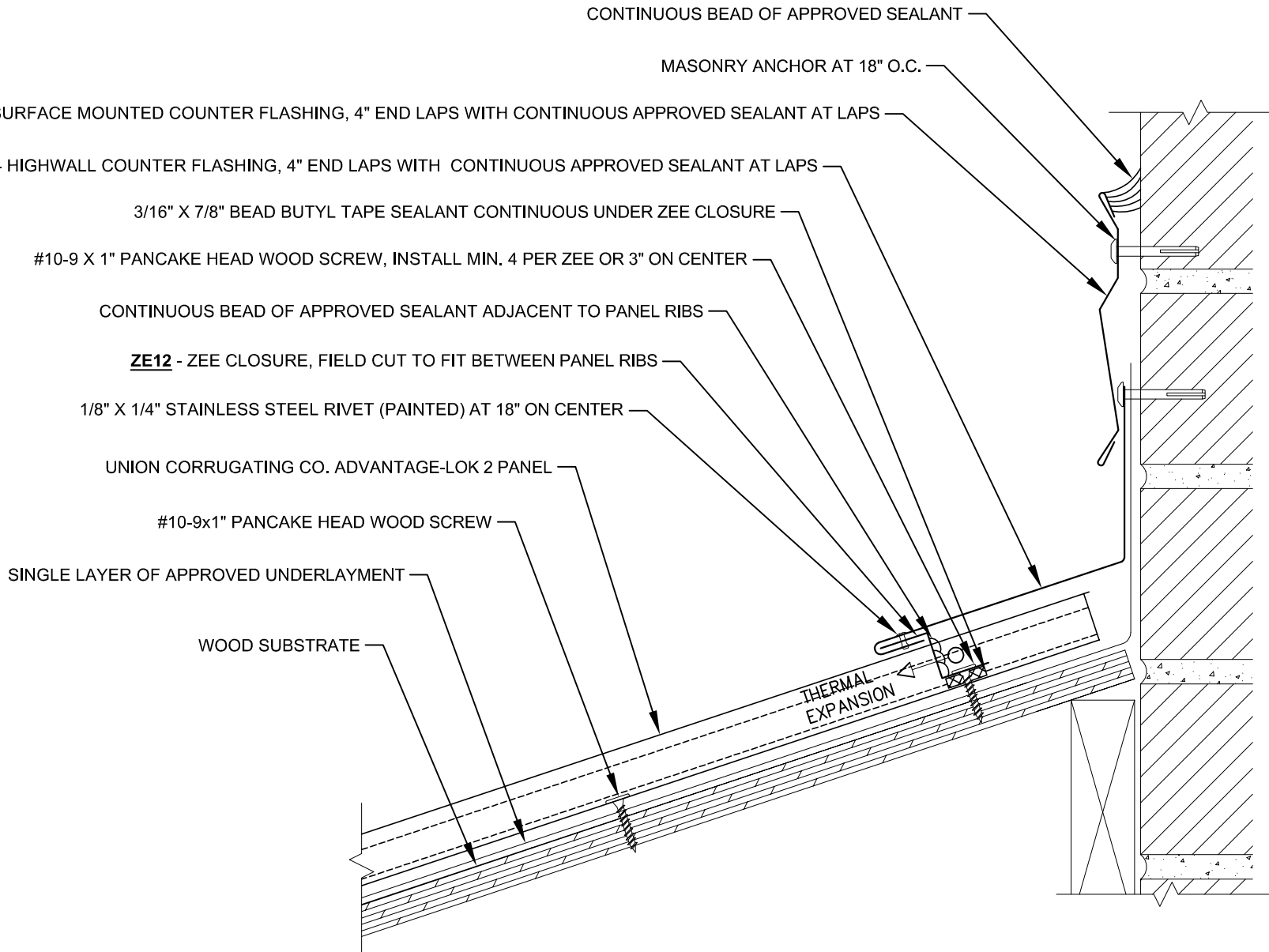
ADLOK2-WS-6.10

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



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

HW06 - 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

ZE12 - 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. ADVANTAGE-LOK 2 PANEL

#10-9x1" PANCAKE HEAD WOOD SCREW

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

THERMAL EXPANSION



Description:

HIGHWALL DETAIL - SURFACE MOUNT

Detail No.:

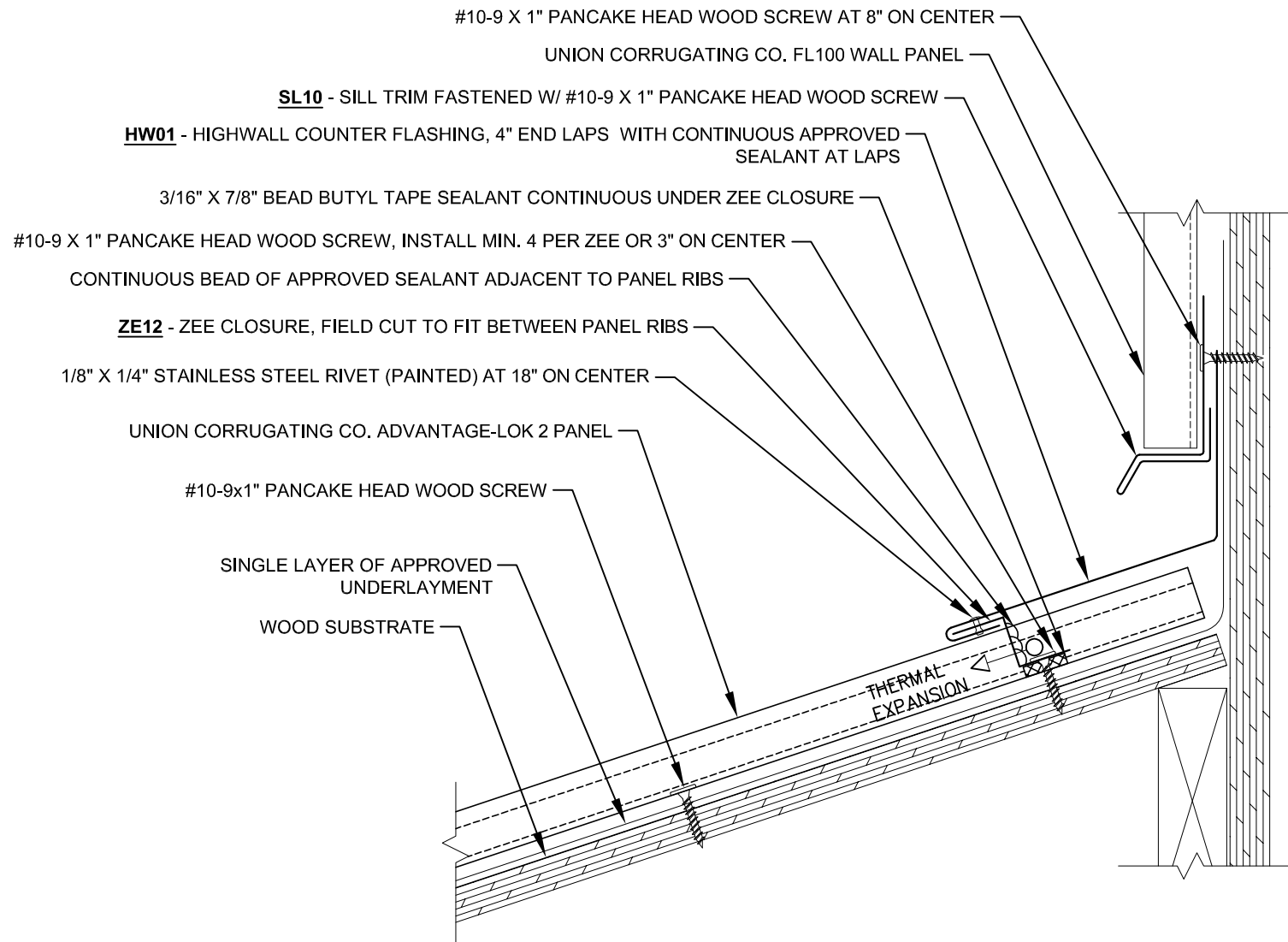
ADLOK2-WS-6.12

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

HIGHWALL DETAIL - WALL PANEL W/ SILL

Detail No.:

ADLOK2-WS-6.14

Substrate:

WOOD SUBSTRATE

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.

HW01 - 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

ZE12 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

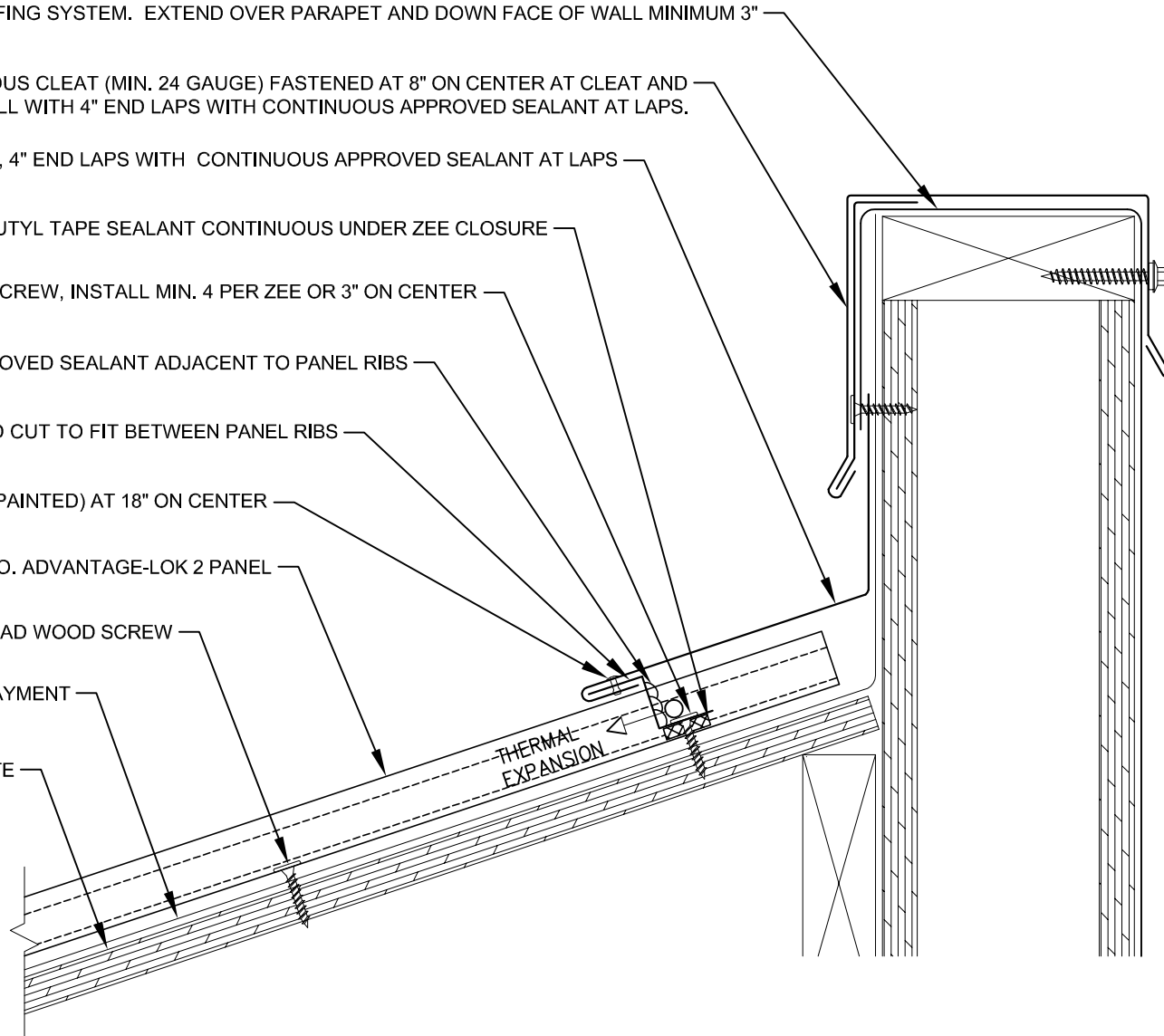
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

UNION CORRUGATING CO. ADVANTAGE-LOK 2 PANEL

#10-9x1" PANCAKE HEAD WOOD SCREW

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE



Description:

HIGHWALL DETAIL - PARAPET COPING

Detail No.:

ADLOK2-WS-6.20

Substrate:

WOOD SUBSTRATE

Project Name:

Location:

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

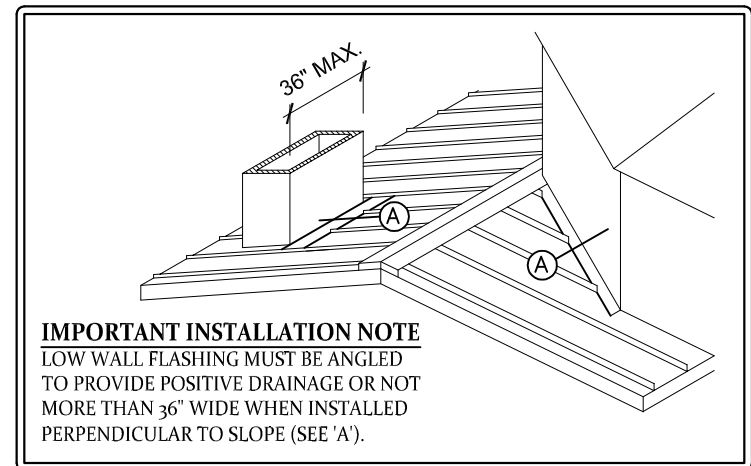
LW01 - LOW WALL FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

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

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

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

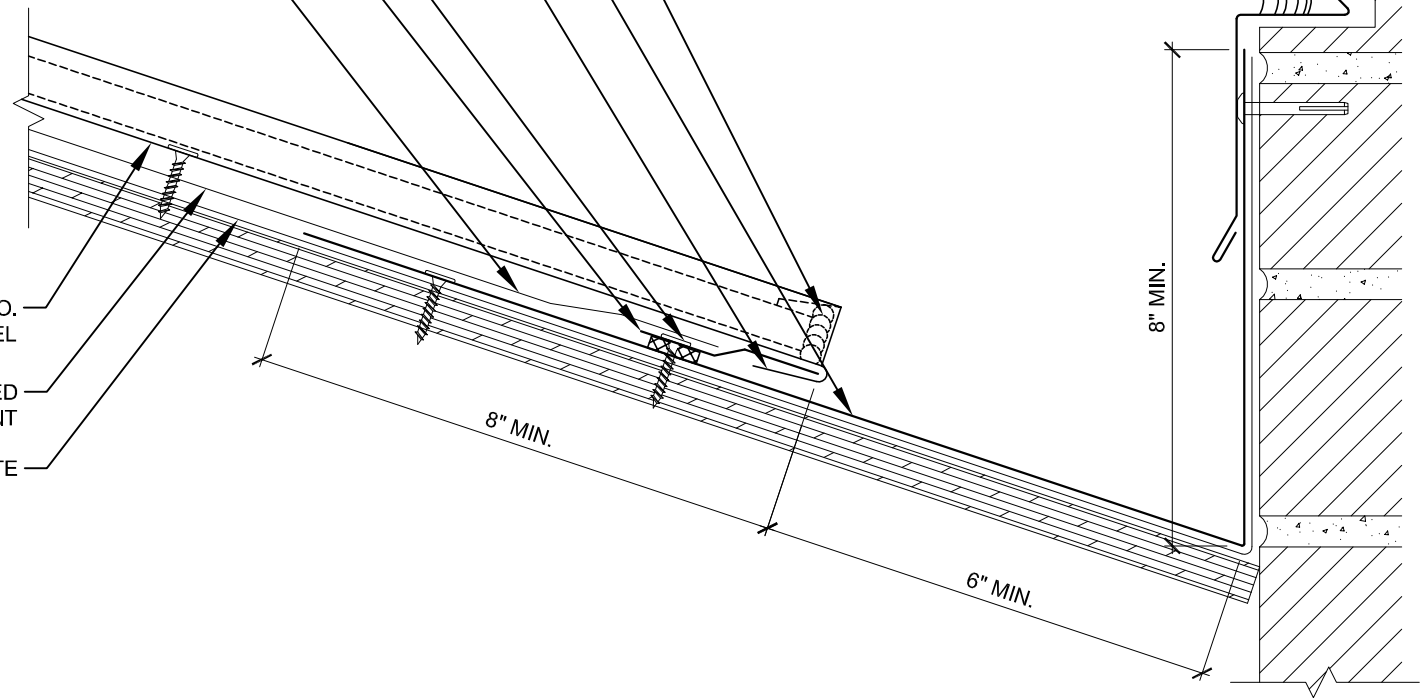
STRIP IN LOW WALL FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT



UNION CORRUGATING CO. ADVANTAGE-LOK 2 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE



Description:

VALLEY WALL DETAIL

Detail No.:

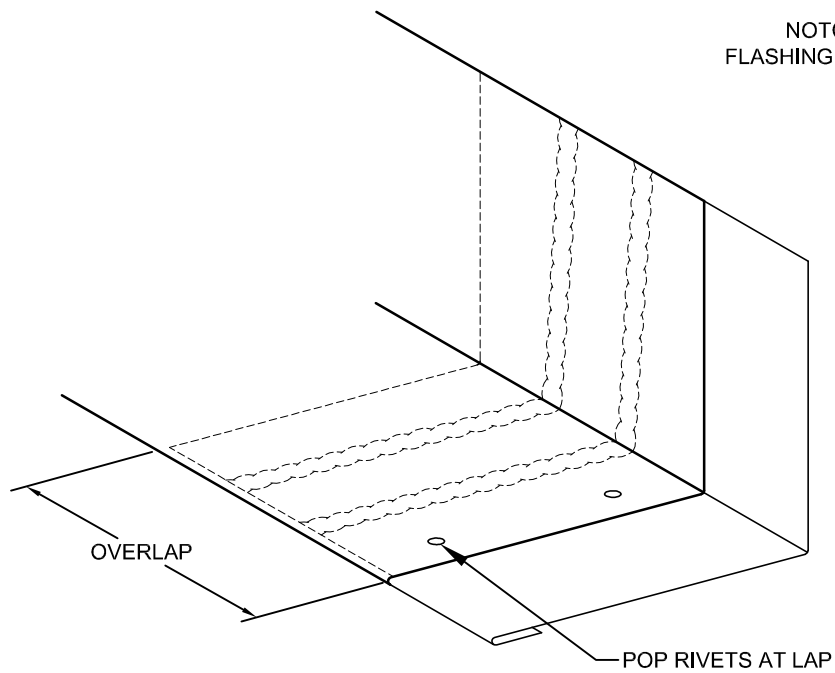
ADLOK2-WS-6.30

Substrate:

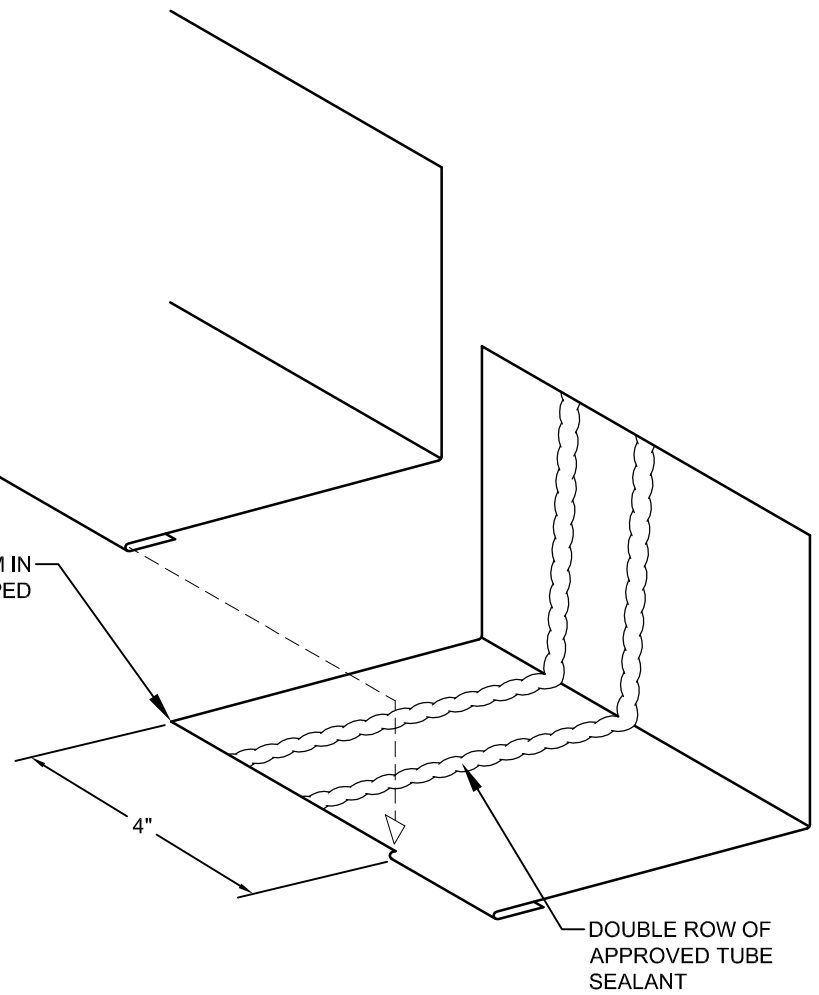
WOOD SUBSTRATE

Project Name:

Location:



NOTCH OUT HEM IN FLASHING TO BE LAPPED



Description:

HIGHWALL LAP DETAIL

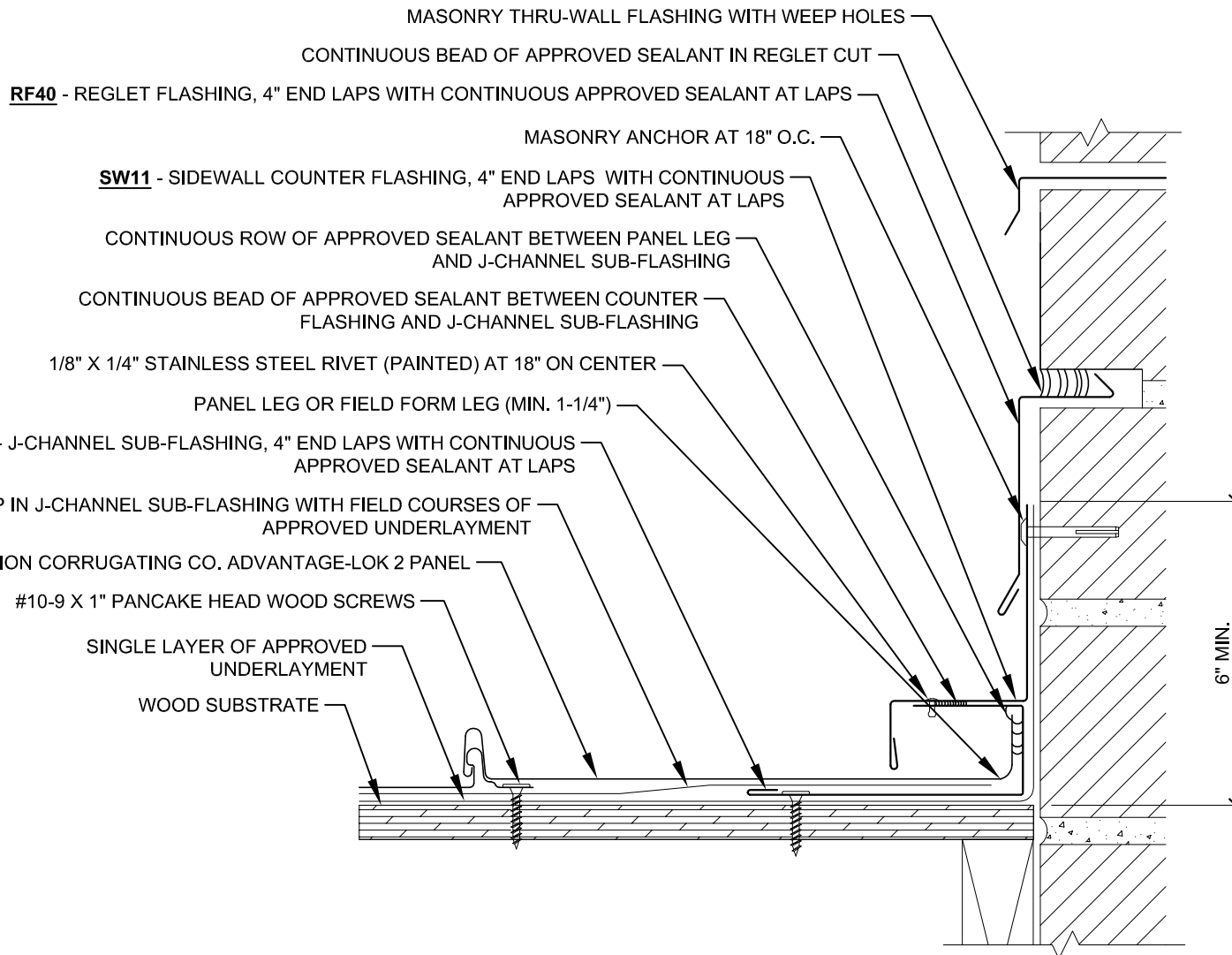
Detail No.:

ADLOK2-6.90

Substrate:

Project Name:

Location:



Description:

SIDEWALL DETAIL - REGLET

Detail No.:

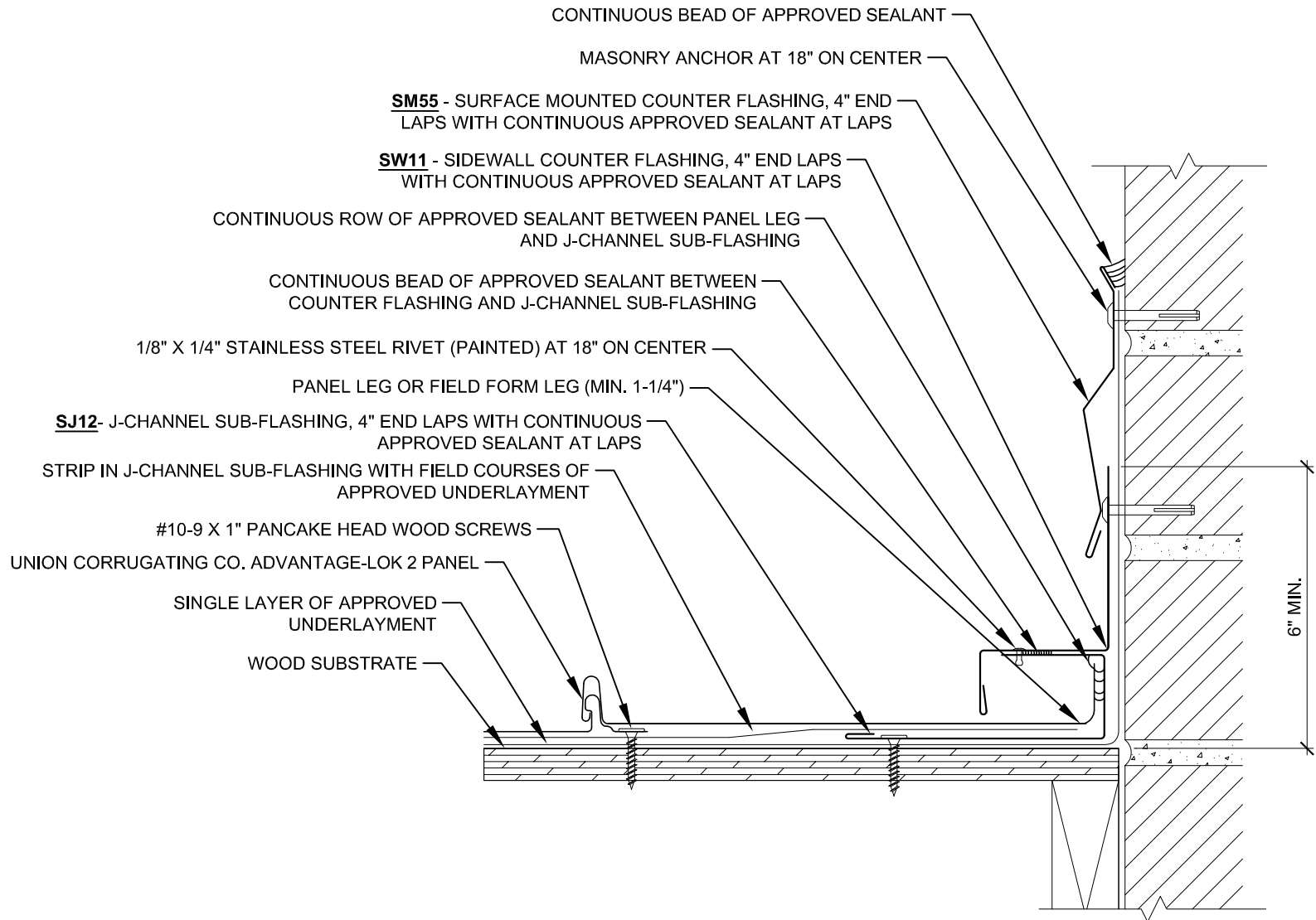
ADLOK2-WS-7.21

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

SIDEWALL DETAIL - SURFACE MOUNT

Detail No.:

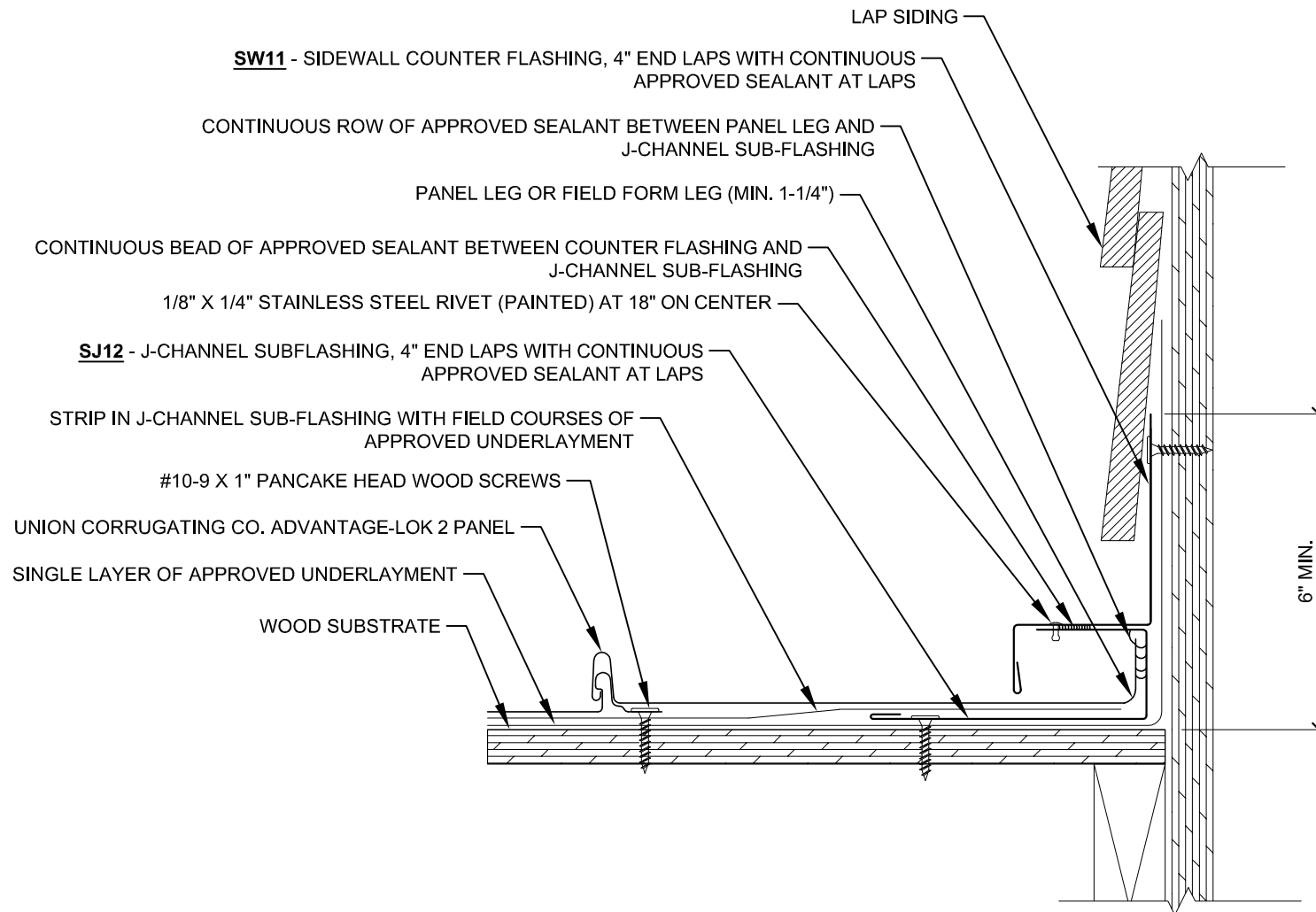
ADLOK2-WS-7.22

Substrate:

WOOD SUBSTRATE

Project Name:

Location:

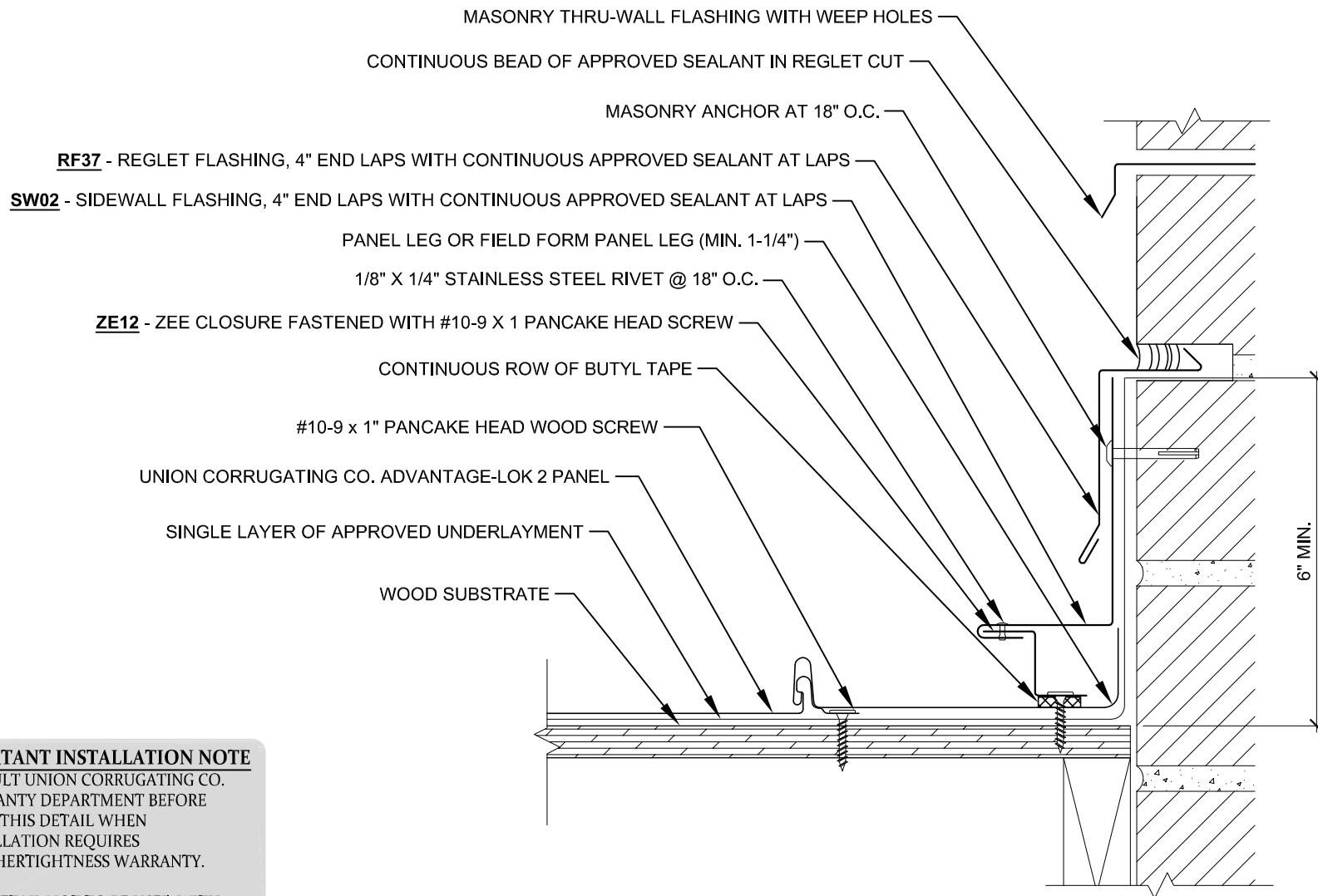


Description: **SIDEWALL DETAIL - WOOD FRAMING & SIDING**

Detail No.: **ADLOK2-WS-7.23**

Substrate: **WOOD SUBSTRATE**

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 - REGLET

Detail No.:

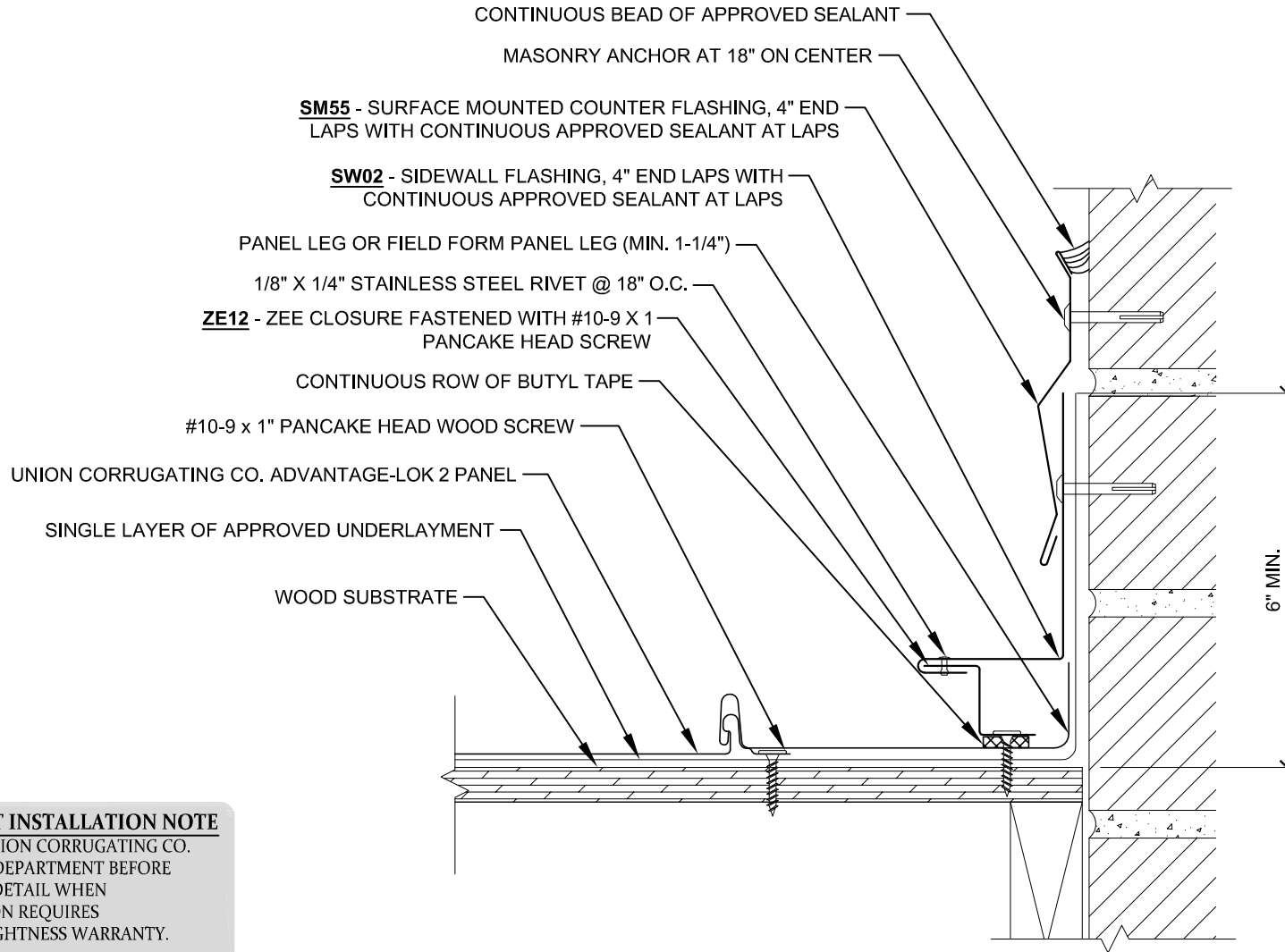
ADLOK2-WS-7.31

Substrate:

WOOD SUBSTRATE

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

Detail No.:

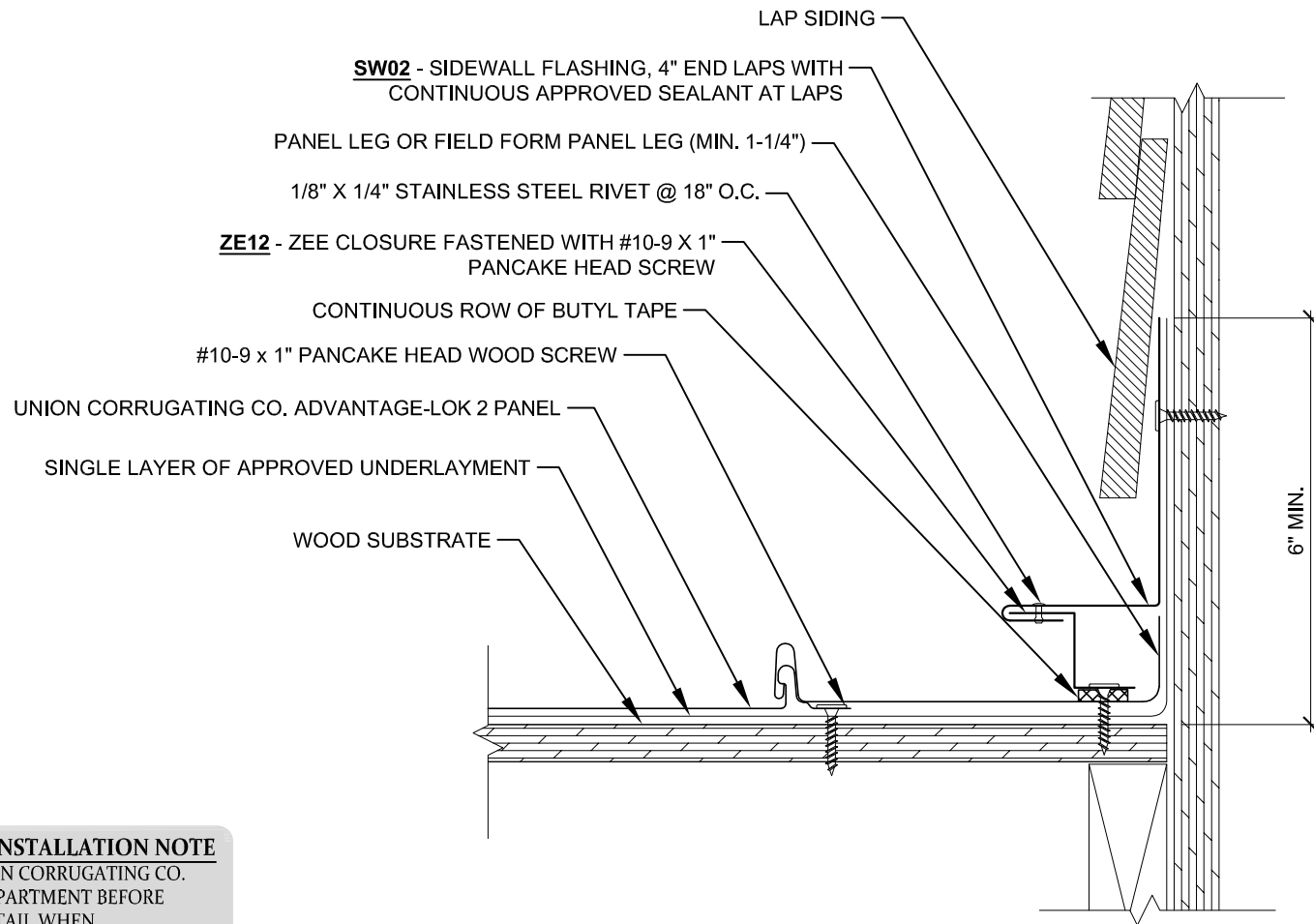
ADLOK2-WS-7.32

Substrate:

WOOD SUBSTRATE

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 - WOOD FRAMING & SIDING

Substrate:

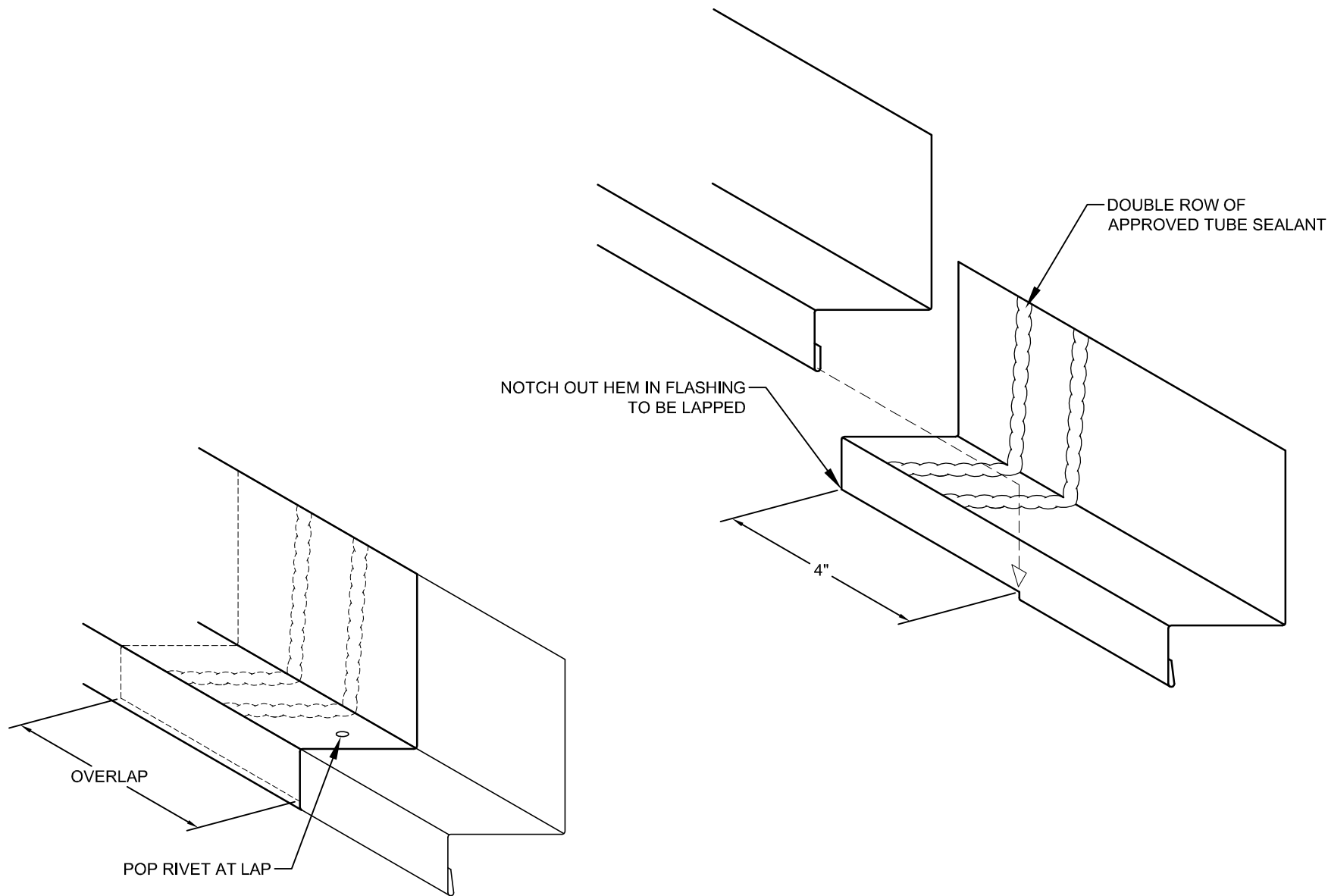
WOOD SUBSTRATE

Project Name:

Location:

Detail No.:

ADLOK2-WS-7.33



Description:

SIDEWALL LAP DETAIL

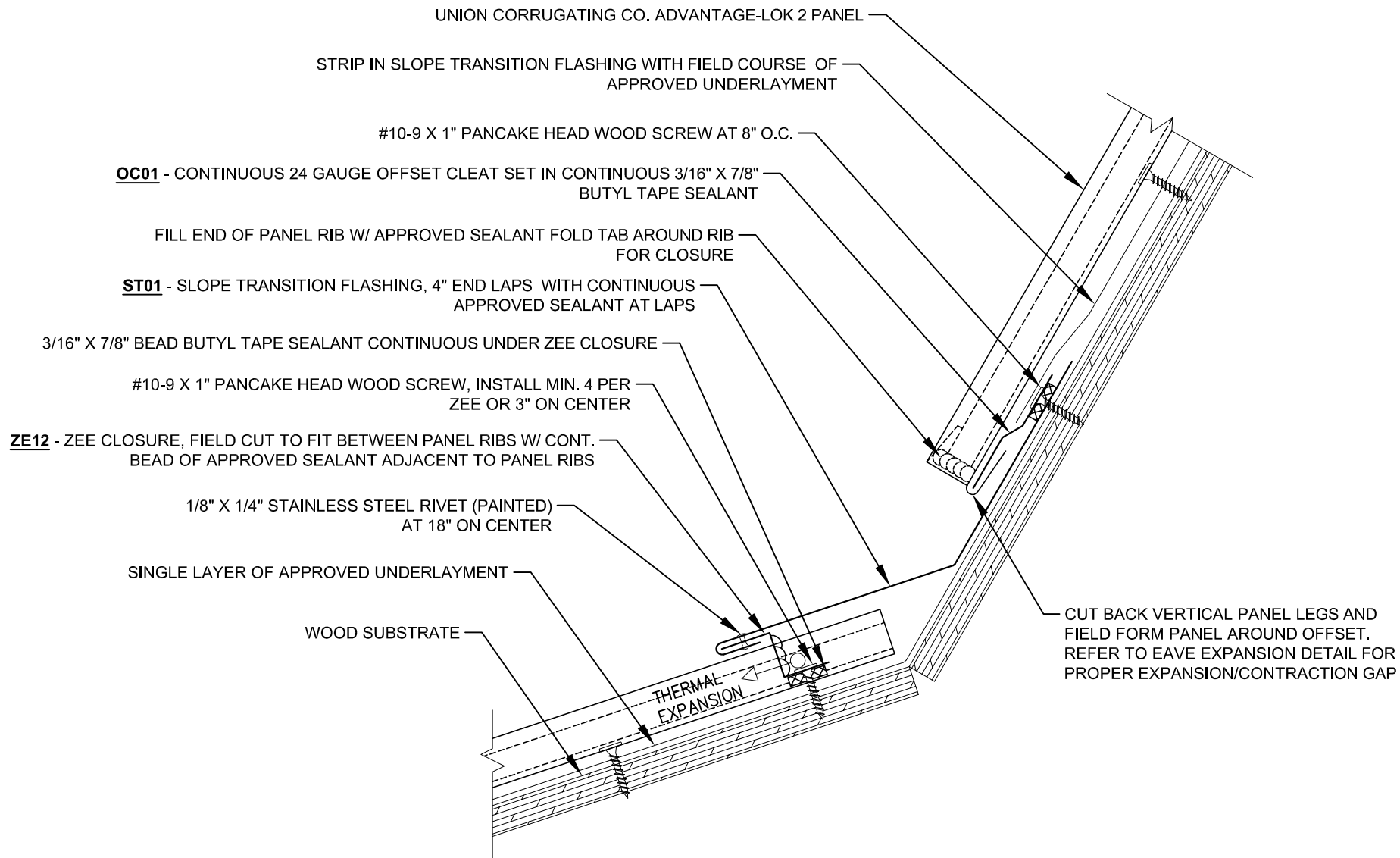
Detail No.:

ADLOK2-7.90

Substrate:

Project Name:

Location:



Description:

SLOPE TRANSITION DETAIL

Detail No.:

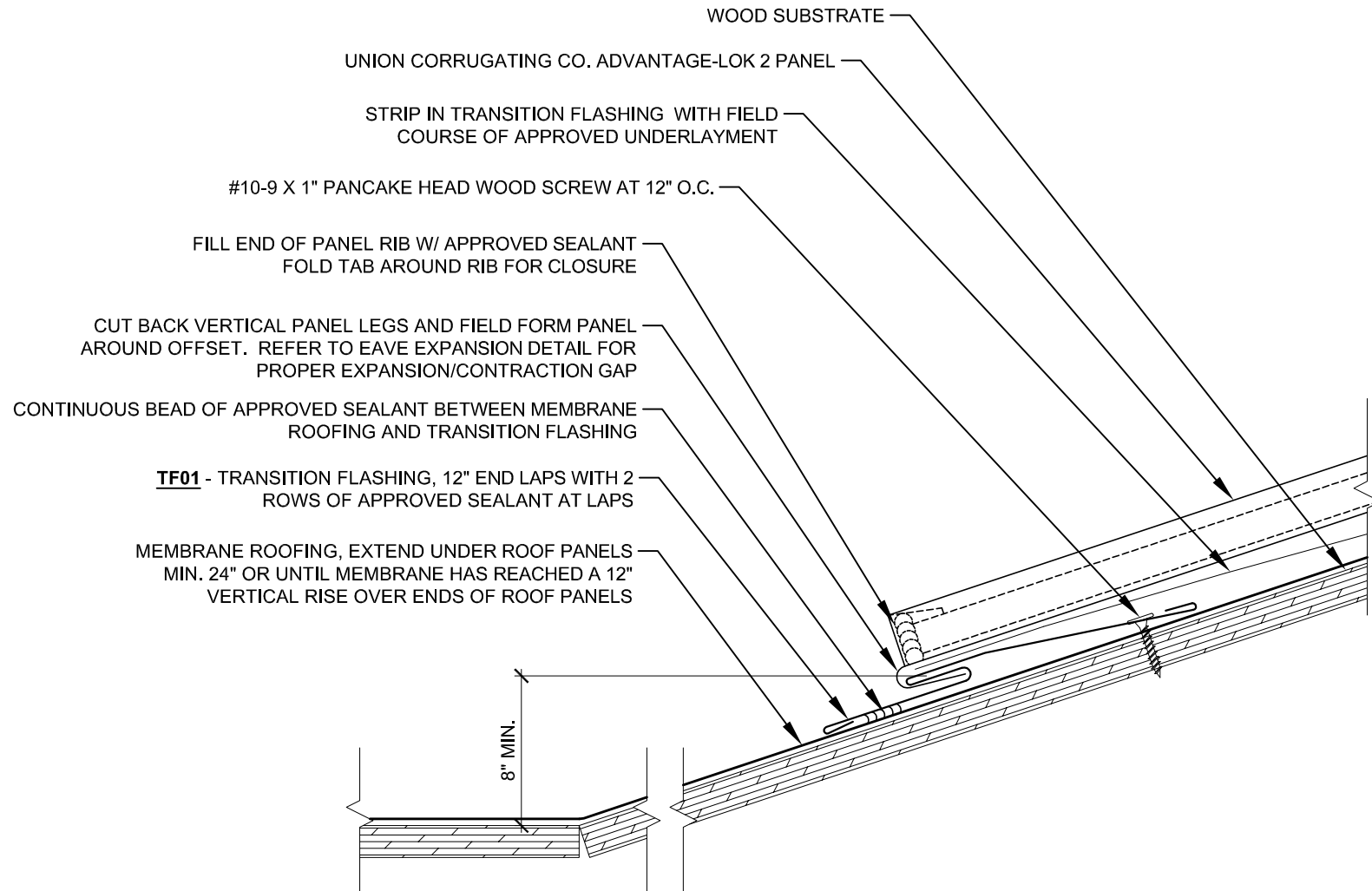
ADLOK2-WS-8.10

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

TRANSITION AT MEMBRANE ROOFING

Detail No.:

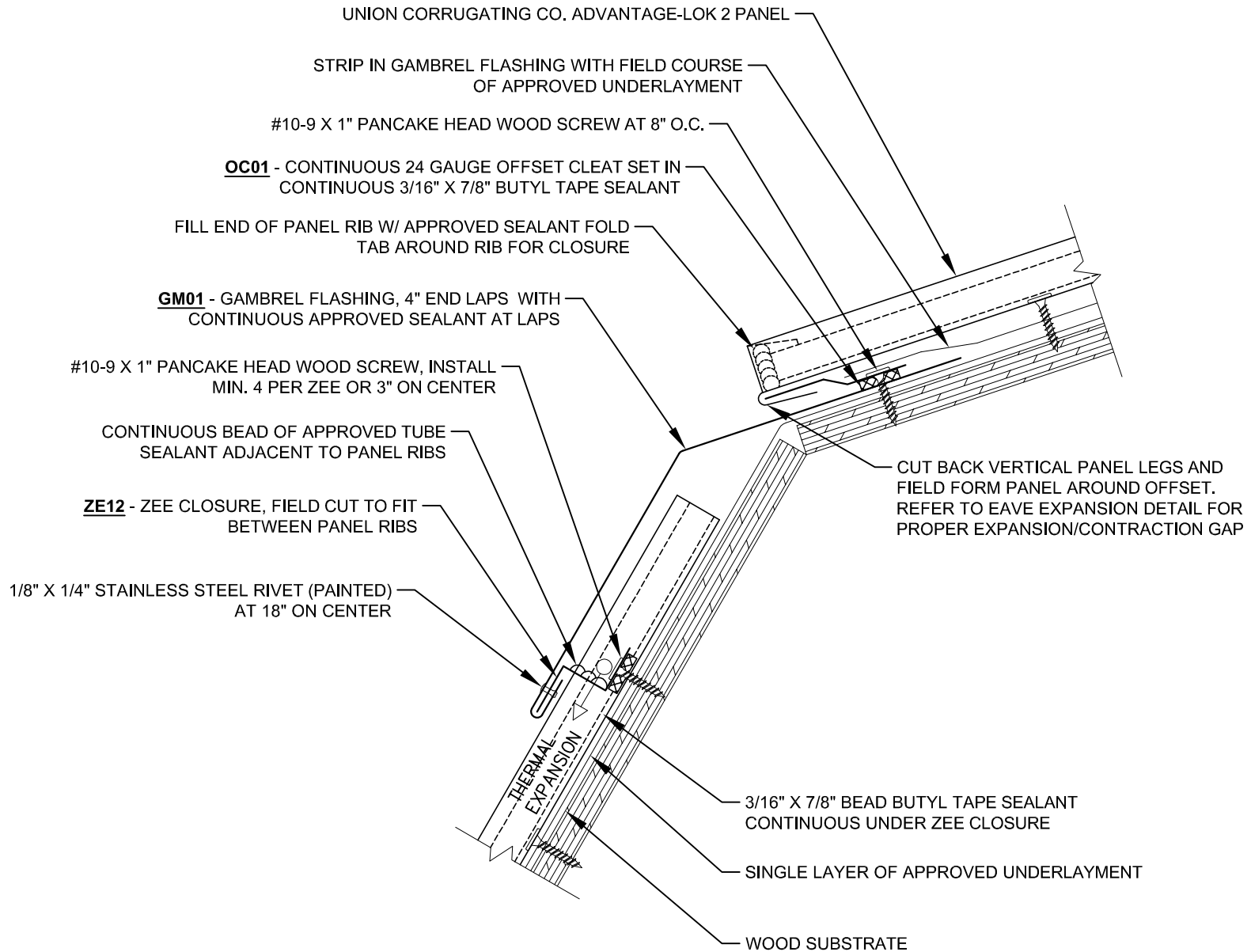
ADLOK2-WS-8.20

Substrate:

WOOD SUBSTRATE

Project Name:

Location:



Description:

GAMBREL DETAIL

Detail No.:

ADLOK2-WS-8.30

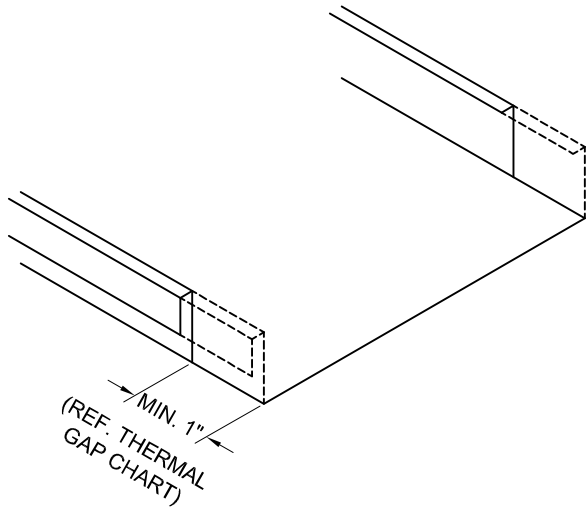
Substrate:

WOOD SUBSTRATE

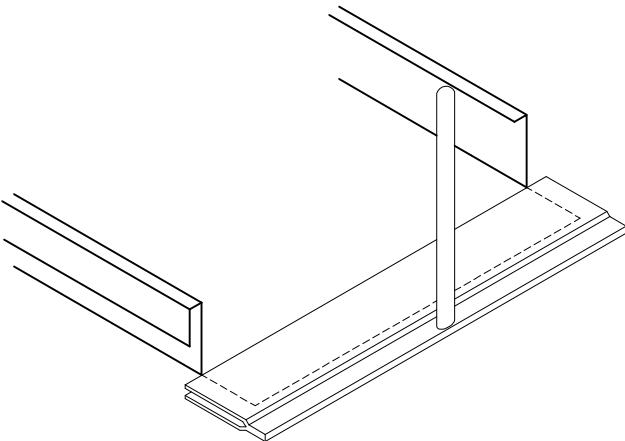
Project Name:

Location:

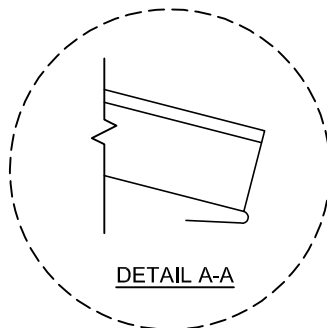
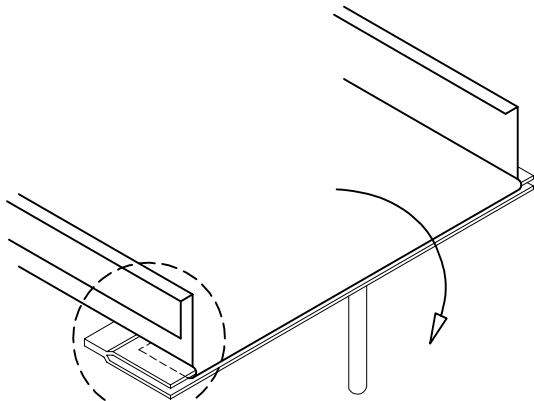
STEP 1: FIELD NOTCH RIBS AND REMOVE



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



STEP 3: BEND TO FORM OPEN HEM



SEE DETAIL A-A



Description:

FIELD HEMMING PANEL END

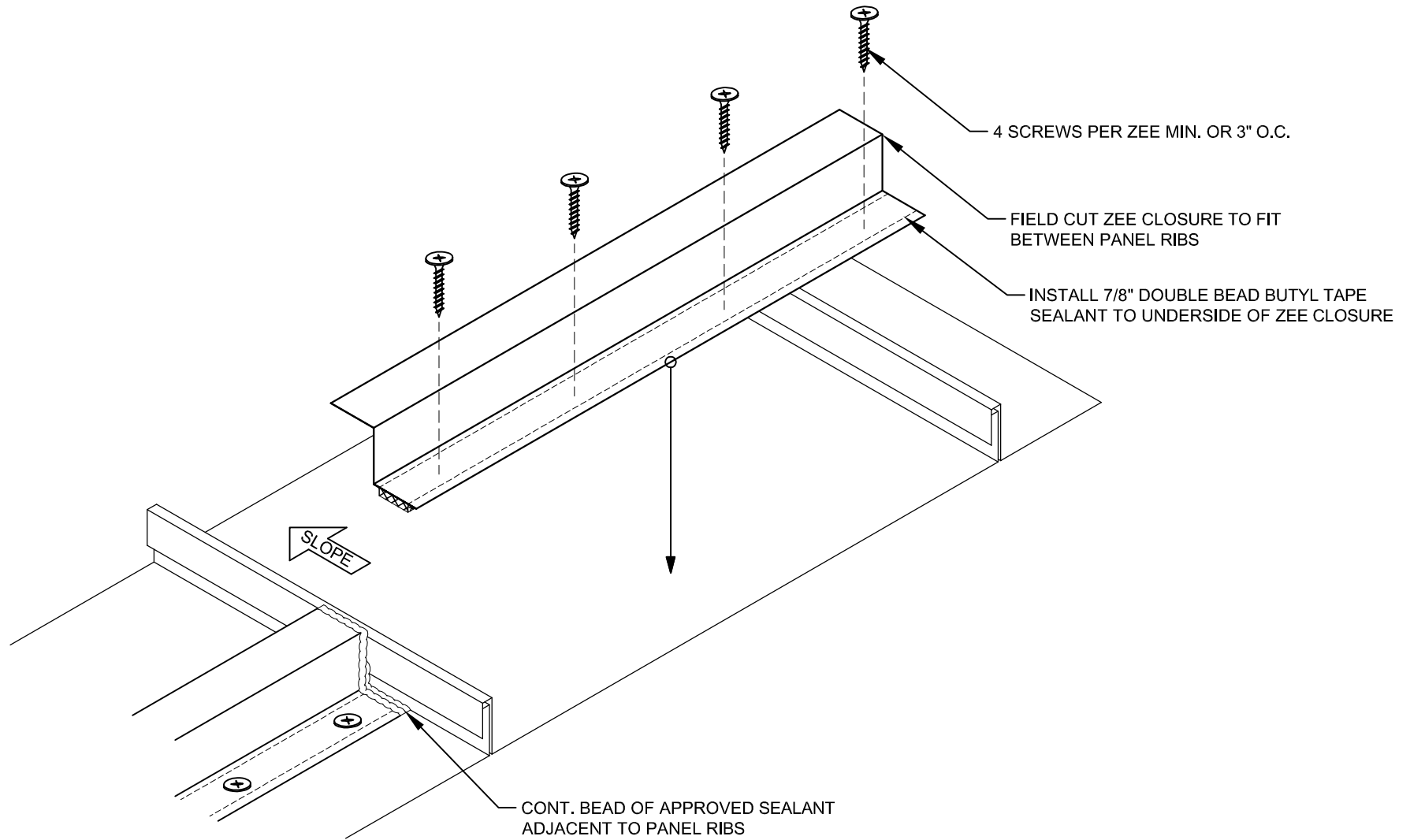
Detail No.:

ADLOK2-10.10

Substrate:

Project Name:

Location:



Description:

ZEE CLOSURE INSTALLATION

Detail No.:

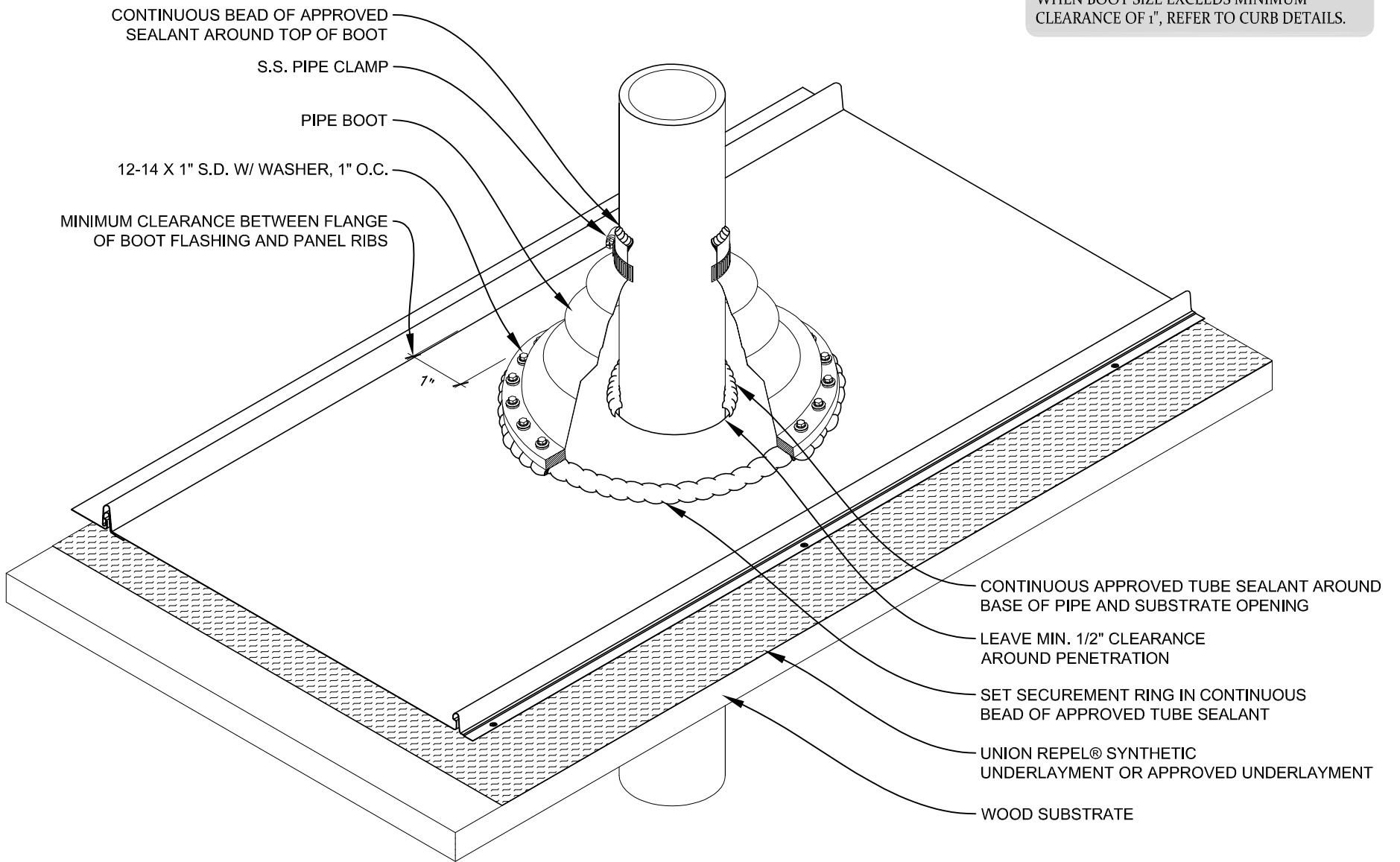
ADLOK2-10.20

Substrate:

Project Name:

Location:

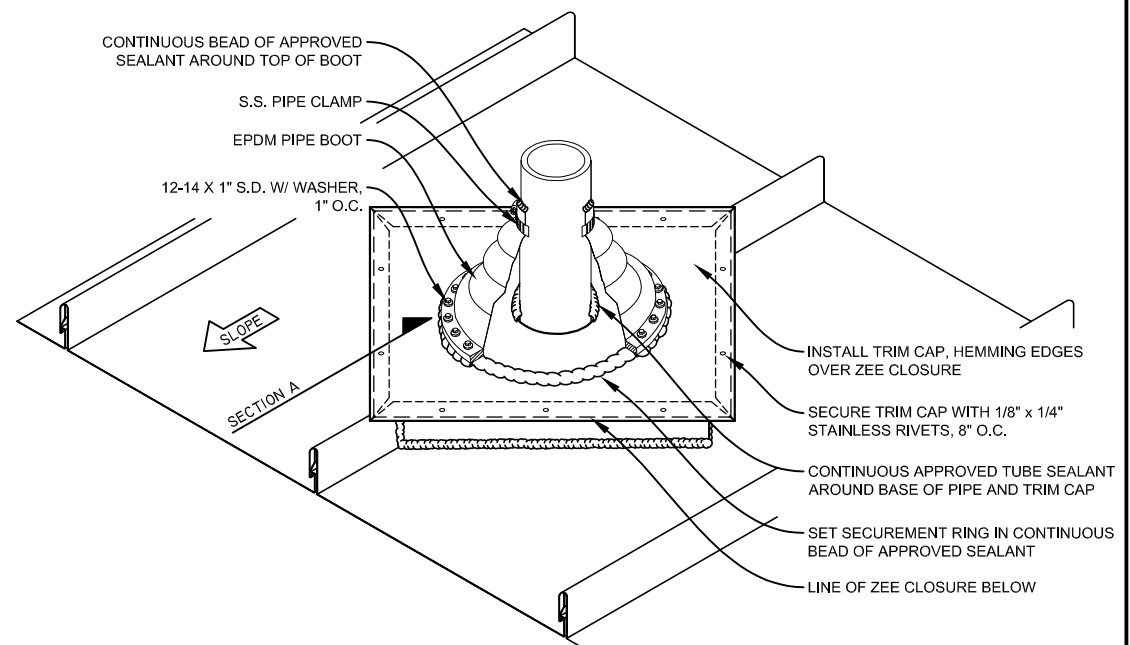
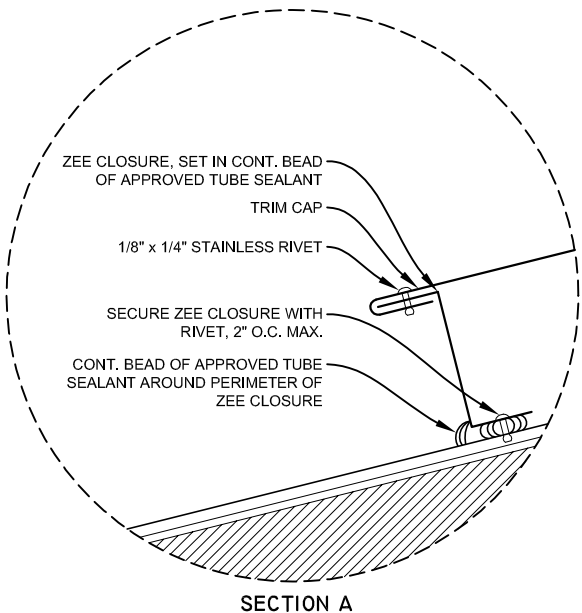
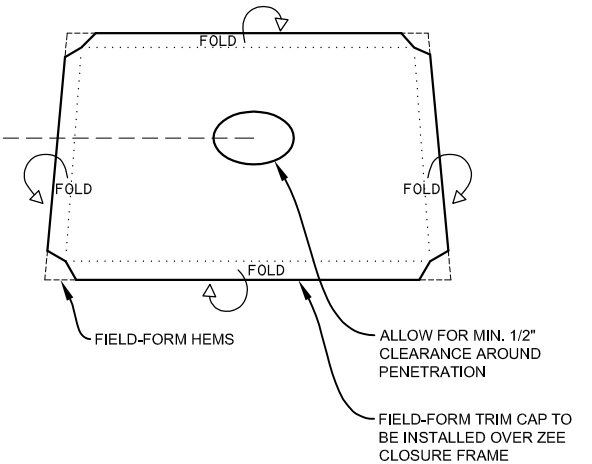
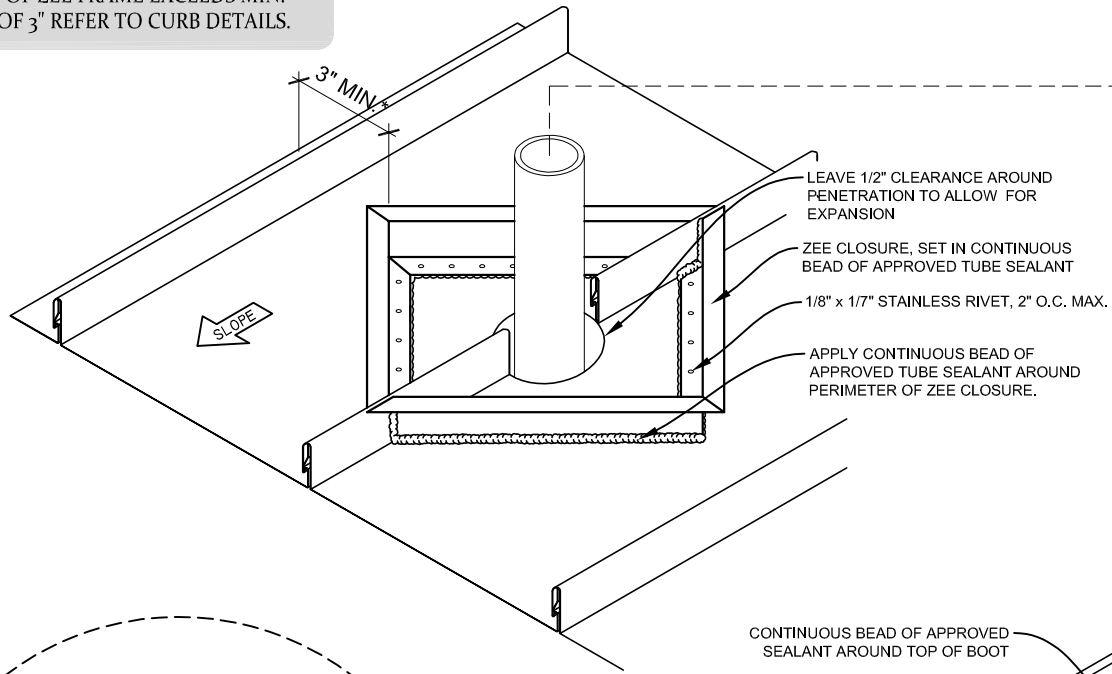
IMPORTANT INSTALLATION NOTE
 WHEN BOOT SIZE EXCEEDS MINIMUM
 CLEARANCE OF 1", REFER TO CURB DETAILS.



Description:	PIPE PENETRATION		Detail No.: ADLOK2-WS-10.30
	Substrate:	WOOD SUBSTRATE	

IMPORTANT INSTALLATION NOTE

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



Description:

PIPE PENETRATION THROUGH PANEL RIB

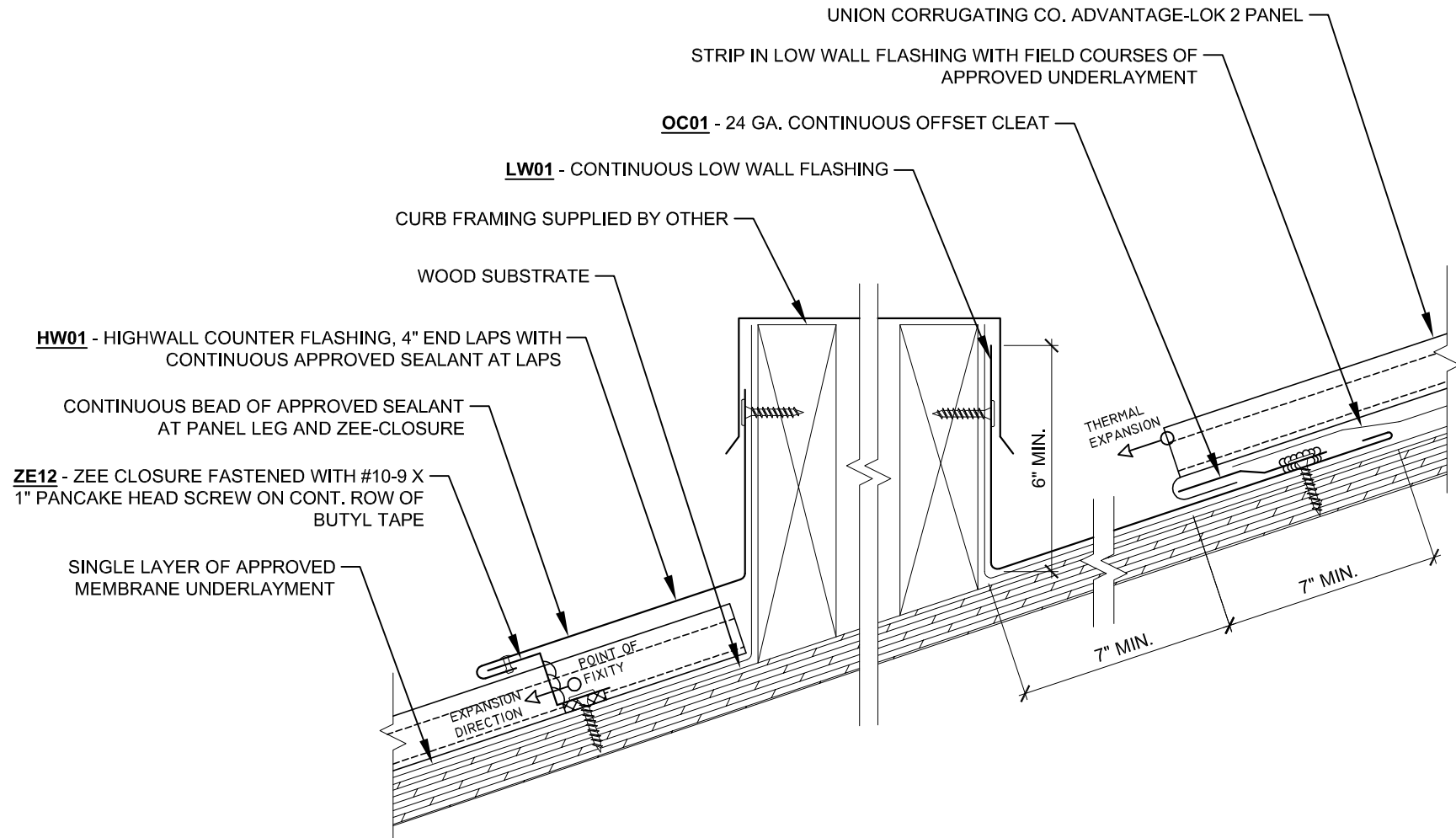
Detail No.:

ADLOK2-10.31

Substrate:

Project Name:

Location:



Description: **LOW WALL & HIGHWALL @ SQUARE PENETRATION**

Detail No.: **ADLOK2-WS-10.40**

Substrate: **WOOD SUBSTRATE**

Project Name:
Location:

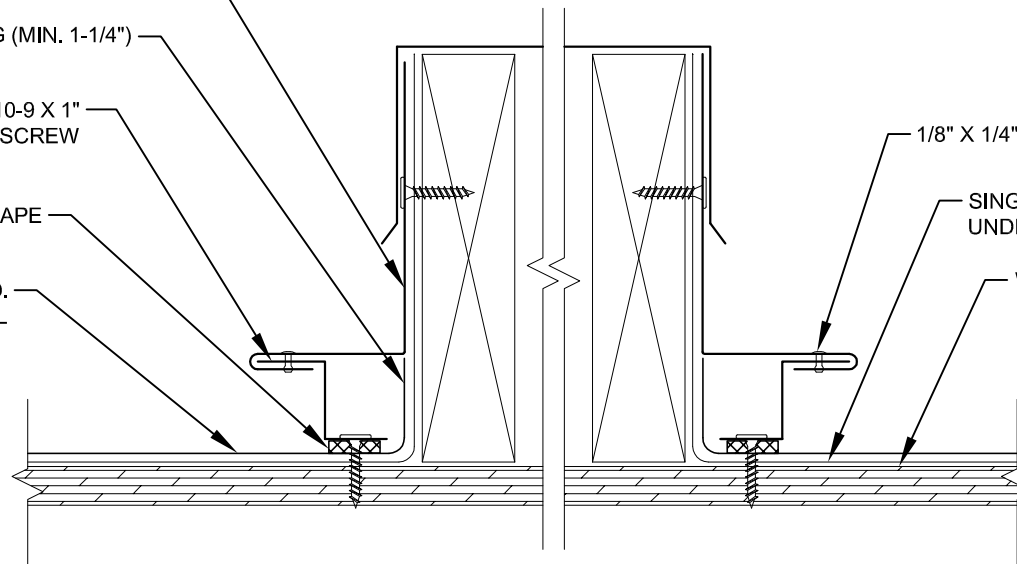
SW02 - SIDEWALL COUNTER FLASHING, 4" END LAPS
WITH CONTINUOUS APPROVED SEALANT AT LAPS

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

ZE12 - ZEE CLOSURE FASTENED WITH #10-9 X 1"
PANCAKE HEAD SCREW

CONTINUOUS ROW OF BUTYL TAPE

UNION CORRUGATING CO.
ADVANTAGE-LOK 2 PANEL



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

SINGLE LAYER OF APPROVED
UNDERLAYMENT

WOOD SUBSTRATE



Description:

SIDEWALL @ SQUARE PENETRATION

Detail No.:

ADLOK2-WS-10.41

Substrate:

WOOD SUBSTRATE

Project Name:

Location: