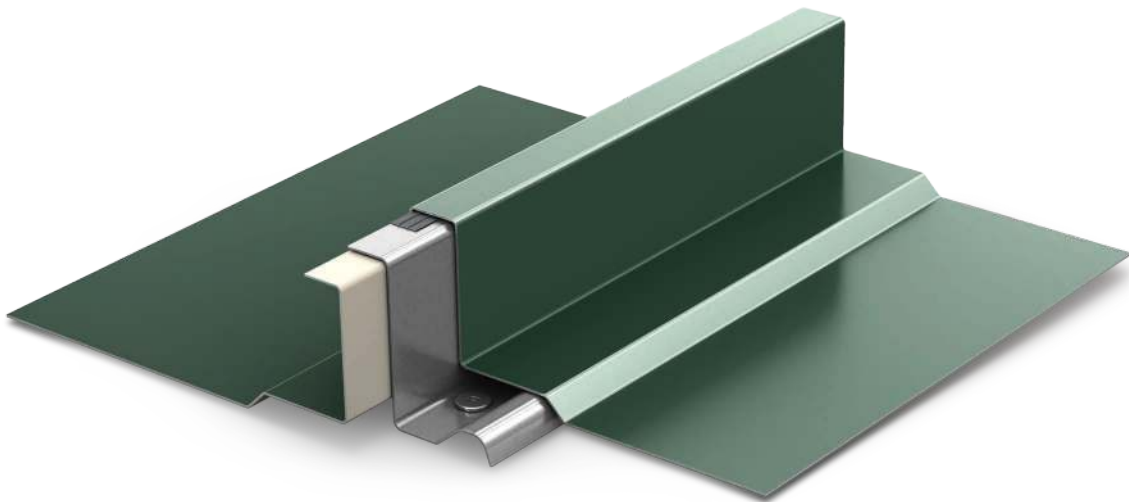


# ZEE-LOCK PANEL INSTALLATION DETAILS

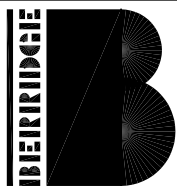


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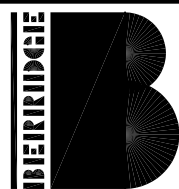
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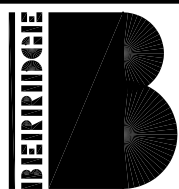
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THE DETAILS CONTAINED IN THE FOLLOWING PAGES ARE MERELY RECOMMENDATIONS AS TO HOW BERRIDGE MANUFACTURING MATERIALS SHOULD BE INSTALLED. THEY MAY REQUIRE ADAPTATIONS OR MODIFICATIONS FOR A SPECIFIC PROJECT AS CONDITIONS VARY IN BOTH BUILDING DESIGN AND LOCAL WETHER PECULIARITIES.

BERRIDGE MANUFACTURING COMPANY SHOULD BE HELD HARMLESS FROM ANY AND ALL CLAIMS ARISING FROM LACK OF WATERTIGHTNESS AS A RESULT OF FOLLOWING THESE RECOMMENDED DETAILS. ENSURING WATERTIGHTNESS ON ANY GIVEN PROJECT IS THE FUNCTION OF THE INSTALLER. THE ARCHITECT/GENERAL CONTRACTOR/INSTALLER MUST ACCEPT THE RESPONSIBILITY TO ADAPT THESE DETAILS TO MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATERTIGHTNESS.

THE INSTALLER CAN VIRTUALLY ASSURE WATERTIGHTNESS IF THESE FLASHINGS DETAILS HAVE BEEN PROPERLY ADAPTED, ADEQUATE LAPS HAVE BEEN PROVIDED, CORRECT TYPE OF SEALANT USED, ALL JOINTS ADEQUATELY CAULKED, AND PROFESSIONAL WORKMANSHIP EMPLOYED.



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## INTRODUCTION TO TYPICAL DETAILS

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- A. BERRIDGE ZEE-LOCK PANEL: THE ZEE-LOCK PANEL IS FACTORY FABRICATED AND/OR FIELD FABRICATED (USING THE BERRIDGE SP-21 PORTABLE ROLL FORMER) TO A CONSTANT PAN WIDTH OF 16" AND A CONSTANT SEAM HEIGHT OF 2".

THE BERRIDGE ZEE-LOCK SIDE LAPS ARE MECHANICALLY SEAMED IN THE FIELD WITH THE BERRIDGE POWER DRIVEN SEAMER MACHINE.

- B. MINIMUM SLOPE: THE ZEE-LOCK PANEL IS RECOMMENDED FOR ROOF SLOPES OF 1:12 AND GREATER. CONSULT BERRIDGE'S TECHNICAL DEPARTMENT FOR ANY SLOPE REQUIREMENTS LESS THAN 1:12.

A DOUBLE LAYER #30 FELT UNDERLAYMENT OR 1 LAYER OF BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT COVERING THE ENTIRE SUBSTRATE IS RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3:12 OR LESS.

- C. MATERIAL STORAGE: CAUTION MUST BE EXERCISED IN STORAGE OF MATERIAL PRIOR TO INSTALLATION. KEEP ALL BERRIDGE PREFINISHED MATERIAL IN A DRY LOCATION WITH ADEQUATE VENTILATION AND OUT OF DIRECT SUNLIGHT.

EXPOSURE TO DIRECT SUNLIGHT AND/OR MOISTURE MAY CAUSE THE FACTORY APPLIED STRIPPABLE PLASTIC FILM TO ADHERE TO THE METAL PERMANENTLY AND DISCOLOR THE FINISH. IF THIS SHOULD OCCUR THE PAINT WARRANTY WILL BE VOID.

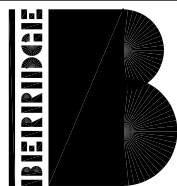
- D. STRIPPABLE FILM: THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS AND FLAT SHEETS MUST BE REMOVED PRIOR TO INSTALLATION

- E. SOLID SHEATHING REQUIREMENTS: BERRIDGE MANUFACTURING COMPANY RECOMMENDS THE USE OF EITHER A MINIMUM 22 GAUGE CORRUGATED METAL DECK OR A MINIMUM OF 1/2" WOOD SHEATHING TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS. CONTACT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT FOR USE OF ANY OTHER TYPE OF SOLID SHEATHING. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".

FOR ASSEMBLIES WITH RIGID INSULATION OVER THE STRUCTURAL DECK, PROVIDE WOOD BLOCKING EQUAL TO THE DEPTH OF THE INSULATION AT THE PERIMETERS.

DUE TO THE TENDENCY OF #30 FELT TO TEAR WHEN USED DIRECTLY OVER A CORRUGATED DECK, BERRIDGE RECOMMENDS THAT THE ARCHITECT, DESIGNER, AND/OR INSTALLER REVIEW THE USE OF A BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT AND FOLLOW PRODUCT INSTALLATION INSTRUCTIONS FROM SAID UNDERLAYMENT MANUFACTURER PRIOR TO INCORPORATION INTO ANY PROJECT.

NOTE: FOR PROJECTS REQUIRING UL 90 ASSEMBLY, REFER TO UL 90 DETAILS.



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## INSTALLATION INSTRUCTIONS

# ZEE-LOCK PANEL

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F. SHEATHING INSPECTION:

1. SHEATHING END JOINTS SHOULD BE STAGGERED.
2. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
3. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOINTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.
4. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN; UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN THE PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".
5. ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS.
6. USE WOOD FRAMED CRICKETS AT LARGE PENETRATIONS.
7. MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS AND RIDGES.

G. INSTALLATION OVER OPEN FRAMING: DIAPHRAGM CAPABILITIES AND PURLIN STABILITY ARE NEGLIGIBLE AS PROVIDED BY THE BERRIDGE ZEE-LOCK PANEL SYSTEM, THEREFORE OTHER BRACING WILL BE REQUIRED TO CONFORM TO AISI SPECIFICATIONS.

H. OPEN FRAMING INSPECTION:

1. PURLINS SHOULD BE ALIGNED WITH TOP FLANGES IN THE SAME PLANE TO A TOLERANCE OF 1/4" IN 20'-0". UNEVENNESS IN THE TOP PLANE OF THE PURLINS WILL RESULT IN ABNORMAL "OIL CANNING" PANELS. PURLINS SHALL BE ADEQUATELY BRACED.
2. BERRIDGE MANUFACTURING COMPANY RECOMMENDS SOLID SHEATHING IN VALLEY AND AROUND ROOF PENETRATIONS. DO NOT APPLY PANELS ON OPEN FRAMING AT VALLEYS OR ROOF PENETRATIONS WITHOUT REFERRING TO DETAILS Z-72, Z-72T, Z-85 AND Z-86.
3. FOOT TRAFFIC ON THE PANELS MUST BE KEPT TO A MINIMUM. ARCHITECTURAL PANELS ARE DESIGNED FOR AESTHETICS AND CAN BE EASILY DAMAGED OR DEFORMED IF EXTREME CARE IS NOT USED.

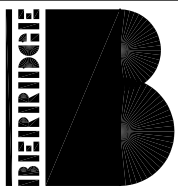
I. FASCIA/RAKE INSPECTION:

1. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.
2. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.

J. UNDERLAYMENT: MINIMUM #30 FELT OR BERRIDGE APPROVED 40 MIL MINIMUM, HIGH TEMPERATURE PEEL & STICK UNDERLAYMENT MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL ZEE-LOCK, AND UNDERLAYMENT INSTALLATION DETAILS. THE USE OF ADDITIONAL LAYERS OF UNDERLAYMENT IS REQUIRED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED THROUGHOUT THE ZEE-LOCK TYPICAL DETAILS. BERRIDGE REQUIRES STRIP IN LAYERS OF #30 FELT UNDERLAYMENT TO BE MINIMUM 36" OR A FULL ROLL AT ALL FLASHING LOCATIONS; FOR BERRIDGE APPROVED PEEL & STICK A 36" OR FULL ROLL AT VALLEY FLASHING AND SQUARE ROOF PENETRATION LOCATIONS, AND MINIMUM 12" AT ALL OTHER FLASHING LOCATIONS. BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT MAY BE REQUIRED ON LOW SLOPED ROOFS OR AT CERTAIN FLASHING CONDITIONS. FOR ALL WATERTIGHTNESS WARRANTIES, THE UNDERLAYMENT MUST BE THE BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT. BOTH UNDERLAYMENT INSTALLATION DETAILS AND APPROVED UNDERLAYMENTS AND SEALANTS LIST CAN BE FOUND ON BERRIDGE'S WEBSITE: [WWW.BERRIDGE.COM](http://WWW.BERRIDGE.COM)

APPROVED UNDERLAYMENTS AND SEALANTS

UNDERLAYMENT INSTALLATION DETAILS



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## INSTALLATION INSTRUCTIONS

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K. UNDERLAYMENT INSTALLATION:

1. DO NOT USE ROSIN PAPER UNDER METAL ROOFING PANELS.
2. SWEEP ROOF AREA CLEAN.
3. WHEN UTILIZING FELT, USE FLAT HEAD GALVANIZED ROOFING NAILS X 1-1/4" LONG OR A #12 PANCAKE HEAD COATED FASTENER WITH BERRIDGE GALVANIZED FELT CAPS.
4. INSTALL VALLEY UNDERLAYMENT FIRST.
5. INSTALL UNDERLAYMENT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. 2 LAYERS REQUIRED AT EAVE REGARDLESS OF SLOPE.
6. REFER TO UNDERLAYMENT DETAILS WHEN VALLEYS OR ROOF PENETRATIONS ARE INVOLVED.
7. INSULATE BETWEEN WOOD BLOCKING AND METAL WITH #30 FELT OR BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT.

L. THERMAL MOVEMENT: EXPANSION AND CONTRACTION OF METAL PANELS WHICH EXCEED THIRTY FEET IN LENGTH CAN BE A FACTOR IN THE DESIGN AND INSTALLATION OF FLASHING. PLEASE REFER TO THE GALVALUME LINEAR EXPANSION CHART ON PAGE ZI-6 (GL) TO DETERMINE ANTICIPATED THERMAL MOVEMENT OF THE PANELS. IMPROPERLY DESIGNED FLASHING CAN ALLOW PANELS TO DISENGAGE FROM THE FLASHING, ALLOW OIL-CANNING IN THE PANEL AND/OR CAUSE FLASHING TO WORK LOOSE FORM ITS ANCHORAGE.

PANELS OVER 30'-0" LONG REQUIRE EXPANSION CLIPS WHEN USED WITH CONTINUOUS ZEE-RIB. REFER TO DETAIL Z-5 OVER SOLID SHEATHING, AN ALTERNATE DETAIL Z-6 MAY BE UTILIZED WITH ZEE-RIBS OF 10'-0" OR LESS.

M. ELECTROLYSIS: AVOID ALLOWING FLASHINGS AND PANELS TO COME INTO CONTACT WITH EITHER LEAD OR COPPER AND PREVENT EXPOSURE TO WATER RUNDOWN FROM COPPER AND/OR LEAD.

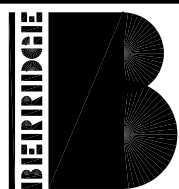
N. SEALANT REQUIREMENTS: FOR A FULL LIST OF APPROVED SEALANTS VISIT: [WWW.BERRIDGE.COM](http://WWW.BERRIDGE.COM)  
APPROVED UNDERLAYMENTS AND SEALANTS

O. FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE END CUTS ONLY. THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE OF ANGLES.

FLASHING INSTALLATION:

1. REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIOR TO INSTALLATION.
2. ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED OVER OTHER FLASHINGS.
3. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.
4. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE RECOMMENDED TO AVOID RUST STAINS. USE #12 PANCAKE HEAD ZINC PLATED FASTENERS FOR FLASHING INSTALLATION. MAKE SURE ALL FASTENERS ARE DRIVEN STRAIGHT AND SET FLAT. DO NOT OVERDRIVE FASTENERS AS THIS WILL CAUSE THE FLASHINGS TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.



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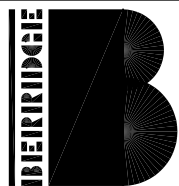
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- P. PANELS: BERRIDGE MANUFACTURING COMPANY WILL PROVIDE SQUARE END CUTS ONLY ON ALL ZEE-LOCK PANELS. COMPUTATION OF ALL QUANTITIES AND DIMENSIONS ARE THE RESPONSIBILITY OF THE PURCHASER. PANELS ARE TO BE FIELD CUT WITH SNIPS, NIBBLER, AND/OR SHEARS ONLY.
- Q. PANEL INSTALLATION:
1. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.
  2. START PANEL INSTALLATION AT GABLE END OF THE ROOF, WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. AT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.
  3. INSTALL THE CONTINUOUS ZEE-RIB OR ZEE-LOCK CLIPS ALONG THE LEADING MALE LEG OF EACH PANEL AS PER BERRIDGE TYPICAL DETAILS AND INSTALLATION NOTES.
  4. USE BERRIDGE SEAMER AT PANEL SIDE LAPS.
  5. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS. ANY CRIMPS IN VERTICAL LEGS MUST BE STRAIGHTENED (TOTALLY STRAIGHT WITHOUT ANY BENDS, CRIMPS, CREASES, ETC.) PRIOR TO SEAM INSTALLATION.
  6. KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPs, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION. WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.
  7. METALLIC FINISHES:  
PANEL INSTALLATION: NOTE THE SERIES OF ARROWS PAINTED ON THE UNDERSIDE OF THE PANEL. ALL PANELS MUST BE INSTALLED IN CONSISTENT MANNER, MEANING THAT THE ARROWS ON EVERY PANEL ARE ALL POINTING IN THE SAME DIRECTION. IF A PANEL IS REVERSED (ARROWS POINTING OPPOSITE OF THOSE ON OTHER PANELS) IT WILL APPEAR FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR EFFECT OF THE PIGMENTS IN THE FINISH. METALLIC FINISHES ARE MATCH – LOT FINISHES. DO NOT MIX LOTS.
- R. PANEL SEAM: THE BERRIDGE ZEE-LOCK PANEL IS A MECHANICALLY SEAMED PANEL BY USE OF A BERRIDGE SEAMER MACHINE.
- S. SEAMER INSTRUCTIONS:
1. PREPARE THE SIDE LAP SEAM FOR MACHINE SEAMING BY CRIMPING THE STARTING END OF THE SIDE LAP USING THE BERRIDGE HAND CRIMPER TOOL. THIS CREATES A SEAMED AREA WHERE THE SEAMER MACHINE WILL BE POSITIONED TO COMMENCE SEAMING THE SIDE LAP.
  2. HAND SEAM TERMINATING END OF SIDE LAP IF OBSTRUCTION PREVENTS SEAMING MACHINE FROM SEAMING SIDE LAP ALL THE WAY UP TO THE END.
  3. DO NOT LET SEAMER TRAVEL OFF END OF PANEL AND OVER EDGE OF EAVE. SEAMER DOES NOT AUTOMATICALLY SHUT OFF AT END OF SEAM.
  4. ROOF SLOPES WITH A RISE OF MORE THAN 6" ON 12" SHOULD BE SEAMED IN A DOWNHILL DIRECTION. ATTEMPTING TO RUN SEAMER UP HILL ON STEEP SLOPE ROOFS MAY CAUSE ROLLER DIES TO SLIP AND RUB PAINT OFF PANEL LEGS.
  5. REFER TO OPERATIONS MANUAL FOR IN-DEPTH INSTRUCTIONS AND MAINTENANCE PROCEDURES.
  6. THE MACHINE SEAMING OF THE ZEE-LOCK PANEL IS DONE IMMEDIATELY AFTER THE INSTALLATION OF EACH PANEL.



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## INSTALLATION INSTRUCTIONS

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T1. CONTINUOUS ZEE-RIB:

1. INSTALL ZEE-RIB AS PER BERRIDGE TYPICAL ZEE-LOCK PANEL DETAILS.
2. THE ZEE-RIB IS TO RUN CONTINUOUS ALONG THE ENTIRE LENGTH OF THE PANELS. IF PANEL LENGTH IS OVER 30'-0" LONG OR EXPANSION AND CONTRACTION OF PANELS IS A DESIGN FACTOR, REFER TO DETAIL Z-5. ALTERNATE DETAIL Z-6 MAY BE UTILIZED WITH ZEE-RIBS OF 10'-0" OR LESS.
3. VINYL WEATHERSEAL REQUIRED FOR INSTALLATIONS OVER OPEN FRAMING.
4. VINYL WEATHERSEAL REQUIRED FOR WARRANTIES.

T2. ZEE-LOCK CLIPS:

1. INSTALL FLOATING ZEE-LOCK CLIPS OR ZEE-LOCK CLIPS AS PER BERRIDGE TYPICAL ZEE-LOCK PANEL DETAILS.

\*NOTE: IF LOCAL CODES OR OTHER REGULATIONS DICTATE SPECIFIC WIND UPLIFT REQUIREMENTS, CONSULT BERRIDGE ENGINEERING DEPARTMENT, AS IT MAY BE NECESSARY TO USE A DIFFERENT FASTENER PATTERN.

- U. FASTENERS: INSTALL FASTENERS AS PER TYPICAL DETAILS. USE LOAD CHARTS UNDER THE "DOWNLOADS" TAB ON [WWW.BERRIDGE.COM](http://WWW.BERRIDGE.COM) FOR FASTENER RECOMMENDATIONS ACCORDING TO SUBSTRATE.\*\*

ZEE-LOCK LOAD CHARTS

MAKE SURE ALL FASTENERS ARE DRIVEN STRAIGHT AND SET FLAT. DO NOT OVERDRIVE FASTENERS AS THIS WILL CAUSE THE CLIP AND/OR FLASHINGS TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.

\*\*CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING THE USE OF ANY OTHER TYPE OF FASTENER.

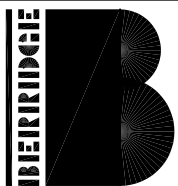
- V. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE ZEE-LOCK PANEL COMPLIES WITH UL TEST PROCEDURE NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES" CLASS UL 90 REFER TO DETAILS Z-90 - Z-96, REFER TO DETAILS Z-100 - Z-102 FOR HOURLY UL FIRE RESISTANCE DESIGN ASSEMBLIES.

BERRIDGE MANUFACTURING COMPANY STRIVES TO PROVIDE ITS CUSTOMERS WITH THE HIGHEST QUALITY STRETCHER LEVELED STEEL AVAILABLE. THE LATEST TECHNOLOGY IS ALSO INCORPORATED IN BERRIDGE'S HIGH-PRECISION COIL HANDLING AND ROLL FORMING EQUIPMENT TO MINIMIZE THE STRESS ON METAL DURING PRODUCTION. ALL THESE MEASURES HAVE BEEN TAKEN TO MINIMIZE THE AMOUNT OF "OIL-CANNING" (WAVINESS) WHICH IS NATURALLY INHERENT IN FLAT SHEET METAL. MANY TIMES; HOWEVER, THE CAUSE OF WAVINESS OR "OIL-CANNING" CAN BE TRACED TO UNEVEN SHEATHING, IMPROPER UNDERLAYMENT INSTALLATION, OR IN THE CASE OF OPEN FRAMING, UNEVENNESS OF THE TOP PLANE OF THE PURLINS OR FOOT TRAFFIC ON THE PANELS.

ALL ARCHITECTURAL PANELS REQUIRE CARE IN HANDLING AND INSTALLATION TO AVOID DAMAGING OR DEFORMING THE PANELS.

THESE INSTALLATION INSTRUCTIONS AND THE FOLLOWING TYPICAL DETAILS ARE INTENDED TO PROVIDE OUR CUSTOMERS WITH THE INFORMATION REQUIRED FOR AN AESTHETICALLY PLEASING AND FUNCTIONAL INSTALLATION OF THE BERRIDGE ZEE-LOCK PANEL SYSTEM.

NOTE: ALL PRODUCT SPECIFICATIONS, DETAILS AND INSTALLATION INSTRUCTIONS SUBJECT TO CHANGE WITHOUT NOTICE. FOR SPECIFIC PROJECT DETAILS, CONTACT BERRIDGE.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

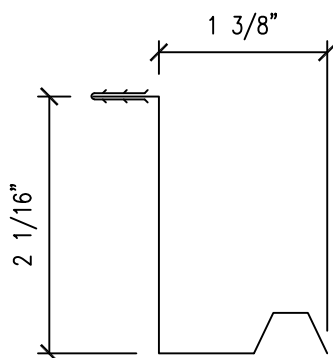
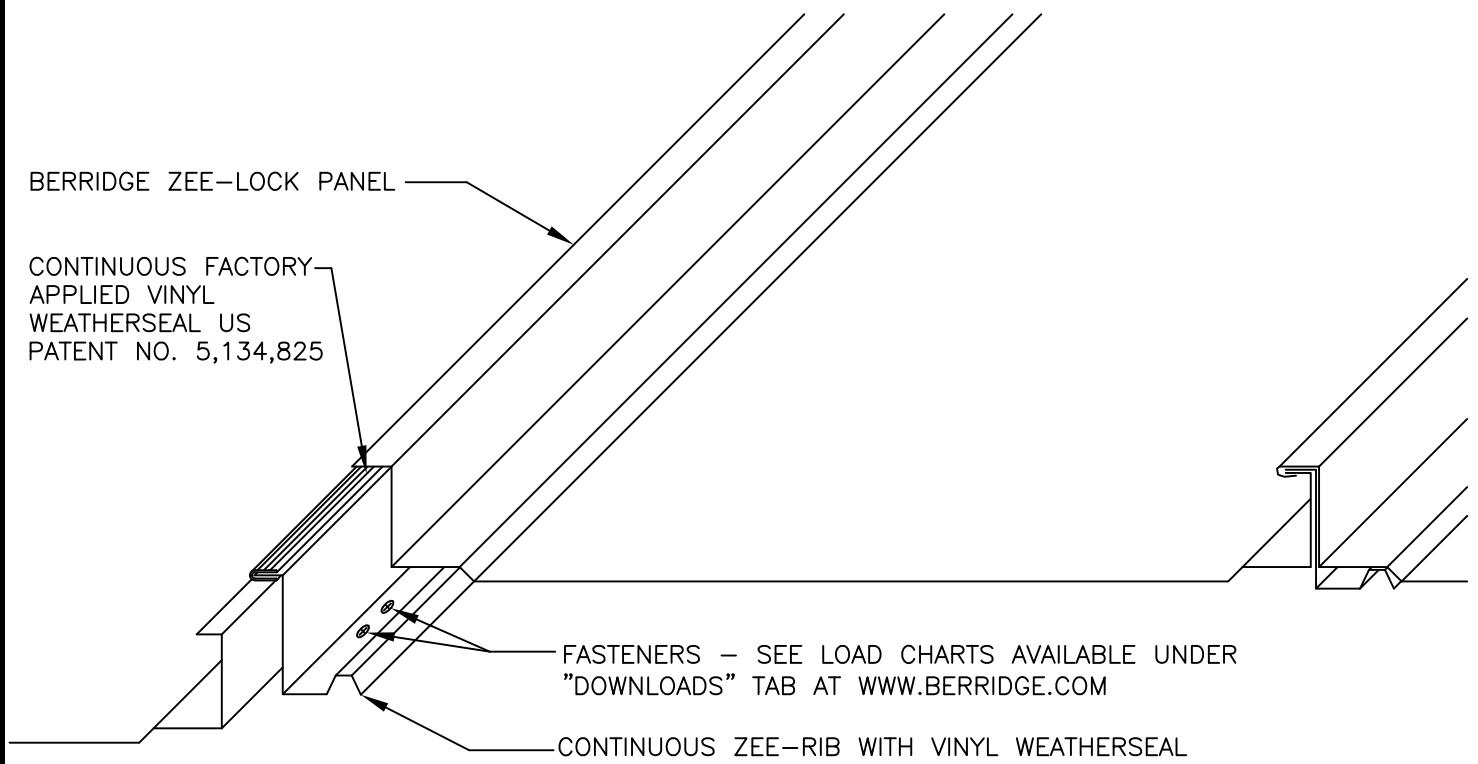
## INSTALLATION INSTRUCTIONS

# ZEE-LOCK PANEL

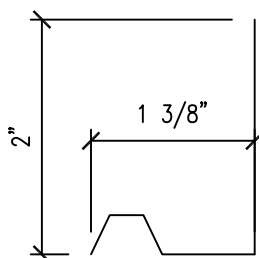
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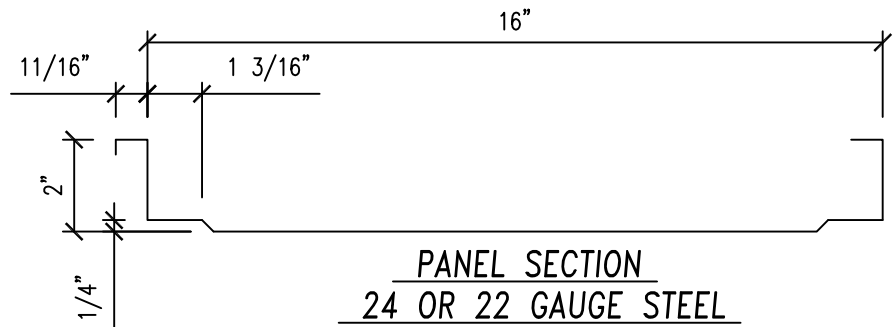
ZI-5



CONTINUOUS ZEE-RIB WITH  
(OPTIONAL) VINYL WEATHERSEAL



PANEL SUPPORT (OPTIONAL)

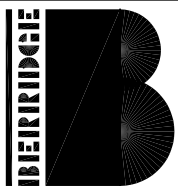
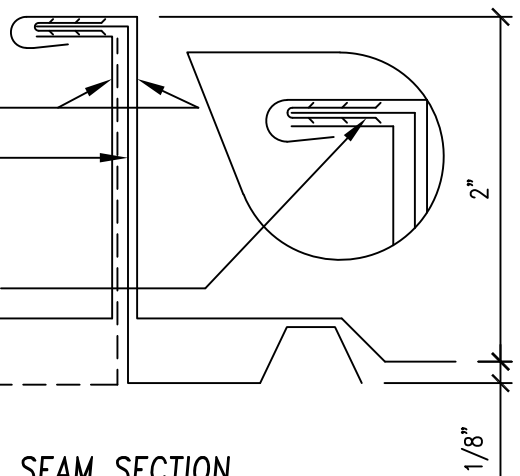


BERRIDGE ZEE-LOCK  
PANEL

CONTINUOUS ZEE-RIB

FACTORY APPLIED  
EXTRUDED VINYL  
WEATHERSEAL US  
PATENT NO. 5,134,825

PANEL SUPPORT  
(OPTIONAL)



BERRIDGE  
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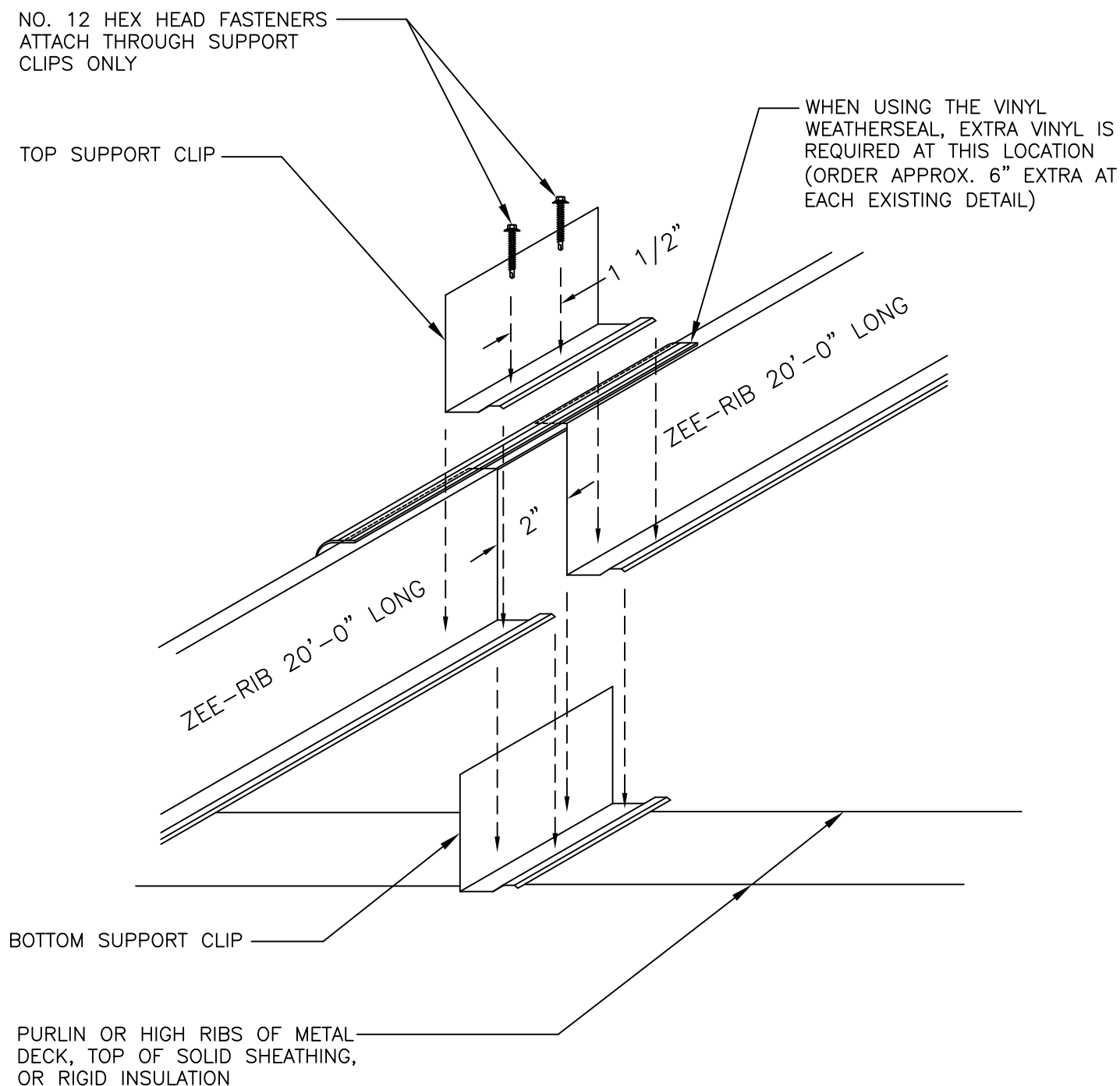
PANEL OVERVIEW  
CONTINUOUS ZEE-RIB WITH VINYL  
WEATHERSEAL

ZEE-LOCK PANEL

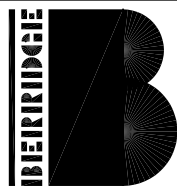
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Z-4



1. FOR RIBS LESS THAN OR EQUAL TO 10'0" OVER SOLID SHEATHING, AN ALTERNATE DETAIL Z-6 MAY BE USED.



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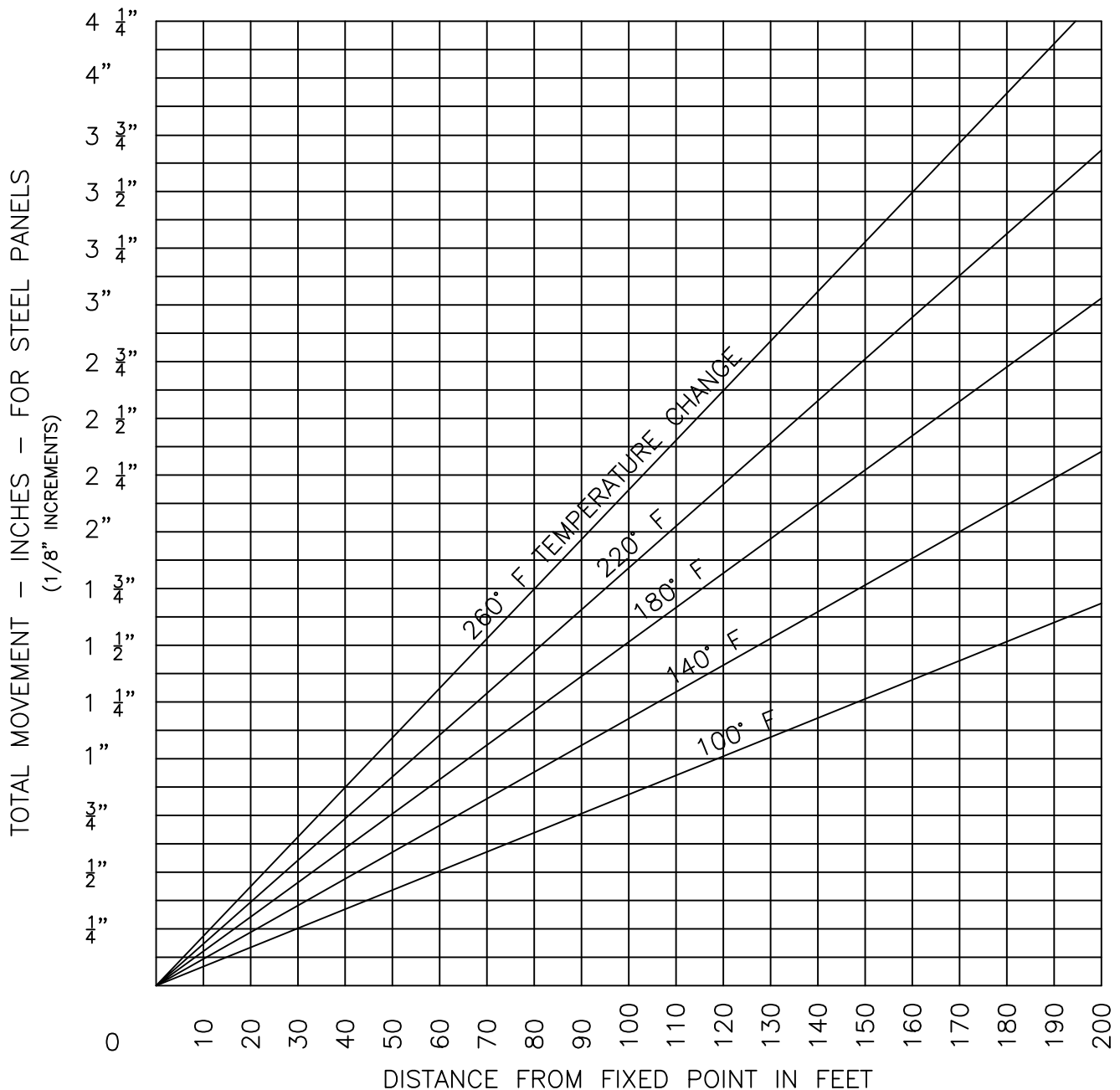
EXPANSION JOINT DETAIL

ZEE-LOCK PANEL

DATE: 5/23

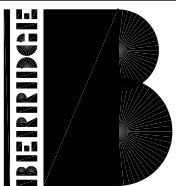
PAGE\FILE

Z-5



EXPANSION AND CONTRACTION OF METAL PANELS DUE TO LONGITUDINAL THERMAL MOVEMENT MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZES THE NEED TO PROVIDE AMPLE CLEARANCES FROM GUTTERS, RIDGES, ENDWALL, ETC.

MAXIMUM TEMPERATURE SHOULD BE NO LOWER THAN 140°F FOR WHITE PANELS, UP TO 180° FOR DARK PAINTED PANELS, REGARDLESS OF AMBIENT MAXIMUM, MINIMUM SHOULD BE FIGURED WELL BELOW AMBIENT MINIMUM TO ALLOW FOR RADIATION TO NIGHT SKY. IN ANY CASE, A MINIMUM OF 100°F DIFFERENTIAL IS RECOMMENDED.



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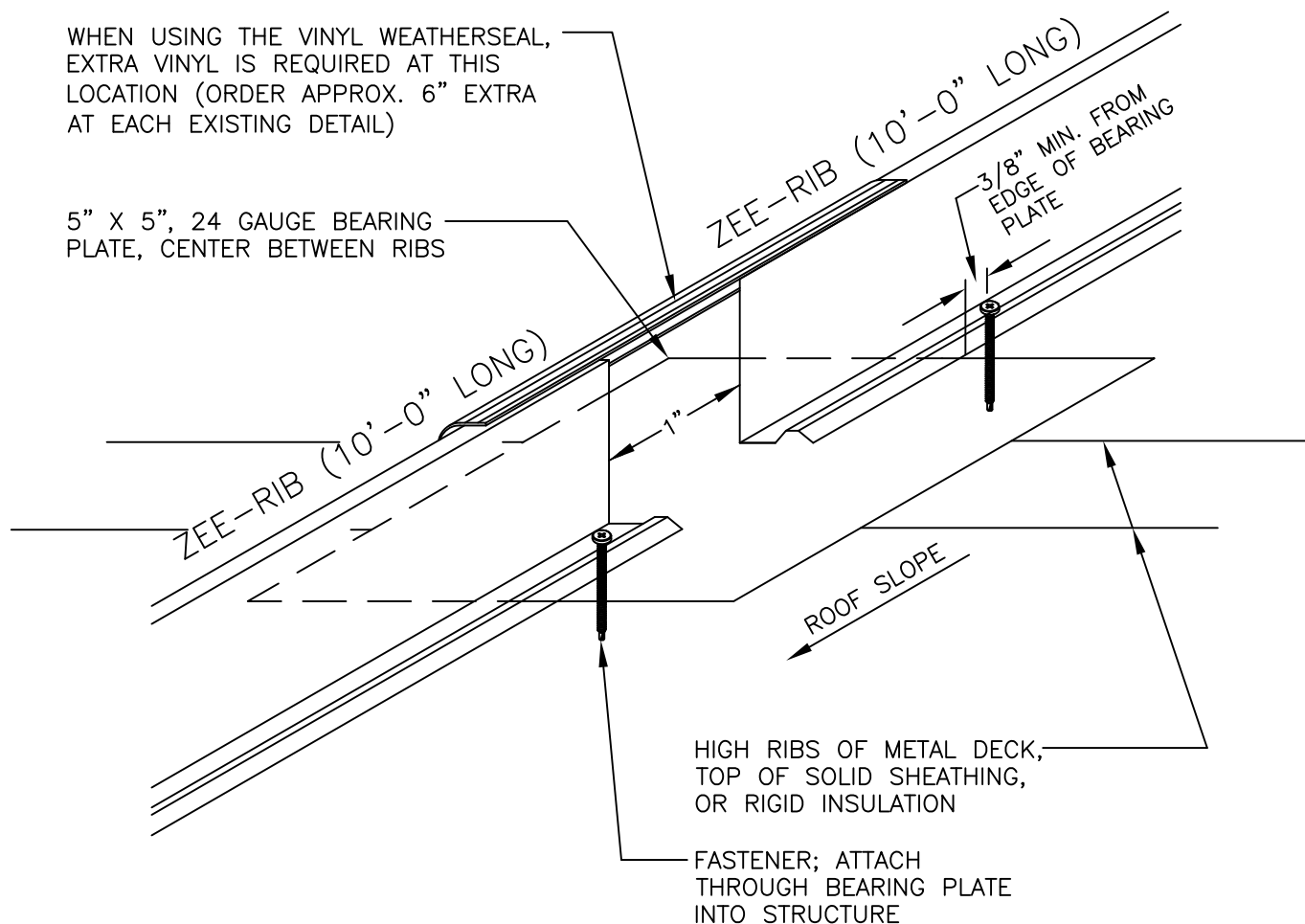
*Roofs of Distinction*

## INSTALLATION INSTRUCTIONS NOMINAL LINEAR EXPANSION

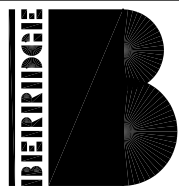
### METAL PANEL EXPANSION CHART

DATE: 5/23

PAGE\FILE  
ZI-6(GL)



1. ONLY FOR USE WITH 10'-0" ZEE RIB, SEE ALTERNATE DETAIL Z-5 FOR ZEE RIB LONGER THAN 10 FEET.
2. NOT FOR USE OVER OPEN FRAMING.



*Roofs of Distinction*

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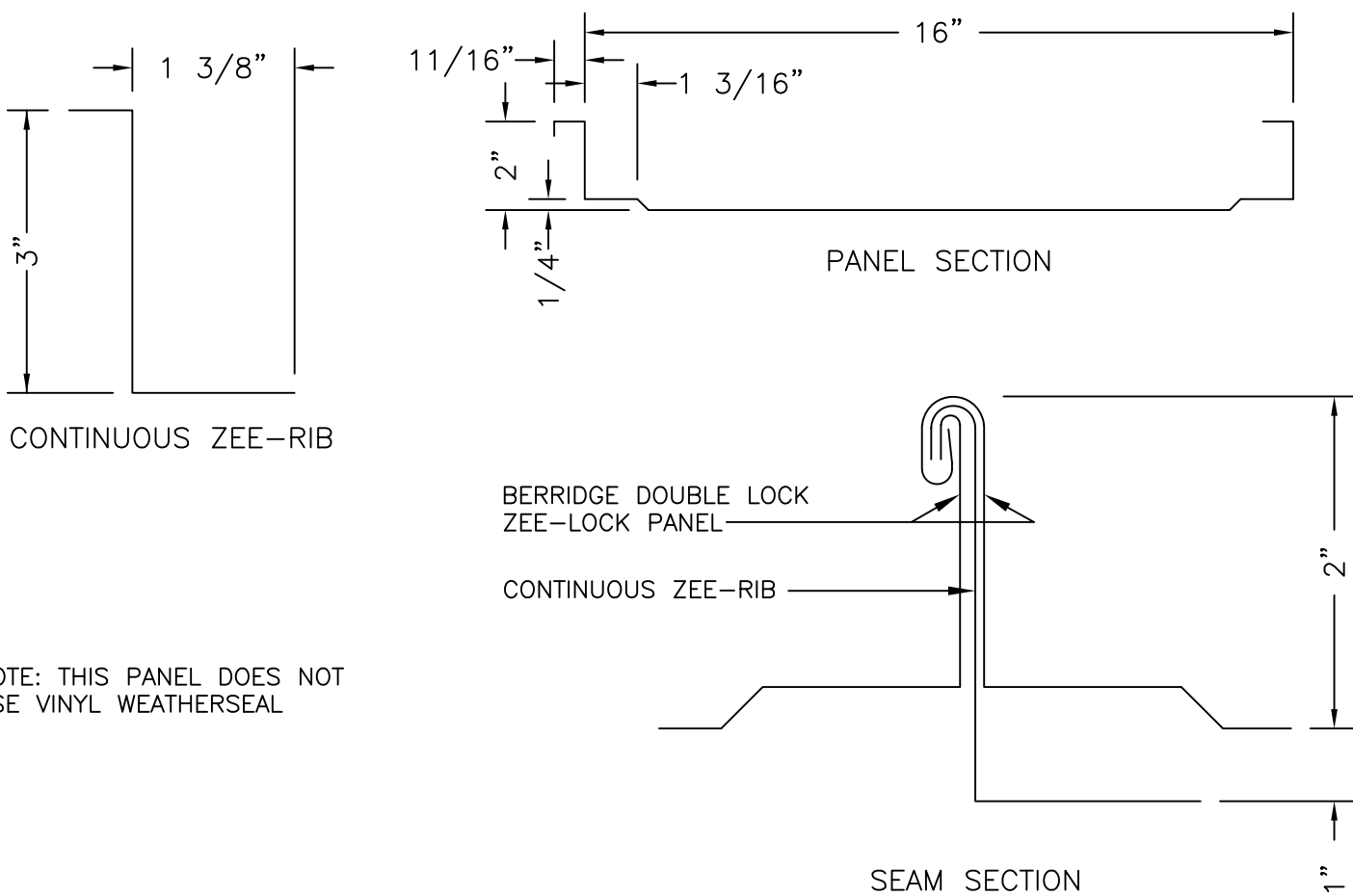
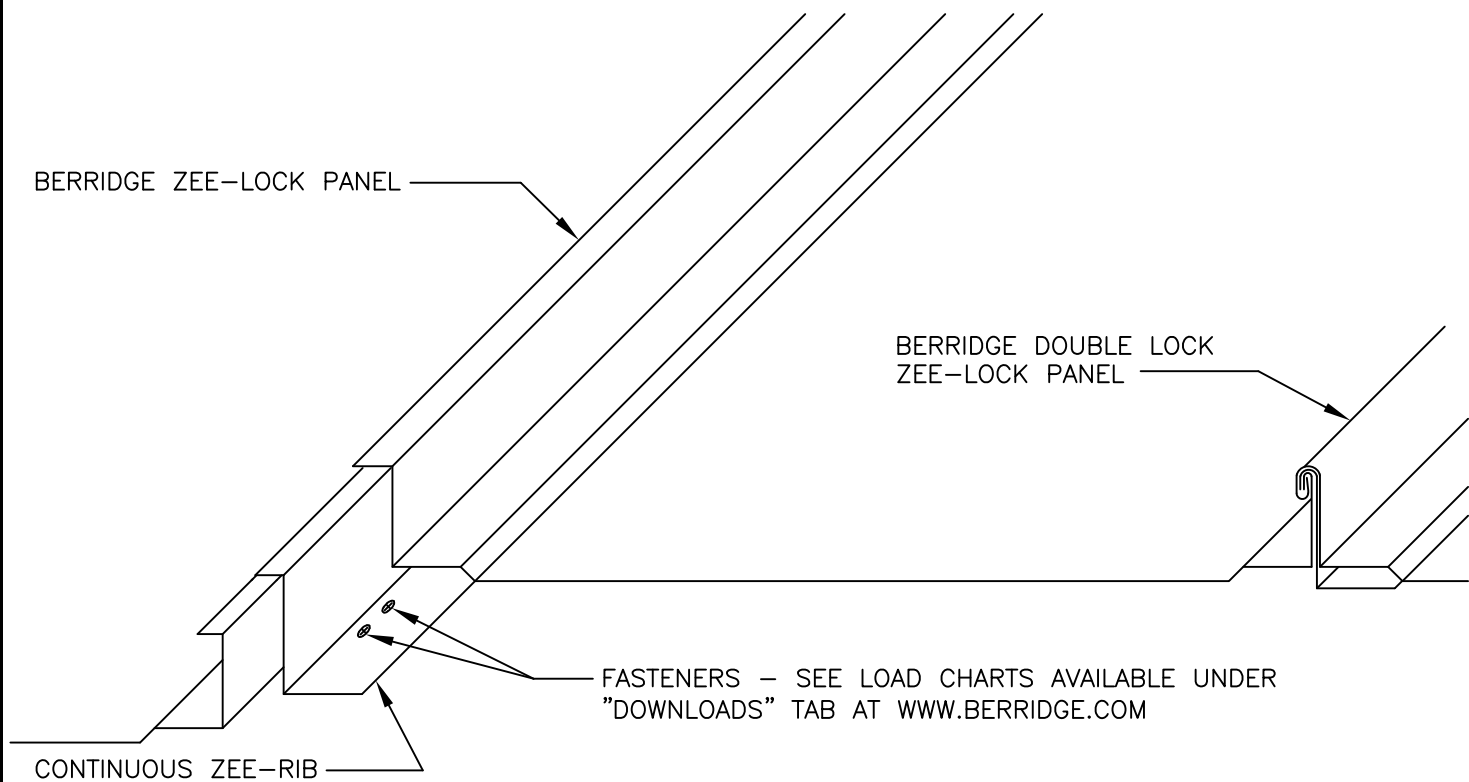
BEARING PLATE DETAIL

ZEE-LOCK PANEL

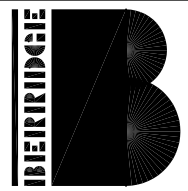
DATE: 5/23

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Z-6



NOTE: THIS PANEL DOES NOT USE VINYL WEATHERSEAL



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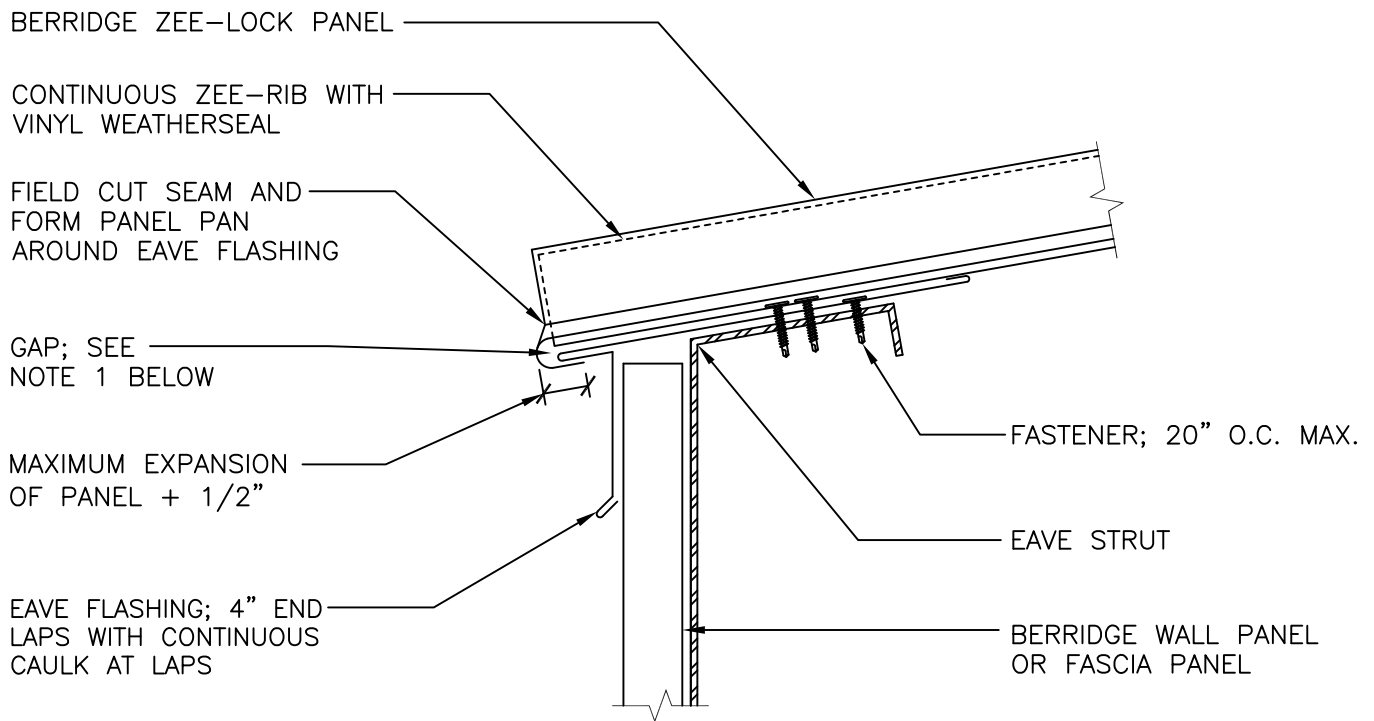
*Roofs of Distinction*

PANEL OVERVIEW  
CONTINUOUS 3" ZEE-RIB

ZEE-LOCK PANEL

DATE: 5/23

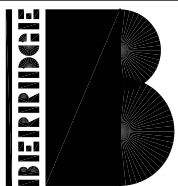
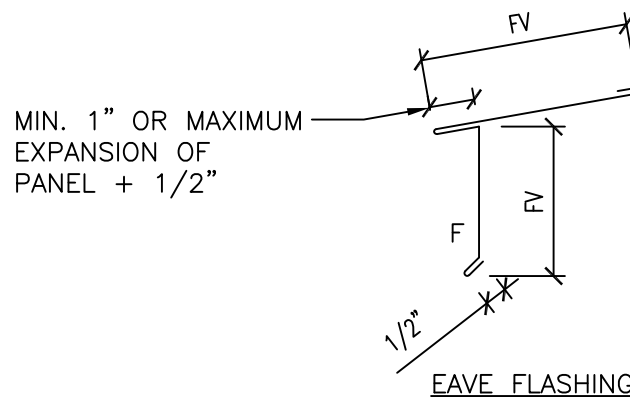
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Z-7



1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART (ZI-6)
2. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



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*Roofs of Distinction*

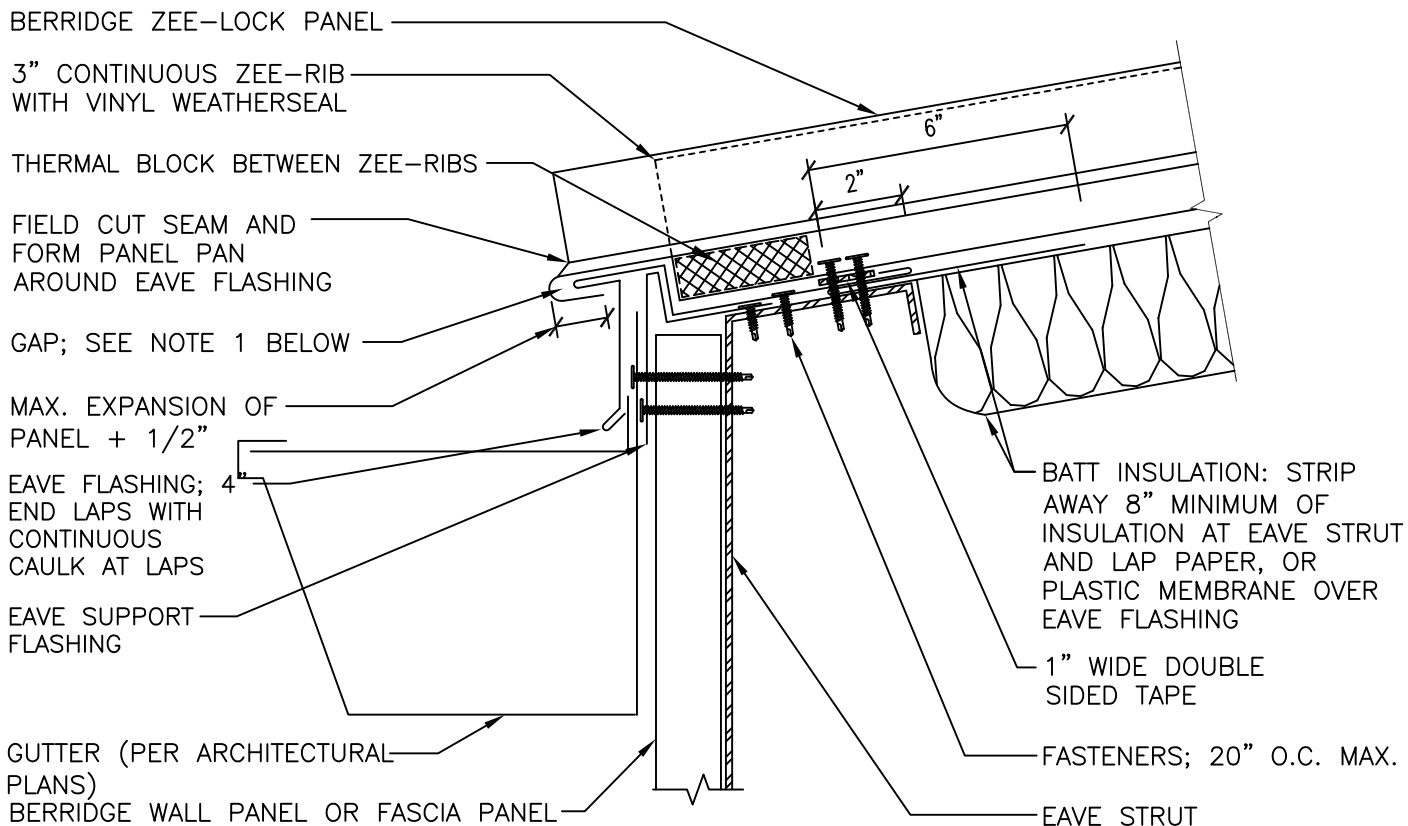
EAVE DETAIL; PANEL TURNDOWN  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

Z-10



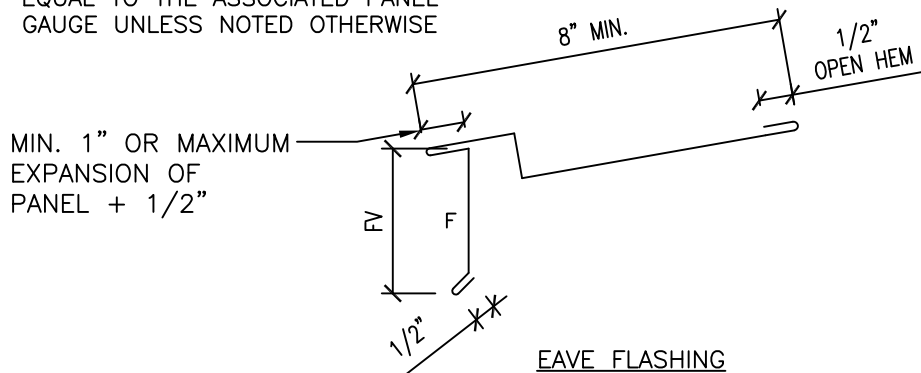
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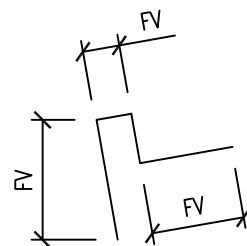
3. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".

4. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

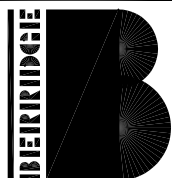
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE



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FV = FIELD VERIFY



EAVE SUPPORT  
FLASHING



Roofs of Distinction

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COMPANY

EAVE DETAIL; 3" ZEE-RIB  
OPEN FRAMING

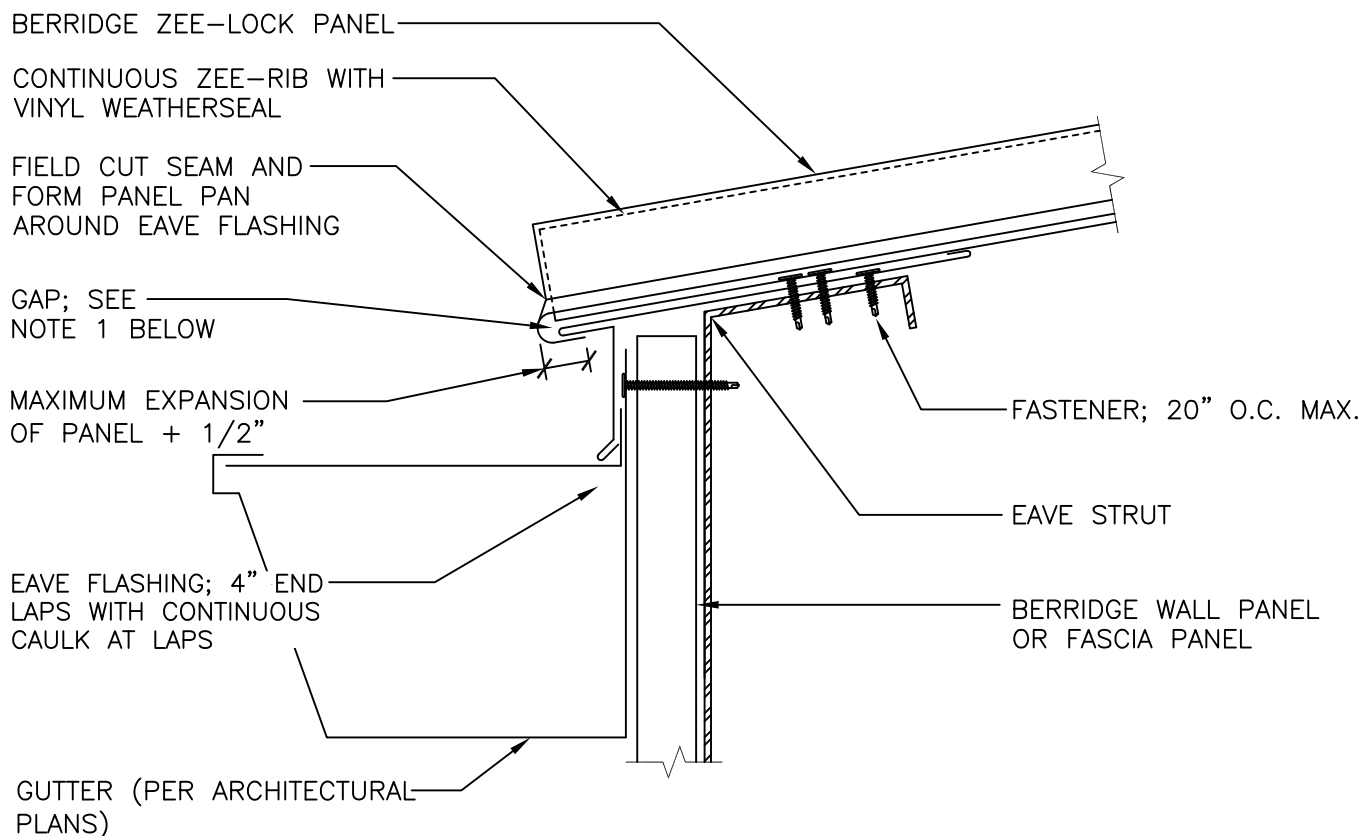
ZEE-LOCK PANEL

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PAGE\FILE

Z-10GT





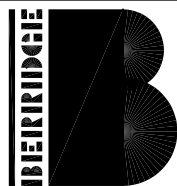
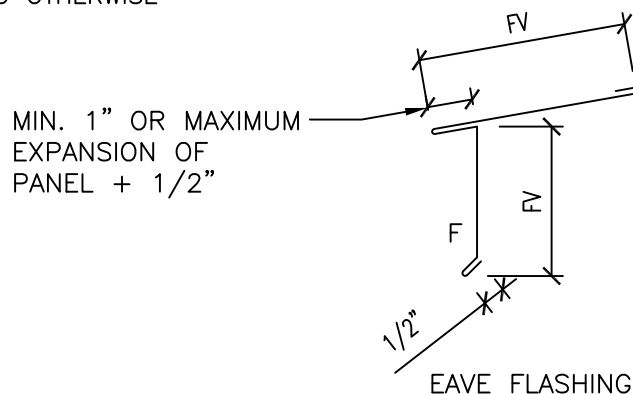
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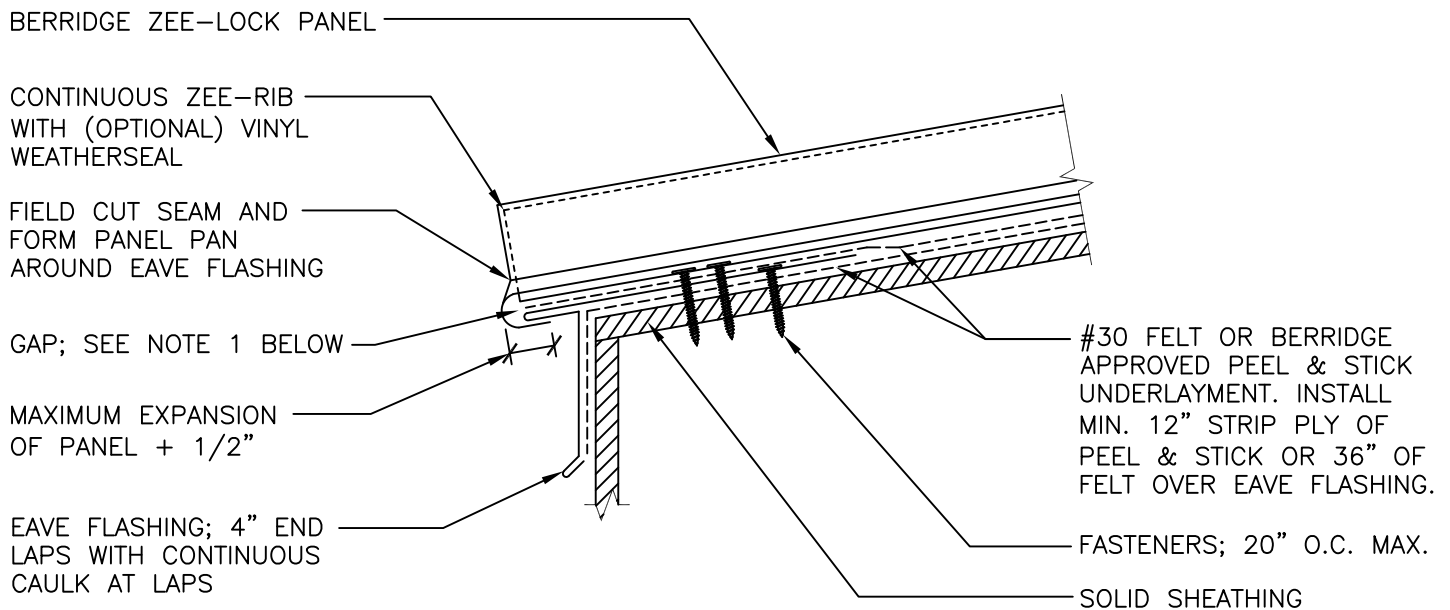
EAVE WITH GUTTER DETAIL  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-10PG



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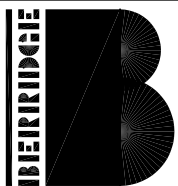
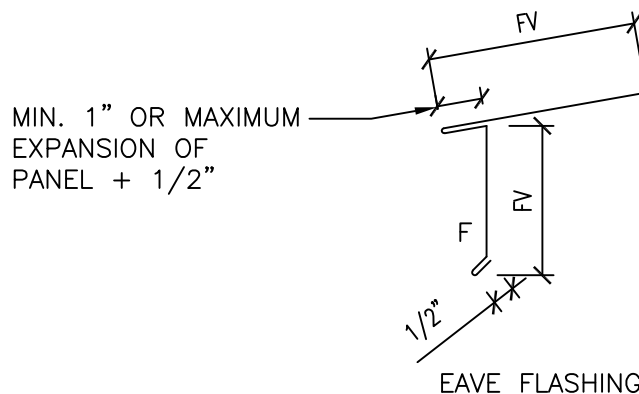
3. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

4. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, WOOD BLOCKING OR A MINIMUM 16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.

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COMPANY

Roofs of Distinction

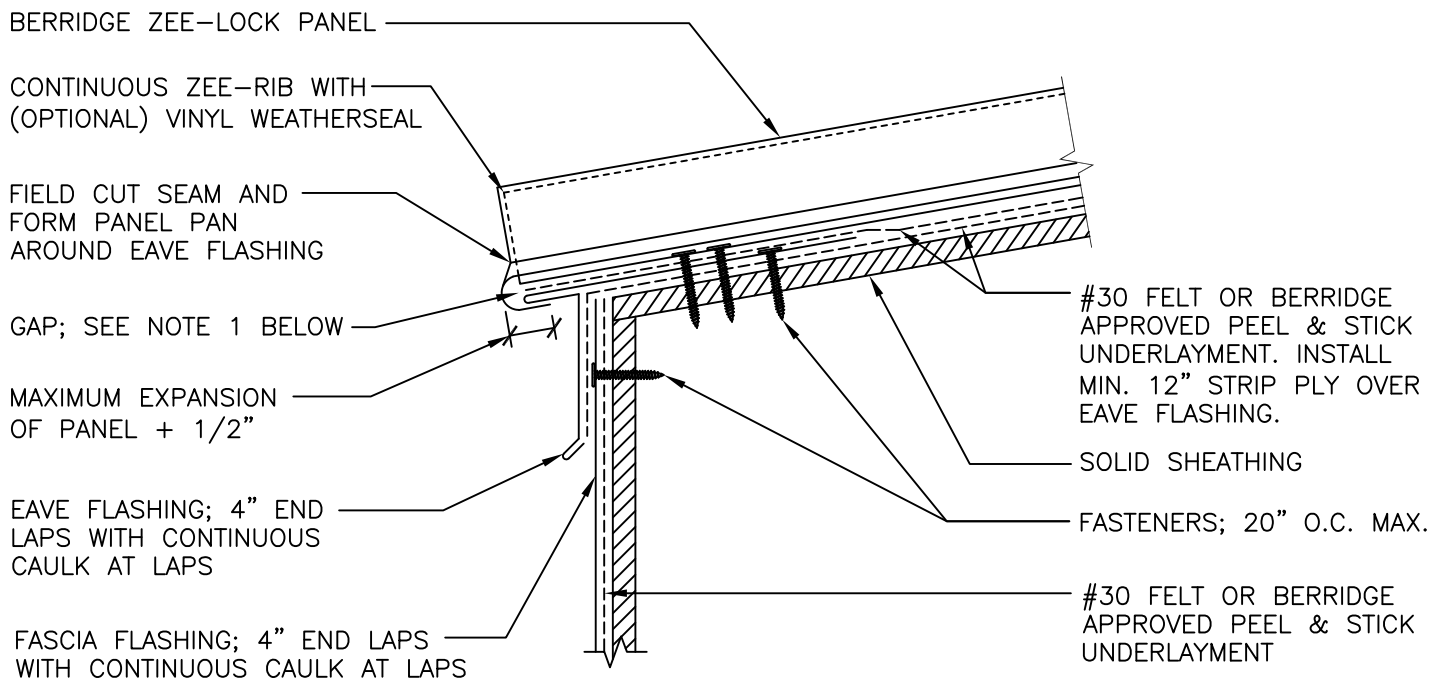
EAVE DETAIL; PANEL TURNDOWN  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

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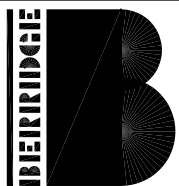
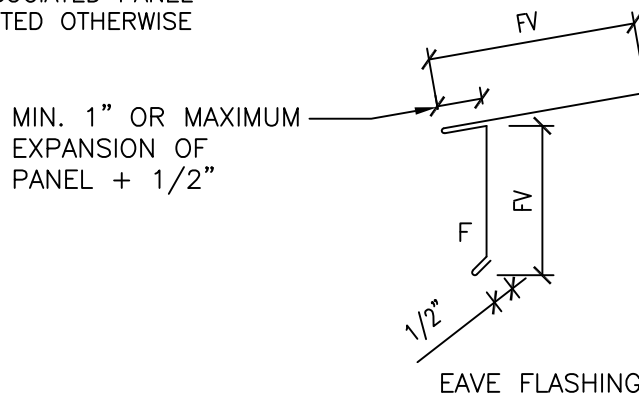
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*Roofs of Distinction*

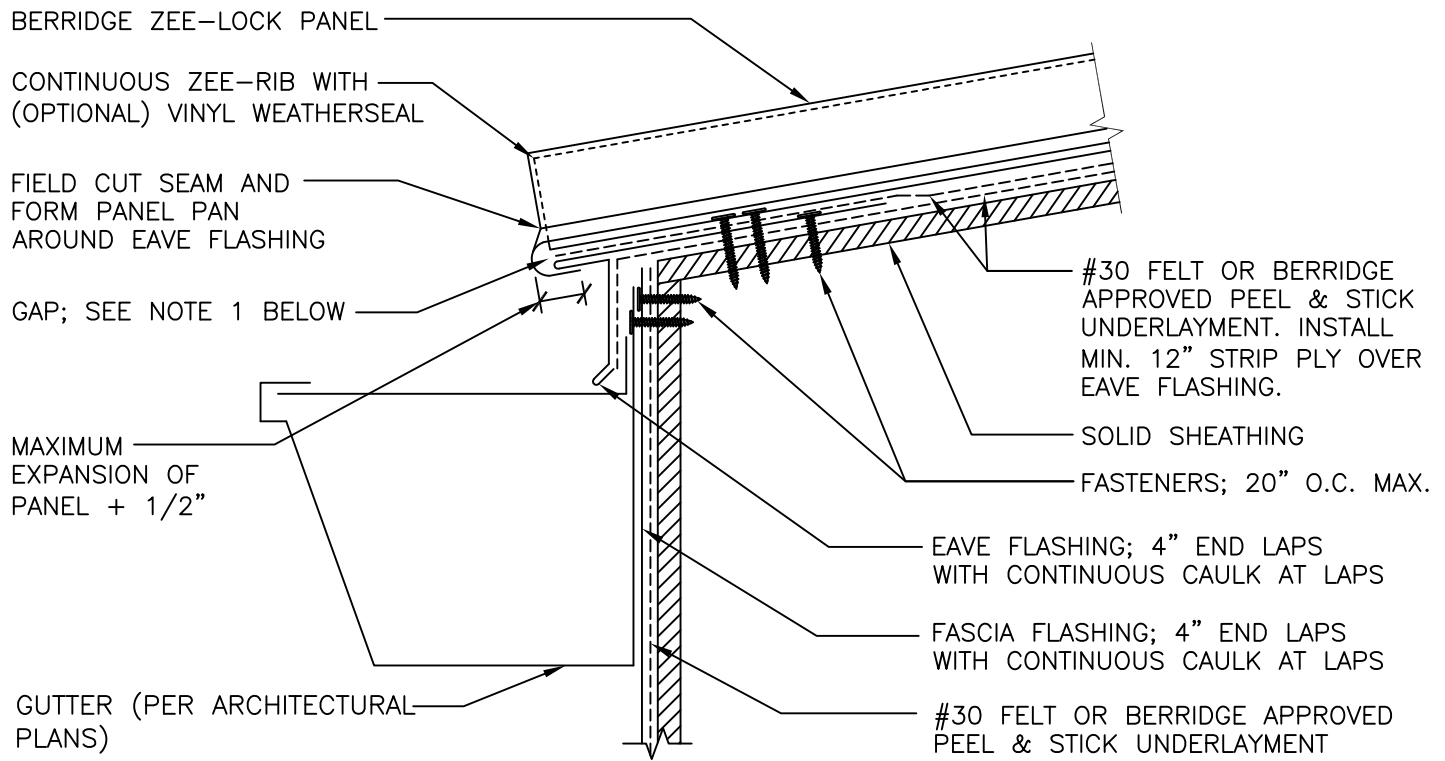
EAVE DETAIL; PANEL TURNDOWN  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

Z-11F

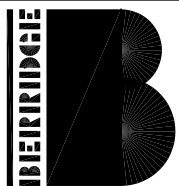
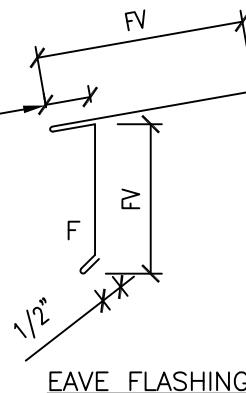


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MIN. 1" OR MAXIMUM EXPANSION OF PANEL + 1/2"



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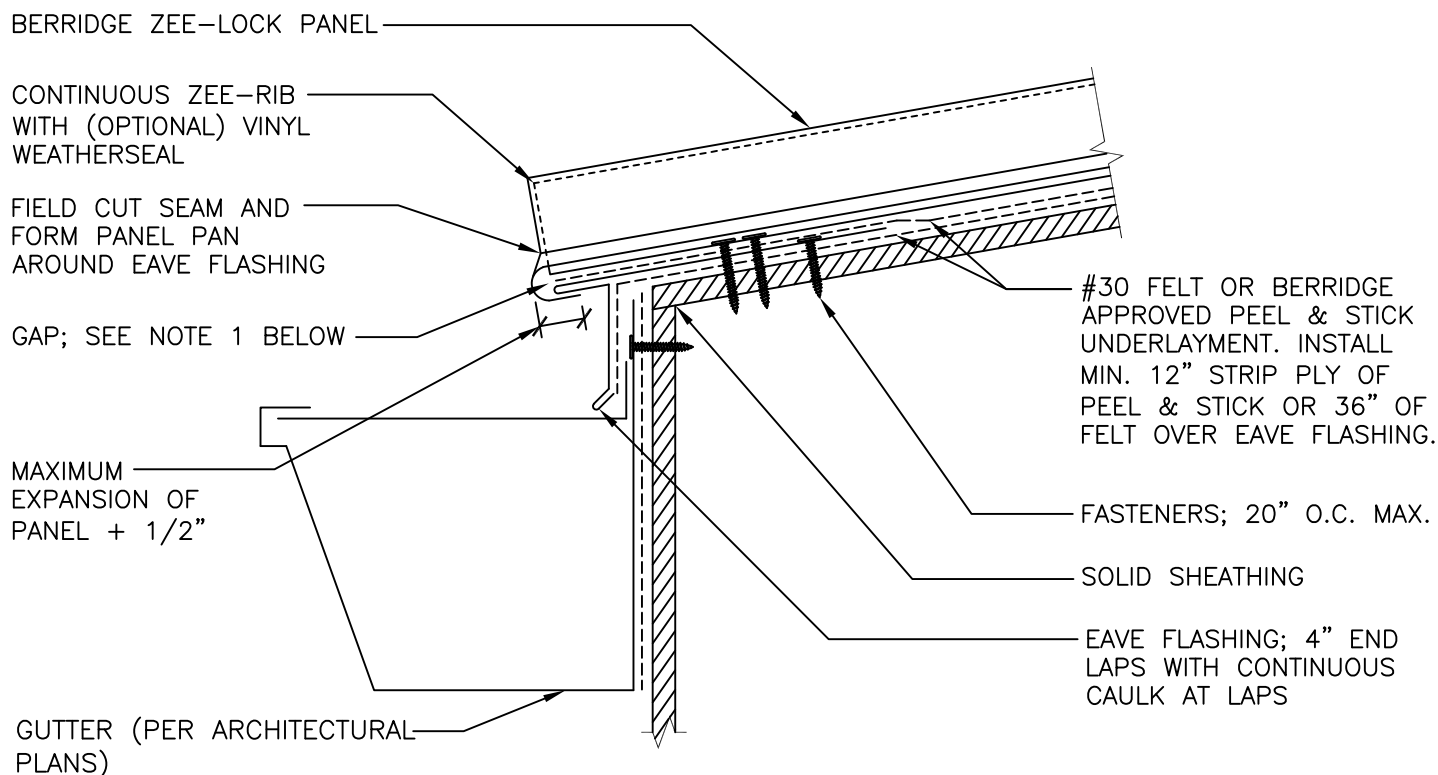
EAVE WITH GUTTER DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

Z-11FG

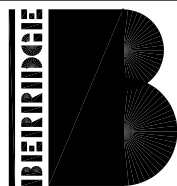
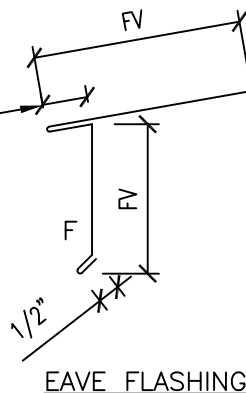


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MIN. 1" OR MAXIMUM EXPANSION OF PANEL + 1/2"



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

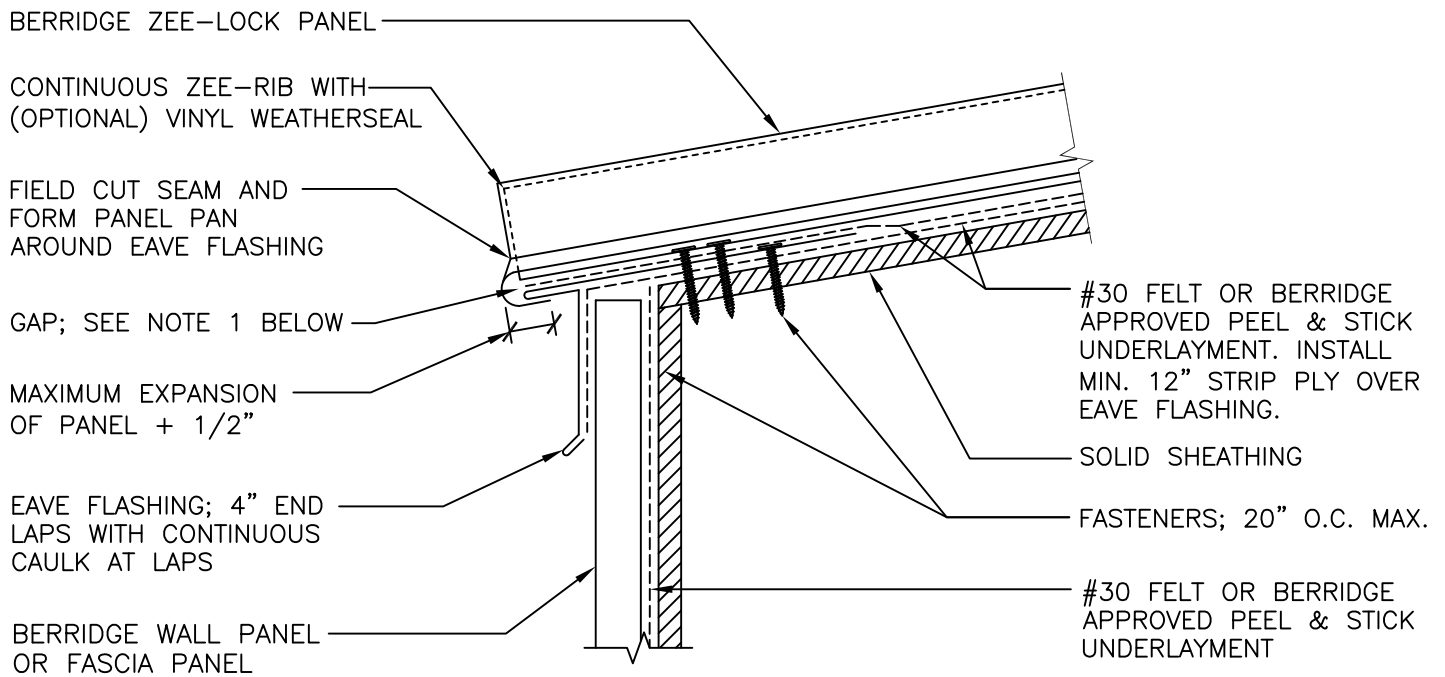
EAVE WITH GUTTER DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

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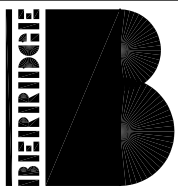
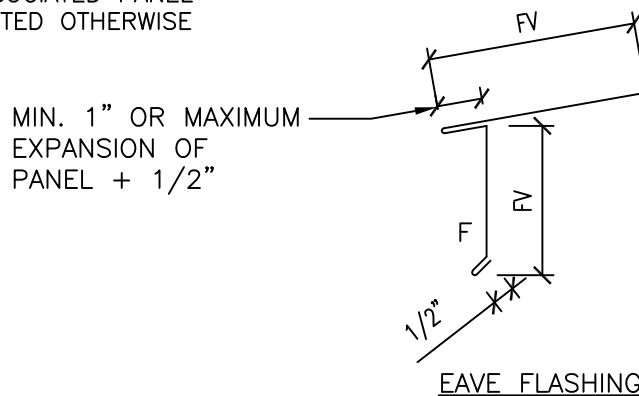
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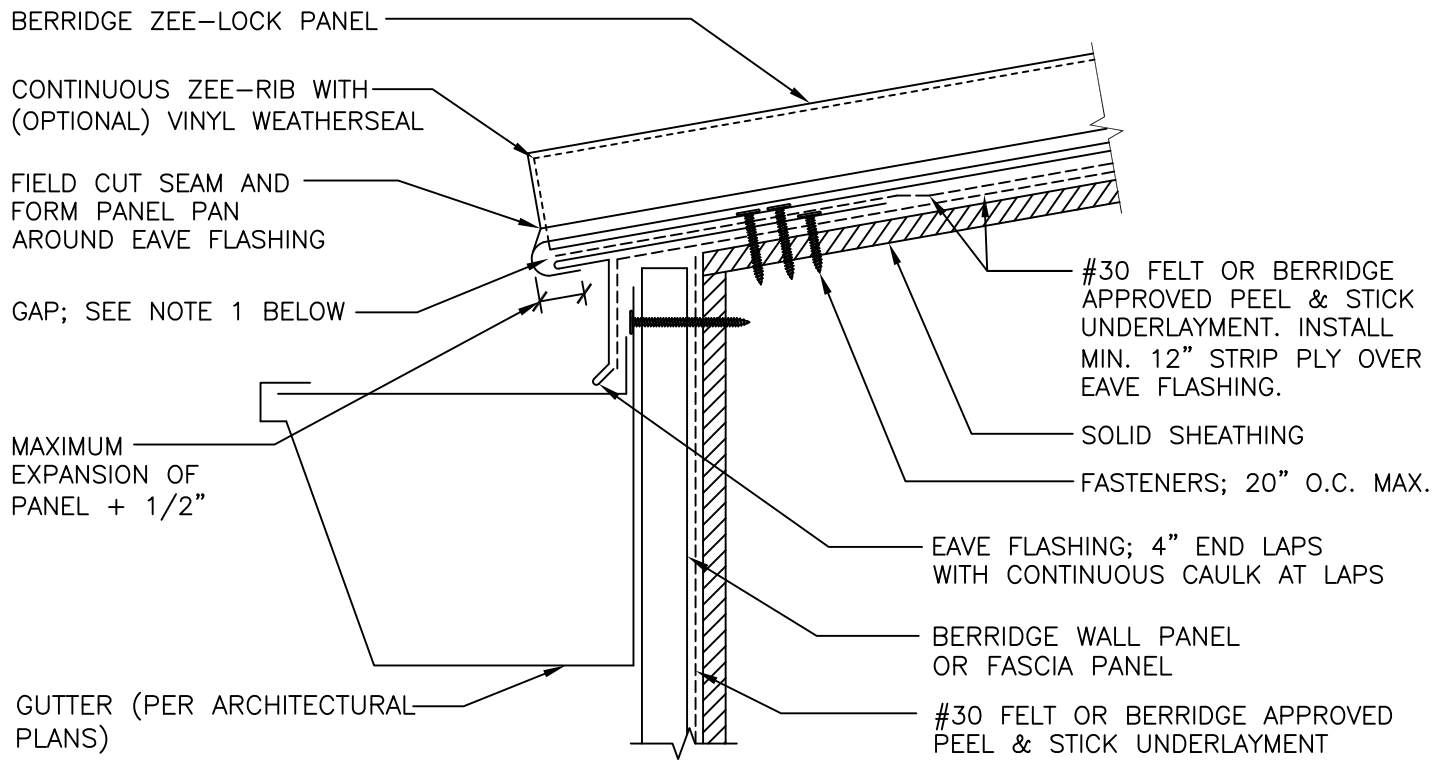
EAVE DETAIL; PANEL TURNDOWN  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

Z-11P

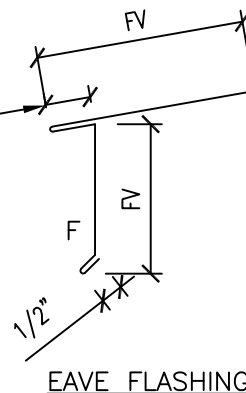


1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART (ZI-6)
2. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.
3. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
4. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, WOOD BLOCKING OR A MINIMUM 16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.
5. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

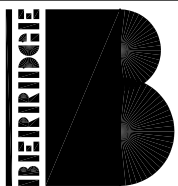
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY

MIN. 1" OR MAXIMUM EXPANSION OF PANEL + 1/2"



EAVE FLASHING



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

EAVE WITH GUTTER DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE  
Z-11PG

RIDGE/HIP CAP; 4" END LAPS WITH  
CONTINUOUS CAULK AT LAPS. POP RIVET  
TO ZEE CLOSURE 40" O.C. MAX.

CONTINUOUS MIN. 16 GA.  
SUB-FLASHING

ZEE CLOSURE CUT TO FIT  
BETWEEN SEAMS AT HIPS.  
USE Z-23 AT RIDGE

CONTINUOUS BEAD OF  
CAULK BETWEEN ZEE-LOCK  
PANEL AND ZEE CLOSURE

BERRIDGE  
ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB  
WITH VINYL WEATHERSEAL

FASTENERS; 20" O.C. MAX.

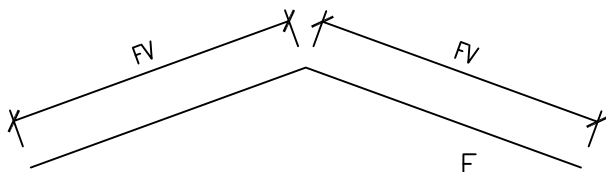
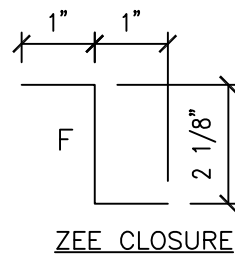
PURLINS

FASTENERS; MIN. 3  
PER ZEE CLOSURE

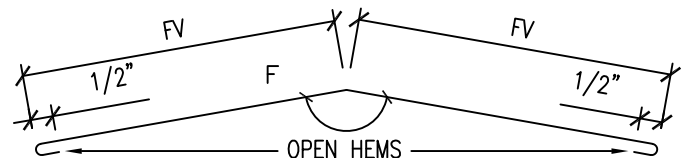
1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT  
BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

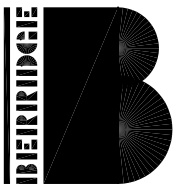
F = FINISH SIDE  
FV = FIELD VERIFY



MIN. 16 GA. SUB-FLASHING



RIDGE/HIP CAP



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

RIDGE/HIP DETAIL  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-20



RIDGE/HIP CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS AT HIP. USE Z-23 AT RIDGE

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS MIN 16 GA. SUB-FLASHING

CONTINUOUS BEAD OF CAULK BETWEEN ZEE-LOCK PANEL AND ZEE CLOSURE

THERMAL BLOCK BETWEEN ZEE-RIBS

FASTENERS; MIN. 3 PER ZEE CLOSURE

FASTENERS; 20" O.C. MAX.

1" WIDE DOUBLE SIDED TAPE

CONTINUOUS 3" ZEE-RIB WITH VINYL WEATHERSEAL

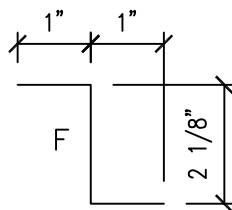
PURLINS

BATT INSULATION: STRIP AWAY 8" MINIMUM OF INSULATION AT PURLIN AND LAP PAPER, OR PLASTIC MEMBRANE OVER SUB-FLASHING

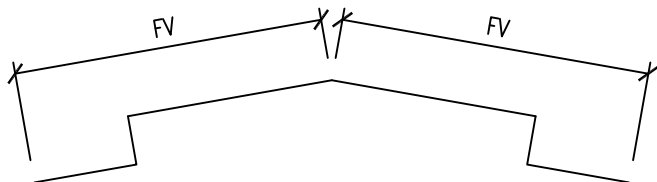
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

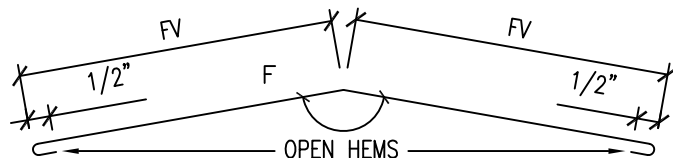
F = FINISH SIDE  
FV = FIELD VERIFY



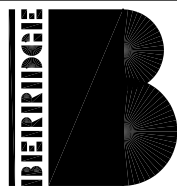
ZEE CLOSURE



MIN. 16 GA. SUB-FLASHING



RIDGE/HIP CAP



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

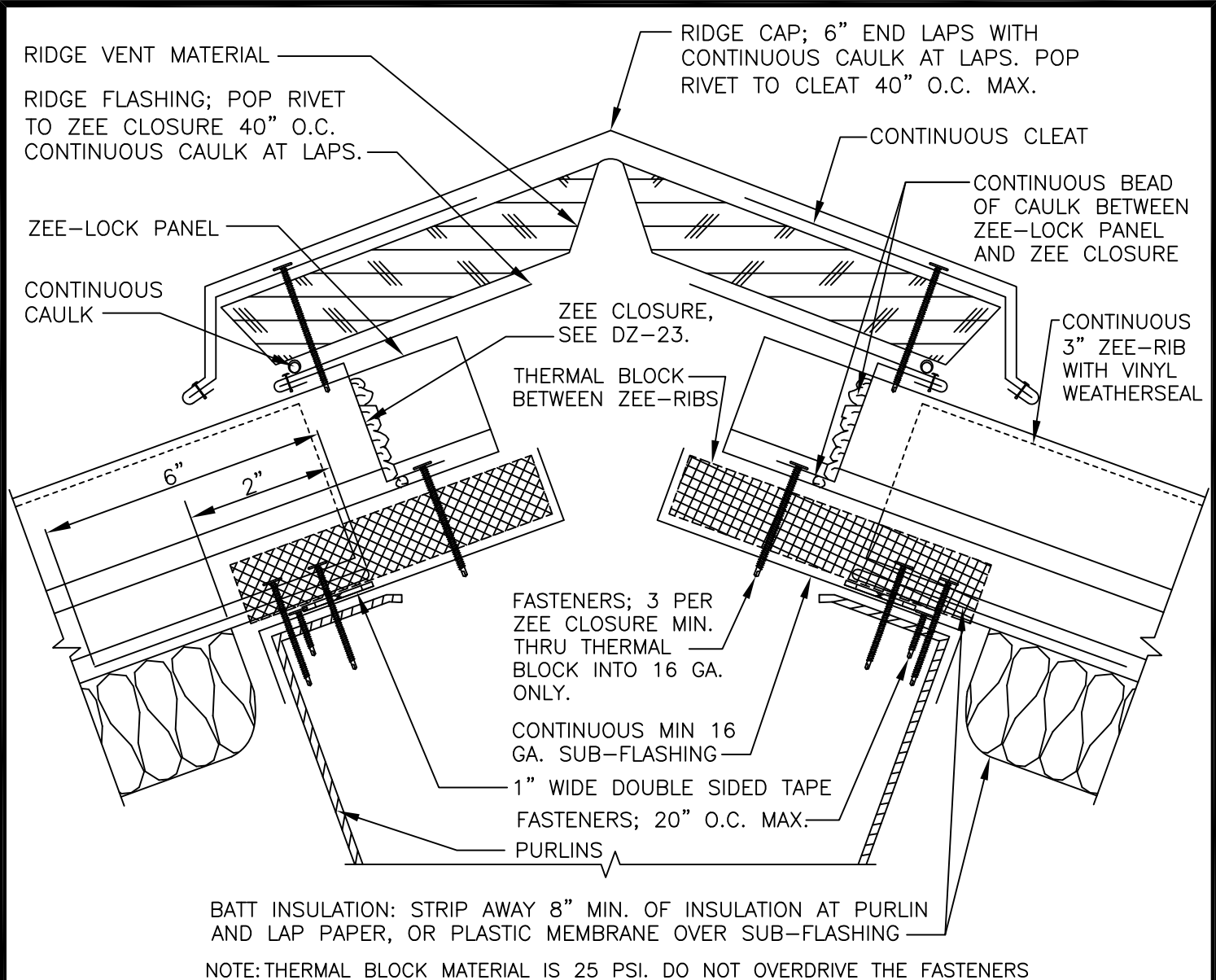
RIDGE/HIP DETAIL; 3" ZEE-RIB  
OPEN FRAMING

ZEE-LOCK PANEL

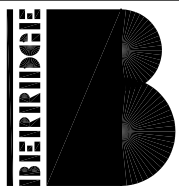
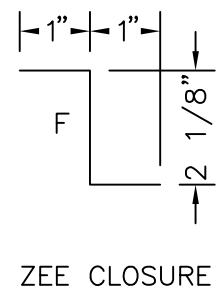
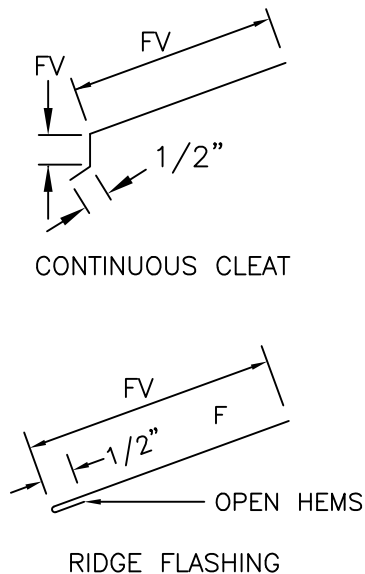
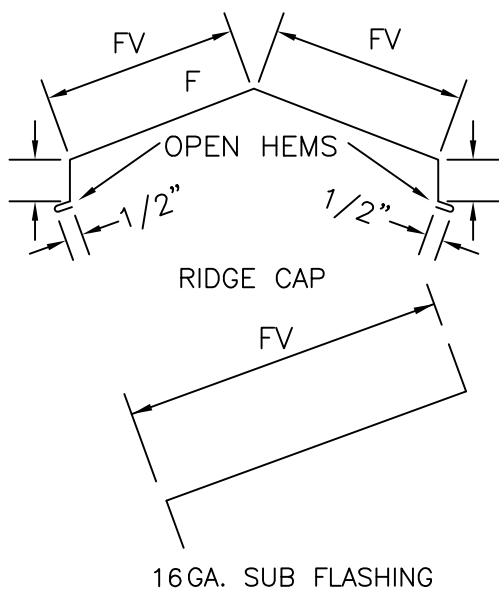
DATE: 5/23

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Z-20T



F = FINISH SIDE



**BERRIDGE**  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

VENTED RIDGE DETAIL; 3" ZEE-RIB  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-20TV

RIDGE/HIP CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS AT HIP. USE Z-23 AT RIDGE

BERRIDGE ZEE-LOCK PANEL

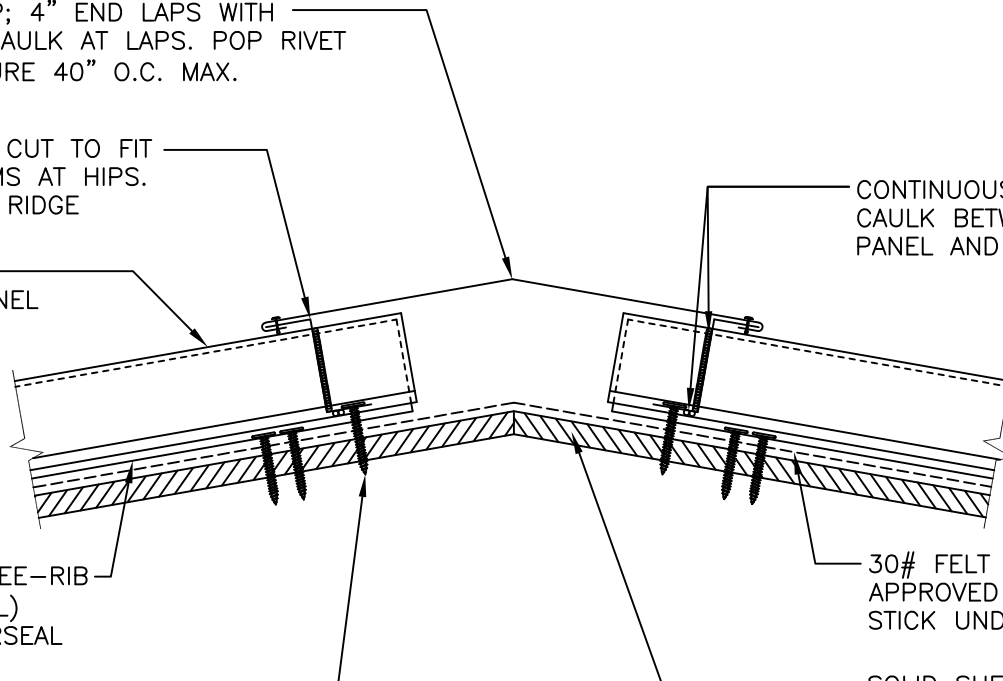
CONTINUOUS BEAD OF CAULK BETWEEN ZEE-LOCK PANEL AND ZEE CLOSURE

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

30# FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

FASTENERS; MIN. 3 PER ZEE CLOSURE

SOLID SHEATHING



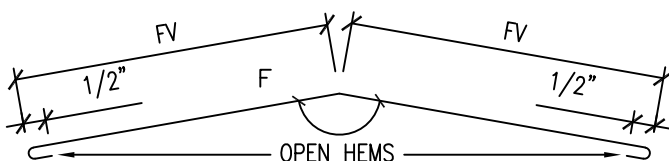
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, SUB-FLASHING WITH FASTENERS AT 20" O.C. MAX. IS REQUIRED.

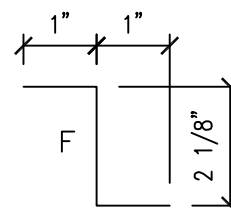
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

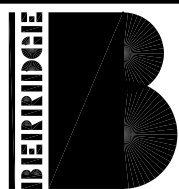
F = FINISH SIDE  
FV = FIELD VERIFY



RIDGE/HIP CAP



ZEE CLOSURE



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

RIDGE/HIP DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

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Z-21

RIDGE CAP; 6" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO CLEAT 40" O.C. MAX.

RIDGE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 40" O.C.

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS AT HIPS. USE Z-23 AT RIDGE

RIDGE VENT MATERIAL BY COR-A-VENT

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

FASTENERS; MIN. 3 PER ZEE CLOSURE

CONTINUOUS CLEAT

CONTINUOUS BEAD OF CAULK BETWEEN ZEE-LOCK PANEL AND ZEE CLOSURE

CONTINUOUS CAULK

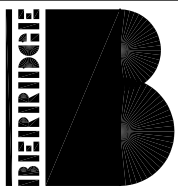
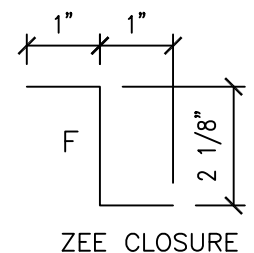
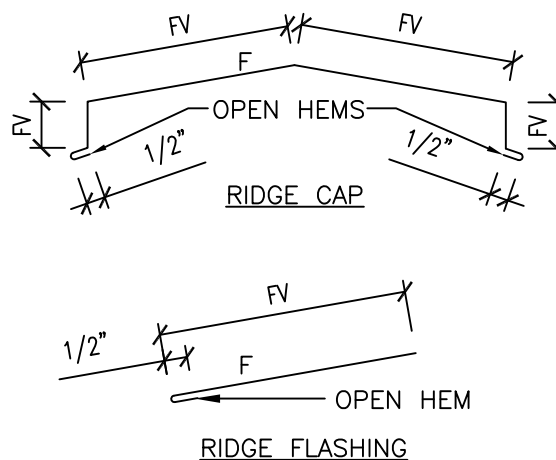
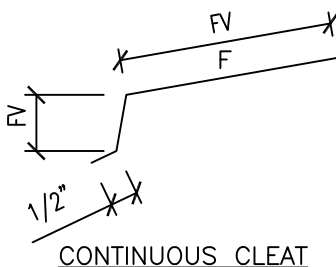
#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

SOLID SHEATHING

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. RIDGE VENT MATERIAL TO BE COR-A-VENT. FOR QUESTIONS CONTACT COR-A-VENT AT 800-837-8368
3. THIS DETAIL TO ONLY BE UTILIZED IN CONJUNCTION WITH A VENTED SOFFIT OR MEANS TO BALANCE THE AIR FLOW THROUGH THE SYSTEM.
4. WHILE A PROPERLY DESIGNED RIDGE VENT WITH WATER SHIELDING MATERIAL IS OF VITAL IMPORTANCE, OR EQUAL CONCERN IS THAT THE ARCHITECT DESIGN FOR PROPER AIR FLOW; OTHERWISE THE RIDGE VENT WILL NOT FUNCTION. POSITIVE, OUTWARD AIR FLOW FROM A RIDGE VENT IS BASED ON THE FACT THAT WARM AIR RISES AND THAT THERE IS ADEQUATE INCOMING AIR AT THE ATTIC LOW POINT.
5. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

VENTED RIDGE DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

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Z-21V

RIDGE CAP; 4" END LAPS WITH  
CONTINUOUS CAULK AT LAPS, POP RIVET  
TO ZEE CLOSURE/CLEAT 40" O.C. MAX.

ZEE CLOSURE; USE Z-23 AT  
RIDGE. CUT TO FIT BETWEEN  
SEAMS AT SKEWED AREAS.

CONTINUOUS ZEE-RIB WITH  
(OPTIONAL) VINYL WEATHERSEAL

CONTINUOUS BEAD  
OF CAULK BETWEEN  
ZEE CLOSURE AND  
ZEE-LOCK PANEL.

SOLID SHEATHING

FASTENERS; MIN. 3 PER ZEE CLOSURE

BERRIDGE  
ZEE-LOCK PANEL

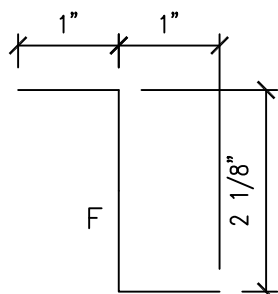
30# FELT OR BERRIDGE  
APPROVED PEEL &  
STICK UNDERLAYMENT.  
LAP OVER RIDGE

CONTINUOUS CLEAT  
WITH FASTENERS 20"  
O.C. MAX.

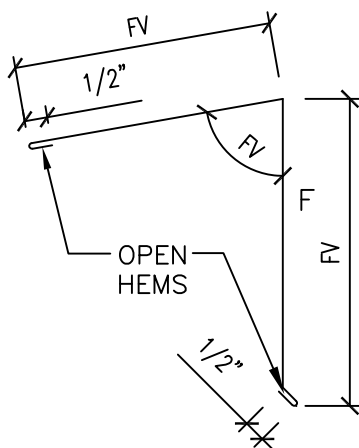
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, WOOD BLOCKING OR A MINIMUM 16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

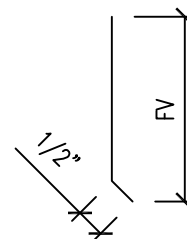
F = FINISH SIDE  
FV = FIELD VERIFY



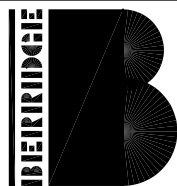
ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

SHED RIDGE DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

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Z-22

RIDGE CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; USE Z-23 AT RIDGE. CUT TO FIT BETWEEN SEAMS AT SKEWED AREAS.

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL.

SOLID SHEATHING

FASTENERS; MIN. 3 PER ZEE CLOSURE

FASTENERS; 20" O.C. MAX.

BERRIDGE ZEE-LOCK PANEL

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. LAP OVER RIDGE

CONTINUOUS CLEAT

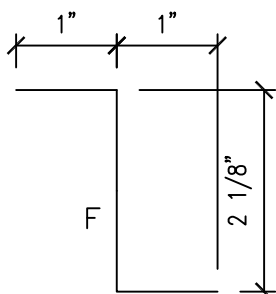
FASCIA FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

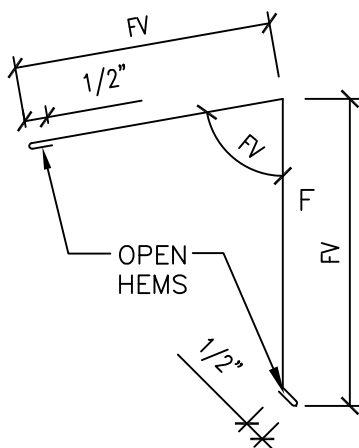
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

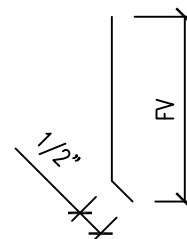
F = FINISH SIDE  
FV = FIELD VERIFY



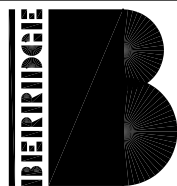
ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

SHED RIDGE DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

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Z-22F

RIDGE CAP; 4" END LAPS WITH  
CONTINUOUS CAULK AT LAPS, POP RIVET  
TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; USE Z-23 AT  
RIDGE. CUT TO FIT BETWEEN  
SEAMS AT SKEWED AREAS.

CONTINUOUS ZEE-RIB  
WITH VINYL WEATHERSEAL

CONTINUOUS BEAD  
OF CAULK BETWEEN  
ZEE CLOSURE AND  
ZEE-LOCK PANEL.

PURLIN

FASTENERS; MIN. 3 PER ZEE CLOSURE

FASTENERS 20" O.C. MAX.

BERRIDGE  
ZEE-LOCK PANEL

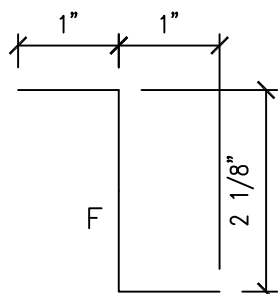
CONTINUOUS CLEAT

BERRIDGE WALL PANEL  
OR FASCIA PANEL

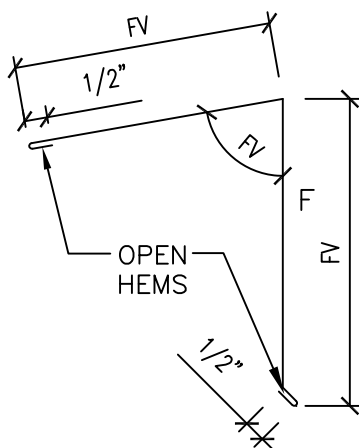
1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT  
BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

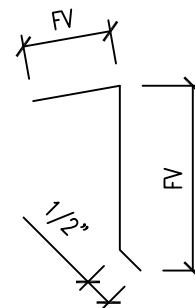
F = FINISH SIDE  
FV = FIELD VERIFY



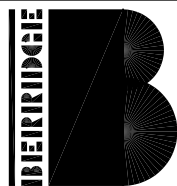
ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

SHED RIDGE DETAIL  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-220P

ZEE CLOSURE; USE Z-23 AT RIDGE. CUT TO FIT BETWEEN SEAMS AT SKEWED AREAS.

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS 3" ZEE-RIB WITH VINYL WEATHERSEAL

THERMAL BLOCK BETWEEN ZEE-RIBS

BATT INSULATION: STRIP AWAY 8" MINIMUM OF INSULATION AT PURLIN AND LAP PAPER, OR PLASTIC MEMBRANE OVER SUB-FLASHING

CONTINUOUS MIN 16 GA. SUB-FLASHING

FASTENERS 20" O.C. MAX.

1" WIDE DOUBLE SIDED TAPE

RIDGE CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL.

FASTENERS; MIN. 3 PER ZEE CLOSURE

CONTINUOUS CLEAT

FASTENERS; 20" O.C. MAX.

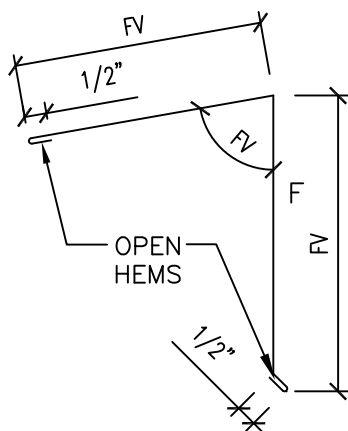
FASCIA FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

PURLIN

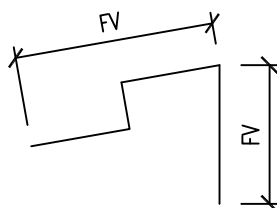
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

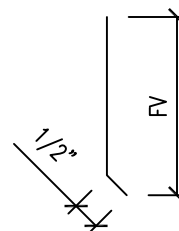
F = FINISH SIDE  
FV = FIELD VERIFY



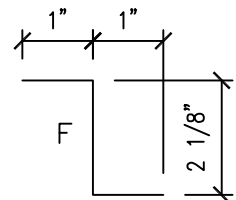
RIDGE CAP



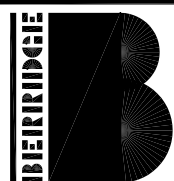
MIN. 16 GA. SUB-FLASHING



CONTINUOUS CLEAT



ZEE CLOSURE



Roofs of Distinction

BERRIDGE  
MANUFACTURING  
COMPANY

SHED RIDGE DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

DATE: 5/23

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Z-220T



RIDGE CAP; 4" END LAPS WITH  
CONTINUOUS CAULK AT LAPS, POP RIVET  
TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; USE Z-23 AT  
RIDGE. CUT TO FIT BETWEEN  
SEAMS AT SKEWED AREAS.

CONTINUOUS ZEE-RIB  
WITH (OPTIONAL) VINYL  
WEATHERSEAL

CONTINUOUS BEAD  
OF CAULK BETWEEN  
ZEE CLOSURE AND  
ZEE-LOCK PANEL.

SOLID SHEATHING

FASTENERS; MIN. 3 PER ZEE CLOSURE

FASTENERS 20" O.C. MAX.

BERRIDGE WALL PANEL OR FASCIA PANEL

BERRIDGE  
ZEE-LOCK PANEL

#30 FELT OR BERRIDGE  
APPROVED PEEL &  
STICK UNDERLAYMENT  
INSTALL MIN. 12" STRIP  
PLY

CONTINUOUS CLEAT

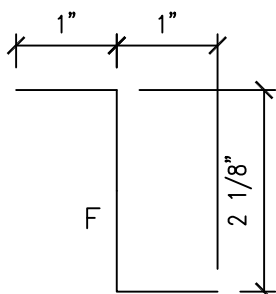
#30 FELT OR BERRIDGE  
APPROVED PEEL &  
STICK UNDERLAYMENT.  
LAP OVER RIDGE

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

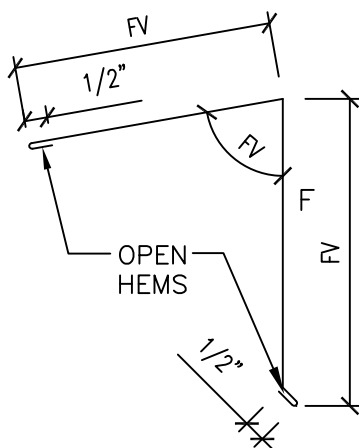
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

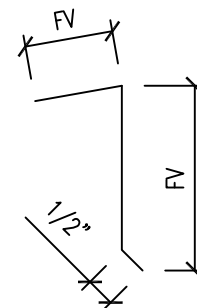
F = FINISH SIDE  
FV = FIELD VERIFY



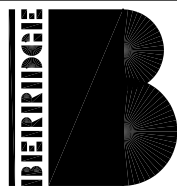
ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

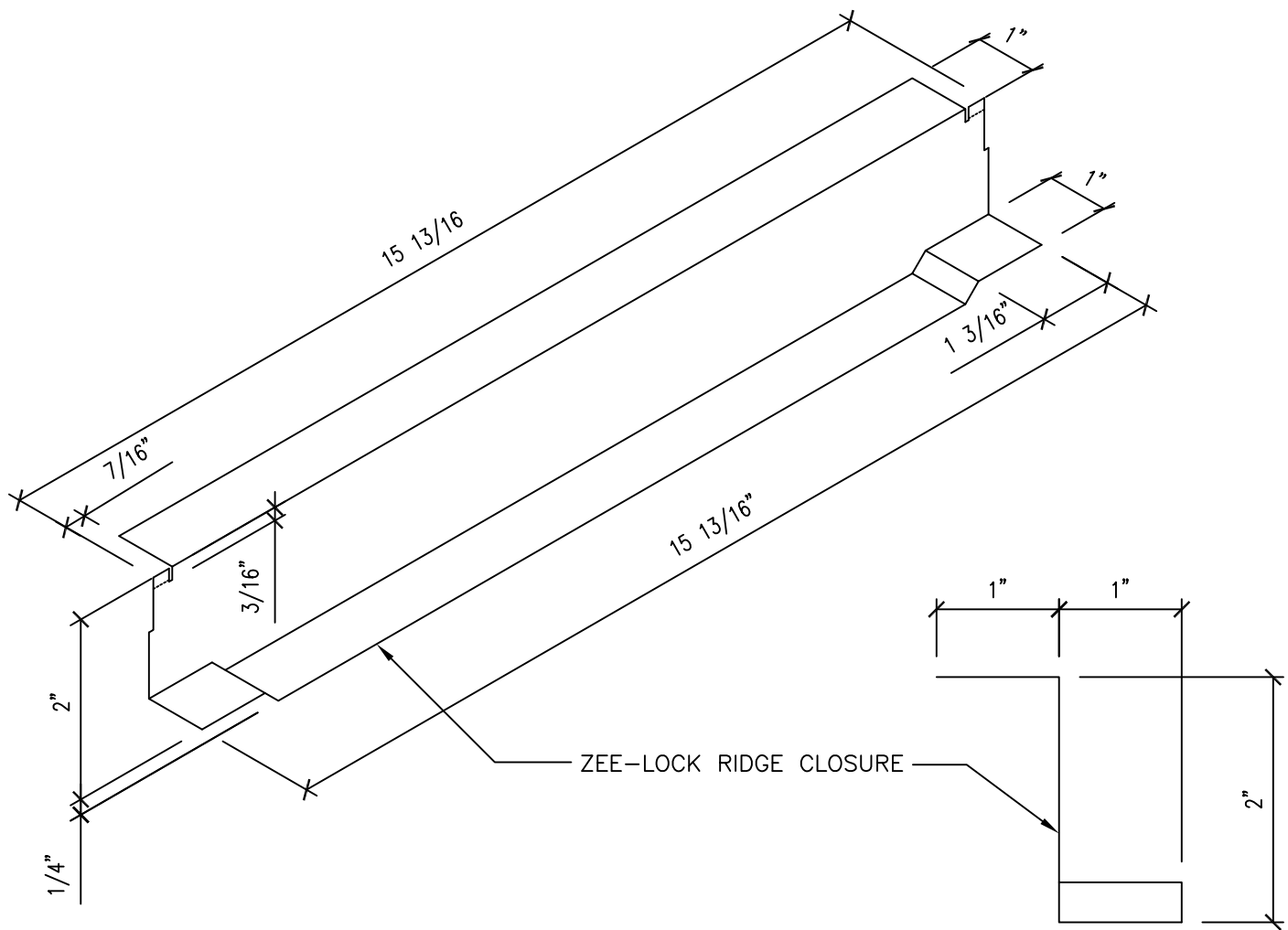
SHED RIDGE DETAIL  
SOLID SHEATHING

ZEE-LOCK PANEL

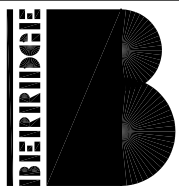
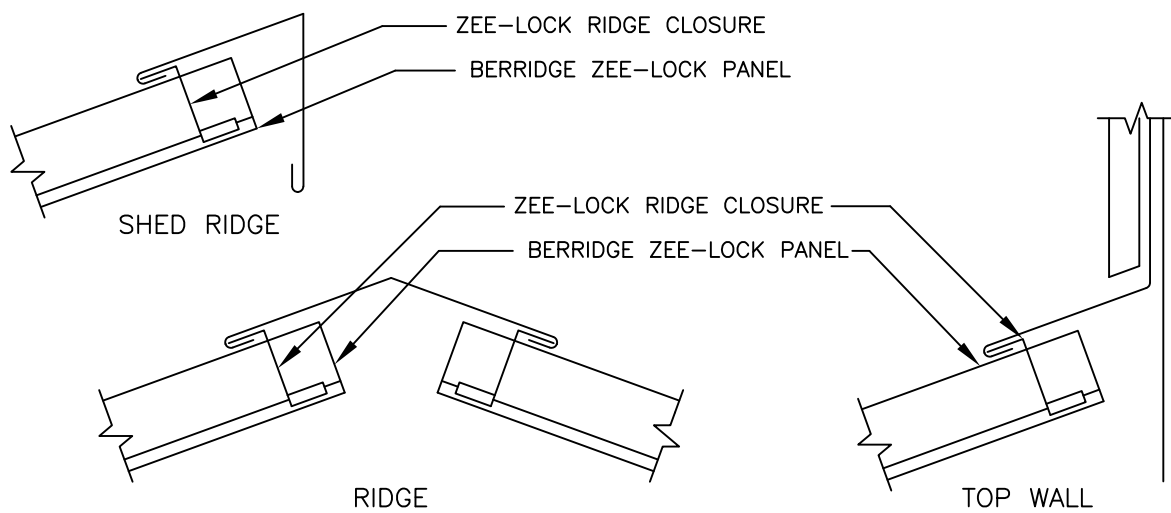
DATE: 5/23

PAGE\FILE

Z-22P



1. ZEE CLOSURE IS DIE FORMED TO FIT PERPENDICULARLY BETWEEN PANEL SEAMS.



*Roofs of Distinction*

ZEE-LOCK  
RIDGE CLOSURE

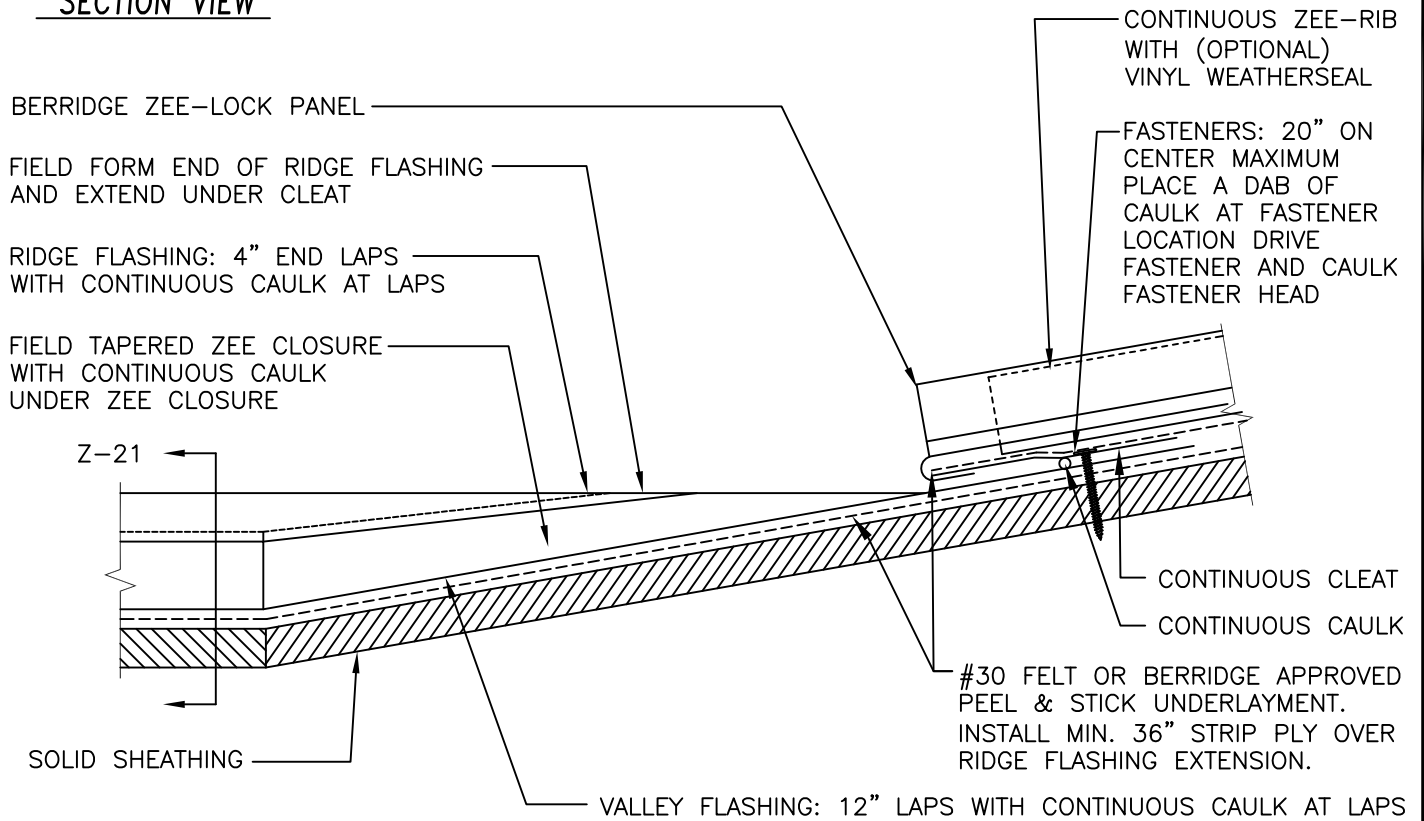
ZEE-LOCK PANEL

DATE: 5/23

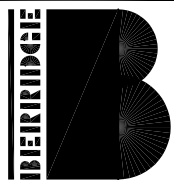
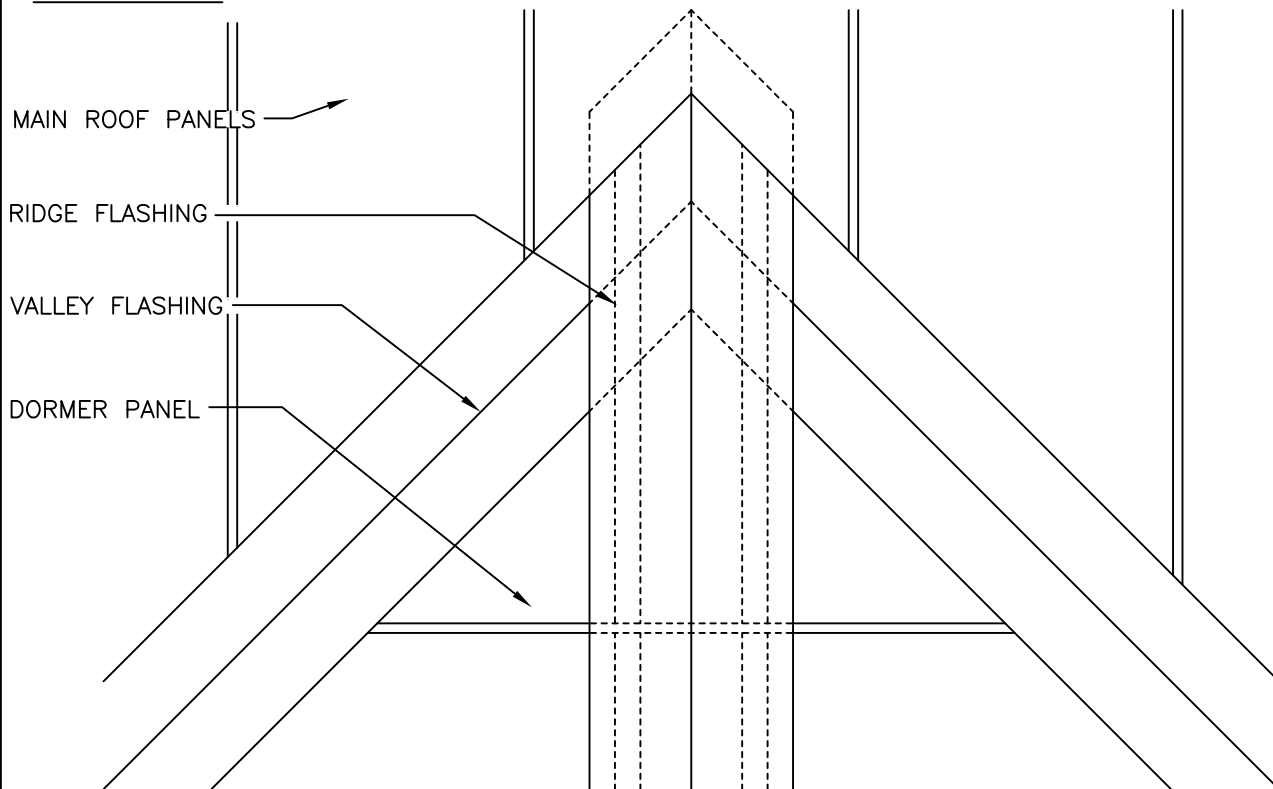
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Z-23

## SECTION VIEW



## PLAN VIEW



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

RIDGE TERMINATION  
SLOPES LESS THAN 3:12

ZEE-LOCK PANEL

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## SECTION VIEW

COVER TRIM: FIELD FORM COVER TRIM AND EXTEND UNDER PANEL. TAB OVER RIDGE FLASHING. SET IN CAULK AND FASTEN WITH S.S. RIVETS.

RIDGE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

FIELD TAPERED ZEE CLOSURE WITH CONTINUOUS CAULK UNDER ZEE CLOSURE

Z-21

VALLEY FLASHING; 12" LAPS WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 36" STRIP PLY OVER COVER TRIM FLASHING.

CONTINUOUS CLEAT

FASTENERS; 20" O.C. MAX. PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

CONTINUOUS CAULK

SOLID SHEATHING

## PLAN VIEW

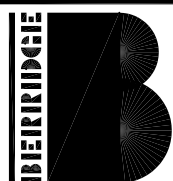
MAIN ROOF PANELS

RIDGE FLASHING

VALLEY FLASHING

DORMER PANEL

TAB RIDGE FLASHING AND SET IN CAULK AT VALLEY INTERSECTION.



*Roofs of Distinction*

BERRIDGE  
MANUFACTURING  
COMPANY

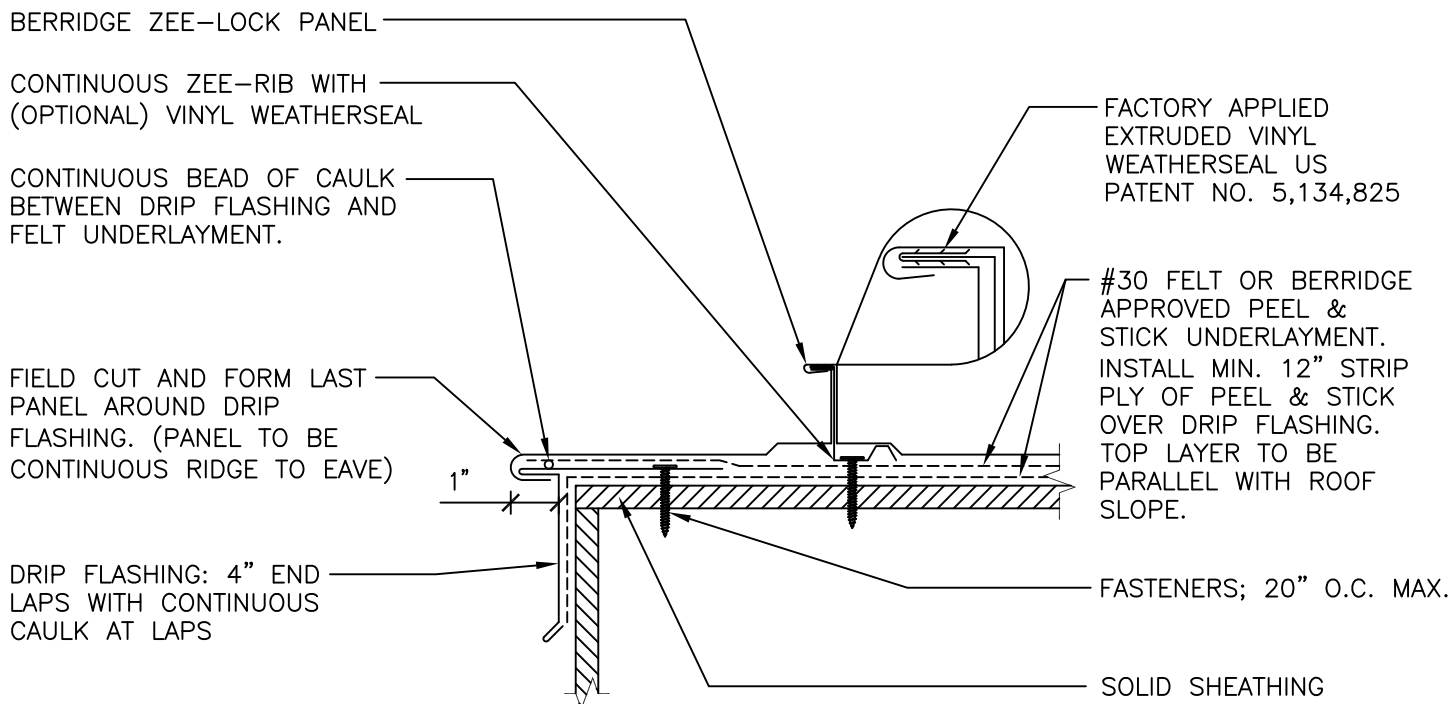
RIDGE TERMINATION  
SLOPES GREATER THAN 3:12

ZEE-LOCK PANEL

DATE: 5/23

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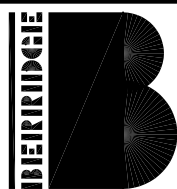
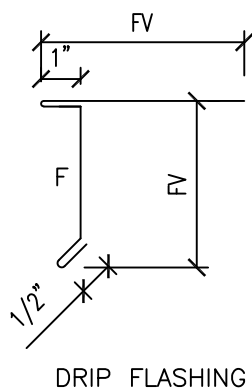
Z-24A



1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, WOOD BLOCKING OR A MINIMUM 16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

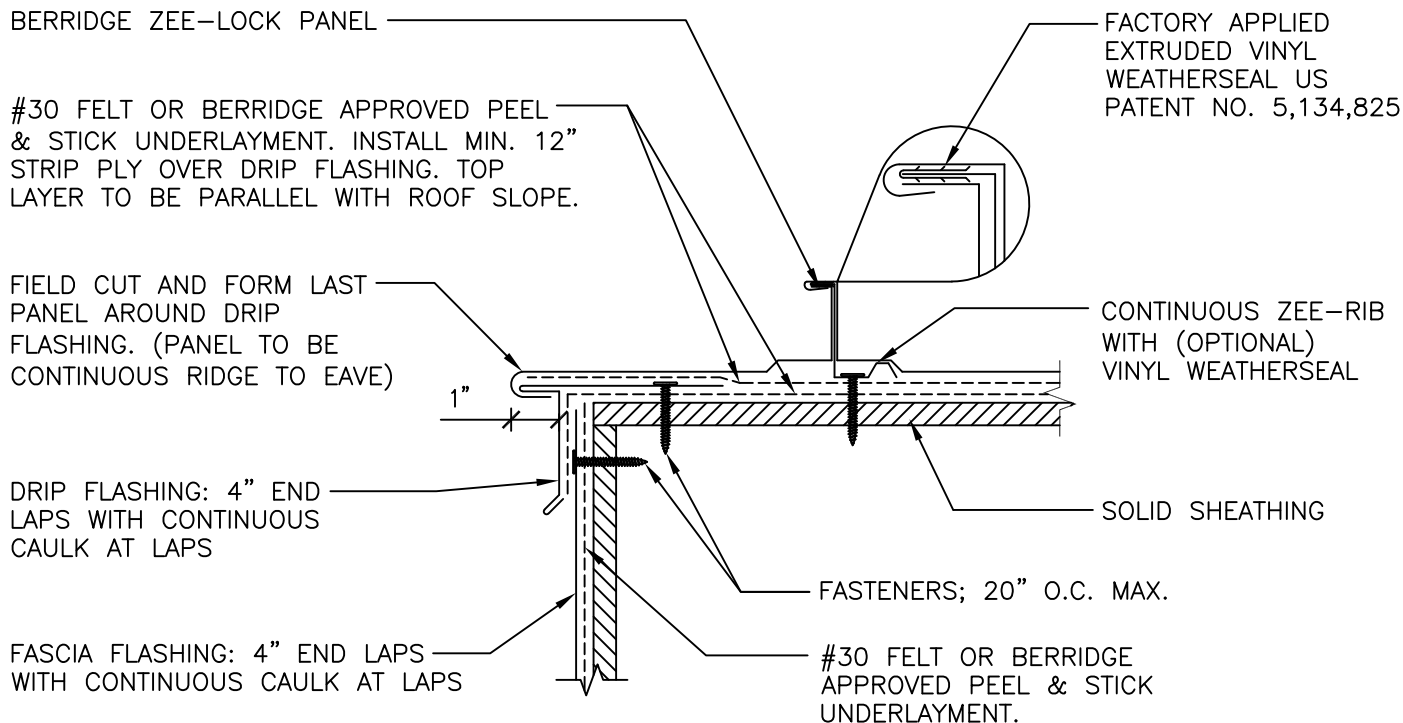
GABLE DETAIL  
PANEL TURNDOWN  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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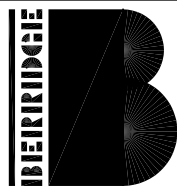
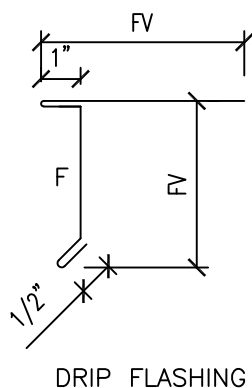
Z-30



1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
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**BERRIDGE**  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

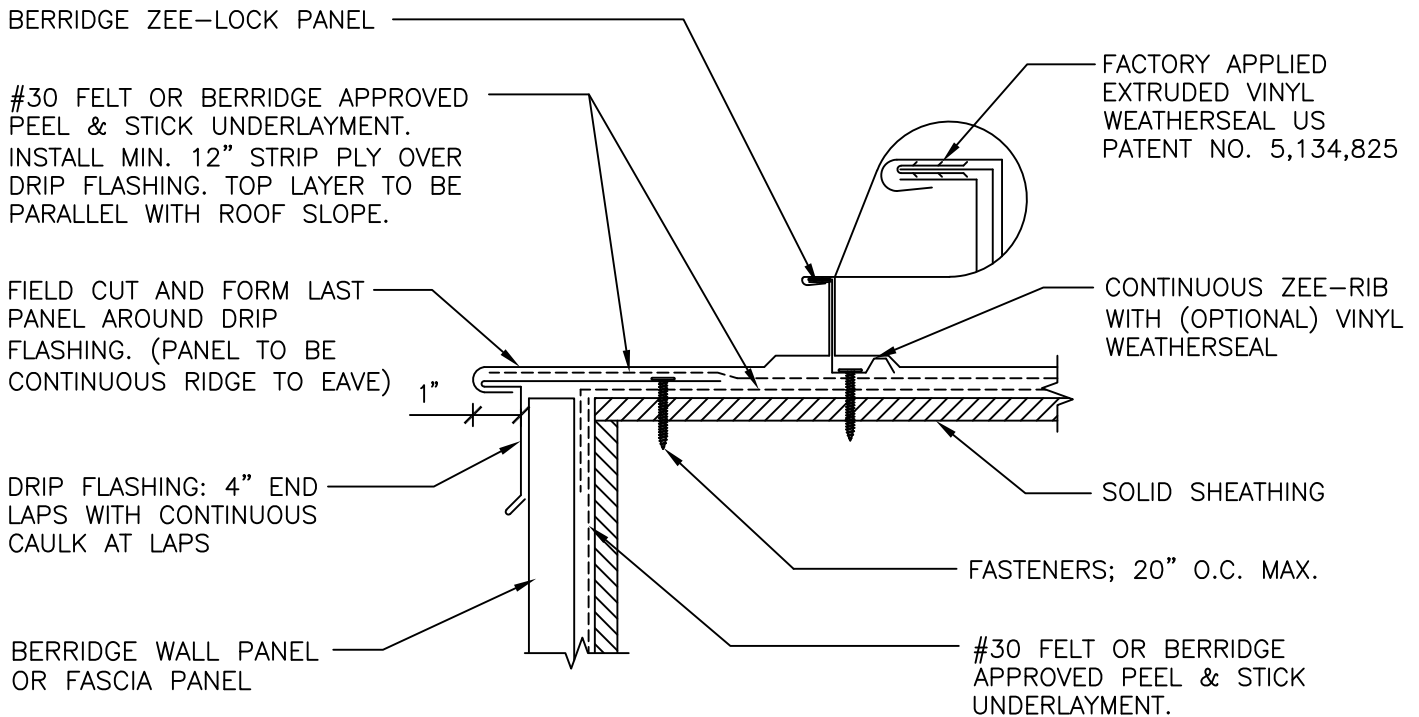
GABLE DETAIL WITH FASCIA  
FLASHING; PANEL TURNDOWN  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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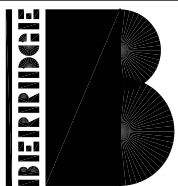
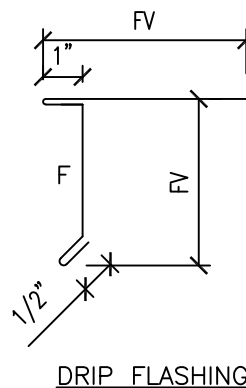
Z-30F



1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
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**BERRIDGE**  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

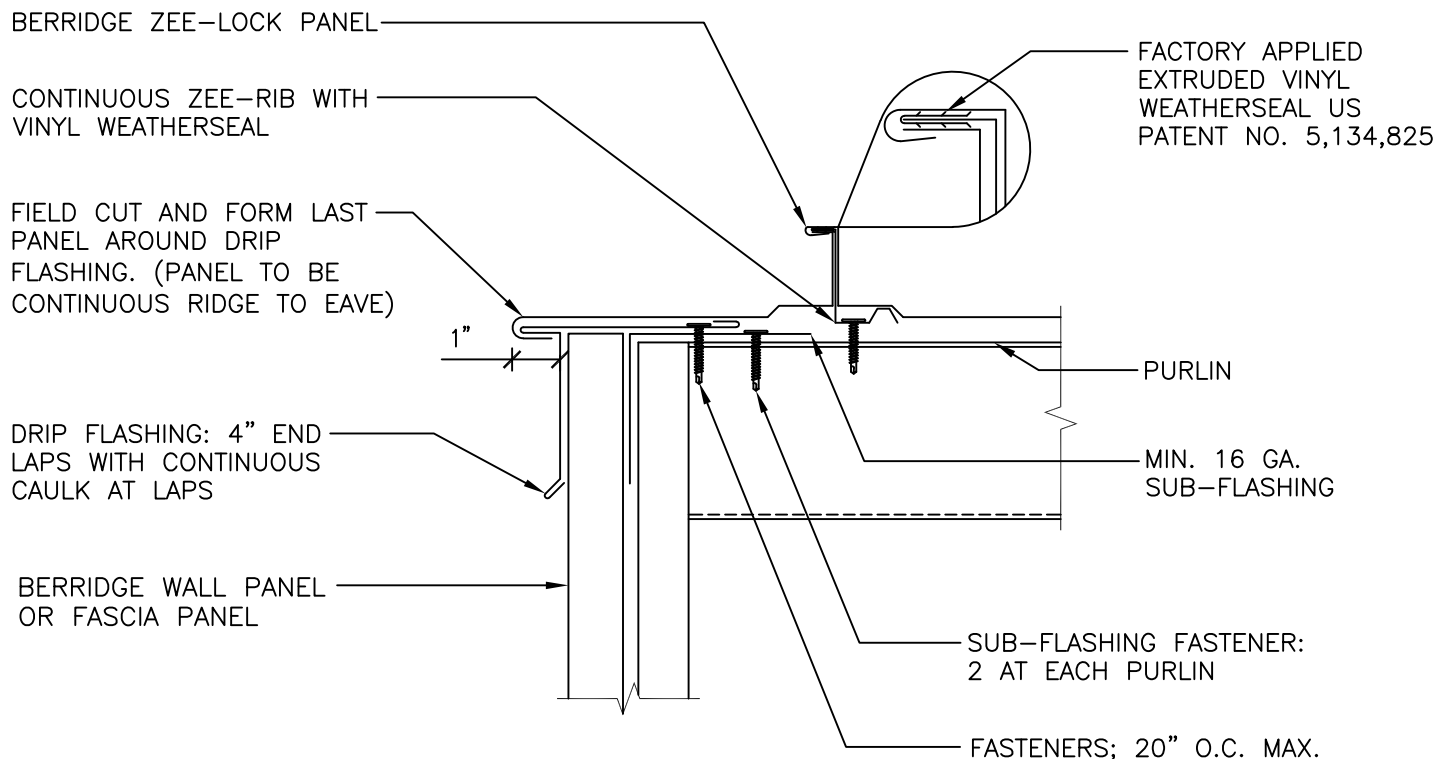
GABLE DETAIL W/ WALL PANEL  
PANEL TURNDOWN  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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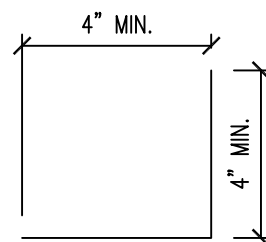
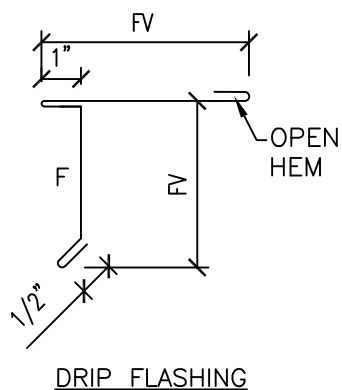
Z-30P



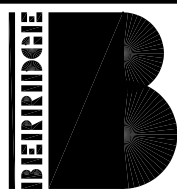
1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



MIN. 16 GA. SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

GABLE DETAIL  
PANEL TURNDOWN  
OPEN FRAMING

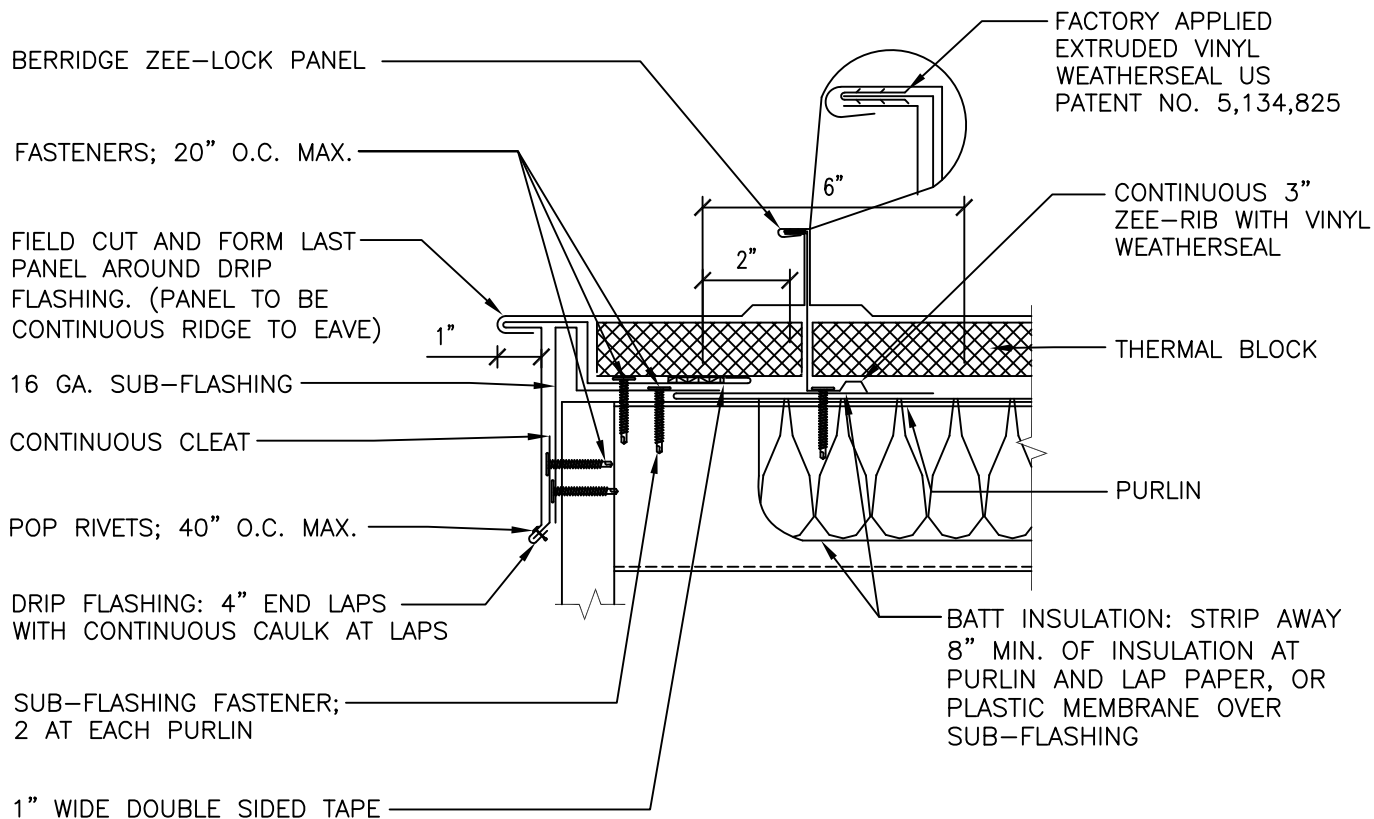
ZEE-LOCK PANEL

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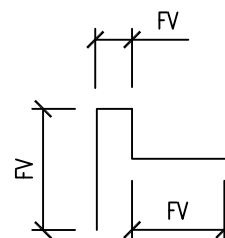
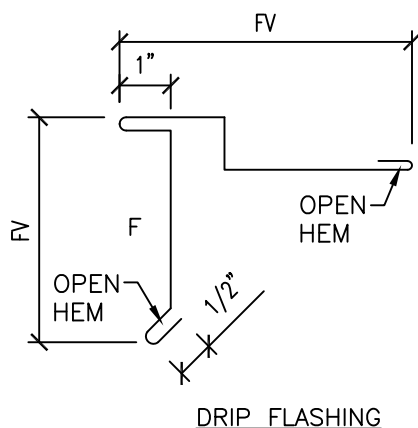




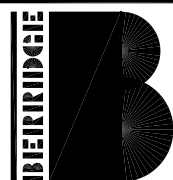
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

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F = FINISH SIDE  
FV = FIELD VERIFY



MIN. 16 GA. SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

GABLE DETAIL; 3" ZEE-RIB  
PANEL TURNDOWN  
OPEN FRAMING

ZEE-LOCK PANEL

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CLOSURE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL, TURN UP INTO CLOSURE FLASHING, PANEL TO BE CONTINUOUS RIDGE TO EAVE

30# FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OF PEEL & STICK OVER CLOSURE FLASHING. TOP LAYER TO BE PARALLEL WITH ROOF SLOPE.

SOLID SHEATHING

FASTENERS; 20" O.C. MAX. STAGGERED. PLACE A DAB OF CAULK AT FASTENER LOCATION. DRIVE FASTENER AND CAULK FASTENER HEADS

FASTENERS; 20" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS CLEAT

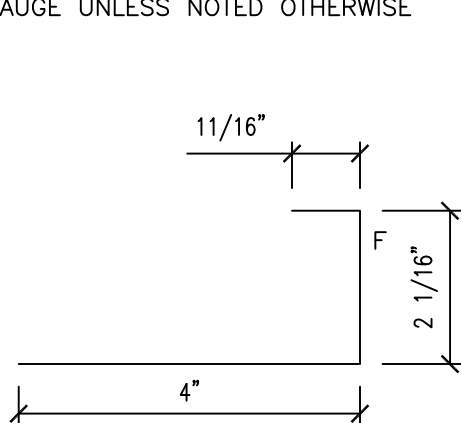
POP RIVETS; 40" O.C. MAX.

DRIP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

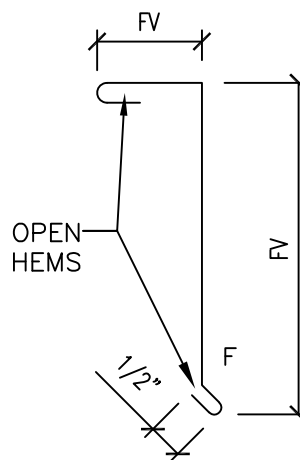
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

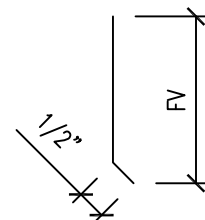
F = FINISH SIDE  
FV = FIELD VERIFY



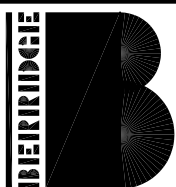
CLOSURE FLASHING



DRIP FLASHING



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

GABLE DETAIL  
CLOSURE FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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CLOSURE FLASHING; 4" END LAPS  
WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL, TURN UP  
INTO CLOSURE FLASHING, PANEL TO BE  
CONTINUOUS RIDGE TO EAVE

#30 FELT OR BERRIDGE  
APPROVED PEEL & STICK  
UNDERLAYMENT. INSTALL  
MIN. 12" STRIP PLY OVER  
CLOSURE FLASHING. TOP  
LAYER TO BE PARALLEL  
WITH ROOF SLOPE.

SOLID SHEATHING

FASTENERS; 20" O.C. MAX. STAGGERED. PLACE  
A DAB OF CAULK AT FASTENER LOCATION.  
DRIVE FASTENER AND CAULK FASTENER HEADS

FASTENERS; 20" O.C. MAX.

FASCIA FLASHING: 4" END LAPS  
WITH CONTINUOUS CAULK AT LAPS

CONTINUOUS BEAD OF  
CAULK

CONTINUOUS CLEAT

POP RIVETS;  
40" O.C. MAX.

DRIP FLASHING; 4"  
END LAPS WITH  
CONTINUOUS CAULK  
AT LAPS

#30 FELT OR BERRIDGE  
APPROVED PEEL &  
STICK UNDERLAYMENT.

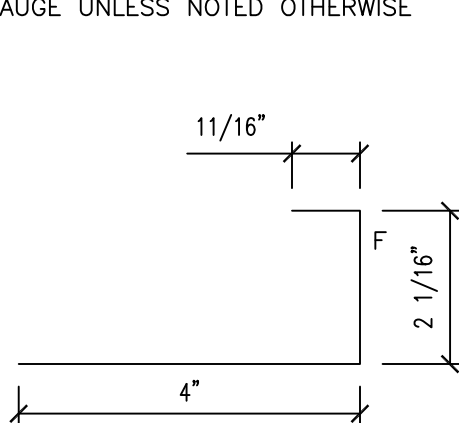
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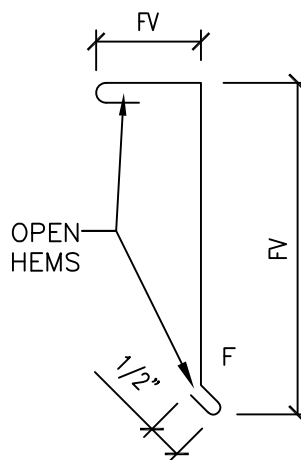
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NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

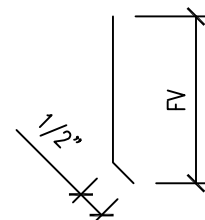
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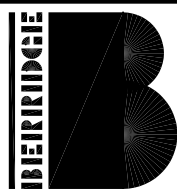
CLOSURE FLASHING



DRIP FLASHING



CONTINUOUS CLEAT



**BERRIDGE**  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

GABLE DETAIL WITH FASCIA  
FLASHING; CLOSURE FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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CLOSURE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL, TURN UP INTO CHANNEL, PANEL TO BE CONTINUOUS RIDGE TO EAVE

MIN. 16 GA. SUB-FLASHING

PURLIN

SUB-FLASHING FASTENER: 2 AT EACH PURLIN

FASTENERS; 20" O.C. MAX. STAGGERED. PLACE A DAB OF CAULK AT FASTENER LOCATION. DRIVE FASTENER AND CAULK FASTENER HEADS

DRIP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

CONTINUOUS BEAD OF CAULK

FASTENERS 20" O.C. MAX.

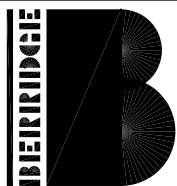
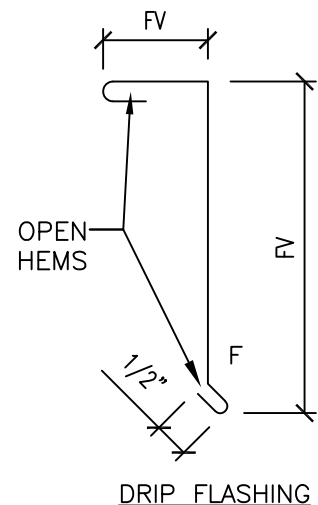
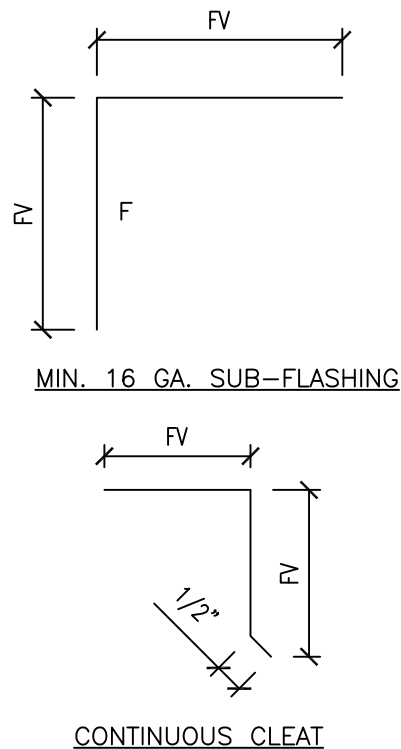
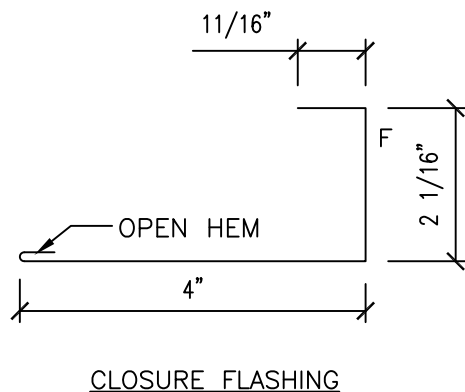
POP RIVETS; 40" O.C. MAX.

CONTINUOUS CLEAT

1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

GABLE DETAIL  
CLOSURE FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

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CLOSURE FLASHING; 4" END LAPS  
WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL, TURN UP  
INTO CLOSURE FLASHING, PANEL TO BE  
CONTINUOUS RIDGE TO EAVE

#30 FELT OR BERRIDGE  
APPROVED PEEL & STICK  
UNDERLAYMENT. INSTALL  
MIN. 12" STRIP PLY OVER  
CLOSURE FLASHING. TOP  
LAYER TO BE PARALLEL  
WITH ROOF SLOPE.

SOLID SHEATHING

FASTENERS; 20" O.C. MAX. STAGGERED. PLACE  
A DAB OF CAULK AT FASTENER LOCATION.  
DRIVE FASTENER AND CAULK FASTENER HEADS

FASTENERS; 20" O.C. MAX.

#30 FELT OR BERRIDGE APPROVED PEEL & STICK  
UNDERLAYMENT.

CONTINUOUS BEAD OF  
CAULK

CONTINUOUS CLEAT

POP RIVETS;  
40" O.C. MAX.

DRIP FLASHING; 4"  
END LAPS WITH  
CONTINUOUS CAULK  
AT LAPS

BERRIDGE WALL PANEL  
OR FASCIA PANEL

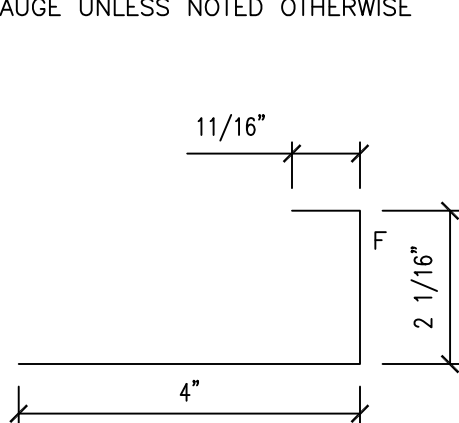
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16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.

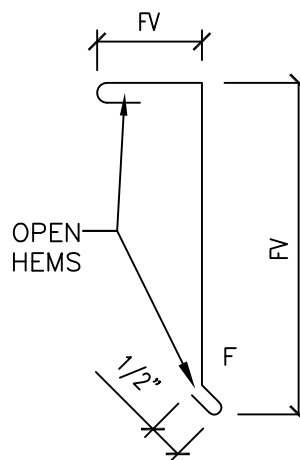
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NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

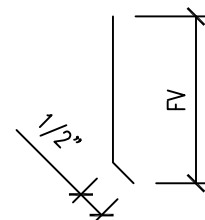
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FV = FIELD VERIFY



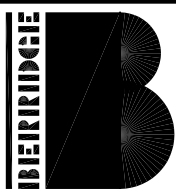
CLOSURE FLASHING



DRIP FLASHING



CONTINUOUS CLEAT



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

GABLE DETAIL W/ WALL PANEL  
CLOSURE FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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Z-33CP

CLOSURE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ZEE-LOCK PANEL, TURN UP INTO CHANNEL, PANEL TO BE CONTINUOUS RIDGE TO EAVE

MIN. 16 GA. SUB-FLASHING

THERMAL BLOCK

PURLIN

BATT INSULATION: STRIP AWAY 8" MIN. OF INSULATION AT PURLIN AND LAP PAPER, OR PLASTIC MEMBRANE OVER SUB-FLASHING

SUB-FLASHING FASTENER: 2 AT EACH PURLIN

6"

2"

DRIP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

CONTINUOUS BEAD OF CAULK

FASTENERS 20" O.C. MAX.

POP RIVETS; 40" O.C. MAX.

CONTINUOUS CLEAT

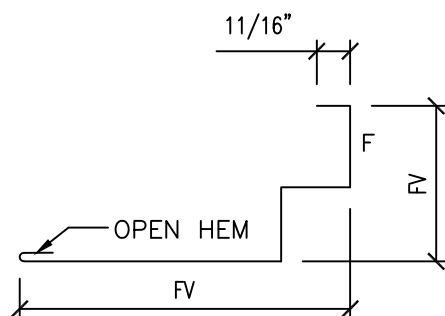
FASTENERS; 20" O.C. MAX. STAGGERED. PLACE A DAB OF CAULK AT FASTENER LOCATION. DRIVE FASTENER AND CAULK FASTENER HEADS

1" WIDE DOUBLE SIDED TAPE

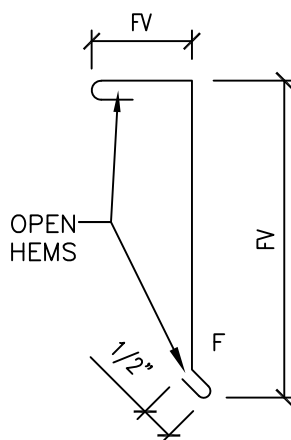
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

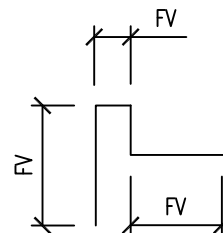
F = FINISH SIDE  
FV = FIELD VERIFY



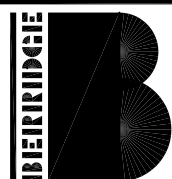
CLOSURE FLASHING



DRIP FLASHING



MIN. 16 GA. SUB-FLASHING



Roofs of Distinction

BERRIDGE  
MANUFACTURING  
COMPANY

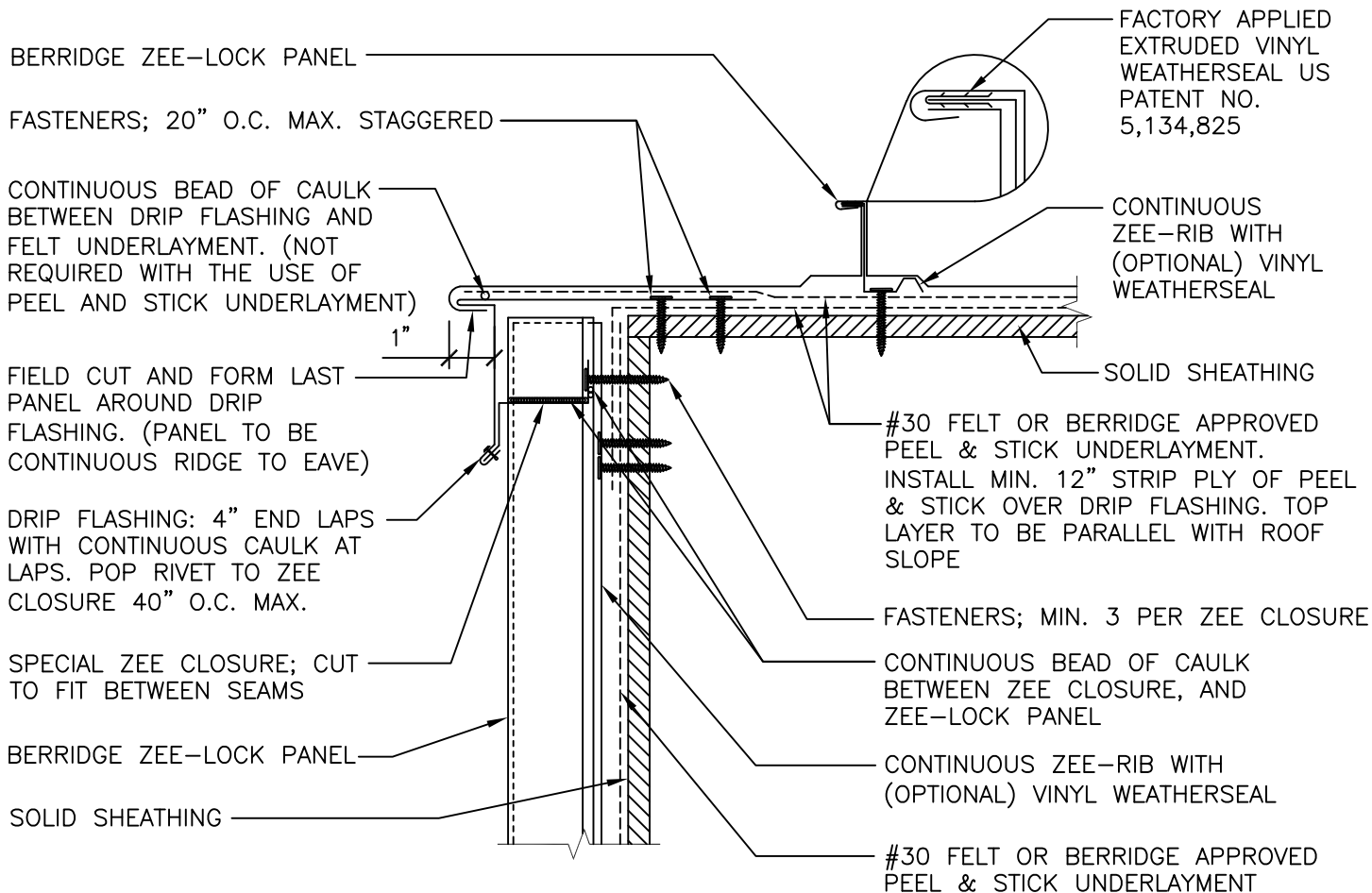
GABLE DETAIL; 3" ZEE-RIB  
CLOSURE FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

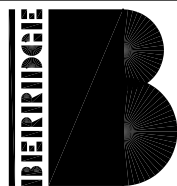
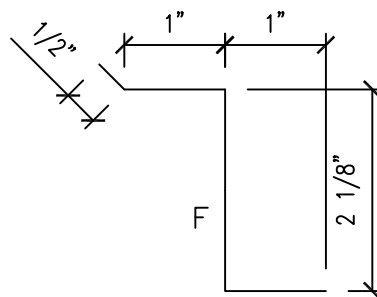
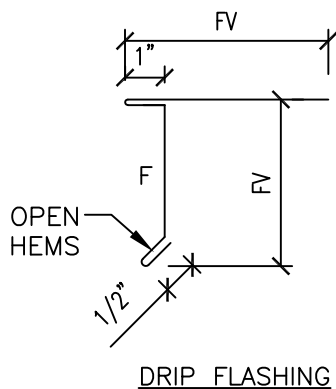
Z-33T



1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. WHEN THIS DETAIL IS USED DIRECTLY OVER RIGID INSULATION, WOOD BLOCKING OR A MINIMUM 16 GA. SUPPORT IS REQUIRED FOR THE STRUCTURAL ATTACHMENT OF FASTENERS.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

GABLE DETAIL  
ZL WALL PANEL  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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Z-35

CHANNEL CLOSURE AS PER DETAIL  
Z-33C END CHANNEL CLOSURE AT  
INTERSECTION OF HIP AND GABLE  
AREA

HEAD WALL FLASHING; 4" LAPS WITH  
CONTINUOUS CAULK AT LAPS (LOW) POP  
RIVET TO ZEE-CLOSURE 40" O.C.; CAULK  
RIVET HEADS (REF. DETAIL Z-51PS)

GABLE FLASHING; 4" END LAPS  
WITH CONTINUOUS CAULK AT LAPS  
(REF. DETAIL Z-33C)

CONTINUOUS BEAD OF  
CAULK AT CHANNEL AND  
ZEE CLOSURE LAP

MITER CUT ZEE CLOSURE

MITER CUT ZEE CLOSURE;  
ZEE-CLOSURE TO TUCK IN BEHIND  
CHANNEL CLOSURE AND BE SET INTO  
A BEAD OF CONTINUOUS CAULK, ALSO  
CAULK UNDER ZEE CLOSURE, AND  
BETWEEN ZEE-CLOSURE AND  
CHANNEL CLOSURE.

CONTINUOUS BEAD OF CAULK AT  
INTERSECTIONS OF HEAD WALL FLASHING,  
HIP CAP, AND GABLE FLASHING.

HIP CAP; 4" LAPS WITH CONTINUOUS  
CAULK AT LAPS POP RIVET TO  
ZEE-CLOSURE 40" O.C.; CAULK RIVET  
HEADS (REF. DETAIL Z-21)

LAST PANEL OF MAIN ROOF;  
PANEL TO BE CONTINUOUS  
WITH NO LAPS

ZEE-CLOSURE; CUT TO FIT  
BETWEEN SEAMS (TYPICAL)

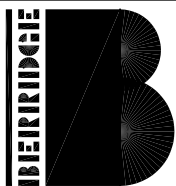
## PLAN VIEW

SEE ABOVE DETAIL  
FOR CLARITY

SLOPE

SLOPE

FOR LEG OF HIP CAP RUNNING  
INTO CHANNEL CLOSURE, TURN  
UP SO IT TUCKS IN UNDER  
GABLE FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

## DUTCH GABLE DETAIL

ZEE-LOCK PANEL

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Z-38



CAP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO CLEAT 40" O.C. MAX. CAULK ALL RIVET HEADS.

CONTINUOUS CLEAT

ZEE CLOSURE; REFER TO DETAIL Z-23. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL

SOLID SHEATHING

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OF PEEL & STICK OVER SUB-FLASHING.

12 1

MINIMUM SLOPE

30# FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

CONTINUOUS CLEAT

FASTENERS; 20" O.C. MAX.

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

SUB-FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

FASTENERS; MIN. 3 PER ZEE CLOSURE

FASTENERS; 20" O.C. MAX.

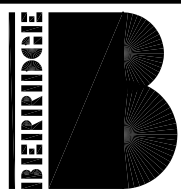
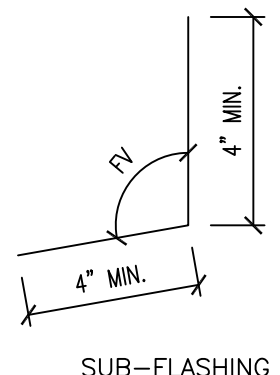
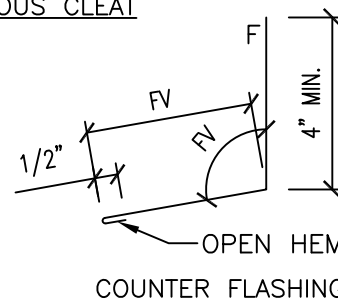
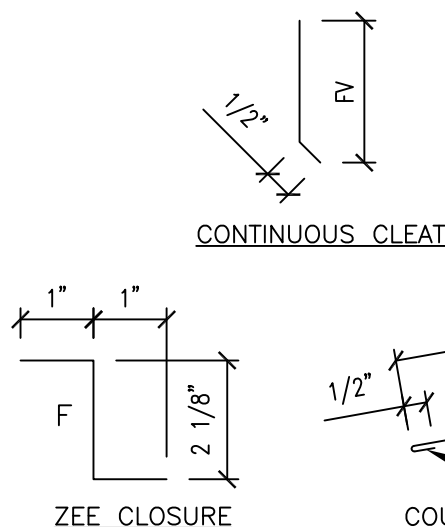
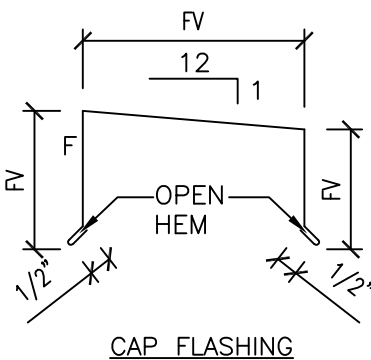
1. THIS DETAIL INTENDED FOR USE ON PARAPETS LESS THAN 12" IN HEIGHT, USE HEAD WALL DETAILS FOR ANY LARGER.

2. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

PARAPET DETAIL  
HEAD WALL  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-40

CAP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO CLEAT 40" O.C. MAX. CAULK ALL RIVET HEADS.

CONTINUOUS CLEAT

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

FACTORY APPLIED EXTRUDED VINYL WEATHERSEAL US PATENT NO. 5,134,825

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

SOLID SHEATHING

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OF PEEL & STICK OVER SUB-FLASHING, TOP LAYER TO BE PARALLEL WITH ROOF SLOPE

FASTENERS; 20" O.C. MAX.

12  
1  
MINIMUM SLOPE

CONTINUOUS CLEAT

FASTENERS; 20" O.C. MAX.

FASTENERS; 20" O.C. MAX. PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

CONTINUOUS BEAD OF CAULK

SUB-FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

BERRIDGE ZEE-LOCK PANEL; FIELD CUT LAST PANEL AND FORM NEW LEG MIN. 4" TO 6". PANEL TO BE CONTINUOUS FROM RIDGE TO EAVE.

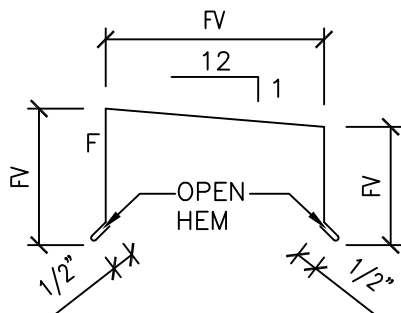
1. THIS DETAIL INTENDED FOR USE ON PARAPETS LESS THAN 12" IN HEIGHT, USE RAKE WALL DETAILS FOR ANY LARGER.

2. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

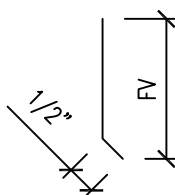
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

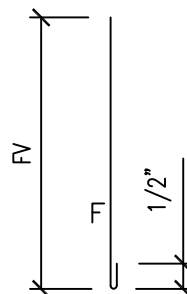
F = FINISH SIDE  
FV = FIELD VERIFY



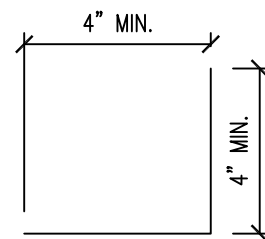
CAP FLASHING



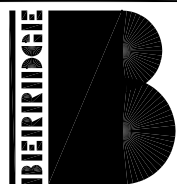
CONTINUOUS CLEAT



COUNTER FLASHING



SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

PARAPET DETAIL  
RAKE WALL  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-41

RECEIVER & COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET 20" O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; REFER TO DETAIL Z-23. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

THERMAL BLOCK BETWEEN ZEE-RIBS

CONTINUOUS 3" ZEE-RIB WITH VINYL WEATHERSEAL

BATT INSULATION: STRIP AWAY 8" MIN. OF INSULATION AT PURLIN AND LAP PAPER, OR PLASTIC MEMBRANE OVER SUB-FLASHING

PURLIN

BERRIDGE WALL PANEL OR FASCIA PANEL

FASTENERS; 20" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL

MIN 16 GA. CONTINUOUS SUB-FLASHING

MIN. 3 FASTENERS PER ZEE CLOSURE

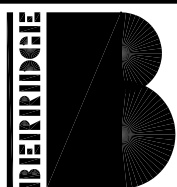
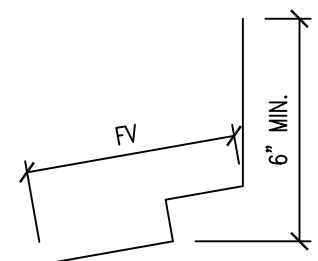
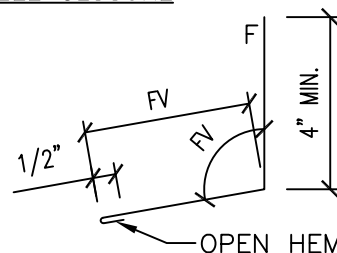
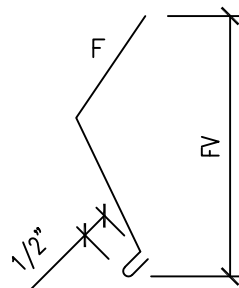
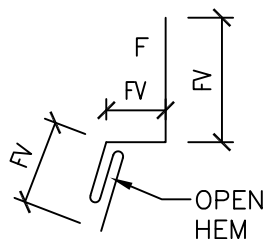
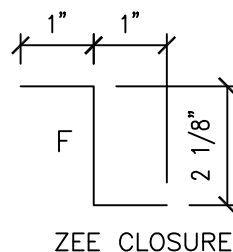
1" WIDE DOUBLE SIDED TAPE

FASTENERS; 20" O.C. MAX.

1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL; 3" ZEE-RIB  
RECEIVER FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-510T

RECEIVER & COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET 20" O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; REFER TO DETAIL Z-23. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

THERMAL BLOCK BETWEEN ZEE-RIBS

CONTINUOUS 3" ZEE-RIB WITH VINYL WEATHERSEAL

BATT INSULATION: STRIP AWAY 8" MIN. OF INSULATION AT PURLIN AND LAP PAPER, OR PLASTIC MEMBRANE OVER SUB-FLASHING

PURLIN

THRU-WALL RECEIVER TO BE BELOW WEEP HOLES

FASTENERS; 16" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL

MIN 16 GA. CONTINUOUS SUB-FLASHING

MIN. 3 FASTENERS PER ZEE CLOSURE

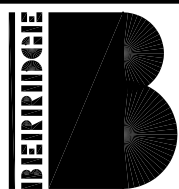
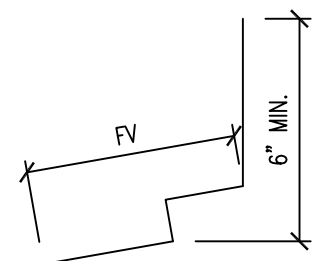
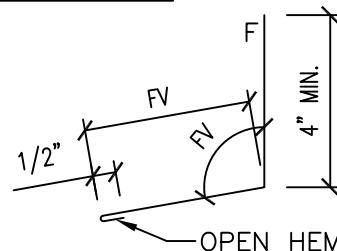
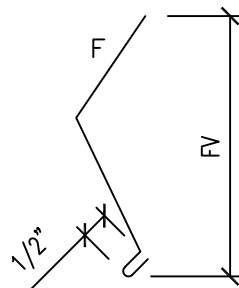
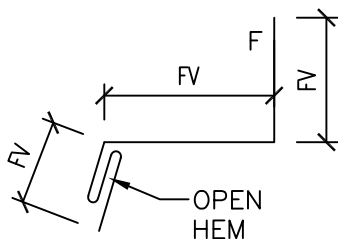
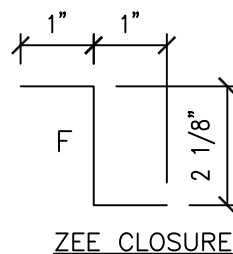
1" WIDE DOUBLE SIDED TAPE

FASTENERS; 20" O.C. MAX.

1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL; 3" ZEE-RIB  
RECEIVER FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-510TW

RECEIVER & COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET 20" O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

ZEE CLOSURE; REFER TO DETAIL Z-23. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH VINYL WEATHERSEAL

PURLIN

FASTENERS; 20" O.C. MAX.

BERRIDGE WALL PANEL OR FASCIA PANEL

FASTENERS; 20" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL

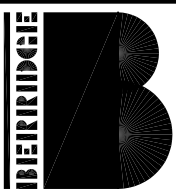
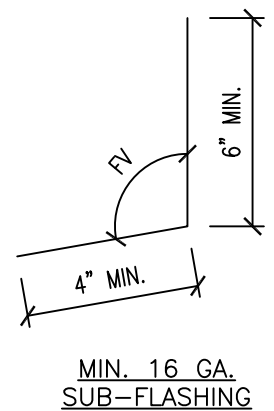
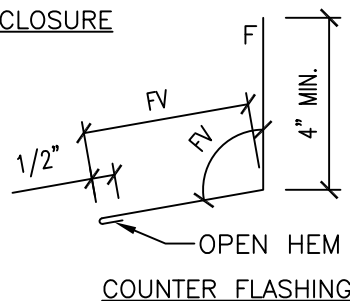
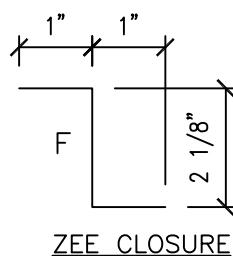
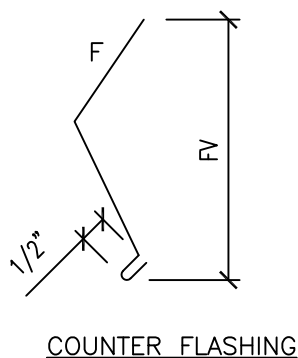
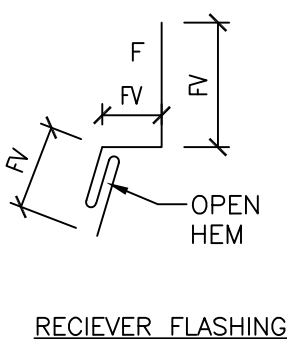
MIN. 16 GA. SUB-FLASHING

MIN. 3 FASTENERS PER ZEE CLOSURE

1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL  
RECEIVER FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-51PO

BERRIDGE WALL PANEL OR FASCIA PANEL

RECEIVER & COUNTER FLASHING;  
4" END LAPS WITH CONTINUOUS  
CAULK AT LAPS POP RIVET 20"  
O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END  
LAPS WITH CONTINUOUS CAULK  
AT LAPS POP RIVET TO ZEE  
CLOSURE 40" O.C. MAX.

ZEE CLOSURE; REFER TO DETAIL  
Z-23. CUT TO FIT BETWEEN  
SEAMS IF PANEL SEAMS ARE  
NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH  
(OPTIONAL) VINYL WEATHERSEAL

#30 FELT OR BERRIDGE  
APPROVED PEEL & STICK  
UNDERLAYMENT. INSTALL MIN.  
12" STRIP PLY OF PEEL &  
STICK OVER SUB-FLASHING.

SOLID SHEATHING

FASTENERS; 20" O.C. MAX.

BERRIDGE APPROVED  
PEEL & STICK  
UNDERLAYMENT

FASTENERS; 20" O.C. MAX.

CONTINUOUS BEAD OF CAULK

FASTENERS; 20" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS BEAD OF  
CAULK BETWEEN ZEE  
CLOSURE AND ZEE-LOCK  
PANEL

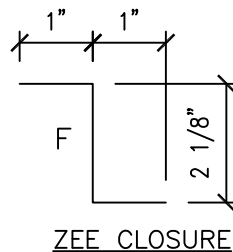
SUB-FLASHING; 4" END  
LAPS WITH CONTINUOUS  
CAULK AT LAPS

MIN. 3 FASTENERS  
PER ZEE CLOSURE

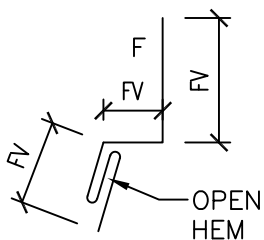
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

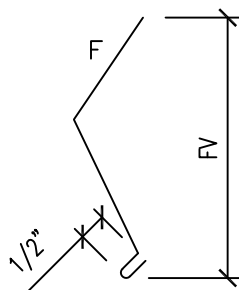
NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE



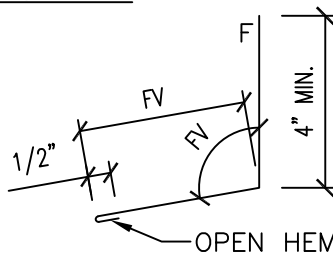
F = FINISH SIDE  
FV = FIELD VERIFY



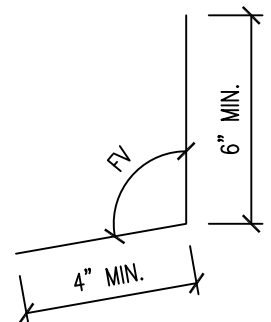
RECEIVER FLASHING



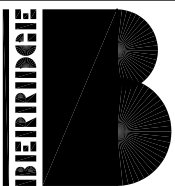
COUNTER FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL  
RECEIVER FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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Z-51PS

Z-51R

LONG LIFE FASTENERS WITH NEOPRENE WASHERS; 16" O.C. MAX.

SURFACE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

LONG LIFE FASTENERS WITH NEOPRENE WASHERS; 16" O.C. MAX.

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 40" O.C.; CAULK RIVET HEADS

ZEE CLOSURE; CUT TO FIT BETWEEN SEAMS USE Z-23

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

SOLID SHEATHING

SUB-FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

FASTENERS; 16" O.C. MAX.

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ZEE-LOCK PANEL

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OF PEEL & STICK OVER SUB-FLASHING.

FASTENERS; MIN. 3 PER ZEE CLOSURE

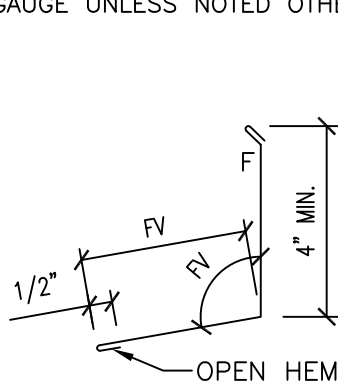
FASTENERS; 20" O.C. MAX.

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

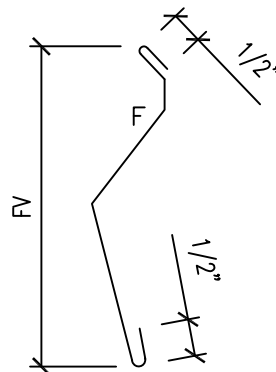
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

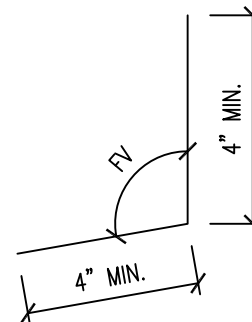
F = FINISH SIDE  
FV = FIELD VERIFY



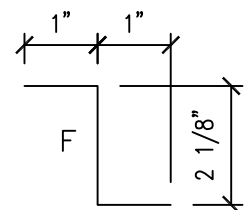
COUNTER FLASHING



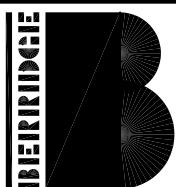
SURFACE FLASHING



SUB-FLASHING



ZEE CLOSURE



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL  
SURFACE MOUNT  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-51SM



RECEIVER & COUNTER FLASHING;  
4" END LAPS WITH CONTINUOUS  
CAULK AT LAPS POP RIVET 20"  
O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END  
LAPS WITH CONTINUOUS CAULK  
AT LAPS POP RIVET TO ZEE  
CLOSURE 40" O.C. MAX.

ZEE CLOSURE; REFER TO DETAIL  
Z-23. CUT TO FIT BETWEEN  
SEAMS IF PANEL SEAMS ARE  
NOT PERPENDICULAR TO WALL.

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB  
WITH (OPTIONAL) VINYL  
WEATHERSEAL

BERRIDGE APPROVED PEEL  
& STICK UNDERLAYMENT.  
INSTALL MIN. 12" STRIP  
PLY OVER SUB-FLASHING.

SOLID SHEATHING

FASTENERS; 20" O.C. MAX.

THRU-WALL RECEIVER TO  
BE BELOW WEEP HOLES

FASTENERS; 16" O.C. MAX.

#30 FELT OR BERRIDGE  
APPROVED PEEL &  
STICK UNDERLAYMENT

CONTINUOUS  
BEAD OF CAULK

CONTINUOUS BEAD OF  
CAULK BETWEEN ZEE  
CLOSURE AND ZEE-LOCK  
PANEL

SUB-FLASHING; 4" END  
LAPS WITH CONTINUOUS  
CAULK AT LAPS

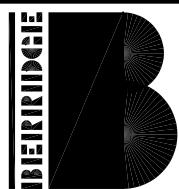
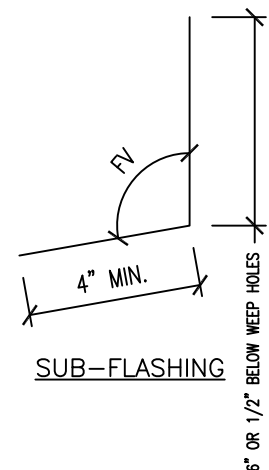
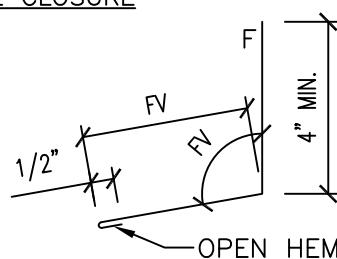
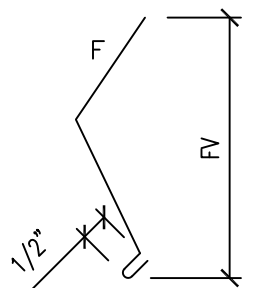
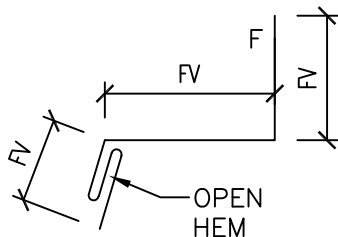
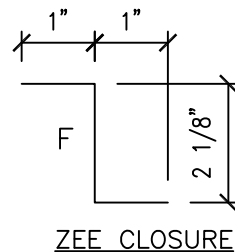
MIN. 3 FASTENERS PER ZEE CLOSURE

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

HEAD WALL DETAIL  
RECEIVER FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-51TW

BERRIDGE WALL PANEL OR FASCIA PANEL

RECEIVER & COUNTER FLASHING;  
4" END LAPS WITH CONTINUOUS  
CAULK AT LAPS POP RIVET 20"  
O.C. CAULK RIVET HEADS

BERRIDGE ZEE-LOCK PANEL; FIELD CUT LAST  
PANEL AND FORM NEW LEG MIN. 4". PANEL  
TO BE CONTINUOUS FROM RIDGE TO EAVE.

FACTORY APPLIED EXTRUDED  
VINYL WEATHERSEAL US  
PATENT NO. 5,134,825

CONTINUOUS 3" ZEE-RIB  
WITH VINYL WEATHERSEAL

THERMAL BLOCK

PURLIN

BATT INSULATION: STRIP  
AWAY 8" MIN. OF INSULATION  
AT PURLIN AND LAP PAPER,  
OR PLASTIC MEMBRANE OVER  
SUB-FLASHING

FASTENERS; 20" O.C.  
MAX.

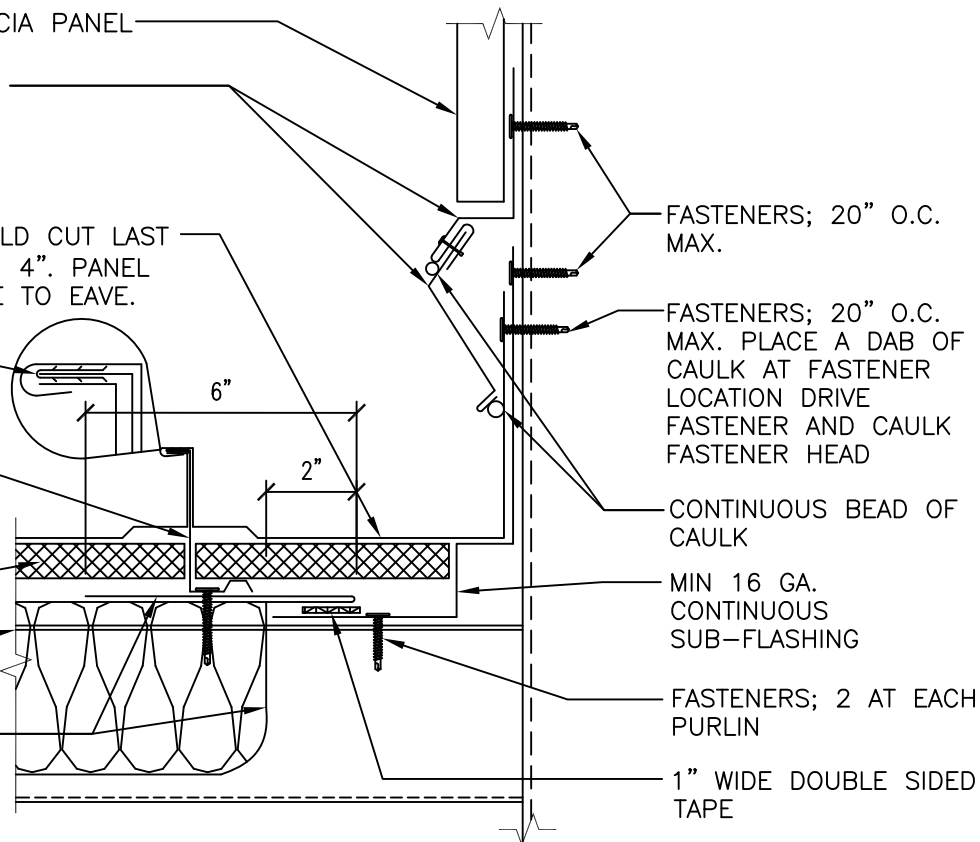
FASTENERS; 20" O.C.  
MAX. PLACE A DAB OF  
CAULK AT FASTENER  
LOCATION DRIVE  
FASTENER AND CAULK  
FASTENER HEAD

CONTINUOUS BEAD OF  
CAULK

MIN 16 GA.  
CONTINUOUS  
SUB-FLASHING

FASTENERS; 2 AT EACH  
PURLIN

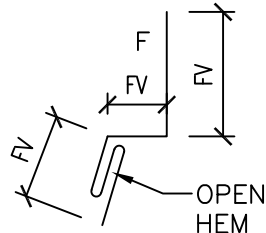
1" WIDE DOUBLE SIDED  
TAPE



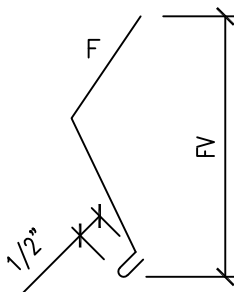
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

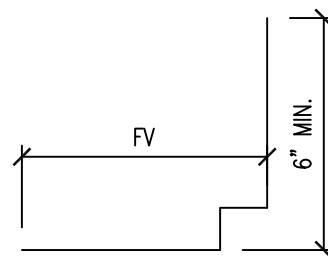
F = FINISH SIDE  
FV = FIELD VERIFY



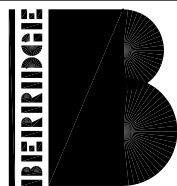
RECIEVER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

RAKE WALL DETAIL; 3" ZEE-RIB  
RECEIVER FLASHING  
OPEN FRAMING

ZEE-LOCK PANEL

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Z-530T

BERRIDGE WALL PANEL OR FASCIA PANEL

RECEIVER & COUNTER FLASHING;  
4" END LAPS WITH CONTINUOUS  
CAULK AT LAPS POP RIVET 20"  
O.C. CAULK RIVET HEADS

BERRIDGE ZEE-LOCK PANEL; FIELD  
CUT LAST PANEL AND FORM NEW LEG  
MIN. 4". PANEL TO BE CONTINUOUS  
FROM RIDGE TO EAVE.

FACTORY APPLIED  
EXTRUDED VINYL  
WEATHERSEAL US  
PATENT NO. 5,134,825

PURLIN

CONTINUOUS ZEE-RIB WITH  
VINYL WEATHERSEAL

FASTENERS; 2 AT EACH PURLIN

FASTENERS; 20" O.C.  
MAX.

FASTENERS; 20" O.C.  
MAX. PLACE A DAB OF  
CAULK AT FASTENER  
LOCATION DRIVE  
FASTENER AND CAULK  
FASTENER HEAD

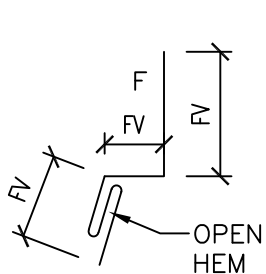
CONTINUOUS BEAD OF  
CAULK

MIN. 16 GA.  
SUB-FLASHING

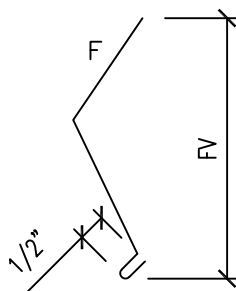
1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT  
BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

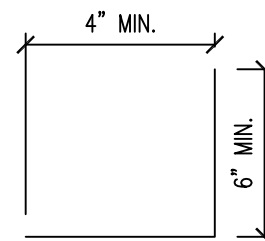
F = FINISH SIDE  
FV = FIELD VERIFY



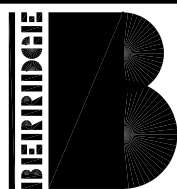
RECIEVER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

RAKE WALL DETAIL  
RECEIVER FLASHING  
OPEN FRAMING

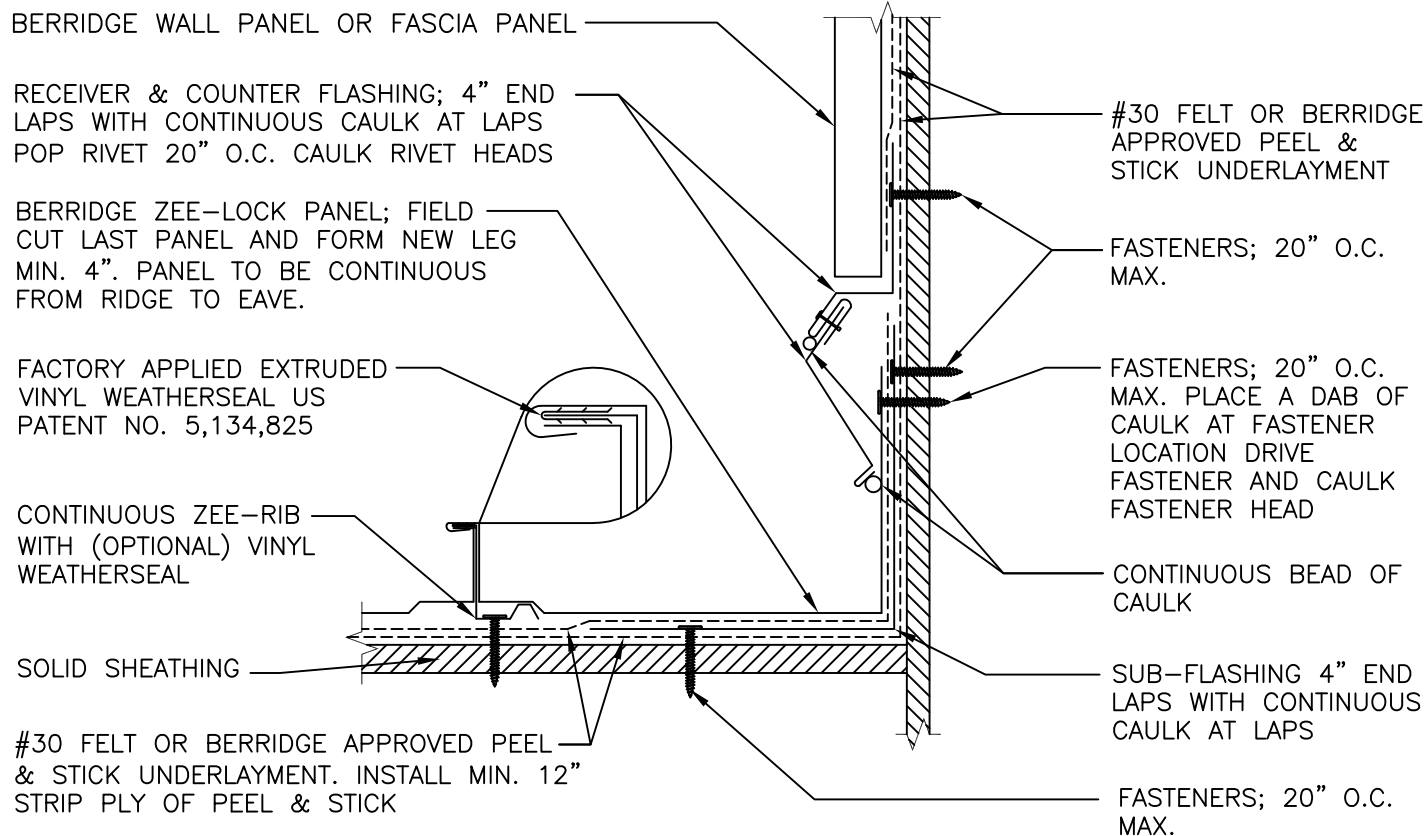
ZEE-LOCK PANEL

DATE: 5/23

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Z-53PO

Roofs of Distinction

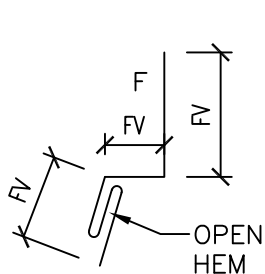


1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

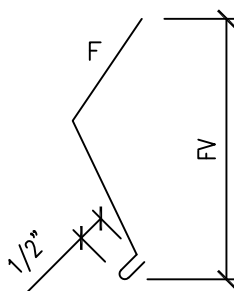
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

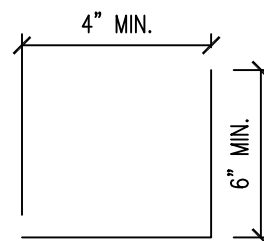
F = FINISH SIDE  
FV = FIELD VERIFY



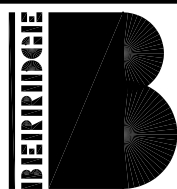
RECEIVER FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

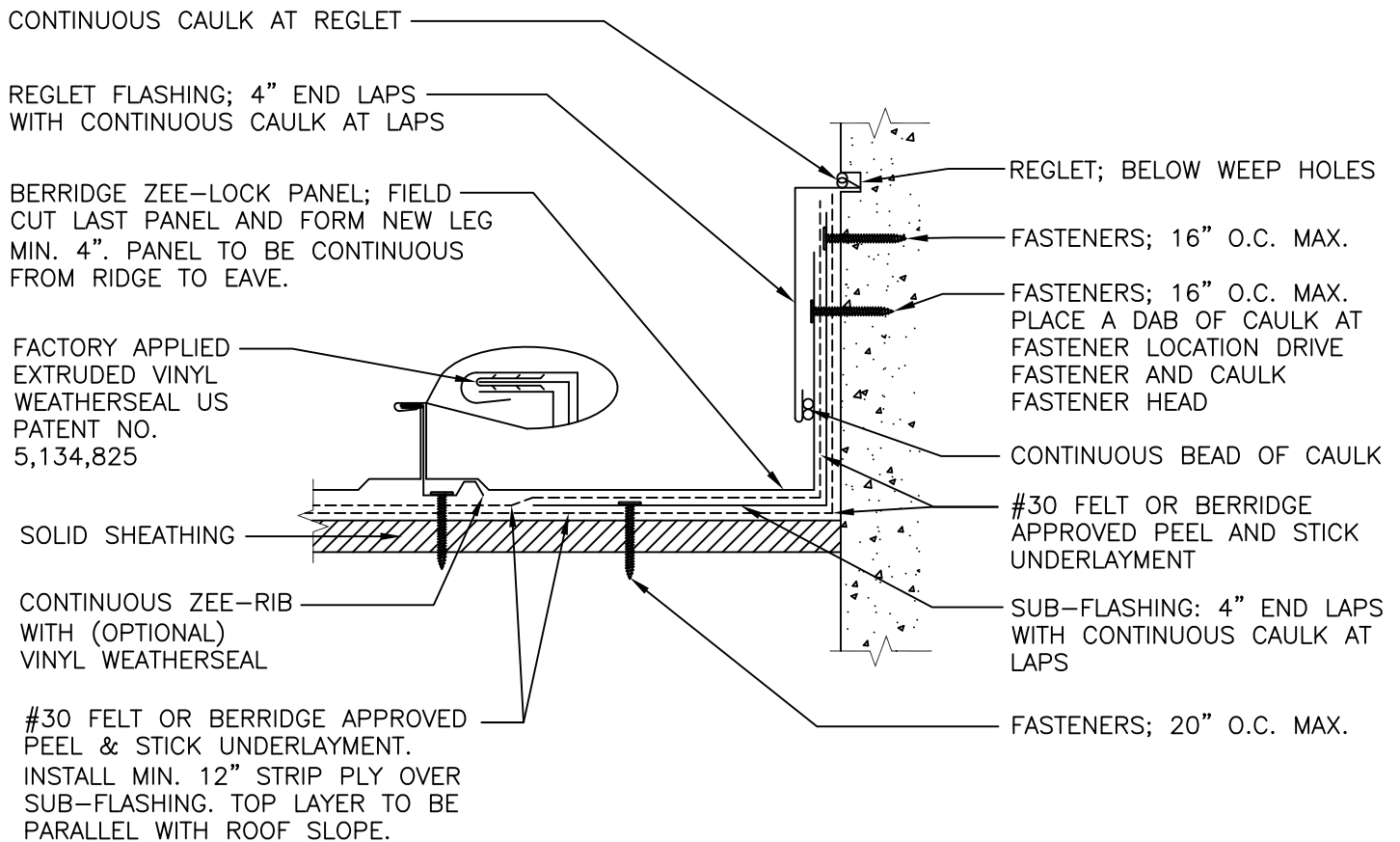
RAKE WALL DETAIL  
RECEIVER FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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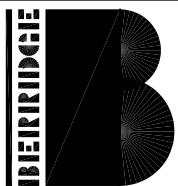
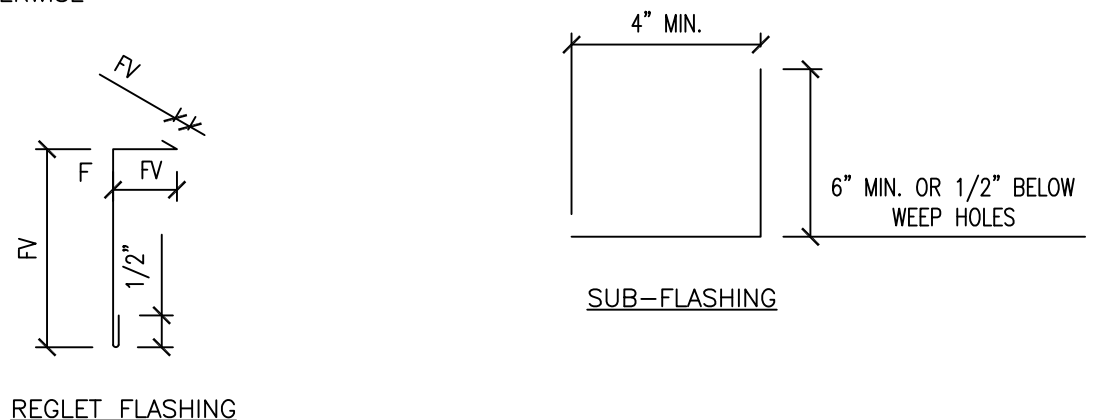


1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

RAKE WALL DETAIL  
REGLET  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-53R

LONG LIFE FASTENERS WITH NEOPRENE WASHERS; 16" O.C. MAX.

SURFACE FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

LONG LIFE FASTENERS WITH NEOPRENE WASHERS; 16" O.C. MAX.

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

BERRIDGE ZEE-LOCK PANEL; FIELD CUT LAST PANEL AND FORM NEW LEG MIN. 4". PANEL TO BE CONTINUOUS FROM RIDGE TO EAVE.

FACTORY APPLIED EXTRUDED VINYL WEATHERSEAL US PATENT NO. 5,134,825

SOLID SHEATHING

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OF PEEL & STICK OVER SUB-FLASHING. TOP LAYER TO BE PARALLEL WITH ROOF SLOPE

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

FASTENERS; 16" O.C. MAX.

FASTENERS; 16" O.C. MAX. PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

CONTINUOUS BEAD OF CAULK

FASTENERS; 20" O.C. MAX.

SUB-FLASHING: 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

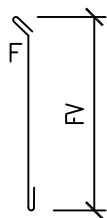
CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

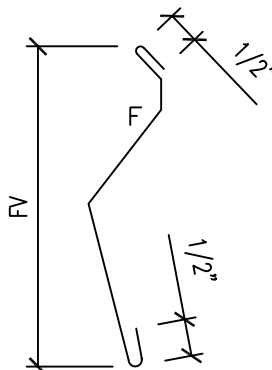
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

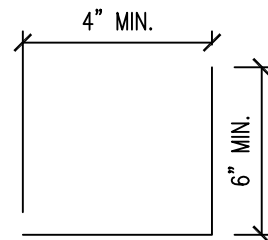
F = FINISH SIDE  
FV = FIELD VERIFY



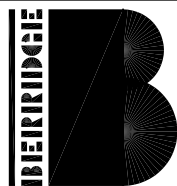
COUNTER FLASHING



SURFACE FLASHING



SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

RAKE WALL DETAIL  
SURFACE MOUNT  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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Z-53SM

RECEIVER & COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS  
POP RIVET 20" O.C. CAULK RIVET HEADS

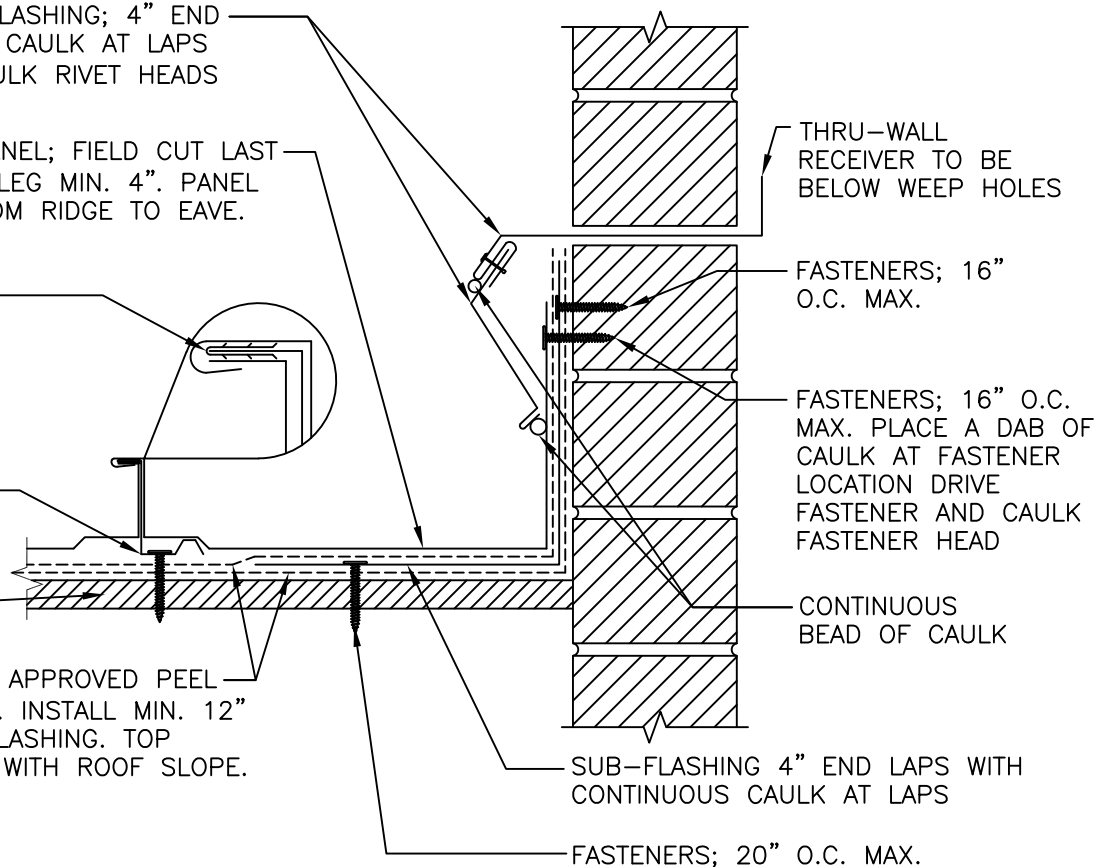
BERRIDGE ZEE-LOCK PANEL; FIELD CUT LAST PANEL AND FORM NEW LEG MIN. 4". PANEL TO BE CONTINUOUS FROM RIDGE TO EAVE.

FACTORY APPLIED EXTRUDED VINYL WEATHERSEAL US PATENT NO. 5,134,825

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL

SOLID SHEATHING

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER SUB-FLASHING. TOP LAYER TO BE PARALLEL WITH ROOF SLOPE.

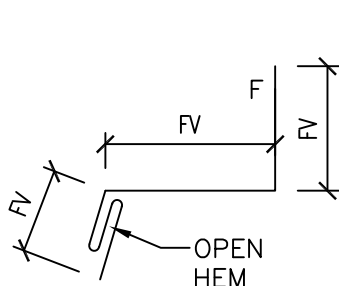


1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

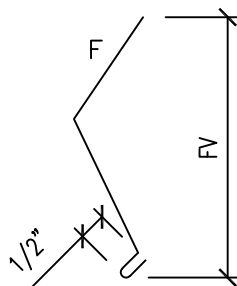
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

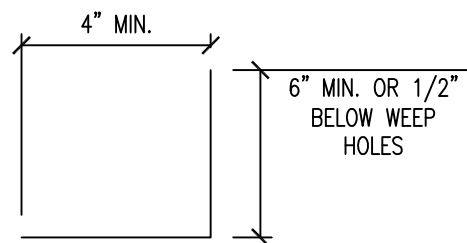
F = FINISH SIDE  
FV = FIELD VERIFY



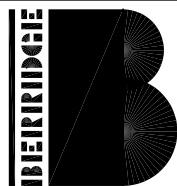
RECIEVER FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

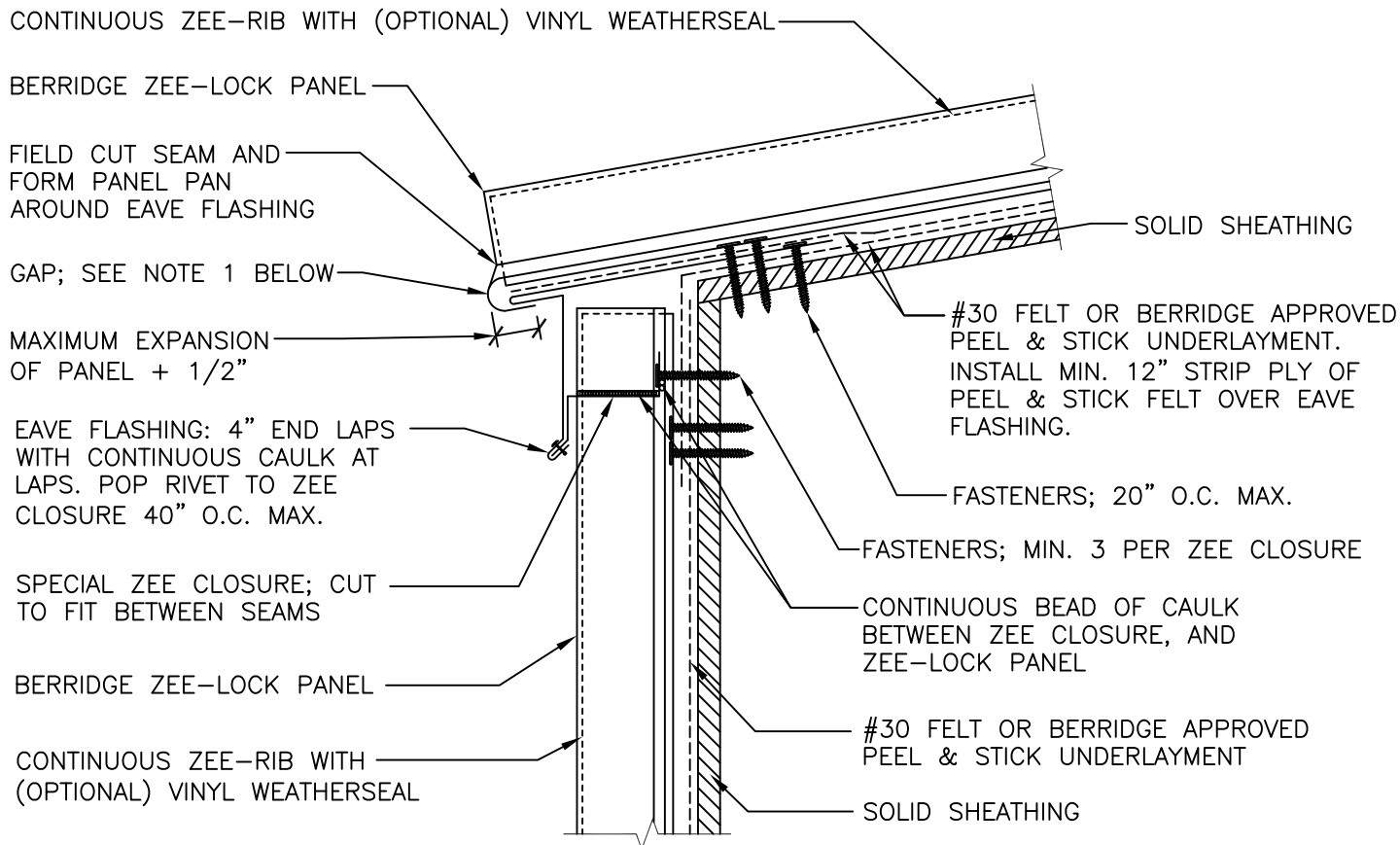
RAKE WALL DETAIL  
RECEIVER FLASHING  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

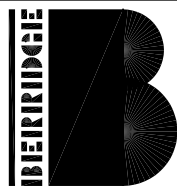
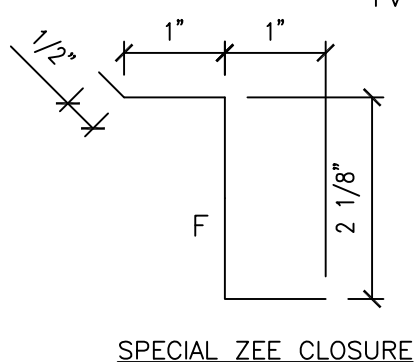
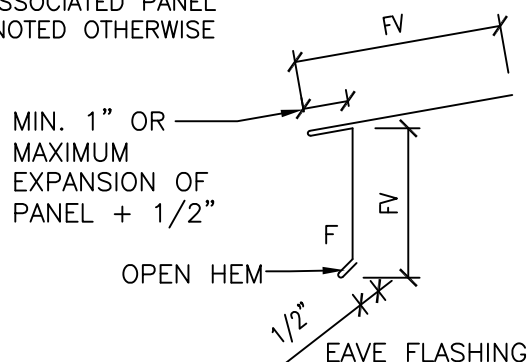
Z-53TW



1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART (ZI-6)
2. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.
3. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
4. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

ROOF TO FASCIA TRANSITION  
SOLID SUBSTRATE

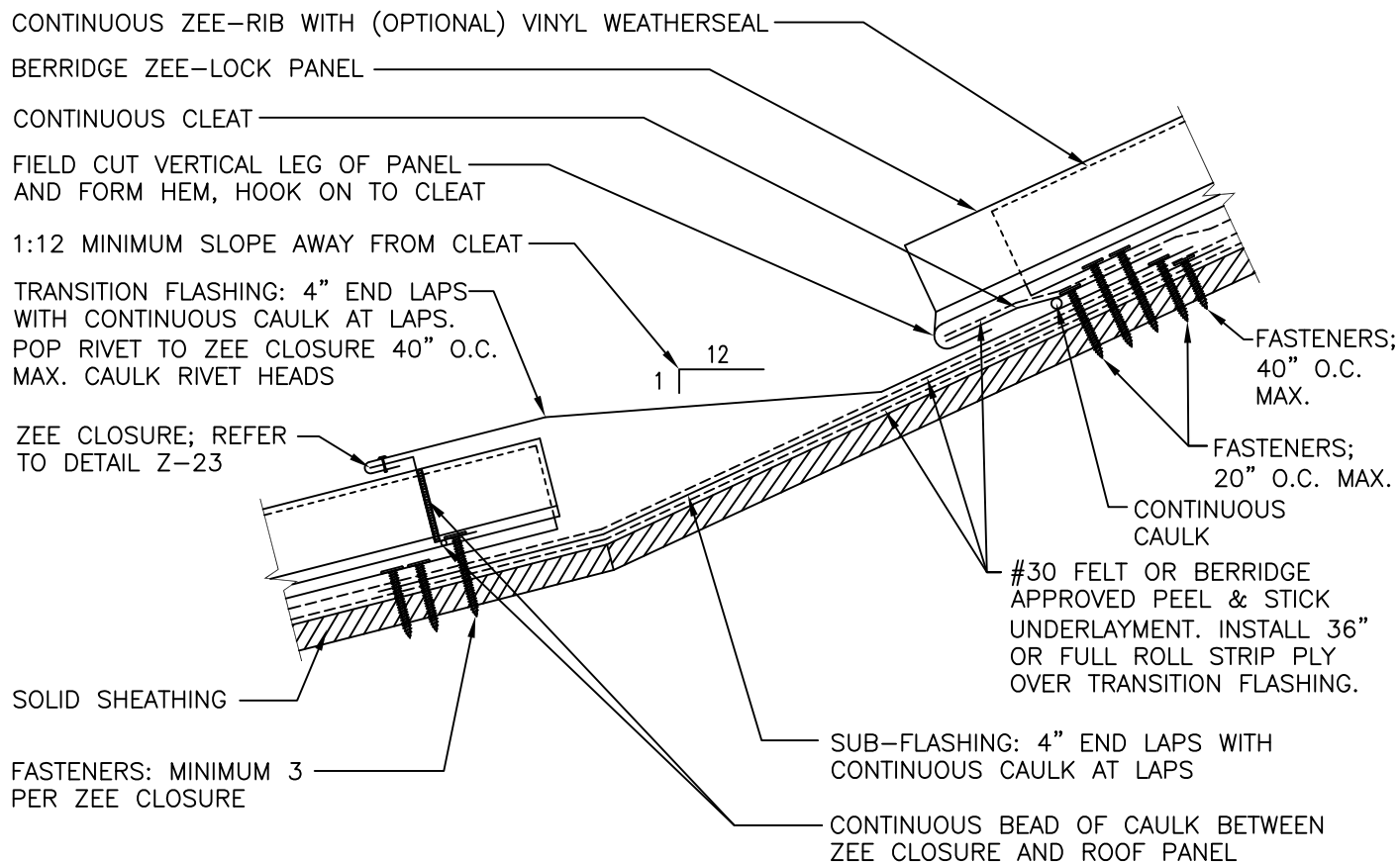
ZEE-LOCK PANEL

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Z-60





NOTE: PLACE A DAB OF CAULK AT CLEAT FASTENER LOCATION, DRIVE FASTENER THROUGH CAULK, AND CAULK FASTENER HEADS.

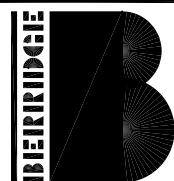
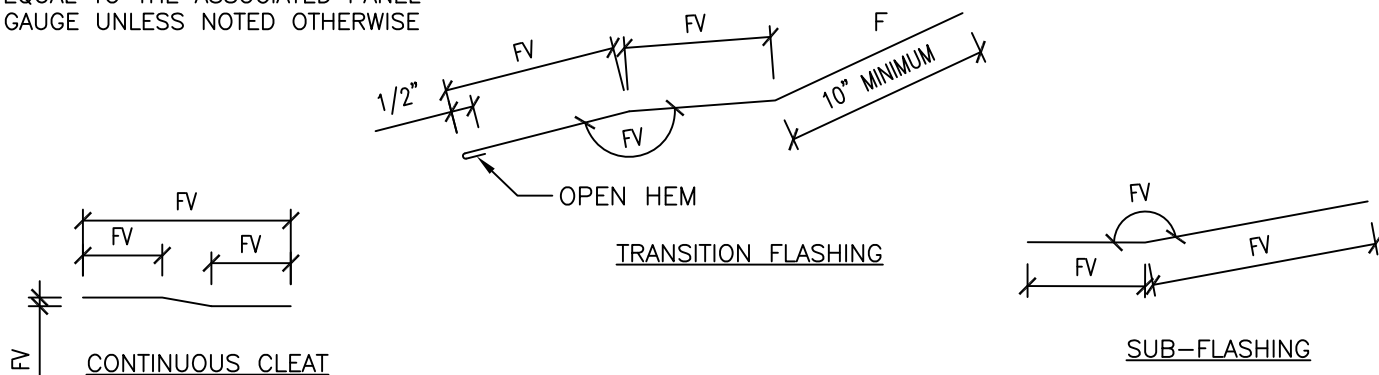
DO NOT: RUN A CONTINUOUS BEAD OF CAULK ON CLEAT OR UNDER CLEAT

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

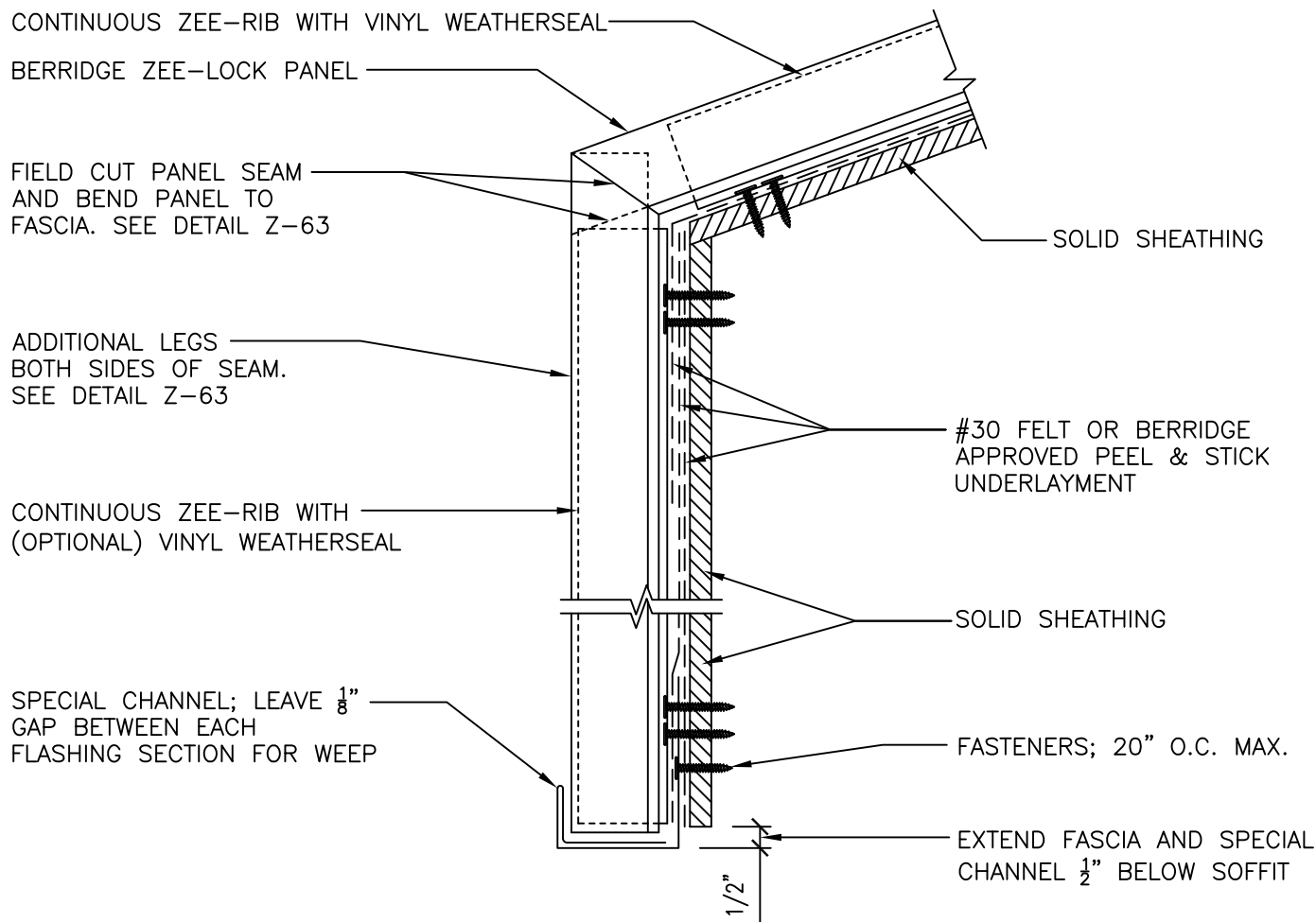
SLOPE TRANSITION DETAIL  
SOLID SUBSTRATE

ZEE-LOCK PANEL

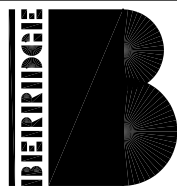
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Z-61



1. FIELD CUT SEAM AND BREAK PANEL TO DESIRED ANGLE OF ROOF TO FASCIA.
2. PLACE PANELS ON ROOF, USE THE CONTINUOUS ZEE-RIB OR ZEE-LOCK CLIP.
3. ONLY ONE SLOPE TRANSITION PER PANEL IS RECOMMENDED. MAXIMUM FASCIA SPAN FOR OPEN FRAMING IS 3'-0".
4. USE HAND SEAM CRIMPER ON ROOF PANELS AS REQUIRED TO KEEP PANELS IN PLACE.
5. CAULK JOINT BETWEEN PANEL LEGS; SEE DETAIL Z-63.
6. INSTALL ADDITIONAL MALE AND FEMALE LEGS AS SHOWN ON DETAIL Z-63. (THE ADDITIONAL LEGS CAN BE FIELD FABRICATED OR PURCHASED FROM THE FACTORY).
7. USE HAND SEAM CRIMPER TO SEAM PANEL ON FASCIA THEN MACHINE SEAM ROOF PANELS.
8. CAULK BETWEEN ROOF PANEL LEGS AND ADDITIONAL LEGS. SEE DETAIL Z-63.



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

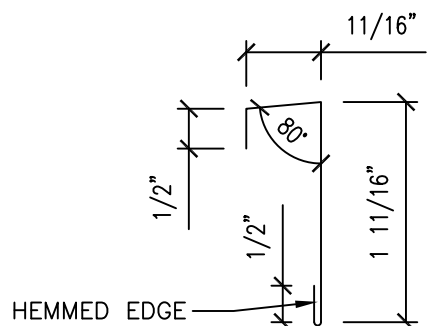
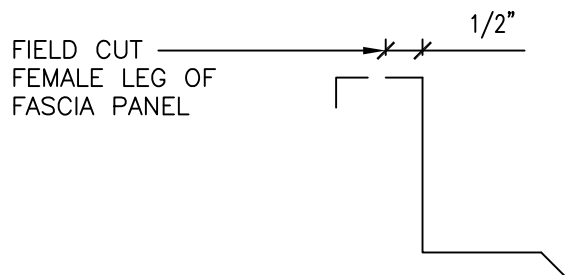
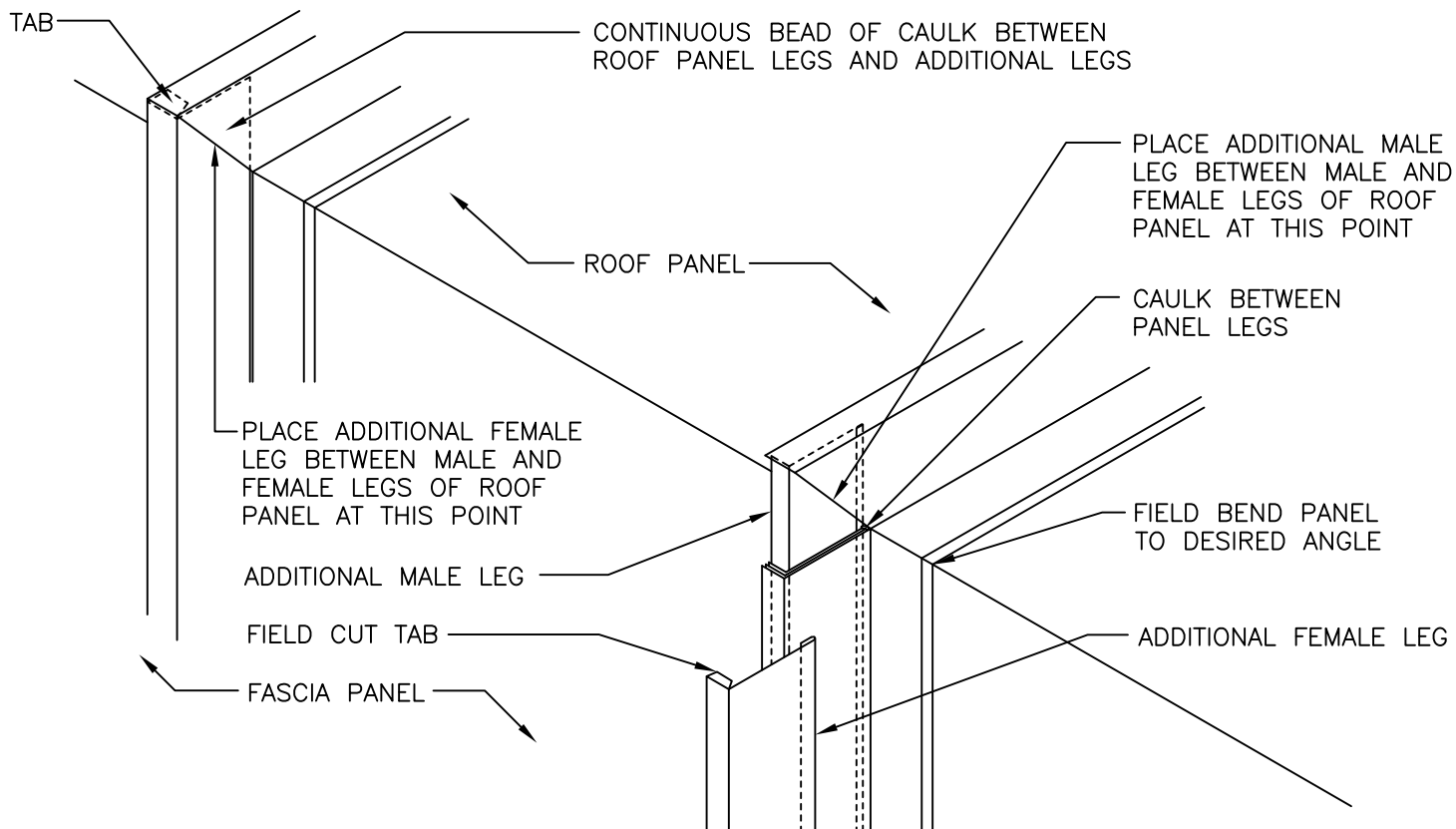
ROOF TO FASCIA TRANSITION  
SOLID SUBSTRATE

ZEE-LOCK PANEL

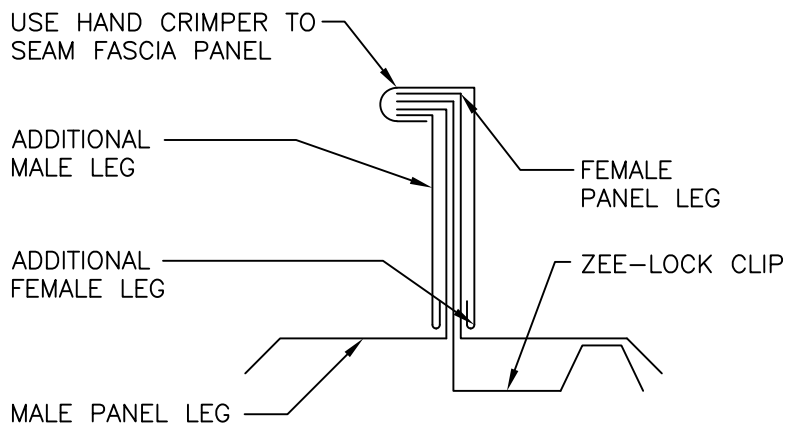
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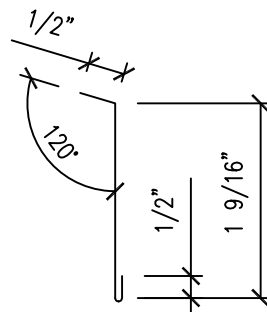
Z-62



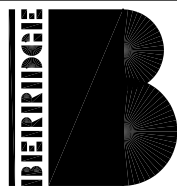
ADDITIONAL FEMALE LEG



SEAM SECTION AT FASCIA



ADDITIONAL MALE LEG



**BERRIDGE**  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

ROOF TO FASCIA TRANSITION  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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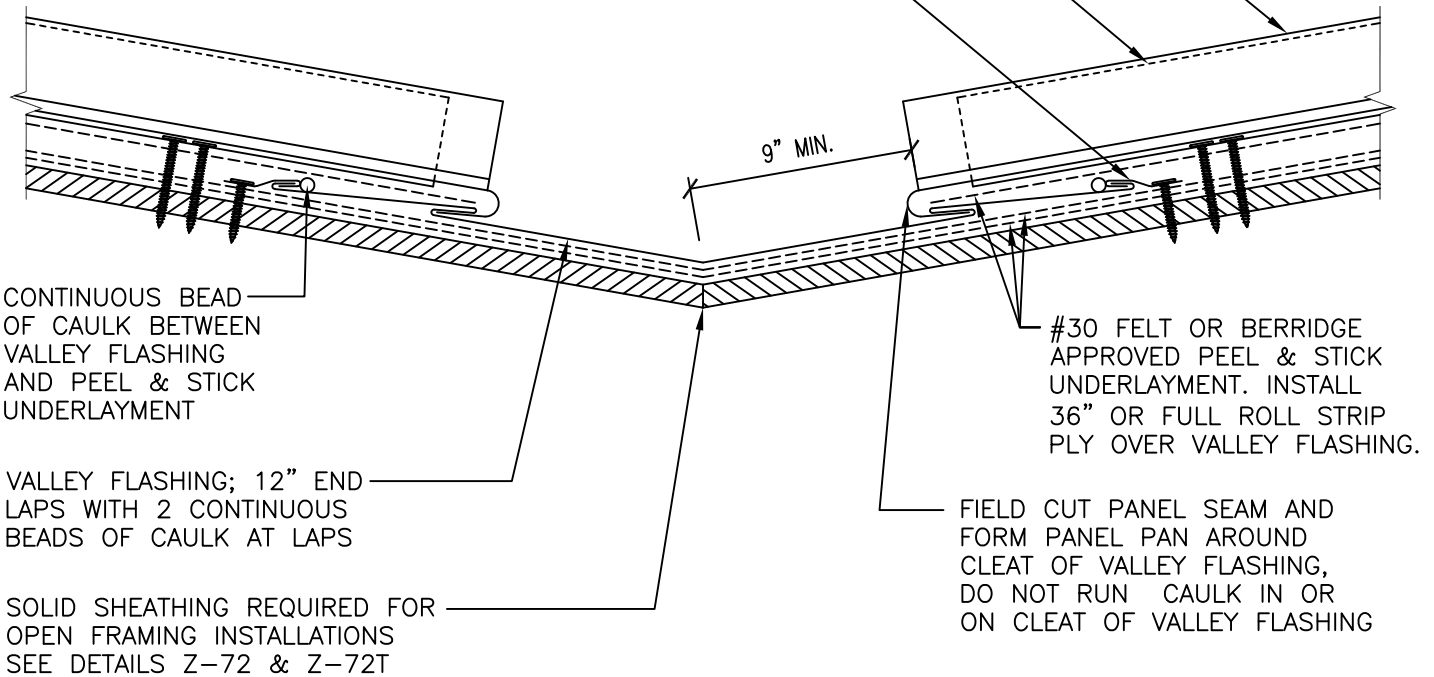
PAGE\FILE

Z-63

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL  
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH FASTENERS 20" O.C. MAX.



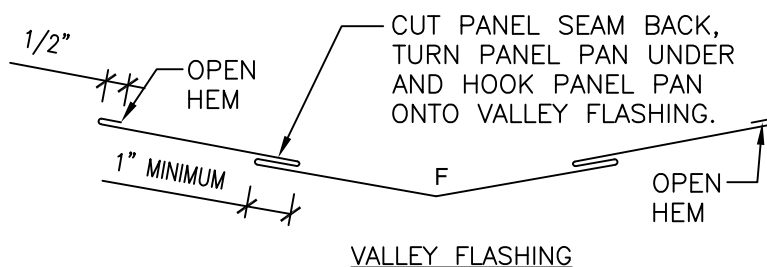
SEE DETAIL Z-71 FOR VALLEY FLASHING LAPPING

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

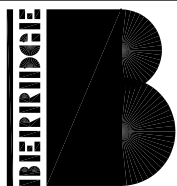
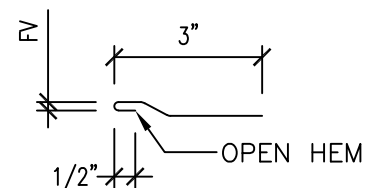
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



FORM VALLEY FLASHING FROM A FULL 42" OR 48" WIDE FLAT SHEET.  
SEE TAPERED VALLEY DETAIL Z-73A



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

VALLEY DETAIL  
SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 1/23

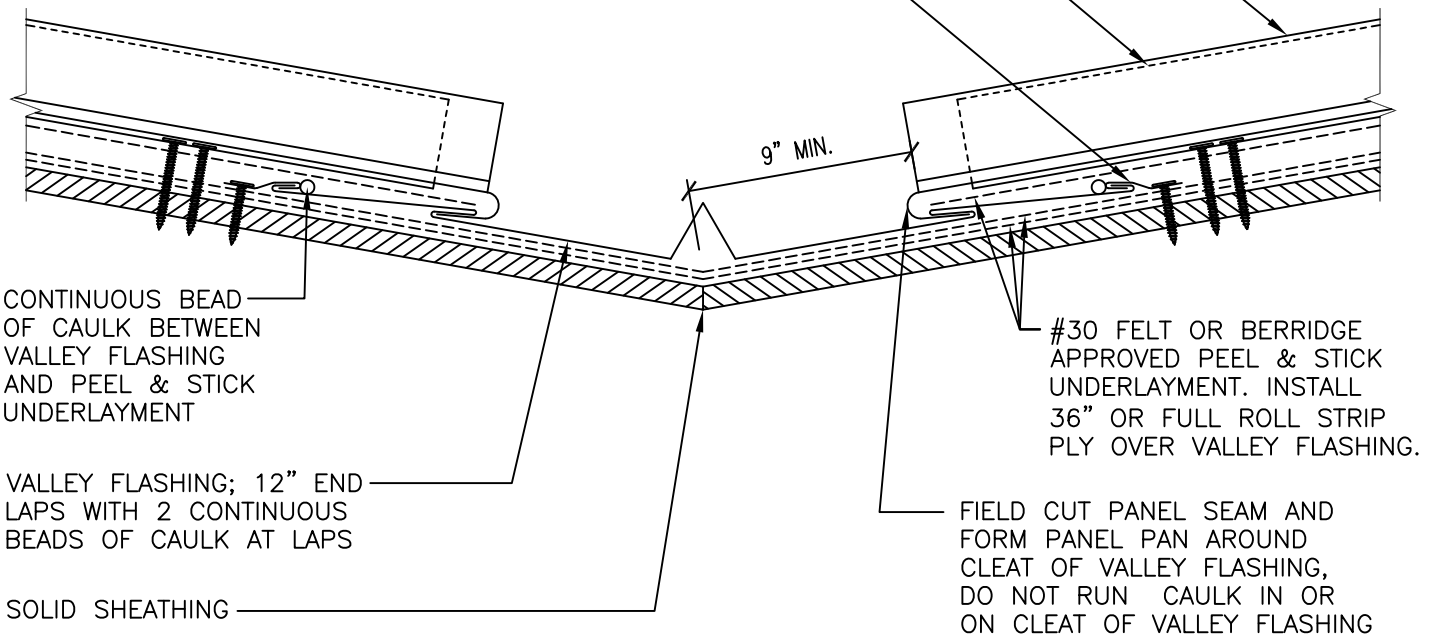
PAGE\FILE

Z-70

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL  
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH FASTENERS 20" O.C. MAX.



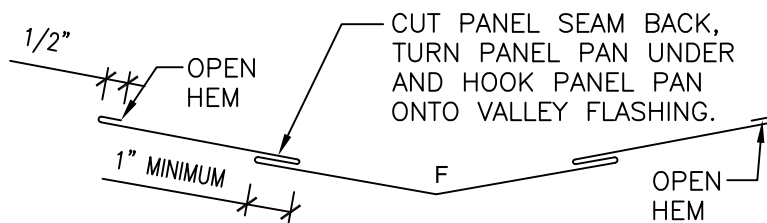
SEE DETAIL Z-71D FOR VALLEY FLASHING LAPPING

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

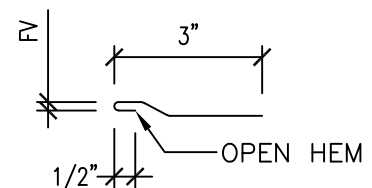
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY

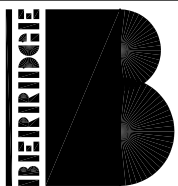


VALLEY FLASHING

FORM VALLEY FLASHING FROM A FULL 42" OR 48" WIDE FLAT SHEET.  
SEE TAPERED VALLEY DETAIL Z-73B



CONTINUOUS CLEAT



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

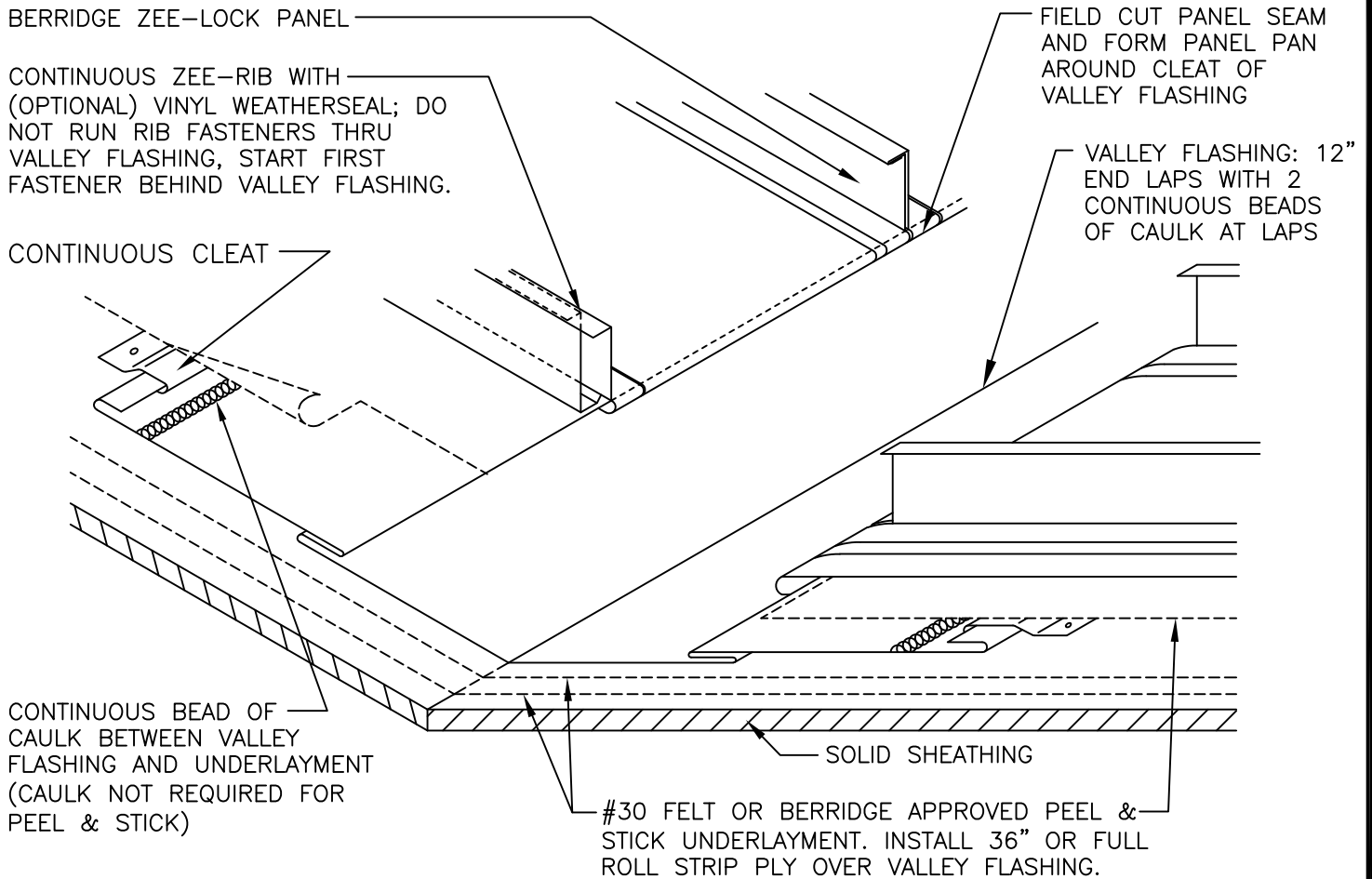
VALLEY DETAIL W/ DIVERTER  
SOLID SUBSTRATE

ZEE-LOCK PANEL

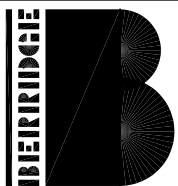
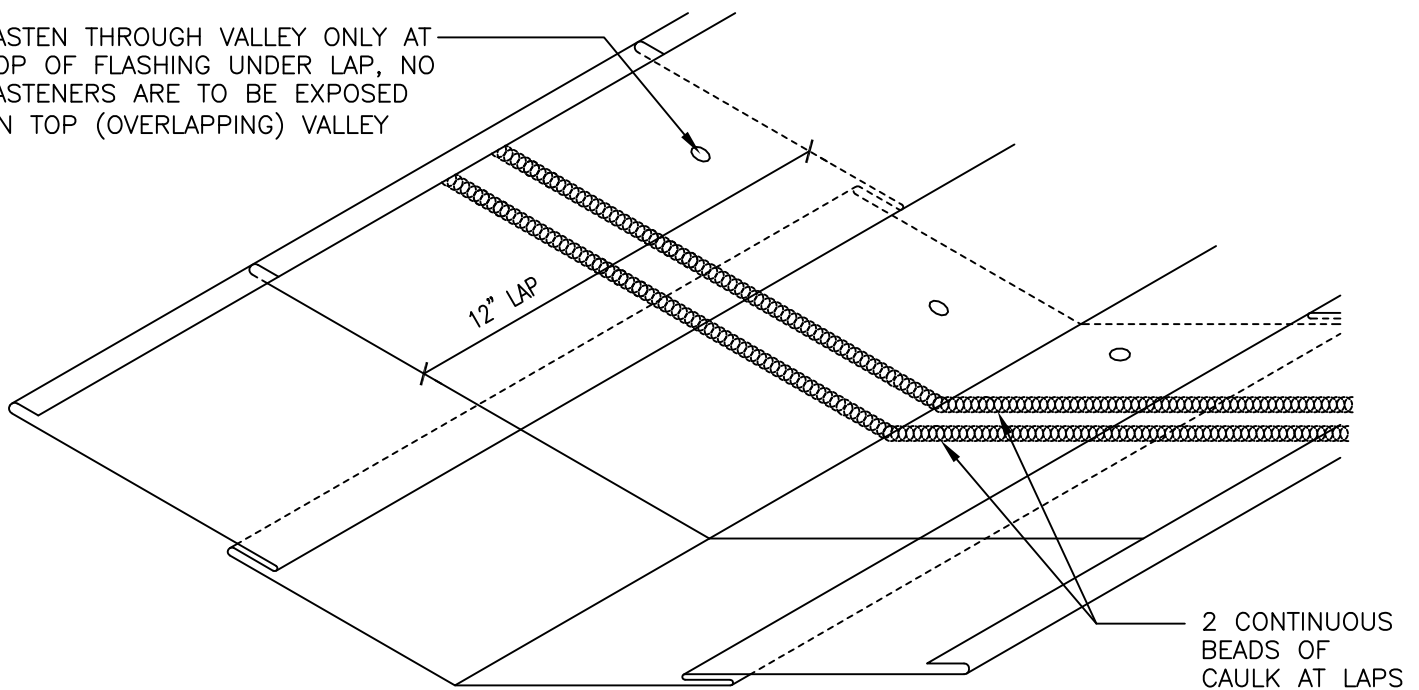
DATE: 5/23

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Z-70D



FASTEN THROUGH VALLEY ONLY AT TOP OF FLASHING UNDER LAP, NO FASTENERS ARE TO BE EXPOSED ON TOP (OVERLAPPING) VALLEY



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

VALLEY DETAIL; ISOMETRIC  
OPEN FRAMING &  
SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-71

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH (OPTIONAL) VINYL WEATHERSEAL; DO NOT RUN RIB FASTENERS THRU VALLEY FLASHING, START FIRST FASTENER BEHIND VALLEY FLASHING.

CONTINUOUS CLEAT

FIELD CUT PANEL SEAM AND FORM PANEL PAN AROUND CLEAT OF VALLEY FLASHING

VALLEY FLASHING: 12" END LAPS WITH 2 CONTINUOUS BEADS OF CAULK AT LAPS

CONTINUOUS BEAD OF CAULK BETWEEN VALLEY FLASHING AND UNDERLAYMENT

SOLID SHEATHING

#30 FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL 36" OR FULL ROLL STRIP PLY OVER VALLEY FLASHING.

FASTEN THROUGH VALLEY ONLY AT TOP OF FLASHING UNDER LAP, NO FASTENERS ARE TO BE EXPOSED ON TOP (OVERLAPPING) VALLEY

12" LAP

2 CONTINUOUS BEADS OF CAULK AT LAPS



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

VALLEY DETAIL; ISOMETRIC  
W/ 2" DIVERTER  
OPEN FRAMING AND SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

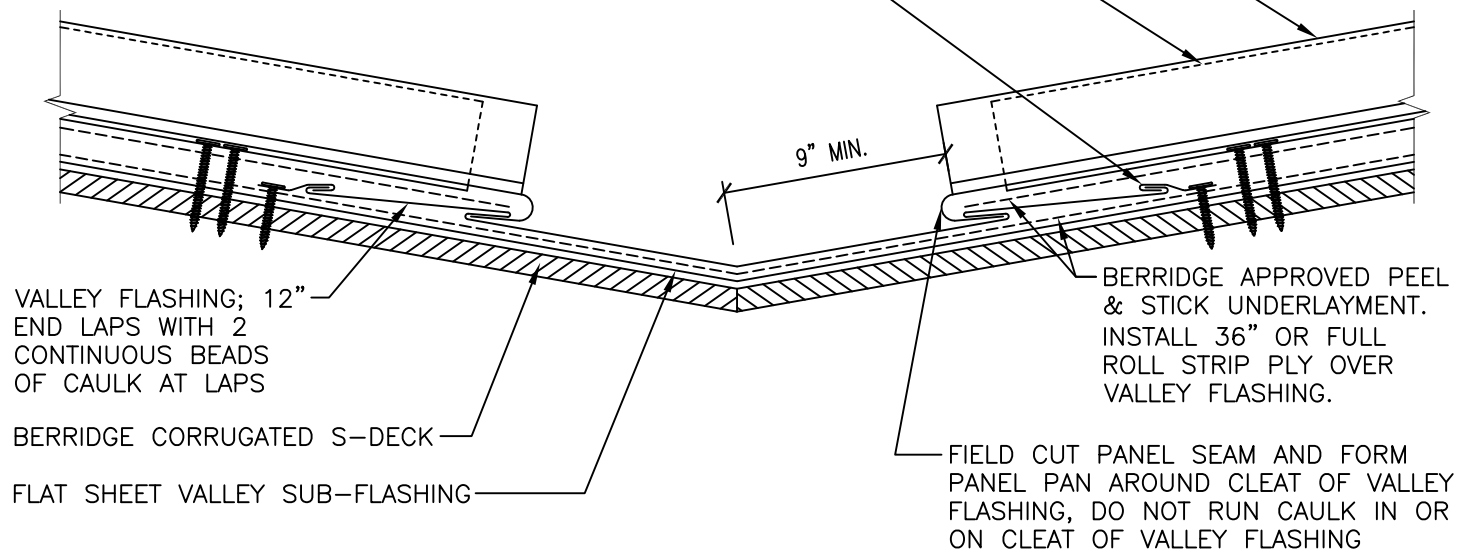
PAGE\FILE

Z-71D

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH VINYL WEATHERSEAL  
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH FASTENERS 20" O.C. MAX.



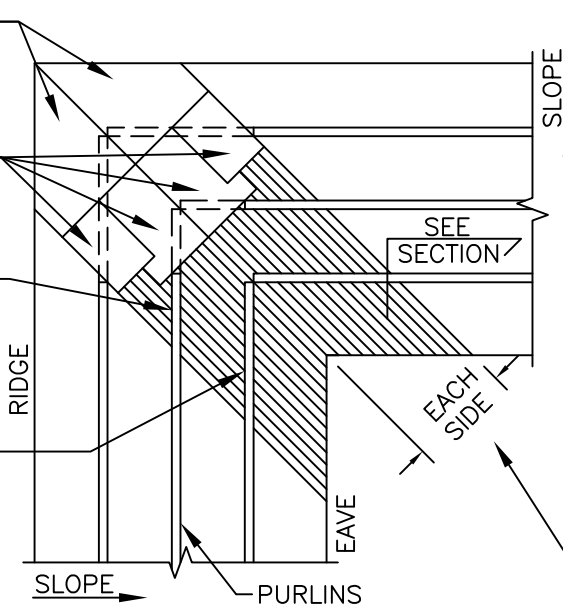
\*FLASHING PROFILES AND NOTES, SEE DETAILS Z-70, Z-71, & Z-73A

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT, RUN RIDGE TO EAVE

FLAT SHEET VALLEY SUB-FLASHING RUN RIDGE TO EAVE

BERRIDGE CORRUGATED S-DECK RUN RIDGE TO EAVE

HAT SECTION OVER PURLIN



BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

FLAT SHEET VALLEY SUB-FLASHING

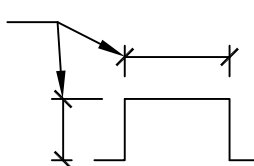
16 GA. HAT SECTION

PURLIN

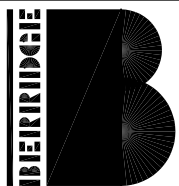
BERRIDGE CORRUGATED S-DECK

SECTION

16 GA. HAT SECTION SIZED TO FIT OVER PURLIN AND TO ACCOMMODATE THE DEPTH OF THE BERRIDGE CORRUGATED S-DECK.



ROOFS WITH A SLOPE OF 4:12 OR LESS 6'-0" MIN. ROOFS ABOVE 4:12 3'-0" MIN.



BERRIDGE  
MANUFACTURING  
COMPANY

Roofs of Distinction

VALLEY DETAIL  
OPEN FRAMING; 2" ZEE-RIB

ZEE-LOCK PANEL

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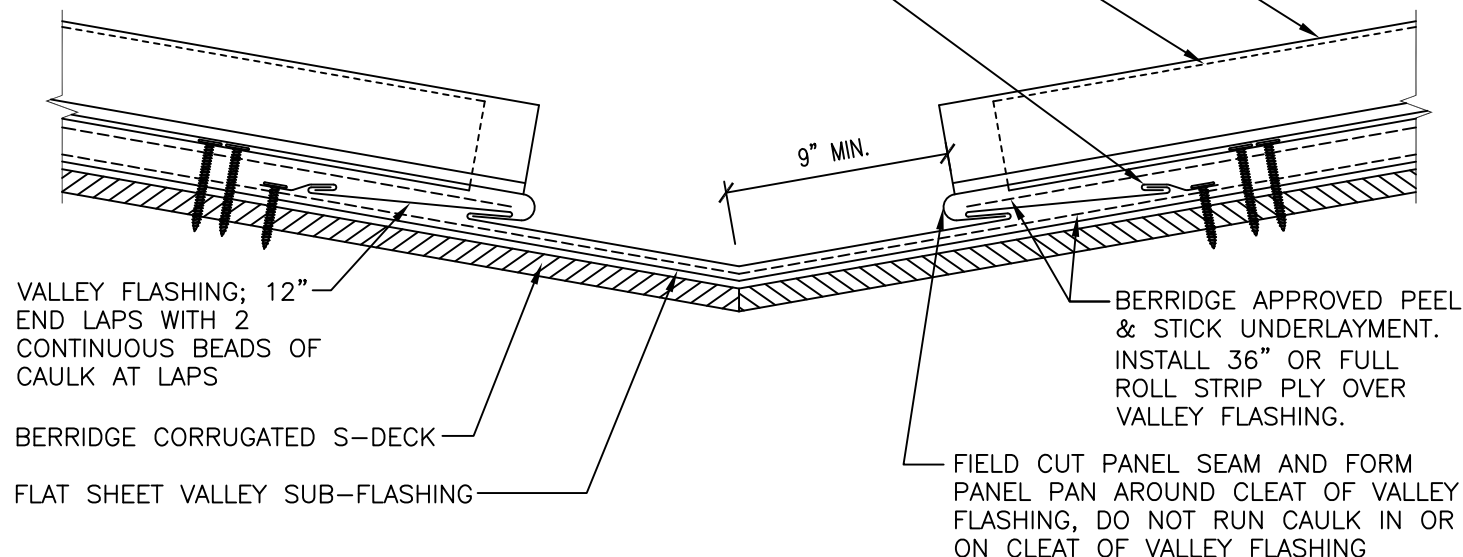
Z-72



BERRIDGE ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH VINYL WEATHERSEAL  
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH FASTENERS 20" O.C. MAX.



\*FLASHING PROFILES AND NOTES, SEE DETAILS Z-70, Z-71, & Z-73A

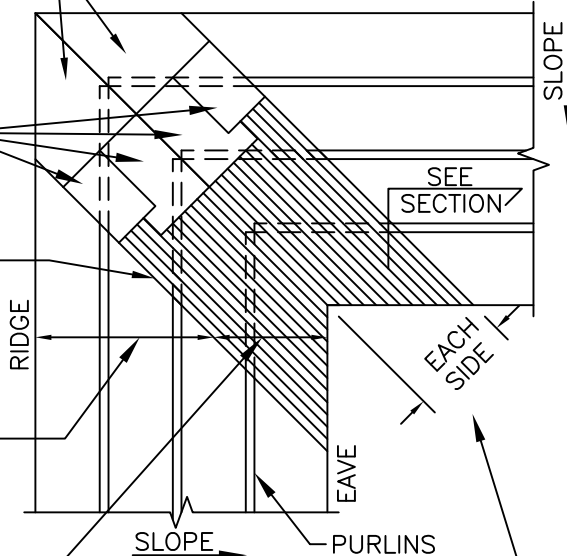
BERRIDGE APPROVED PEEL  
& STICK UNDERLAYMENT,  
RUN RIDGE TO EAVE.

FLAT SHEET VALLEY  
SUB-FLASHING RUN  
RIDGE TO EAVE

BERRIDGE CORRUGATED  
S-DECK PLACED ON  
TOP OF PURLINS RUN  
RIDGE TO EAVE

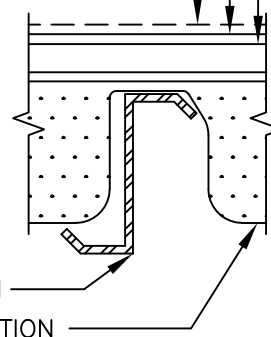
THIS AREA USE  
THE 3" ZEE-RIB

THIS AREA OVER  
CORRUGATED DECK  
USE 2" ZEE-RIB



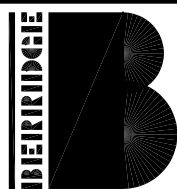
BERRIDGE  
CORRUGATED S-DECK  
FLAT SHEET VALLEY  
SUB-FLASHING  
BERRIDGE APPROVED  
PEEL & STICK  
UNDERLAYMENT

PURLIN  
INSULATION



SECTION

ROOFS WITH A SLOPE OF 4:12  
OR LESS 6'-0" MIN. ROOFS  
ROOFS ABOVE 4:12 3'-0" MIN.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

VALLEY DETAIL  
OPEN FRAMING; 3" ZEE-RIB

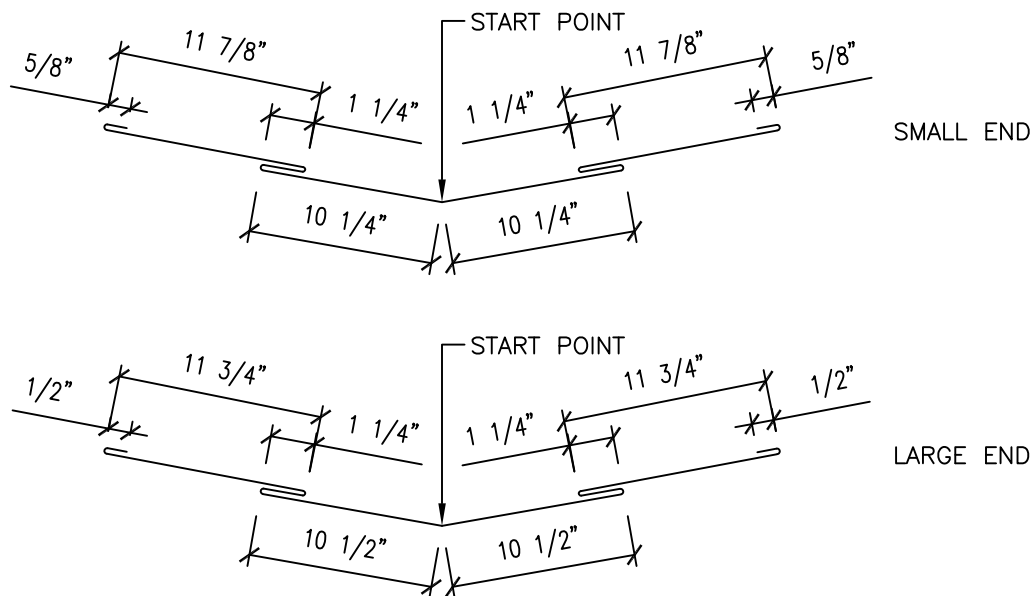
ZEE-LOCK PANEL

DATE: 1/23

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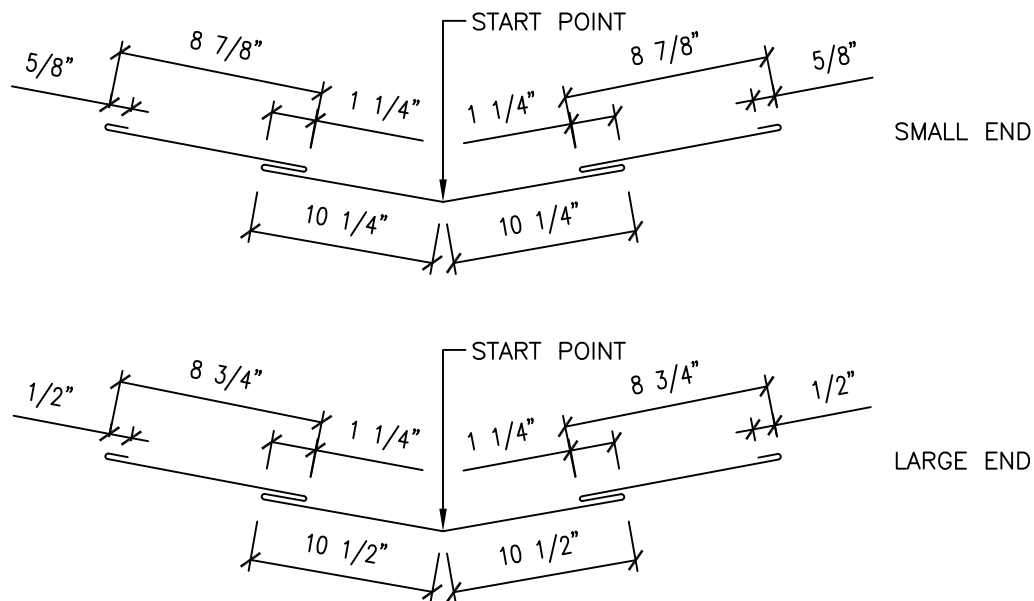
Z-72T

## FOR USE WITH 48" FLAT SHEET

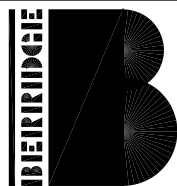


NOTE: WHEN VALLEY FLASHING DIMENSIONS ARE LAID OUT ON FLAT SHEET YOU MUST START FROM CENTER OF FLAT SHEET AND MARK OUT THE DIMENSIONS TO BOTH OUTER SIDES OF THE FLAT SHEET

## FOR USE WITH 42" FLAT SHEET



NOTE: WHEN VALLEY FLASHING DIMENSIONS ARE LAID OUT ON FLAT SHEET YOU MUST START FROM CENTER OF FLAT SHEET AND MARK OUT THE DIMENSIONS TO BOTH OUTER SIDES OF THE FLAT SHEET



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

**TAPERED VALLEY DETAIL  
W/OUT DIVERTER**

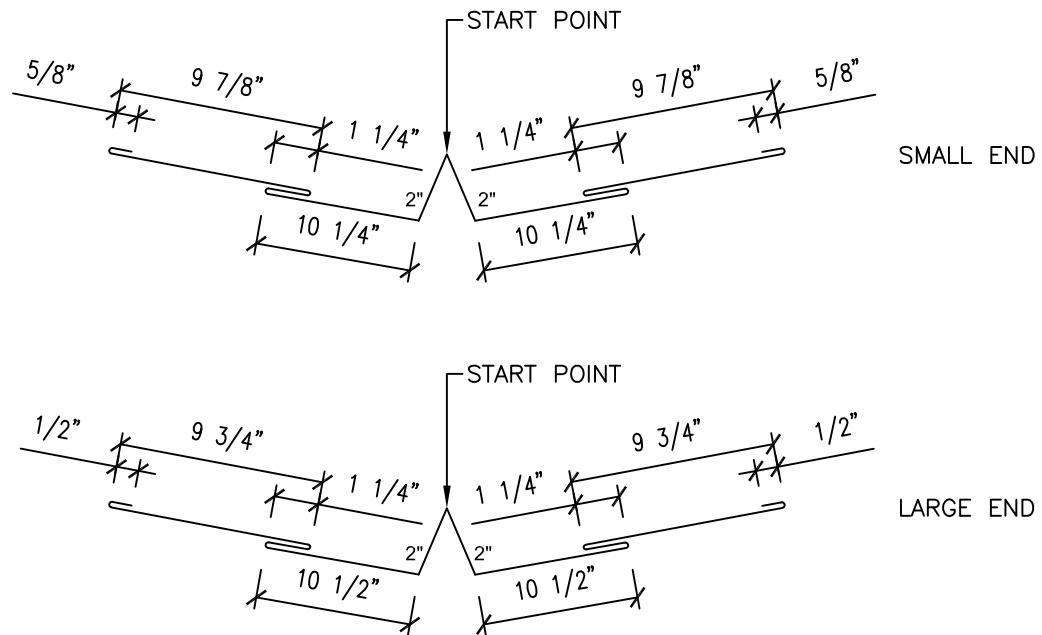
**ZEE-LOCK PANEL**

DATE: 5/23

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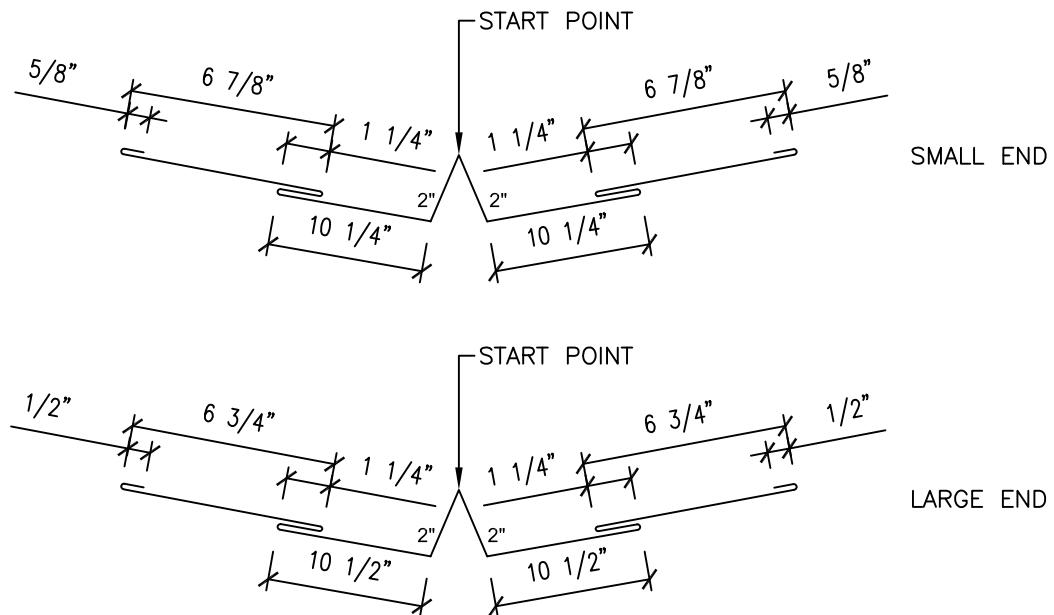
Z-73A

FOR USE WITH 48" FLAT SHEET

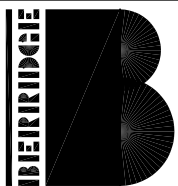


NOTE: WHEN VALLEY FLASHING DIMENSIONS ARE LAID OUT ON FLAT SHEET YOU MUST START FROM CENTER OF FLAT SHEET AND MARK OUT THE DIMENSIONS TO BOTH OUTER SIDES OF THE FLAT SHEET

FOR USE WITH 42" FLAT SHEET



NOTE: WHEN VALLEY FLASHING DIMENSIONS ARE LAID OUT ON FLAT SHEET YOU MUST START FROM CENTER OF FLAT SHEET AND MARK OUT THE DIMENSIONS TO BOTH OUTER SIDES OF THE FLAT SHEET



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

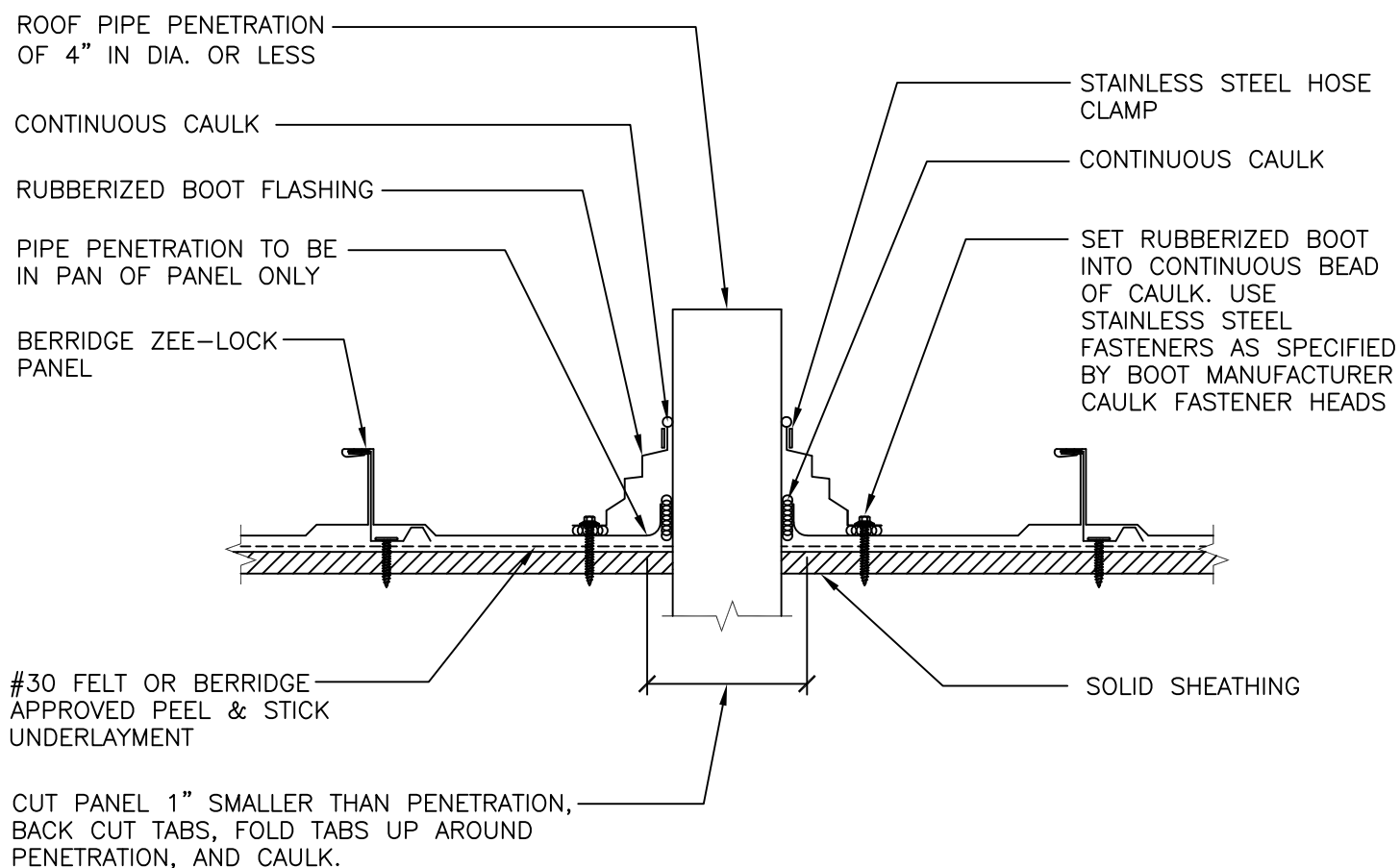
TAPERED VALLEY DETAIL  
W/ 2" DIVERTER

ZEE-LOCK PANEL

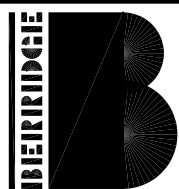
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Z-73B



1. PIPE PENETRATION TO BE IN PAN OF PANEL ONLY
2. FIELD CUT HOLE IN PANEL 1" LESS THAN DIA. OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK. CAULK CONTINUOUS.
3. IF PANELS ARE 30' OR LONGER, CUT HOLE TO ALLOW FOR THERMAL MOVEMENT.
4. IF PIPE IS METAL, IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

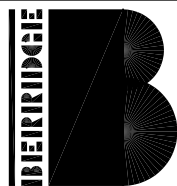
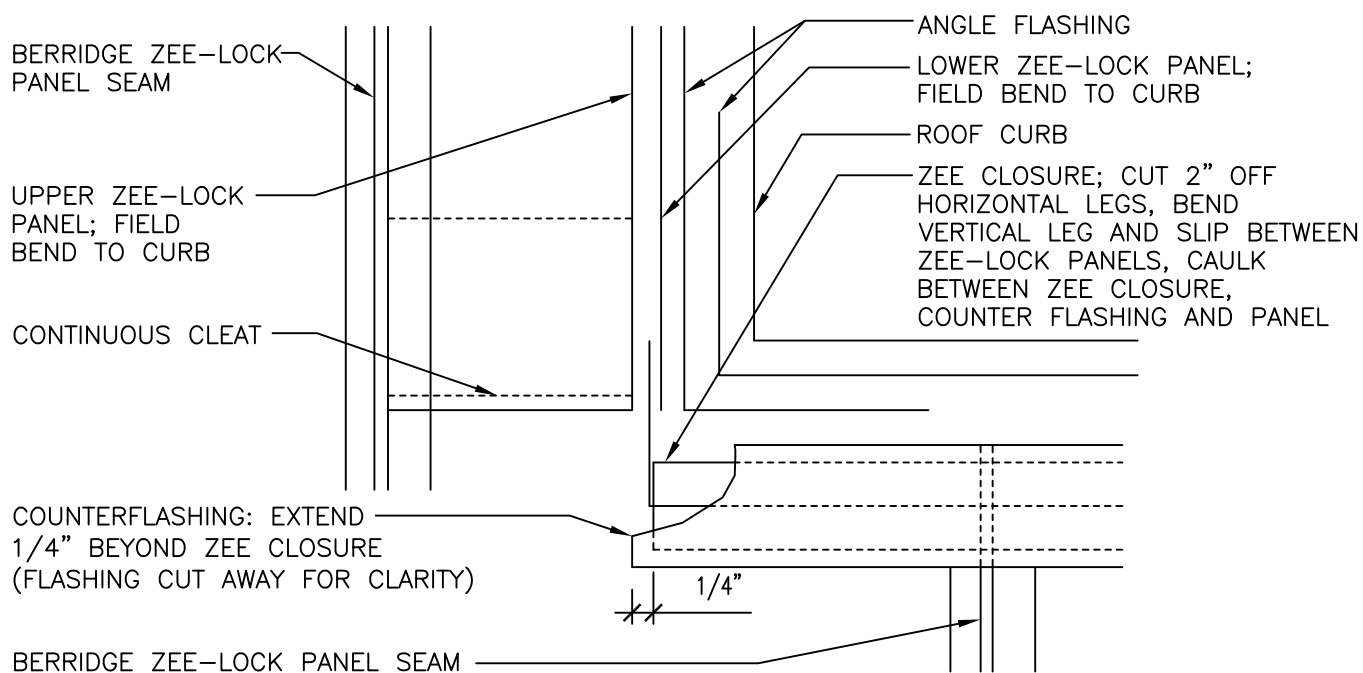
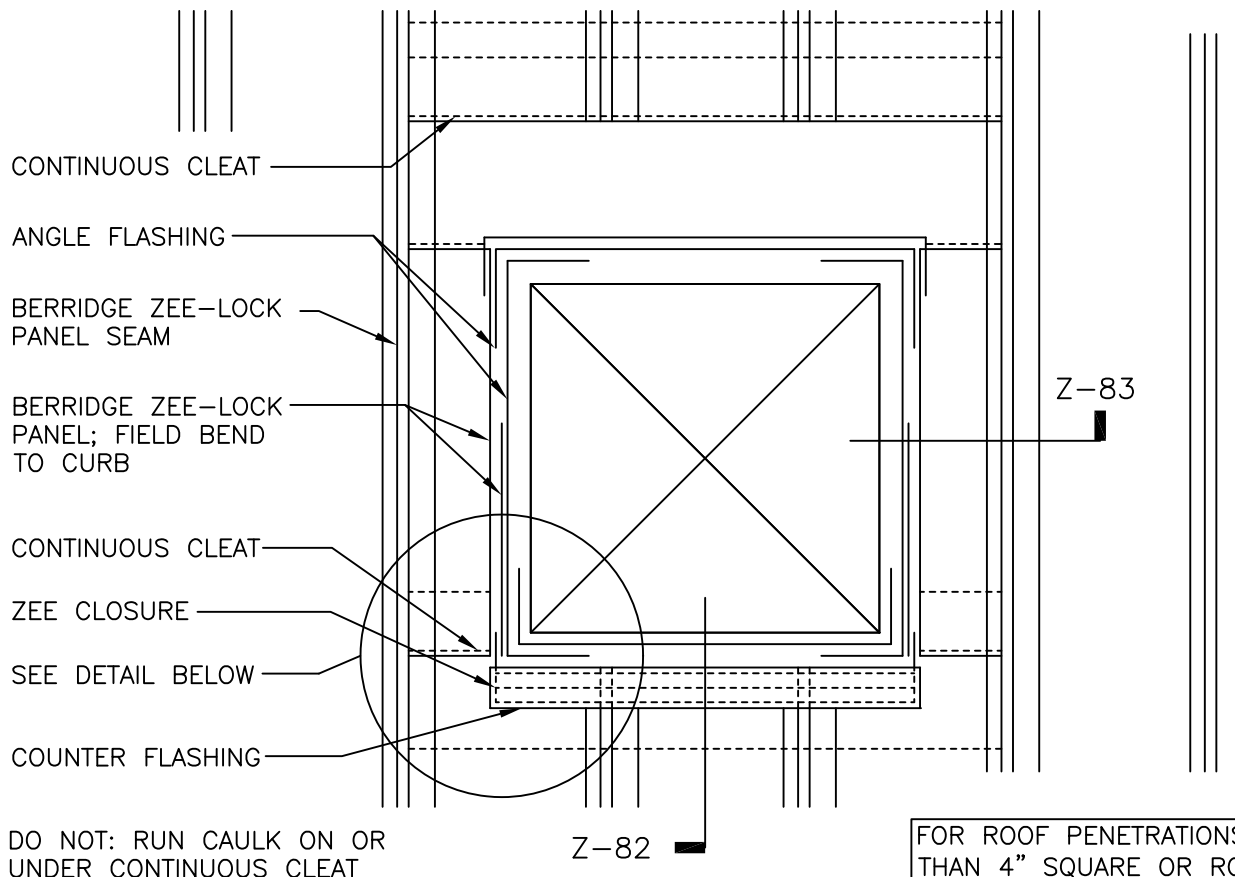
PIPE PENETRATION  
(PREFERRED METHOD)  
IN PAN OF PANEL ONLY  
OPEN FRAMING AND SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-80



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

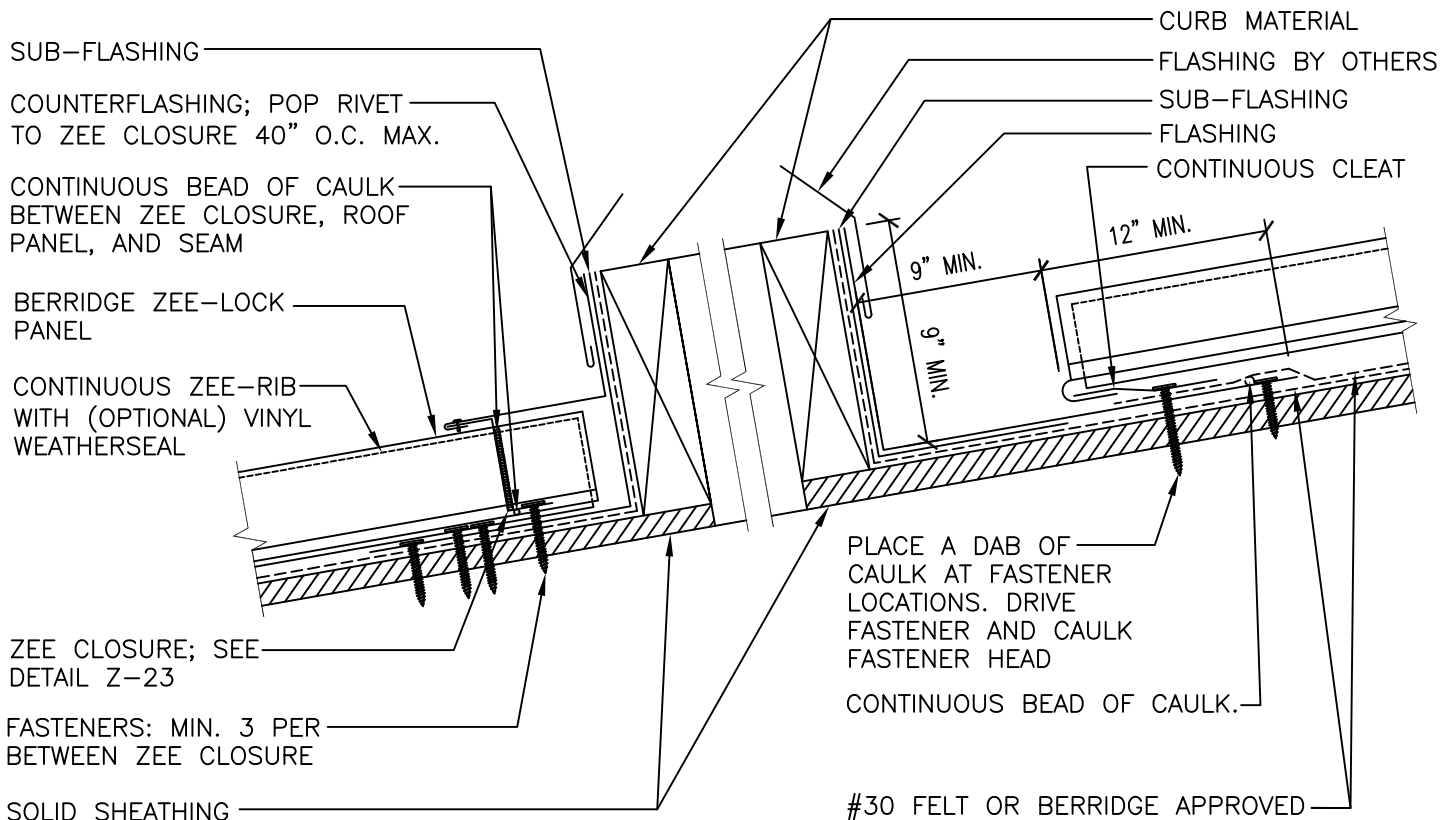
SQUARE PENETRATION  
PLAN VIEW  
OPEN FRAMING AND SOLID SUBSTRATE

ZEE-LOCK PANEL

DATE: 5/23

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Z-81



FOR ROOF PENETRATIONS LARGER  
THAN 4" SQUARE OR ROUND

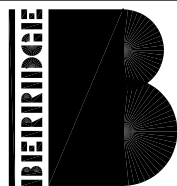
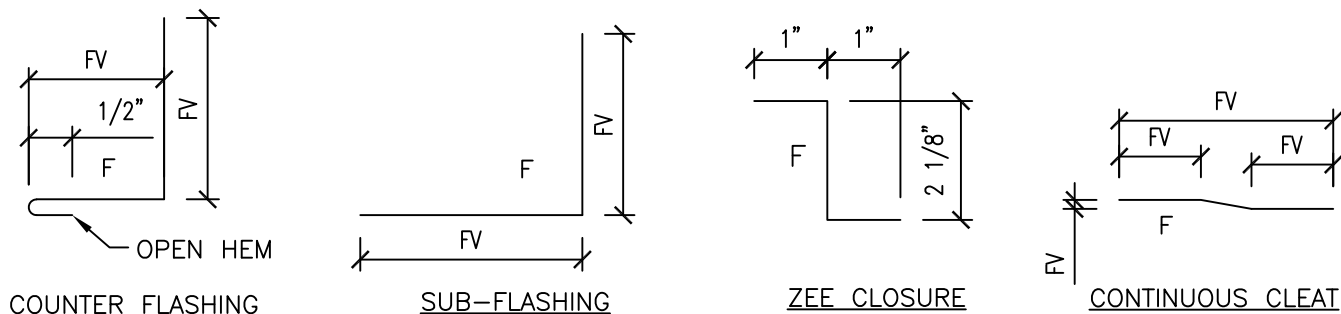
#30 FELT OR BERRIDGE APPROVED  
PEEL & STICK UNDERLAYMENT.  
INSTALL 36" OR FULL ROLL STRIP  
PLY OVER THE FLASHING.

NOTE: DO NOT RUN A CONTINUOUS BEAD  
OF CAULK IN CLEAT OR UNDER CLEAT.

1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS Z-85 & Z-86)
2. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

SQUARE PENETRATION  
SECTION A  
OPEN FRAMING AND SOLID SUBSTRATE

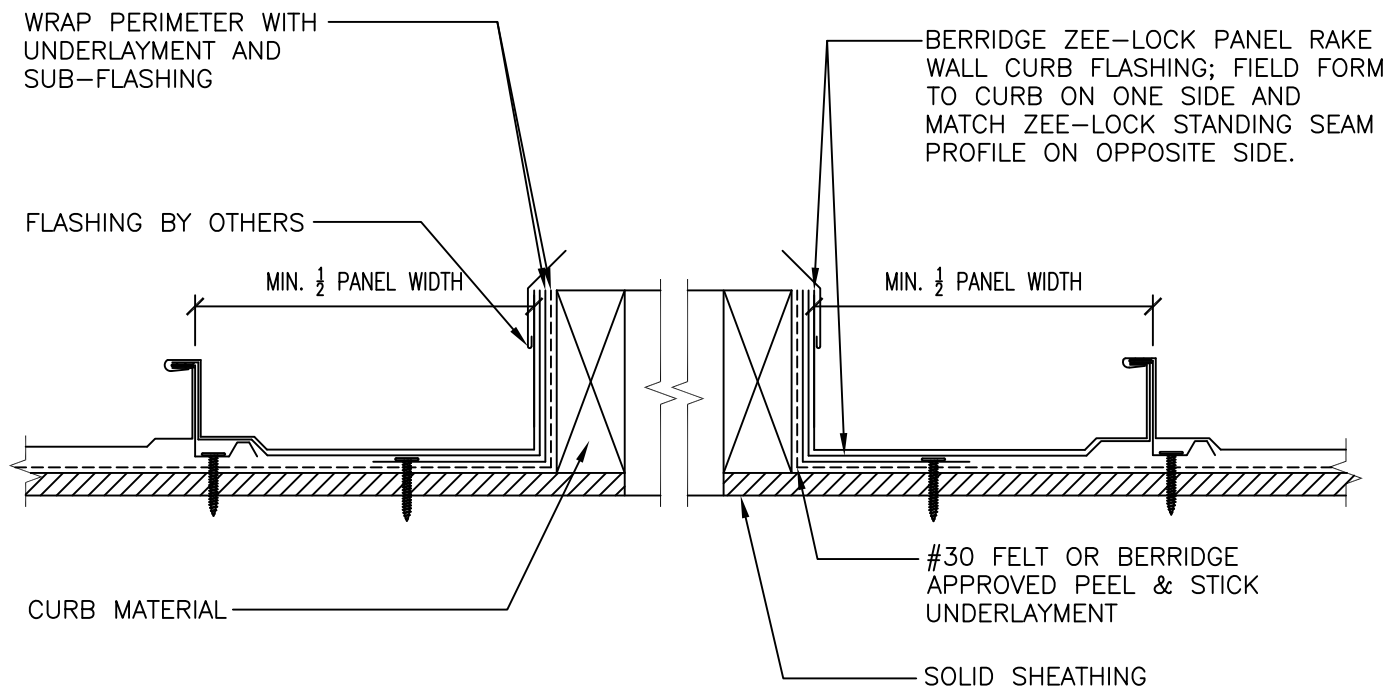
ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

Z-82

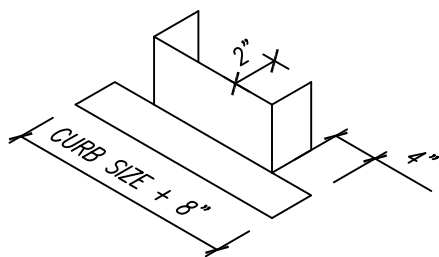
FOR ROOF PENETRATIONS LARGER  
THAN 4" SQUARE OR ROUND



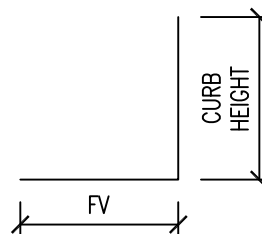
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS Z-85 & Z-86)
2. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE: ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

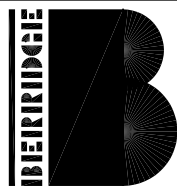
F = FINISH SIDE  
FV = FIELD VERIFY



WRAP FLASHING



SUB-FLASHING



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

SQUARE PENETRATION  
SECTION B  
OPEN FRAMING AND SOLID SUBSTRATE

ZEE-LOCK PANEL

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Z-83

FOR ROOF PENETRATIONS LARGER  
THAN 4" SQUARE OR ROUND

INSTALL CONTINUOUS BEAD  
OF CAULK UNDERNEATH AND  
ON TOP OF OFFSET CLEAT;  
THEN INSTALL BERRIDGE  
APPROVED PEEL AND STICK  
ON TOP OF CLEAT BACK  
ONTO ROOF

CONTINUOUS  
CLEAT

FLASHING

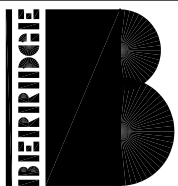
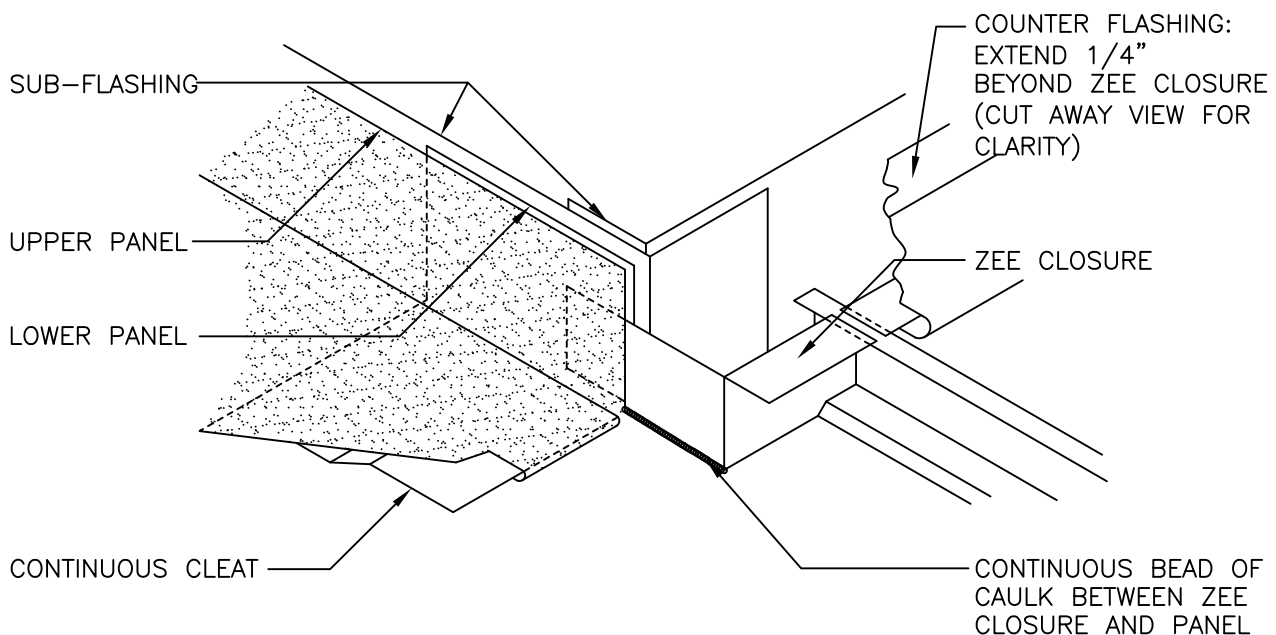
HEM PANEL PAN  
UNDER BOTH SIDES  
OF PENETRATION

BERRIDGE ZEE-LOCK PANEL  
FIELD BEND TO CURB

SUB-FLASHING

SEE DETAIL BELOW

ZEE CLOSURE: CUT  
AND BEND AT END  
AND CAULK



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

SQUARE PENETRATION  
ISOMETRIC  
OPEN FRAMING AND SOLID SUBSTRATE

ZEE-LOCK PANEL

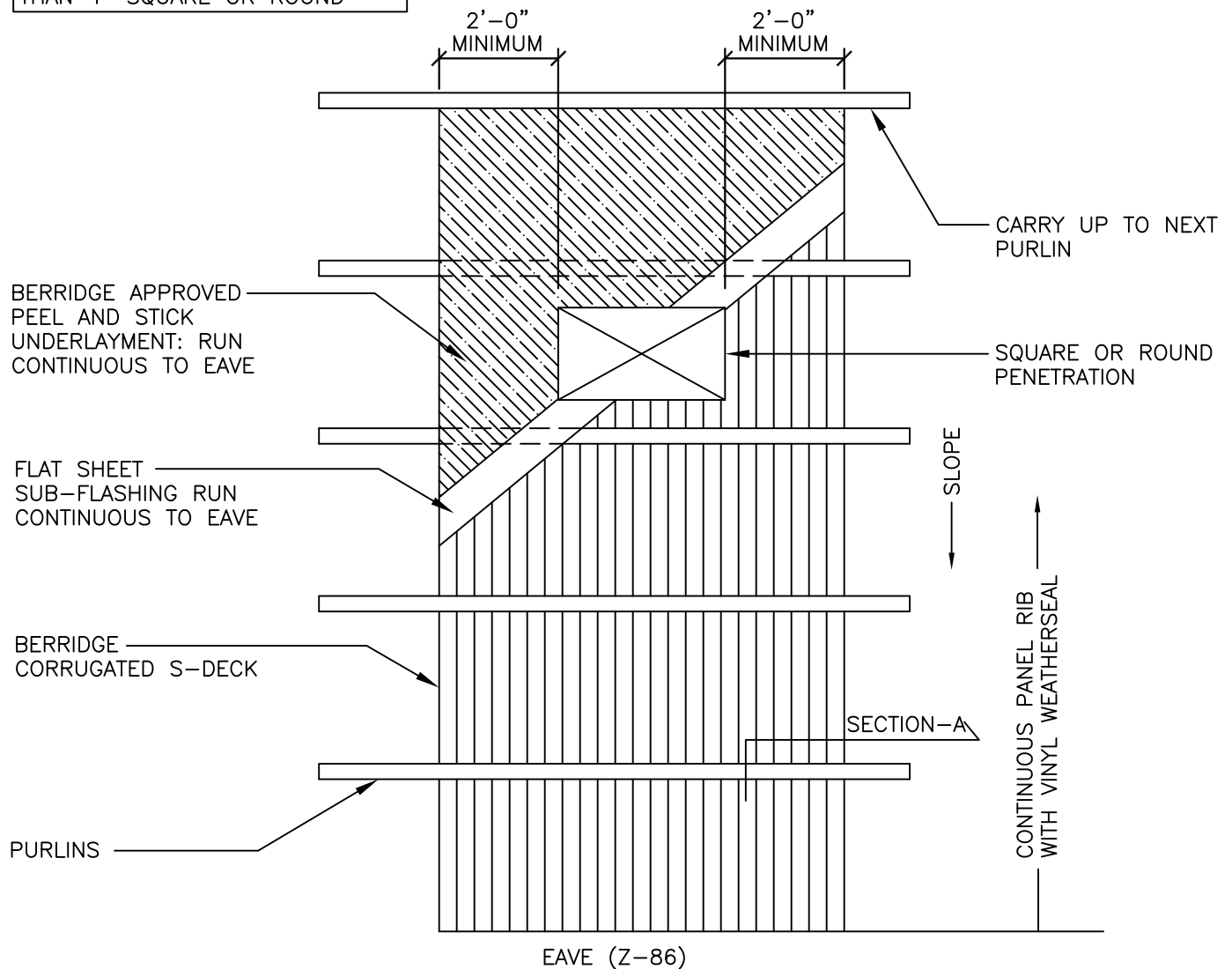
DATE: 5/23

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Z-84

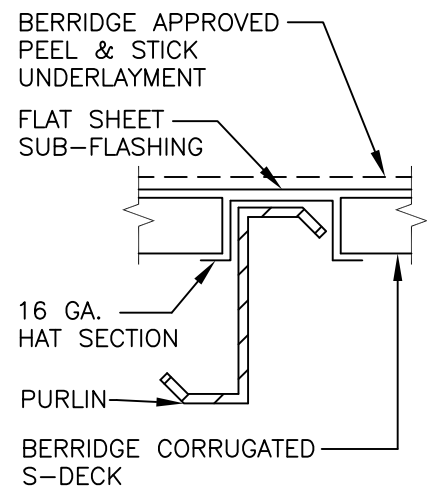
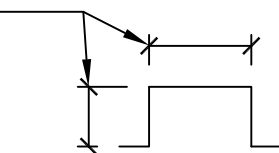


OPEN FRAMING INSTALLATION, FOR  
ROOF PENETRATIONS LARGER  
THAN 4" SQUARE OR ROUND

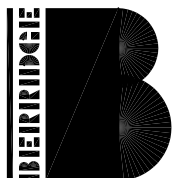


A 40-MIL MINIMUM THICKNESS, SELF-ADHERING MEMBRANE IS REQUIRED. REFER TO [WWW.BERRIDGE.COM](http://WWW.BERRIDGE.COM) FOR LIST OF APPROVED PRODUCTS.

16 GA. HAT SECTION SIZED TO FIT OVER PURLIN AND TO ACCOMMODATE THE DEPTH OF THE BERRIDGE CORRUGATED S-DECK.



SECTION-A



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

PENETRATION  
LARGER THAN 4"; 2" ZEE-RIB  
OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

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Z-85

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT.  
INSTALL MIN. 12" STRIP PLY OVER EAVE FLASHING.

BERRIDGE CORRUGATED S-DECK AND FLAT SHEET  
ON TOP OF PURLINS; RUN CONTINUOUS TO EAVE

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS 2" ZEE-RIB  
WITH VINYL WEATHERSEAL

FIELD CUT SEAM AND  
FORM PANEL PAN  
AROUND EAVE FLASHING

GAP; SEE NOTE 1 BELOW

MAXIMUM  
EXPANSION OF  
PANEL + 1/2"

EAVE FLASHING; 4"  
END LAPS WITH  
CONTINUOUS CAULK  
AT LAPS

GUTTER (PER ARCHITECTURAL  
PLANS)

1" WIDE  
DOUBLE  
SIDED TAPE

16 GA.  
SUPPORT  
ANGLE

3" THICK OR MORE  
INSULATION: STRIP  
AWAY 8" MINIMUM OF  
INSULATION AT EAVE  
STRUT AND LAP PAPER,  
OR PLASTIC MEMBRANE  
OVER EAVE FLASHING

FASTENERS; 20" O.C. MAX.

EAVE STRUT

BERRIDGE WALL PANEL OR FASCIA PANEL

1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART (ZI-6)

2. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.

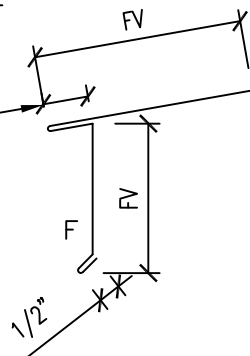
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE:FOR USE WITH 2" ZEE-RIB

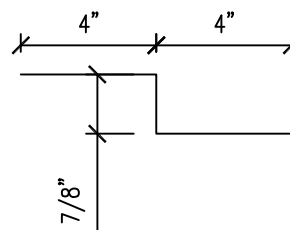
NOTE:ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY

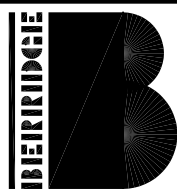
MIN. 1" OR MAXIMUM  
EXPANSION OF  
PANEL + 1/2"



EAVE FLASHING



16 GA. SUPPORT ANGLE



Roofs of Distinction

BERRIDGE  
MANUFACTURING  
COMPANY

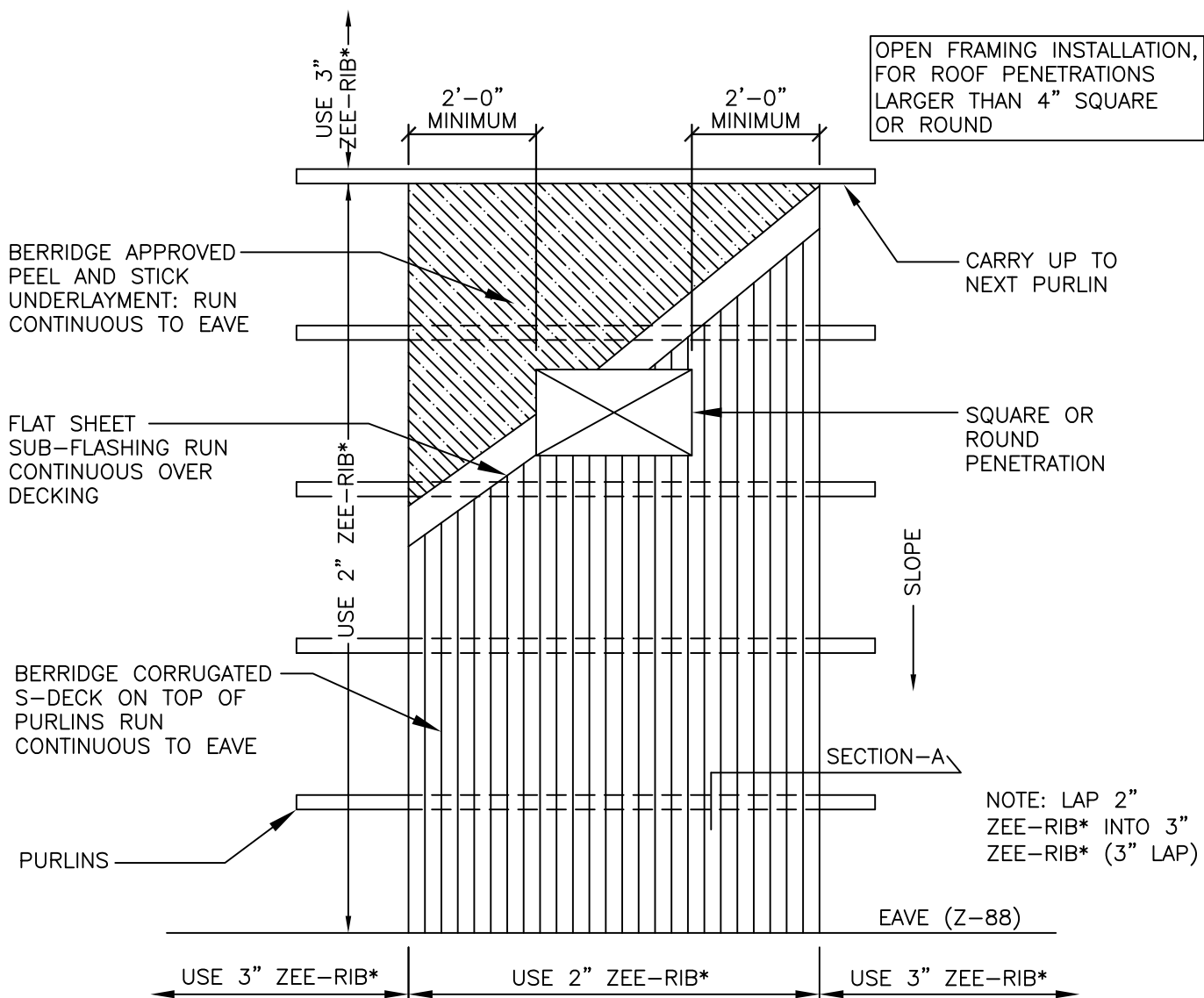
EAVE DETAIL;  
SOLID SHEATHING FOR ROOF  
ACCESS OPEN FRAMING

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

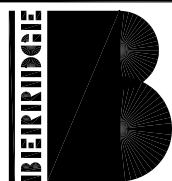
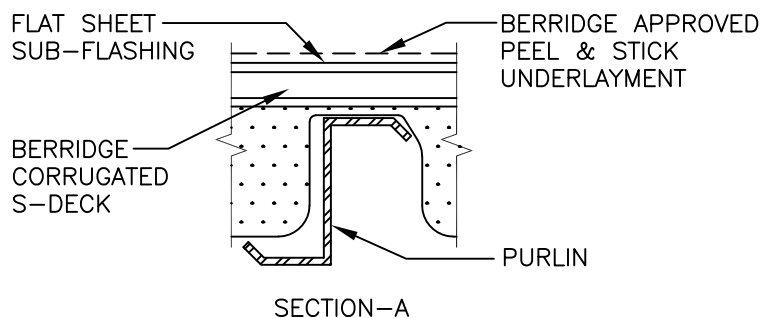
Z-86



\*NOTE: CONTINUOUS 2" AND 3" ZEE-RIBS ARE REQUIRED TO HAVE VINYL WEATHERSEAL

USE SHIMS TO KEEP THE ZEE-RIB FROM FALLING INTO THE VALLEYS OF THE CORRUGATED DECK.

A 40-MIL MINIMUM THICKNESS, SELF-ADHERING MEMBRANE IS REQUIRED. REFER TO [WWW.BERRIDGE.COM](http://WWW.BERRIDGE.COM) FOR LIST OF APPROVED PRODUCTS.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

PENETRATION  
LARGER THAN 4"; 3" ZEE-RIB  
W/ THERMAL BLOCKS & INSULATION

ZEE-LOCK PANEL

DATE: 5/23

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Z-87

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT.  
INSTALL MIN. 12" STRIP PLY OVER EAVE FLASHING.

BERRIDGE CORRUGATED S-DECK AND FLAT SHEET  
ON TOP OF PURLINS; RUN CONTINUOUS TO EAVE

BERRIDGE ZEE-LOCK PANEL

CONTINUOUS 2" ZEE-RIB  
WITH VINYL WEATHERSEAL

FIELD CUT SEAM AND  
FORM PANEL PAN  
AROUND EAVE FLASHING

GAP; SEE NOTE 1 BELOW

MAXIMUM  
EXPANSION OF  
PANEL + 1/2"

EAVE FLASHING; 4"  
END LAPS WITH  
CONTINUOUS CAULK  
AT LAPS

1" WIDE  
DOUBLE  
SIDED  
TAPE

3" THICK OR MORE  
INSULATION: STRIP AWAY 8"  
MINIMUM OF INSULATION  
AT EAVE STRUT AND LAP  
PAPER, OR PLASTIC  
MEMBRANE OVER EAVE  
FLASHING

FASTENERS; 20" O.C. MAX.

EAVE STRUT

BERRIDGE WALL PANEL OR FASCIA PANEL

1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART

2. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.

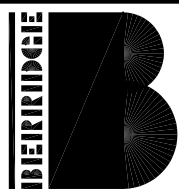
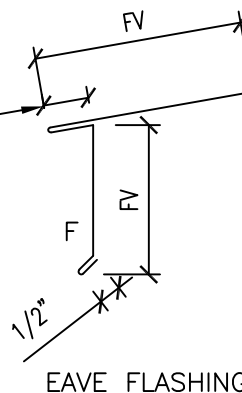
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.

NOTE:FOR USE WITH 3" ZEE-RIB

NOTE:ALL FLASHING GAUGES TO BE  
EQUAL TO THE ASSOCIATED PANEL  
GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE  
FV = FIELD VERIFY

MIN. 1" OR MAXIMUM  
EXPANSION OF  
PANEL + 1/2"



Roofs of Distinction

BERRIDGE  
MANUFACTURING  
COMPANY

EAVE DETAIL;  
SOLID SHEATHING FOR ROOF  
ACCESS OPEN FRAMING

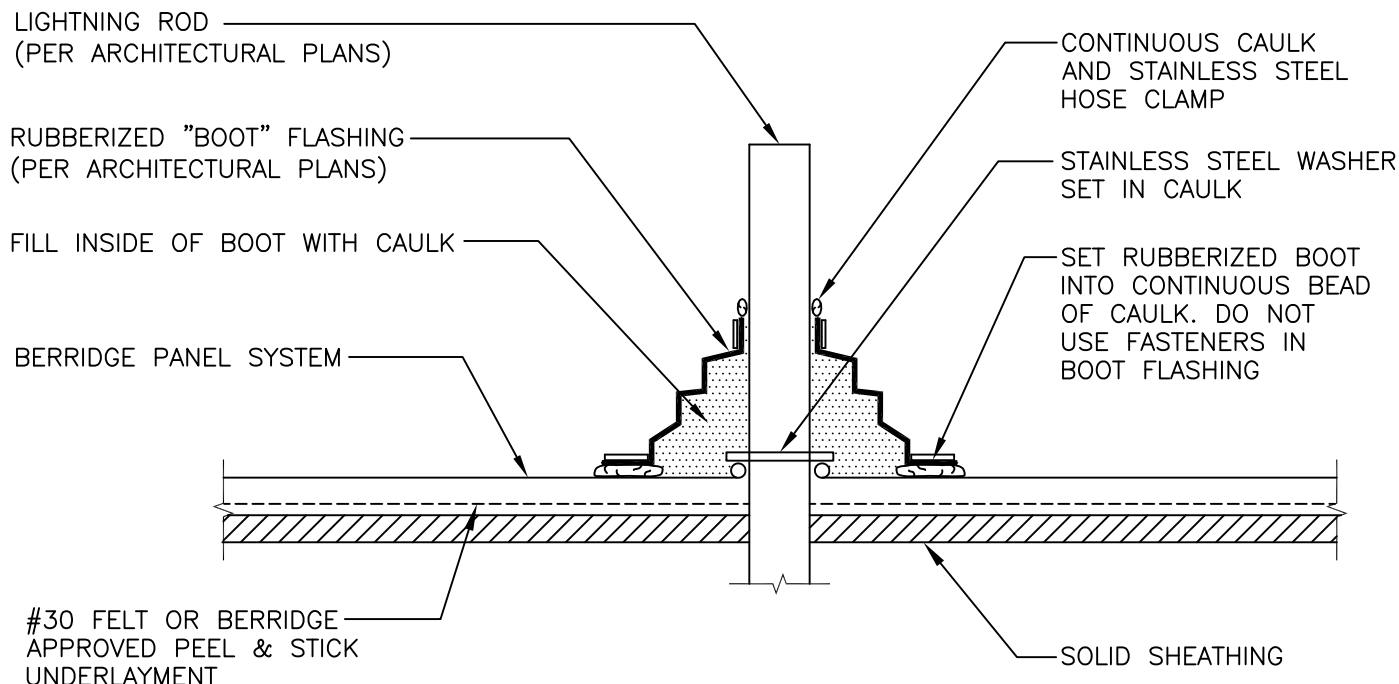
ZEE-LOCK PANEL

DATE: 5/23

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Z-88

USE ONLY STAINLESS STEEL OR ALUMINUM LIGHTNING RODS



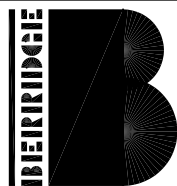
LIGHTNING CONTROL SYSTEMS ON A PROJECT ARE TO THE DISCRETION OF THE ARCHITECT OR PROJECT DESIGNER. BERRIDGE MANUFACTURING CO. MAKES NO RECOMMENDATIONS AS TO WHEN TO USE A LIGHTNING CONTROL SYSTEM.

IF A LIGHTNING CONTROL SYSTEM IS SPECIFIED, ALL COMPONENTS OF THE SYSTEM SHOULD BE OF MATERIAL COMPATIBLE WITH THE BERRIDGE ROOFING SYSTEM; ALUMINUM AND/OR STAINLESS STEEL ARE TWO METALS THAT WORK WELL. WHEN AN INCOMPATIBLE MATERIAL SUCH AS COPPER IS USED ELECTROLYTIC CORROSION OCCURS DUE TO DISSIMILAR METALS CONTACTING IN THE PRESENCE OF AN ELECTROLYTE, SUCH AS WATER. THE DISSIMILAR METALS SET UP A GALVANIC ACTION THAT RESULT IN THE DETERIORATION OF ONE OF THEM. BERRIDGE MANUFACTURING CO. WILL NOT BE HELD LIABLE FOR ANY CLAIMS DUE TO FAILURES CAUSED BY DISSIMILAR METALS.

LIGHTNING CONTROL SYSTEMS NORMALLY REQUIRE ANCHORAGE FOR THE AIR TERMINALS AND THE CABLE BASES. IF ANCHORAGE TO BERRIDGE MATERIAL IS MADE WITH AN ADHESIVE, COMPATIBILITY TO KYNAR/HYLAR PAINT SHOULD BE INVESTIGATED. IF CUTTING HOLES IN THE BERRIDGE ROOFING SYSTEM IS REQUIRED FOR ANCHORAGE, RUBBERIZED BOOTS (REFER TO THE LIGHTNING CONTROL MANUFACTURER FOR SUITABLE BOOTS) SHOULD BE USED AND SEALED TO THE BERRIDGE ROOF SYSTEM WITH TREMCO SPECTREM ONE CAULKING. IT IS POSSIBLE THAT CABLES MAY VIBRATE IN WIND AND CAUSE DAMAGE TO THE METAL AND PAINT FINISH, THEREFORE CABLES SHOULD NOT BE ALLOWED TO LAY ON TOP OF THE ROOFING PANELS OR FLASHING.

BERRIDGE MANUFACTURING WILL NOT BE RESPONSIBLE FOR WATERTIGHTNESS OF THE LIGHTNING CONTROL SYSTEM AND SHOULD BE COVERED BY THE LIGHTNING CONTROL SYSTEM INSTALLER OR MANUFACTURER.

LIGHTNING CONTROL SYSTEMS ARE TO BE DESIGNED BY AND INSTALLED BY QUALIFIED PROFESSIONALS. BERRIDGE MANUFACTURING CO. SHALL HAVE NO LIABILITY TO THE RECOMMENDATIONS OUTLINED IN THIS LETTER.



BERRIDGE  
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COMPANY

*Roofs of Distinction*

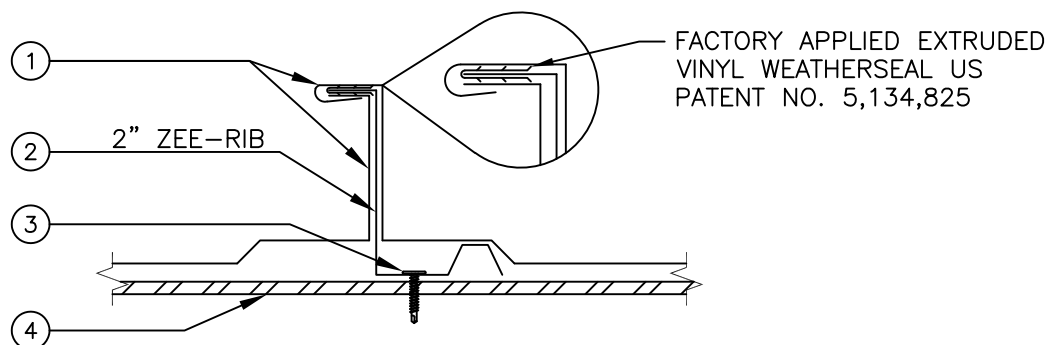
LIGHTNING ROD  
(IF APPLICABLE)

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

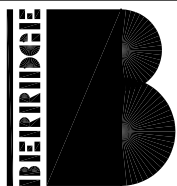
Z-89



1. BERRIDGE ZEE-LOCK PANEL \* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL. 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* - ONE PIECE ASSEMBLY FABRICATED FROM 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)
3. FASTENERS (SCREWS) - FOR ATTACHING "ZEE-CLIP RIB" (ITEM 2) TO PURLINS. USE #12 x 1 IN. SELF-DRILLING, SELF-TAPPING STEEL SCREWS. TWO FASTENERS AT EACH PURLIN LOCATION.
4. PURLINS - NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL 5'-0" MAXIMUM SPACING.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

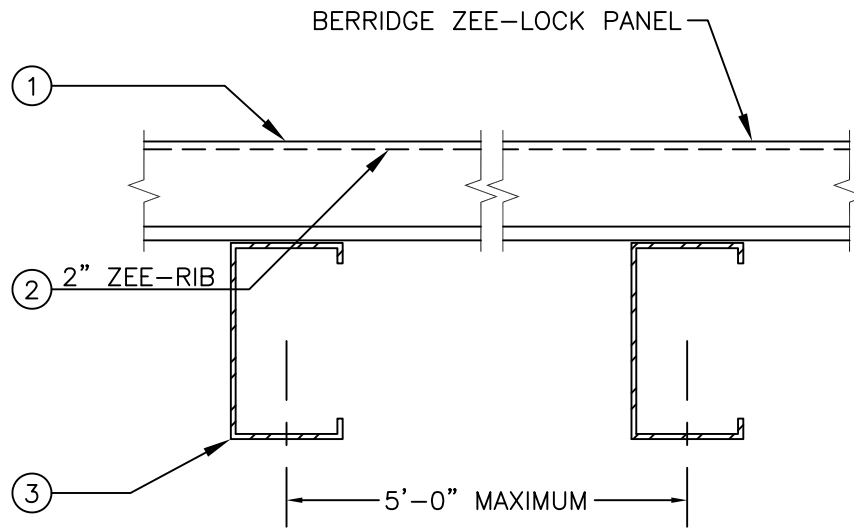
UL 90 APPROVED ASSEMBLY  
SEAM SECTIONS AND FASTENER  
SPECS CONSTRUCTION NO. 312

ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

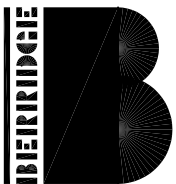
Z-90



1. BERRIDGE ZEE-LOCK PANEL \* – NO. 24 MSG MINIMUM THICKNESS COATED STEEL, 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. – "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* – ONE PIECE ASSEMBLY FABRICATED FROM 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)
3. PURLINS – NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL 5'-0" MAXIMUM SPACING.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

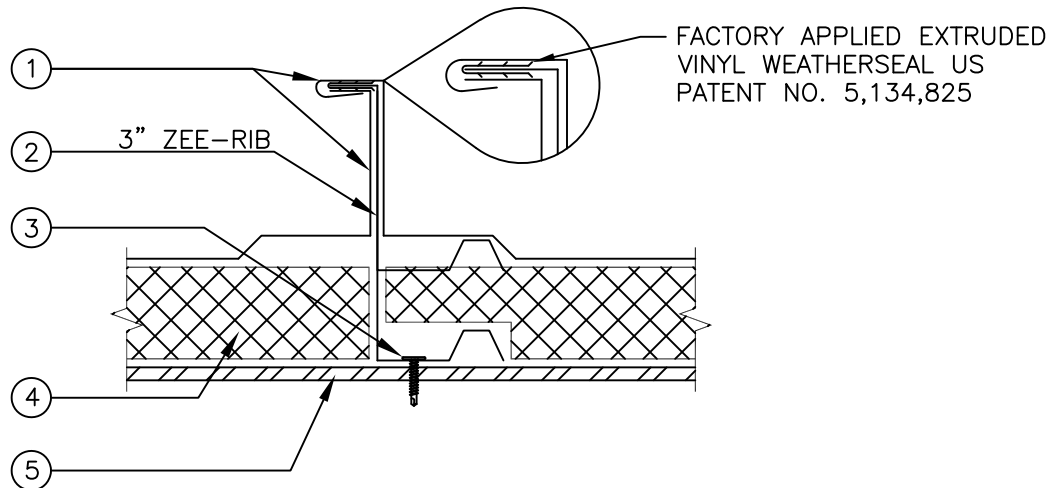
UL 90 APPROVED ASSEMBLY  
PURLIN SPACING  
CONSTRUCTION NO. 312

ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE

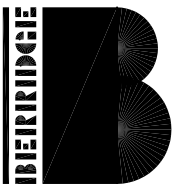
Z-91



1. BERRIDGE ZEE-LOCK PANEL \* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* - ONE PIECE ASSEMBLY FABRICATED FROM 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (3" ZEE-RIB)
3. FASTENERS (SCREWS) - FOR ATTACHING "ZEE-RIB" (ITEM 2) TO PURLINS (ITEM 5). USE #12 x 1 IN. SELF-DRILLING, SELF-TAPPING STEEL SCREWS. TWO FASTENERS AT EACH PURLIN LOCATION.
4. THERMAL BLOCK - 3" BY 16" BY 1" EXTRUDED POLYSTYRENE. (OPTIONAL)
5. PURLINS - NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL 5'-0" MAXIMUM SPACING.
6. INSULATION - (NOT SHOWN) (OPTIONAL) 6" VINYL FACED COMPRESSIBLE INSULATION. REFER TO DETAIL Z-93.



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

UL 90 APPROVED ASSEMBLY ZEE-LOCK PANEL WITH  
CONTINUOUS ZEE-RIB AND BLANKET INSULATION AND  
1" THERMAL BLOCK AND 16 GA. PURLINS AT 5'-0"  
O.C. MAX. UL CONSTRUCTION NO. 312

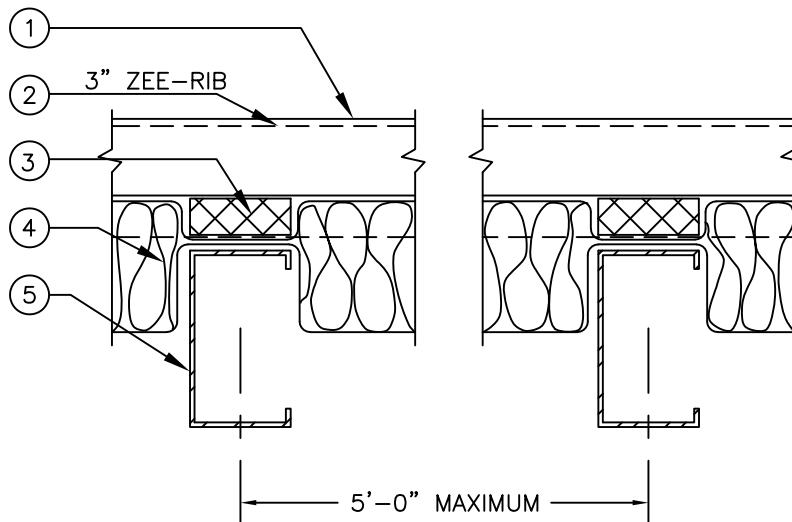
**ZEE-LOCK PANEL**

DATE: 5/23

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Z-92

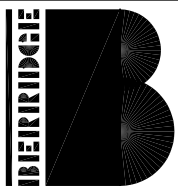




1. BERRIDGE ZEE-LOCK PANEL \* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (3" ZEE-RIB)
3. THERMAL BLOCK - 3" BY 16" BY 1" EXTRUDED POLYSTYRENE. (OPTIONAL)
4. INSULATION - 6 IN. VINYL FACED COMPRESSIBLE INSULATION. (OPTIONAL)
5. PURLINS - NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL 5'-0" MAXIMUM SPACING.



*Roofs of Distinction*

**BERRIDGE  
MANUFACTURING  
COMPANY**

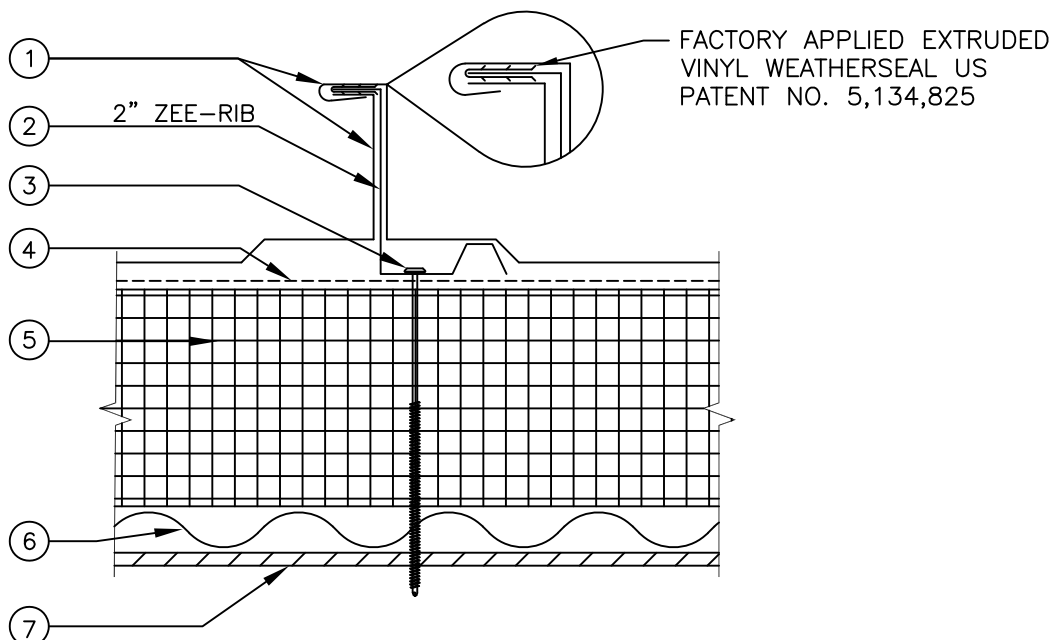
UL 90 APPROVED ASSEMBLY ZEE-LOCK PANEL WITH CONTINUOUS ZEE-RIB AND BLANKET INSULATION AND 1" THERMAL BLOCK AND 16 GA. PURLINS AT 5'-0" O.C. MAX. UL CONSTRUCTION NO. 312

**ZEE-LOCK PANEL**

DATE: 5/23

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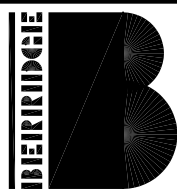
Z-93



1. BERRIDGE ZEE-LOCK PANEL \* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)
3. FASTENERS (SCREWS) -
  - A. FOR ATTACHING "ZEE-RIB" (ITEM 2) TO LINER (ITEM 6). USE #12 SELF-DRILLING STEEL SCREW THROUGH RIGID BOARD AND CONNECTED TO METAL DECK AT 18" ON CENTER. FASTENER LENGTH TO BE ADJUSTED TO ACCOUNT FOR THICKNESS OF RIGID INSULATION AND LINER PANEL WITH 3/4" MINIMUM PENETRATION INTO METAL DECK.
  - B. FOR ATTACHING "ZEE-RIB" (ITEM 2) TO PURLIN (ITEM 7) USE #12 SELF-DRILLING STEEL SCREW AT EACH PURLIN LOCATION. FASTENER LENGTH TO BE ADJUSTED TO ACCOUNT FOR THICKNESS OF RIGID INSULATION AND LINER PANEL WITH 3/4" MINIMUM PENETRATION INTO THE PURLIN.
  - C. FOR CONNECTION OF LINER (ITEM 6) TO PURLIN (ITEM 7) USE #10 X 3/4" FASTENER SPACED 5 1/2" ON CENTER. FASTENERS AT SIDE LAP TO BE SPACED 8" ON CENTER.
4. BERRIDGE APPROVED PEEL & STICK OR #30 FELT UNDERLAYMENT.
5. INSULATION - MAXIMUM 4" THICK, 2.25 PCF DENSITY 20 PSF COMPRESSIVE STRENGTH RIGID CLOSED CELL POLYISOCYANURATE CORE FIBERGLASS FACED INSULATION.
6. SUBSTRUCTURE (LINER) - NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CORRUGATION HEIGHT TO BE MINIMUM 3/4". ENDLAPS TO OCCUR OVER PURLINS WITH PANELS OVERLAPPED MINIMUM 4".
7. PURLINS - NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL. SPACING TO BE:
  - A. 5'-0" ON CENTER WHEN ITEM #2 IS CONNECTED TO ITEM #7
  - B. 4'-0" ON CENTER WHEN ITEM #2 IS CONNECTED TO ITEM #6



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

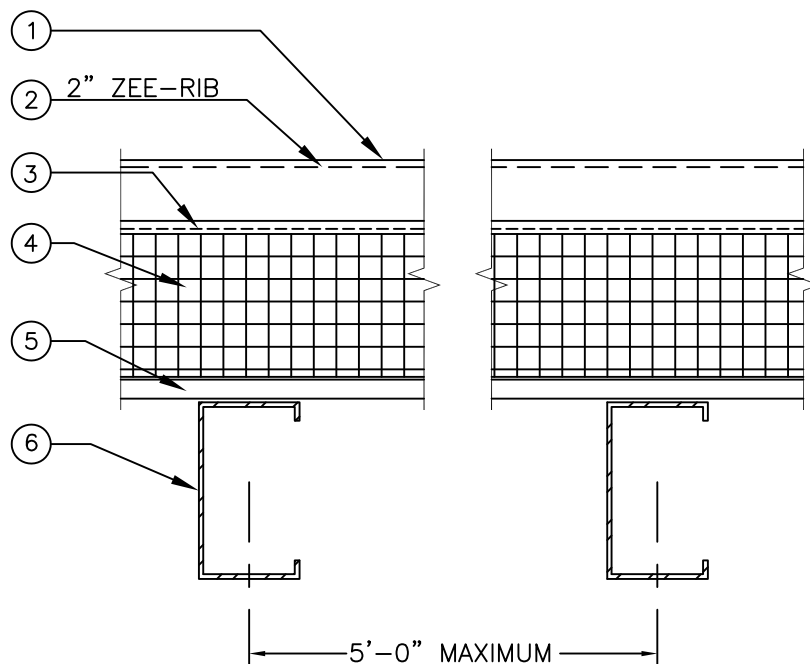
UL 90 APPROVED ASSEMBLY ZEE-LOCK PANEL WITH  
CONTINUOUS ZEE-RIB AND 4" RIGID INSULATION BOARD OVER  
BERRIDGE 24 GA. CORRUGATED S-DECK AND 16 GA. PURLINS  
AT 5'-0" O.C. MAX. UL CONSTRUCTION NO. 335

**ZEE-LOCK PANEL**

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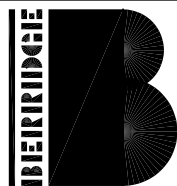
Z-94



1. BERRIDGE ZEE-LOCK PANEL \* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-RIB (CONTINUOUS) \* - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS". (ITEM 1) (2" ZEE-RIB)
3. BERRIDGE APPROVED PEEL & STICK OR #30 FELT UNDERLAYMENT.
4. INSULATION - MAXIMUM 4" THICK, 2.25 PCF DENSITY 20 PSF COMPRESSIVE STRENGTH RIGID CLOSED CELL POLYISOCYANURATE CORE FIBERGLASS FACED INSULATION.
5. SUBSTRUCTURE (LINER) - NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CORRUGATION HEIGHT TO BE MINIMUM 3/4". ENDLAPS TO OCCUR OVER PURLINS WITH PANELS OVERLAPPED MINIMUM 4".
6. PURLINS - NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL. SPACING TO BE:
  - A. 5'-0" ON CENTER WHEN ITEM #2 IS CONNECTED TO ITEM #7
  - B. 4'-0" ON CENTER WHEN ITEM #2 IS CONNECTED TO ITEM #6



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

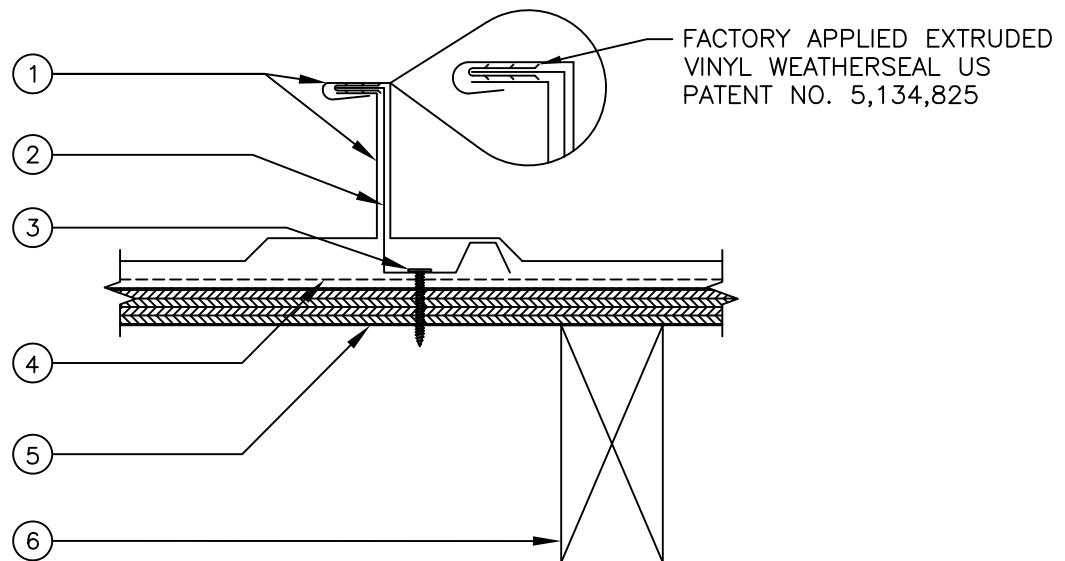
UL 90 APPROVED ASSEMBLY ZEE-LOCK PANEL WITH  
CONTINUOUS ZEE-RIB AND 4" RIGID INSULATION BOARD OVER  
BERRIDGE 24 GA. CORRUGATED S-DECK AND 16 GA. PURLINS  
AT 5'-0" O.C. MAX. UL CONSTRUCTION NO. 335

**ZEE-LOCK PANEL**

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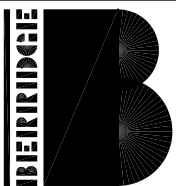
Z-95



1. BERRIDGE ZEE-LOCK PANEL \* – NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

BERRIDGE MANUFACTURING CO. – "ZEE-LOCK PANEL"

2. BERRIDGE ZEE-CLIP – ONE PIECE, 2" HIGH AND 3" LONG, ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-CLIP LOCATED 36" ON CENTER AT EACH PANEL SIDE JOINTS.
3. FASTENERS (SCREWS) –
  - A. FOR ATTACHING "ZEE-CLIPS" (ITEM 2) TO PLYWOOD (ITEM 5) USE #10 X 1" LONG PAN HEAD STEEL SCREWS. 2 PER CLIP.
  - B. FOR ATTACHING "ZEE-CLIPS" (ITEM 2) TO JOISTS (ITEM 6) #8 X 1½" LONG PAN HEAD WOOD SCREW SPACED 12" ON CENTER AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
4. BERRIDGE APPROVED PEEL & STICK OR #30 FELT UNDERLAYMENT.
5. SUBSTRUCTURE (PLYWOOD): NOMINAL 5/8" THICK, EXPOSURE SHEATHING SPAN C-D 40/20 PLYWOOD.
6. JOISTS: NOMINAL 2"x4" AT MAXIMUM 2'-0" ON CENTER.



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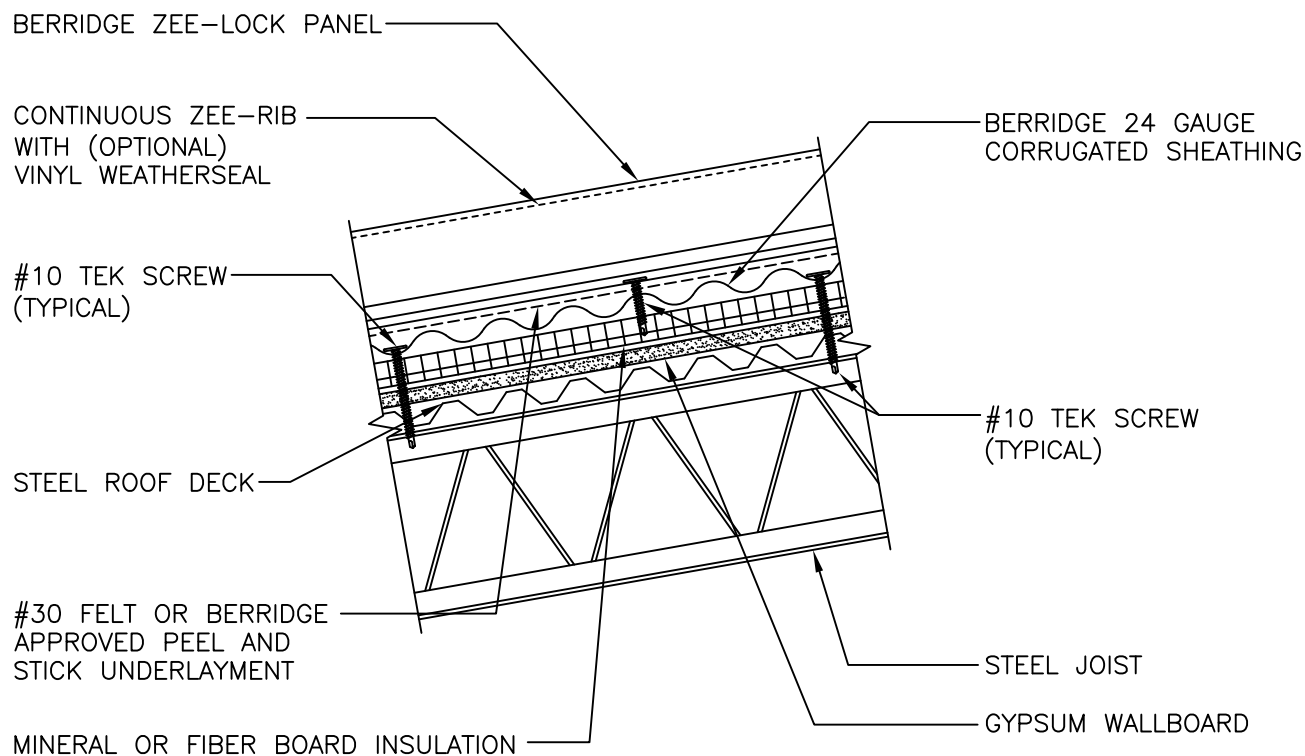
UL 90 APPROVED ASSEMBLY ZEE-LOCK PANEL  
WITH INDIVIDUAL ZEE-CLIPS OVER 5/8" PLYWOOD  
UL CONSTRUCTION NO. 403

**ZEE-LOCK PANEL**

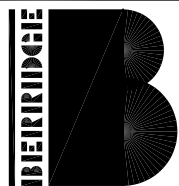
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Z-96



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK-PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS TO BE MOUNTED DIRECTLY TO THE INSULATION SYSTEM WITH FASTENERS FASTENED THROUGH INTO THE STRUCTURAL STEEL DECK.
2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE-RESISTANT ROOF ASSEMBLIES: UL DESIGN NUMBER P225, P230, P237, P250, P259, P508, P510, P514, AND P227 USING CELLULAR GLASS BLOCK IN LIEU OF MINERAL INSULATION BOARD.
3. ADDITIONAL INFORMATION REGARDING THIS ASSEMBLY IS AVAILABLE IN THE UL FIRE RESISTANCE DIRECTORY.



**BERRIDGE  
MANUFACTURING  
COMPANY**

*Roofs of Distinction*

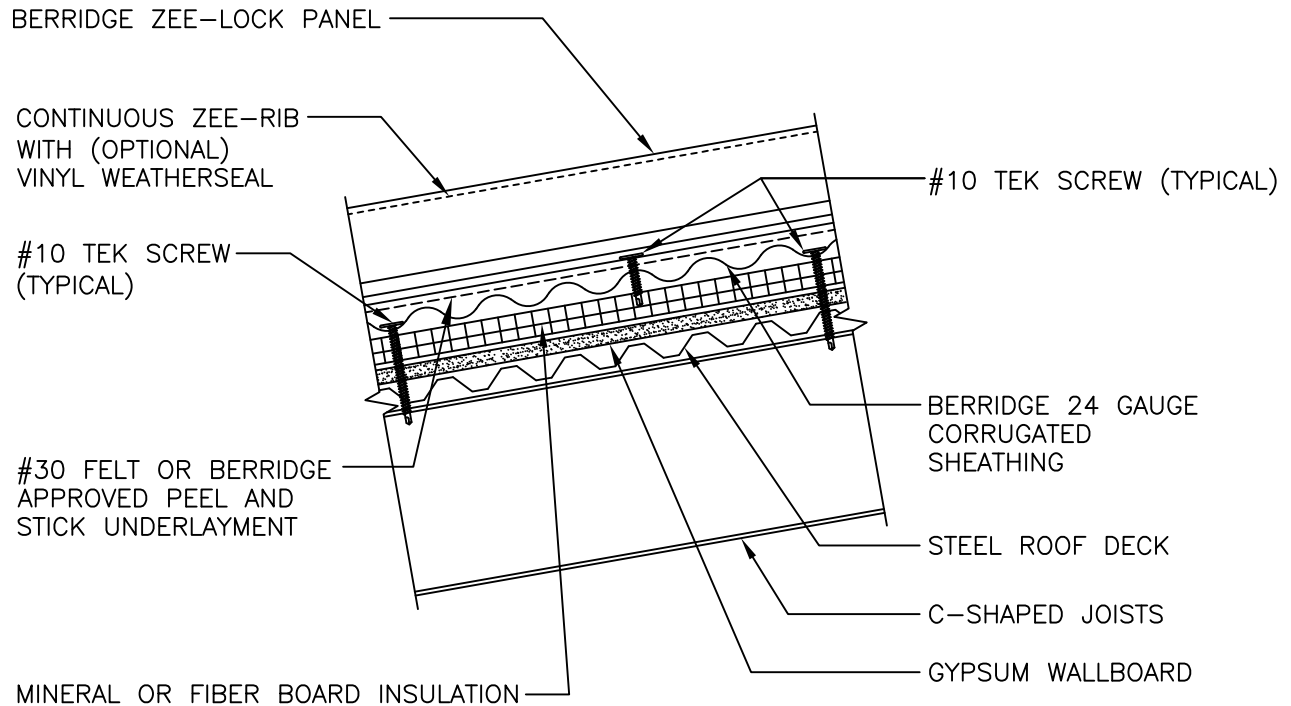
UL FIRE RESISTANCE  
ROOF ASSEMBLY

ZEE-LOCK PANEL

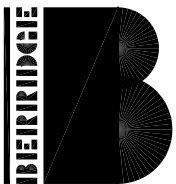
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Z-100



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK-PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS TO BE MOUNTED DIRECTLY TO THE INSULATION SYSTEM WITH FASTENERS FASTENED THROUGH INTO THE STRUCTURAL STEEL DECK.
2. THIS ASSEMBLY QUALIFIES FOR THE UL FIRE-RESISTANT ROOF ASSEMBLIES: P512 & P518, LESS THE MINERAL BOARD REQUIREMENTS.
3. ADDITIONAL INFORMATION REGARDING THIS ASSEMBLY IS AVAILABLE IN THE UL FIRE RESISTANCE DIRECTORY.



BERRIDGE  
MANUFACTURING  
COMPANY

*Roofs of Distinction*

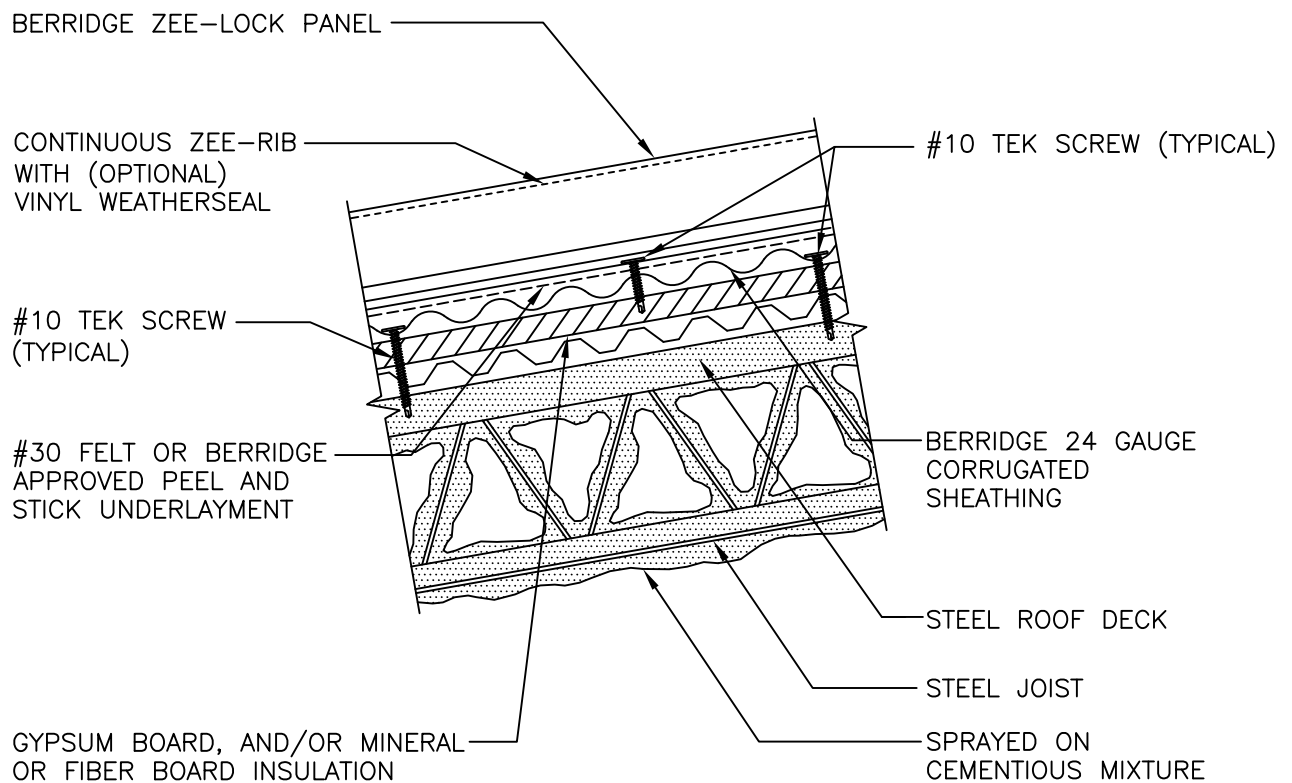
UL FIRE RESISTANCE  
ROOF ASSEMBLY

ZEE-LOCK PANEL

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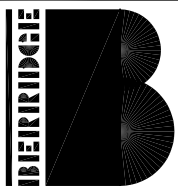
Z-101



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK-PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS TO BE MOUNTED DIRECTLY TO THE INSULATION SYSTEM WITH FASTENERS FASTENED THROUGH INTO THE STRUCTURAL STEEL DECK.

2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE RESISTANT ROOF ASSEMBLIES: UL DESIGN NUMBER P701, P711, P713, P717, P719, P720, P722, P723, P726, P731, P732, P734, P801, P815, P819 AND P824 ONLY USING SPRAYED ON FIBER IN LIEU OF CEMENTITIOUS MIXTURE.

3. ADDITIONAL INFORMATION REGARDING THIS ASSEMBLY IS AVAILABLE IN THE UL FIRE RESISTANCE DIRECTORY.



**BERRIDGE  
MANUFACTURING  
COMPANY**

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