ZEE-LOCK DOUBLE LOCK INSTALLATION DETAILS

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

800-669-0009 • www.Berridge.com

A. **BERRIDGE DOUBLE LOCK ZEE–LOCK PANEL:** THE BERRIDGE DOUBLE LOCK ZEE–LOCK PANEL IS A MODIFICATION OF THE STANDARD ZEE–LOCK PANEL SEAM. 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 DOUBLE LOCK ZEE–LOCK SIDE LAPS ARE MECHANICALLY SEAMED TO A DOUBLE LOCK CONFIGURATION IN THE FIELD WITH THE BERRIDGE POWER DRIVEN SEAMER MACHINE.

B. **MINIMUM SLOPE:** THE DOUBLE LOCK 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.

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 DOUBLE LOCK 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 REFERING TO DETAILS DZ–72, DZ–72T, DZ–85 AND DZ–86.

3. FOOT TRAFFIC ON THE PANELS MUST BE KEPT TO A MINIMUM. ARCHITECTURAL PANEL 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 DOUBLE LOCK 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 DOUBLE LOCK ZEE–LOCK TYPICAL DETAILS. BERRIDGE REQUIRES STRIP IN LAYERS OF #30 FELT UNDERLAYMENT TO BE MINIMUM 36" OR A FULL ROLL AT ALL FLASHINGS; FOR BERRIDGE APPROVED PEEL & STICK A 36" OR FULL ROLL AT VALLEY FLASHINGS 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 SELECTED FROM THE #30 FELT OR BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT AND SEALANTS LIST. BOTH UNDERLAYMENT INSTALLATION DETAILS AND APPROVED UNDERLAYMENTS AND SEALANTS LIST CAN BE FOUND ON BERRIDGE'S WEBSITE: WWW.BERRIDGE.COM

APPROVED UNDERLAYMENTS AND SEALANTS

UNDERLAYMENT INSTALLATION DETAILS

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 DZI–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 DZ–5 OVER SOLID SHEATHING, AN ALTERNATE DETAIL DZ–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
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.

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 ENSURE 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 DOUBLE LOCK 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 DOUBLE LOCK ZEE–LOCK PANEL IS DONE IMMEDIATELY AFTER THE INSTALLATION OF EACH PANEL.

T1. CONTINUOUS ZEE–RIB:

1. INSTALL ZEE–RIB AS PER BERRIDGE TYPICAL DOUBLE LOCK 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 DZ–5. ALTERNATE DETAIL DZ–6 MAY BE UTILIZED WITH ZEE–RIBS OF 10'–0" OR LESS.

T2. ZEE–LOCK CLIPS:

1. INSTALL FLOATING ZEE–LOCK CLIPS OR ZEE–LOCK CLIPS AS PER BERRIDGE TYPICAL DOUBLE LOCK 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 LOCATED UNDER THE "DOWNLOADS" TAB ON WWW.BERRIDGE.COM FOR FASTENER RECOMMENDATIONS ACCORDING TO SUBSTRATE.**

DOUBLE LOCK 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.

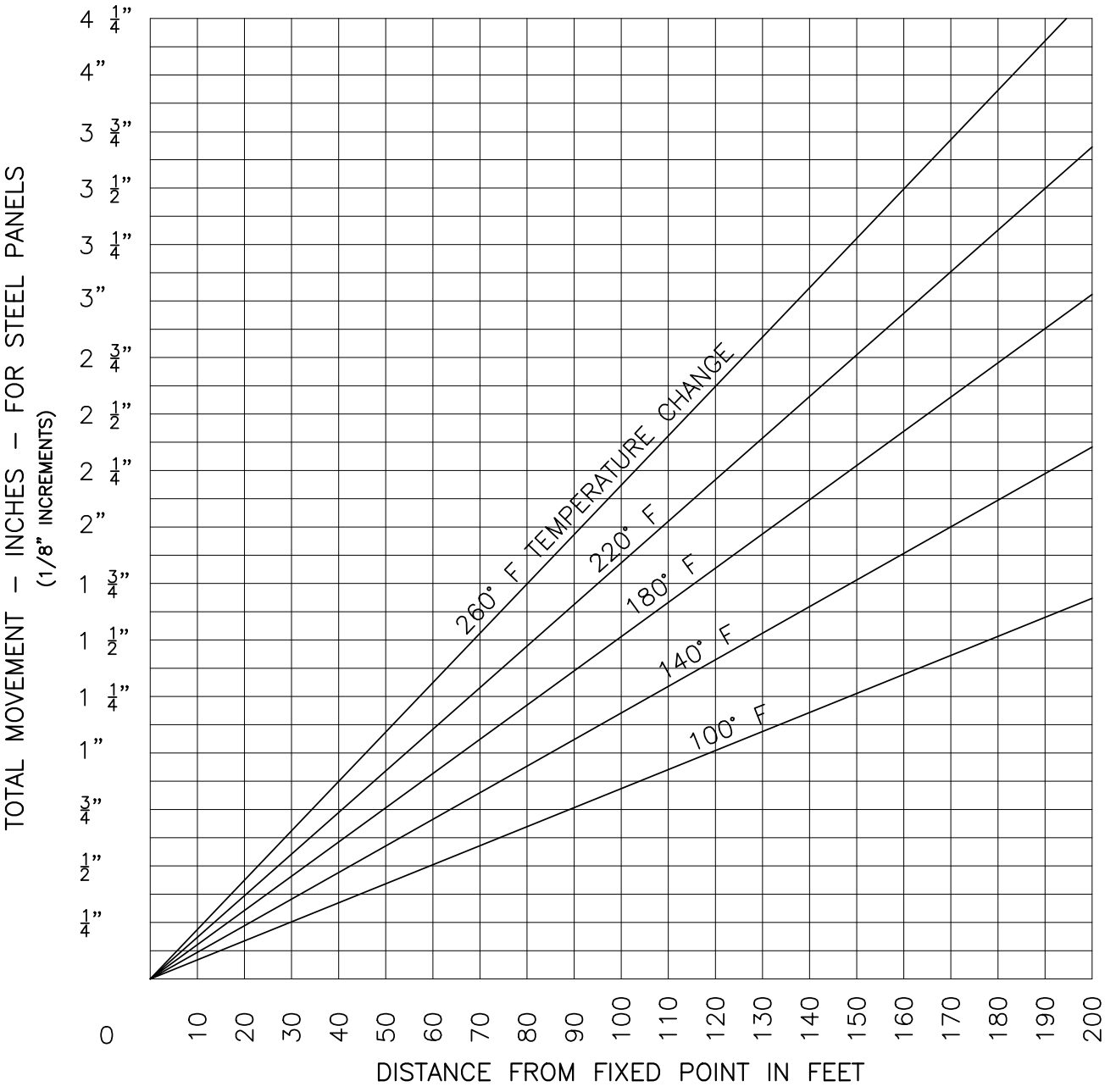
V. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE ZEE–LOCK PANEL COMPLIES WITH UL TEST PROCEDURE NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES"; REFER TO DETAILS DZ–90 – DZ–97 FOR UL 90 CONSTRUCTIONS, REFER TO DETAILS DZ–100 – DZ–102 FOR HOURLY UL FIRE RESISTANCE DESIGN ASSEMBLIES.

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.



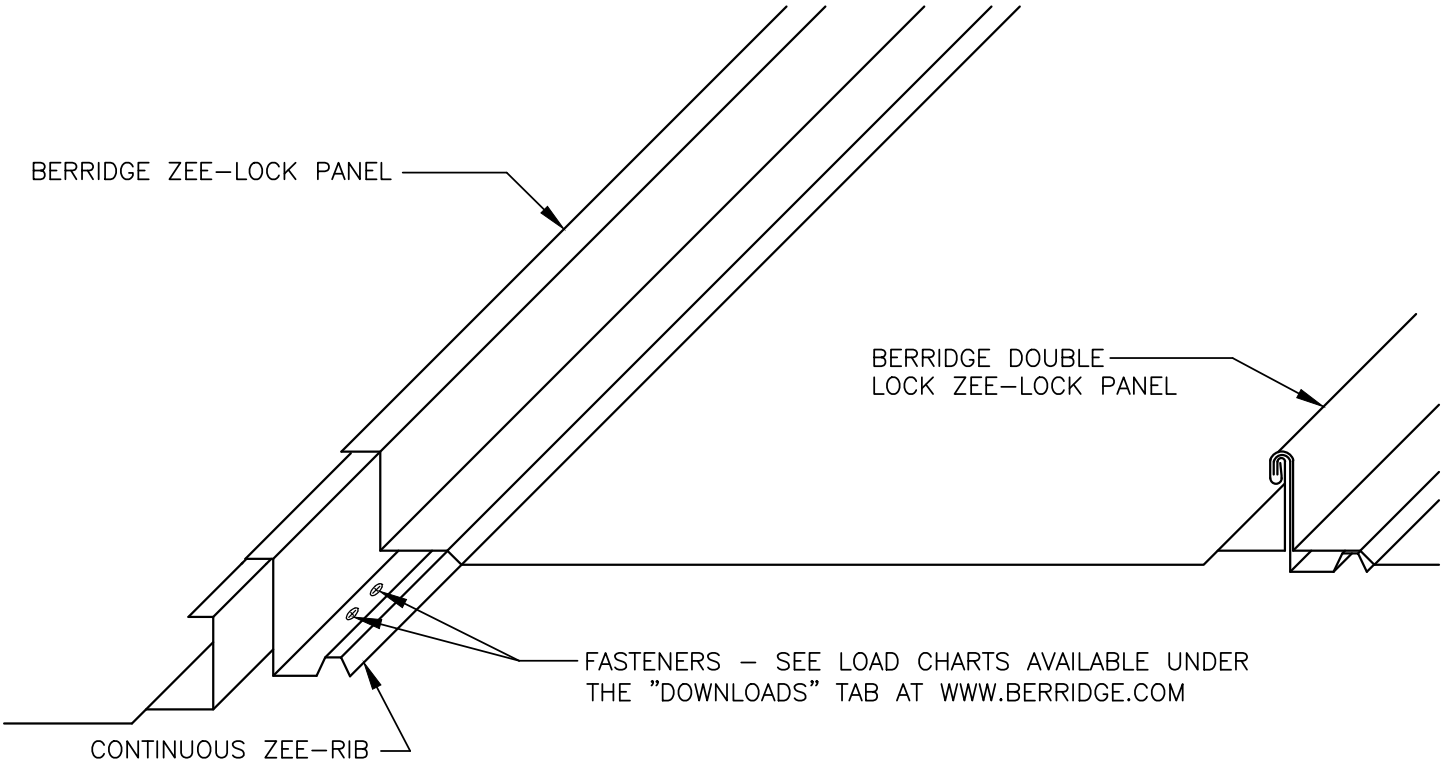
EXPANSION AND CONTRACTION OF METAL PANELS DUE TO LONGITUDINAL THERMAL MOVEMENT MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZES THE NEED TO PROVIDE AMPLE CLEARANCES FROM GUTTERS, RIDGES, ENDWALL, ETC.

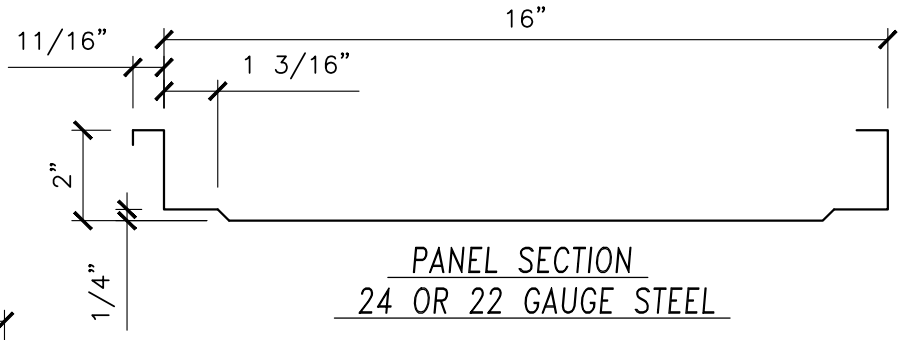
MAXIMUM TEMPERATURE SHOULD BE NO LOWER THAN 140°F FOR WHITE PANELS, UP TO 180° FOR DARK PAINTED PANELS, REGARDLESS OF AMBIENT MAXIMUM, MINIMUM SHOULD BE FIGURED WELL BELOW AMBIENT MINIMUM TO ALLOW FOR RADIATION TO NIGHT SKY. IN ANY CASE, A MINIMUM OF 100°F DIFFERENTIAL IS RECOMMENDED.

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 WEATHER PECULIARITIES.

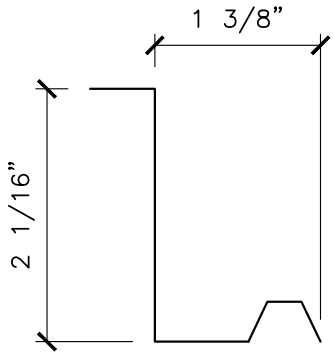
BERRIDGE MANUFACTURING COMPANY SHOULD BE HELD HARMLESS FROM ANY AND ALL CLAIMS ARISING FROM LACK OF WATERTIGHTNESS AS A RESULT OF FOLLOWING THESE RECOMMENDED DETAILS. ENSURING WATERTIGHTNESS ON ANY GIVEN PROJECT IS THE FUNCTION OF THE INSTALLER. THE ARCHITECT/GENERAL CONTRACTOR/INSTALLER MUST ACCEPT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

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



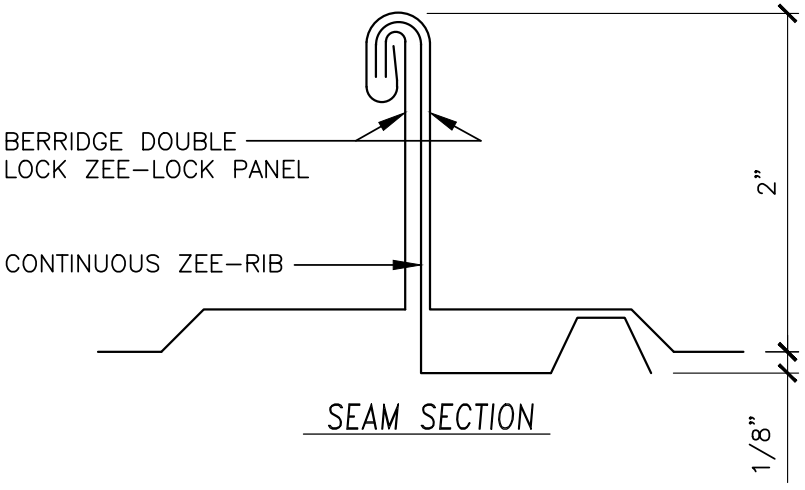


PANEL SECTION
24 OR 22 GAUGE STEEL



CONTINUOUS ZEE–RIB

NOTE: THIS PANEL DOES NOT
USE VINYL WEATHERSEAL



SEAM SECTION

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

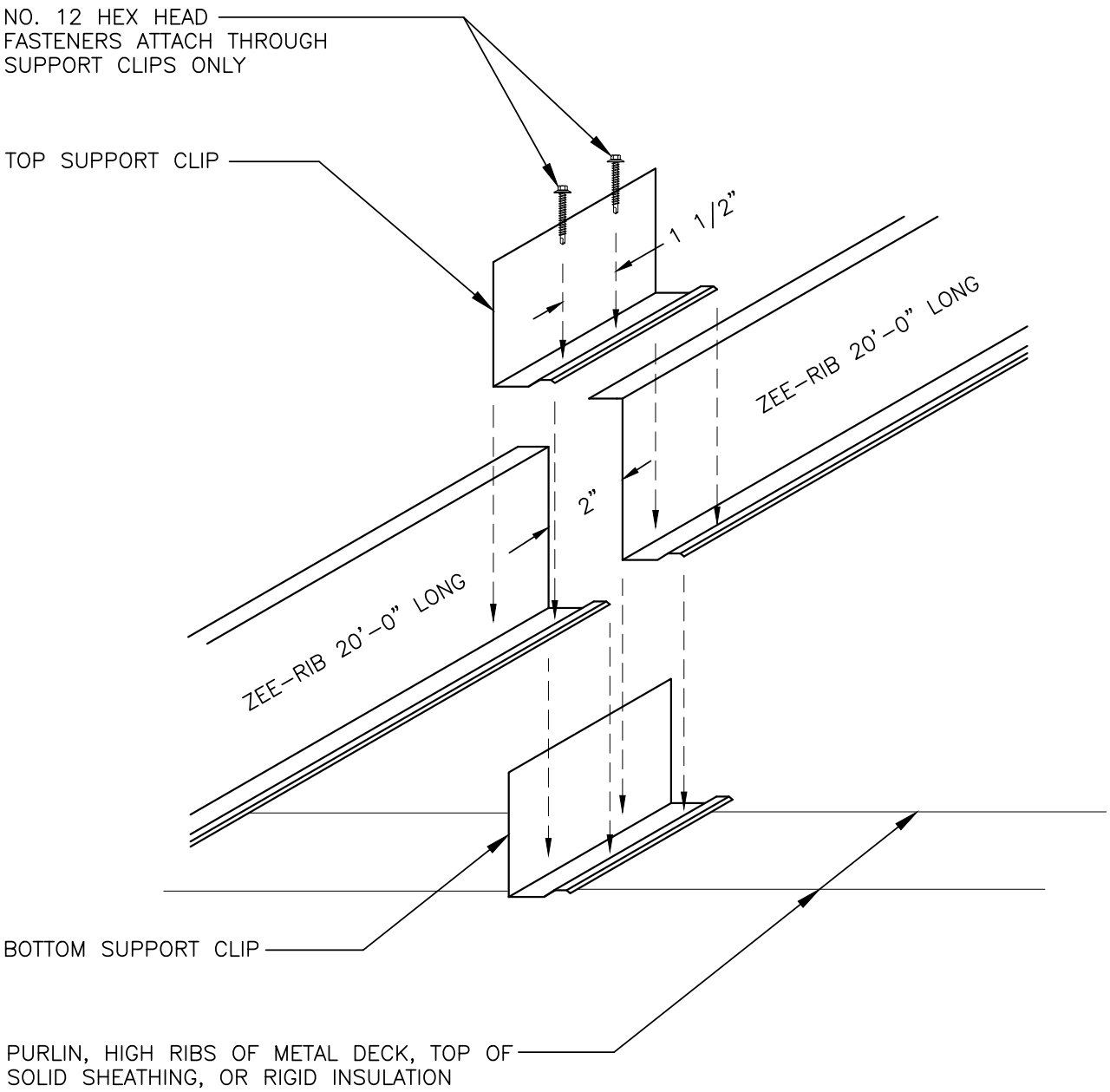
PANEL OVERVIEW
CONTINUOUS ZEE–RIB

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–4

NOT TO SCALE



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

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

EXPANSION JOINT DETAIL

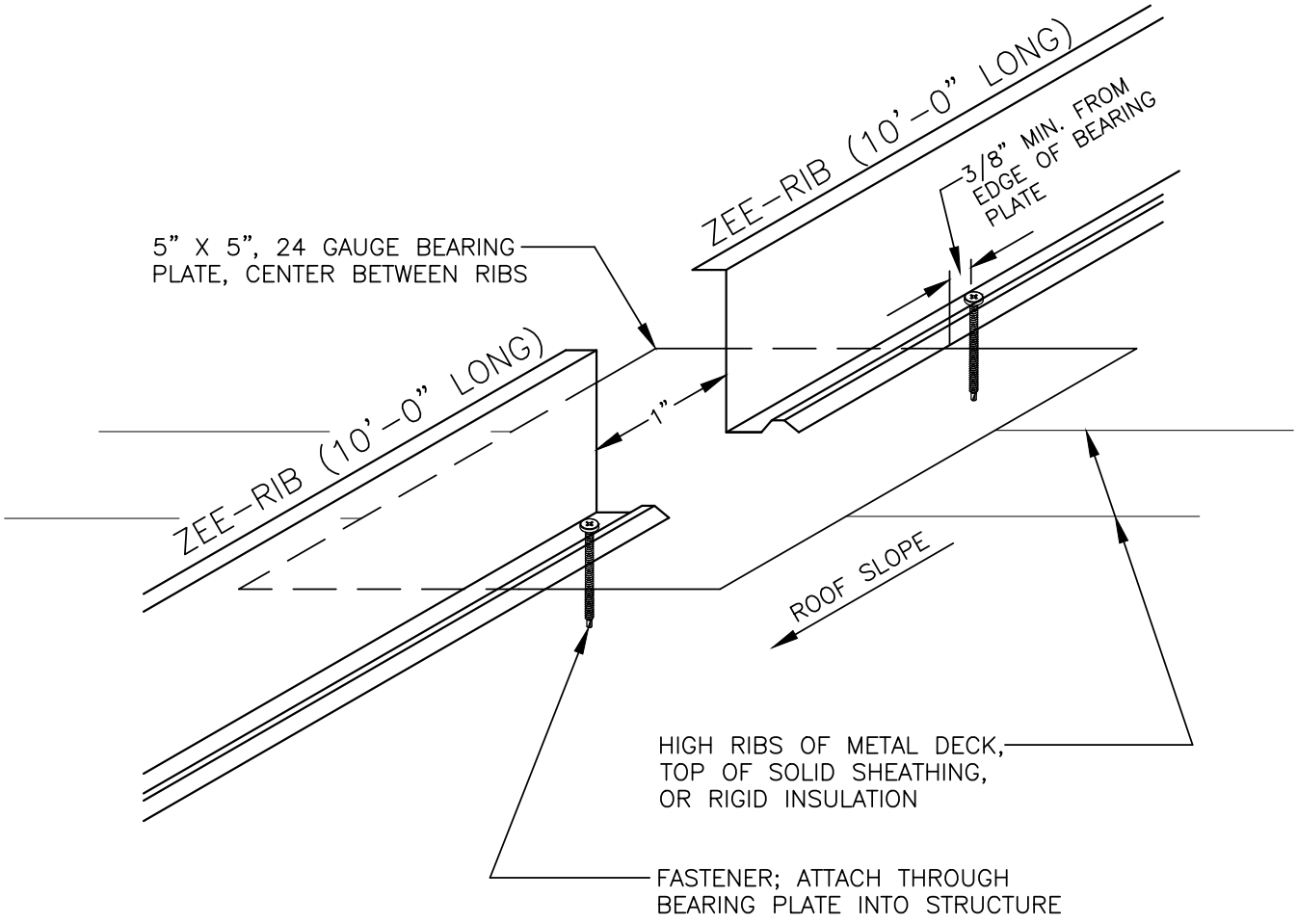
DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE

DZ-5

NOT TO SCALE



1. ONLY FOR USE WITH 10'-0" ZEE RIB, SEE ALTERNATE DETAIL DZ-5 FOR ZEE RIB LONGER THAN 10 FEET.

2. NOT FOR USE OVER OPEN FRAMING.

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

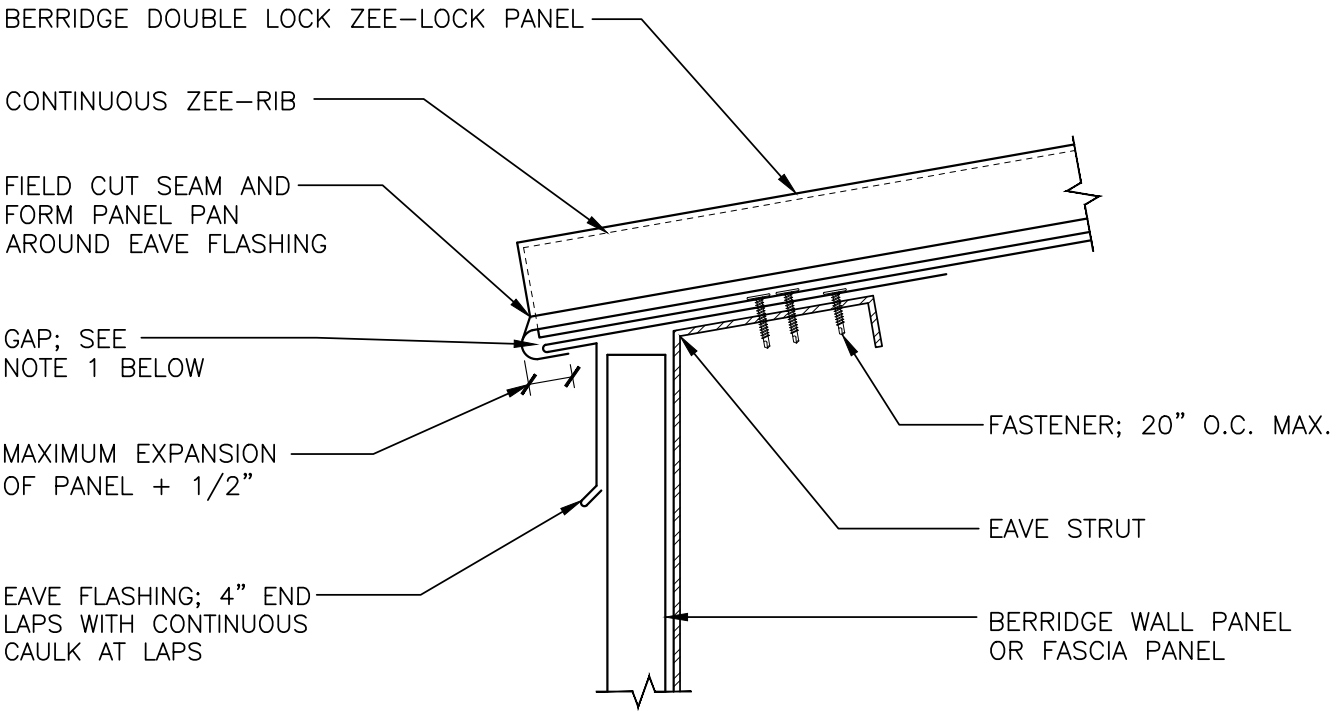
BEARING PLATE DETAIL

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE

DZ-6



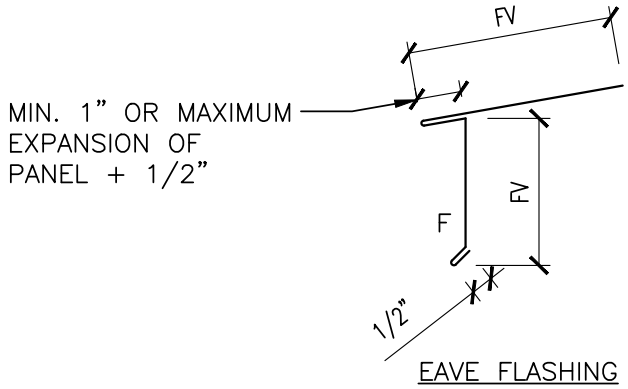
1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART

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. (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



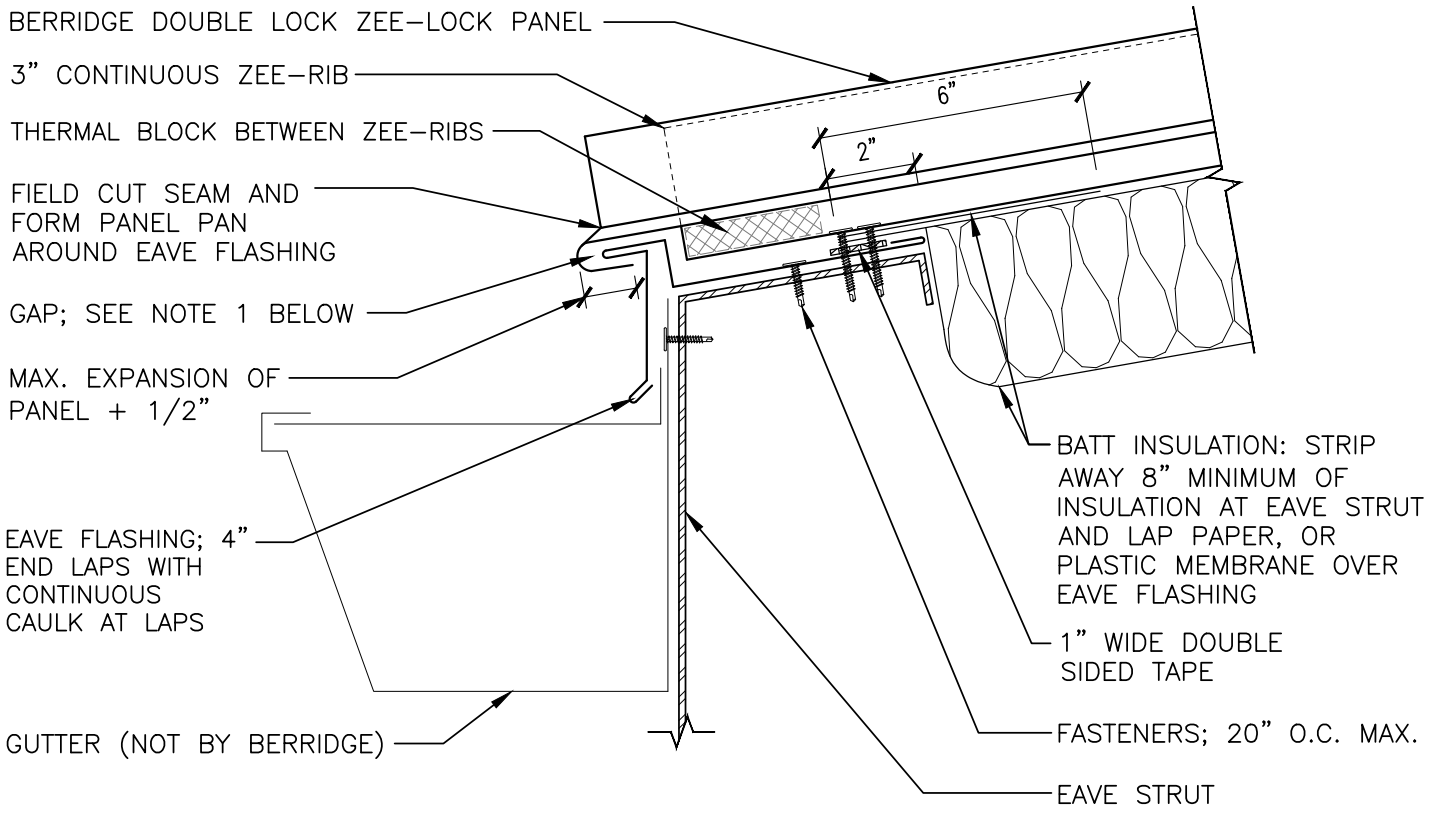
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL; PANEL TURNDOWN OPEN FRAMING

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–10



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

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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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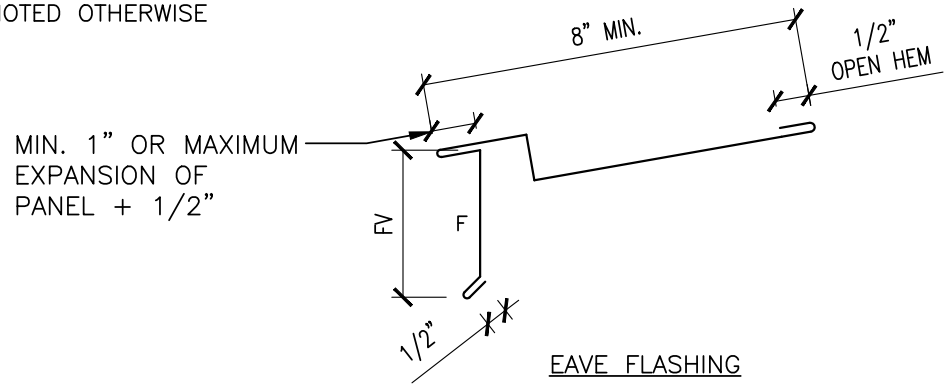

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
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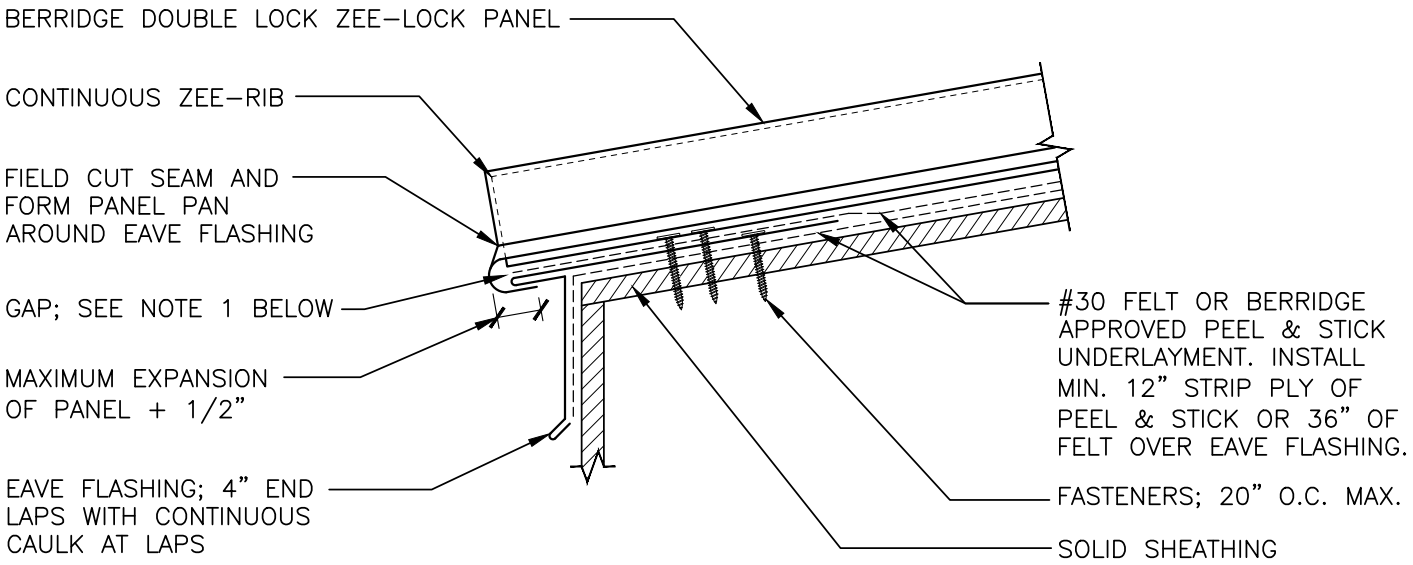
EAVE DETAIL; 3" ZEE–RIB OPEN FRAMING

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ–10GT



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.

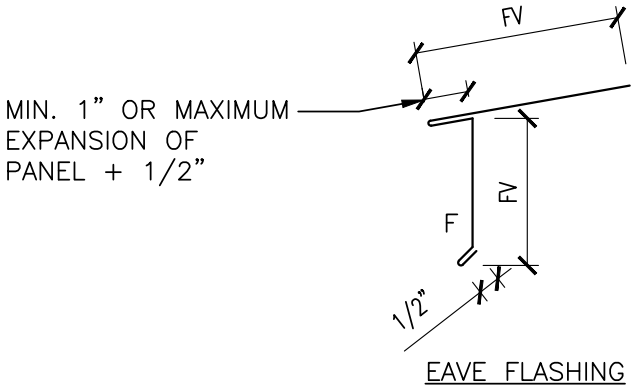
3. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

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. (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



EAVE FLASHING

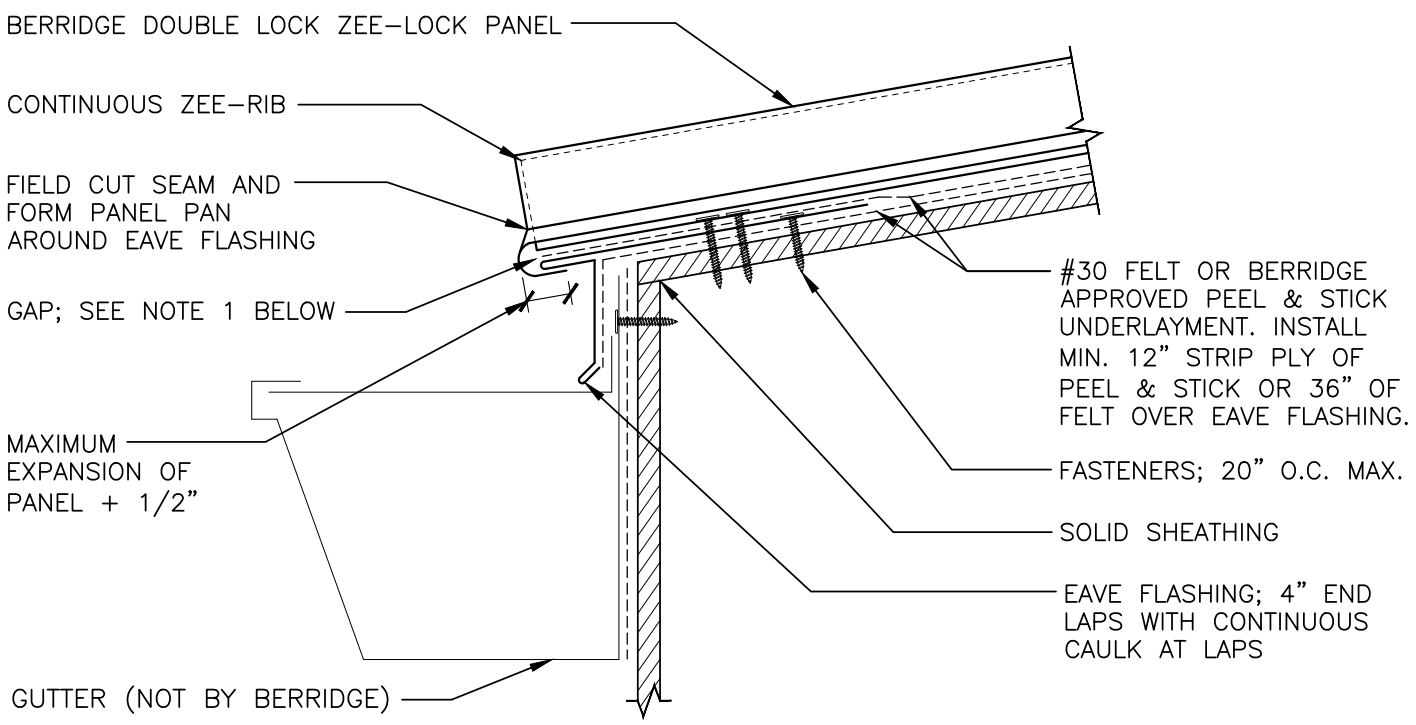
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL; PANEL TURNDOWN SOLID SHEATHING

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–11



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5. 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)

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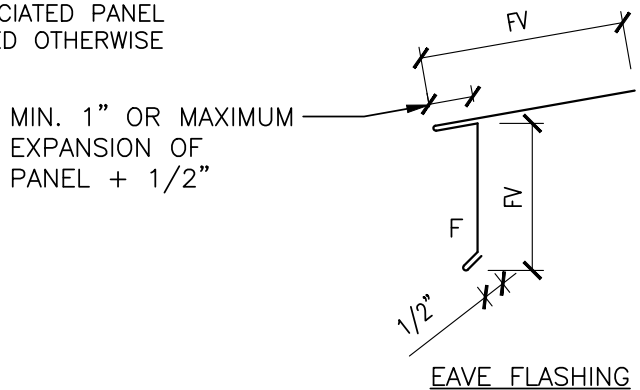


EAVE FLASHING

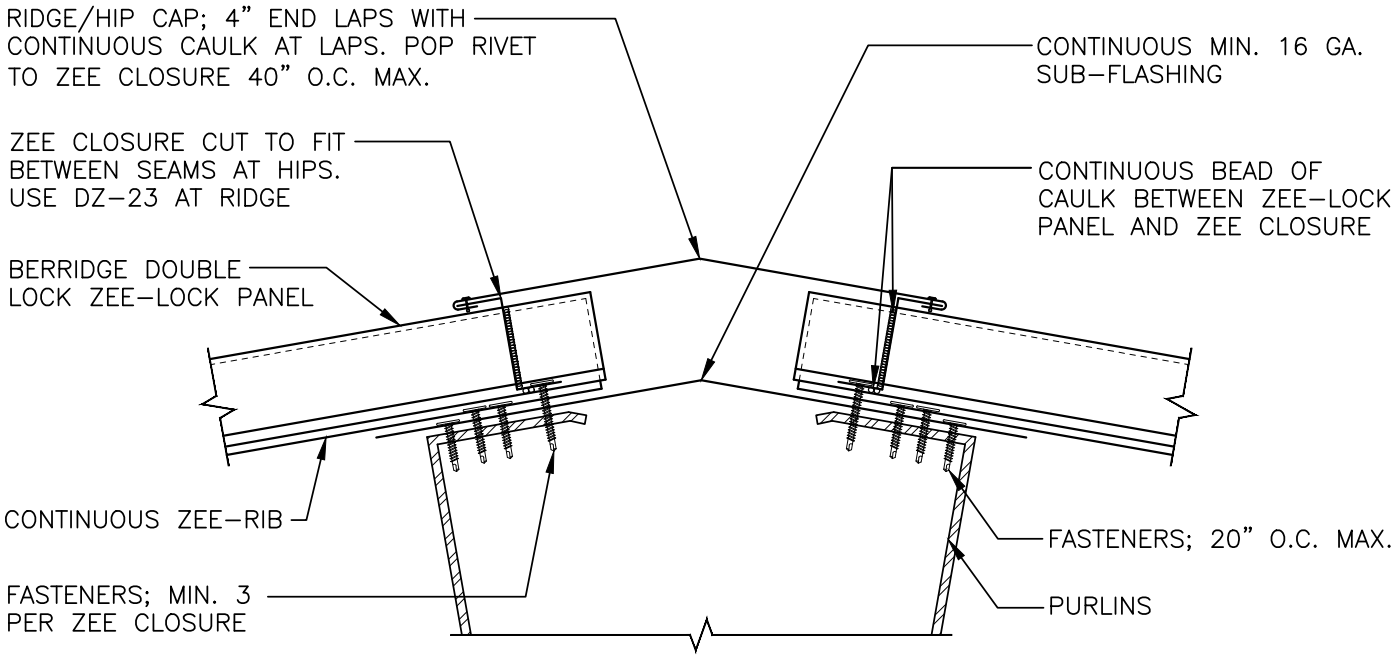
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE WITH GUTTER DETAIL SOLID SHEATHING

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–11G



1. 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)

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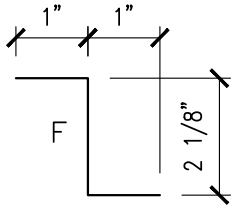
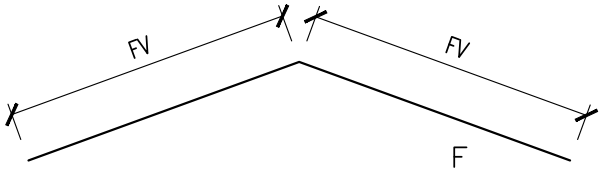
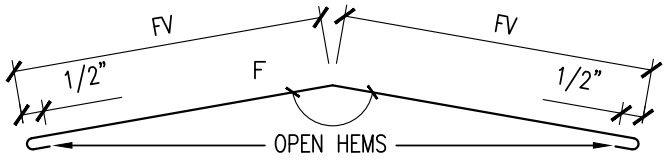


ZEE CLOSURE



MIN. 16 GA. SUB-FLASHING



RIDGE/HIP CAP

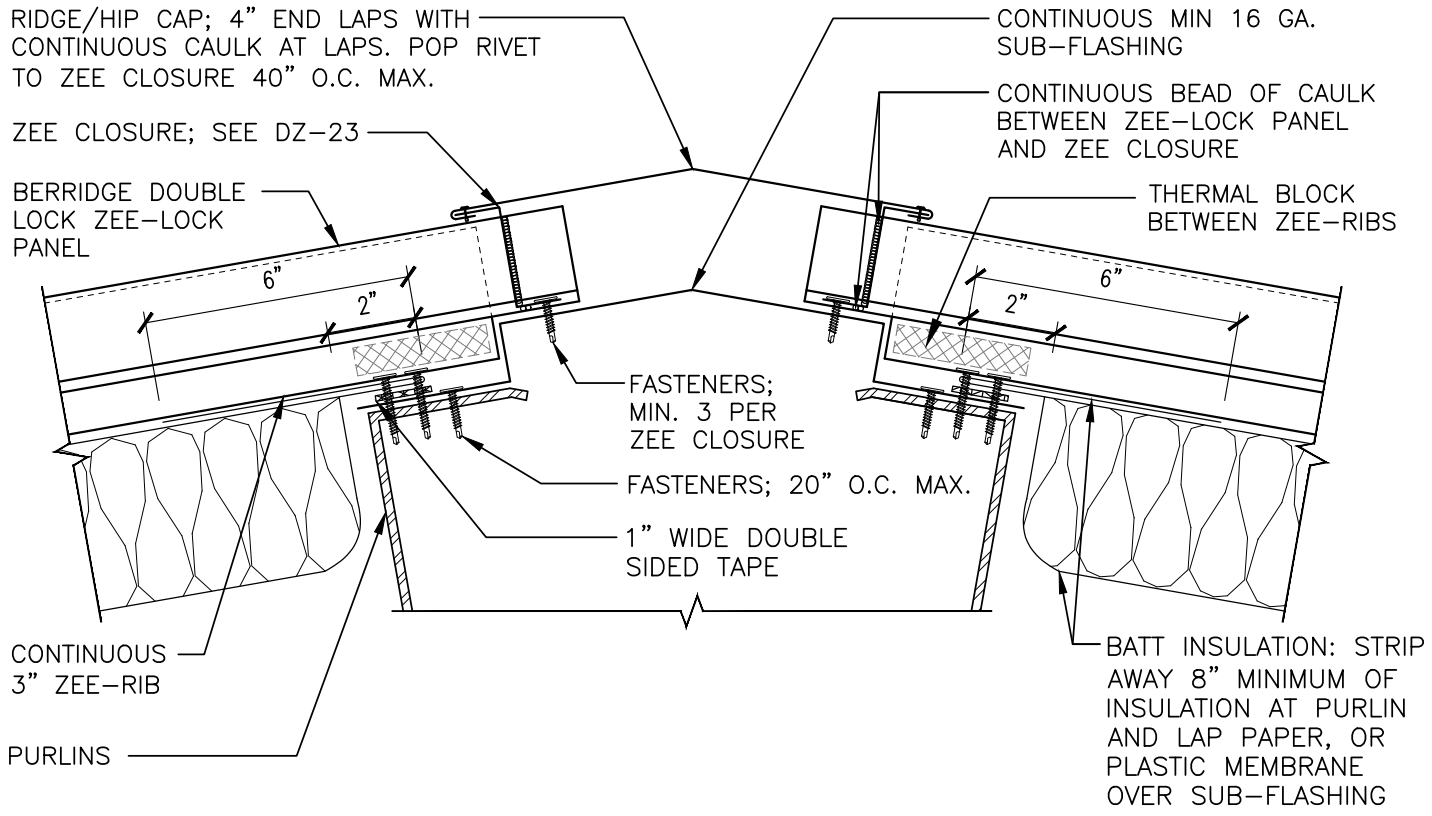
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RIDGE/HIP DETAIL OPEN FRAMING

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE
DZ-20



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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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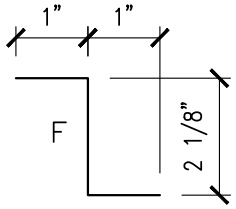
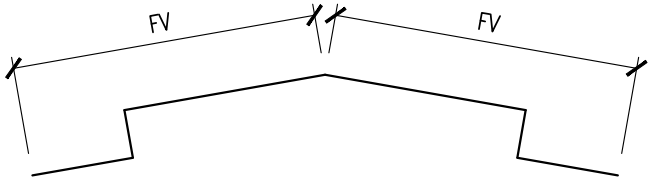
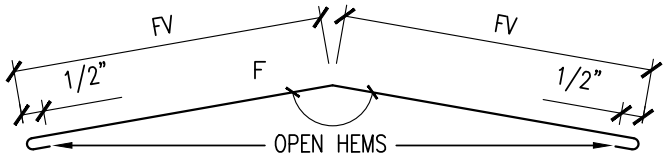


ZEE CLOSURE



MIN. 16 GA. SUB-FLASHING



RIDGE/HIP CAP

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

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

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
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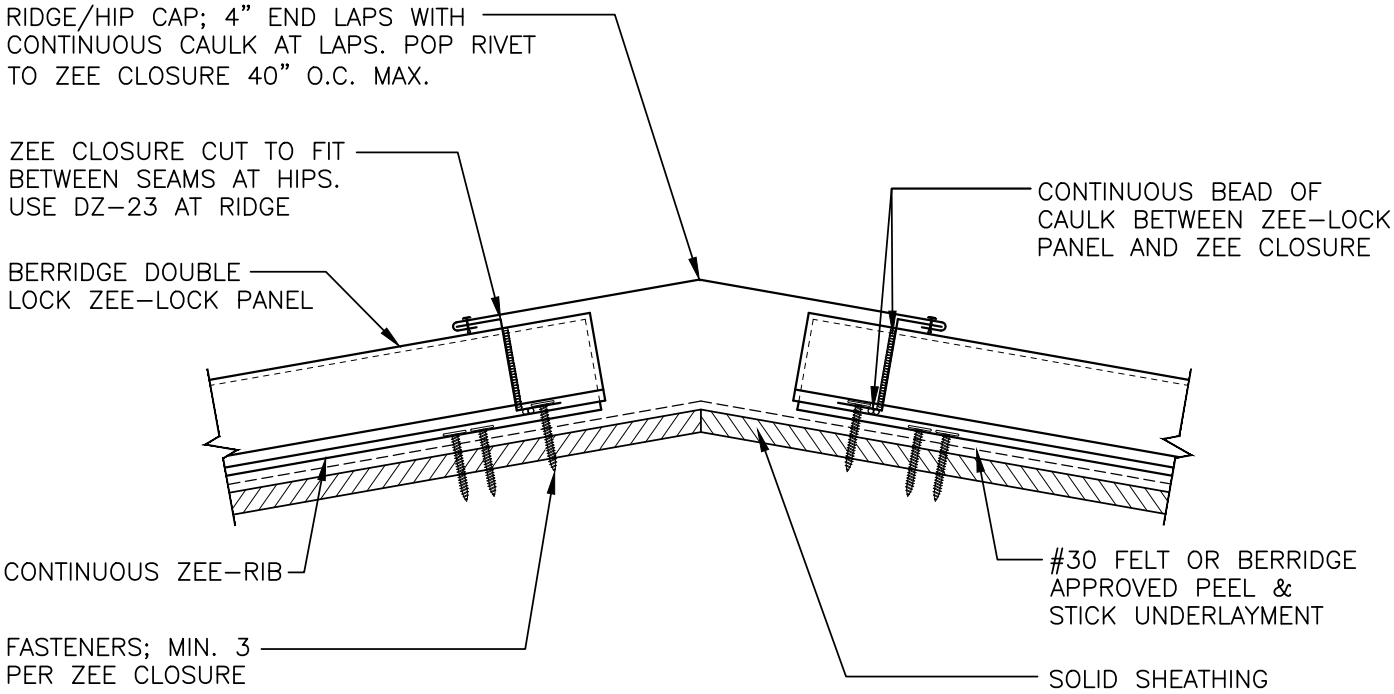

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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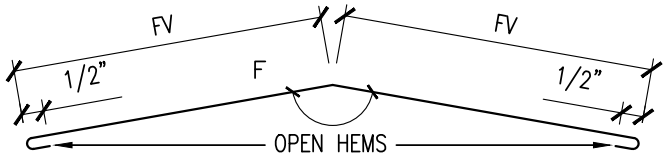
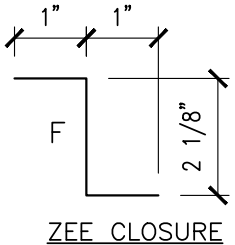


RIDGE/HIP CAP



ZEE CLOSURE

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RIDGE/HIP DETAIL SOLID SHEATHING

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

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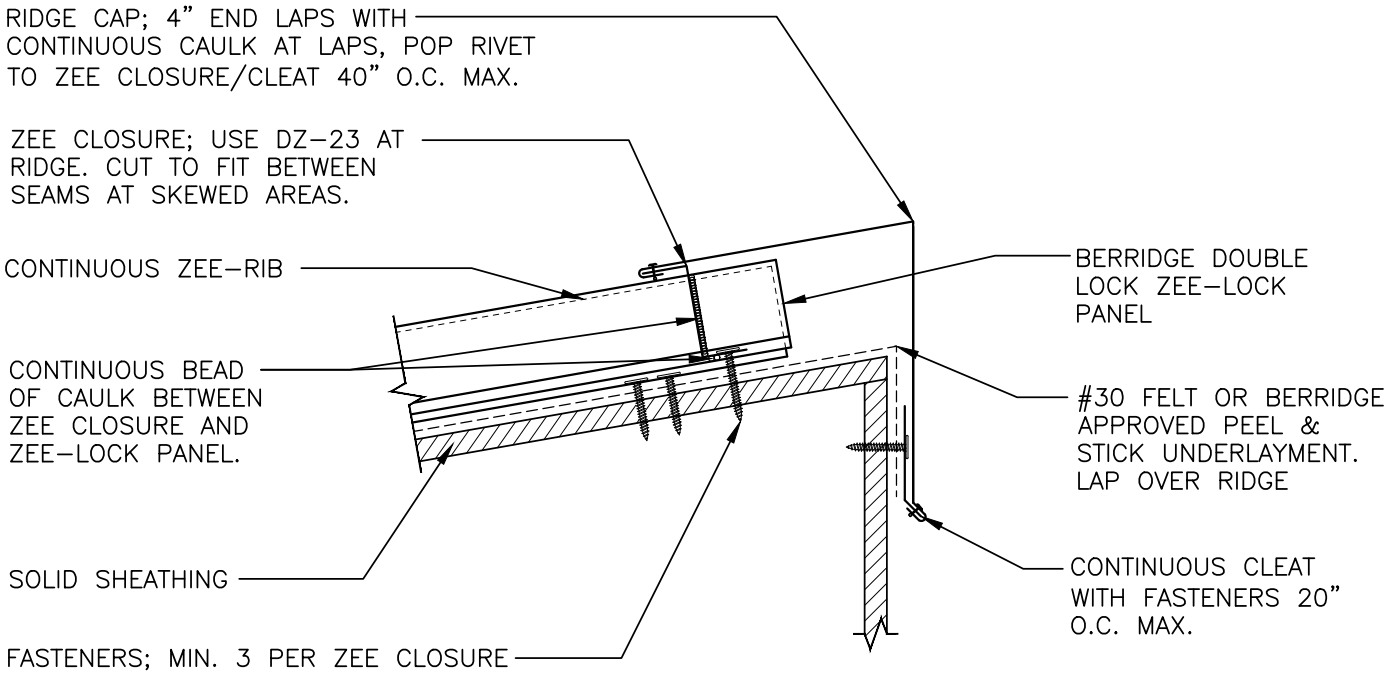
DZ-21



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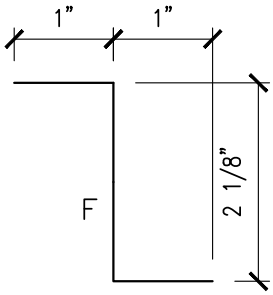
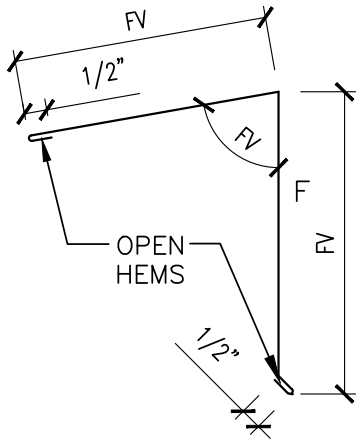
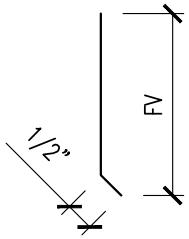


ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT

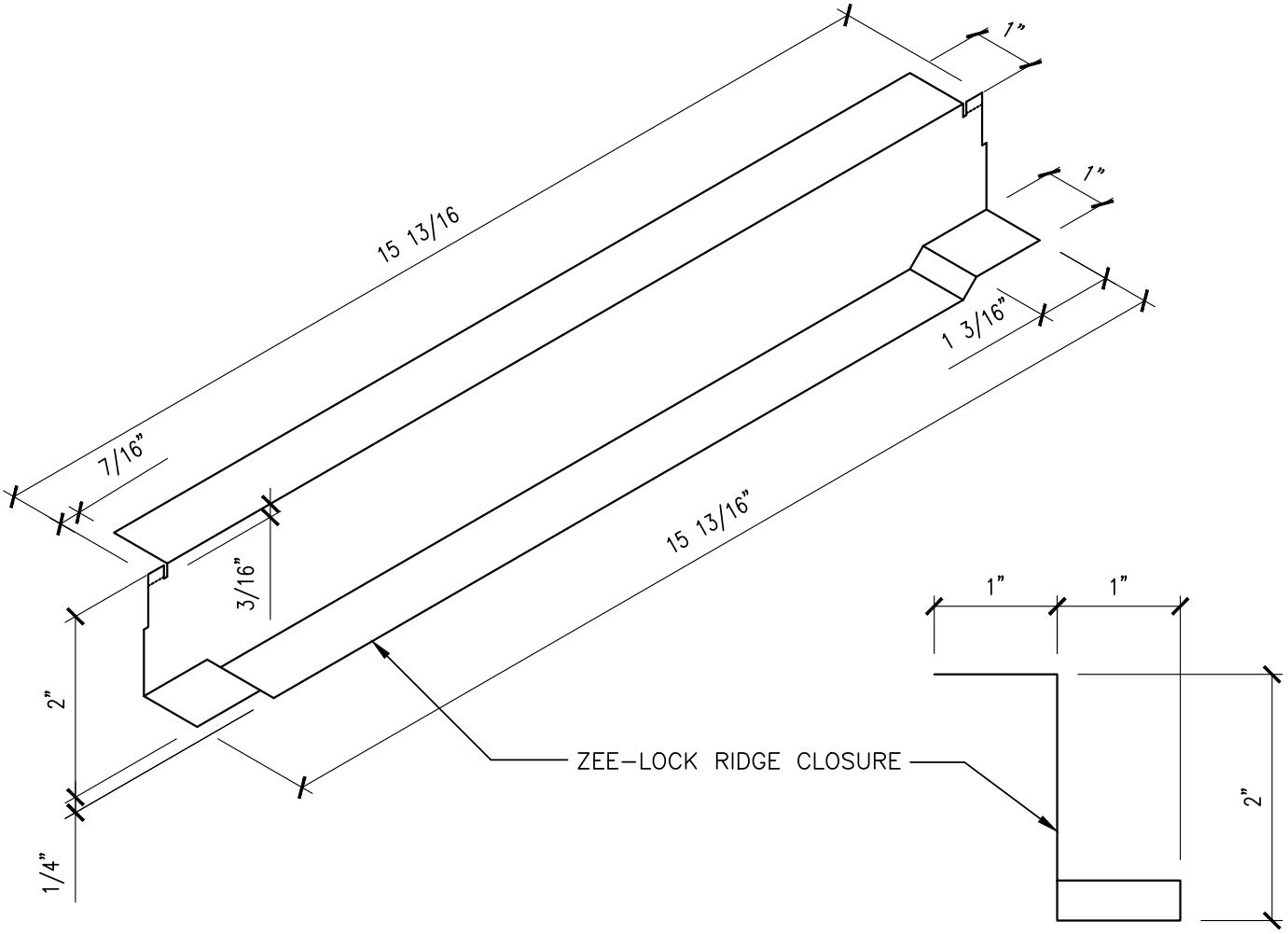
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

SHED RIDGE DETAIL SOLID SHEATHING

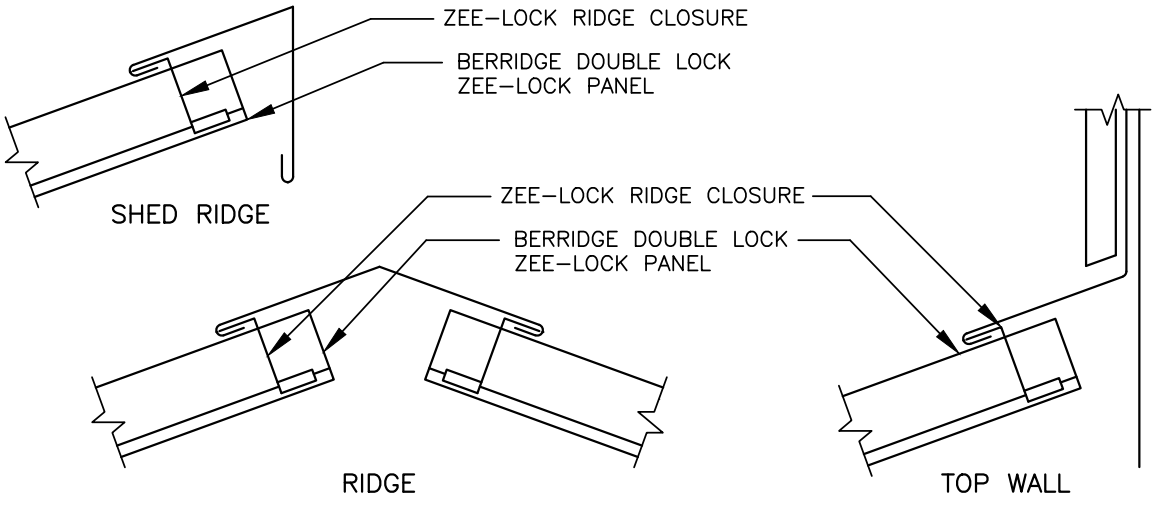
DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ-22



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



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

ZEE–LOCK RIDGE CLOSURE

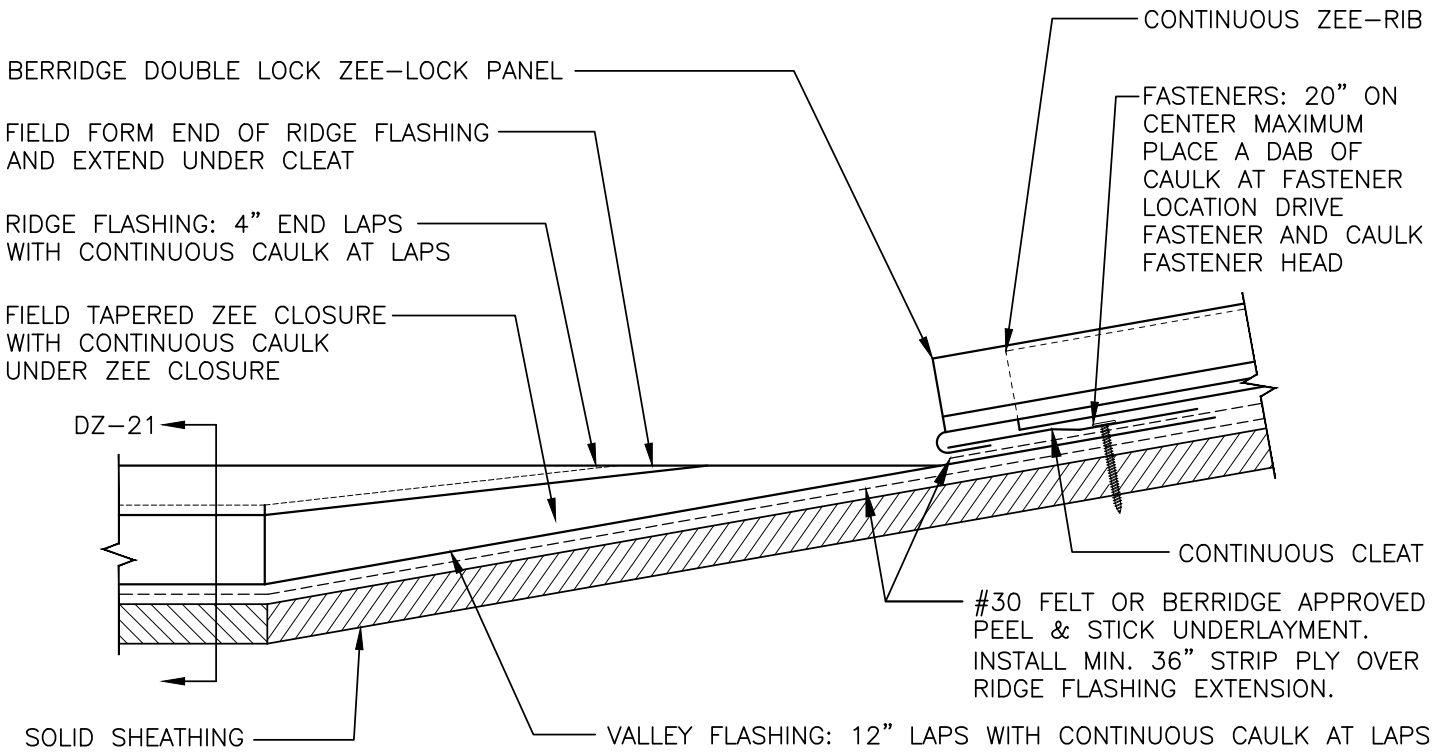
DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

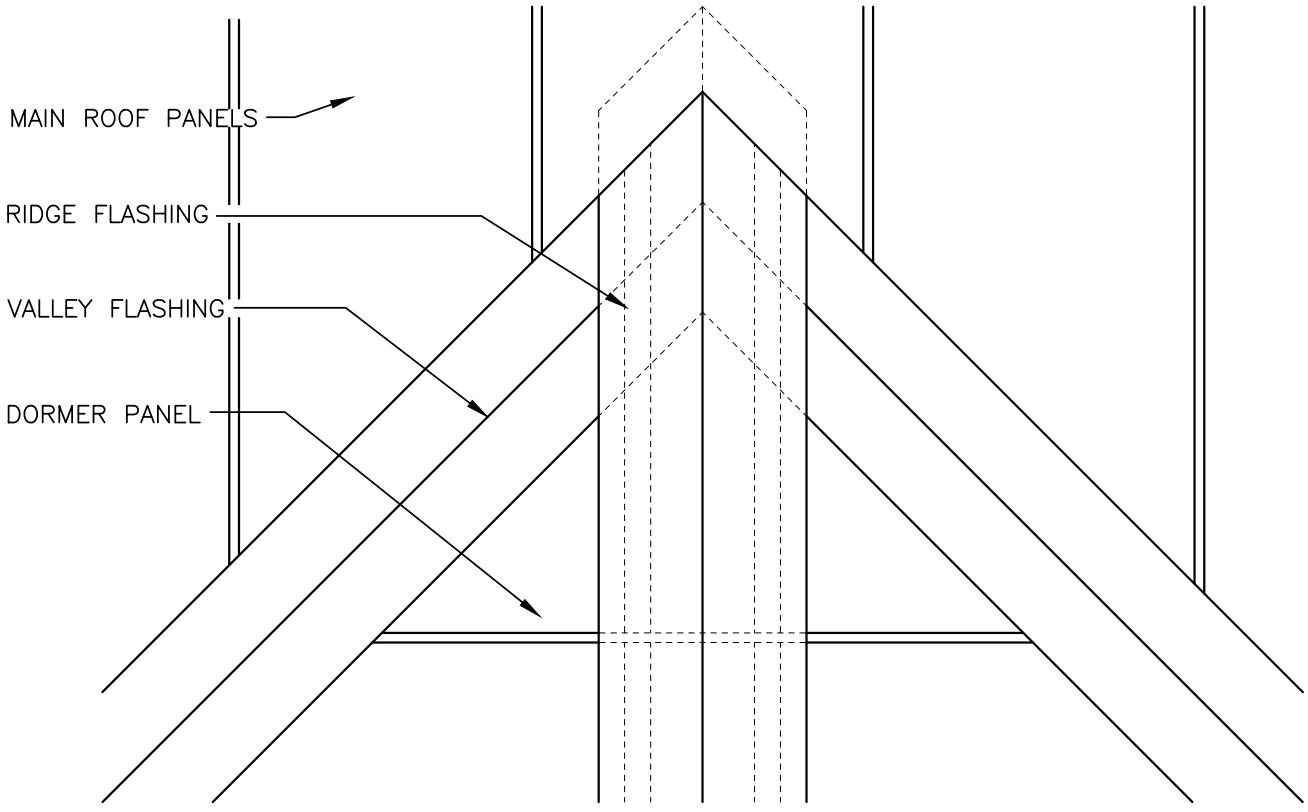
PAGE\FILE

DZ–23

SECTION VIEW



PLAN VIEW



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

RIDGE TERMINATION SLOPES LESS THAN 3:12

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE

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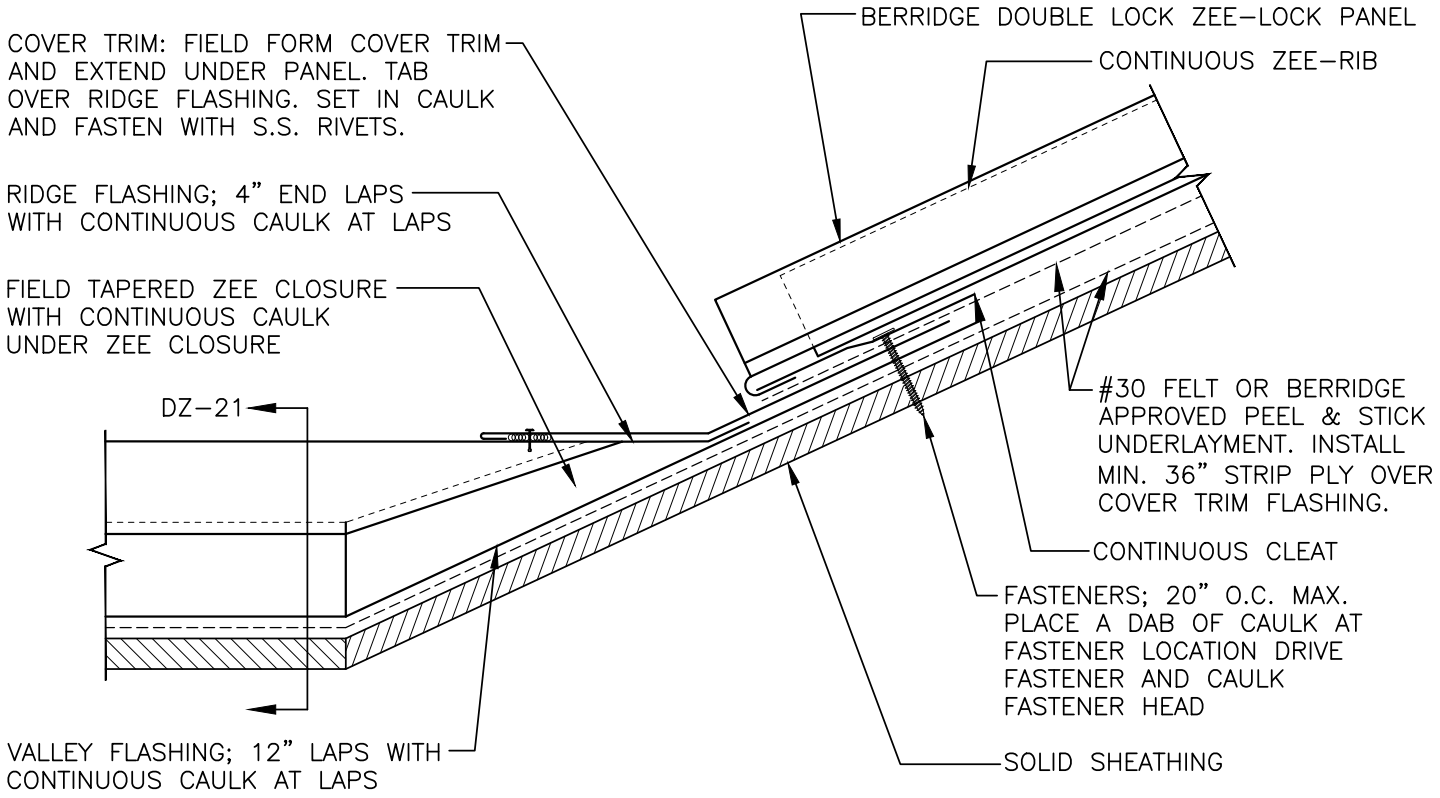
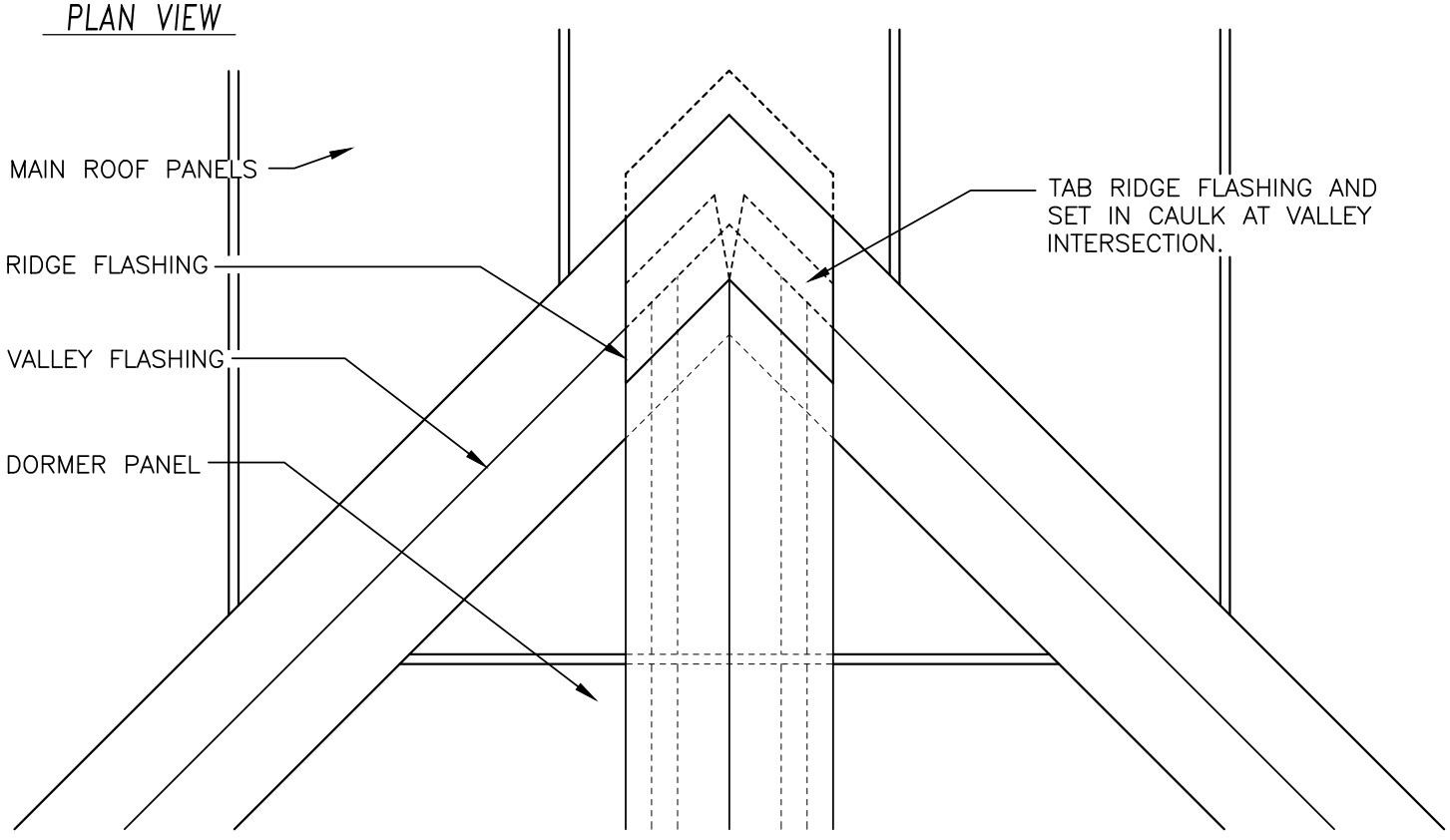
SECTION VIEW



PLAN VIEW



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

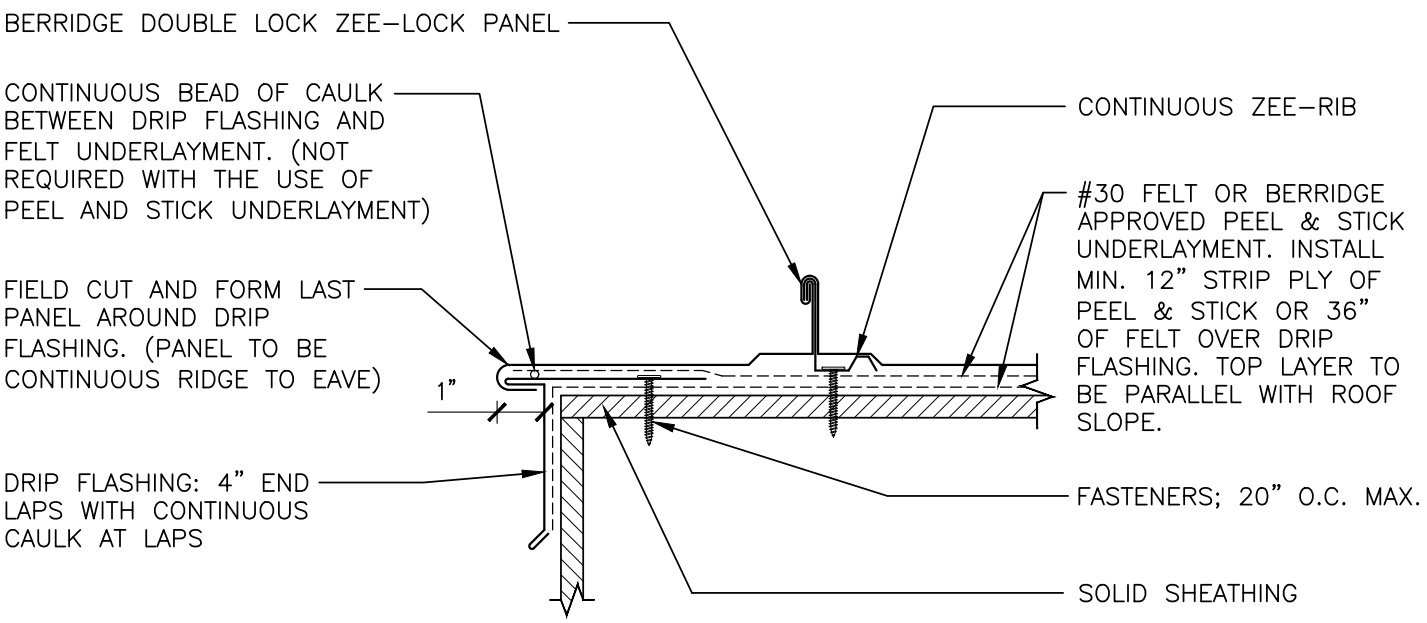
RIDGE TERMINATION SLOPES GREATER THAN 3:12

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE

DZ-24A



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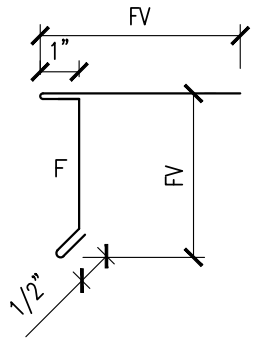


DRIP FLASHING

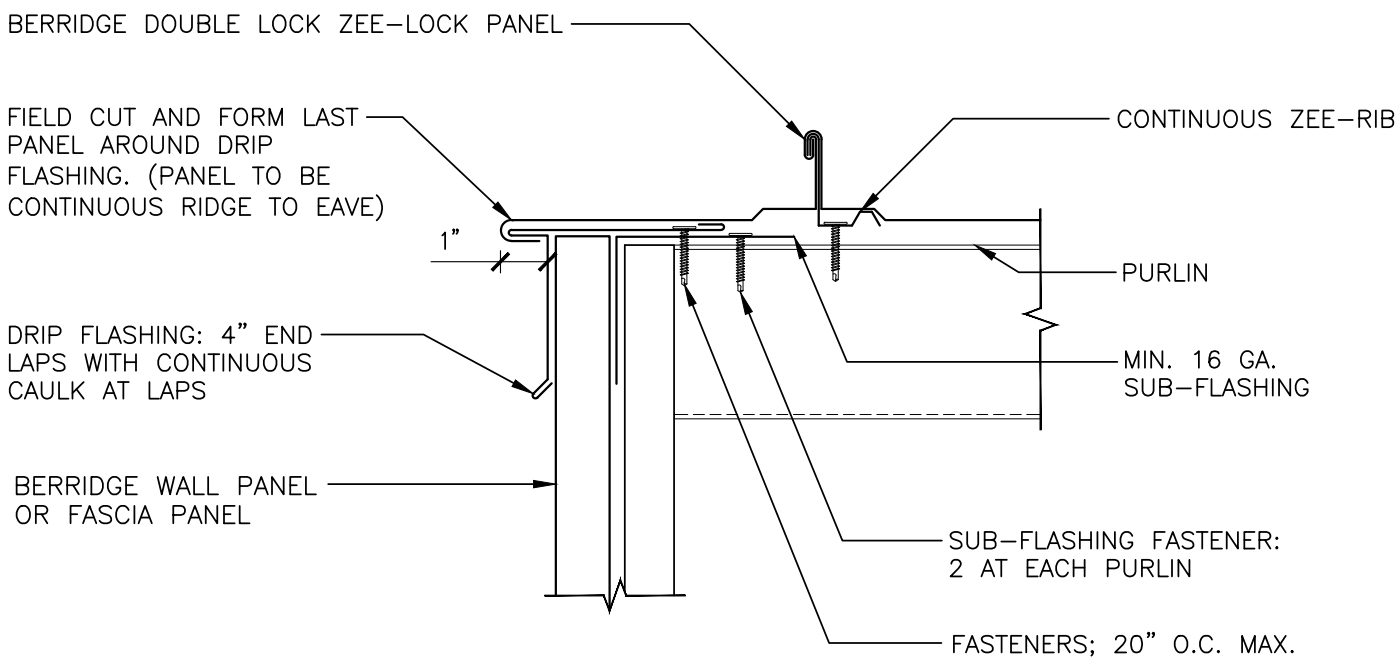
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–30



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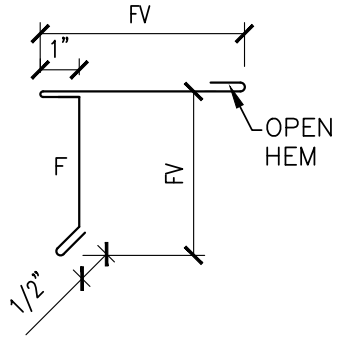
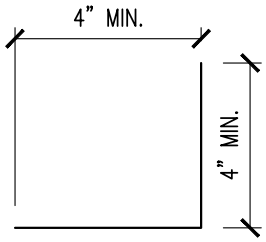


DRIP FLASHING



MIN. 16 GA. SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL PANEL TURNDOWN OPEN FRAMING

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

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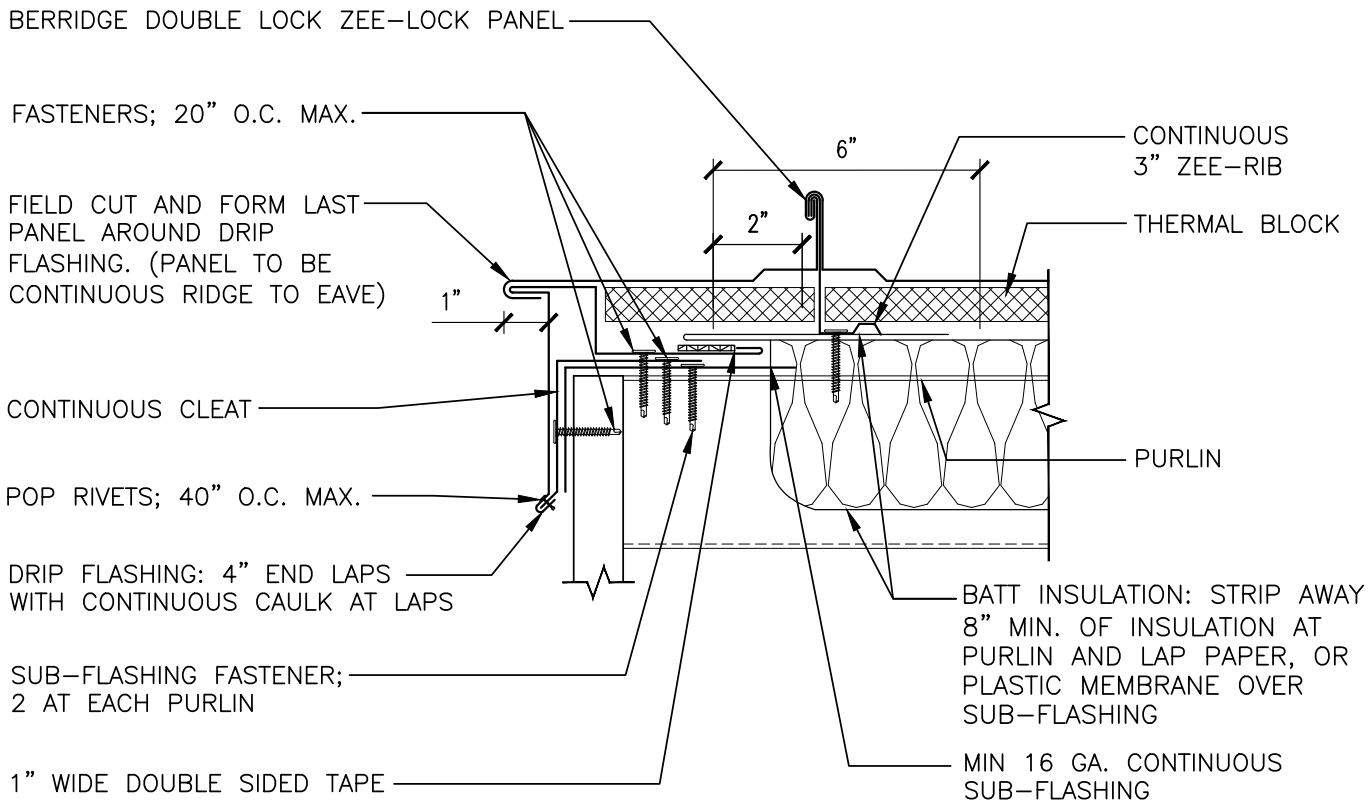
DZ–31



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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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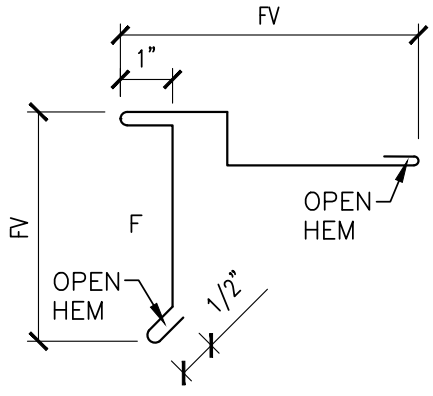
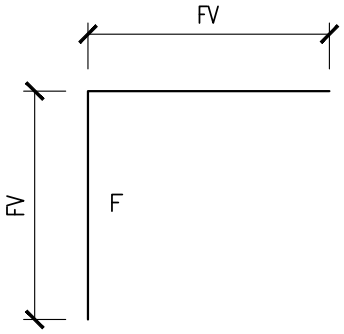


DRIP FLASHING



MIN. 16 GA. SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

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

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

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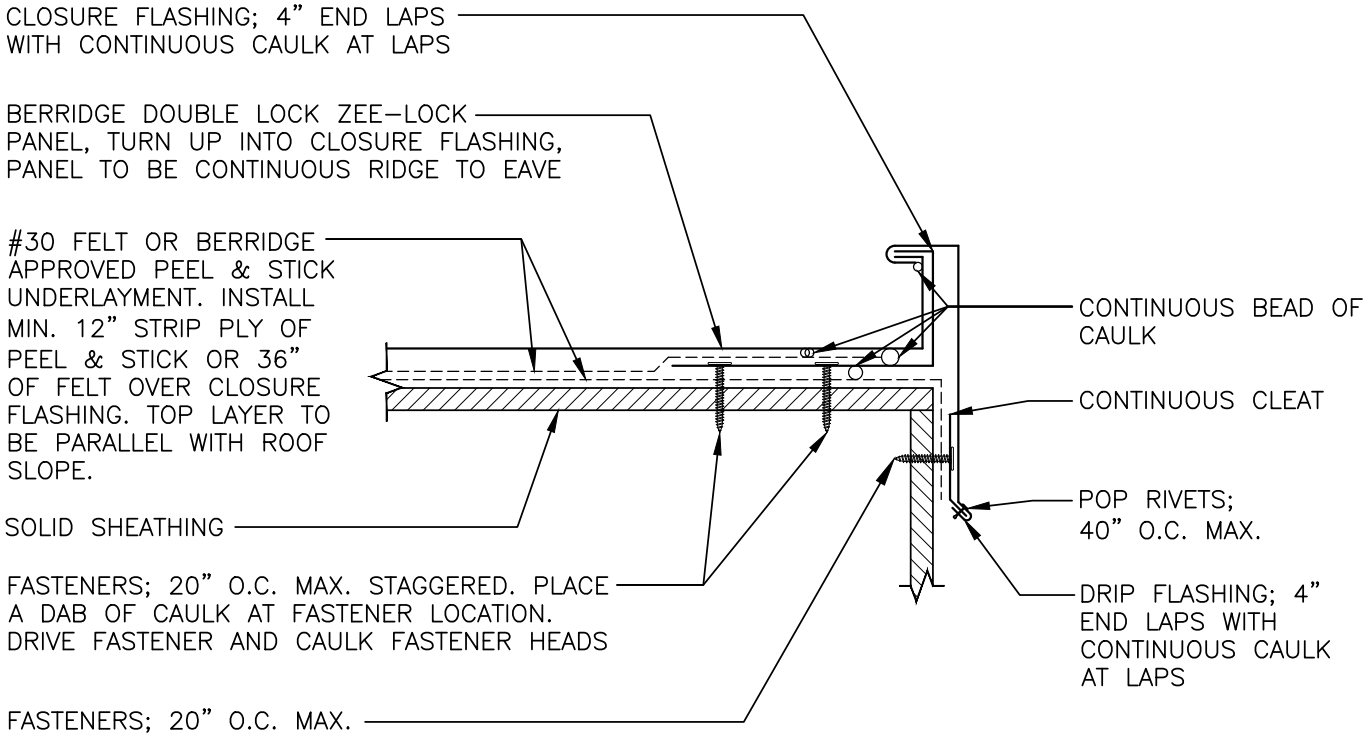
DZ–31T



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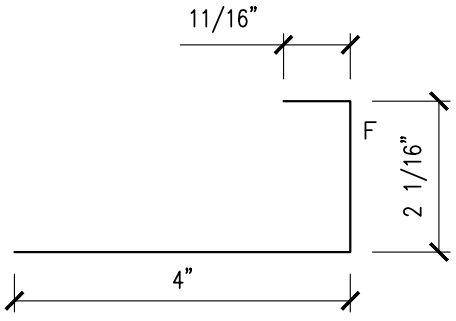
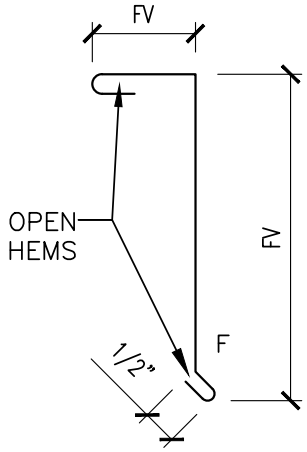
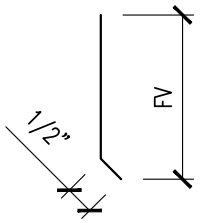


CLOSURE FLASHING



DRIP FLASHING



CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL CLOSURE FLASHING SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

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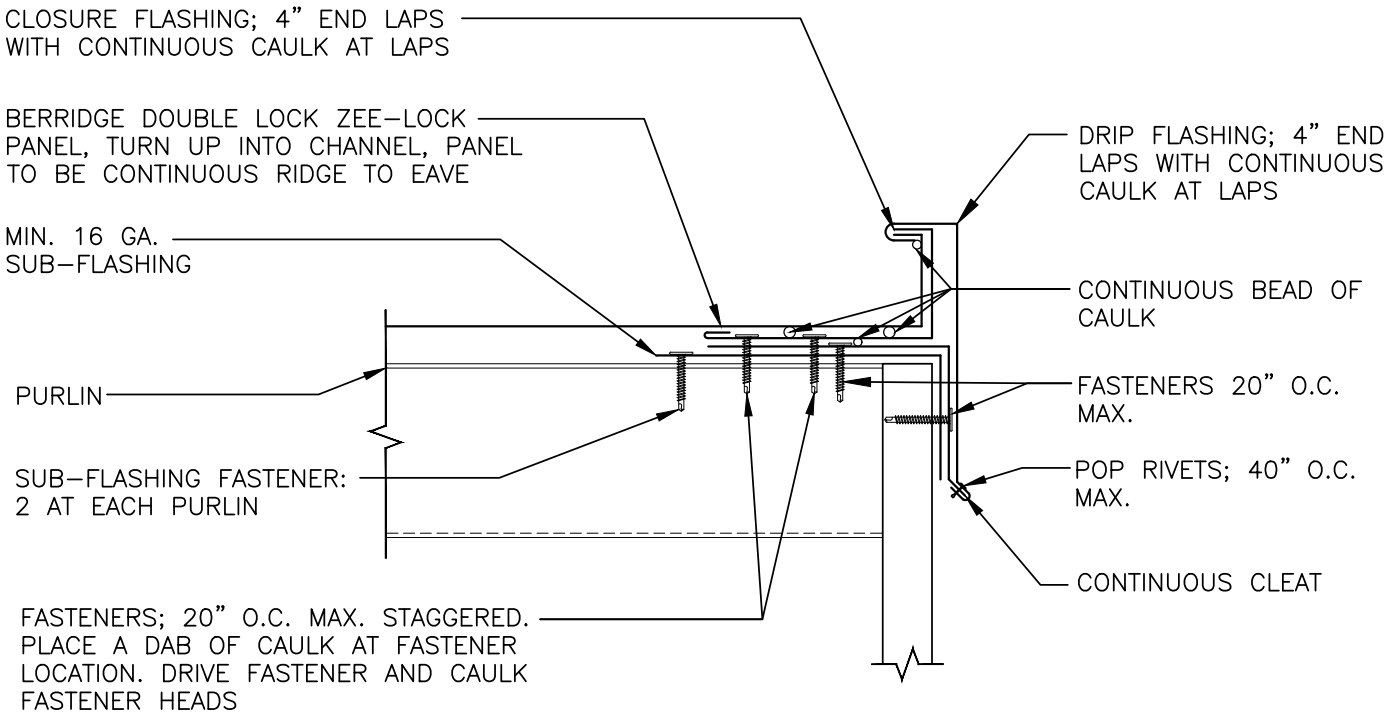
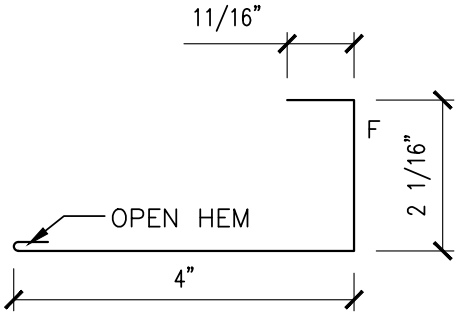
DZ-33C



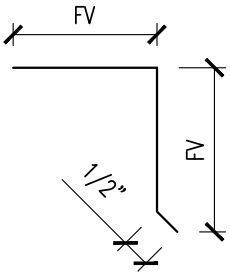
1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

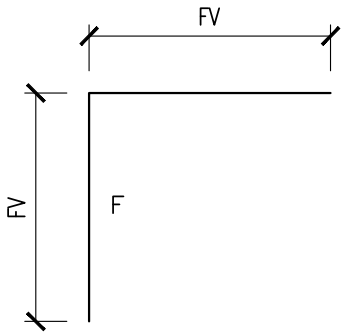
F = FINISH SIDE
FV = FIELD VERIFY



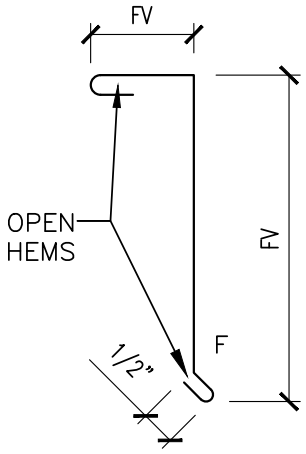
CLOSURE FLASHING



CONTINUOUS CLEAT



MIN. 16 GA. SUB-FLASHING



DRIP FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL CLOSURE FLASHING OPEN FRAMING

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

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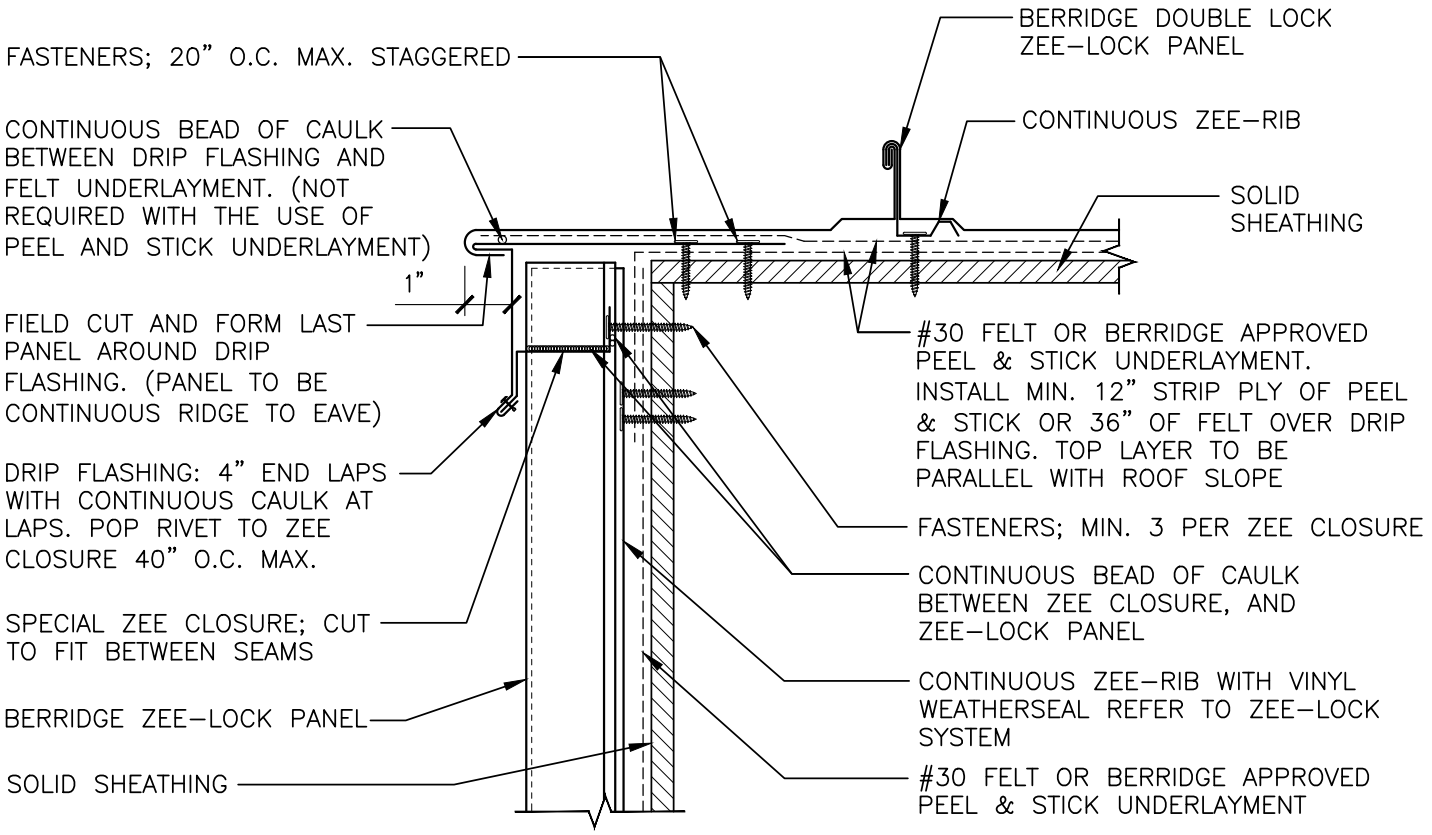

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

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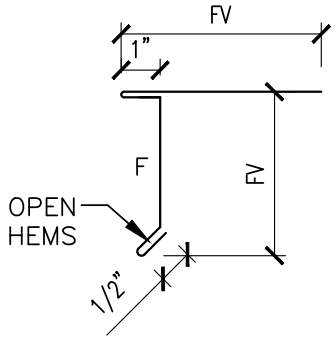
FV = FIELD VERIFY



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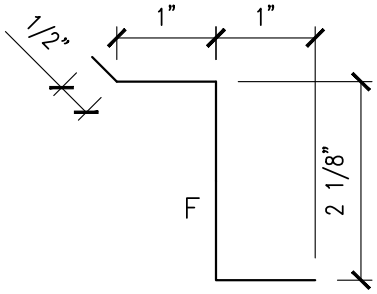

SPECIAL ZEE CLOSURE

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL
ZL WALL PANEL
SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

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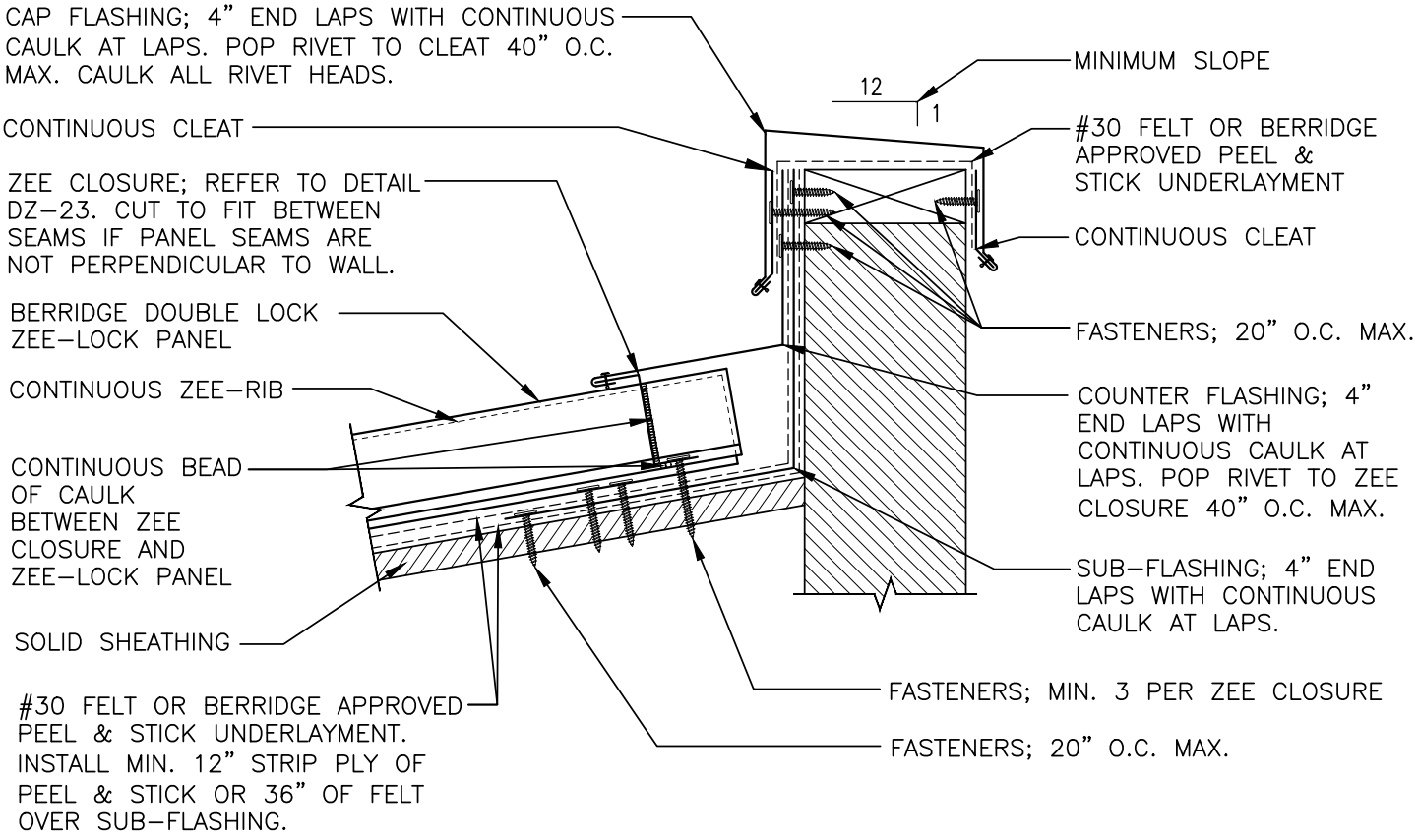

1. THIS DETAIL INTENDED FOR USE ON PARAPETS LESS THAN 12" IN HEIGHT, USE HEAD WALL DETAILS FOR ANY LARGER.

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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

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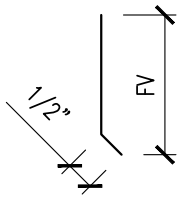
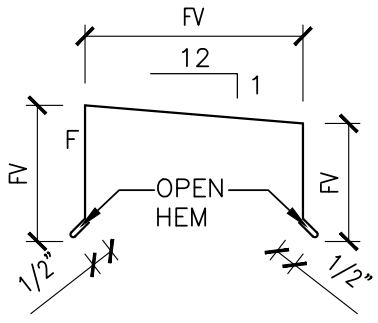
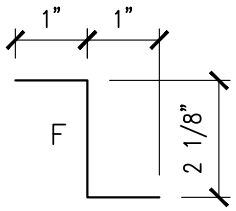


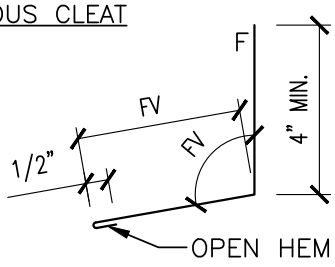
CONTINUOUS CLEAT



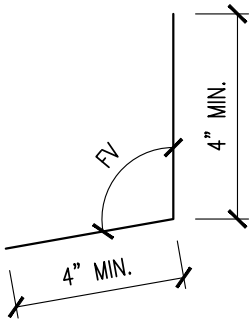
CAP FLASHING



ZEE CLOSURE



COUNTER FLASHING



SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

PARAPET DETAIL HEAD WALL SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

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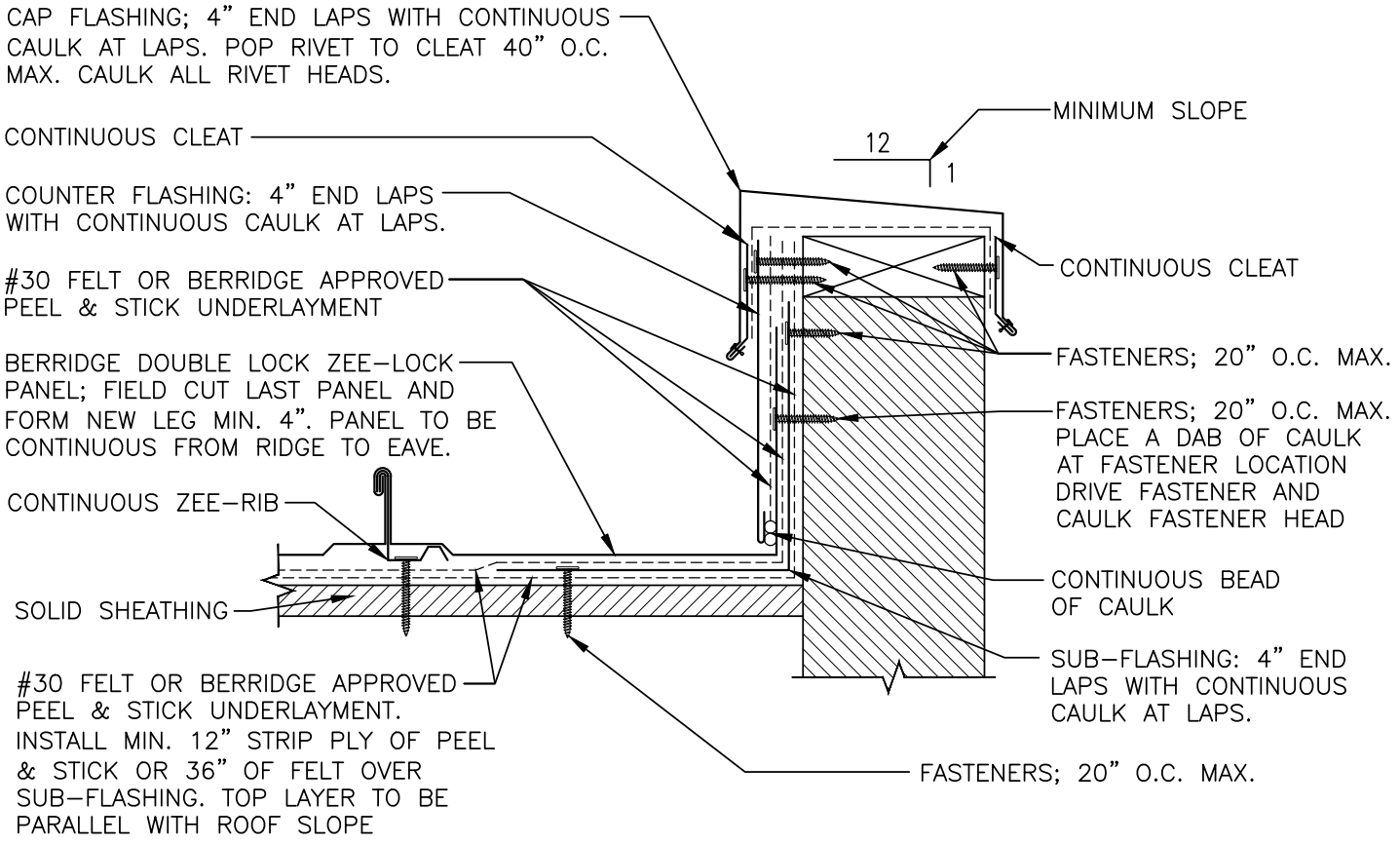

1. THIS DETAIL INTENDED FOR USE ON PARAPETS LESS THAN 12" IN HEIGHT, USE RAKE WALL DETAILS FOR ANY LARGER.

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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

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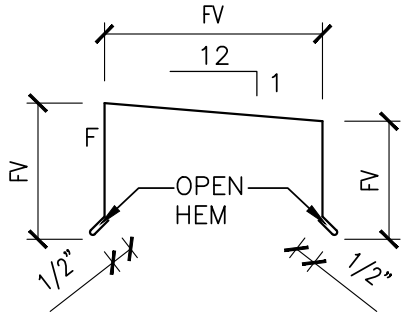
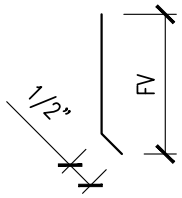
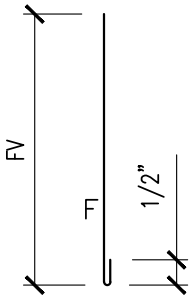
FV = FIELD VERIFY



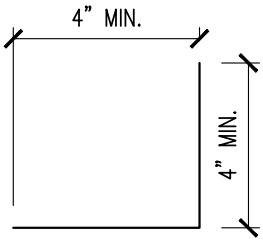
CAP FLASHING



CONTINUOUS CLEAT



COUNTER FLASHING



SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

PARAPET DETAIL RAKE WALL SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

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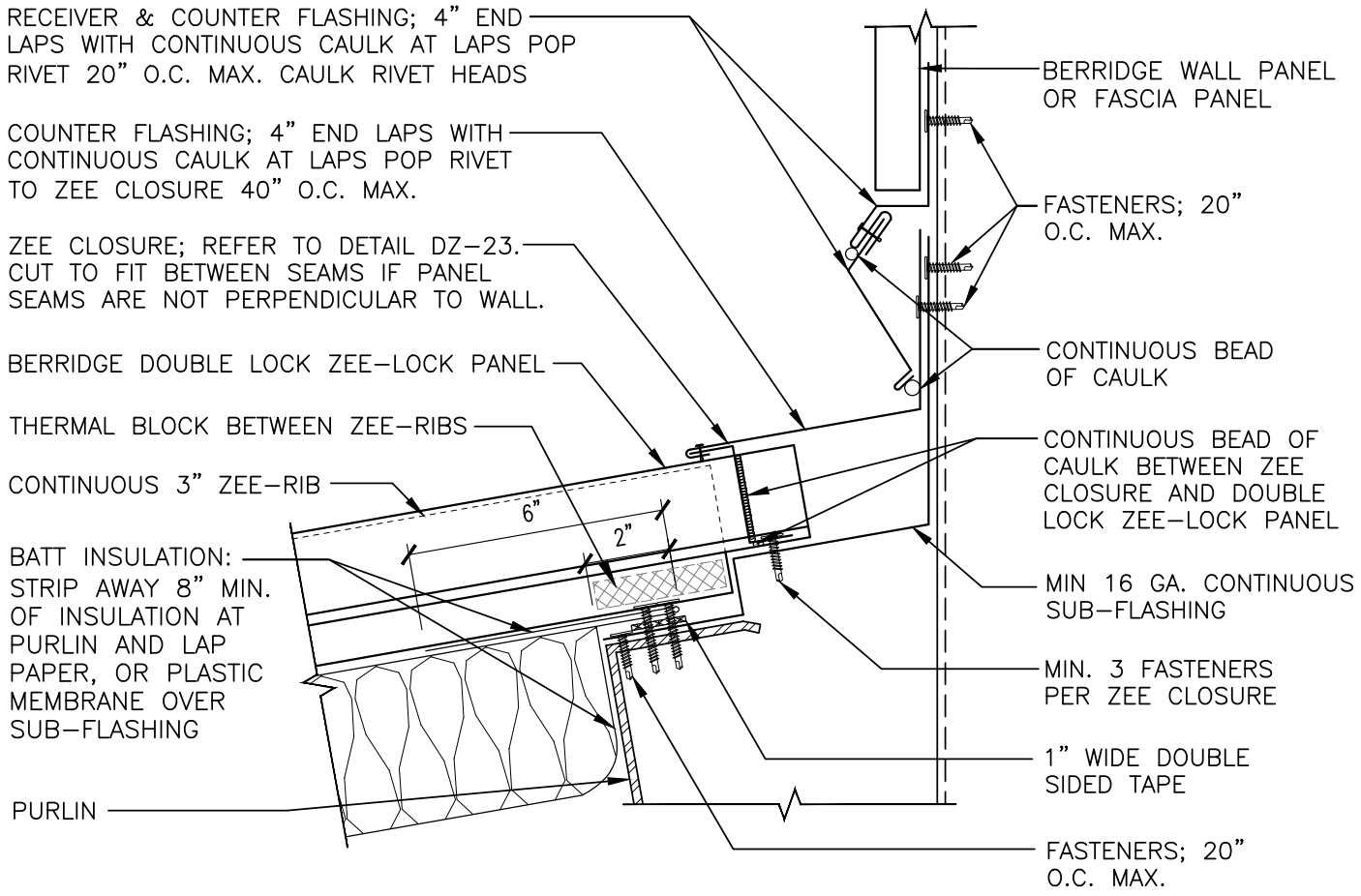

1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION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

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

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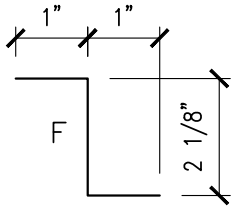
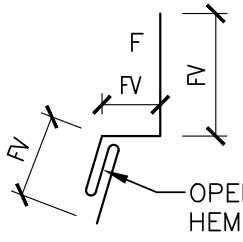
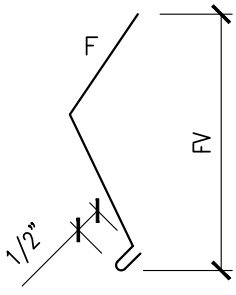


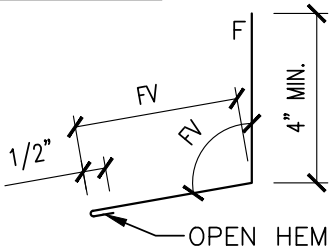
ZEE CLOSURE



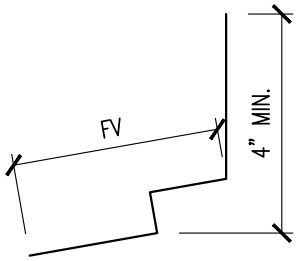
RECIEVER FLASHING



COUNTER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

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

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

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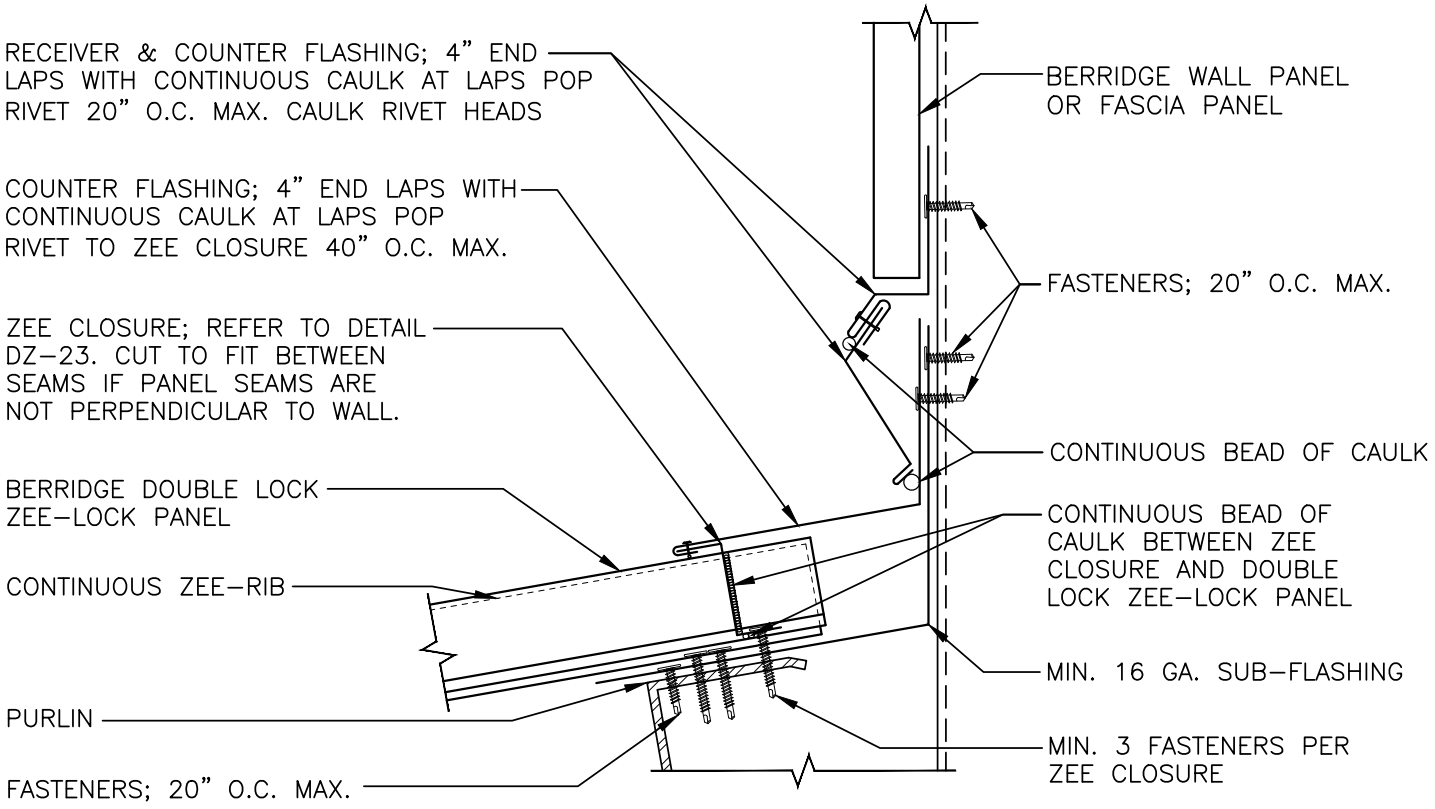

1. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

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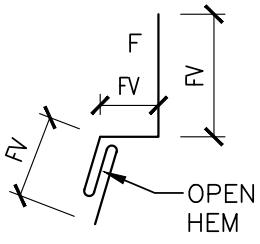
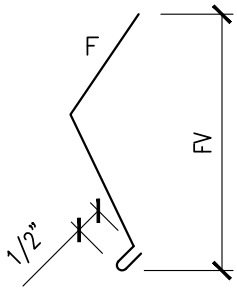
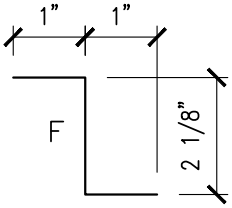


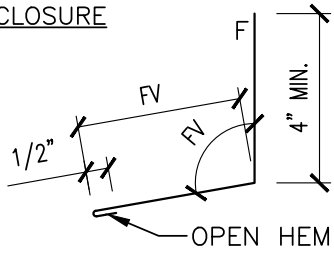
RECIEVER FLASHING



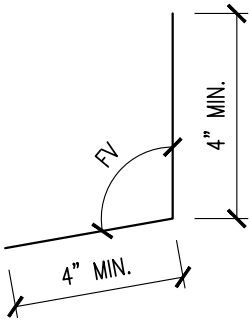
COUNTER FLASHING



ZEE CLOSURE



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL RECIEVER FLASHING OPEN FRAMING

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
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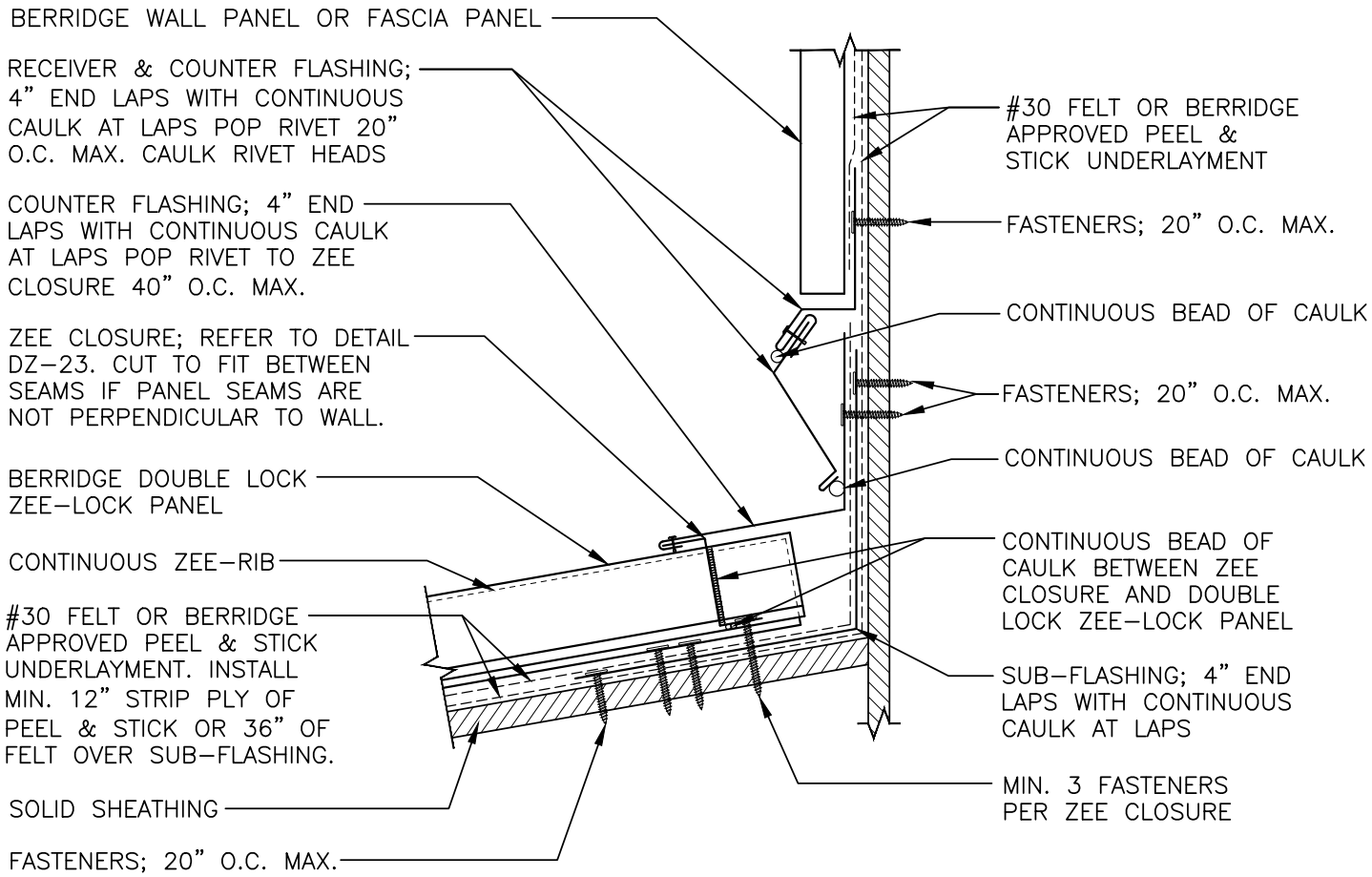

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

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

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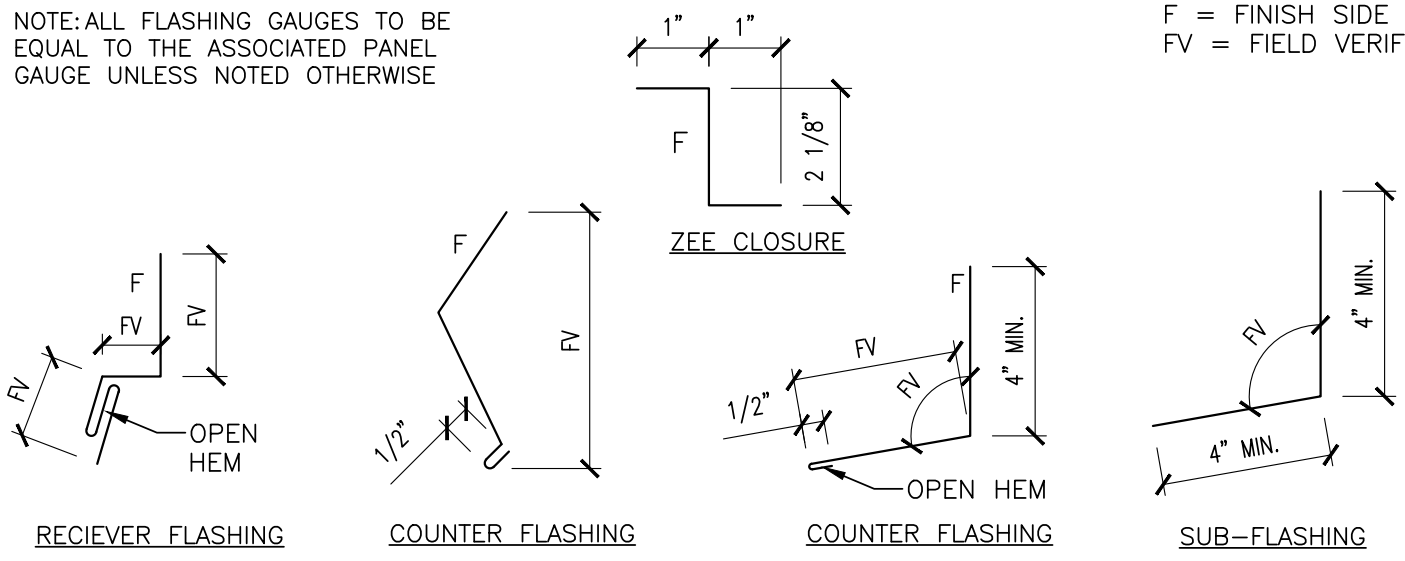

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL RECIEVER FLASHING SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

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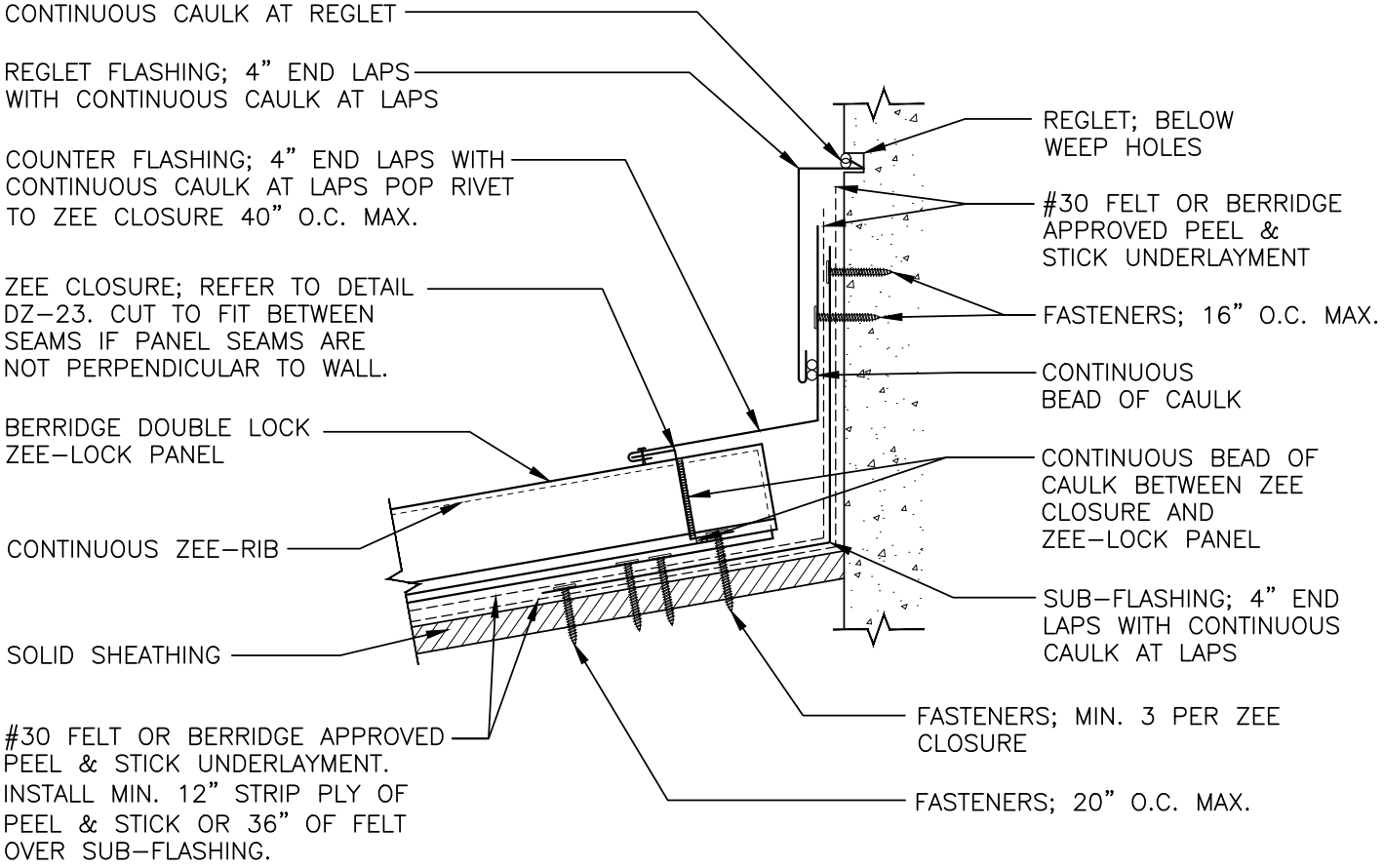

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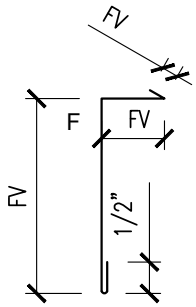
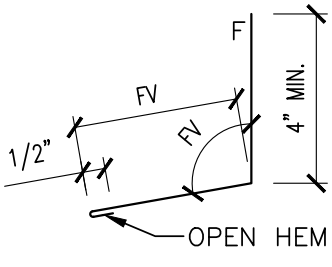
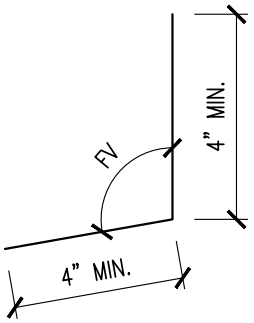


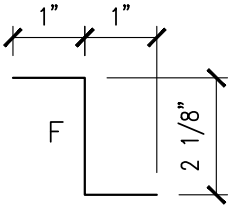
REGLET FLASHING



COUNTER FLASHING



SUB-FLASHING



ZEE CLOSURE

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL
REGLET
SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

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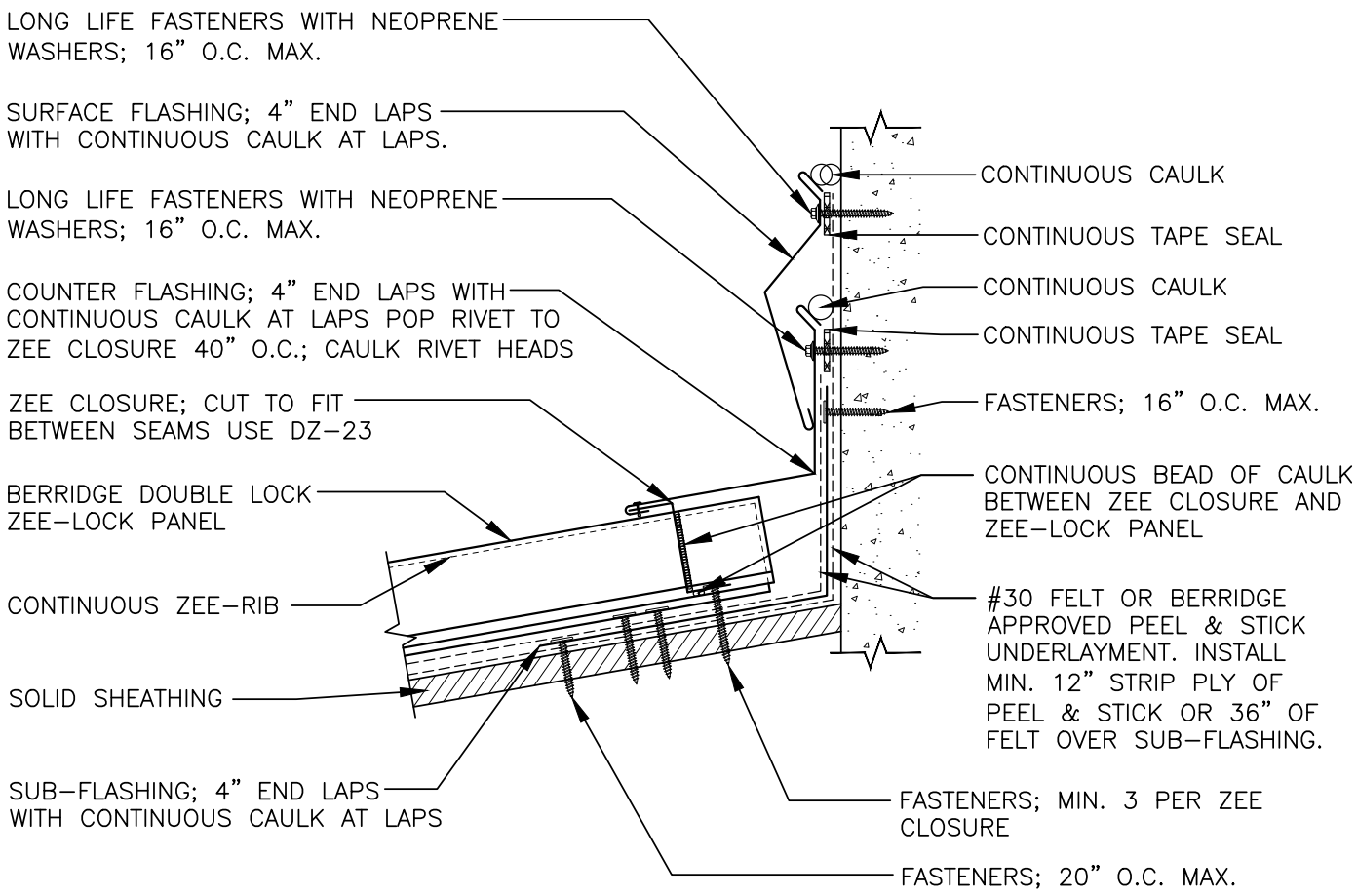

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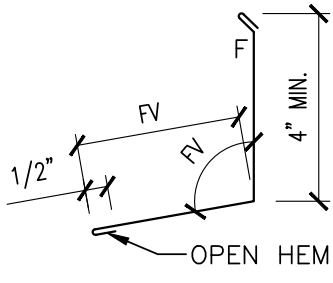
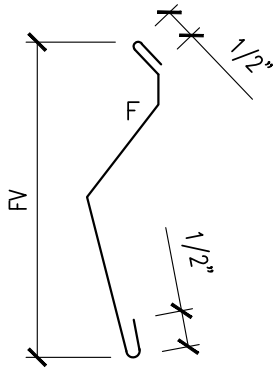
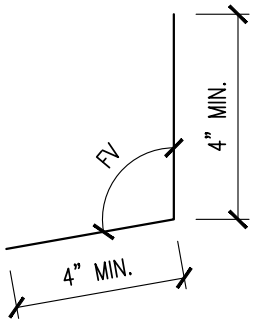


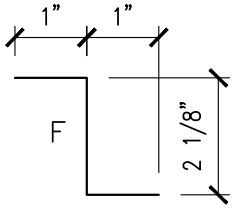
COUNTER FLASHING



SURFACE FLASHING



SUB-FLASHING



ZEE CLOSURE

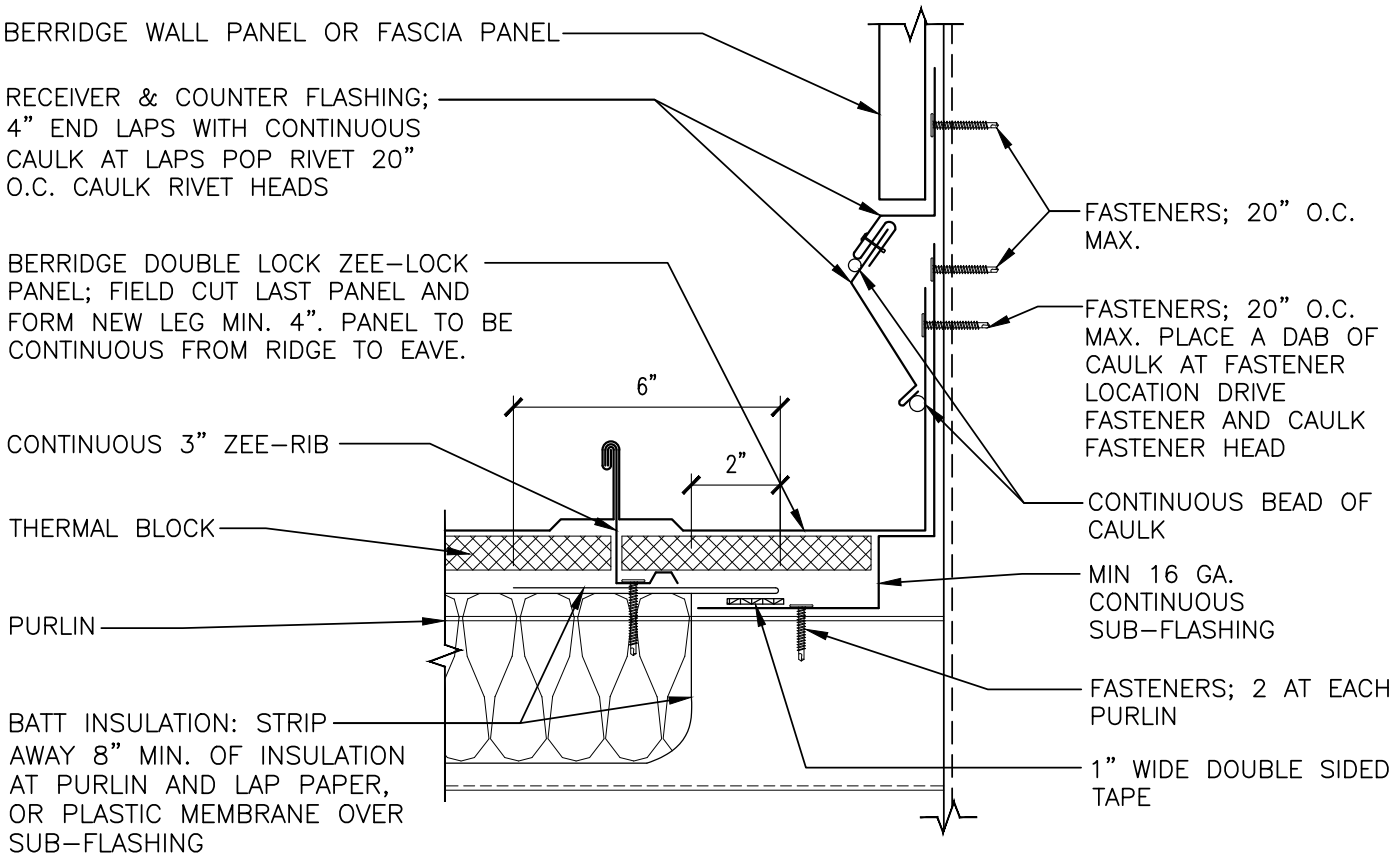
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL SURFACE MOUNT SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

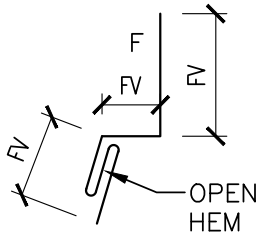
PAGE\FILE
DZ-51SM



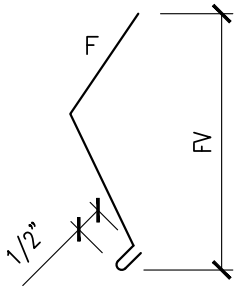
1. THE 3" ZEE-RIB TO BE USED ON APPLICATIONS WITH BATT INSULATION DRAPED OVER PURLINS WITH A THICKNESS OF GREATER THAN 3".
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION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

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

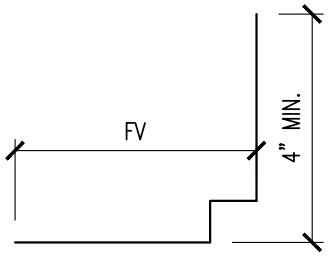
F = FINISH SIDE
FV = FIELD VERIFY



RECIEVER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

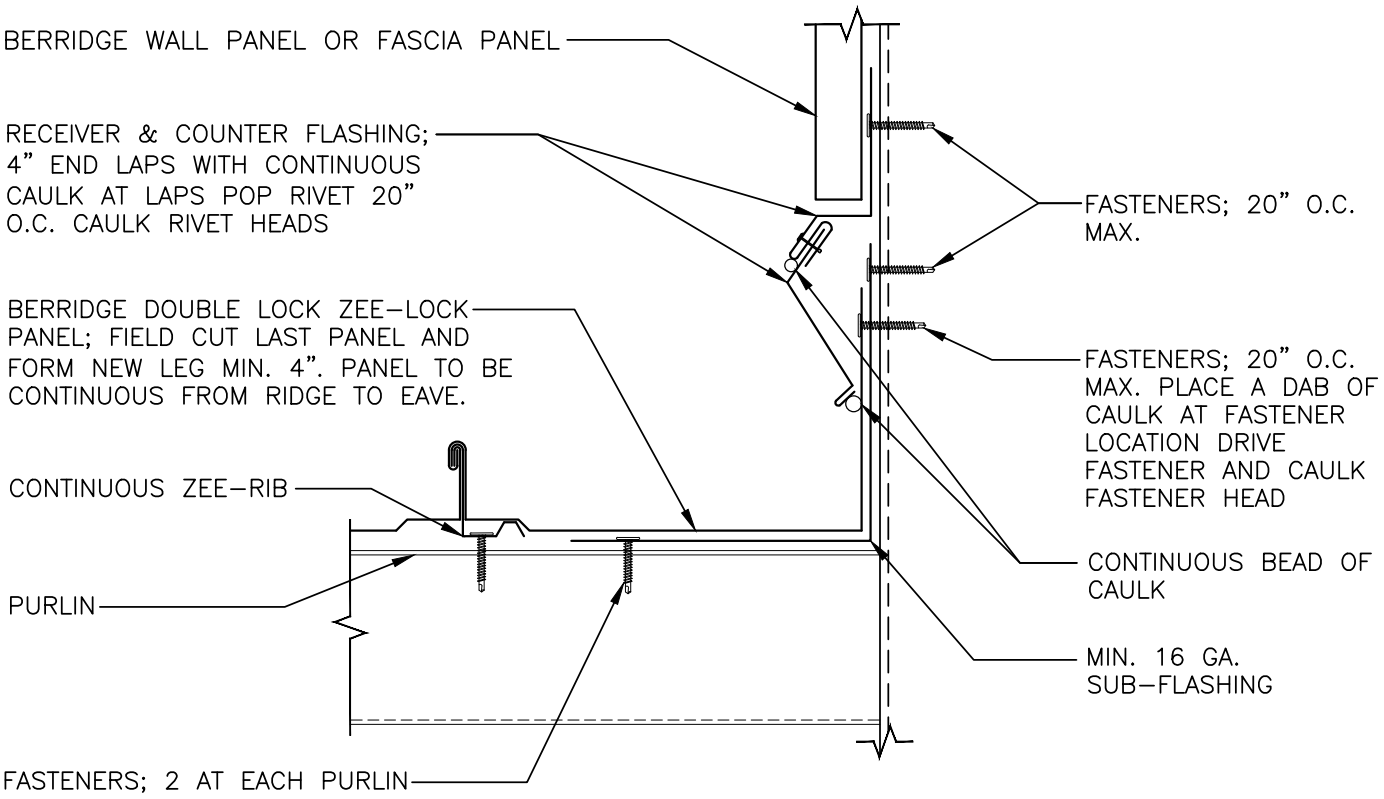
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

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

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE
DZ-530T



1. 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)

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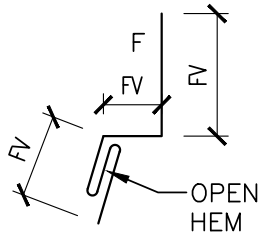
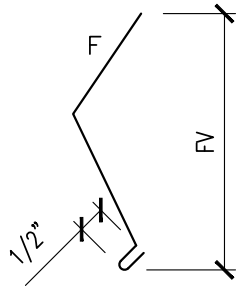
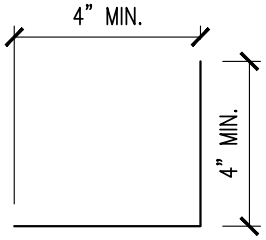


RECIEVER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

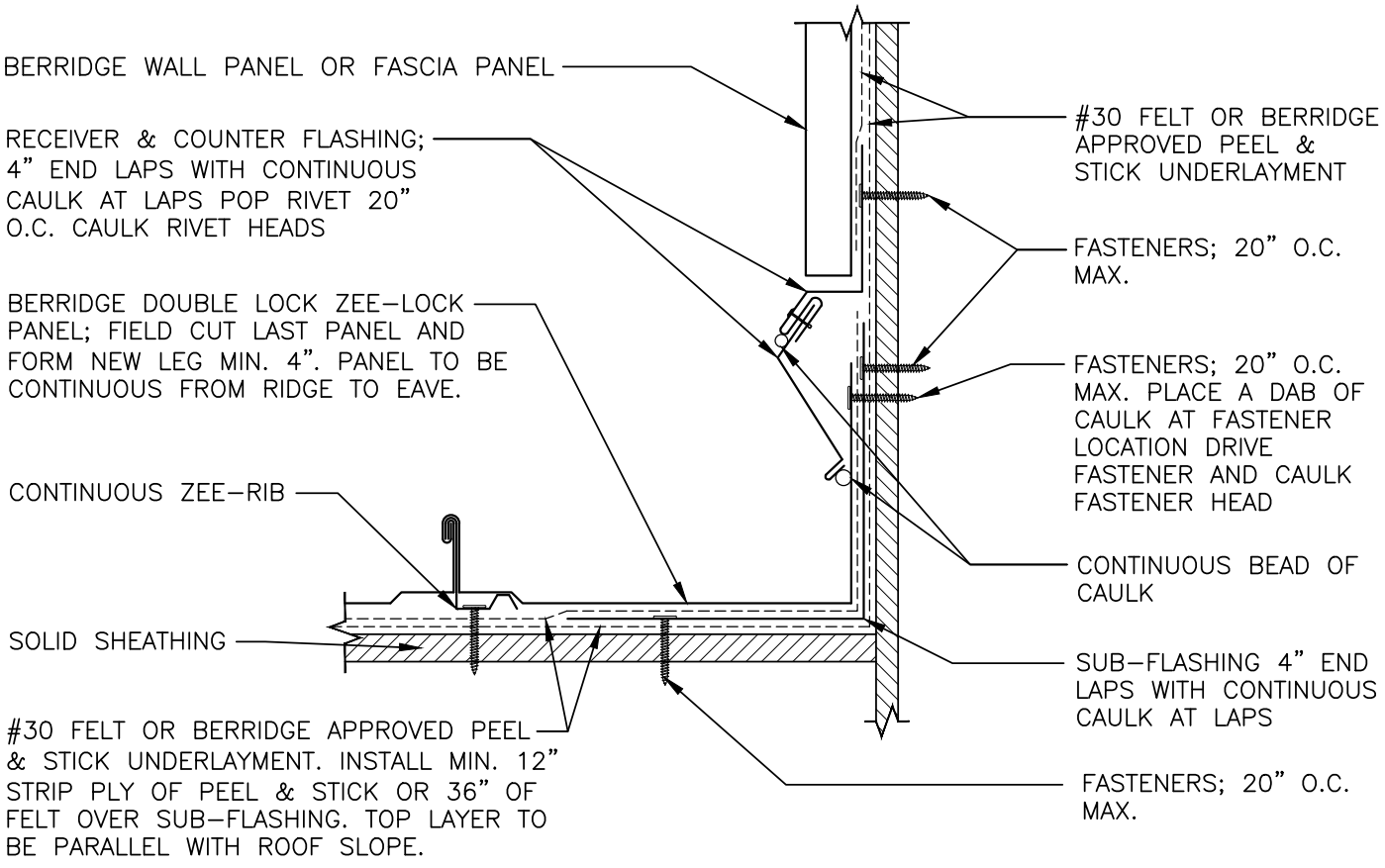
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL RECIEVER FLASHING OPEN FRAMING

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE
DZ-53P0



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)

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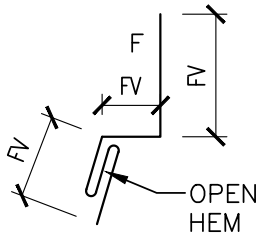
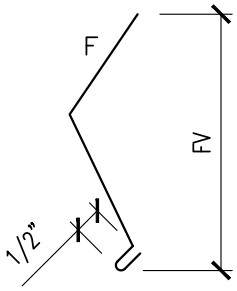
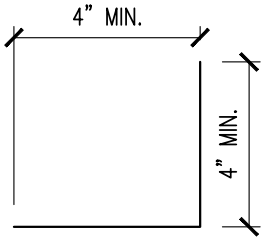


RECIEVER FLASHING



COUNTER FLASHING



SUB-FLASHING

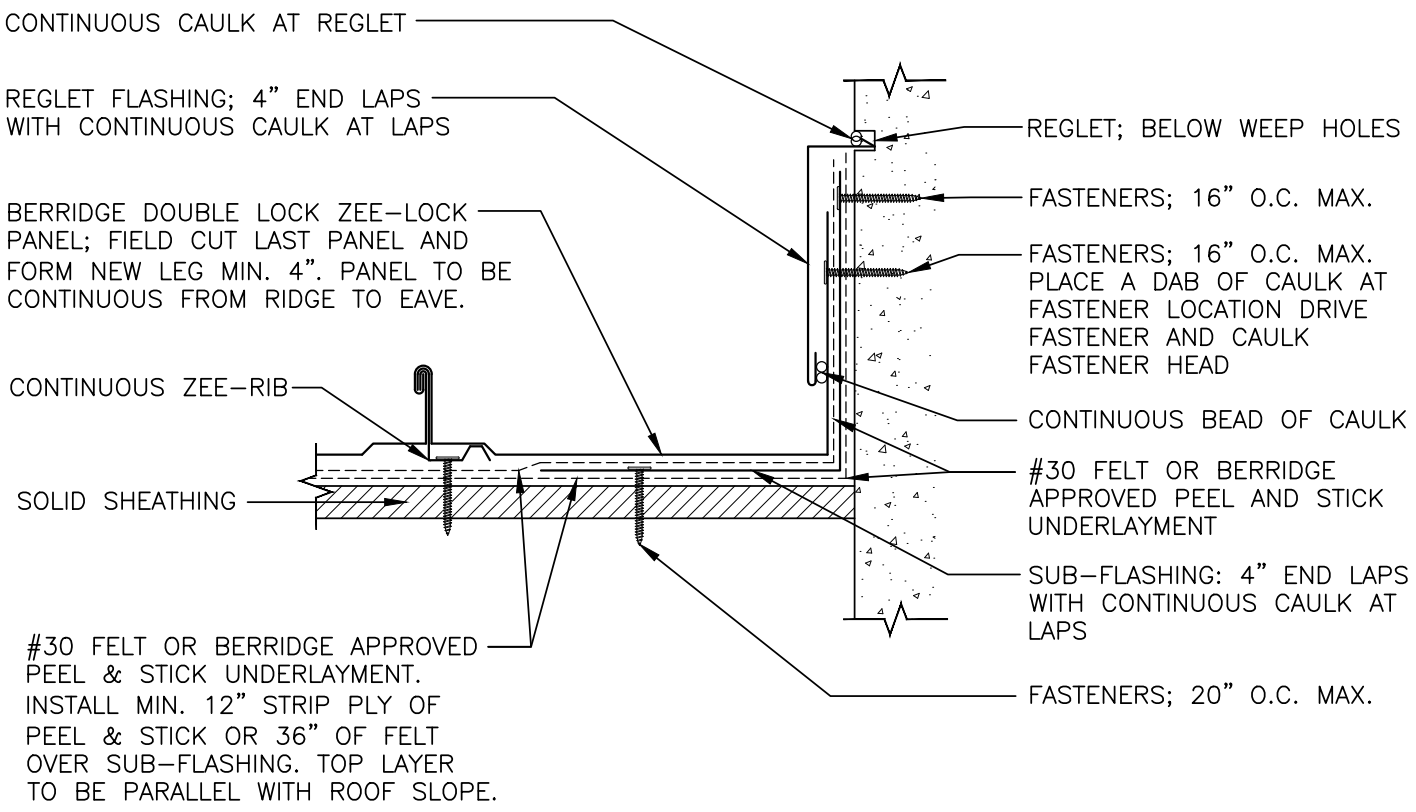
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL RECIEVER FLASHING SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ-53PS



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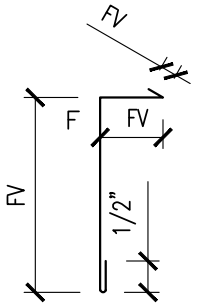
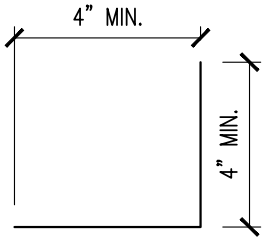


REGLET FLASHING



SUB-FLASHING

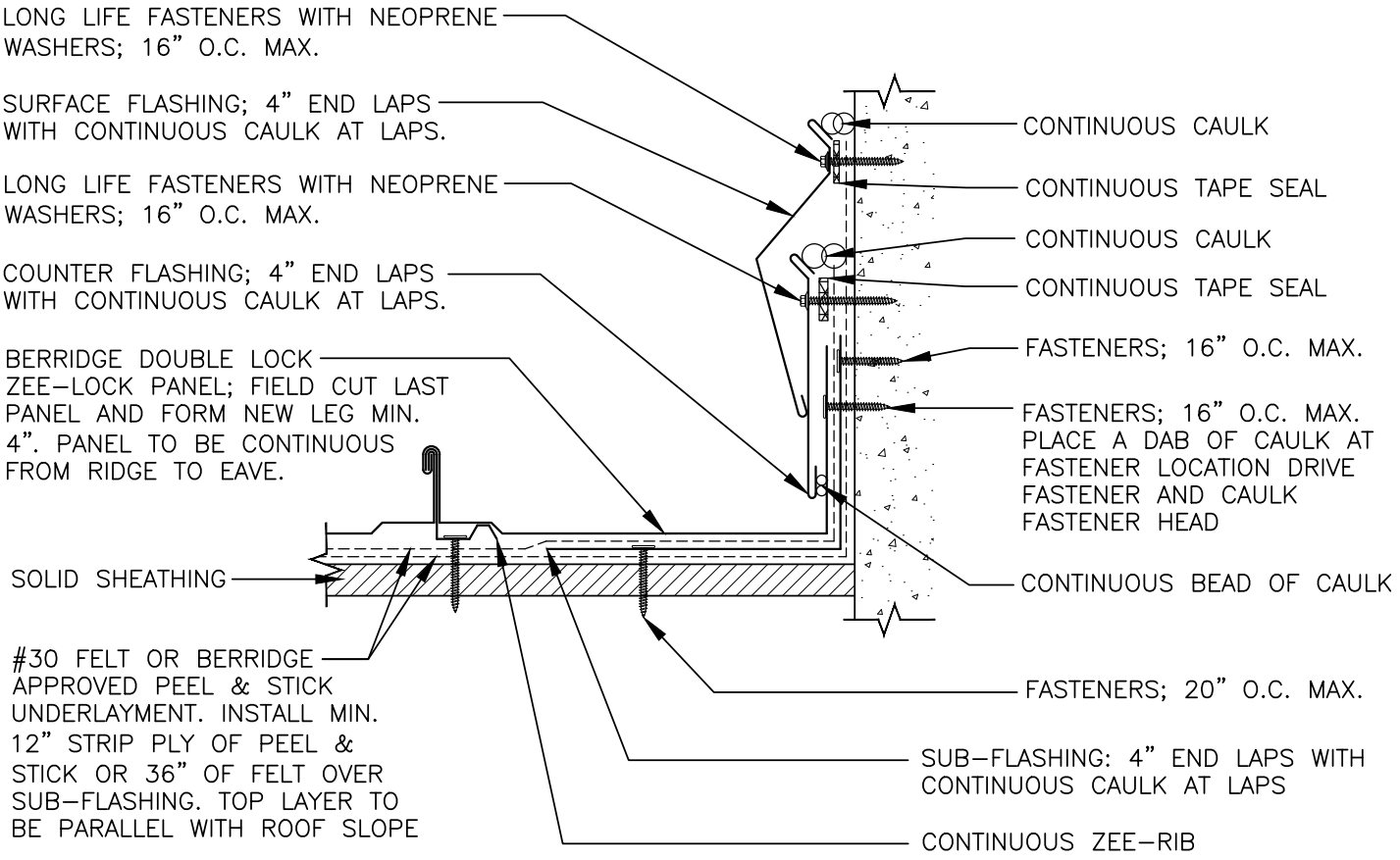
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL
REGLET
SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ-53R



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

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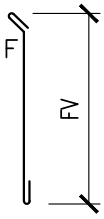
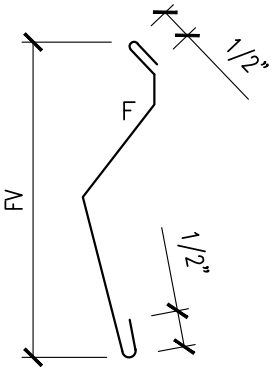
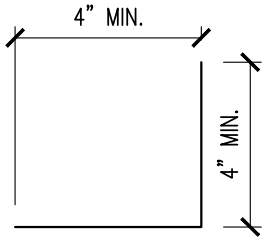


COUNTER FLASHING



SURFACE FLASHING



SUB-FLASHING

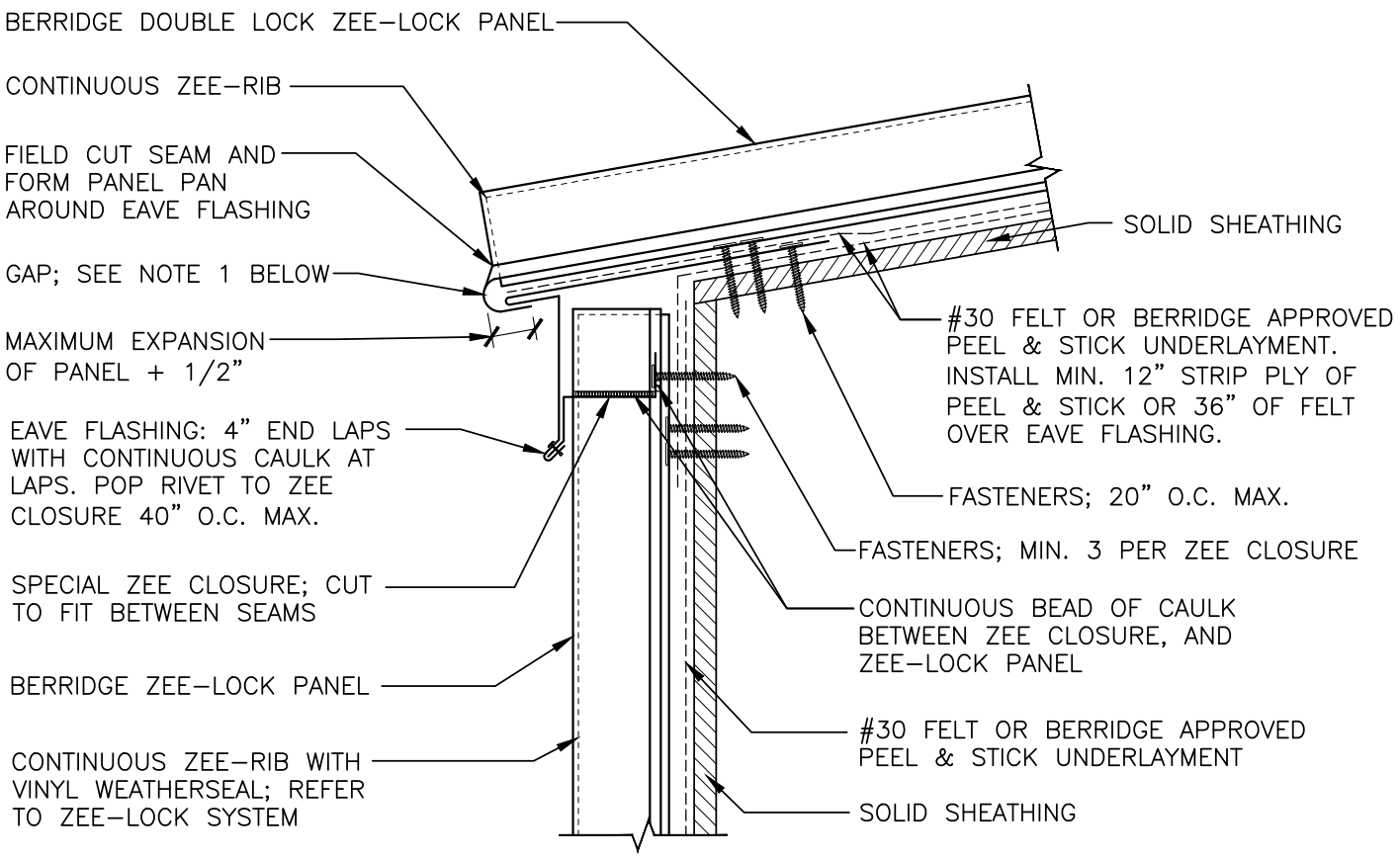
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL SURFACE MOUNT SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ-53SM



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

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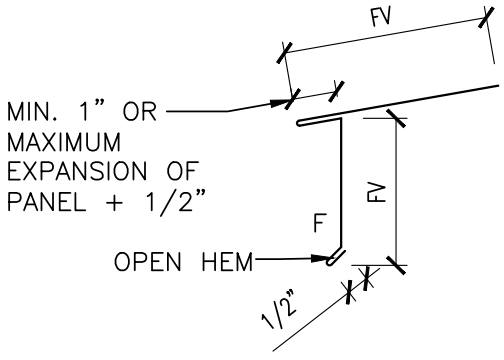
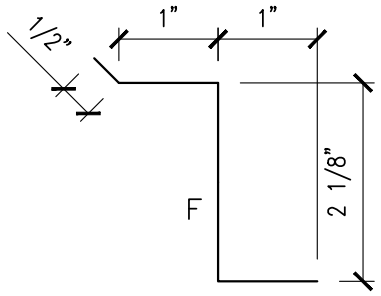


EAVE FLASHING



SPECIAL ZEE CLOSURE

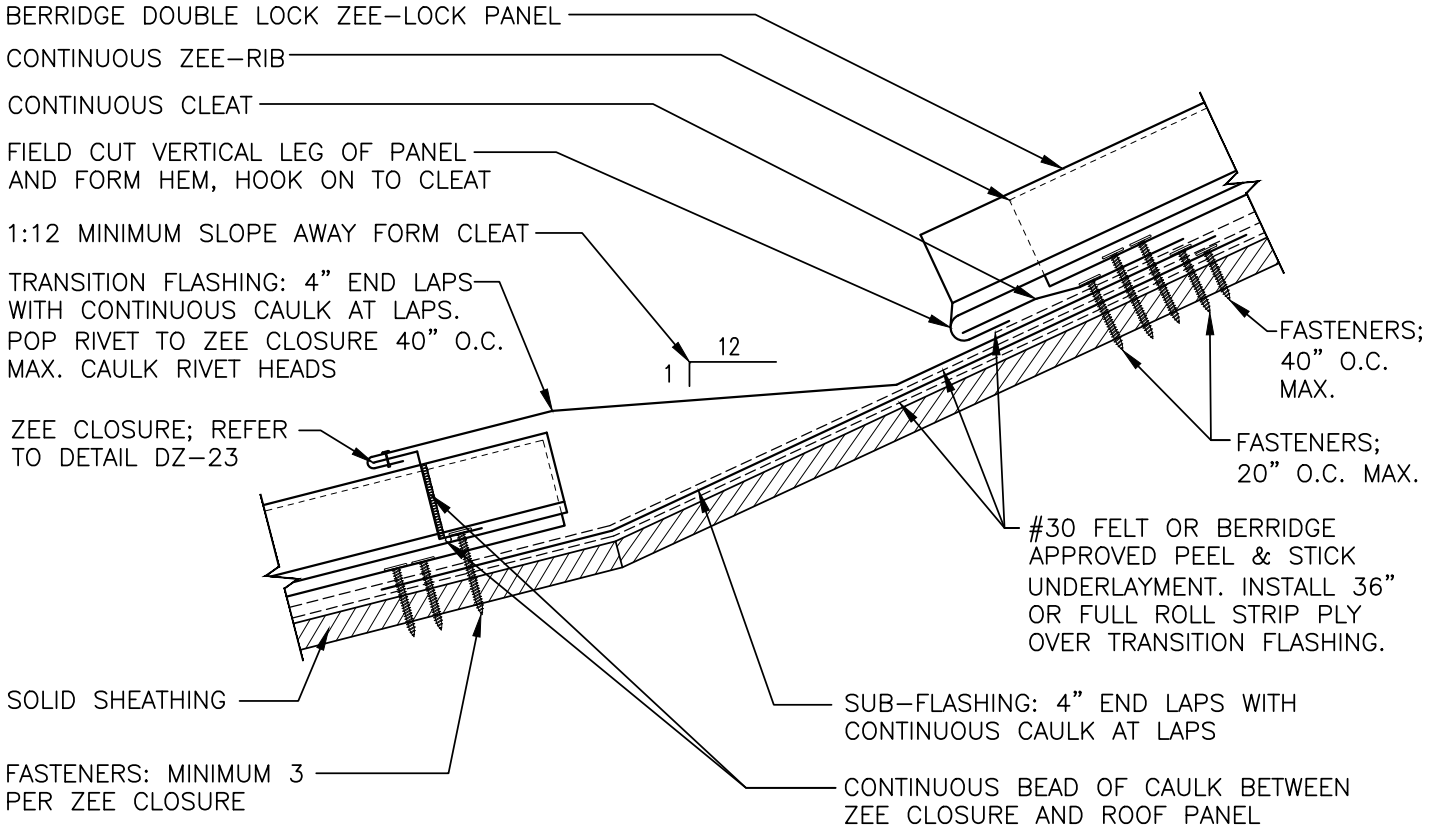
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

ROOF TO FASCIA TRANSITION SOLID SUBSTRATE

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ–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. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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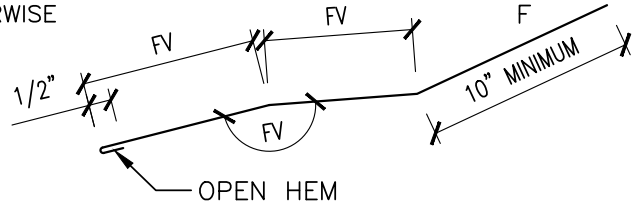
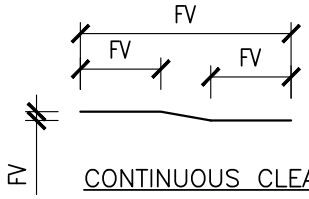
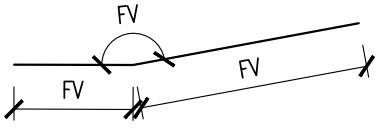


TRANSITION FLASHING



CONTINUOUS CLEAT



SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY

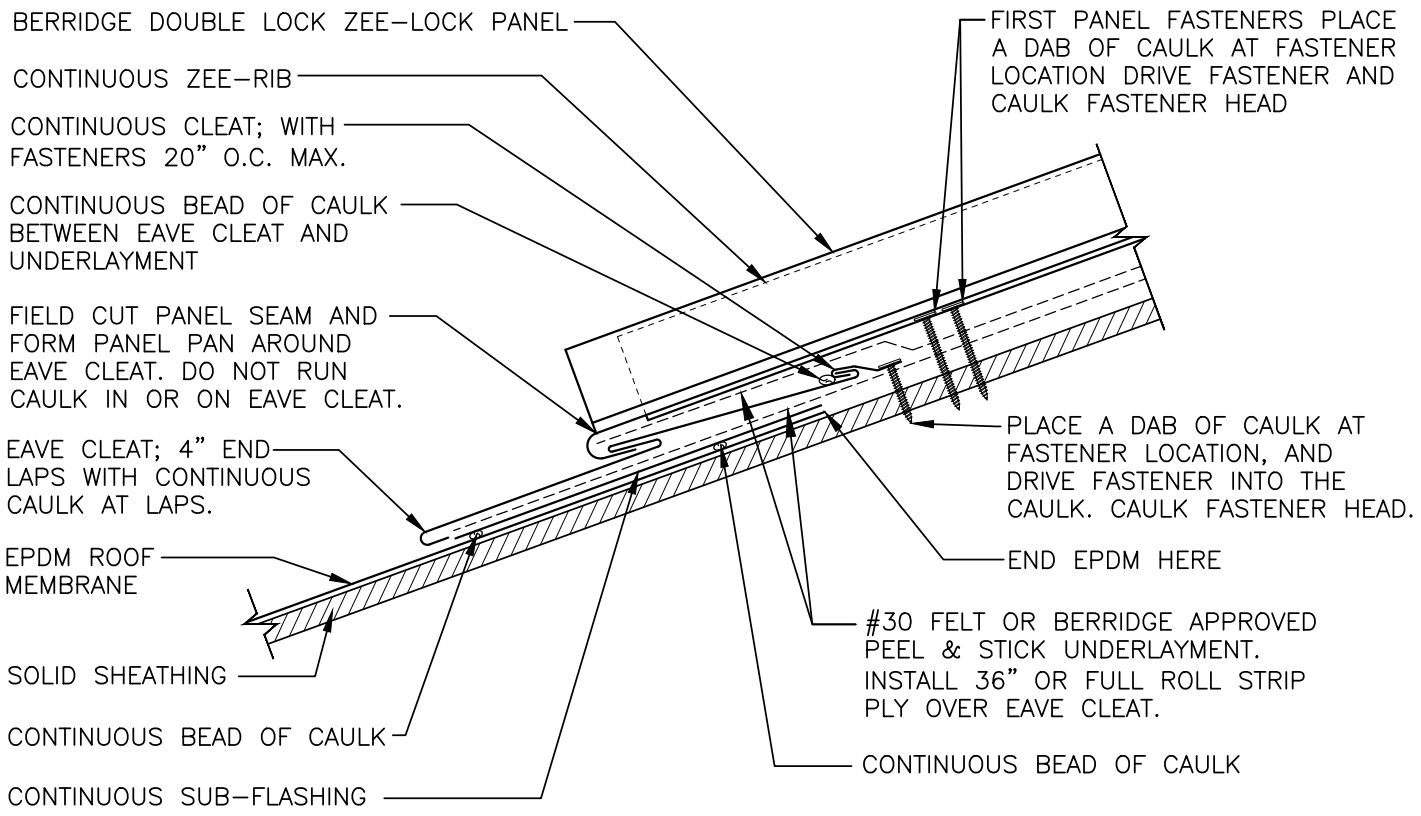
Roofs of Distinction

SLOPE TRANSITION DETAIL SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–61



ALL FASTENERS FROM EAVE CLEAT UP SLOPE MINIMUM 8'–0" PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

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

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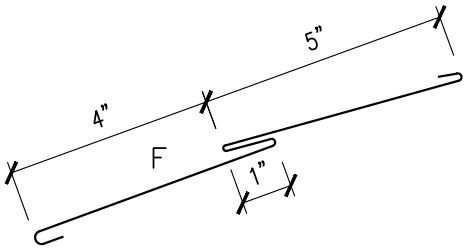
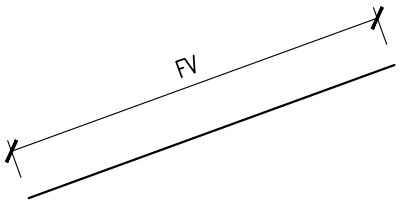


EAVE CLEAT



SUB–FLASHING

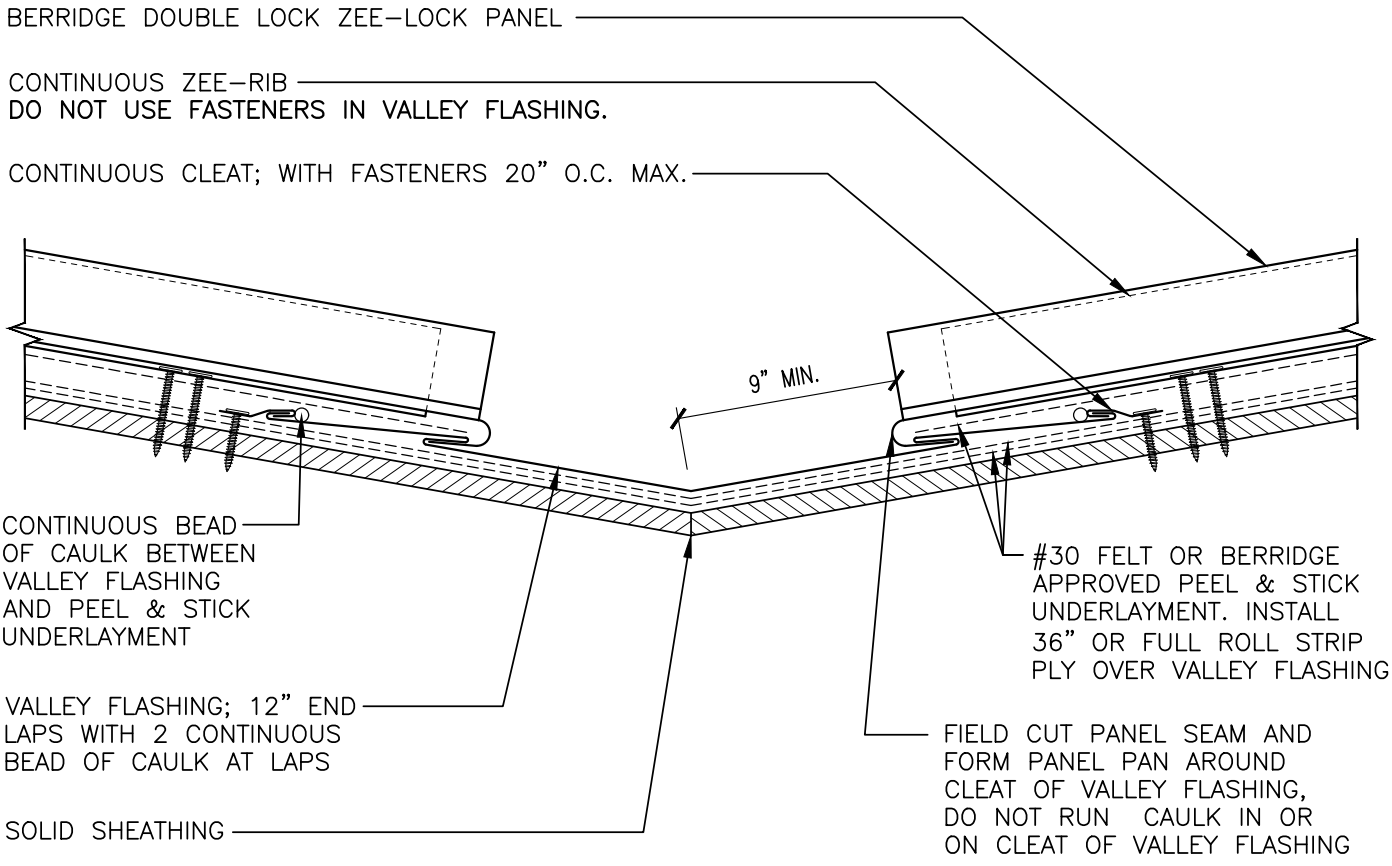
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

PANEL TRANSITION TO EPDM SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–70(EPDM)



SEE DETAIL DZ–71 FOR VALLEY FLASHING LAPPING

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

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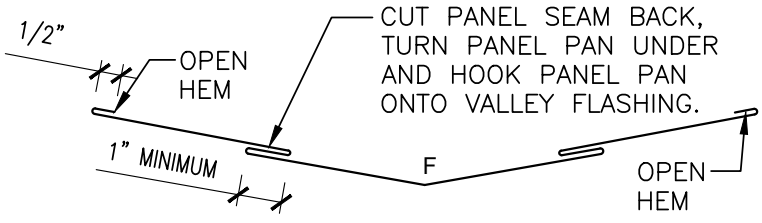
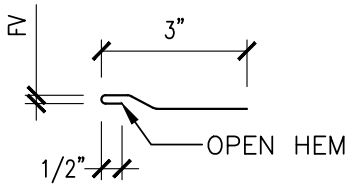


VALLEY FLASHING

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



CONTINUOUS CLEAT

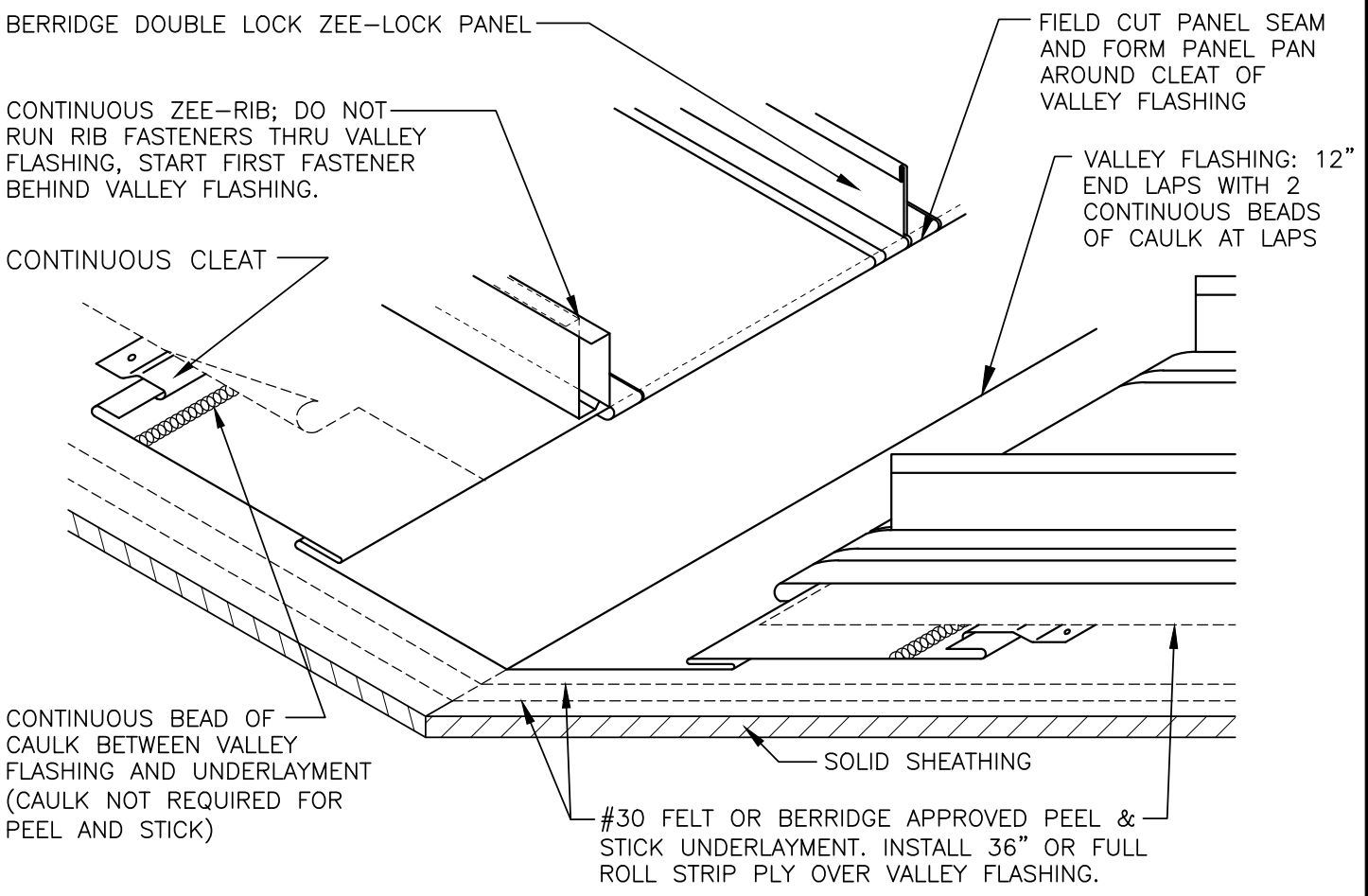
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

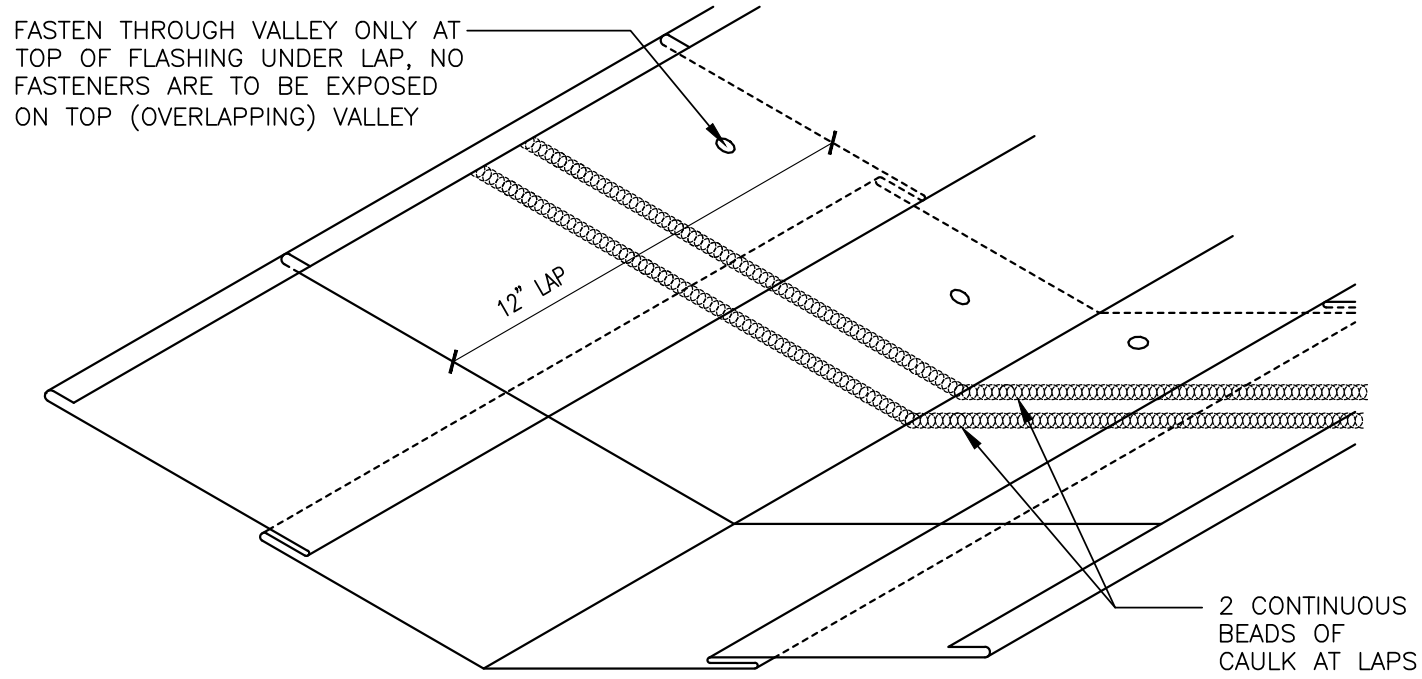
VALLEY DETAIL SOLID SUBSTRATE

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

PAGE\FILE
DZ–70





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

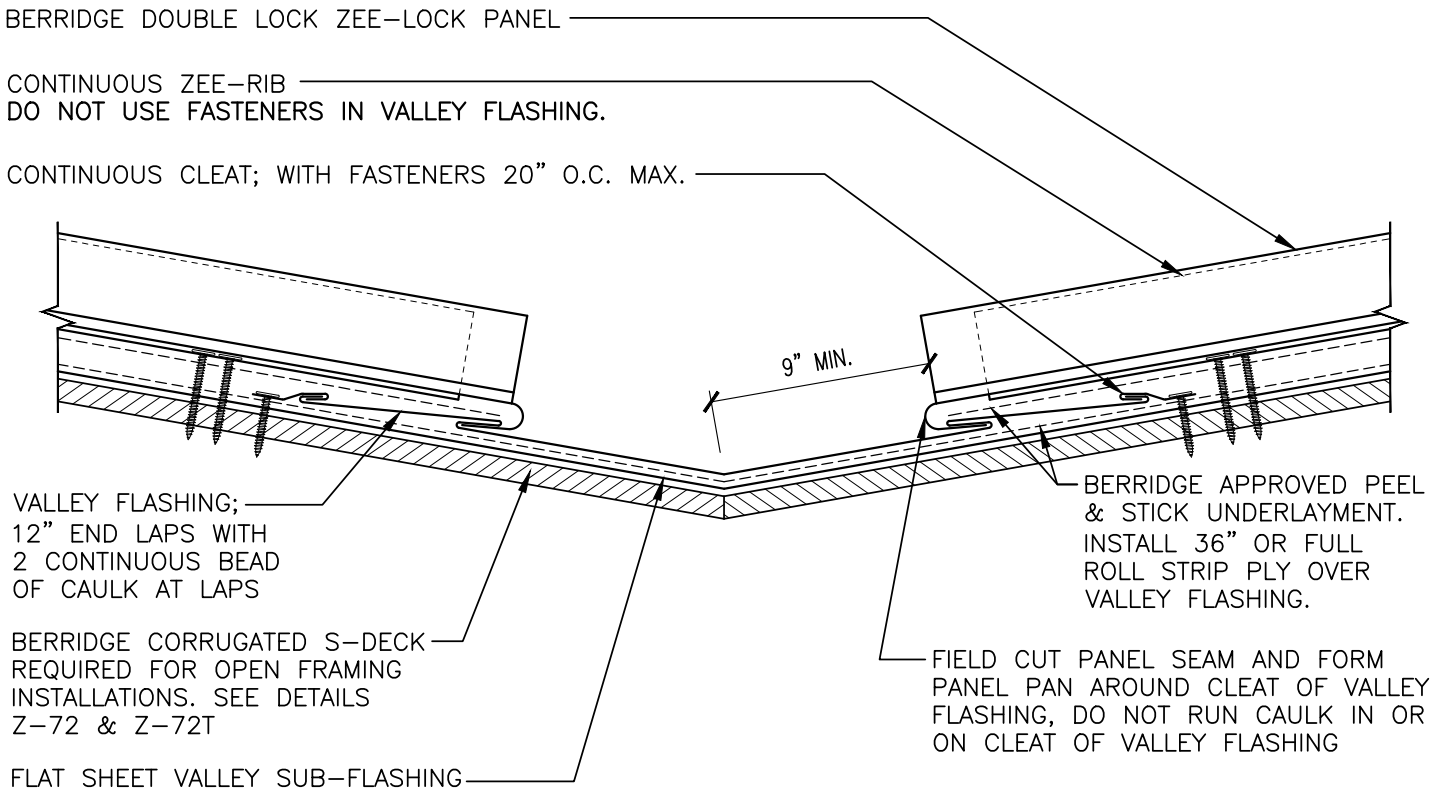
VALLEY DETAIL; ISOMETRIC OPEN FRAMING & SOLID SUBSTRATE

DATE: 9/20

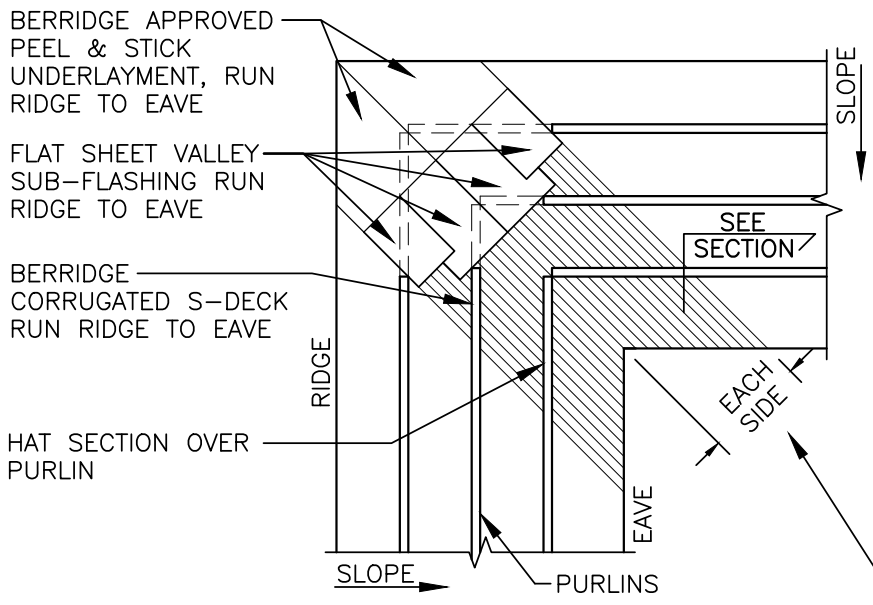
DOUBLE LOCK ZEE–LOCK PANEL

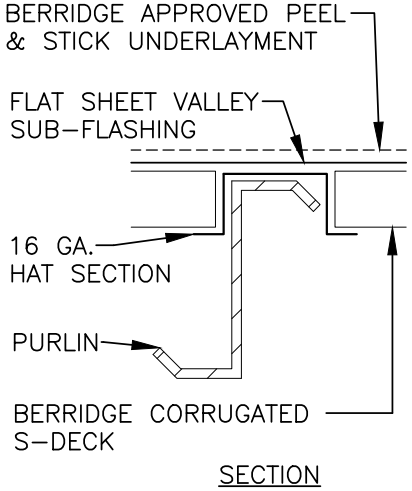
PAGE\FILE

DZ–71



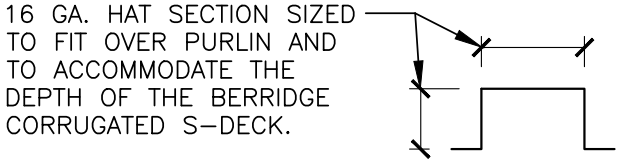
*FLASHING PROFILES AND NOTES, SEE DETAILS DZ–70, DZ–71, & DZ–73A





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

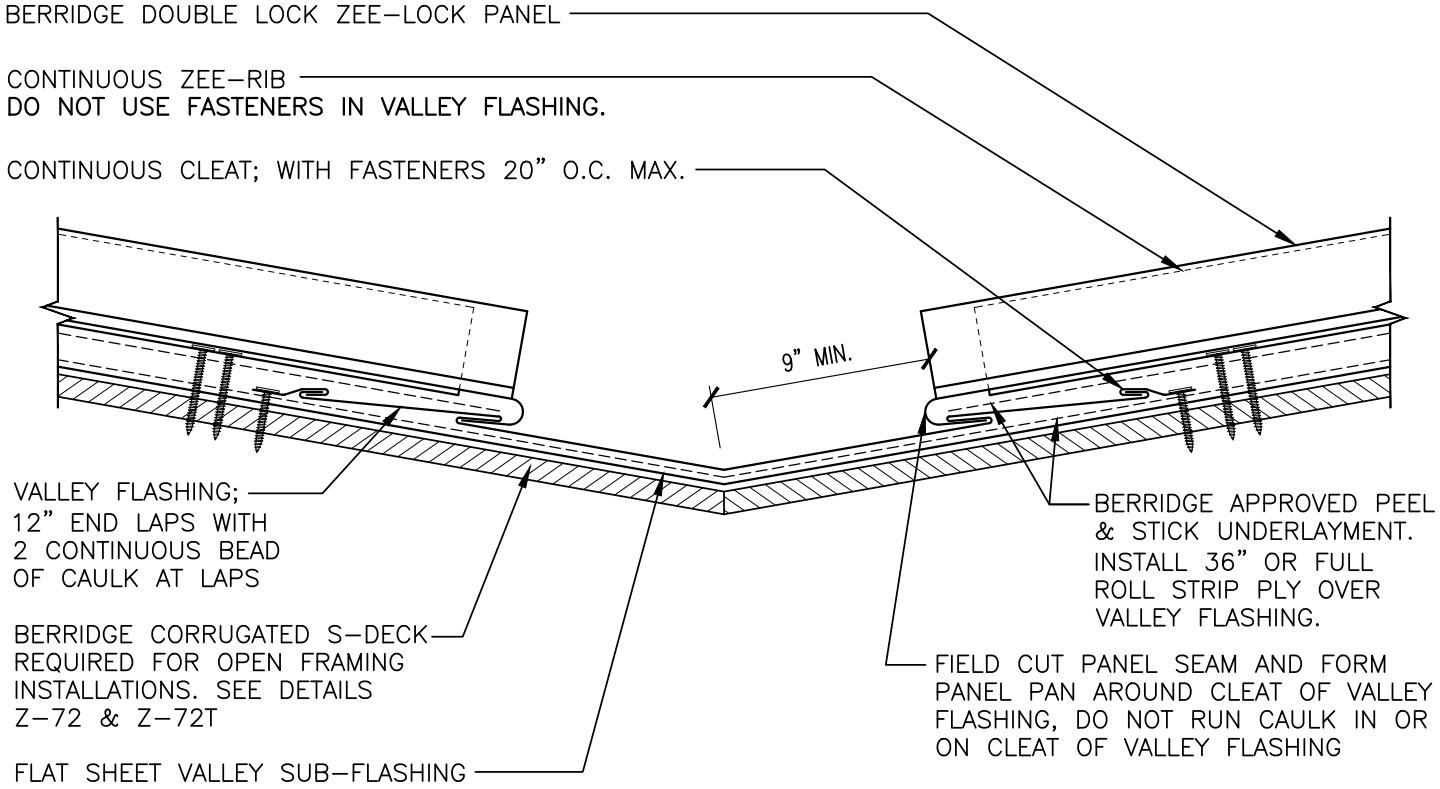
VALLEY DETAIL
OPEN FRAMING; 2" ZEE–RIB

DOUBLE LOCK ZEE–LOCK PANEL

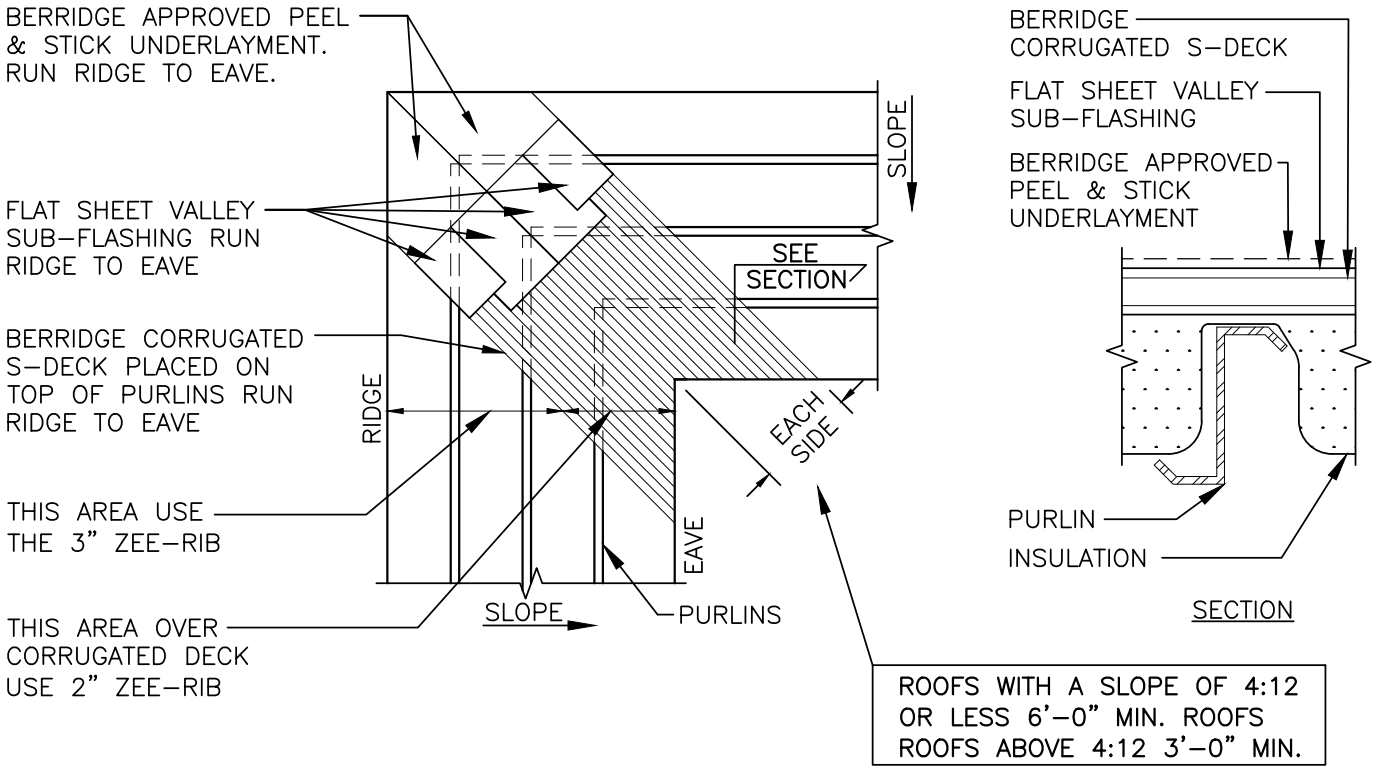
DATE: 9/20

PAGE\FILE

DZ–72



*FLASHING PROFILES AND NOTES, SEE DETAILS DZ–70, DZ–71, & DZ–73A



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

VALLEY DETAIL
OPEN FRAMING; 3" ZEE–RIB

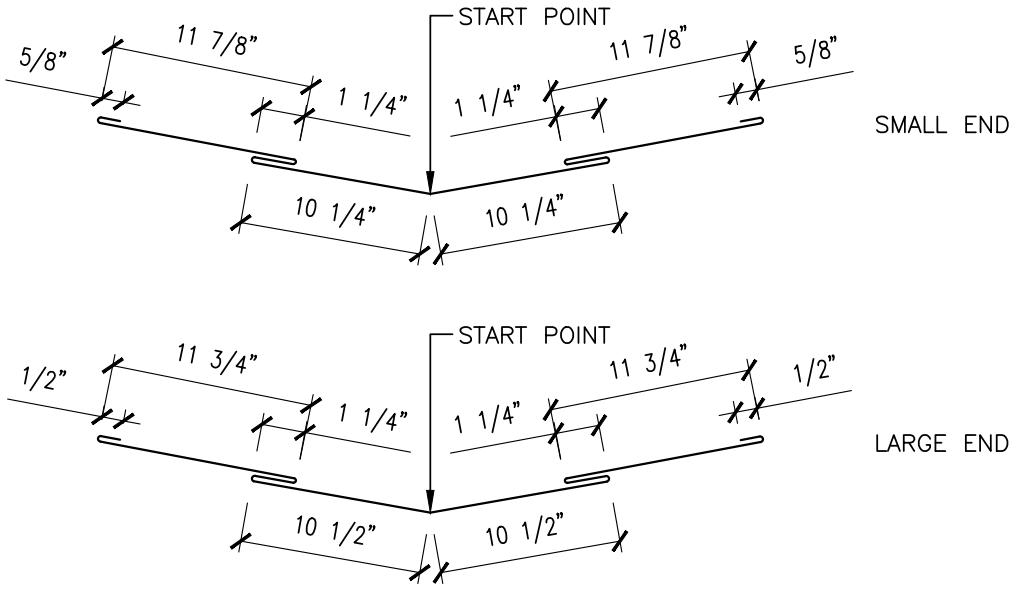
DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

PAGE\FILE

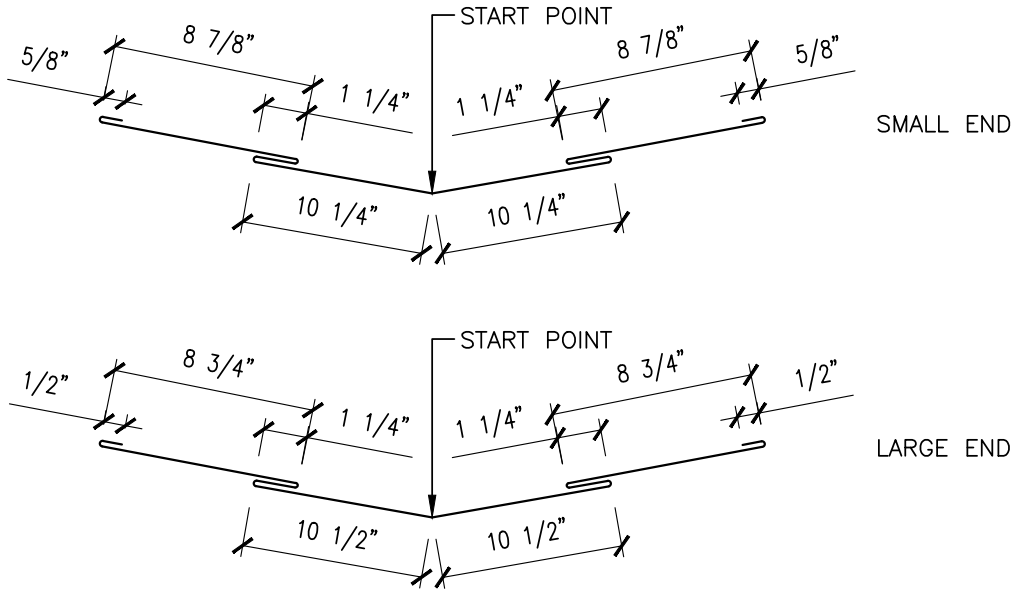
DZ–72T

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

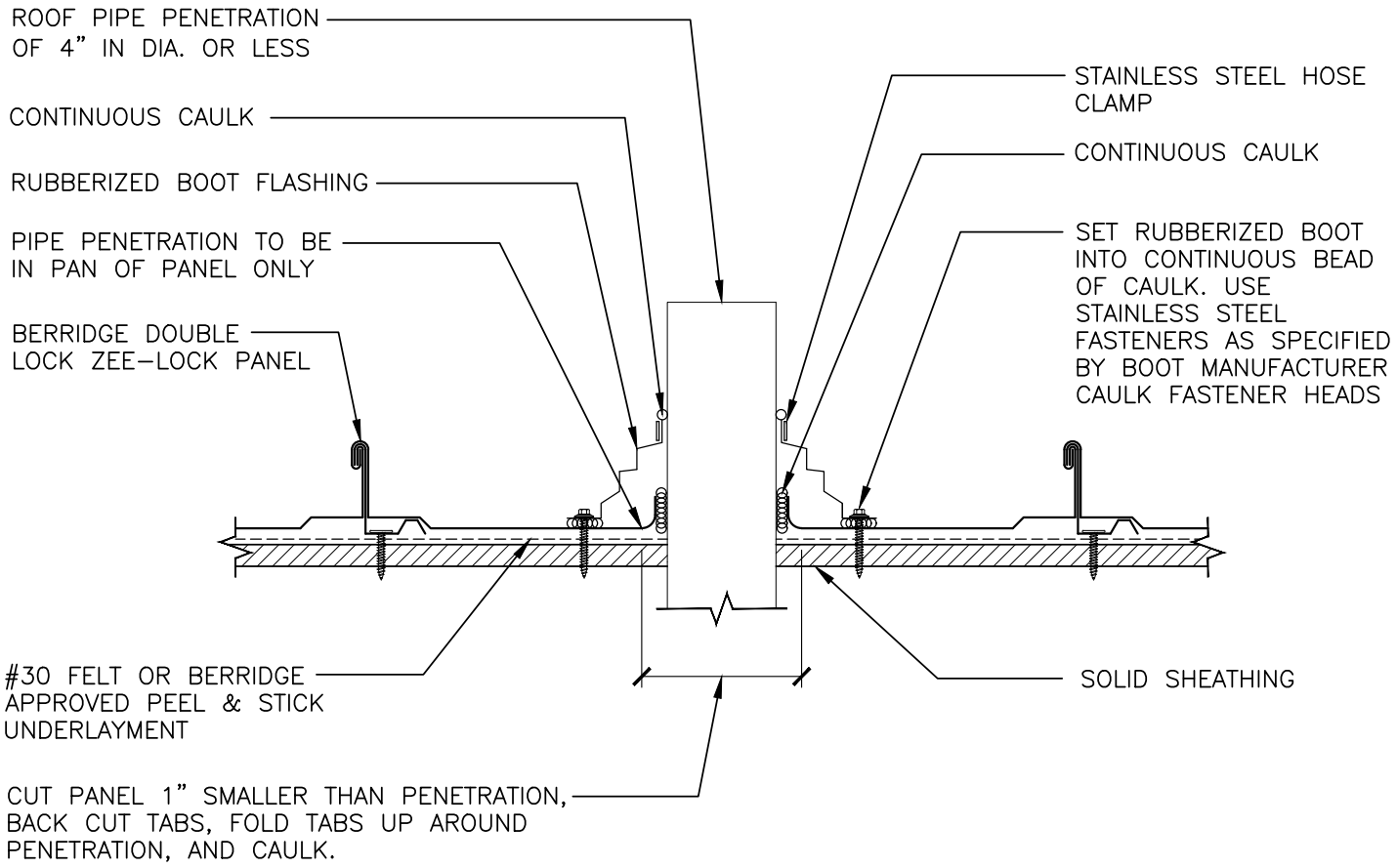
TAPERED VALLEY DETAIL W/OUT DIVERTER

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE

DZ–73A



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

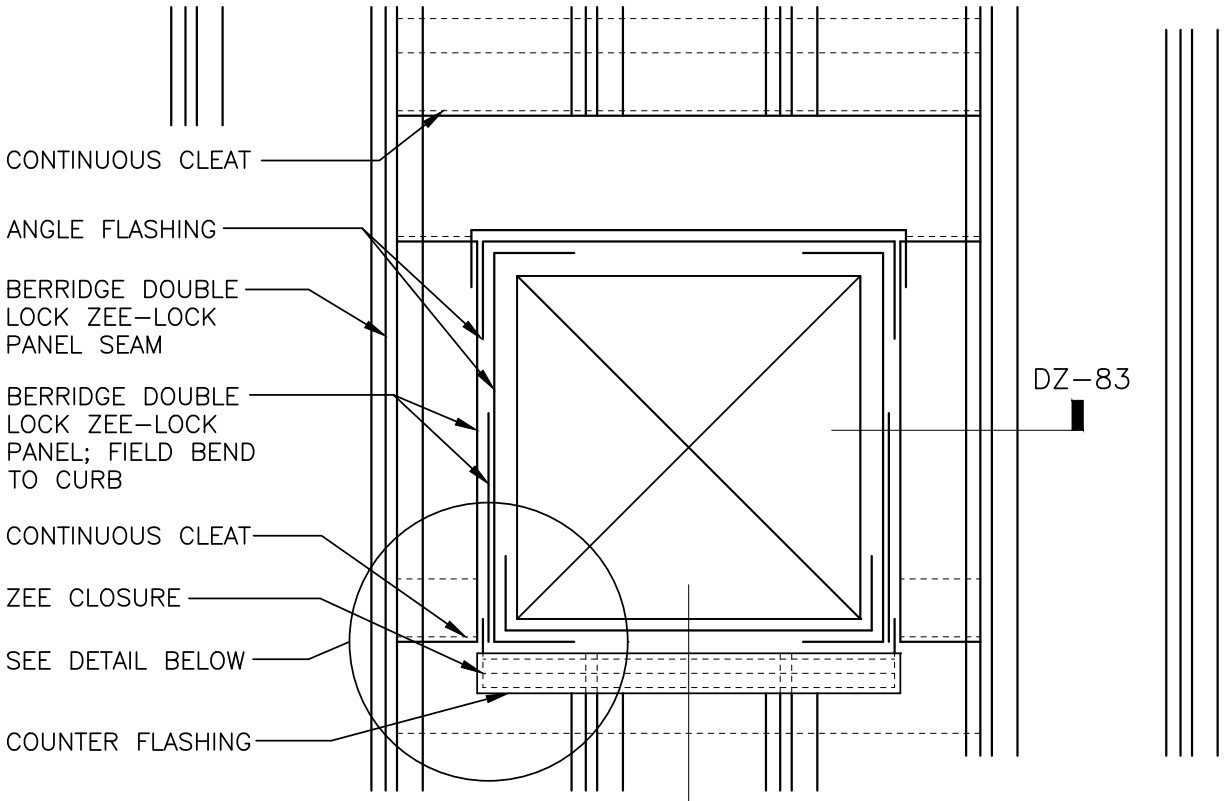
Roofs of Distinction

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

DOUBLE LOCK ZEE–LOCK PANEL

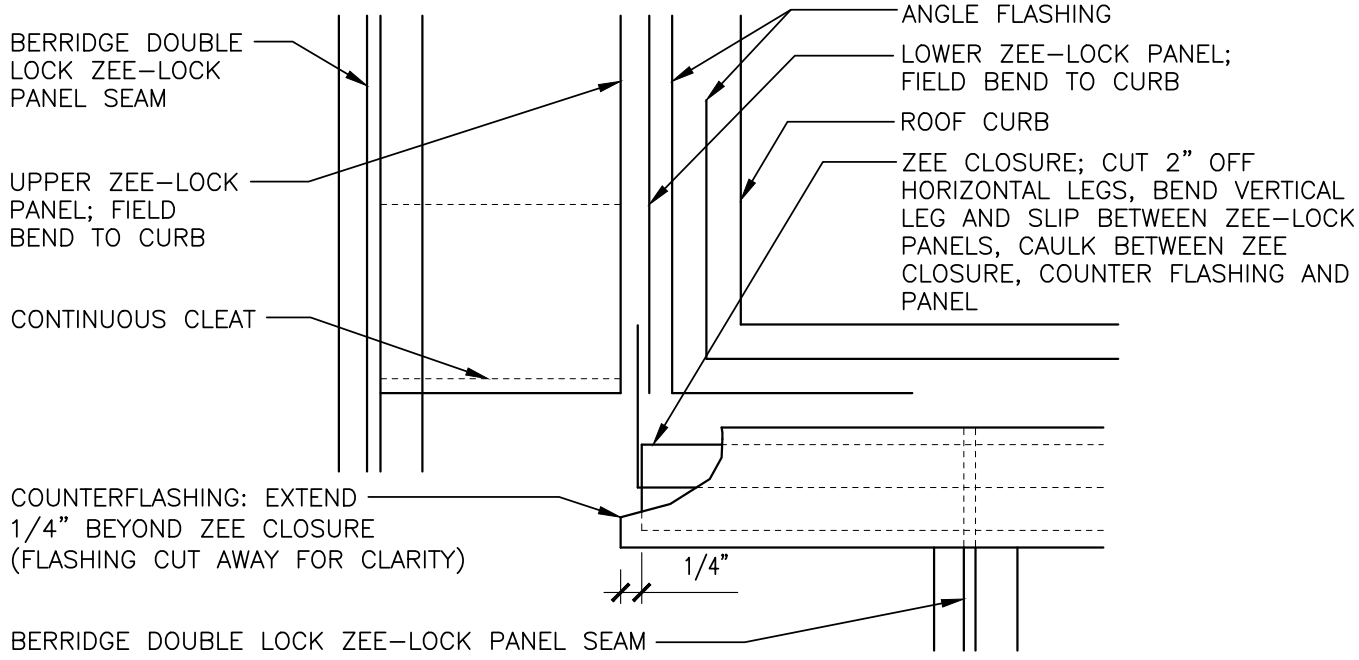
DATE: 9/20

PAGE\FILE
DZ–80



DO NOT: RUN CAULK ON OR UNDER CONTINUOUS CLEAT

FOR ROOF PENETRATIONS LARGER THAN 4" SQUARE OR ROUND



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

SQUARE PENETRATION PLAN VIEW

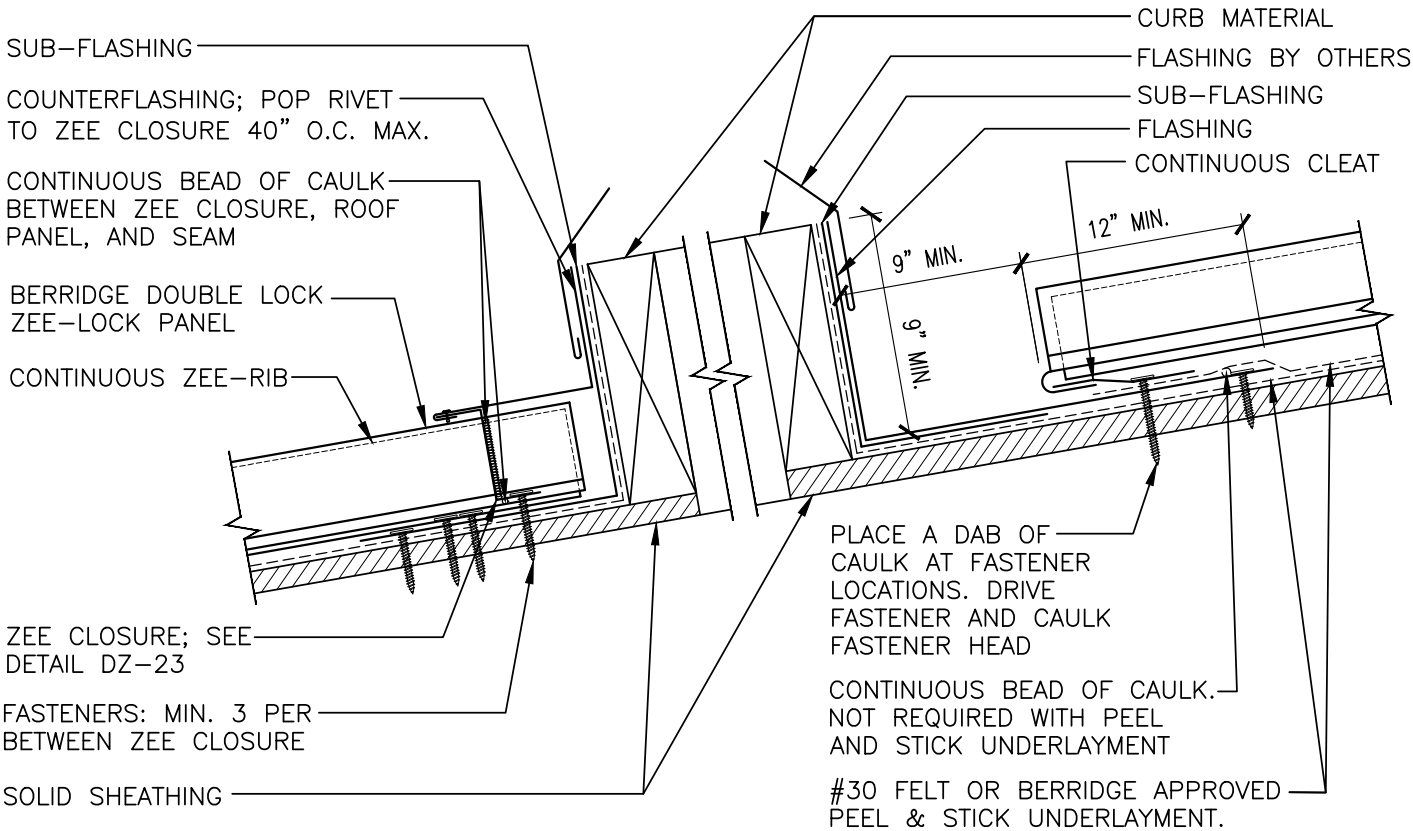
OPEN FRAMING AND SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE

DZ–81



FOR ROOF PENETRATIONS LARGER THAN 4" SQUARE OR ROUND

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

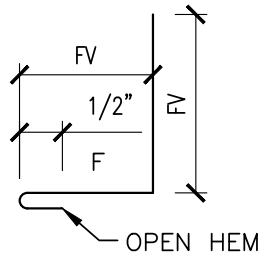
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS DZ–85 & DZ–86)

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

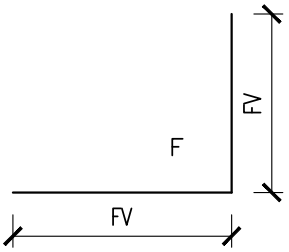
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

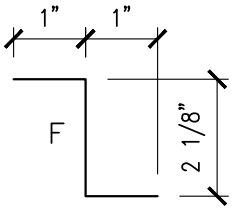
F = FINISH SIDE
FV = FIELD VERIFY



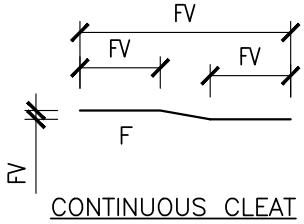
COUNTER FLASHING



SUB–FLASHING



ZEE CLOSURE



CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

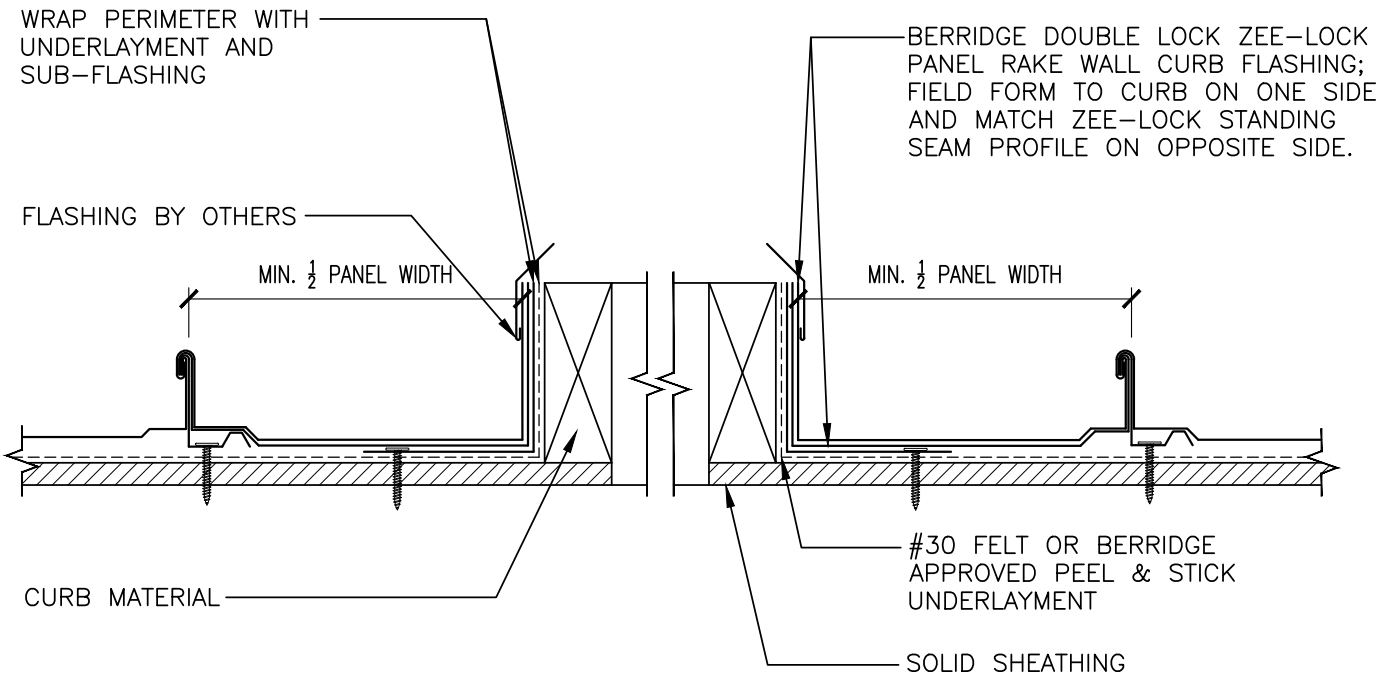
SQUARE PENETRATION SECTION A
OPEN FRAMING AND SOLID SUBSTRATE

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–82

FOR ROOF PENETRATIONS LARGER THAN 4" SQUARE OR ROUND



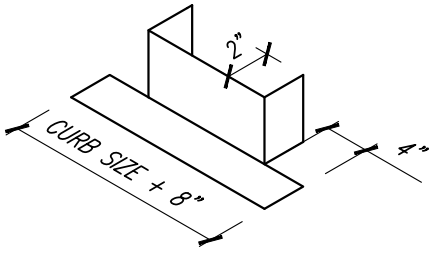
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS DZ–85 & DZ–86)

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

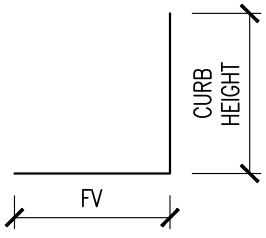
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

F = FINISH SIDE
FV = FIELD VERIFY



WRAP FLASHING



SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

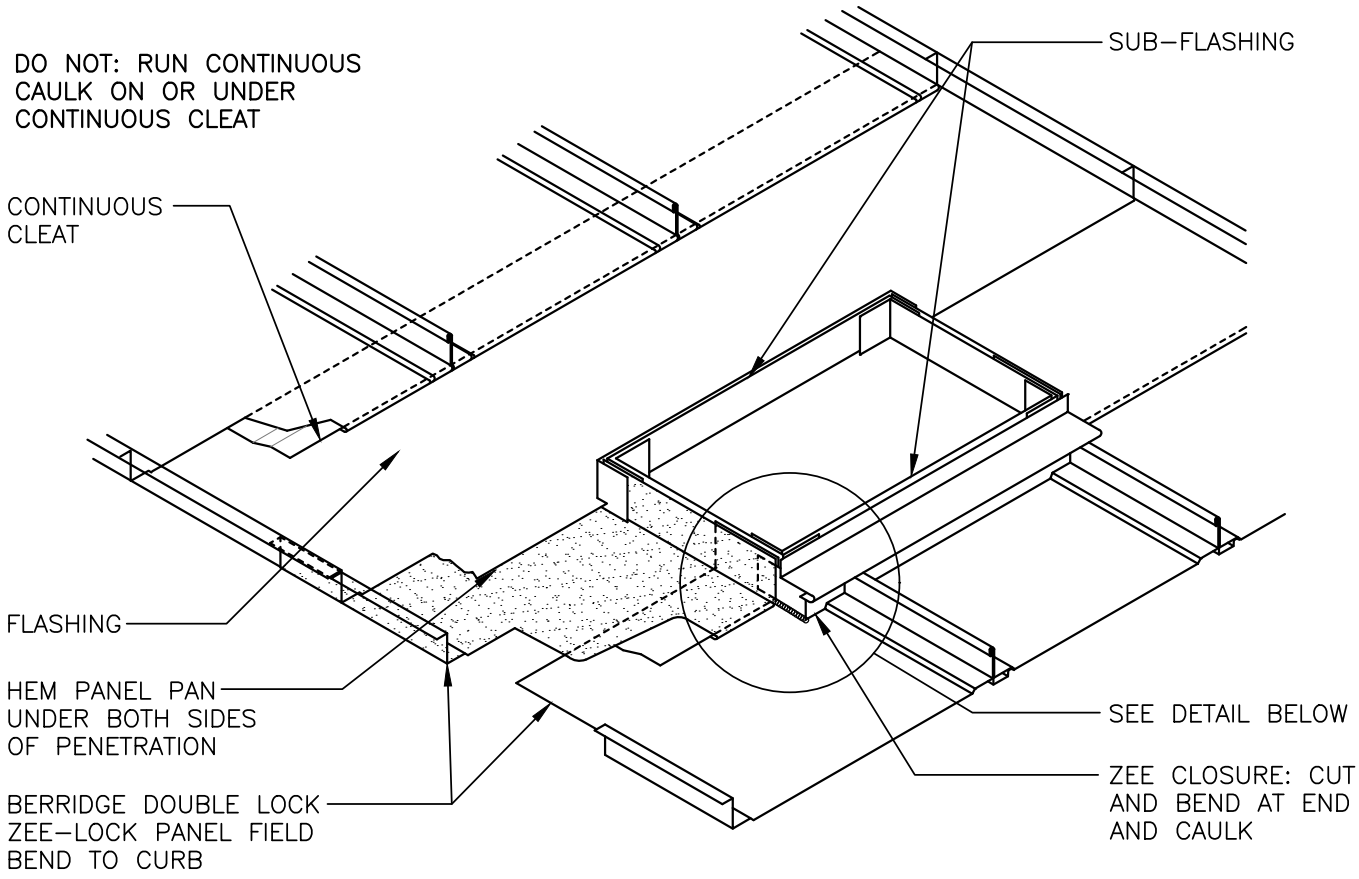
SQUARE PENETRATION SECTION B
OPEN FRAMING AND SOLID SUBSTRATE

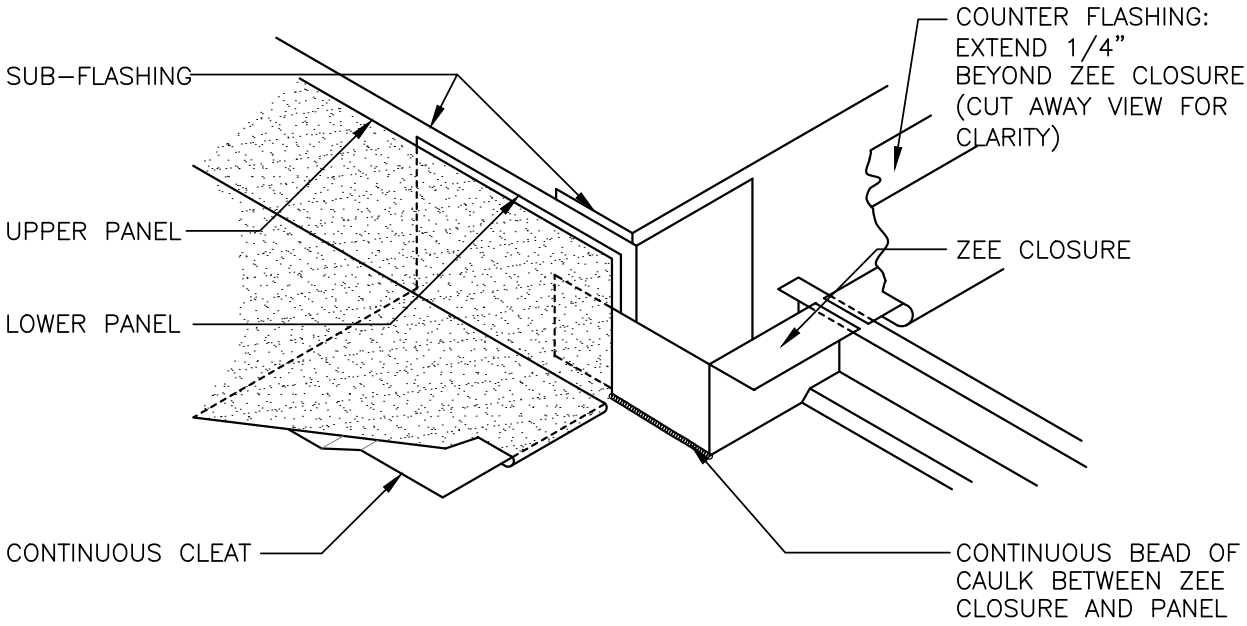
DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–83

FOR ROOF PENETRATIONS LARGER THAN 4" SQUARE OR ROUND





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

SQUARE PENETRATION ISOMETRIC

OPEN FRAMING AND SOLID SUBSTRATE

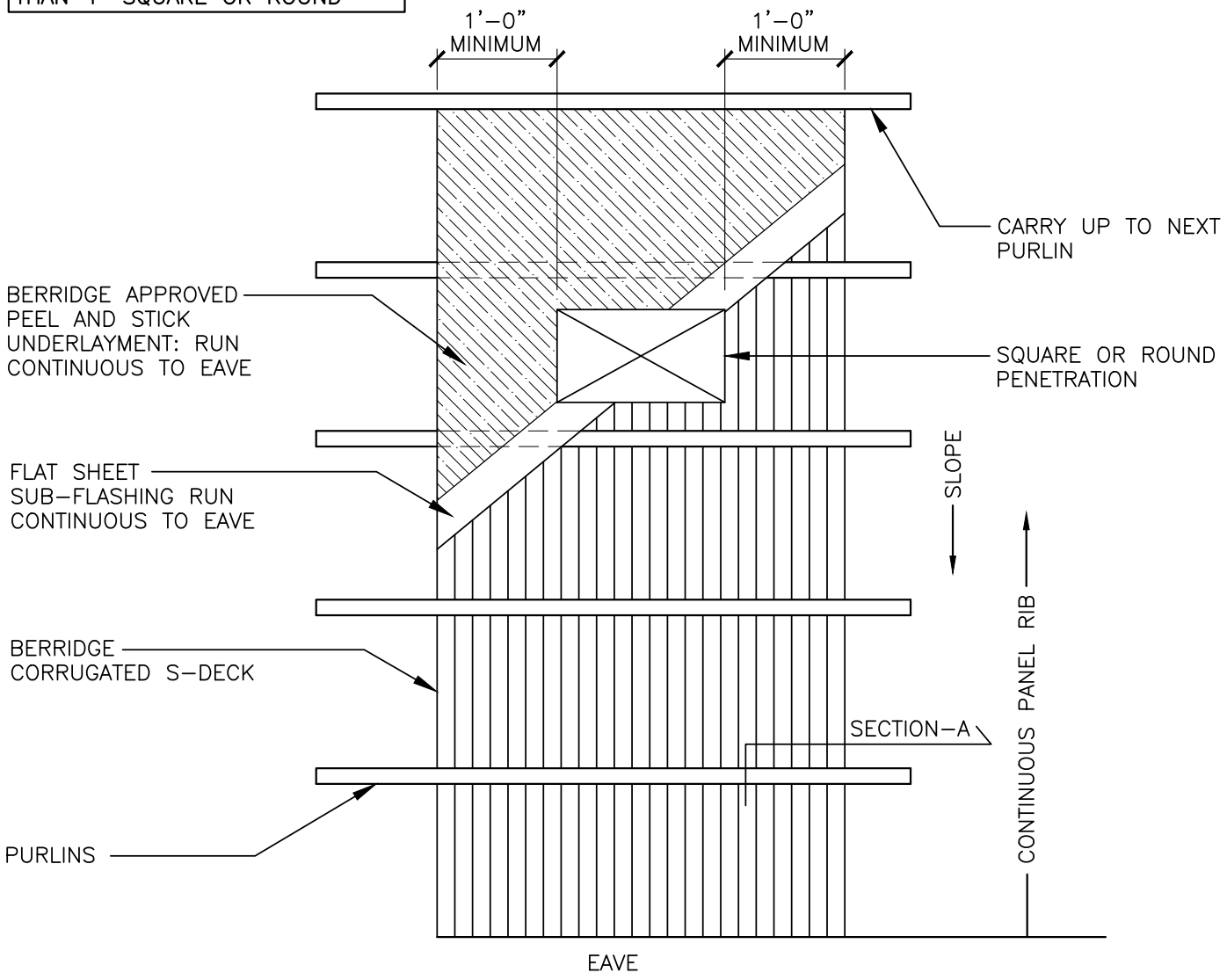
DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

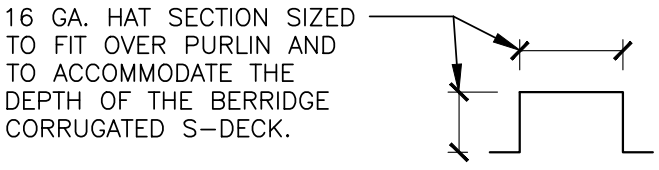
PAGE\FILE

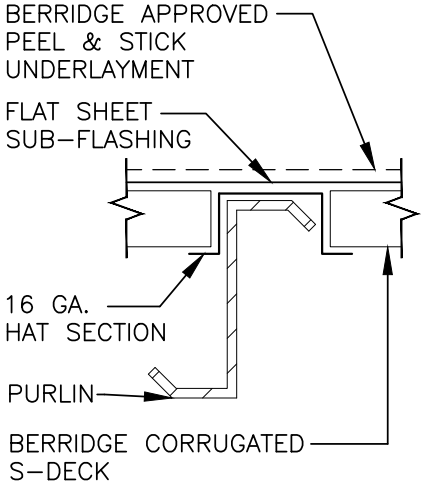
DZ-84

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 FOR LIST OF APPROVED PRODUCTS.





SECTION–A

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

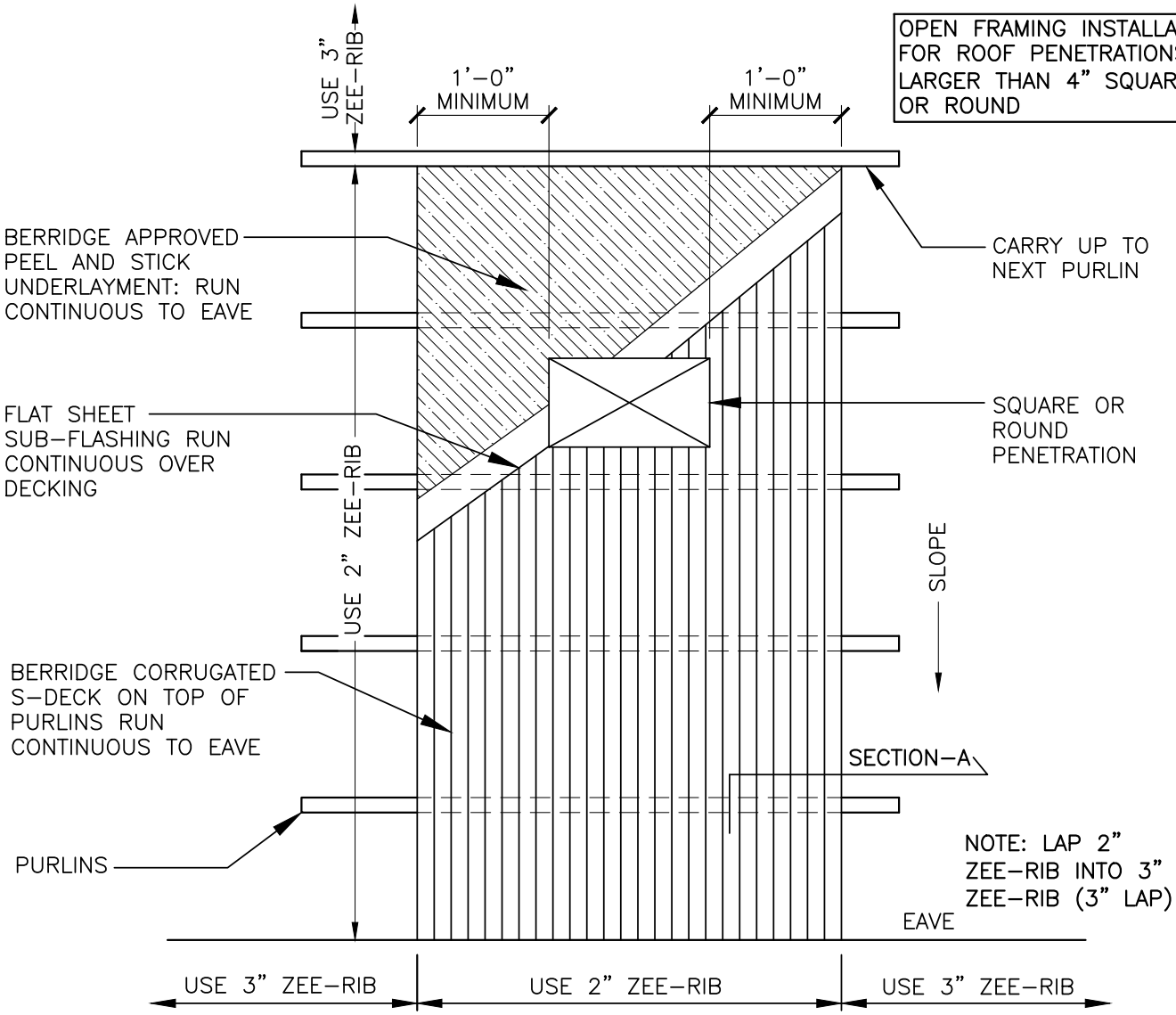
PENETRATION LARGER THAN 4"; 2" ZEE–RIB OPEN FRAMING

DOUBLE LOCK ZEE–LOCK PANEL

DATE: 9/20

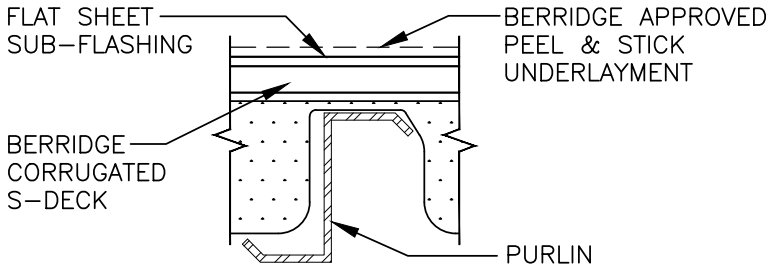
PAGE\FILE

DZ–85



*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 FOR LIST OF APPROVED PRODUCTS.



SECTION-A

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

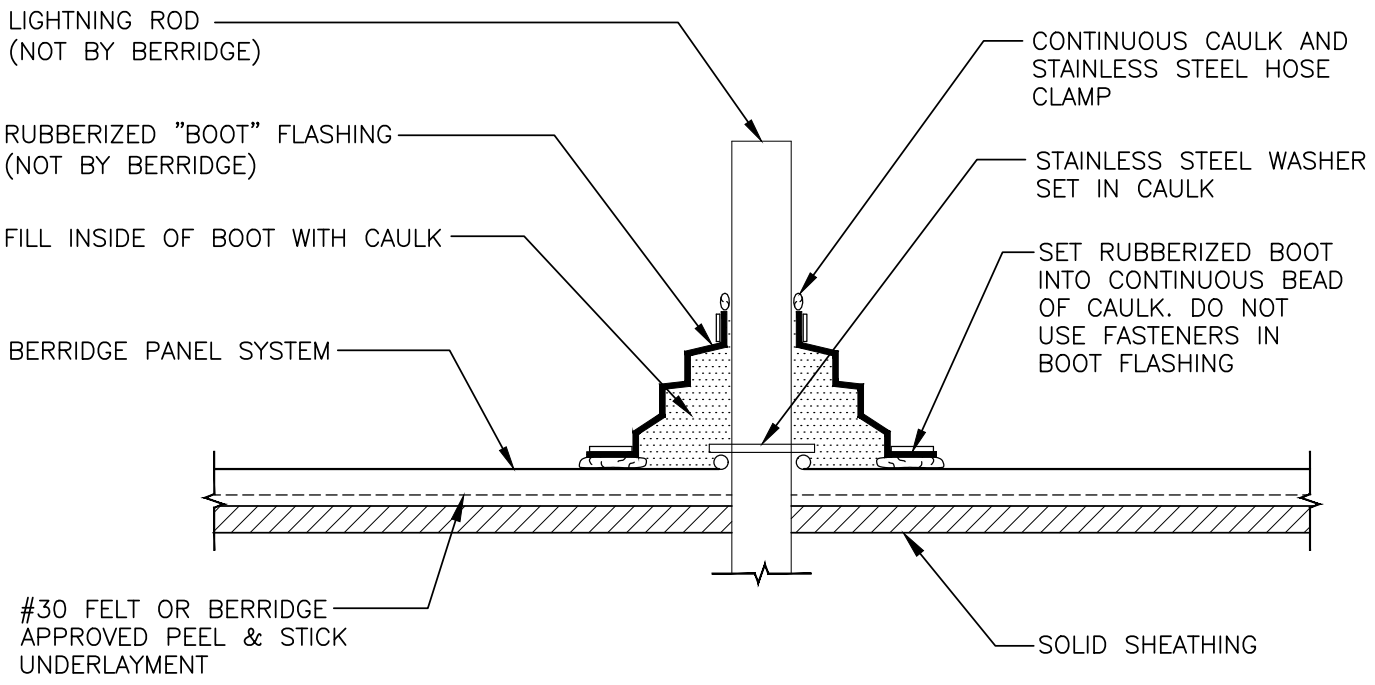
PENETRATION LARGER THAN 4"; 3" ZEE-RIB W/ THERMAL BLOCKS & INSULATION

DATE: 9/20

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE DZ-86

USE ONLY STAINLESS STEEL OR ALUMINUM LIGHTNING RODS



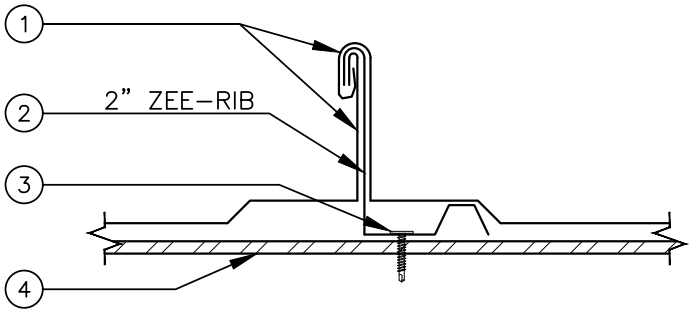
LIGHTNING CONTROL SYSTEMS ON A PROJECT ARE TO THE DISCRETION OF THE ARCHITECT OR PROJECT DESIGNER. BERRIDGE MANUFACTURING CO. MAKES NO RECOMMENDATIONS AS TO WHEN TO USE A LIGHTNING CONTROL SYSTEM.

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.



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

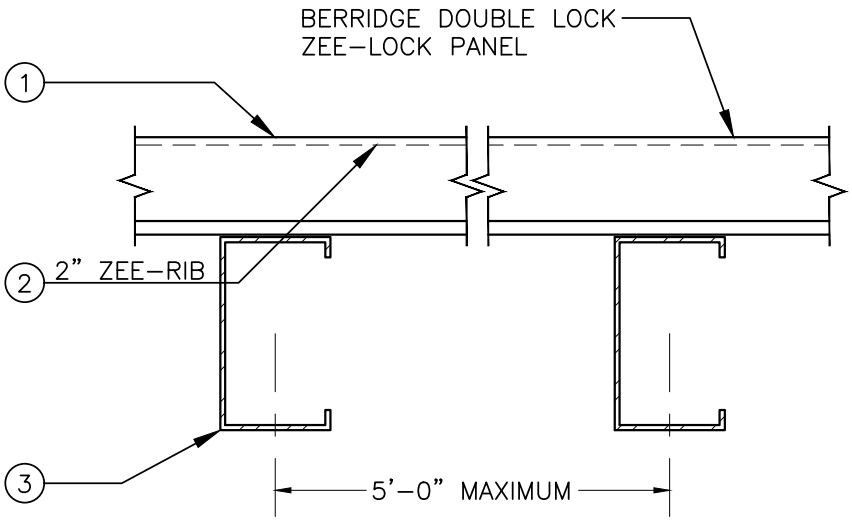
Roofs of Distinction

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

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–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

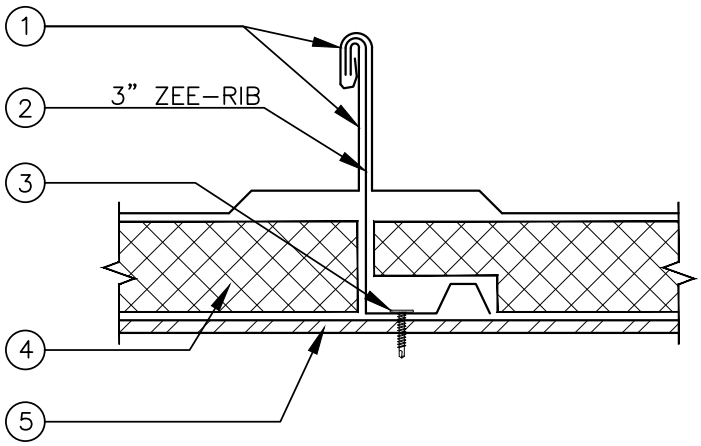
Roofs of Distinction

UL 90 APPROVED ASSEMBLY
PURLIN SPACING
CONSTRUCTION NO. 312

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE
DZ–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

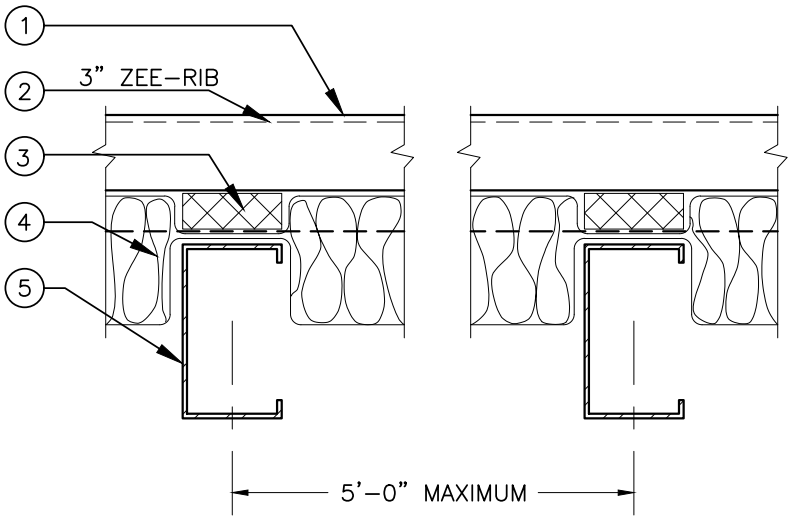
UL 90 APPROVED ASSEMBLY ZEE–LOCK PANEL WITH CONTINUOUS ZEE–RIB AND BLANKET INSULATION AND 1" THERMAL BLOCK AND 16 GA. PURLINS AT 5'–0" O.C. MAX. UL CONSTRUCTION NO. 312

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

PAGE\FILE

DZ–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.

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

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

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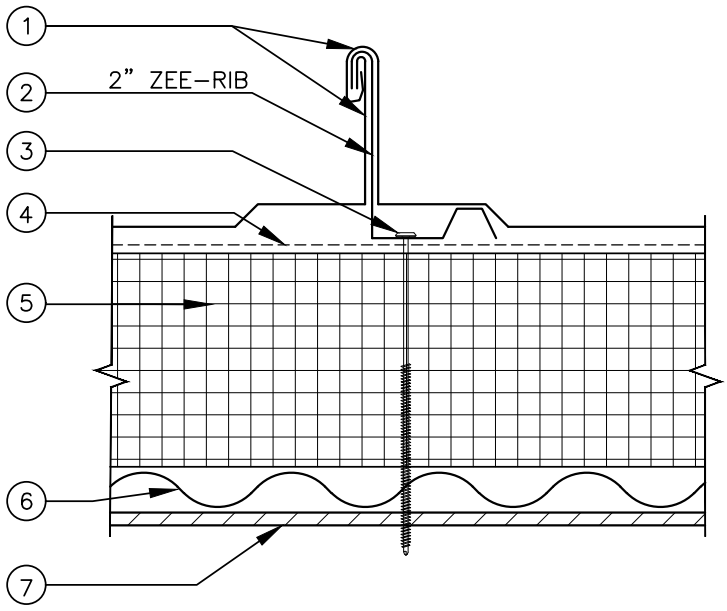
DZ–93



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 $\frac{3}{4}$" FASTENER SPACED $5\frac{1}{2}$" 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

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

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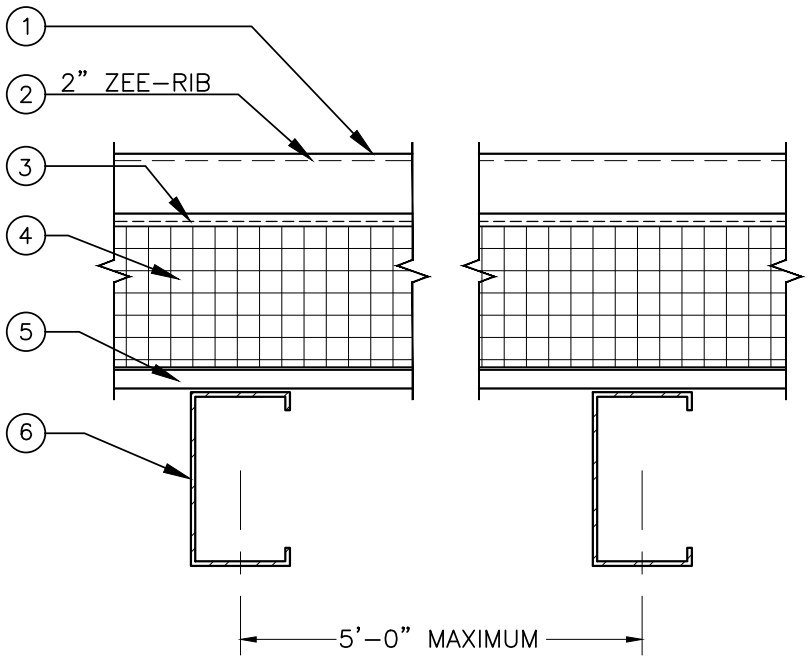

1. BERRIDGE ZEE–LOCK PANEL * – NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

   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

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

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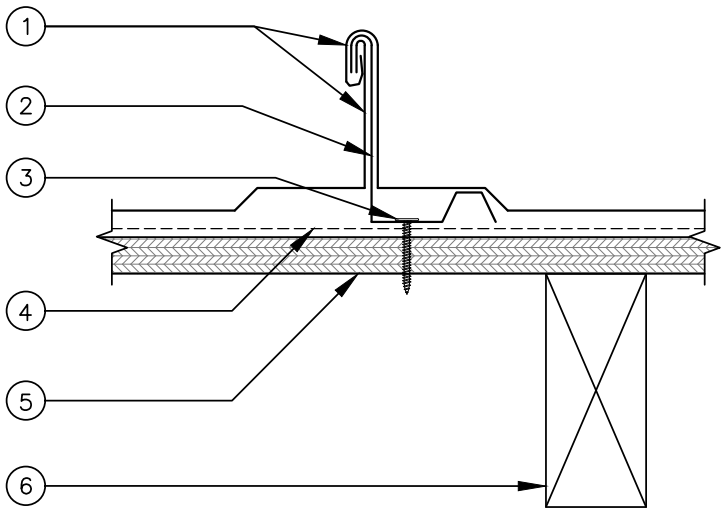

1. BERRIDGE ZEE–LOCK PANEL * – NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

   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 $1\frac{1}{2}$" 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.

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

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

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

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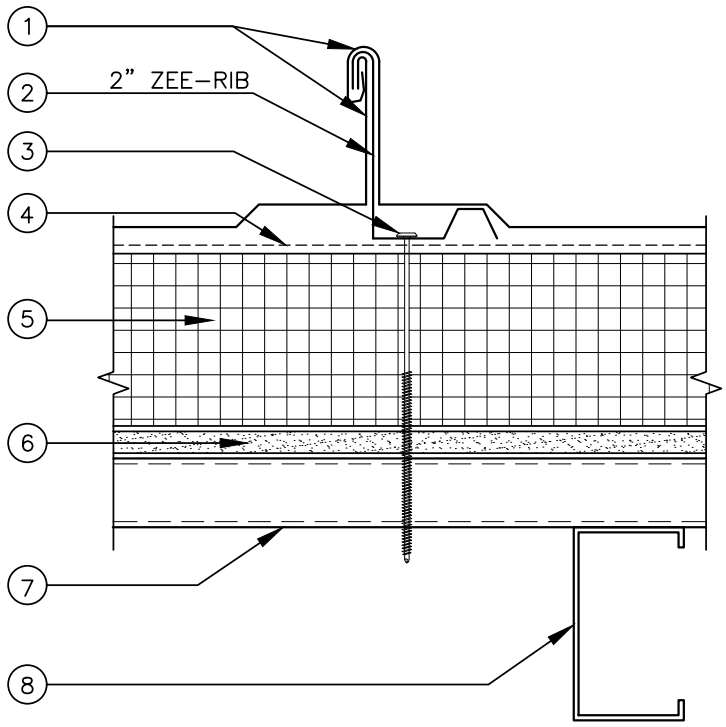

1. BERRIDGE ZEE–LOCK PANEL * – NO. 24 MSG MINIMUM THICKNESS COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS USING AN ELECTRIC SEAMING TOOL.

   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 PURLINS (ITEM 7). USE NO. 12 SELF–DRILLING, SELF–TAPPING STEEL SCREWS. ONE FASTENER AT EACH PURLIN LOCATION.
   B. ALTERNATE IF ATTACHING TO S–DECK (ITEM 6) ONLY USE ONE NO. 12 @ 24" O.C.

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. GYPSUM BOARD – MINIMUM 1/2" DESIGNATED GEORGIA–PACIFIC DENSDECK. OPPOSITE SIDE EDGES HAVE A TONGUE AND GROOVE CONFIGURATION. BUTT END JOINTS TO BE STAGGERED AND OCCUR OVER STEEL DECK CRESTS.

7. SUBSTRUCTURE (LINER) – NO. 22 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".

8. PURLINS – NO. 12 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL. SPACING 1'–6" ON CENTER WITH PURLINS PRE–DRILLED AT METAL DECK AND PURLIN INTERSECTION.

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

UL 90 APPROVED ASSEMBLY ZEE–LOCK PANEL WITH CONTINUOUS ZEE–RIB THROUGH 4" RIGID INSULATION BOARD AND INTO 22 GA. CORRUGATED S–DECK AND 12 GA. PURLINS AT 1'–6" O.C. MAX. MODIFICATION UL CONSTRUCTION NO. 608

DATE: 9/20

DOUBLE LOCK ZEE–LOCK PANEL

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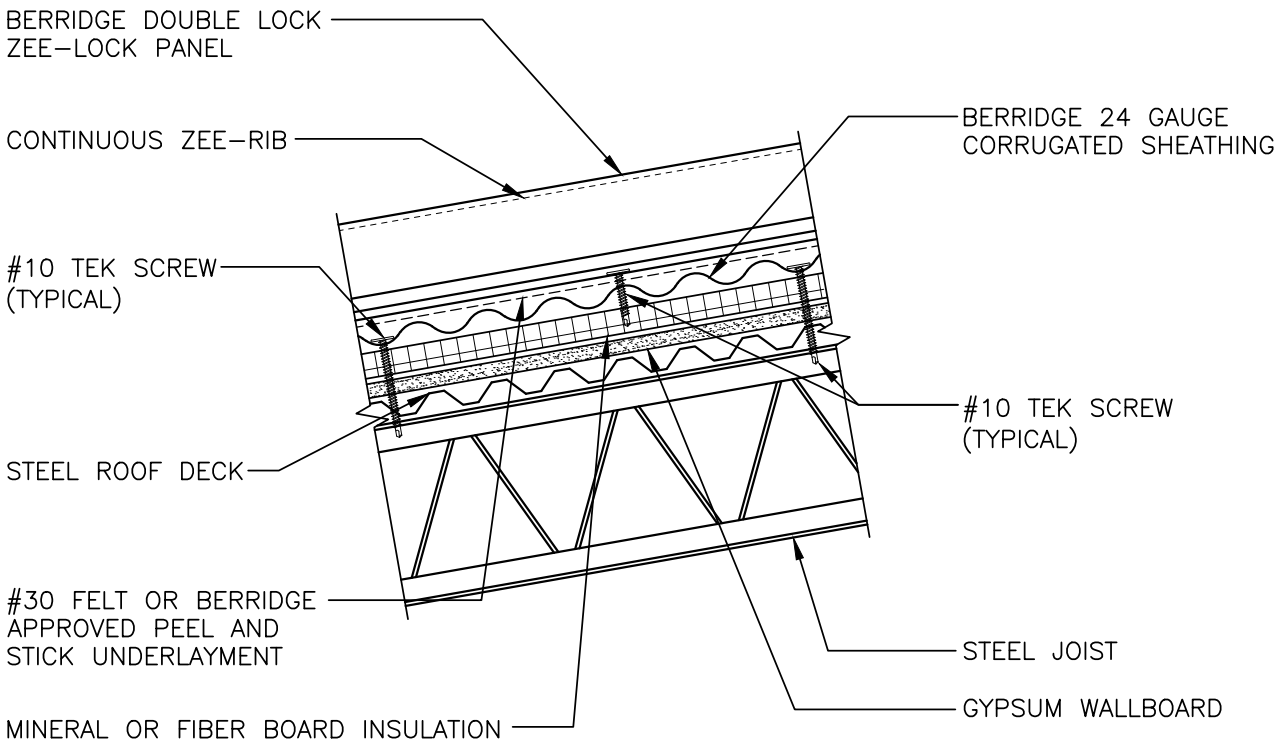

1. IN ORDER TO QUALIFY FOR A FIRE–RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK–PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS 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

DOUBLE LOCK ZEE–LOCK PANEL

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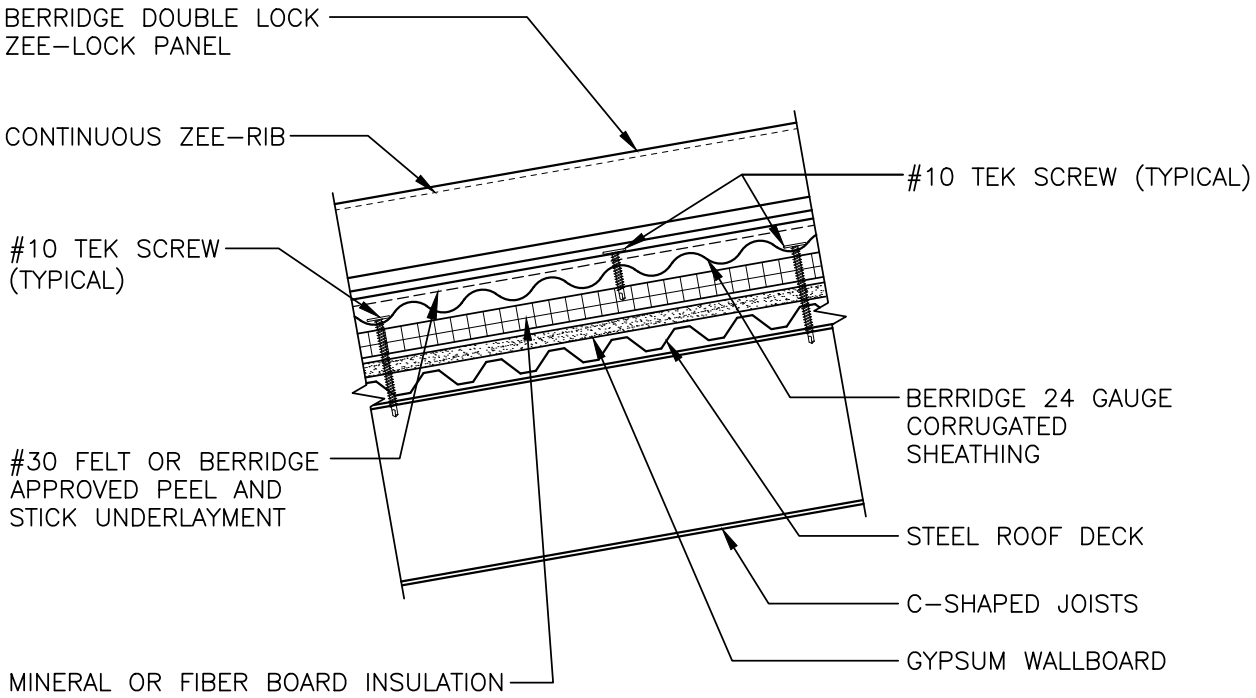

1. IN ORDER TO QUALIFY FOR A FIRE–RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK–PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS 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

DOUBLE LOCK ZEE–LOCK PANEL

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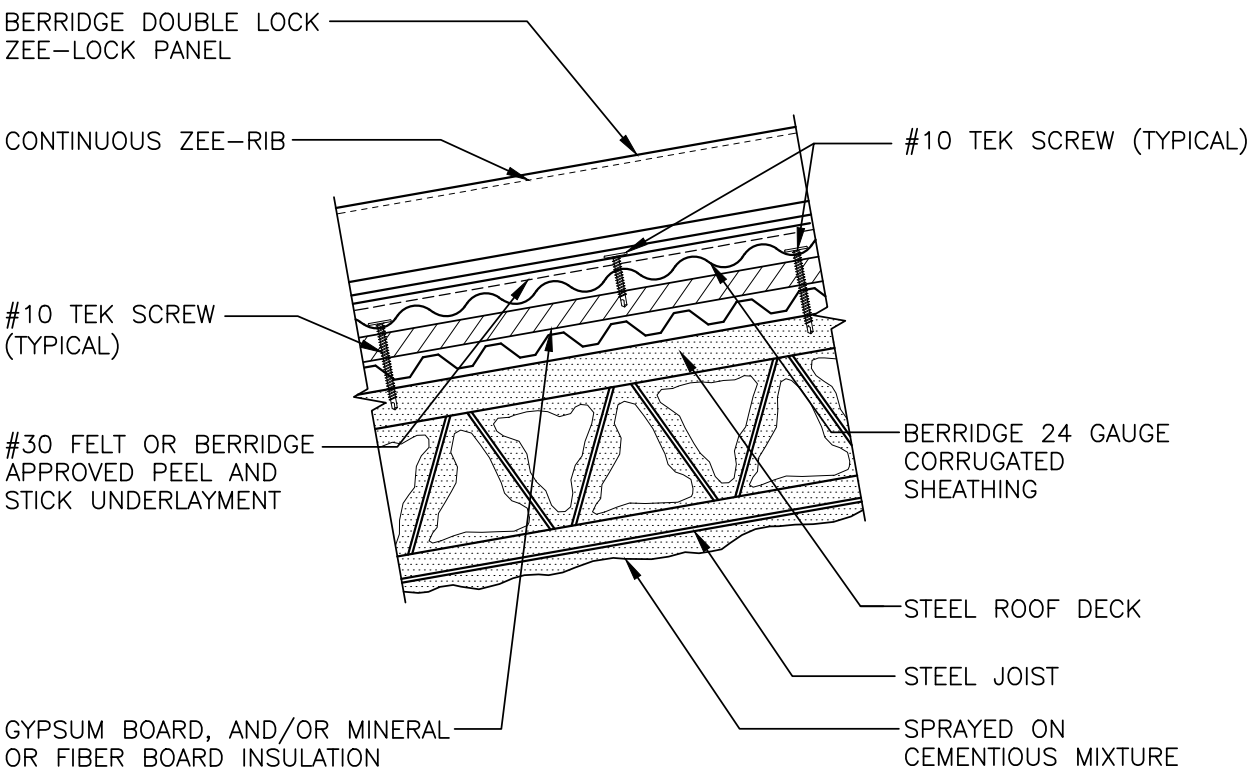

1. IN ORDER TO QUALIFY FOR A FIRE–RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE ZEE LOCK–PANEL, IN ORDER TO MAKE POSITIVE ATTACHMENT, MUST BE ATTACHED TO A CORRUGATED SUBSTRATUM (IF THE INSULATION SYSTEM HAS NO NAILABLE SURFACE). THE CORRUGATED SUBSTRATUM IS 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.