

ZEE-LOCK DOUBLE LOCK INSTALLATION DETAILS



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ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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- 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". AVAILABLE IN .032 AND .040 ALUMINUM.

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.
- 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.

IF UNDERLAYMENT IS 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.

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.



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G. 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.

H. UNDERLAYMENT: A 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 UNDERLAYMENT TO BE MINIMUM 36" OR A FULL ROLL AT VALLEY FLASHING AND ABOVE SQUARE ROOF PENETRATION LOCATIONS, AND MINIMUM 12" AT ALL OTHER FLASHING LOCATIONS. FOR ALL WATERTIGHTNESS WARRANTIES, THE UNDERLAYMENT MUST BE SELECTED FROM THE BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT AND SEALANTS LIST. 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

I. UNDERLAYMENT INSTALLATION:

1. DO NOT USE ROSIN PAPER UNDER METAL ROOFING PANELS.
2. SWEEP ROOF AREA CLEAN.
3. INSTALL VALLEY UNDERLAYMENT FIRST.
4. INSTALL UNDERLAYMENT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. USE BERRIDGE APPROVED PEEL AND STICK ON ENTIRE ROOF SHEATHING, AS SHOWN IN THE DOUBLE LOCK ZEE-LOCK DETAILS. 2 LAYERS REQUIRED AT EAVE REGARDLESS OF SLOPE.
5. REFER TO UNDERLAYMENT DETAILS WHEN VALLEYS OR ROOF PENETRATIONS ARE INVOLVED.
6. INSULATE BETWEEN WOOD BLOCKING AND METAL WITH BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT.
7. BERRIDGE RECOMMENDS STRIP IN LAYERS OF UNDERLAYMENT TO BE 36" MINIMUM OR A FULL ROLL AT VALLEY FLASHING AND SQUARE ROOF PENETRATION LOCATIONS, AND 12" MINIMUM AT ALL OTHER FLASHING LOCATIONS.

J. 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 ALUMINUM LINEAR EXPANSION CHART ON PAGE DZAI-6 (AL) 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 FROM ITS ANCHORAGE.

K. 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.



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L. **SEALANT REQUIREMENTS:** FOR A FULL LIST OF APPROVED SEALANTS VISIT: WWW.BERRIDGE.COM
APPROVED UNDERLAYMENTS AND SEALANTS

M. **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 ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
4. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.
5. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.

NOTE: WHEN USING POP RIVETS ON ALUMINUM FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED. DO NOT RIVET THROUGH END LAPS. USE #12 PANCAKE HEAD STAINLESS STEEL 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.

N. **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.

O. **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 STAINLESS STEEL 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, ET CETERA.) PRIOR TO SEAM INSTALLATION.
6. KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION. WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.



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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.

T. STAINLESS STEEL ZEE–LOCK CLIPS:

1. INSTALL STAINLESS STEEL FLOATING ZEE–LOCK CLIPS AS PER BERRIDGE TYPICAL ALUMINUM 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 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 TO BUCKLE OR BECOME RECESSED BELOW THE ELEVATION OF THE SUBSTRATE.

WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

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



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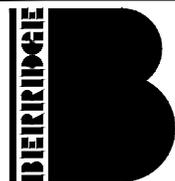
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BERRIDGE MANUFACTURING COMPANY STRIVES TO PROVIDE ITS CUSTOMERS WITH THE HIGHEST QUALITY STRETCHER LEVELED STEEL AVAILABLE. THE LATEST TECHNOLOGY IS ALSO INCORPORATED IN BERRIDGE'S HIGH-PRECISION COIL HANDLING AND ROLL FORMING EQUIPMENT TO MINIMIZE 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.



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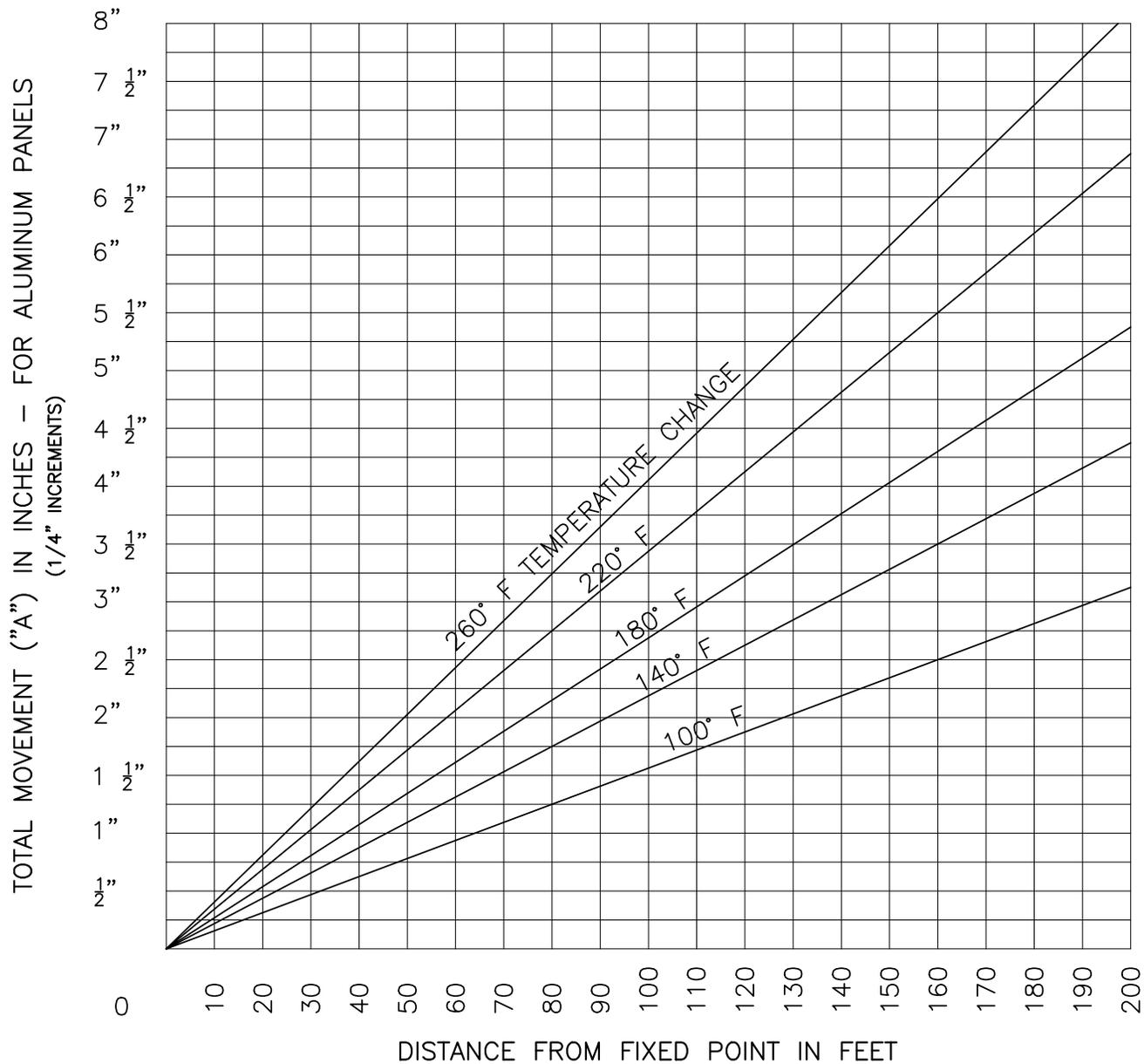
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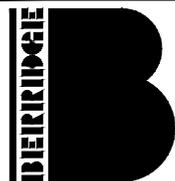
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EXPANSION AND CONTRACTION OF ALUMINUM PANELS DUE TO LONGITUDINAL THERMAL MOVEMENT MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZES THE NEED TO PROVIDE AMPLE CLEARANCES FROM GUTTERS, RIDGES, ENDWALL, ETC.

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



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



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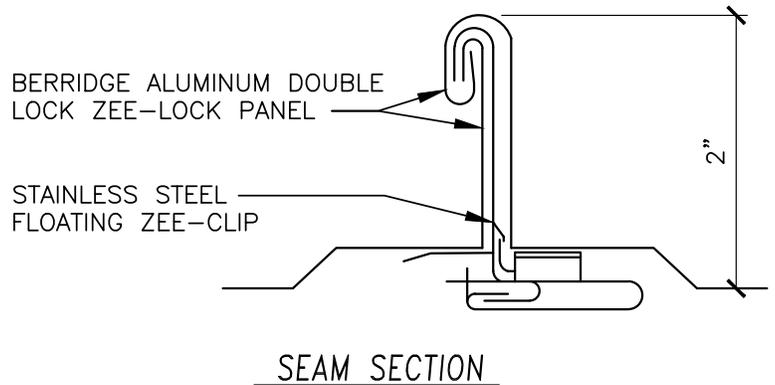
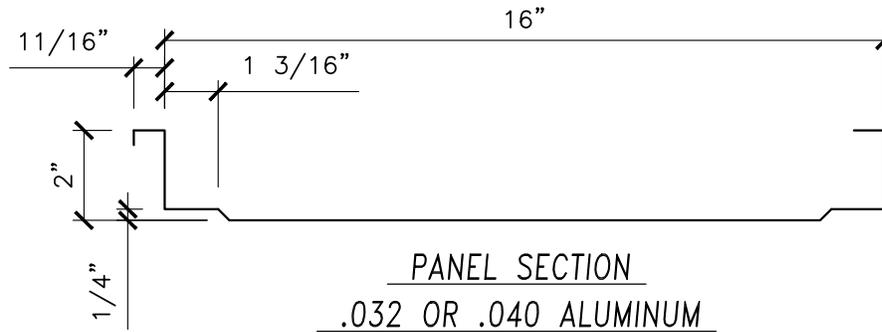
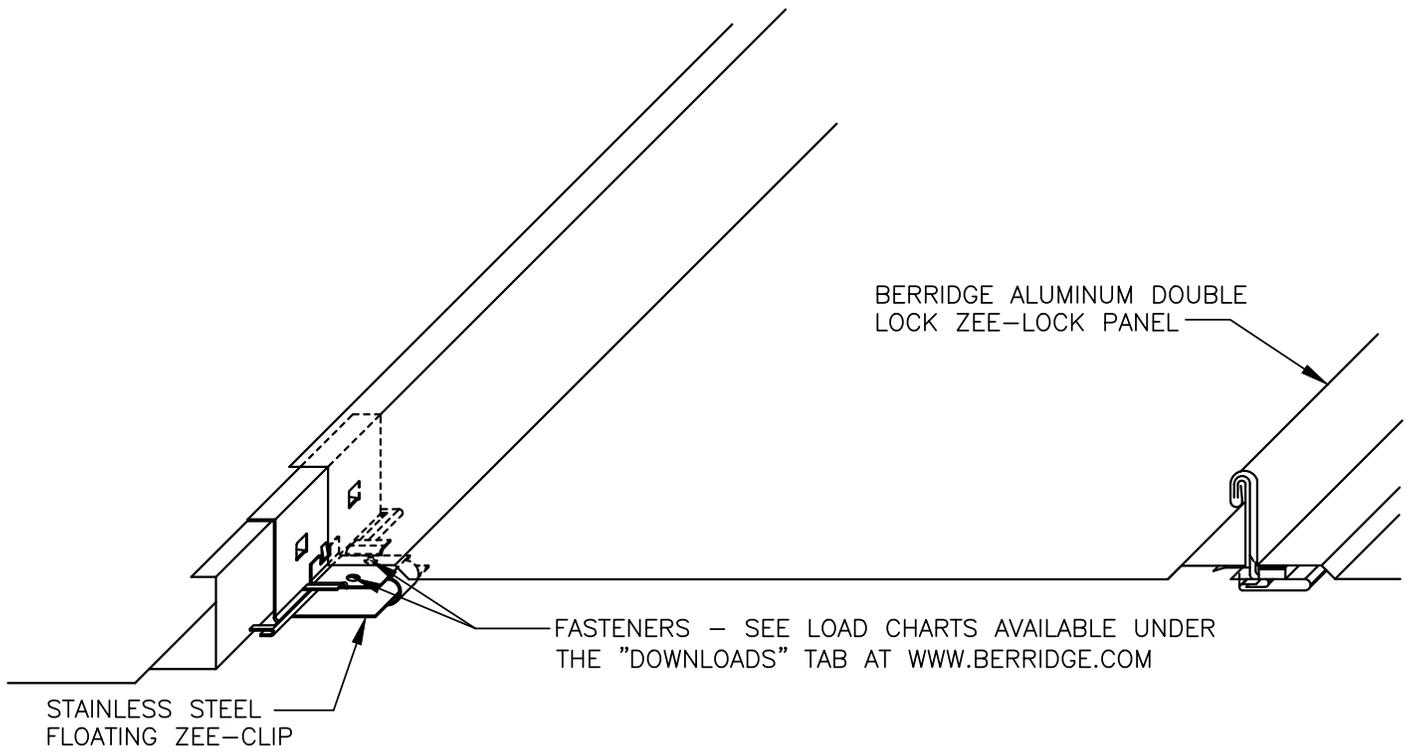
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INTRODUCTION TO
TYPICAL DETAILS

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NOTE: THIS PANEL DOES NOT USE VINYL WEATHERSEAL



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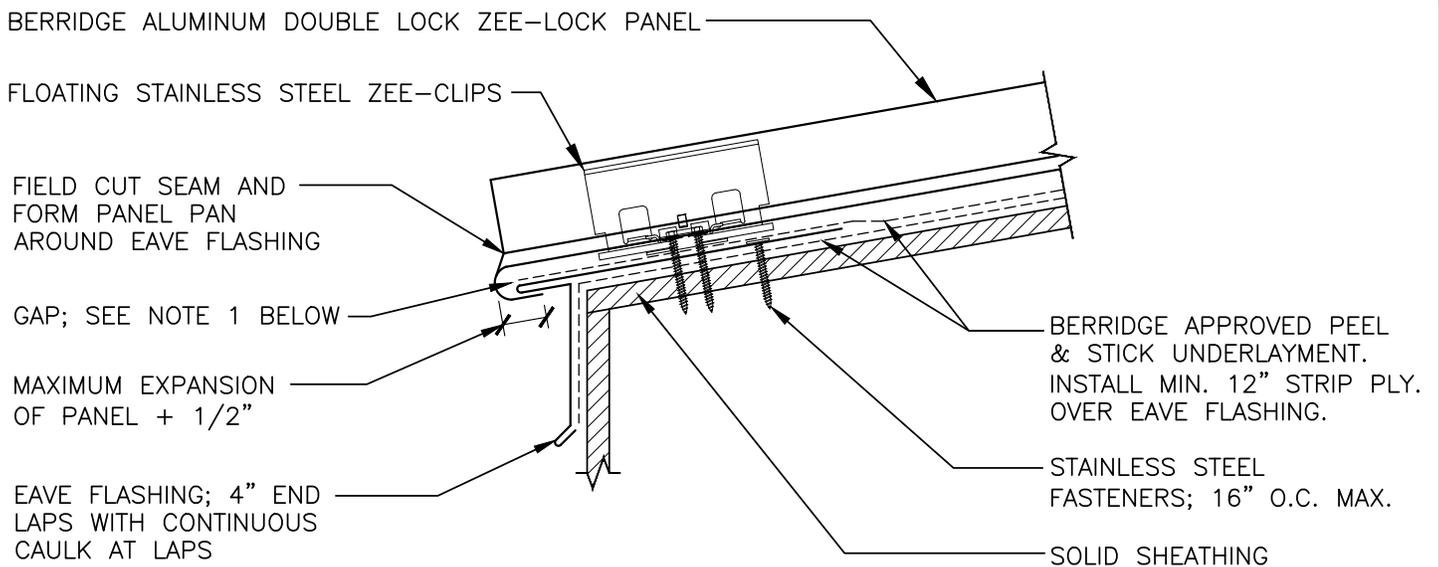
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PANEL OVERVIEW
FLOATING ZEE-LOCK CLIPS

ALUMINUM DOUBLE LOCK ZEE-LOCK
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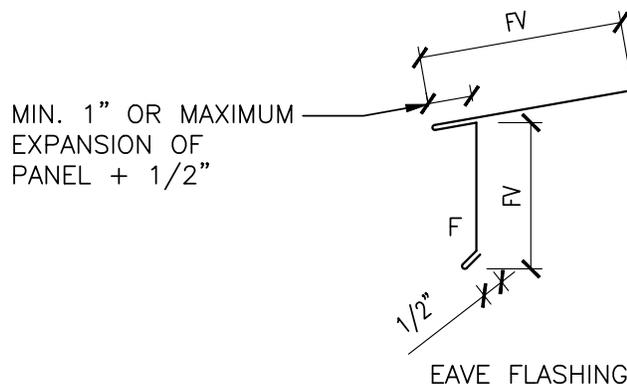


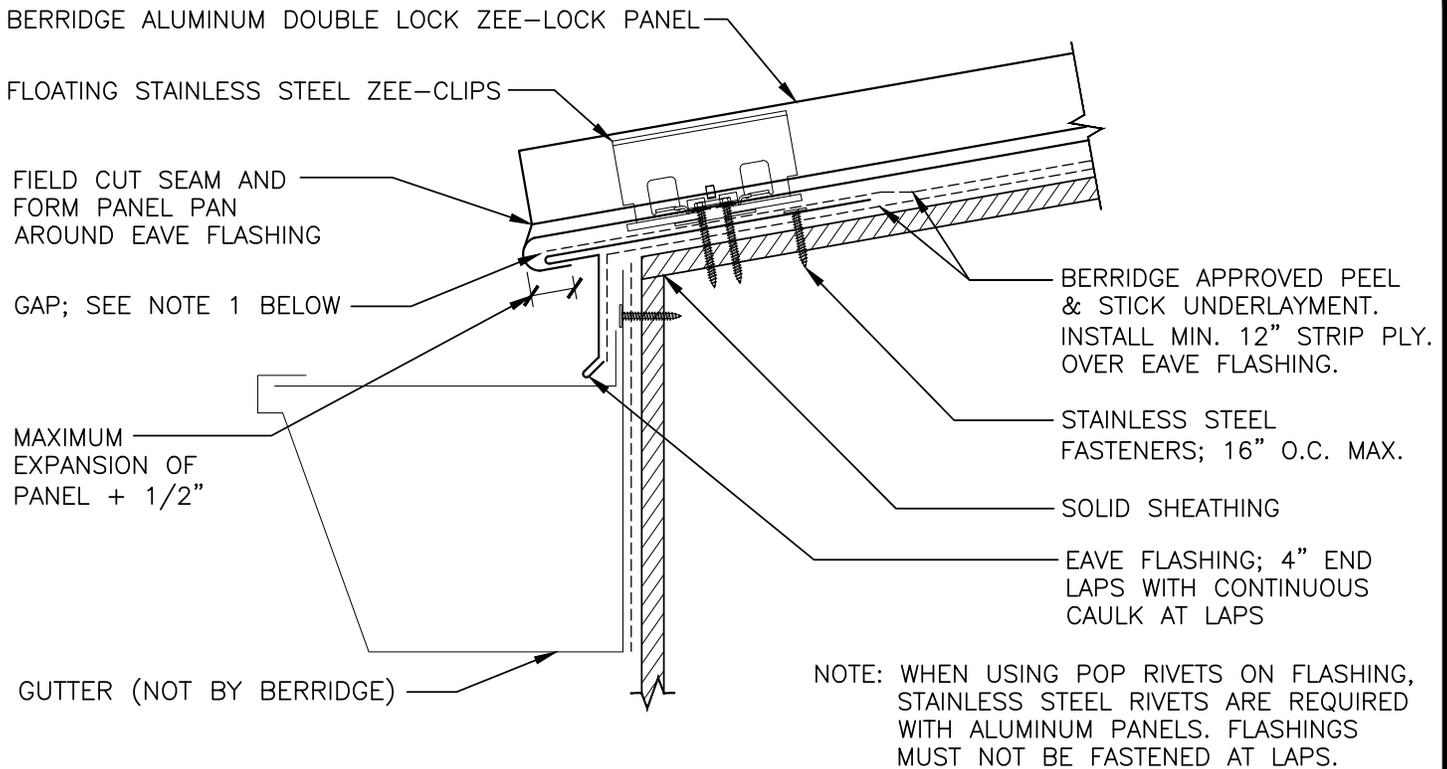
NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

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. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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



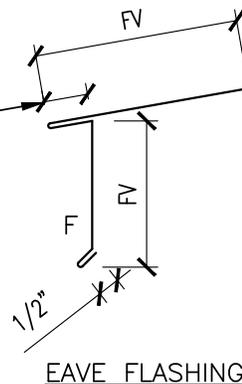


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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
FV = FIELD VERIFY

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



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EAVE DETAIL WITH GUTTER
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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PAGE\FILE
DZA-11G

RIDGE/HIP CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 16" O.C.

FLOATING STAINLESS STEEL ZEE-CLIP

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

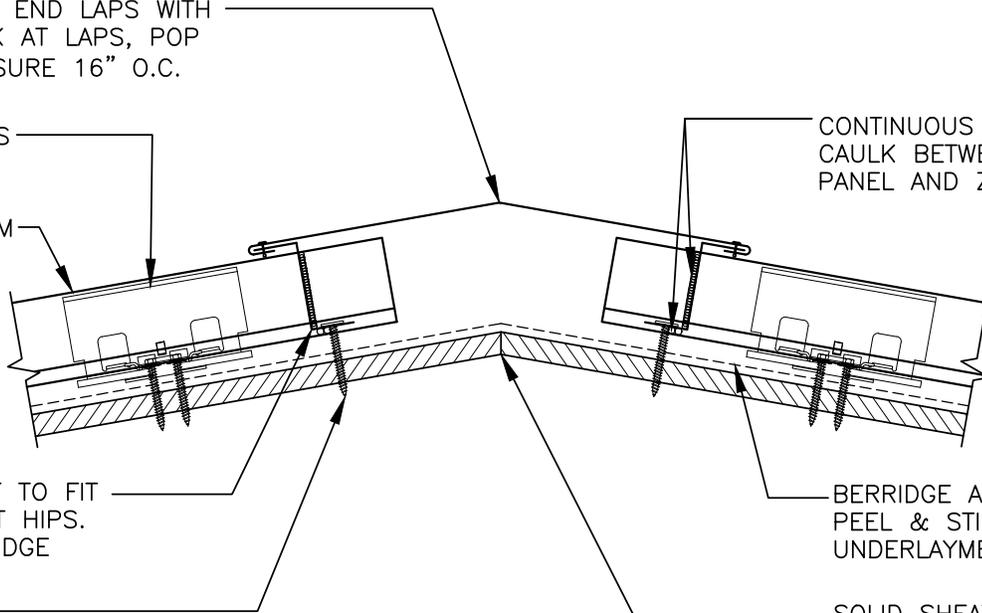
CONTINUOUS BEAD OF CAULK BETWEEN ZEE-LOCK PANEL AND ZEE CLOSURE

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

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

STAINLESS STEEL FASTENERS; 3 PER ZEE CLOSURE MINIMUM

SOLID SHEATHING

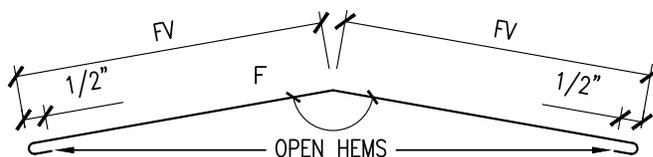


NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

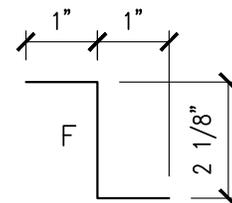
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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



RIDGE/HIP CAP



ZEE CLOSURE



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RIDGE/HIP DETAIL
SOLID SHEATHING

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

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DZA-21

RIDGE CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE AND CLEAT 16" O.C. MAX.

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

FLOATING STAINLESS STEEL ZEE-CLIP

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

SOLID SHEATHING

STAINLESS STEEL FASTENERS; MIN. 3 PER ZEE CLOSURE

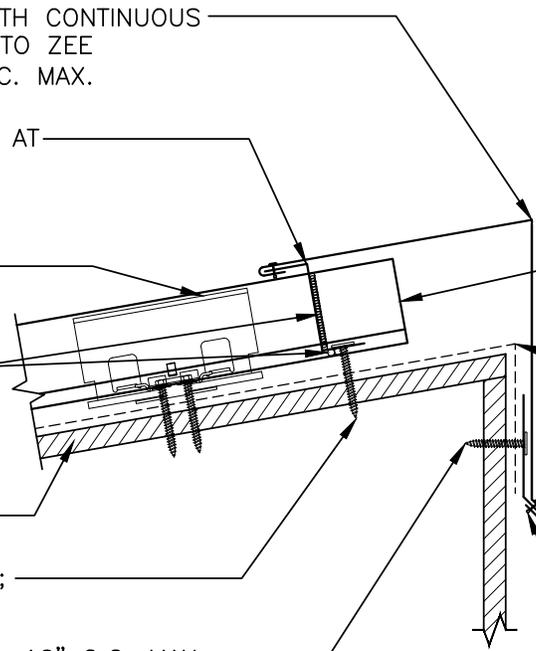
STAINLESS STEEL FASTENERS; 16" O.C. MAX.

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. LAP OVER RIDGE

CONTINUOUS CLEAT

POP RIVETS; 16" O.C. MAX.

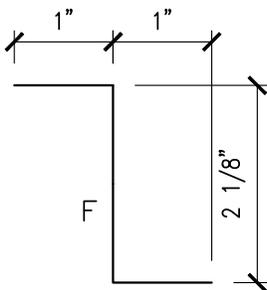


NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

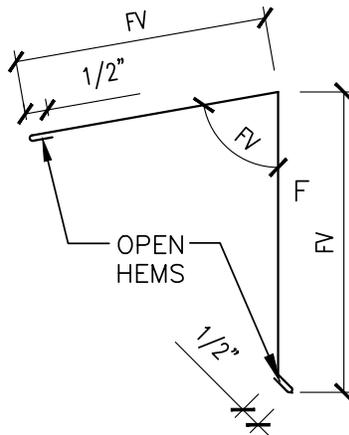
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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

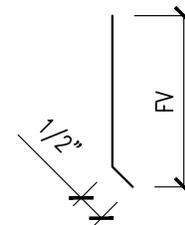
F = FINISH SIDE
FV = FIELD VERIFY



ZEE CLOSURE



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE
MANUFACTURING
COMPANY

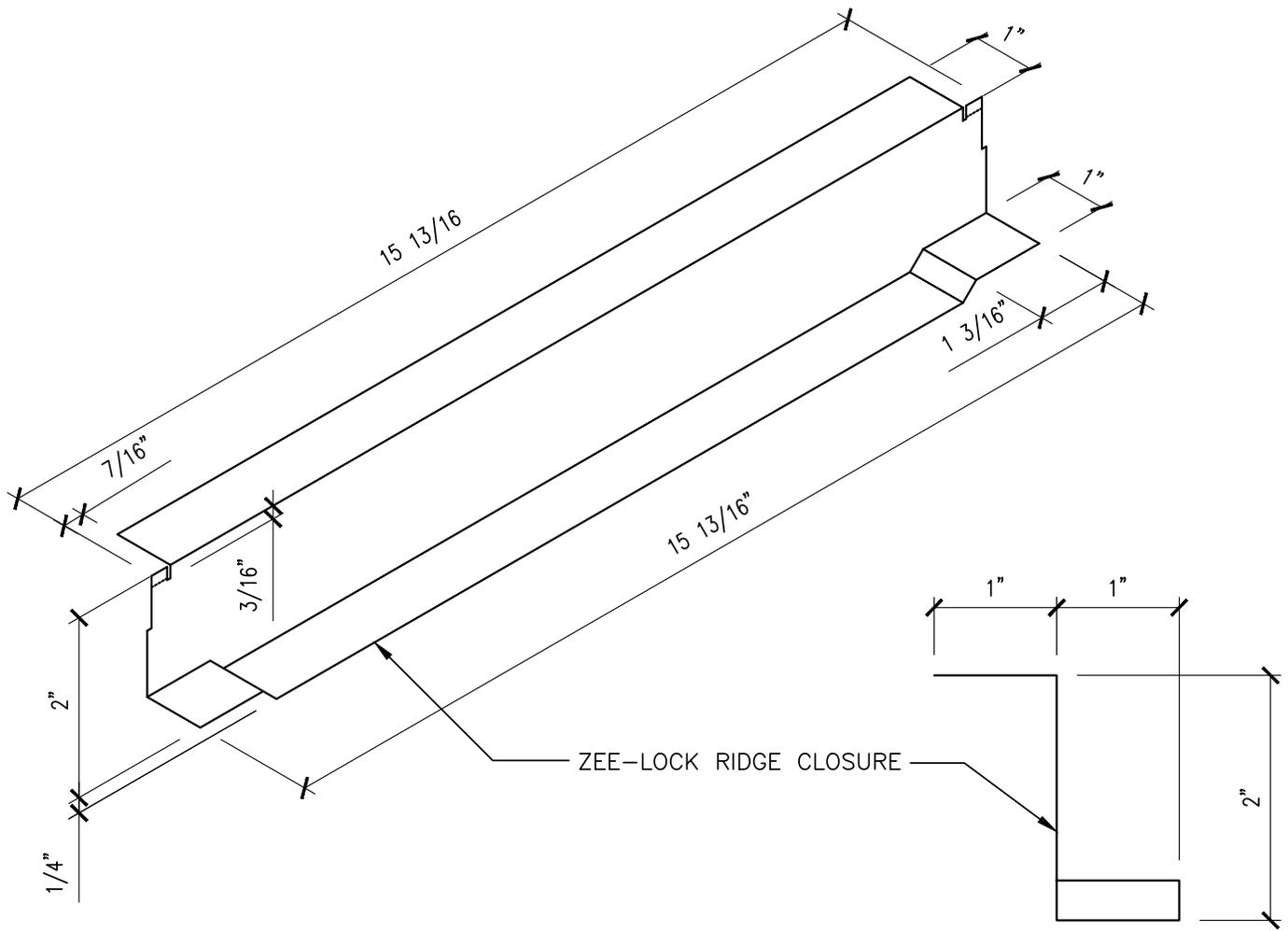
Roofs of Distinction

SHED RIDGE DETAIL
SOLID SHEATHING

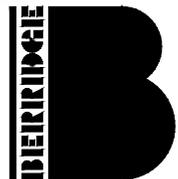
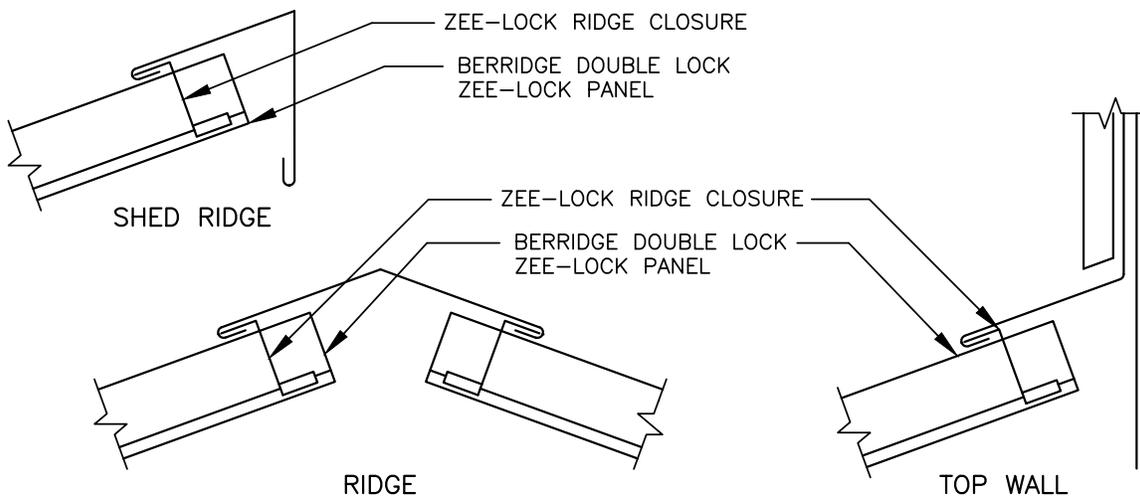
ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

PAGE\FILE
DZA-22



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



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

ZEE-LOCK RIDGE CLOSURE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DZA-23

SECTION VIEW

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FIELD FORM END OF RIDGE FLASHING AND EXTEND UNDER CLEAT

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

FIELD TAPERED ZEE CLOSURE WITH CONTINUOUS CAULK UNDER ZEE CLOSURE

DZA-21

STAINLESS STEEL FASTENERS: 16" ON CENTER MAXIMUM PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

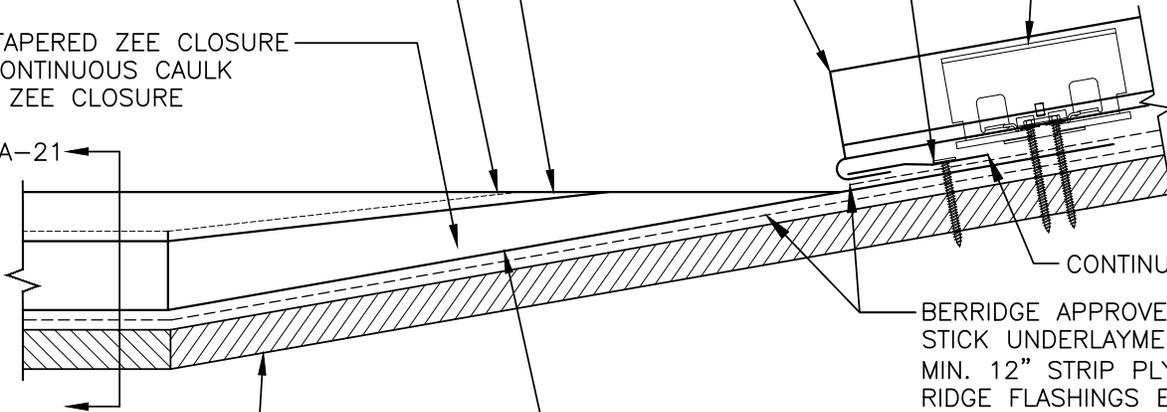
FLOATING STAINLESS STEEL ZEE-CLIP

CONTINUOUS CLEAT

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY. OVER RIDGE FLASHINGS EXTENSION.

VALLEY FLASHING: 12" LAPS WITH CONTINUOUS CAULK AT LAPS

SOLID SHEATHING



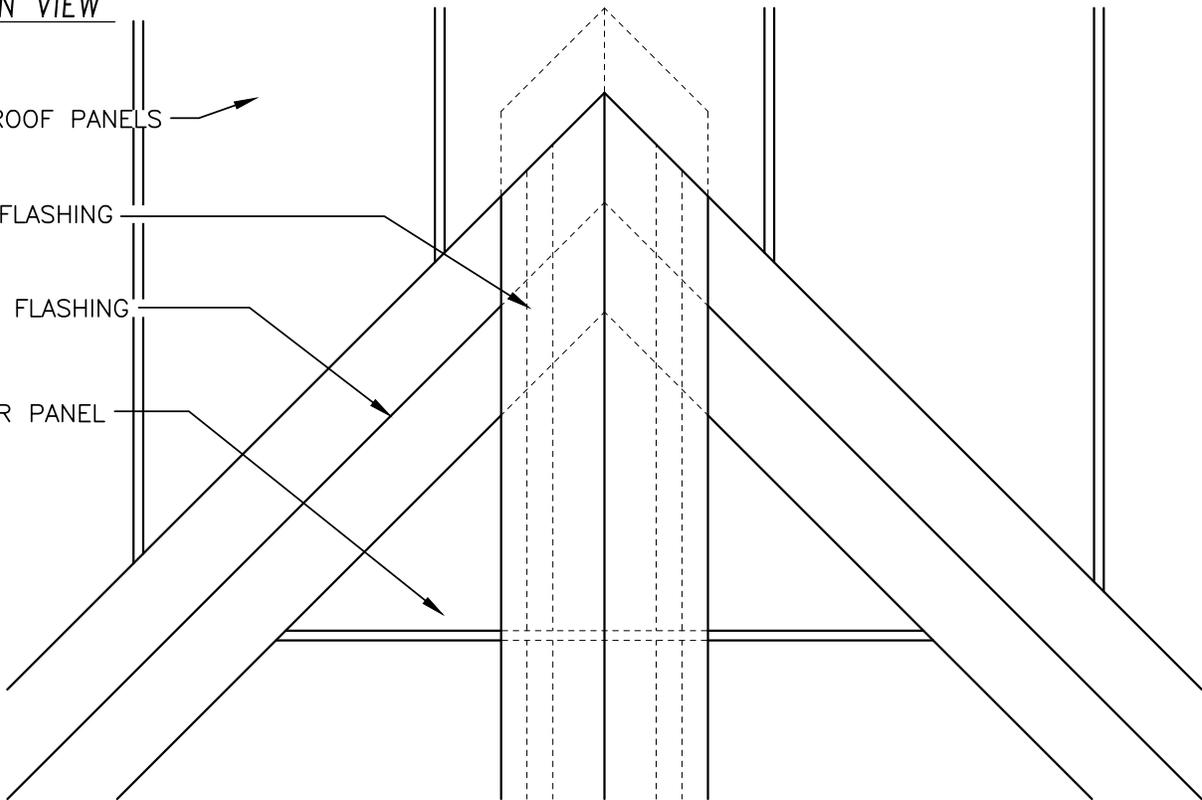
PLAN VIEW

MAIN ROOF PANELS

RIDGE FLASHING

VALLEY FLASHING

DORMER PANEL



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RIDGE TERMINATION
SLOPES LESS THAN 3:12

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DZA-24

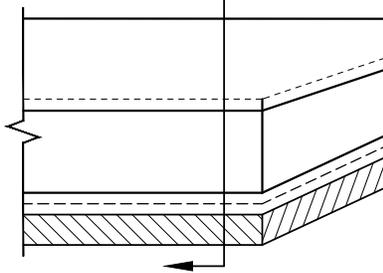
SECTION VIEW

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

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

FIELD TAPERED ZEE CLOSURE WITH CONTINUOUS CAULK UNDER ZEE CLOSURE

DZA-21



VALLEY FLASHING; 12" LAPS WITH CONTINUOUS CAULK AT LAPS

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FLOATING STAINLESS STEEL ZEE-CLIP

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

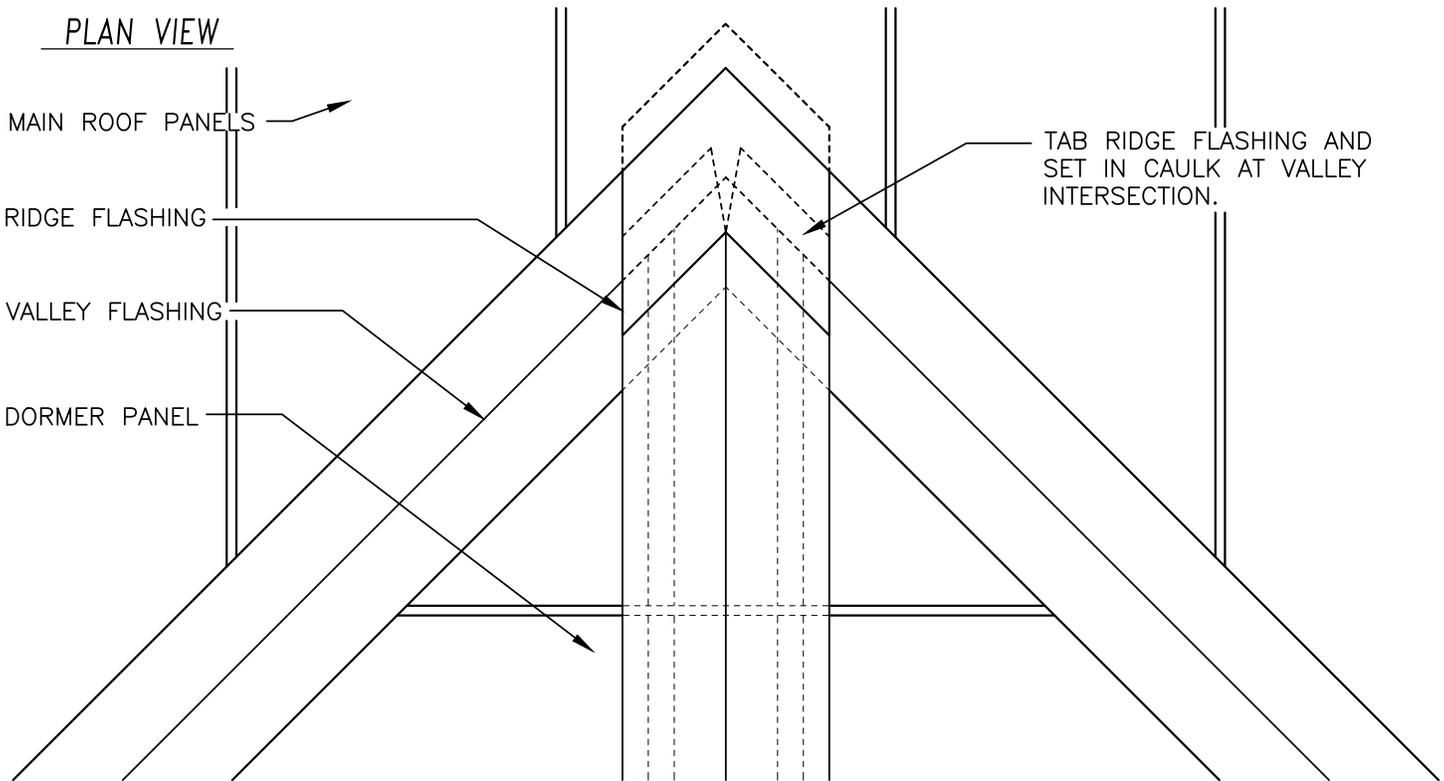
CONTINUOUS CLEAT

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

SOLID SHEATHING

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

PLAN VIEW



MAIN ROOF PANELS

RIDGE FLASHING

VALLEY FLASHING

DORMER PANEL

TAB RIDGE FLASHING AND SET IN CAULK AT VALLEY INTERSECTION.



BERRIDGE
MANUFACTURING
COMPANY

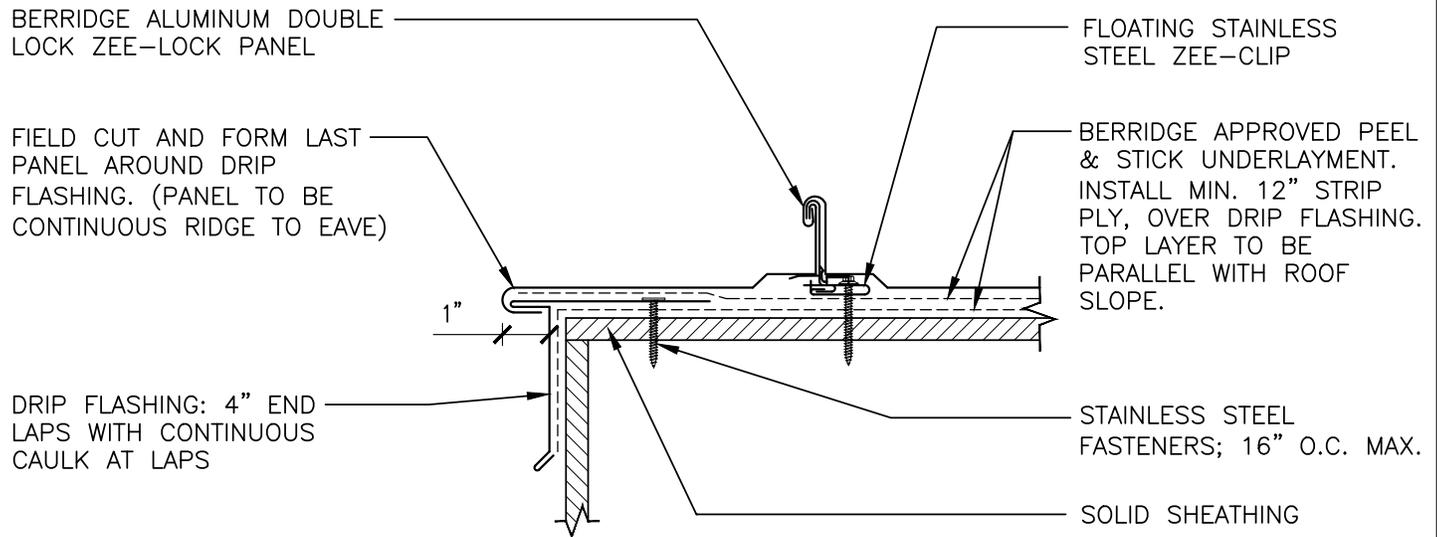
Roofs of Distinction

RIDGE TERMINATION
SLOPES GREATER THAN 3:12

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

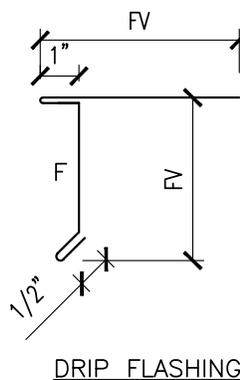
PAGE\FILE
DZA-24A



1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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

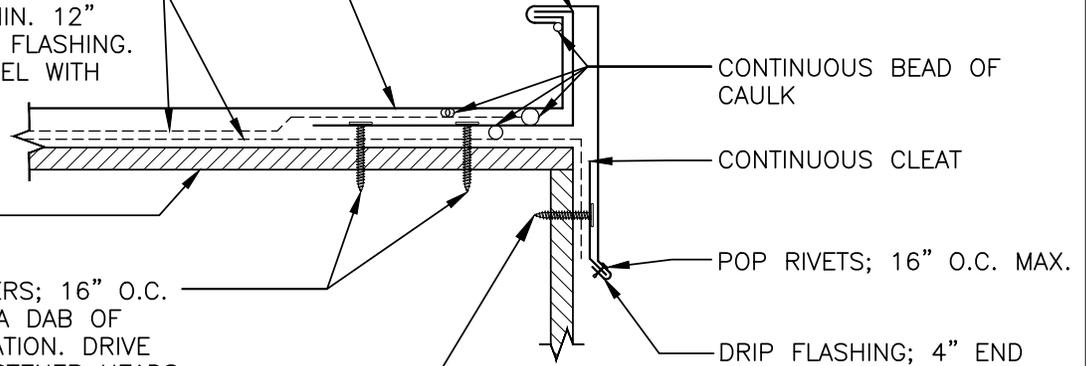
BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL, TURN UP INTO CLOSURE FLASHING, PANEL TO BE CONTINUOUS RIDGE TO EAVE

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

SOLID SHEATHING

STAINLESS STEEL FASTENERS; 16" O.C. MAX. STAGGERED. PLACE A DAB OF CAULK AT FASTENER LOCATION. DRIVE FASTENER AND CAULK FASTENER HEADS

STAINLESS STEEL FASTENERS; 16" O.C. MAX.



CONTINUOUS BEAD OF CAULK

CONTINUOUS CLEAT

POP RIVETS; 16" O.C. MAX.

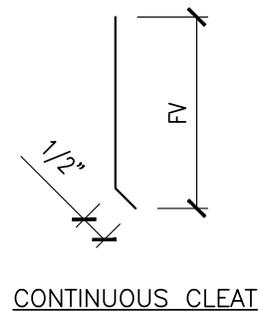
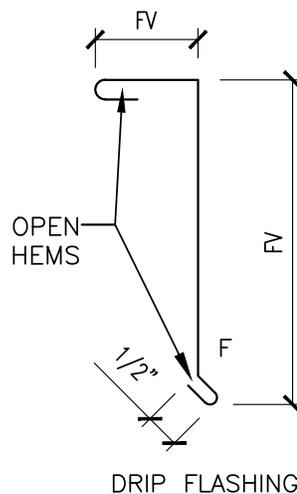
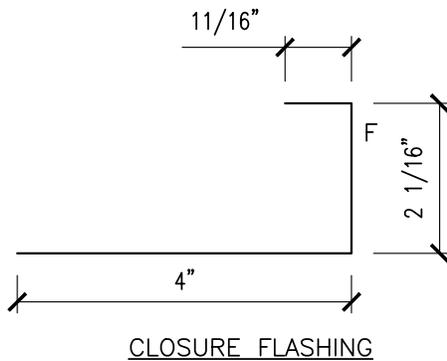
DRIP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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

GABLE DETAIL
CLOSURE FLASHING
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

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DZA-33C

CAP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO CONTINUOUS CLEAT 16" O.C. MAX. CAULK ALL RIVET HEADS.

CONTINUOUS CLEAT

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

FLOATING STAINLESS STEEL ZEE-CLIP

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

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

SOLID SHEATHING

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

12 | 1 MINIMUM SLOPE

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

CONTINUOUS CLEAT

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 16" O.C. MAX.

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

STAINLESS STEEL FASTENERS; MIN. 3 PER ZEE CLOSURE

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

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

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

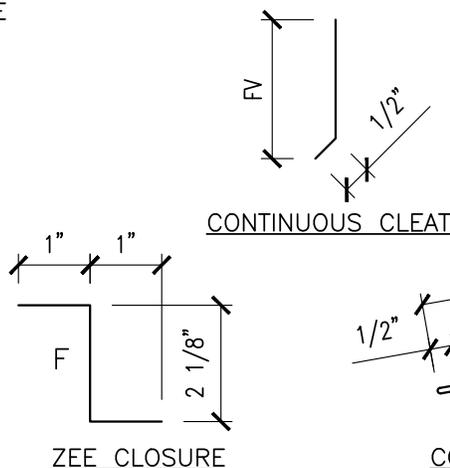
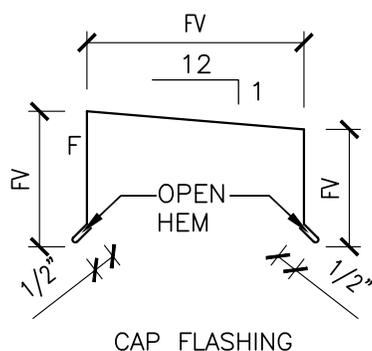
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3. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.

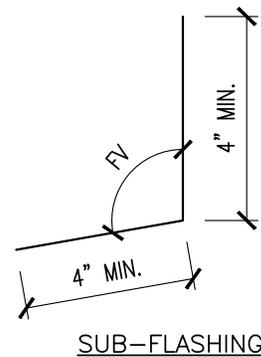
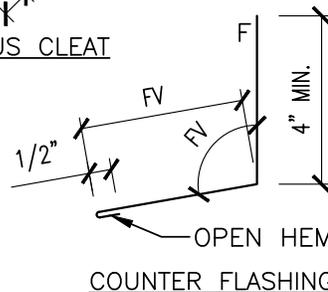
4. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

F = FINISH SIDE
FV = FIELD VERIFY



CONTINUOUS CLEAT



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

PARAPET DETAIL
HEAD WALL
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DZA-40

CAP FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO CONTINUOUS CLEAT 16" O.C. MAX CAULK ALL RIVET HEADS.

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

CONTINUOUS CLEAT

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

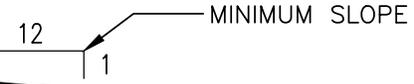
BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

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

FLOATING STAINLESS STEEL ZEE-CLIP

SOLID SHEATHING

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



CONTINUOUS CLEAT

STAINLESS STEEL FASTENERS; 16" O.C. MAX

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

CONTINUOUS BEAD OF CAULK

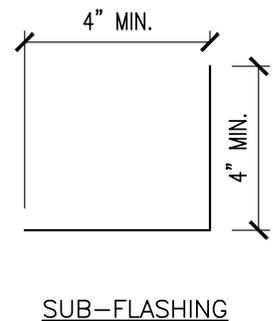
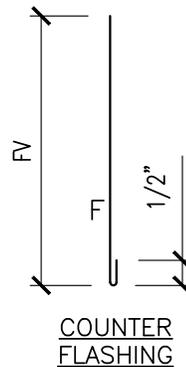
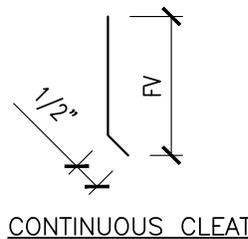
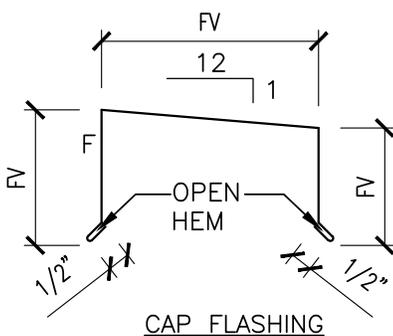
SUB-FLASHING: 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

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. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
FV = FIELD VERIFY



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

PARAPET DETAIL
RAKE WALL
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

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DZA-41

BERRIDGE WALL PANEL OR FASCIA PANEL

RECEIVER & COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET 16" O.C. MAX. CAULK RIVET HEADS

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 16" O.C. MAX.

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

FLOATING STAINLESS STEEL ZEE-CLIP

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

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

SOLID SHEATHING

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

CONTINUOUS BEAD OF CAULK

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

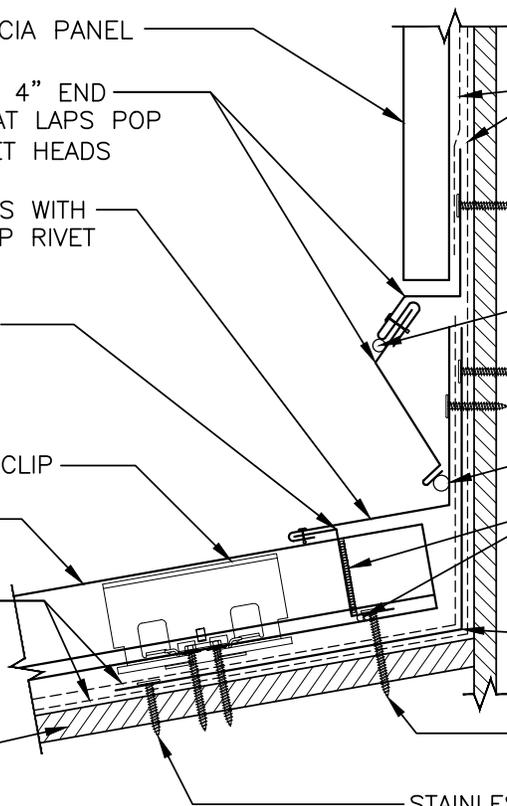
CONTINUOUS BEAD OF CAULK

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

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

MIN. 3 FASTENERS PER ZEE CLOSURE

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

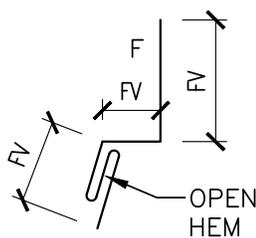


NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

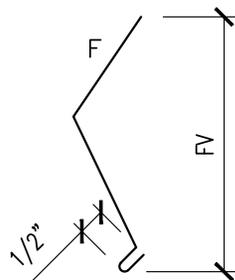
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

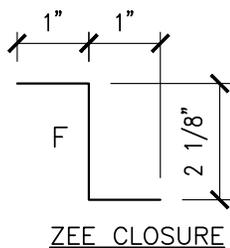
F = FINISH SIDE
FV = FIELD VERIFY



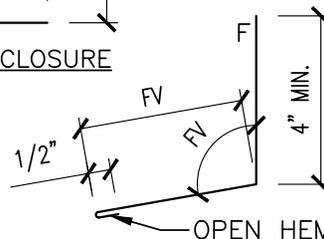
RECEIVER FLASHING



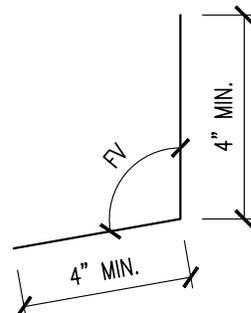
COUNTER FLASHING



ZEE CLOSURE



COUNTER FLASHING



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

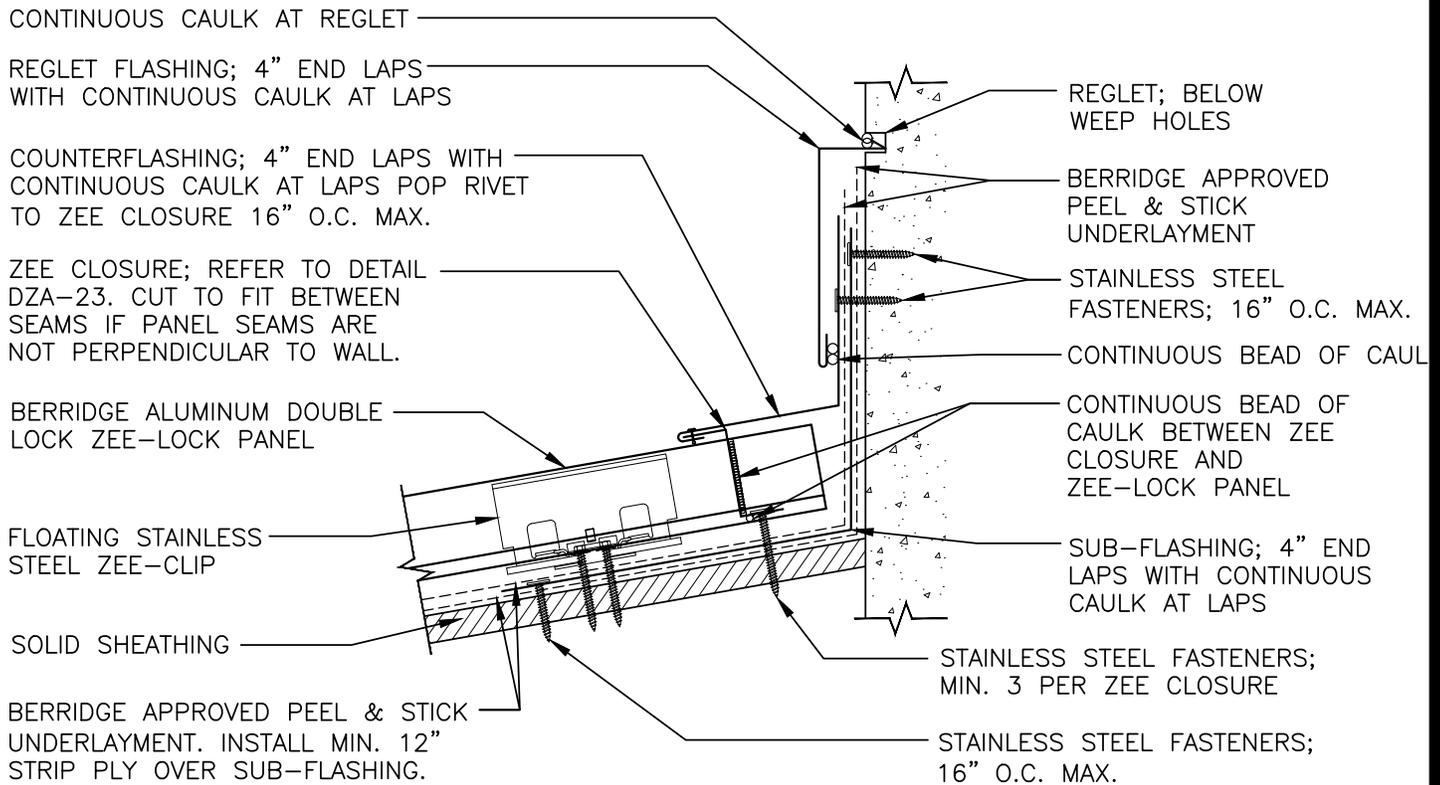
HEAD WALL DETAIL
RECEIVER FLASHING
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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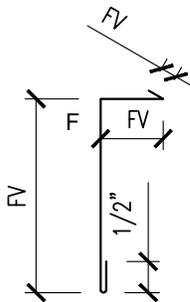


NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

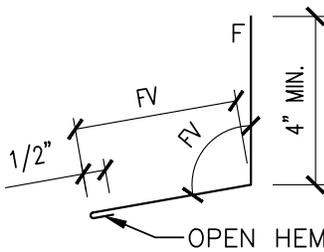
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

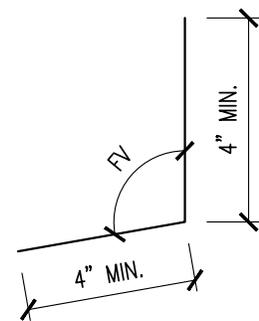
F = FINISH SIDE
FV = FIELD VERIFY



REGLET FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

HEAD WALL DETAIL
REGLET
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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

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

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

COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS POP RIVET TO ZEE CLOSURE 16" O.C.; CAULK RIVET HEADS

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

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FLOATING STAINLESS STEEL ZEE-CLIP

SOLID SHEATHING

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

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

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

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

STAINLESS STEEL FASTENERS; MIN. 3 PER ZEE CLOSURE

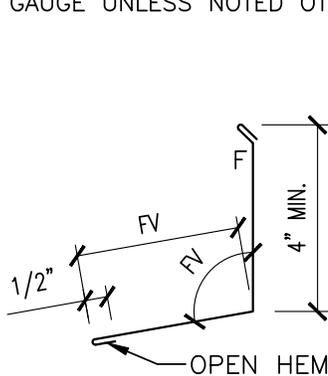
STAINLESS STEEL FASTENERS; 16" O.C. MAX.

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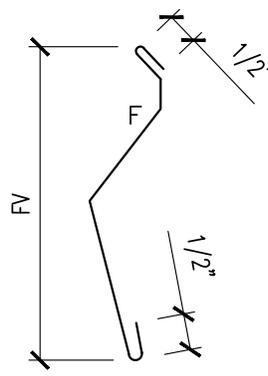
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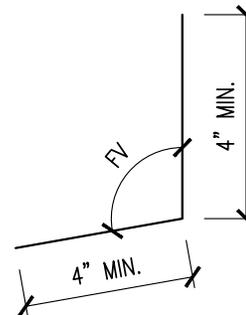
F = FINISH SIDE
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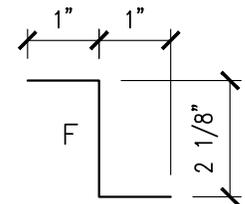
COUNTER FLASHING



SURFACE FLASHING



SUB-FLASHING



ZEE CLOSURE



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

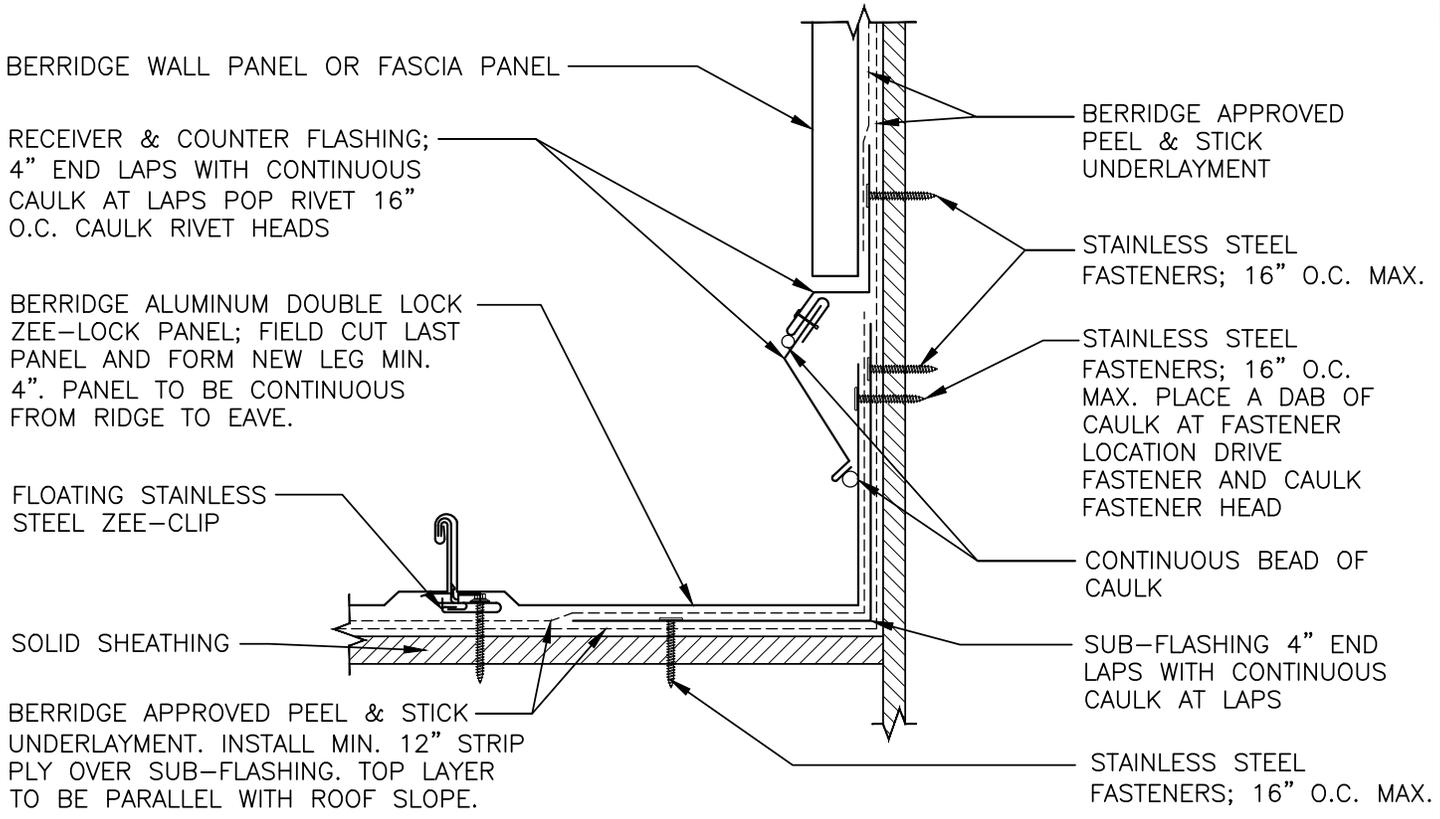
HEAD WALL DETAIL
SURFACE MOUNT
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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BERRIDGE WALL PANEL OR FASCIA PANEL

RECEIVER & COUNTER FLASHING;
4" END LAPS WITH CONTINUOUS
CAULK AT LAPS POP RIVET 16"
O.C. CAULK RIVET HEADS

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

FLOATING STAINLESS
STEEL ZEE-CLIP

SOLID SHEATHING

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

BERRIDGE APPROVED
PEEL & STICK
UNDERLAYMENT

STAINLESS STEEL
FASTENERS; 16" O.C. MAX.

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

CONTINUOUS BEAD OF
CAULK

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

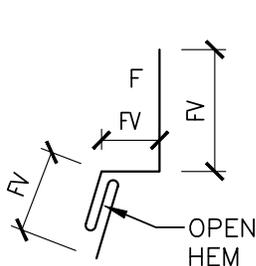
STAINLESS STEEL
FASTENERS; 16" O.C. MAX.

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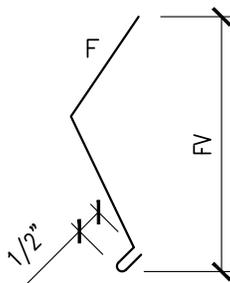
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

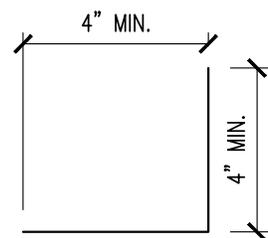
F = FINISH SIDE
FV = FIELD VERIFY



RECEIVER FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

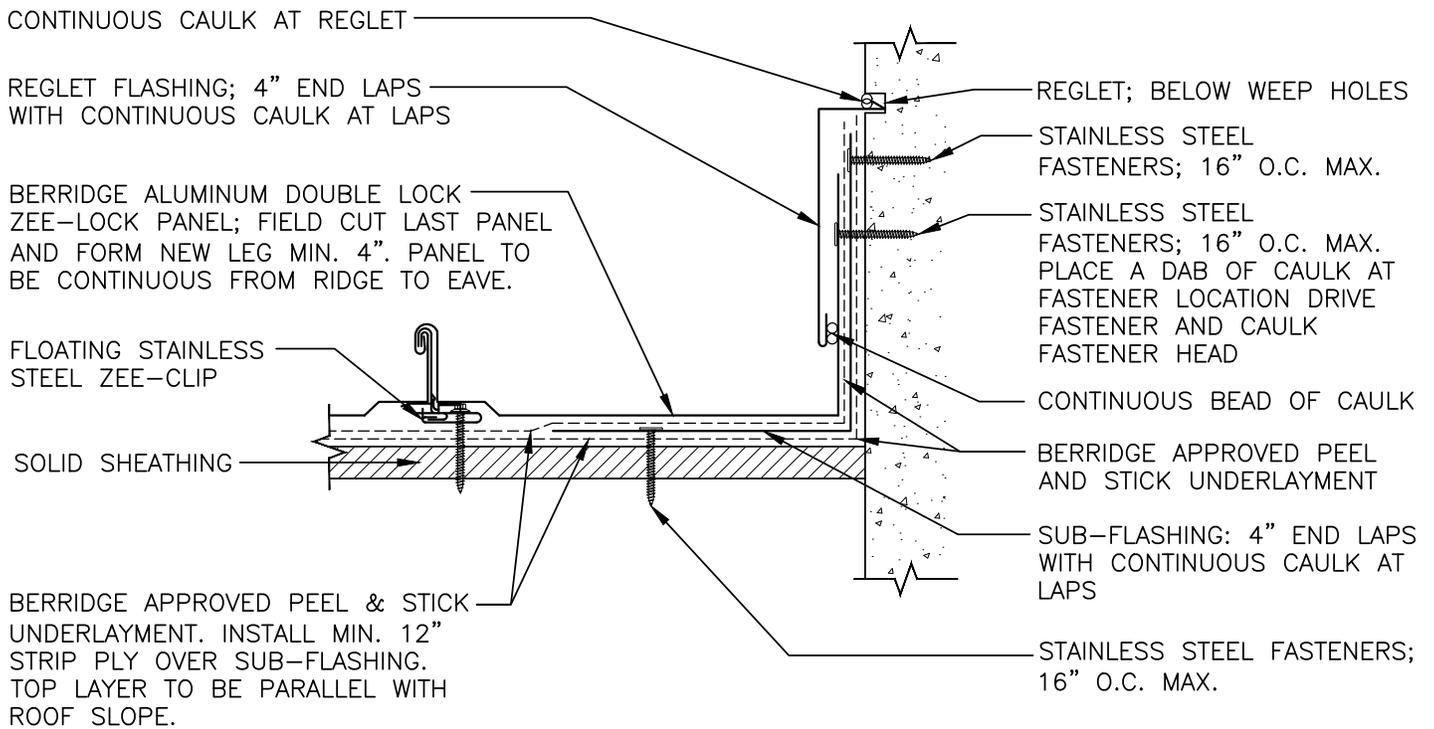
RAKE WALL DETAIL
RECEIVER FLASHING
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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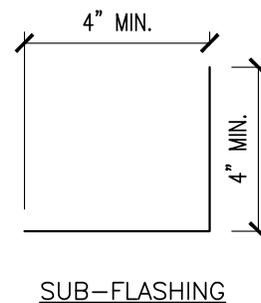
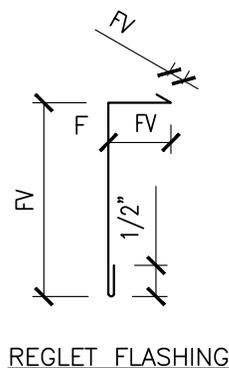
DZA-53PS



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

F = FINISH SIDE
FV = FIELD VERIFY



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RAKE WALL DETAIL
REGLET
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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

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

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

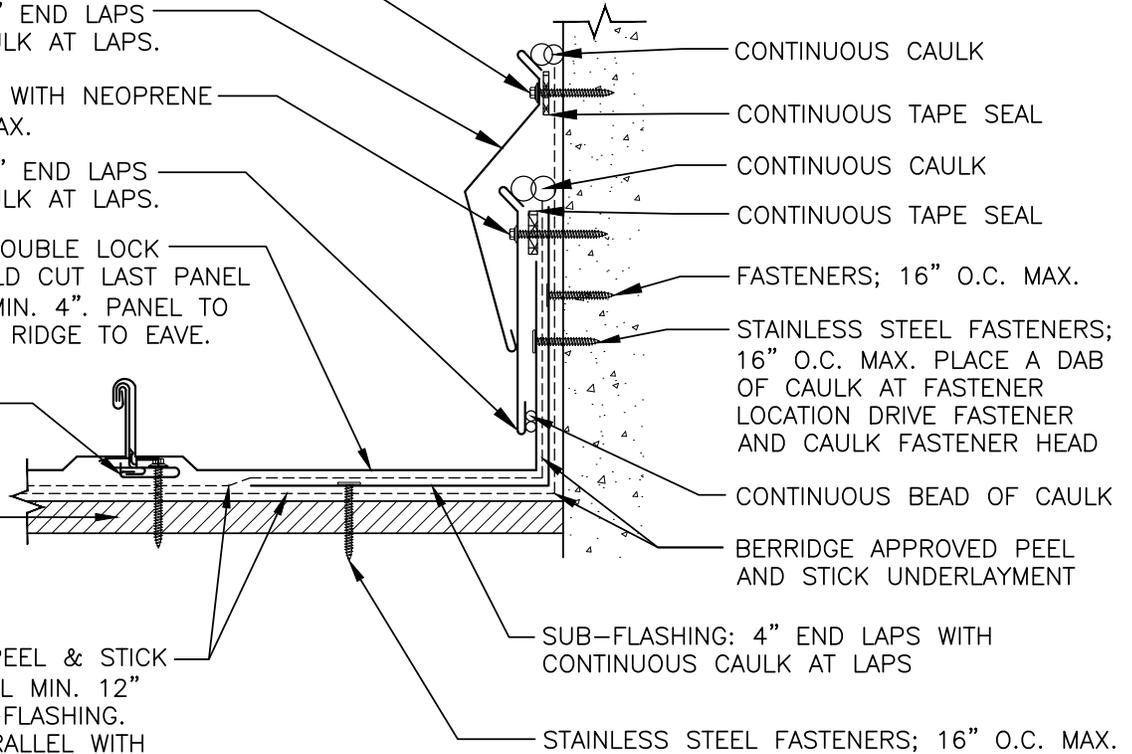
COUNTER FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.

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

FLOATING STAINLESS STEEL ZEE-CLIP

SOLID SHEATHING

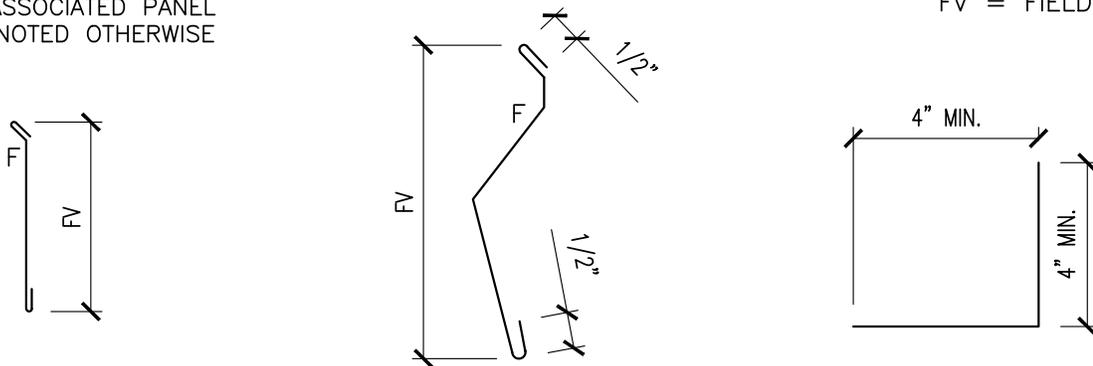
BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER SUB-FLASHING. TOP LAYER TO BE PARALLEL WITH ROOF SLOPE.



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

SURFACE FLASHING

SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RAKE WALL DETAIL
SURFACE MOUNT
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DZA-53SM

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FLOATING STAINLESS STEEL ZEE-CLIP

CONTINUOUS CLEAT

FIELD CUT VERTICAL LEG OF PANEL AND FORM HEM, HOOK ON TO CLEAT

1 ON 12 MINIMUM SLOPE AWAY FORM CLEAT

TRANSITION FLASHING: 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 16" O.C. MAX. CAULK RIVET HEADS

ZEE CLOSURE; REFER TO DETAIL DZA-23

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FLOATING STAINLESS STEEL ZEE-CLIP

SOLID SHEATHING
STAINLESS STEEL FASTENERS; 16" O.C. MAX.

NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

STAINLESS STEEL FASTENERS; 16" O.C. MAX.

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL 36" OR FULL ROLL STRIP PLY OVER TRANSITION FLASHING.

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

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ROOF PANEL

STAINLESS STEEL FASTENERS: MINIMUM 3 PER ZEE CLOSURE

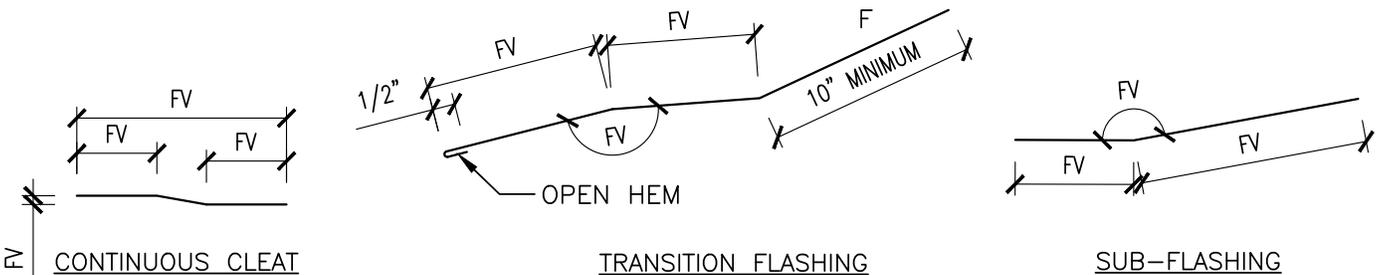
NOTE: PLACE A DAB OF CAULK AT CLEAT FASTENER LOCATION, DRIVE FASTENER THROUGH CAULK, AND CAULK FASTENER HEADS.

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. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
FV = FIELD VERIFY



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

SLOPE TRANSITION DETAIL SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

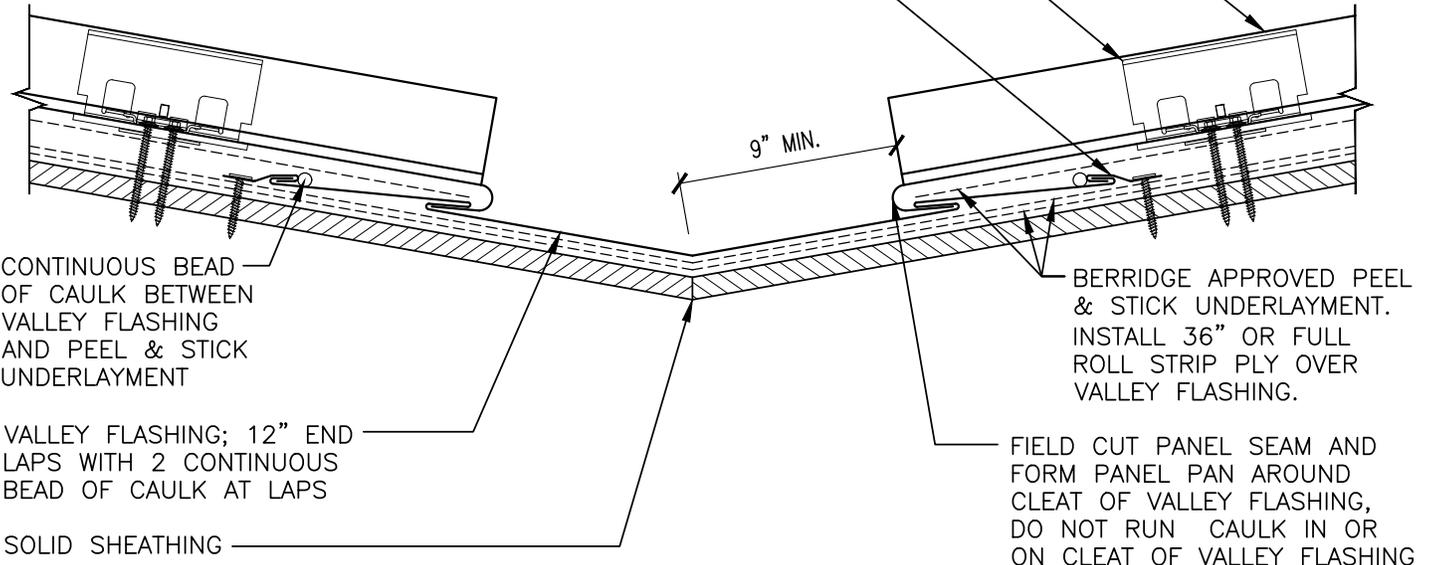
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DZA-61

BERRIDGE ALUMINUM DOUBLE LOCK ZEE-LOCK PANEL

FLOATING STAINLESS STEEL ZEE-CLIP
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH STAINLESS
STEEL FASTENERS 16" O.C. MAX.

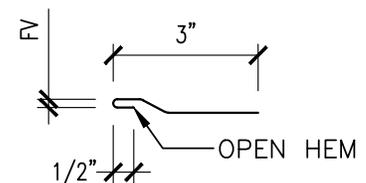
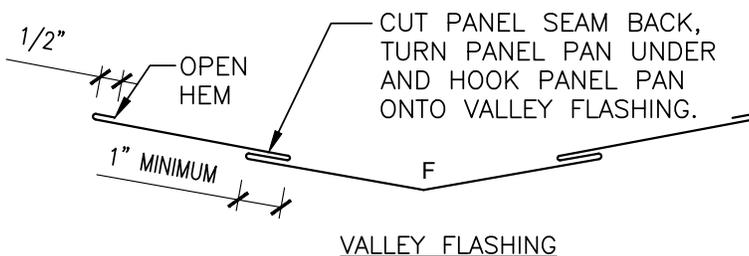


SEE DETAIL DZA-71 FOR VALLEY FLASHING LAPPING

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



BERRIDGE
MANUFACTURING
COMPANY

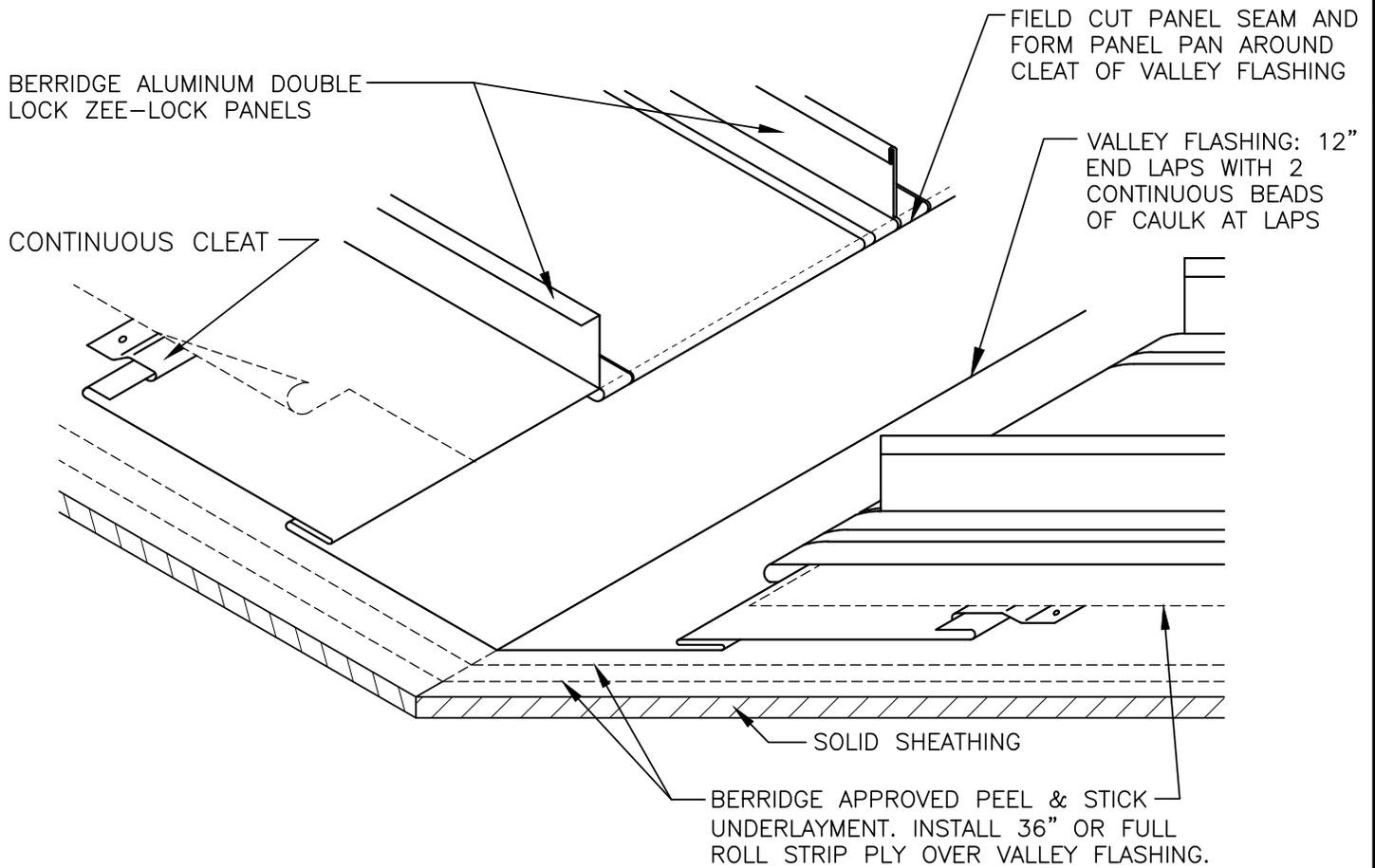
Roofs of Distinction

VALLEY DETAIL SOLID SUBSTRATE

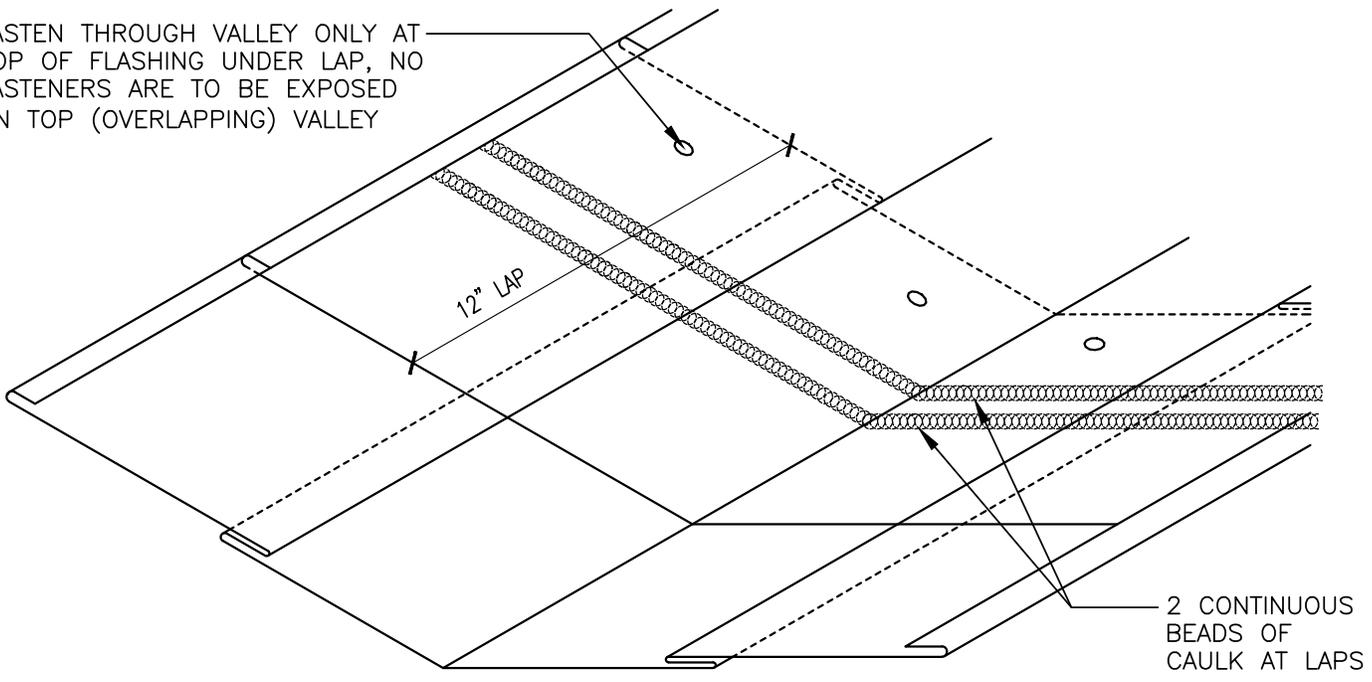
ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

VALLEY DETAIL; ISOMETRIC
OPEN FRAMING &
SOLID SUBSTRATE

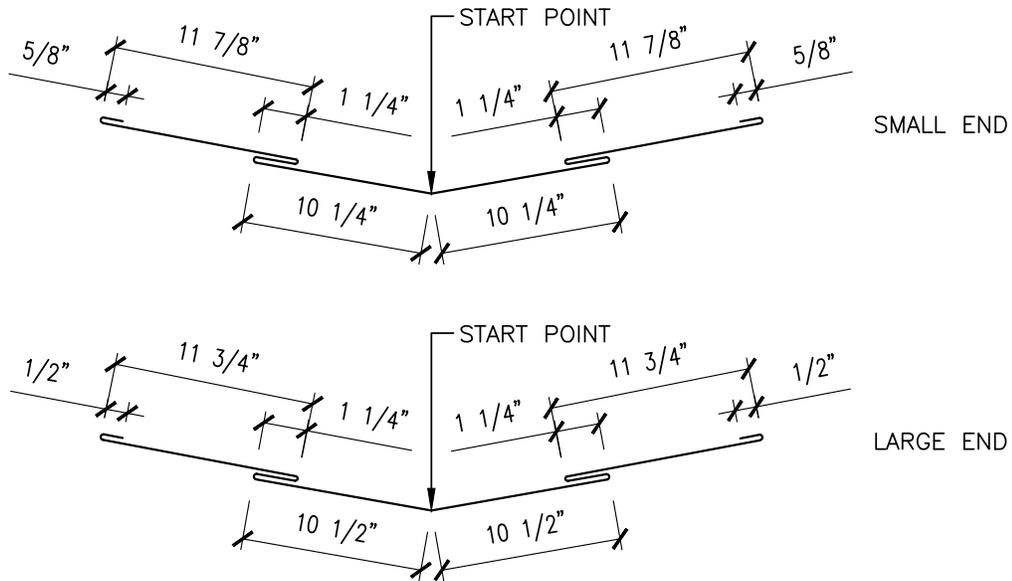
ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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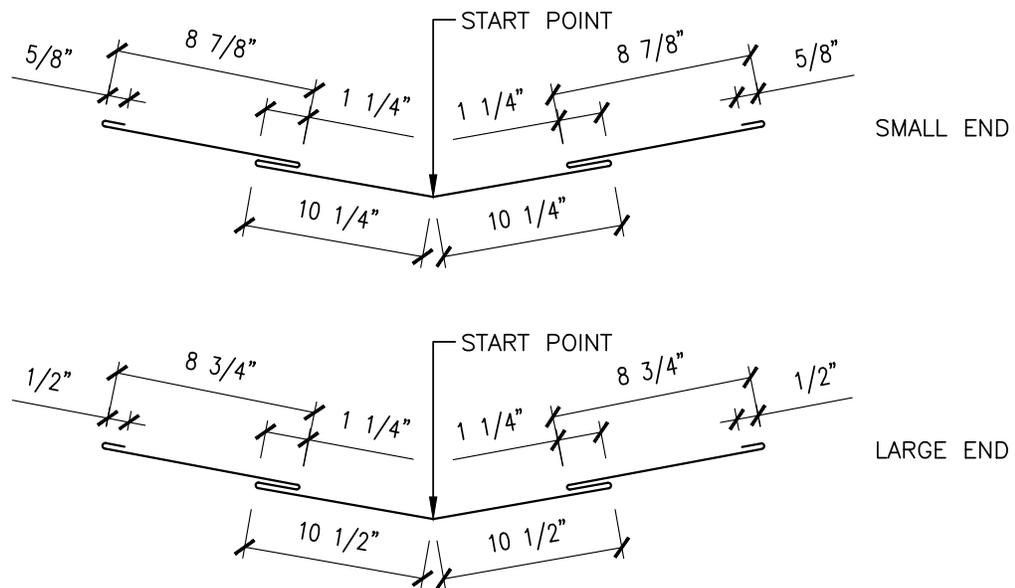
DZA-71

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**

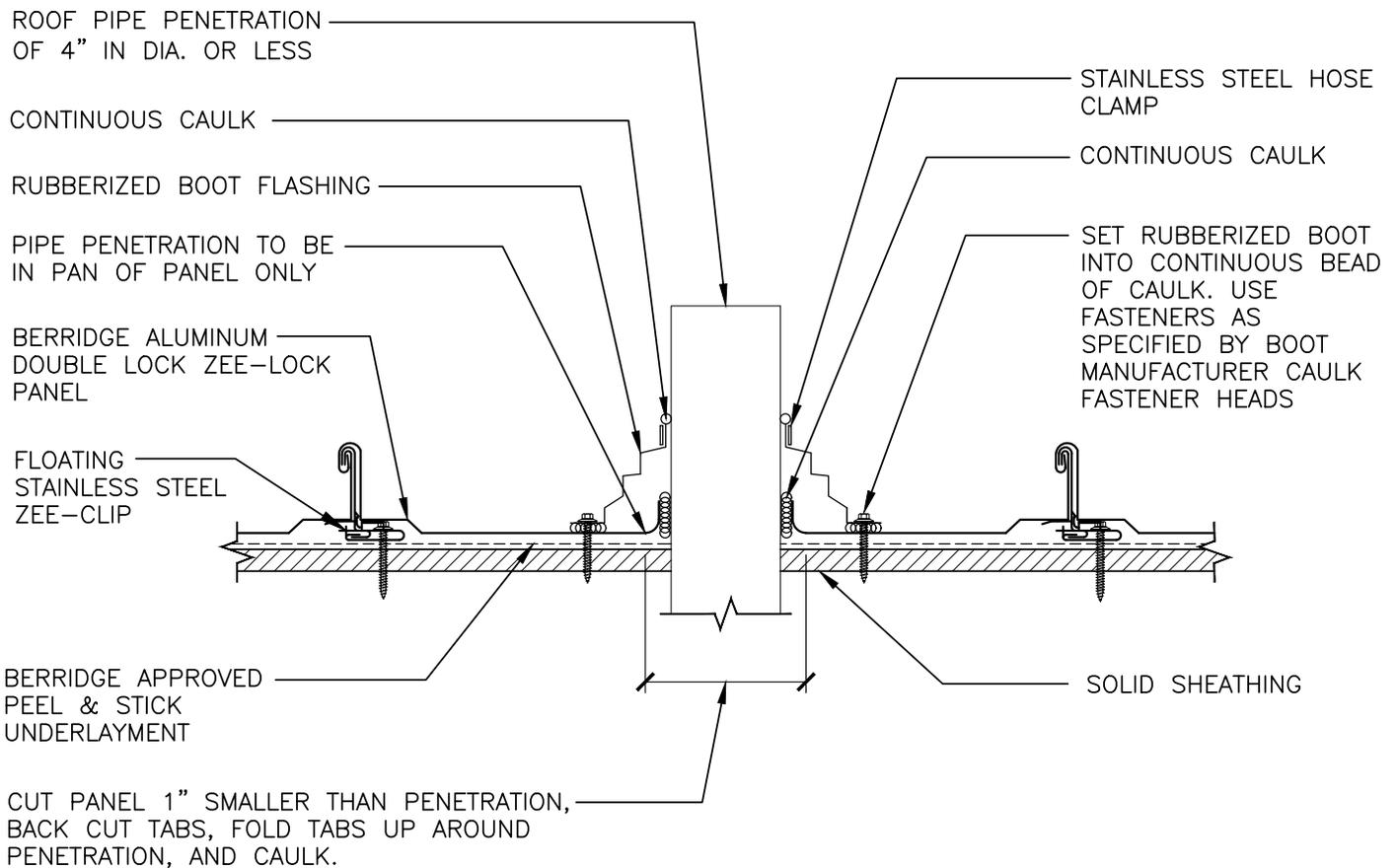
Roofs of Distinction

TAPERED VALLEY DETAIL
W/O OUT DIVERTER

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DZA-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**

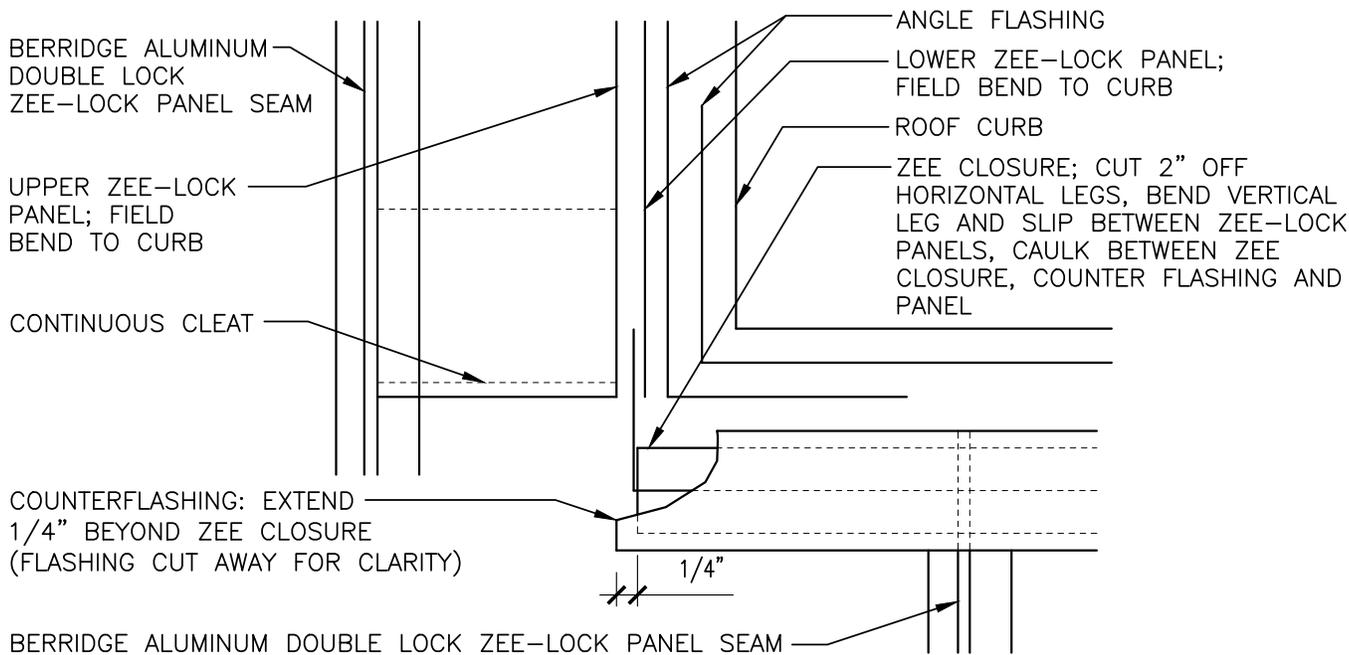
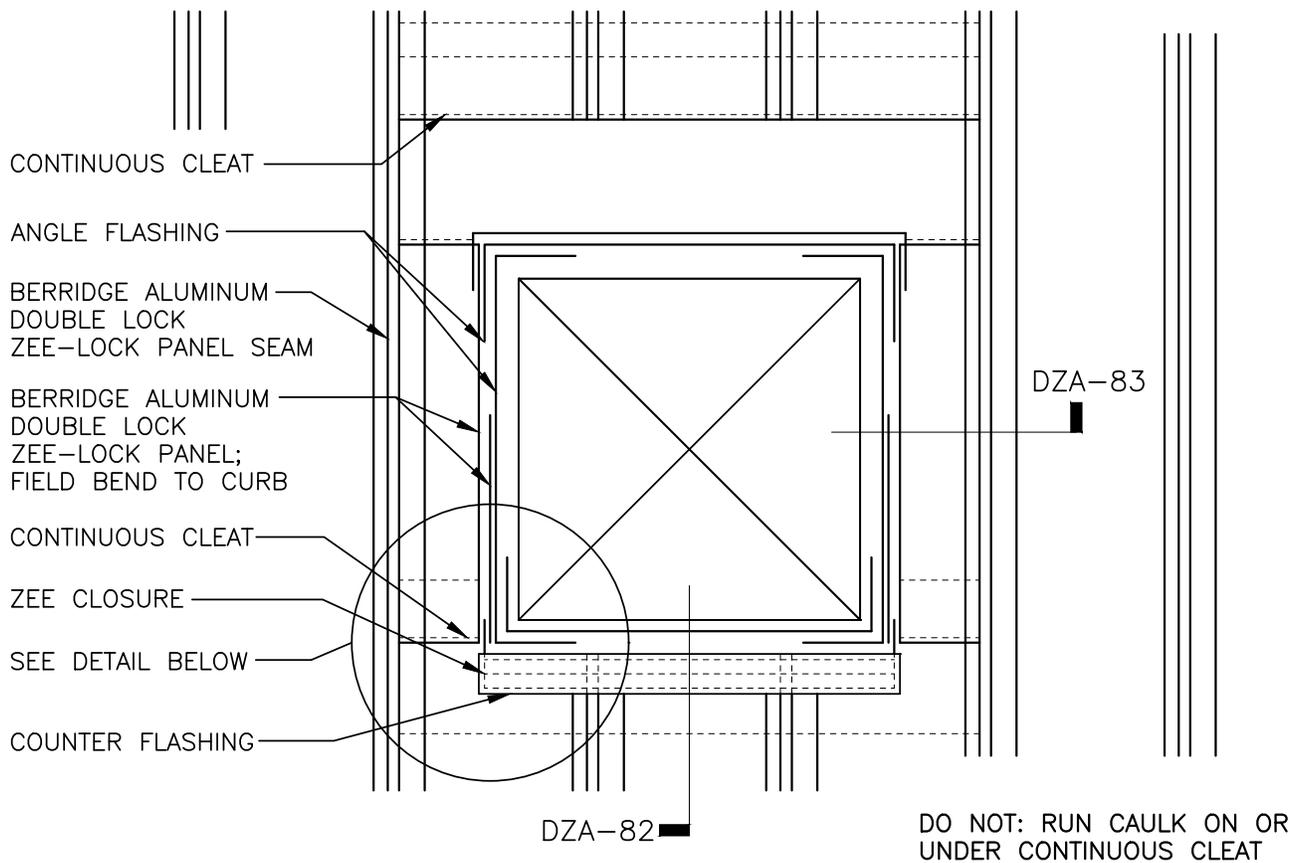
Roofs of Distinction

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

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

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DZA-80



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

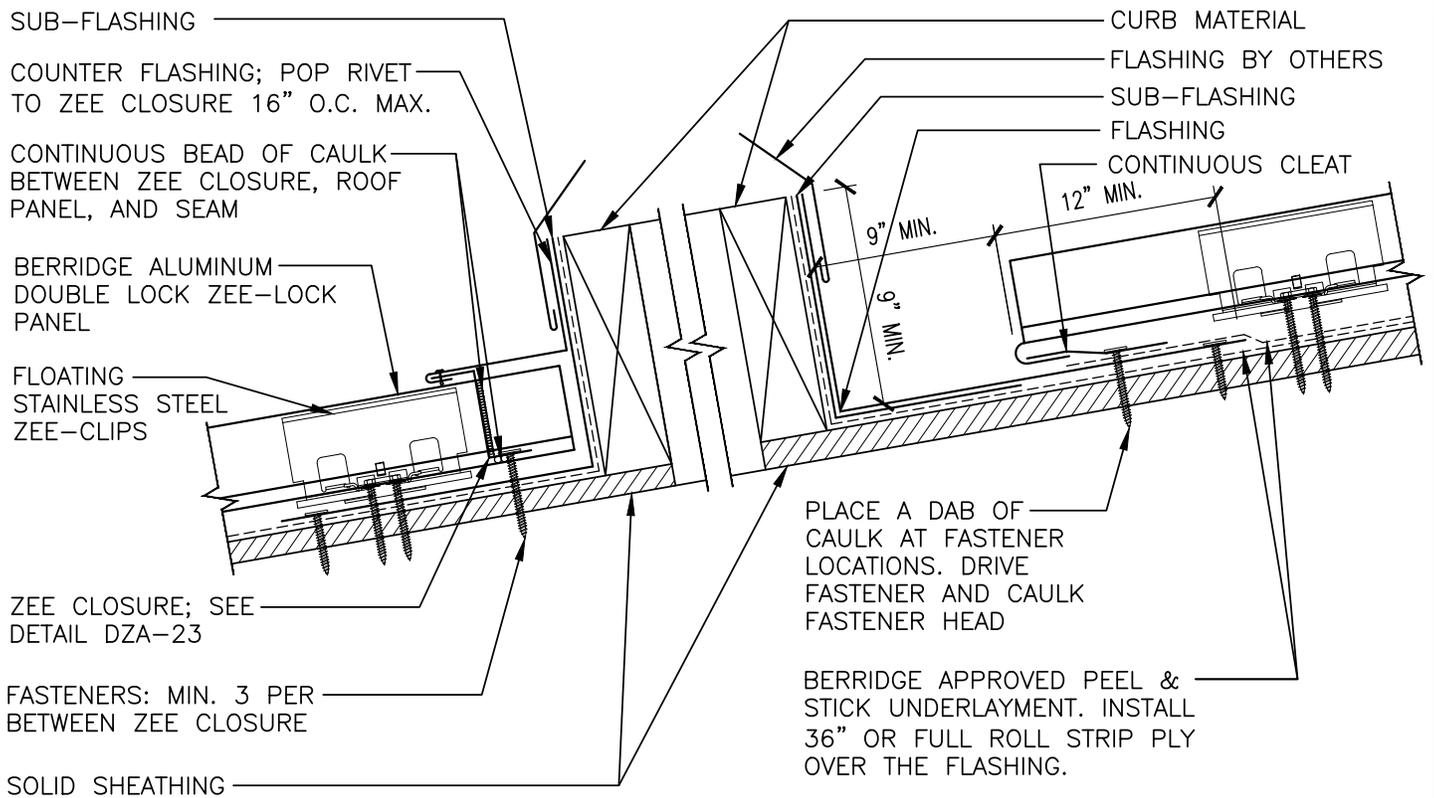
SQUARE PENETRATION
PLAN VIEW
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

DATE: 9/20

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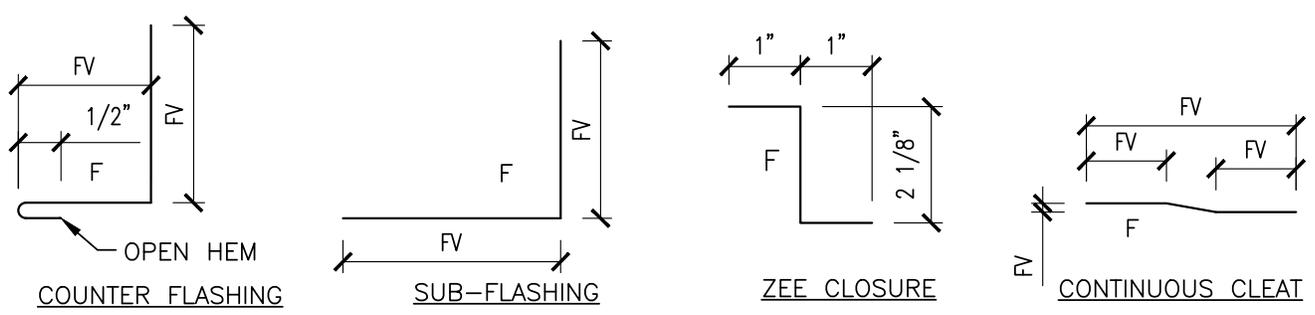


NOTE: DO NOT RUN A CONTINUOUS BEAD OF CAULK IN CLEAT OR UNDER CLEAT.
 NOTE: WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED WITH ALUMINUM PANELS. FLASHINGS MUST NOT BE FASTENED AT LAPS.

1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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)

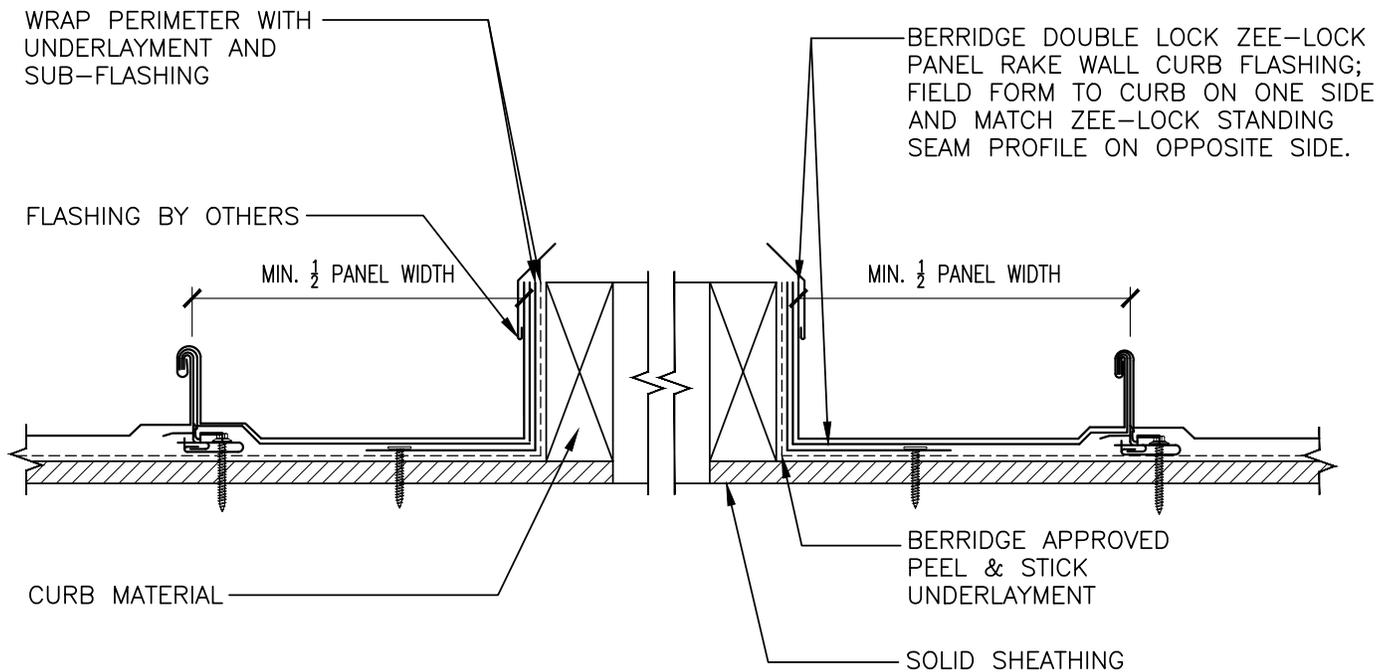
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
 FV = FIELD VERIFY



SQUARE PENETRATION
 SECTION A
 SOLID SUBSTRATE
 ALUMINUM DOUBLE LOCK ZEE-LOCK
 PANEL WITH FLOATING CLIPS

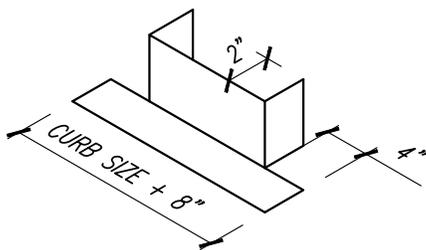
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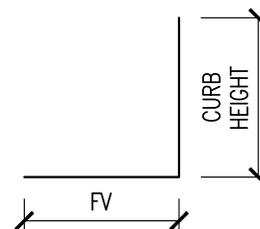
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.
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
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Roofs of Distinction

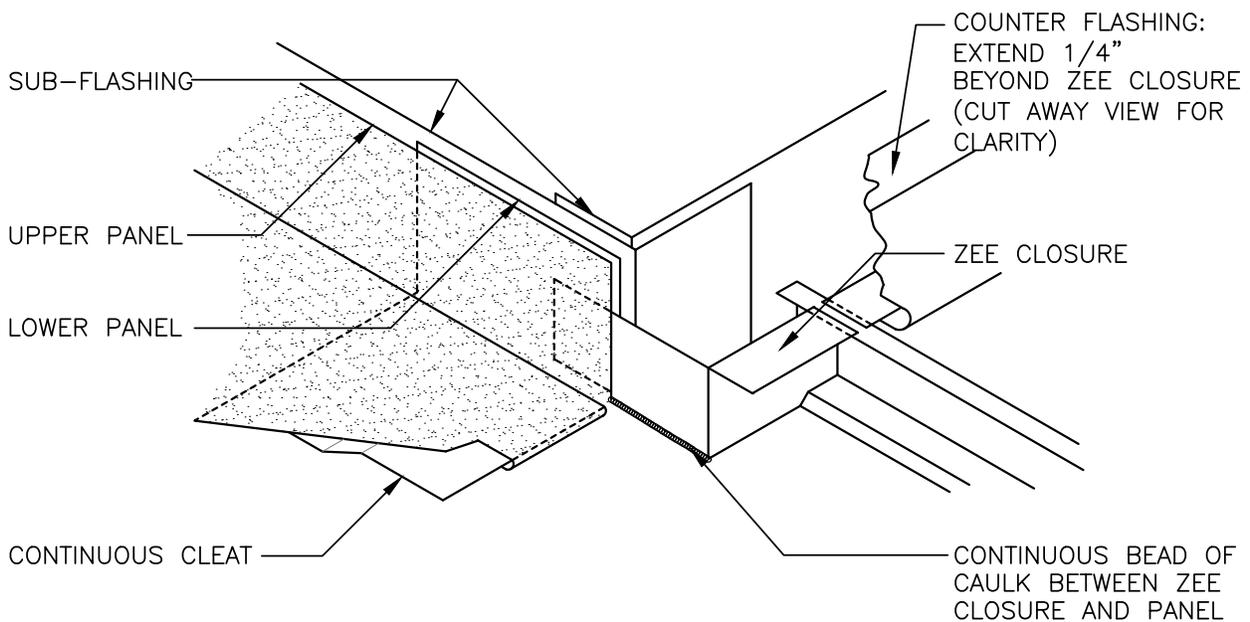
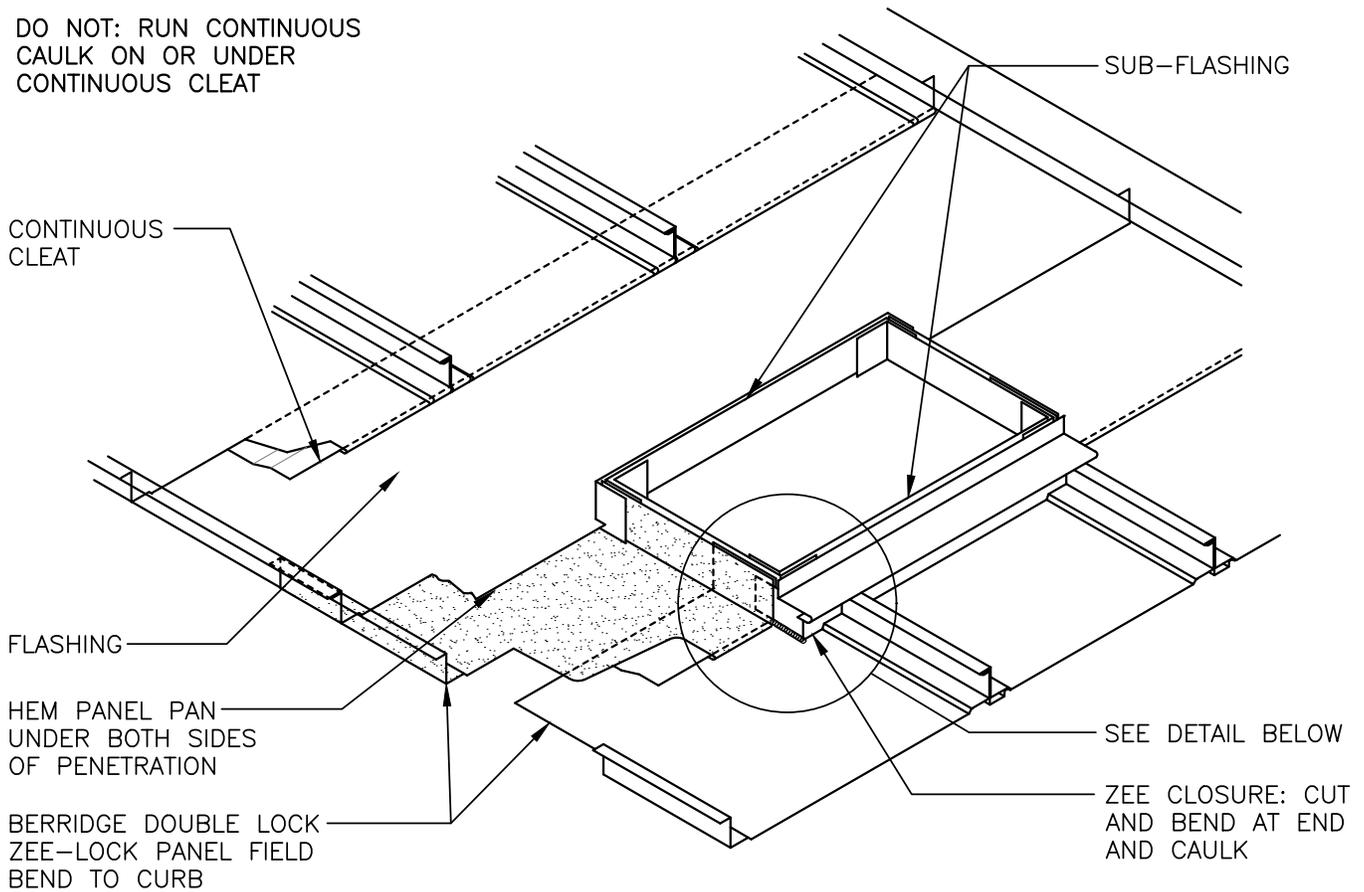
SQUARE PENETRATION
SECTION B
SOLID SUBSTRATE

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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DO NOT: RUN CONTINUOUS
CAULK ON OR UNDER
CONTINUOUS CLEAT



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Roofs of Distinction

SQUARE PENETRATION
ISOMETRIC
SOLID SUBSTRATE

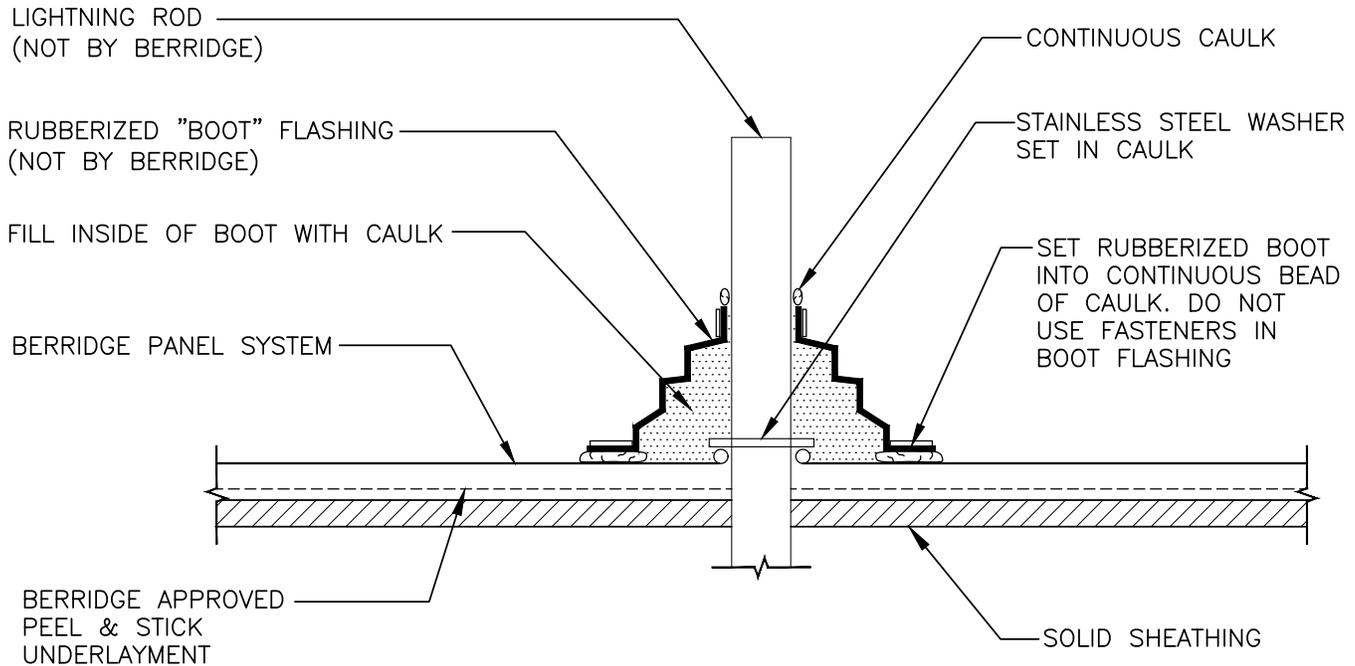
ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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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.



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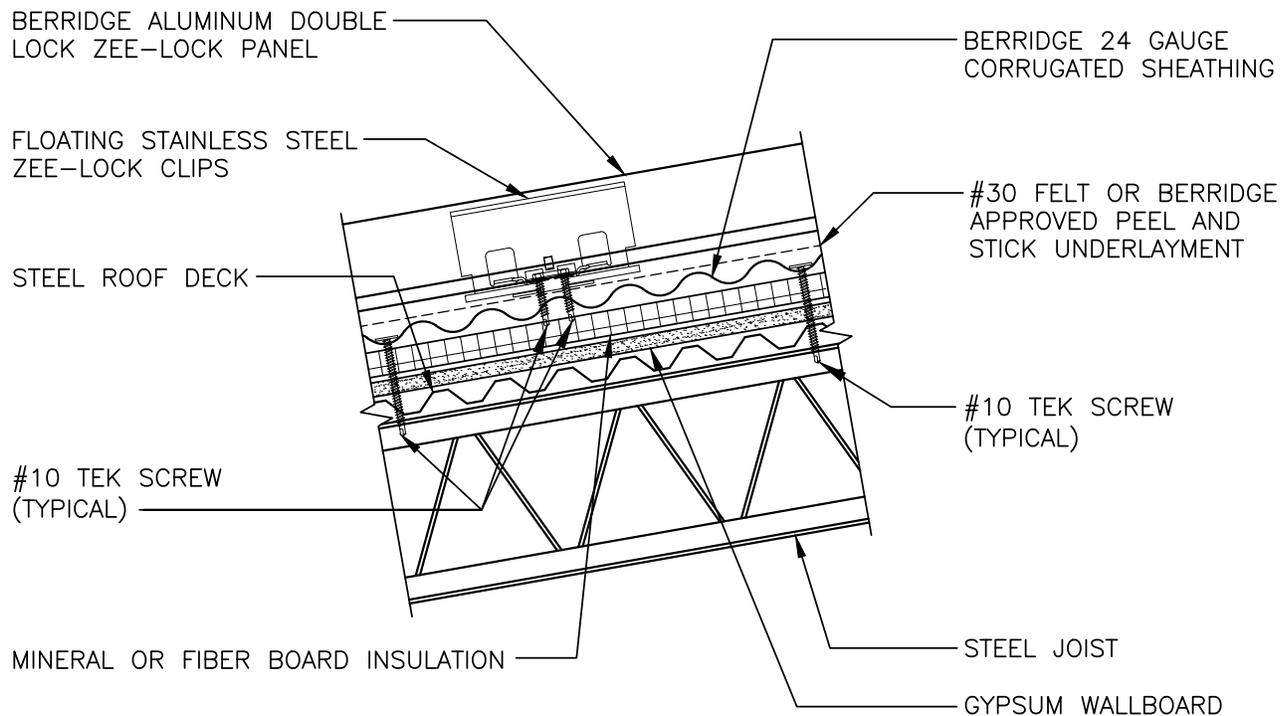
Roofs of Distinction

LIGHTNING ROD
(IF APPLICABLE)

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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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.



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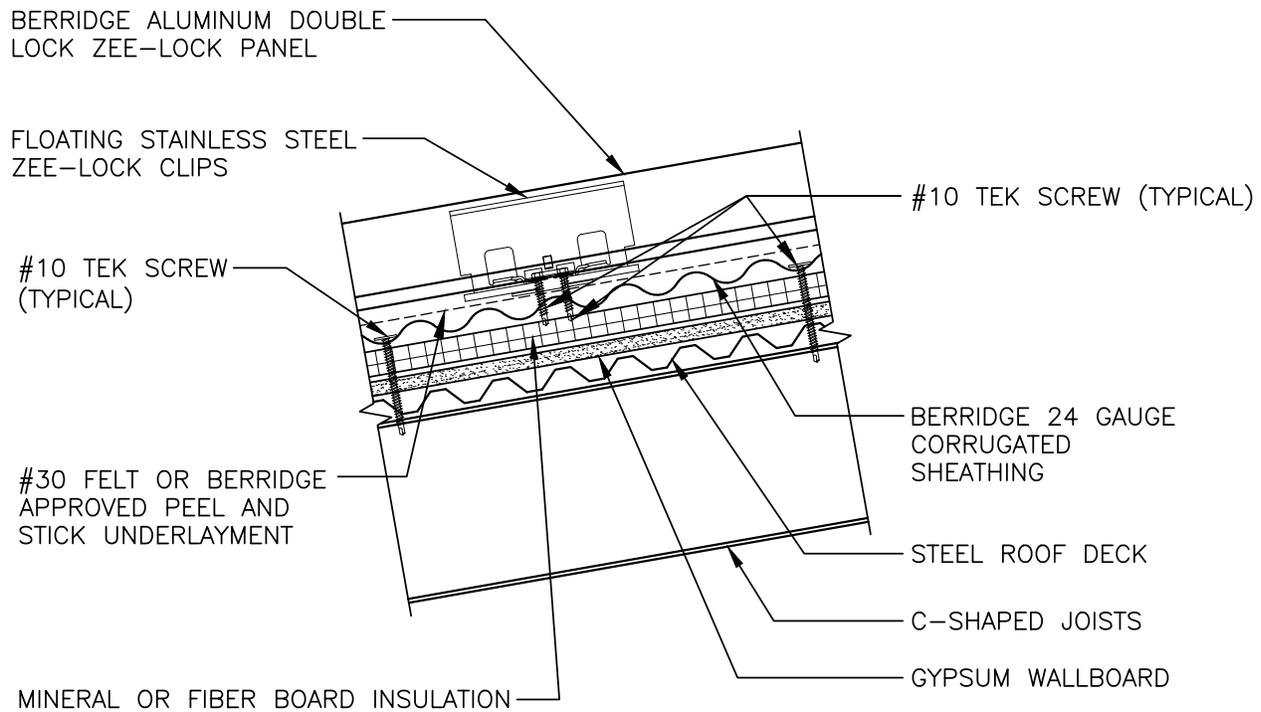
Roofs of Distinction

UL FIRE RESISTANCE ROOF ASSEMBLY

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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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.



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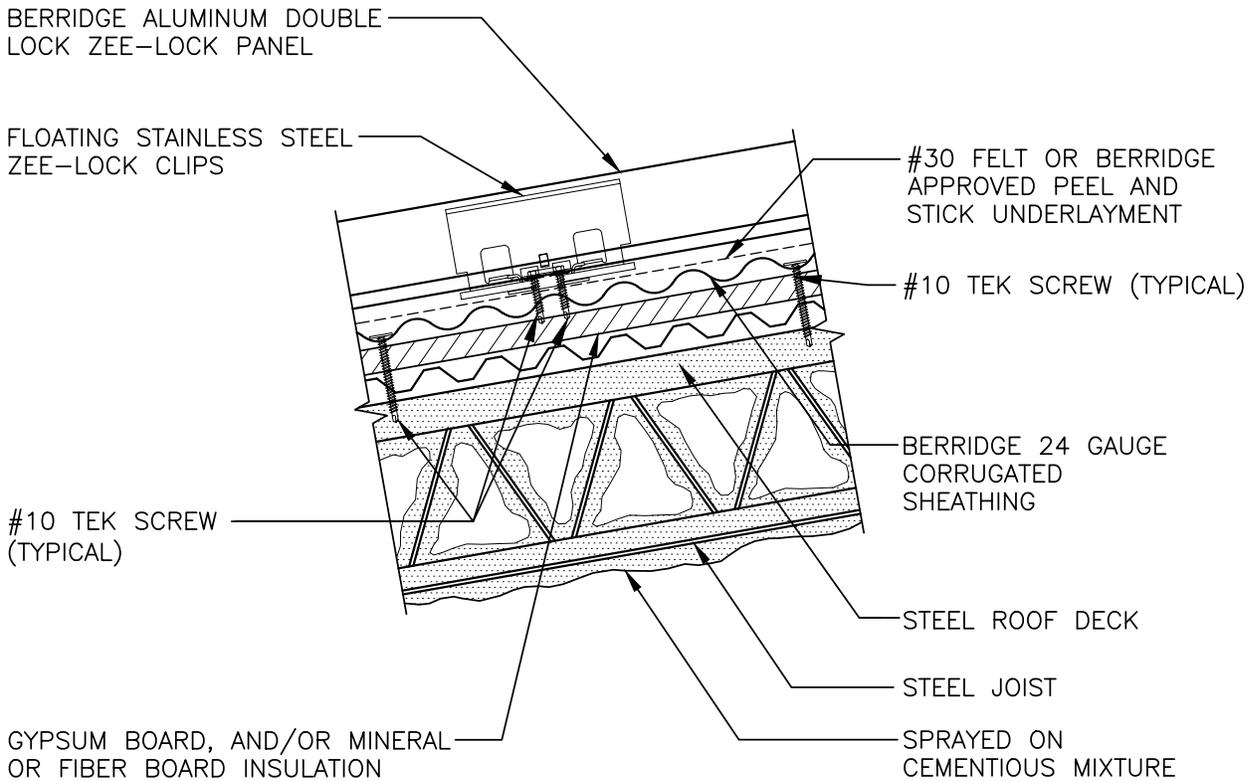
Roofs of Distinction

UL FIRE RESISTANCE ROOF ASSEMBLY

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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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.



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

UL FIRE RESISTANCE ROOF ASSEMBLY

ALUMINUM DOUBLE LOCK ZEE-LOCK
PANEL WITH FLOATING CLIPS

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