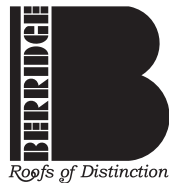
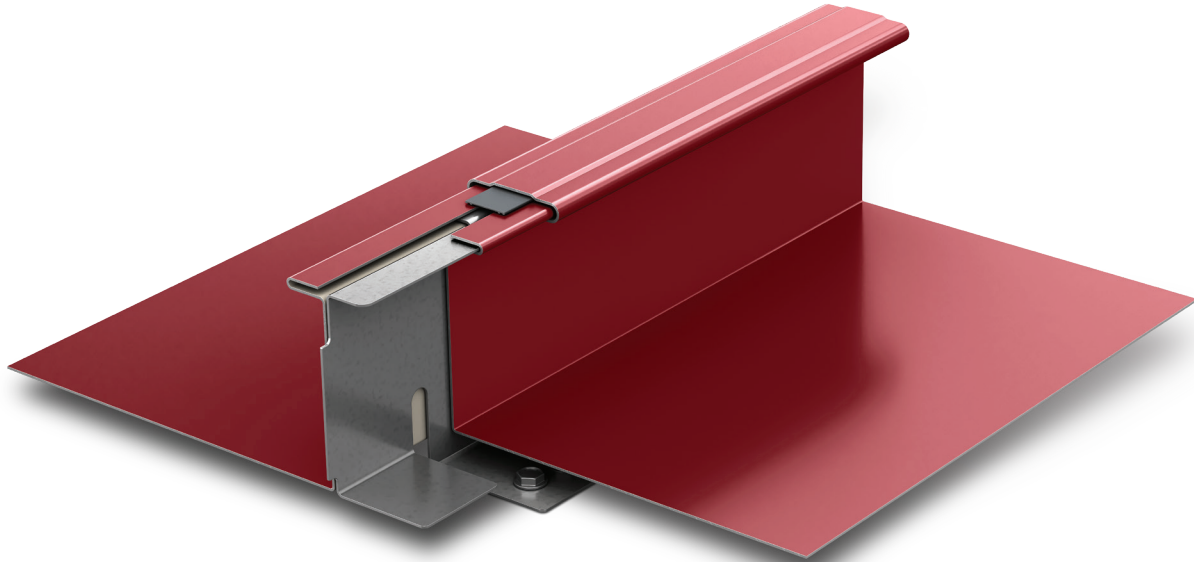


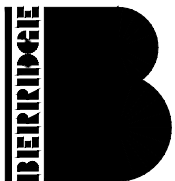
TEE-LOCK PANEL INSTALLATION DETAILS ALUMINUM



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INDEX	TLA-1
INSTALLATION INSTRUCTIONS	TLAI-1
INSTALLATION INSTRUCTIONS	TLAI-2
INSTALLATION INSTRUCTIONS	TLAI-3
INSTALLATION INSTRUCTIONS	TLAI-4
INSTALLATION INSTRUCTIONS; ALUMINUM EXPANSION CHART	TLAI-6 (AL)
INTRODUCTION TO TYPICAL DETAILS	TLA-3
OVERVIEW; STAINLESS STEEL TEE-LOCK CLIP	TLA-5
SEAM CAP SPLICE DETAIL	TLA-5.1
DIE FORMED TEE-LOCK RIDGE CLOSURE	TLA-5.4
EAVE DETAIL; SOLID SHEATHING	TLA-11
EAVE DETAIL; SOLID SHEATHING W/GUTTER	TLA-11G
RIDGE AND HIP DETAIL; SOLID SHEATHING	TLA-21
SHED RIDGE DETAIL; SOLID SHEATHING	TLA-22
RIDGE TERMINATION AT DORMER VALLEY; SLOPES LESS THAN 3:12	TLA-24
RIDGE TERMINATION AT DORMER VALLEY; SLOPES GREATER THAN 3:12	TLA-24A
GABLE DETAIL; SOLID SHEATHING	TLA-30
GABLE DETAIL; SOLID SHEATHING W/ CLOSURE FLASHING	TLA-33C
PARAPET DETAIL	TLA-40
RAKE WALL AT PARAPET DETAIL	TLA-41
HEAD WALL DETAIL; SOLID SHEATHING	TLA-51PS
HEAD WALL DETAIL; SOLID SHEATHING W/ REGLET	TLA-51R
HEAD WALL DETAIL; SOLID SHEATHING W/ SURFACE MOUNT	TLA-51SM
RAKE WALL DETAIL; SOLID SHEATHING	TLA-53PS
RAKE WALL DETAIL; SOLID SHEATHING W/ REGLET	TLA-53R
RAKE WALL DETAIL; SOLID SHEATHING W/ SURFACE MOUNT	TLA-53SM
SLOPE TRANSITION DETAIL; SOLID SHEATHING	TLA-61
VALLEY DETAIL; SOLID SEATHING	TLA-70
VALLEY DETAIL; ISOMETRIC	TLA-71
TAPERED VALLEY	TLA-73A
PIPE PENETRATION (PREFERRED METHOD) IN PAN ONLY 4" DIAMETER OR LESS	TLA-80
ROOF PENETRATION RECTANGULAR/SQUARE	TLA-81
ROOF PENETRATION SECTION A	TLA-82
ROOF PENETRATION SECTION B	TLA-83
ROOF PENETRATION ISOMETRIC	TLA-84
LIGHTNING ROD DETAIL	TLA-89
UL 90 ASSEMBLY; CONSTRUCTION NO. 268A - THROUGH RIGID BOARD TO 22 GA. METAL DECK	TLA-91
UL 90 ASSEMBLY; CONSTRUCTION NO. 268B - OVER $\frac{19}{32}$ " PLYWOOD SHEATHING	TLA-92



**BERRIDGE
MANUFACTURING
COMPANY**

Roofs of Distinction

INSTALLATION INSTRUCTIONS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-1

A. **BERRIDGE ALUMINUM TEE-LOCK PANEL:** THE TEE-LOCK PANEL IS FACTORY FABRICATED AND/OR FIELD FABRICATED USING THE BERRIDGE PORTABLE ROLL FORMER.

THE TEE-LOCK SEAM CAPS WITH OPTIONAL VINYL WEATHERSEAL ARE MECHANICALLY SEAMED IN THE FIELD WITH THE BERRIDGE POWER DRIVEN SEAMER. VINYL WEATHERSEAL IS RECOMMENDED AT A ROOF SLOPE OF 3:12 OR LESS; AND REQUIRED FOR INSTALLATION OVER OPEN FRAMING, AND PROJECTS REQUIRING A BERRIDGE WATERTIGHTNESS WARRANTY.

B. **MINIMUM SLOPE:** THE TEE-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.

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.



**BERRIDGE
MANUFACTURING
COMPANY**

Roofs of Distinction

INSTALLATION INSTRUCTIONS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLAI-1

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 TEE-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 TEE-LOCK TYPICAL DETAILS. BERRIDGE REQUIRES STRIP IN LAYERS UNDERLAYMENT TO BE 36" OR A FULL ROLL AT VALLEY FLASHINGS AND 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. 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

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. 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 MINIMUM 36" OR A FULL ROLL AT VALLEY FLASHINGS AND SQUARE PENETRATIONS LOCATION, AND MINIMUM 12" 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 GALVALUME LINEAR EXPANSION CHART ON PAGE TLAI-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.

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

APPROVED UNDERLAYMENTS AND SEALANTS



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

INSTALLATION
INSTRUCTIONS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLAI-2

- 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 FLASHING, STAINLESS STEEL RIVETS ARE REQUIRED. DO NOT RIVET THROUGH FLASHING 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 TEE-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 AND SEAM CAP PRIOR TO INSTALLATION.
2. START PANEL, STAINLESS STEEL TEE-LOCK CLIP INSTALLATION.
3. INSTALL SEAM CAP, HAND CRIMP IN PLACE AND USE BERRIDGE POWER DRIVEN SEAMER.
4. 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.
5. 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.

6. 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.

- N. PANEL SEAM: THE BERRIDGE ALUMINUM TEE-LOCK PANEL IS A MECHANICALLY SEAMED PANEL BY USE OF A BERRIDGE SEAMER MACHINE.

O. SEAMER INSTRUCTIONS:

1. PREPARE THE SEAM CAP FOR MACHINE SEAMING BY CRIMPING THE STARTING END OF THE SEAM CAP USING THE BERRIDGE HAND CRIMPER TOOL. THIS CREATES A SEAMED AREA WHERE THE SEAMER MACHINE WILL BE POSITIONED TO COMMENCE SEAMING THE SIDE LAP.



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

INSTALLATION
INSTRUCTIONS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLAI-3

2. HAND SEAM TERMINATING END OF PANEL AND SEAM CAP IF OBSTRUCTION PREVENTS SEAMING MACHINE FROM SEAMING PANEL AND SEAM CAP 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. MACHINE SEAM SEAM CAP TO PANELS IMMEDIATELY AFTER INSTALLATION OF PANEL.

T. STAINLESS STEEL TEE-LOCK CLIP:

1. INSTALL STAINLESS STEEL TEE-LOCK CLIPS AS PER BERRIDGE TYPICAL TEE-LOCK PANEL DETAILS.
2. WHEN USING CLIPS DIRECTLY OVER RIGID INSULATION, 6"x6" 0.032 ALUMINUM BEARING PLATES ARE REQUIRED UNDER CLIPS.

*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 DOWNLOADS TAB ON WWW.BERRIDGE.COM FOR FASTENER RECOMMENDATIONS ACCORDING TO SUBSTRATE.**

TEE-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. USE #12 PANCAKE HEAD STAINLESS STEEL FASTENERS FOR FLASHING INSTALLATION.

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

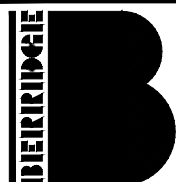
- V. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE ALUMINUM TEE-LOCK PANEL COMPLIES WITH UL TEST PROCEDURE NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES" CLASS UL 90 CONSTRUCTIONS REFER TO DETAILS TLA-91 & TLA-92.

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 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 ALUMINUM TEE-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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Roofs of Distinction

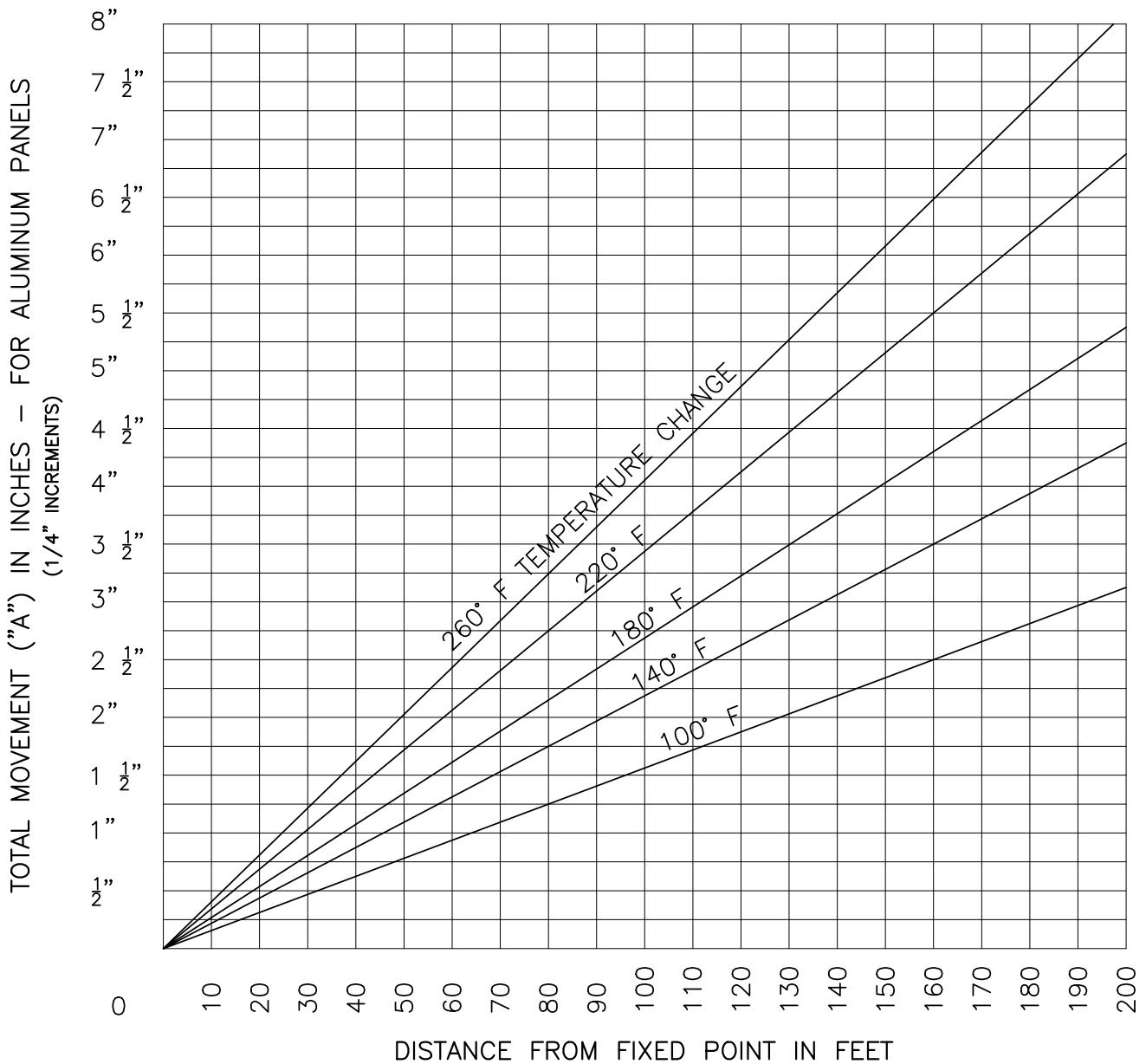
INSTALLATION INSTRUCTIONS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLAI-4



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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Roofs of Distinction

INSTALLATION INSTRUCTIONS NOMINAL LINEAR EXPANSION

ALUMINUM PANEL EXPANSION CHART

DATE: 1/21

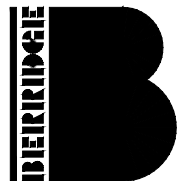
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TLAI-6(AL)

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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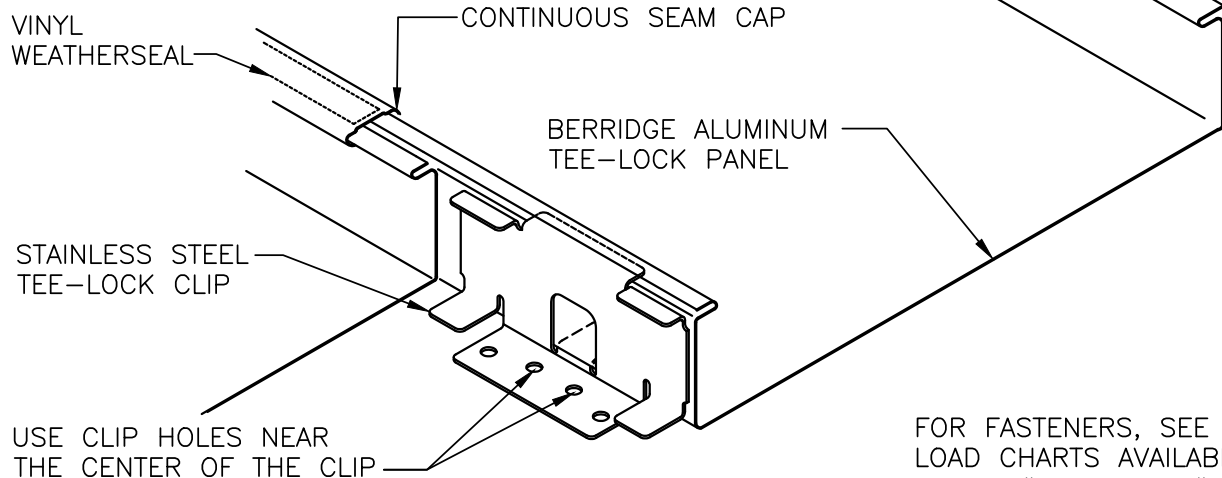
INTRODUCTION TO
TYPICAL DETAILS

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

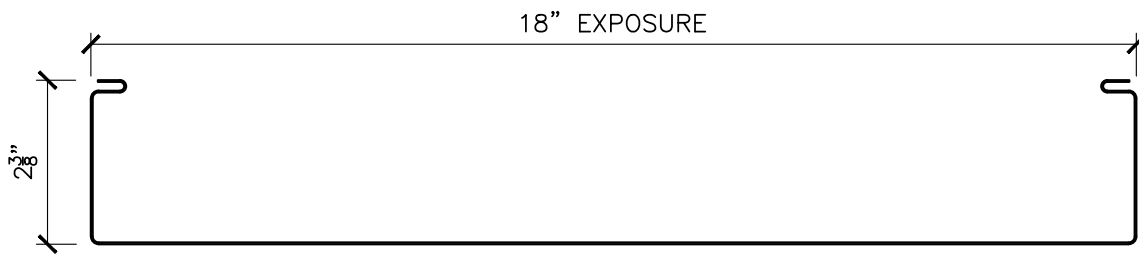
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TLA-3



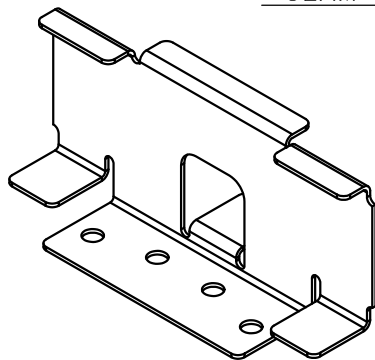
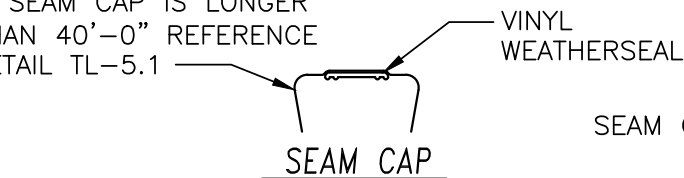
USE OTHER CLIP HOLES ONLY WHEN DIRECTED BY BERRIDGE'S ENG. DEPT.

FOR FASTENERS, SEE LOAD CHARTS AVAILABLE UNDER "DOWNLOADS" TAB ON WWW.BERRIDGE.COM

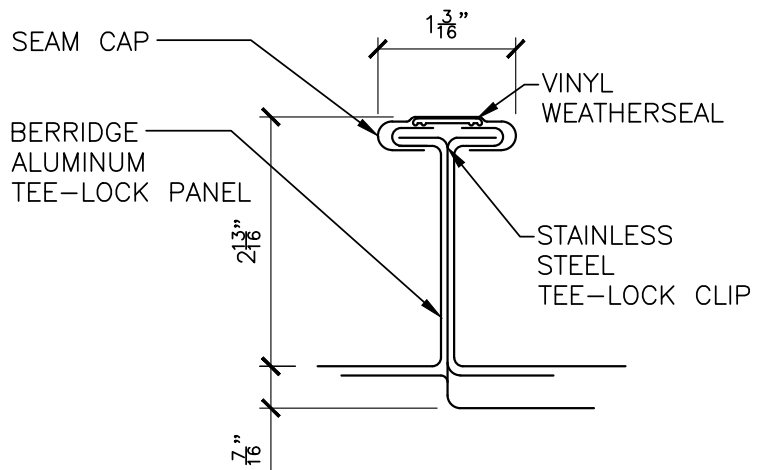


0.032" OR 0.040" ALUMINUM PANEL SECTION

TEE-LOCK SEAM CAP TO BE CONTINUOUS. SPLICE ONLY IF SEAM CAP IS LONGER THAN 40'-0" REFERENCE DETAIL TL-5.1



STAINLESS STEEL TEE-LOCK CLIP



SEAM SECTION

NOTE: VINYL WEATHERSEAL IS REQUIRED FOR WATERTIGHTNESS WARRANTIES



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Roofs of Distinction

PANEL OVERVIEW
STAINLESS STEEL
TEE-LOCK CLIP

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-5

VINYL WEATHERSEAL
INSIDE SEAM CAP

UPPER SEAM CAP CUT AWAY VINYL
WEATHERSEAL AND BUTT JOINT WITH
VINYL OF LOWER SEAM CAP APPLY
CONTINUOUS CAULK AT JOINT

AT SPLICE LAP SEAM CAPS 4" OVER
CENTER LINE OF TEE LOCK CLIP APPLY
CONTINUOUS CAULK BETWEEN SEAM
CAPS AT SPLICE AND HAND CRIMP
BEFORE SEAMING

VINYL WEATHERSEAL
INSIDE SEAM CAP

LOWER SEAM CAP
CUT AWAY 4" OF
VERTICAL LEG AT
SEAM SPLICE

STAINLESS STEEL
TEE-LOCK CLIP

BERRIDGE ALUMINUM
TEE-LOCK PANEL

ROOF SLOPE

NOTE: TEE-LOCK SEAM CAP TO BE CONTINUOUS.
SPLICE ONLY IF SEAM CAP IS LONGER THAN 40'-0"



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Roofs of Distinction

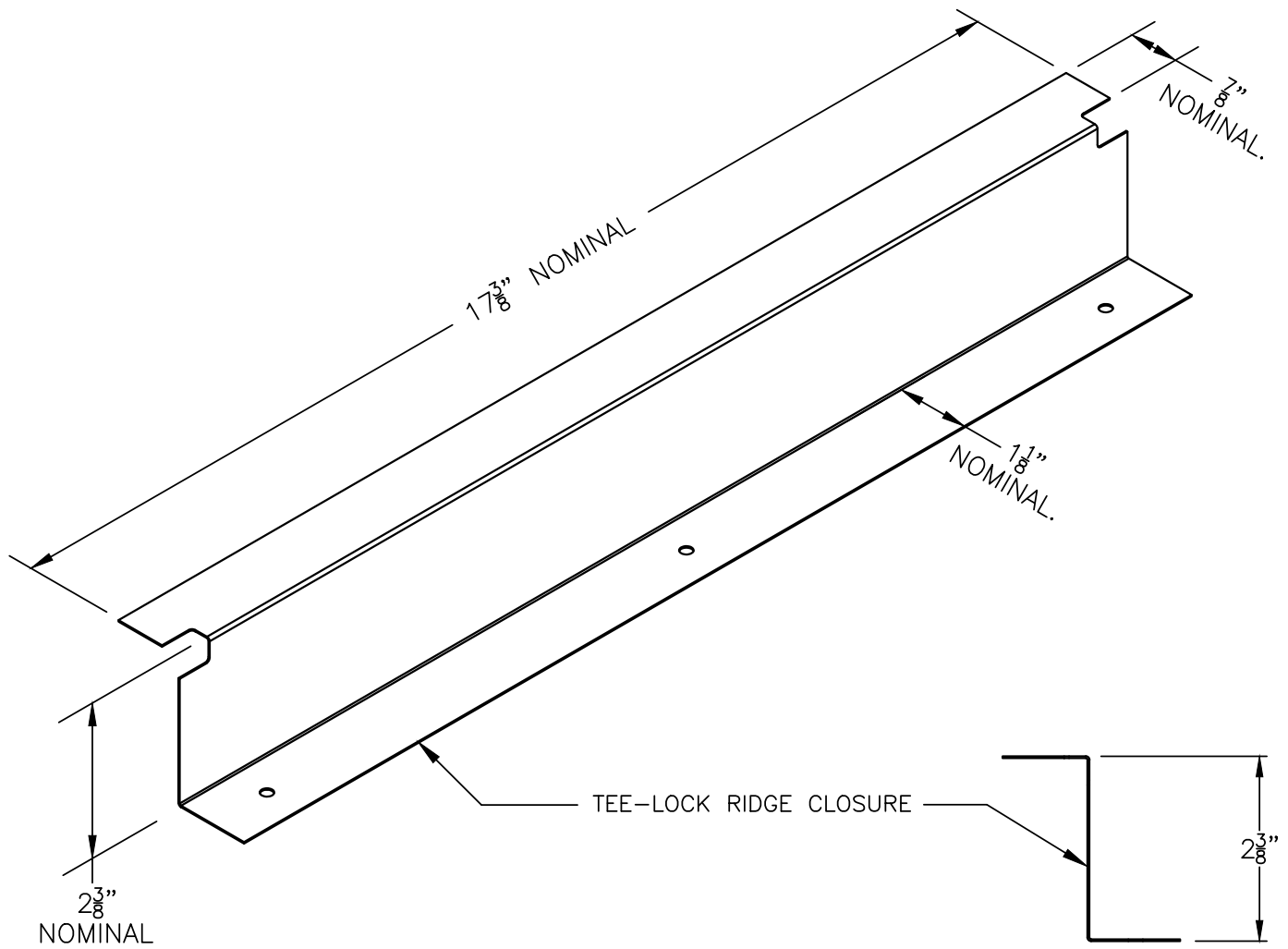
SEAM CAP SPLICE DETAIL

ALUMINUM TEE-LOCK PANEL

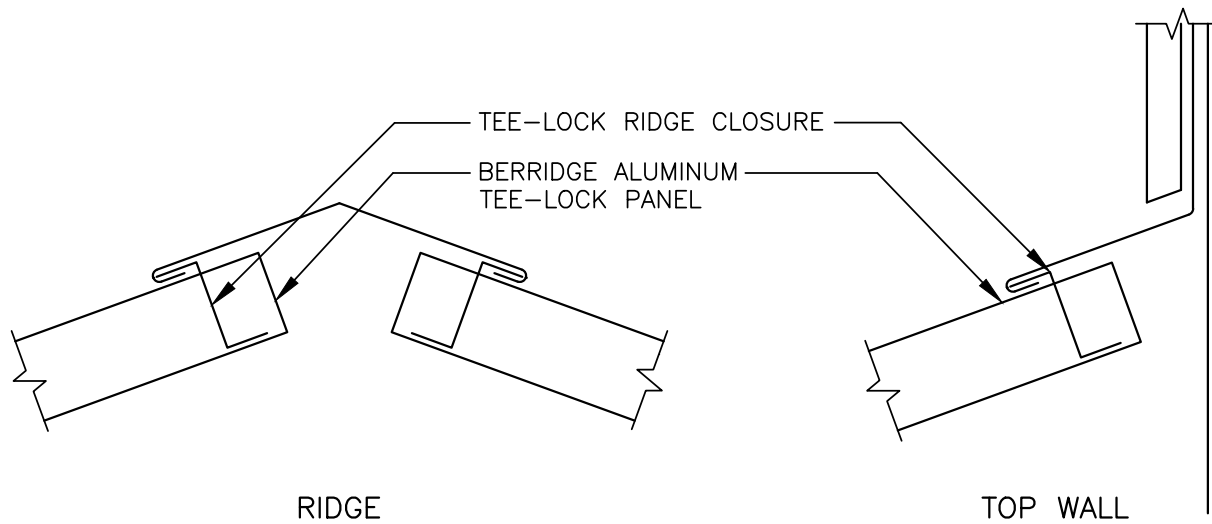
DATE: 3/21

PAGE\FILE

TLA-5.1



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



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Roofs of Distinction

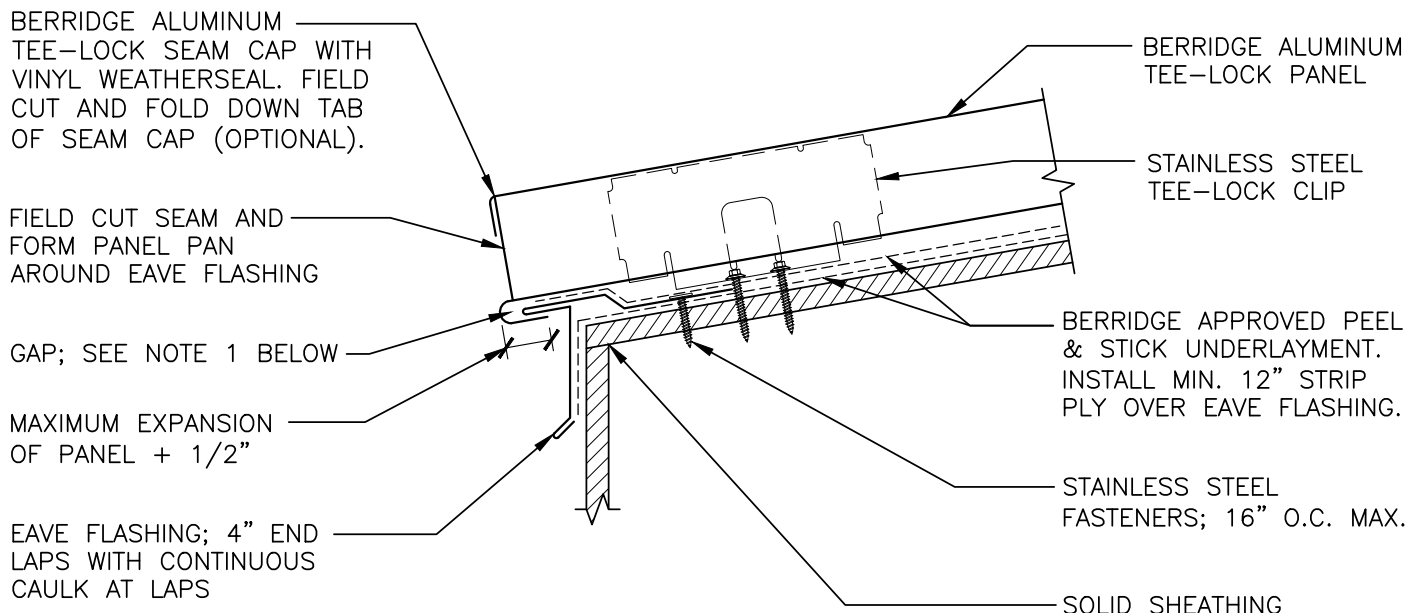
TEE-LOCK DIE-FORMED
RIDGE CLOSURE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-5.4

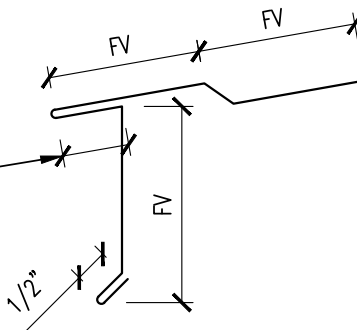


1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART
2. GAP BETWEEN EAVE FLASHING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

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



EAVE FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

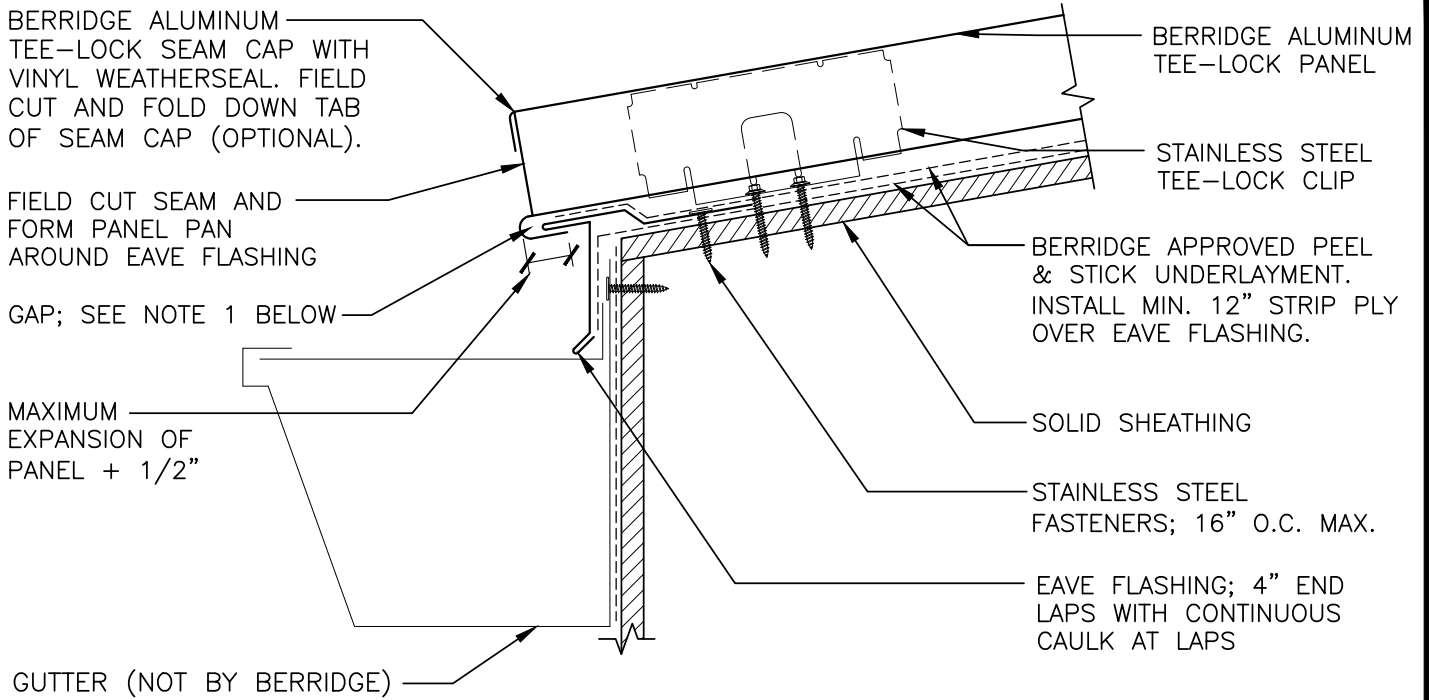
EAVE DETAIL PANEL TURNDOWN
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-11

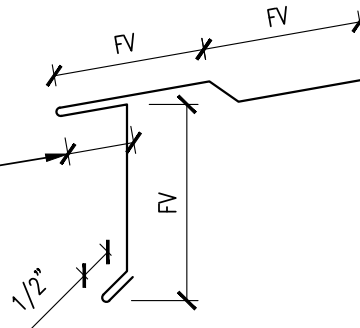


1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART
2. GAP BETWEEN EAVE FLASHING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

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



EAVE FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

EAVE DETAIL WITH GUTTER
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-11G

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

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS AT HIP. USE TLA-5.4 AT RIDGE

BERRIDGE ALUMINUM TEE-LOCK PANEL

STAINLESS STEEL TEE-LOCK CLIP

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

STAINLESS STEEL FASTENERS; MIN. 3 PER ZEE CLOSURE

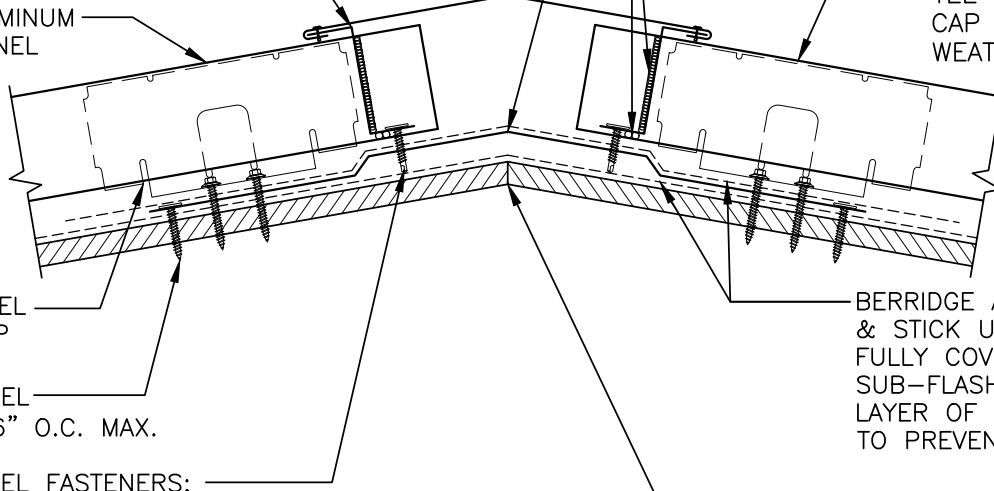
CONTINUOUS MIN. 16 GA. SUB-FLASHING

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

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. FULLY COVER 16 GA. SUB-FLASHING WITH A LAYER OF UNDERLAYMENT TO PREVENT ELECTROLYSIS

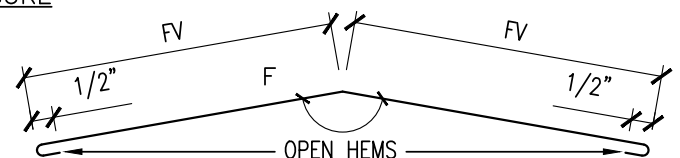
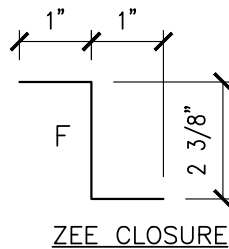
SOLID SHEATHING



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



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RIDGE/HIP DETAIL
SOLID SHEATHING

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-21

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

ZEE CLOSURE; USE TLA-5.4 AT RIDGE. CUT
TO FIT BETWEEN SEAMS AT SKEWED AREAS.

BERRIDGE ALUMINUM TEE-LOCK
SEAM CAP WITH VINYL WEATHERSEAL

STAINLESS STEEL
TEE-LOCK CLIP

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

SOLID SHEATHING

MIN. 16 GA. HAT CHANNEL WITH STAINLESS
STEEL FASTENERS 16" O.C. MAX.

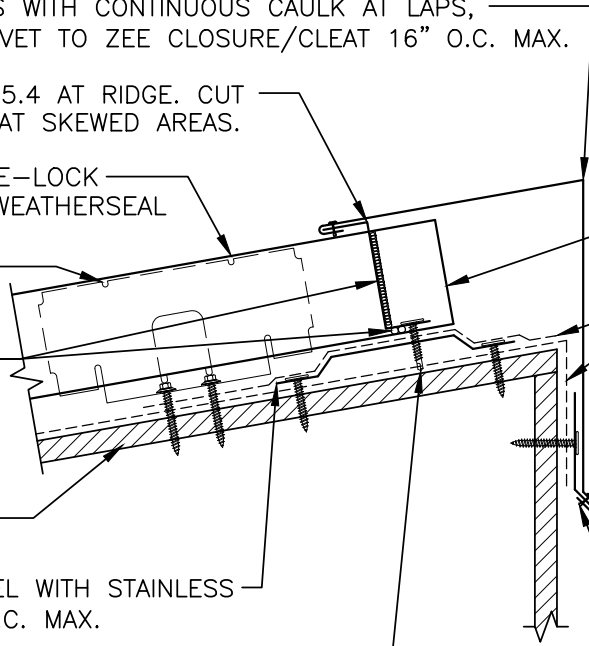
STAINLESS STEEL FASTENERS;
MIN. 3 PER ZEE CLOSURE

BERRIDGE ALUMINUM
TEE-LOCK PANEL

BERRIDGE APPROVED
PEEL & STICK
UNDERLAYMENT. LAP
OVER RIDGE AND FULLY
COVER 16 GA. HAT
CHANNEL WITH A LAYER
OF UNDERLAYMENT TO
PREVENT ELECTROLYSIS

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

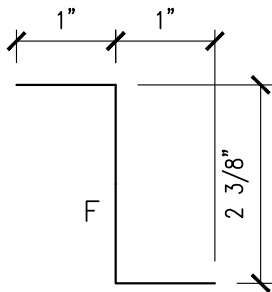
STAINLESS STEEL POP
RIVETS 16" O.C. MAX.



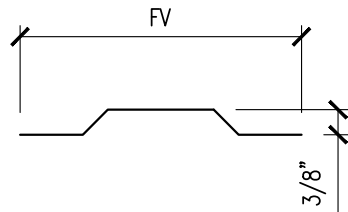
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NOTE: ALL FLASHING GAUGES TO BE
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GAUGE UNLESS NOTED OTHERWISE

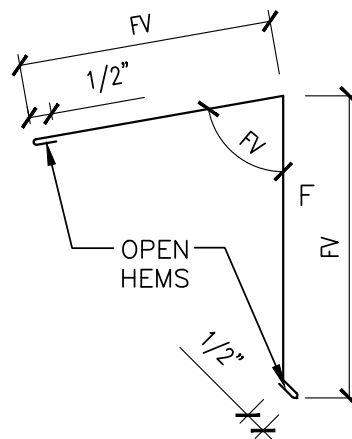
F = FINISH SIDE
FV = FIELD VERIFY



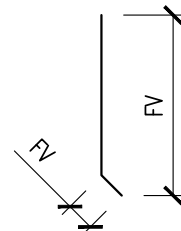
ZEE CLOSURE



MIN. 16 GA. HAT CHANNEL



RIDGE CAP



CONTINUOUS CLEAT



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

SHED RIDGE DETAIL
SOLID SHEATHING

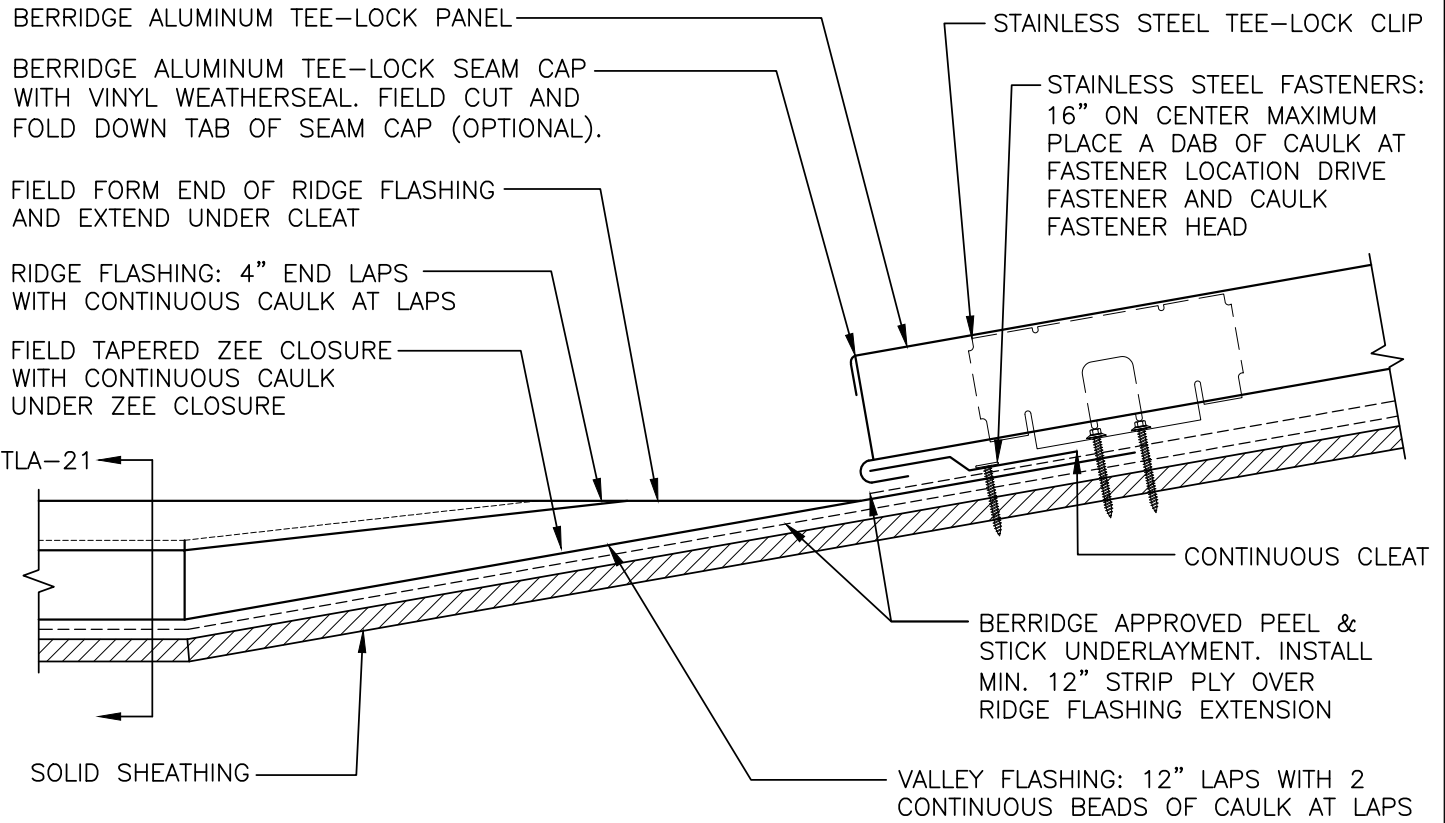
ALUMINUM TEE-LOCK PANEL

DATE: 3/21

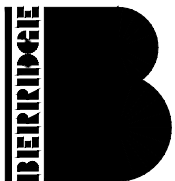
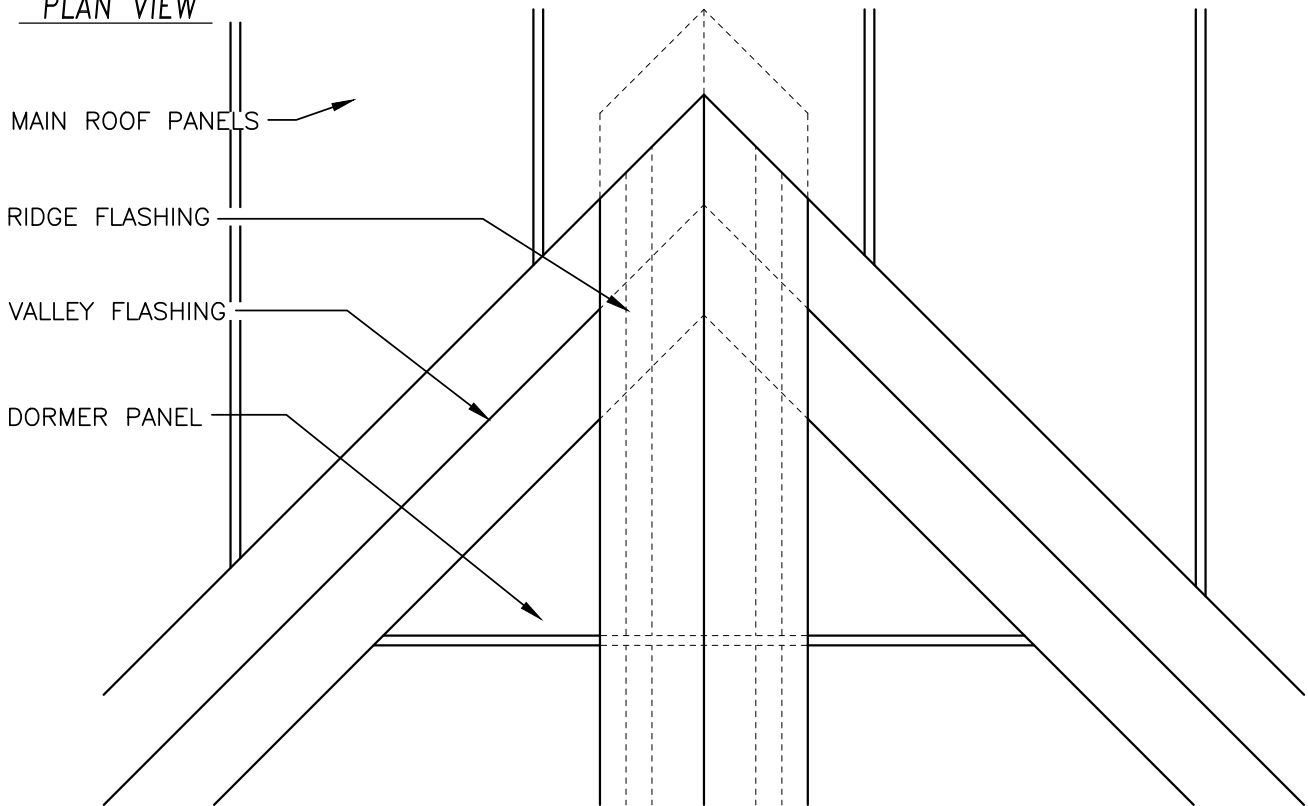
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TLA-22

SECTION VIEW



PLAN VIEW



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RIDGE TERMINATION
SLOPES LESS THAN 3:12

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-24

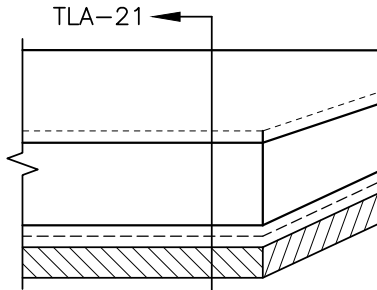
SECTION VIEW

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL. FIELD CUT AND FOLD DOWN TAB OF SEAM CAP (OPTIONAL).

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



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

BERRIDGE ALUMINUM TEE-LOCK PANEL

STAINLESS STEEL TEE-LOCK CLIP

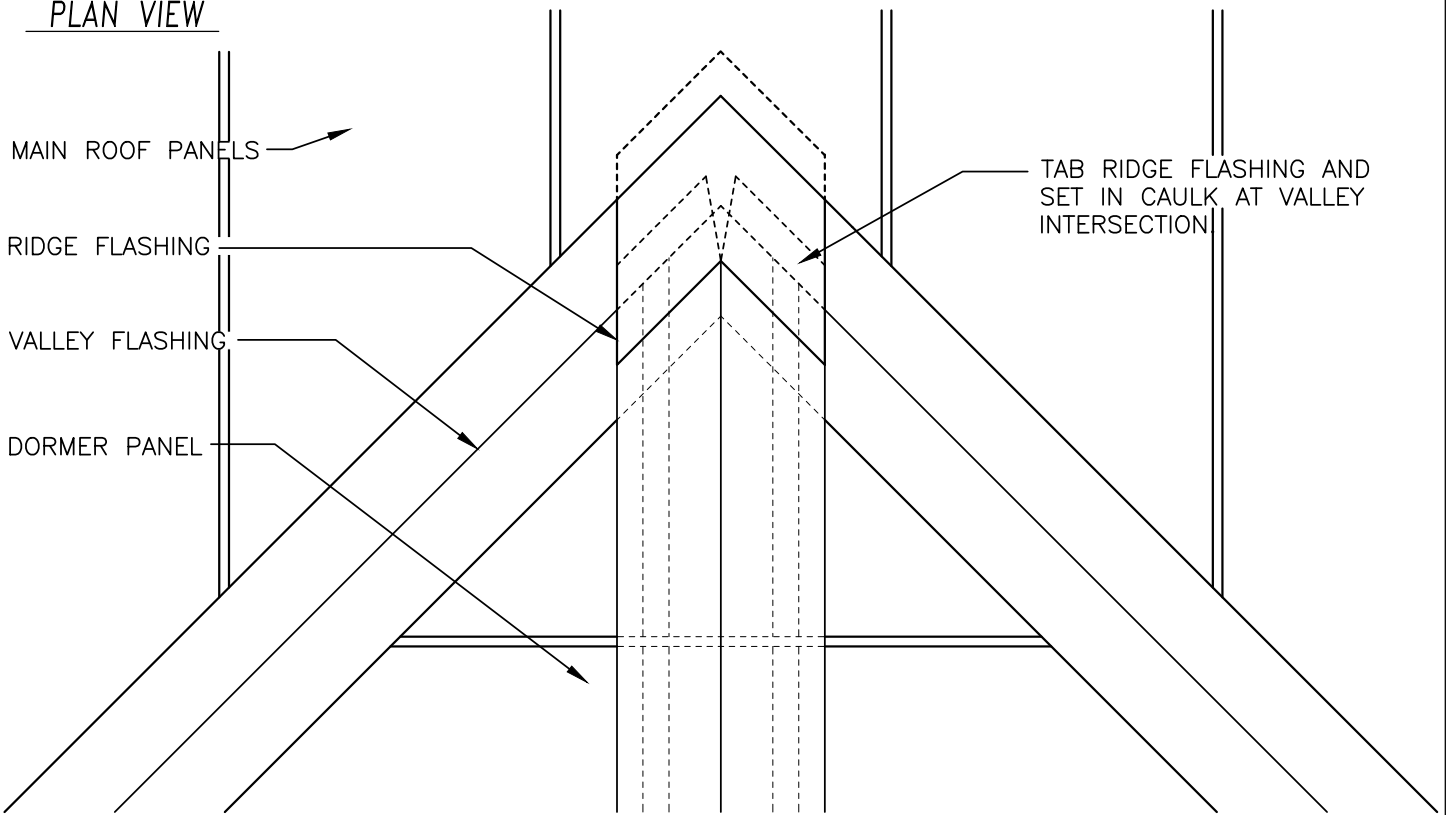
BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER COVER TRIM

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

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

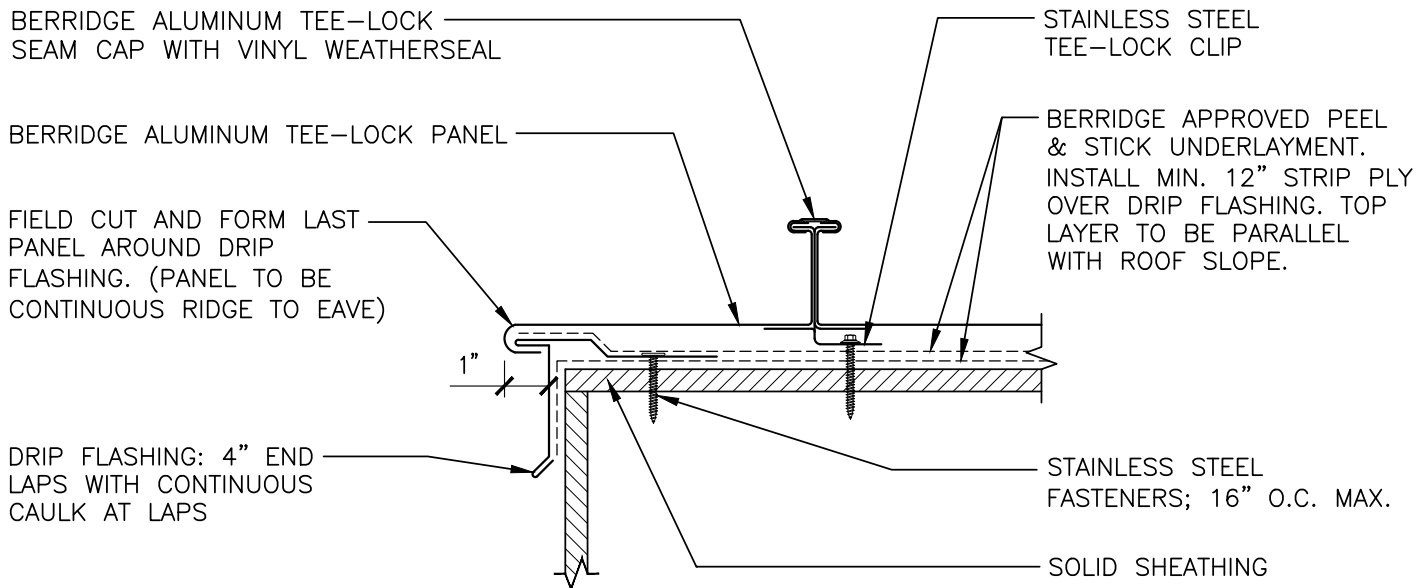
RIDGE TERMINATION
SLOPES GREATER THAN 3:12

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

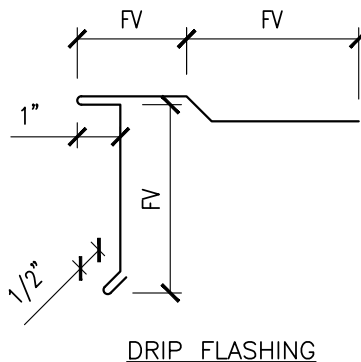
TLA-24A



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



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-30

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

BERRIDGE ALUMINUM TEE-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

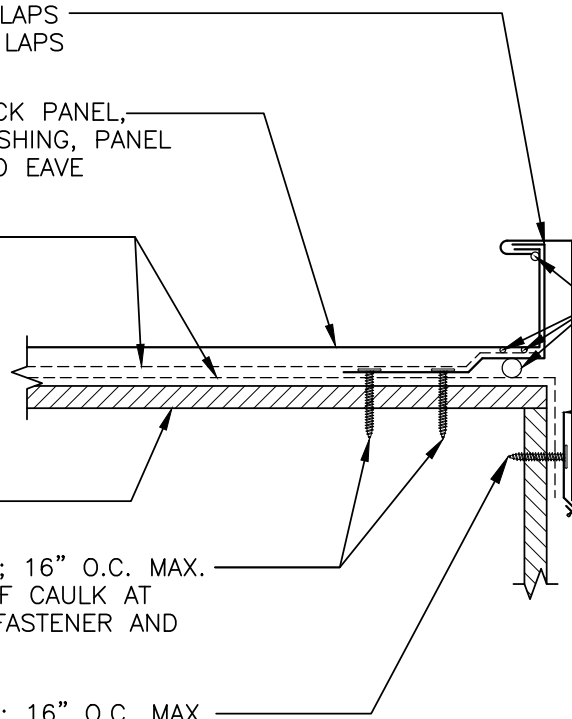
STAINLESS STEEL FASTENERS; 16" O.C. MAX.

CONTINUOUS BEAD OF CAULK

CONTINUOUS CLEAT

STAINLESS STEEL POP RIVETS; 16" O.C. MAX.

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



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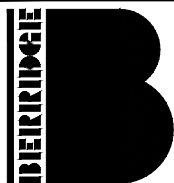
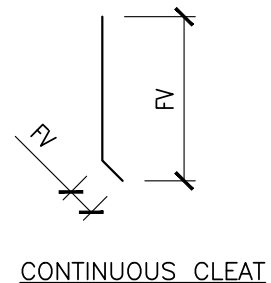
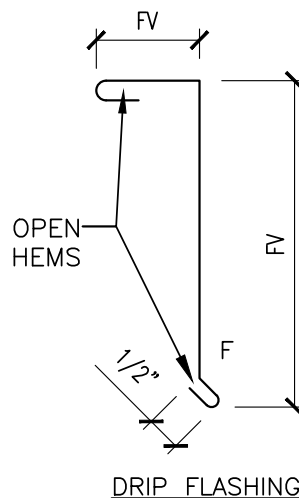
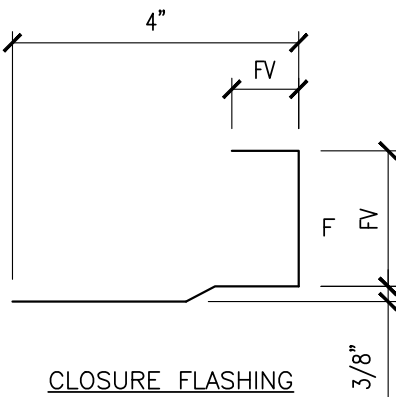
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BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

GABLE DETAIL
CLOSURE FLASHING
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE
TLA-33C

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

CONTINUOUS CLEAT

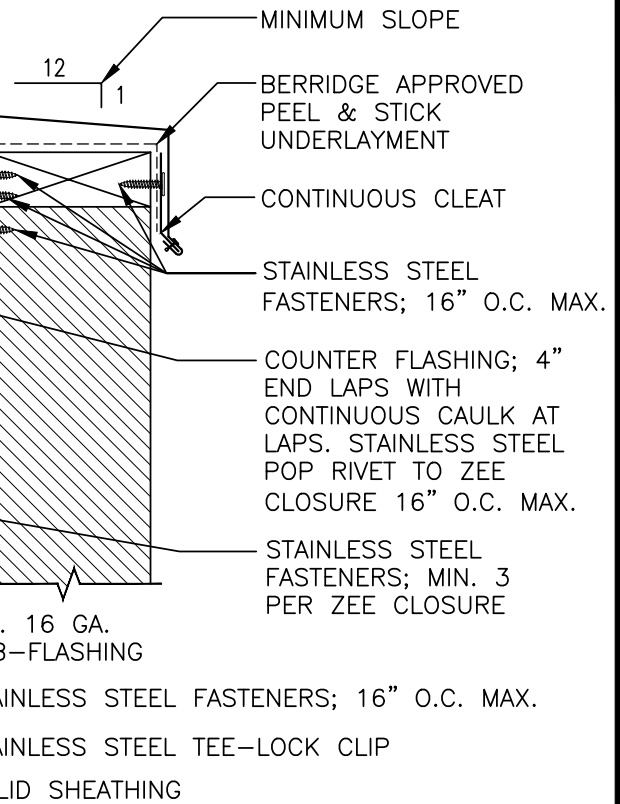
ZEE CLOSURE; REFER TO DETAIL TLA-5.4. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL

BERRIDGE ALUMINUM TEE-LOCK PANEL

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

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER SUB-FLASHING. FULLY COVER 16 GA. SUB-FLASHING WITH A LAYER OF UNDERLAYMENT TO PREVENT ELECTROLYSIS



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

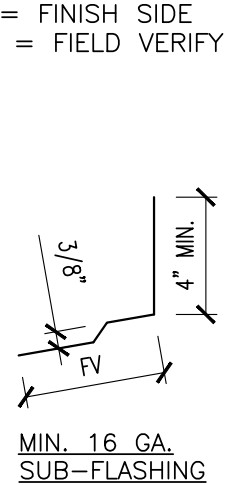
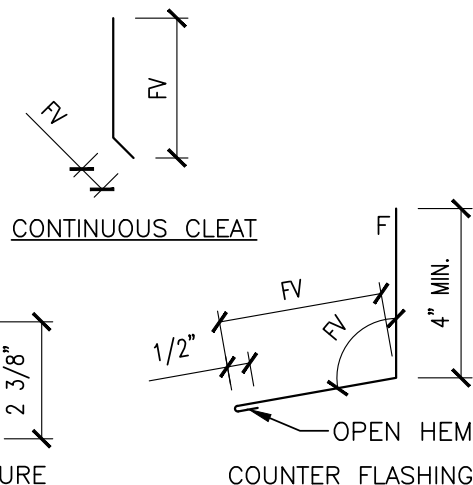
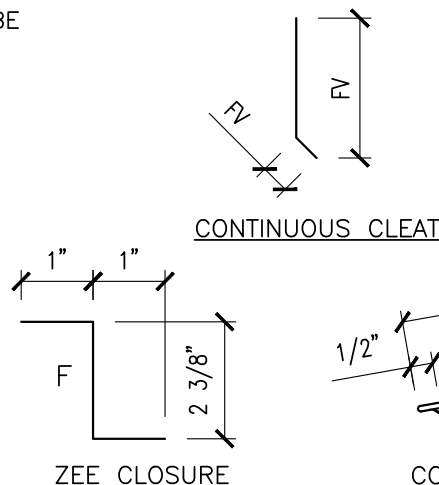
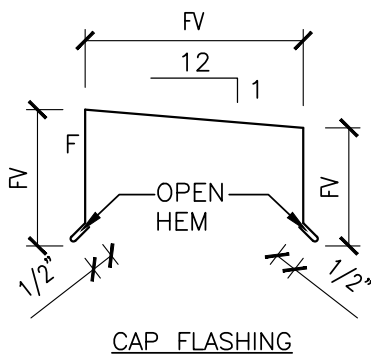
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BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

PARAPET DETAIL
HEAD WALL
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-40

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

CONTINUOUS CLEAT

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

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL

STAINLESS STEEL TEE-LOCK CLIP

SOLID SHEATHING

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

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

12
1
MINIMUM 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

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

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

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

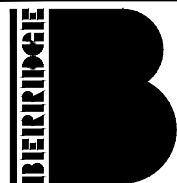
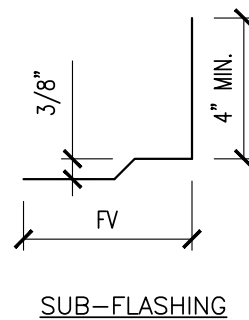
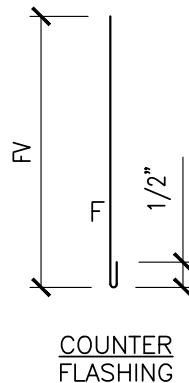
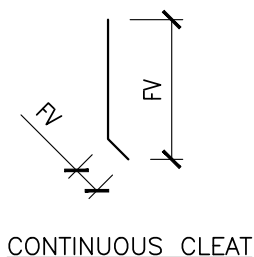
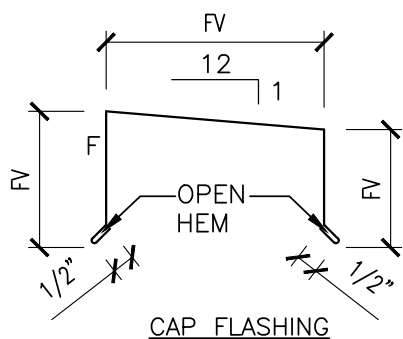
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BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

PARAPET DETAIL
RAKE WALL
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-41

BERRIDGE WALL PANEL OR FASCIA PANEL

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

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

ZEE CLOSURE; REFER TO DETAIL TLA-5.4. CUT TO FIT BETWEEN SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL

BERRIDGE ALUMINUM TEE-LOCK PANEL

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER SUB-FLASHING. FULLY COVER 16 GA. SUB-FLASHING WITH A LAYER OF UNDERLAYMENT TO PREVENT ELECTROLYSIS

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

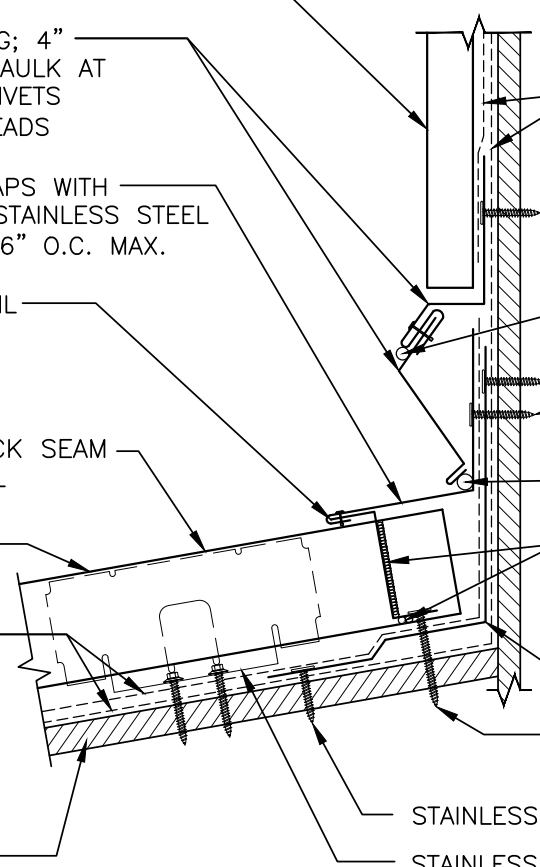
CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND DOUBLE LOCK TEE-LOCK PANEL

MIN. 16 GA. SUB-FLASHING

MIN. 3 FASTENERS PER ZEE CLOSURE

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

STAINLESS STEEL TEE-LOCK CLIP

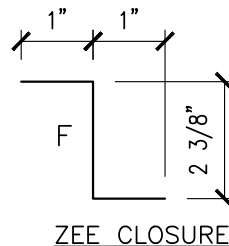


1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.

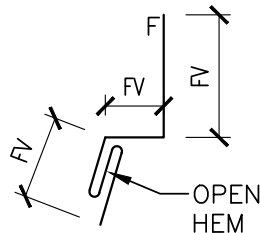
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY FROM THE 4" OVERLAP.

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)

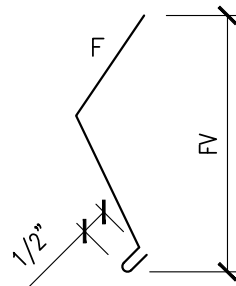
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE



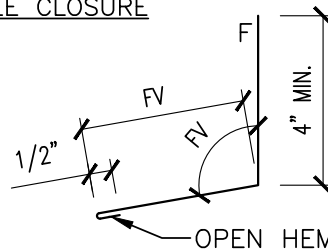
F = FINISH SIDE
FV = FIELD VERIFY



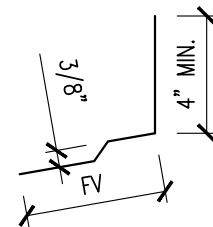
RECEIVER FLASHING



COUNTER FLASHING



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

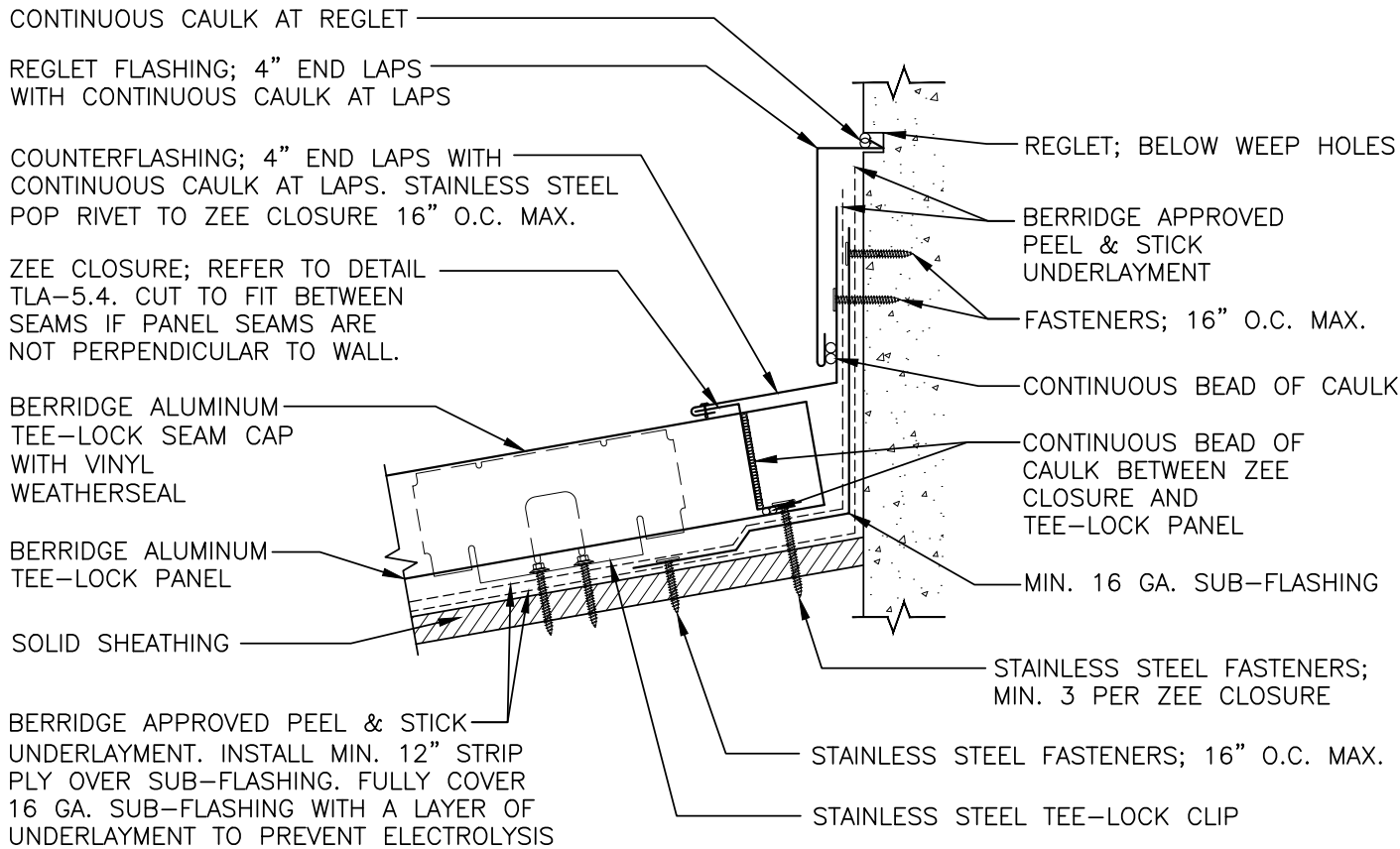
HEAD WALL DETAIL
RECEIVER FLASHING
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

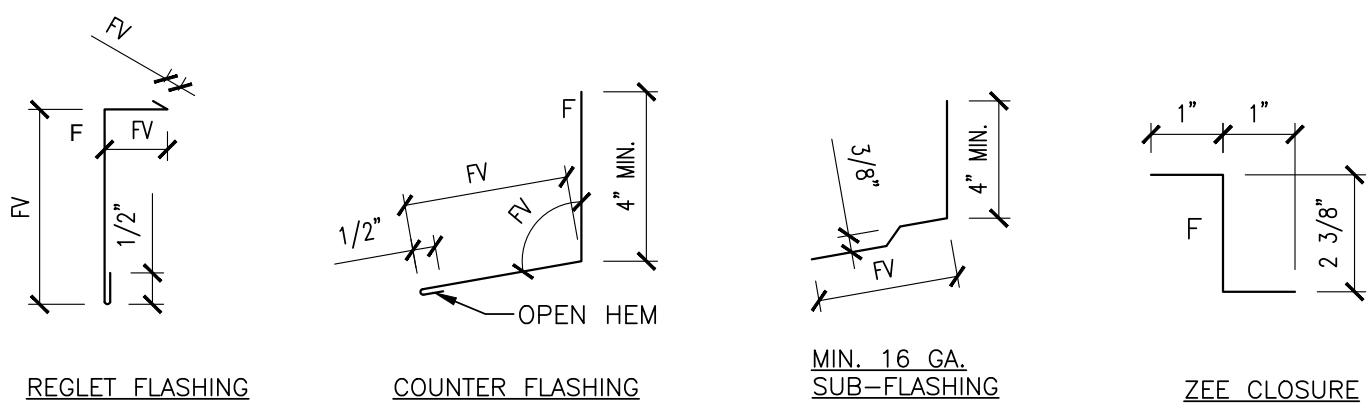
TLA-51PS



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



HEAD WALL DETAIL
REGLET
SOLID SUBSTRATE
ALUMINUM TEE-LOCK PANEL

DATE: 3/21
PAGE\FILE
TLA-51R

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

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

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

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

ZEE CLOSURE; CUT TO FIT BETWEEN SEAMS USE TLA-5.4

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL

BERRIDGE ALUMINUM TEE-LOCK PANEL

STAINLESS STEEL TEE-LOCK CLIP

SOLID SHEATHING

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

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

CONTINUOUS CAULK

CONTINUOUS TAPE SEAL

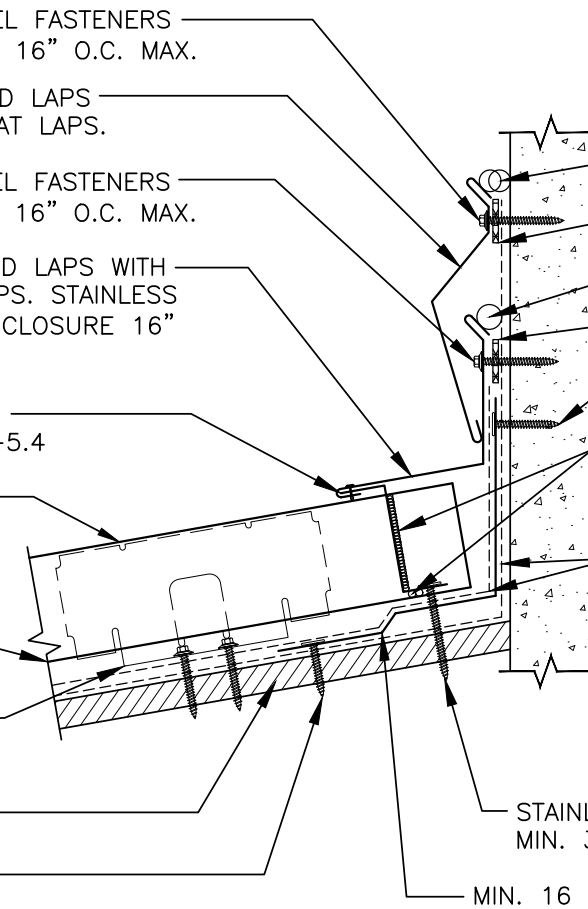
FASTENERS; 16" O.C. MAX.

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

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL MIN. 12" STRIP PLY OVER SUB-FLASHING. FULLY COVER 16 GA. SUB-FLASHING WITH A LAYER OF UNDERLAYMENT TO PREVENT ELECTROLYSIS

STAINLESS STEEL FASTENERS; MIN. 3 PER ZEE CLOSURE

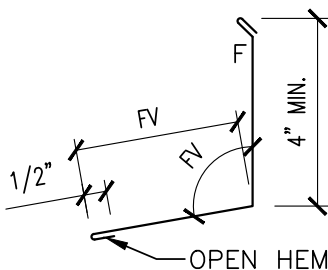
MIN. 16 GA. SUB-FLASHING



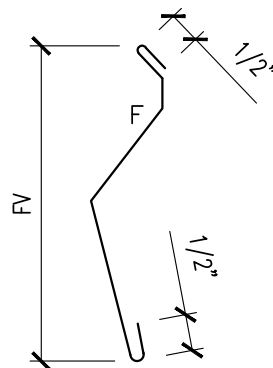
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

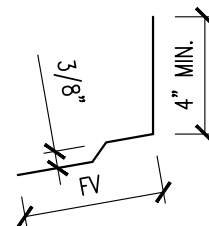
F = FINISH SIDE
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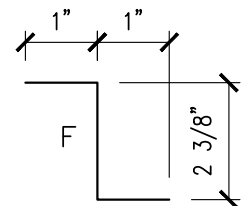
COUNTER FLASHING



SURFACE FLASHING



MIN. 16 GA. SUB-FLASHING



ZEE CLOSURE



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

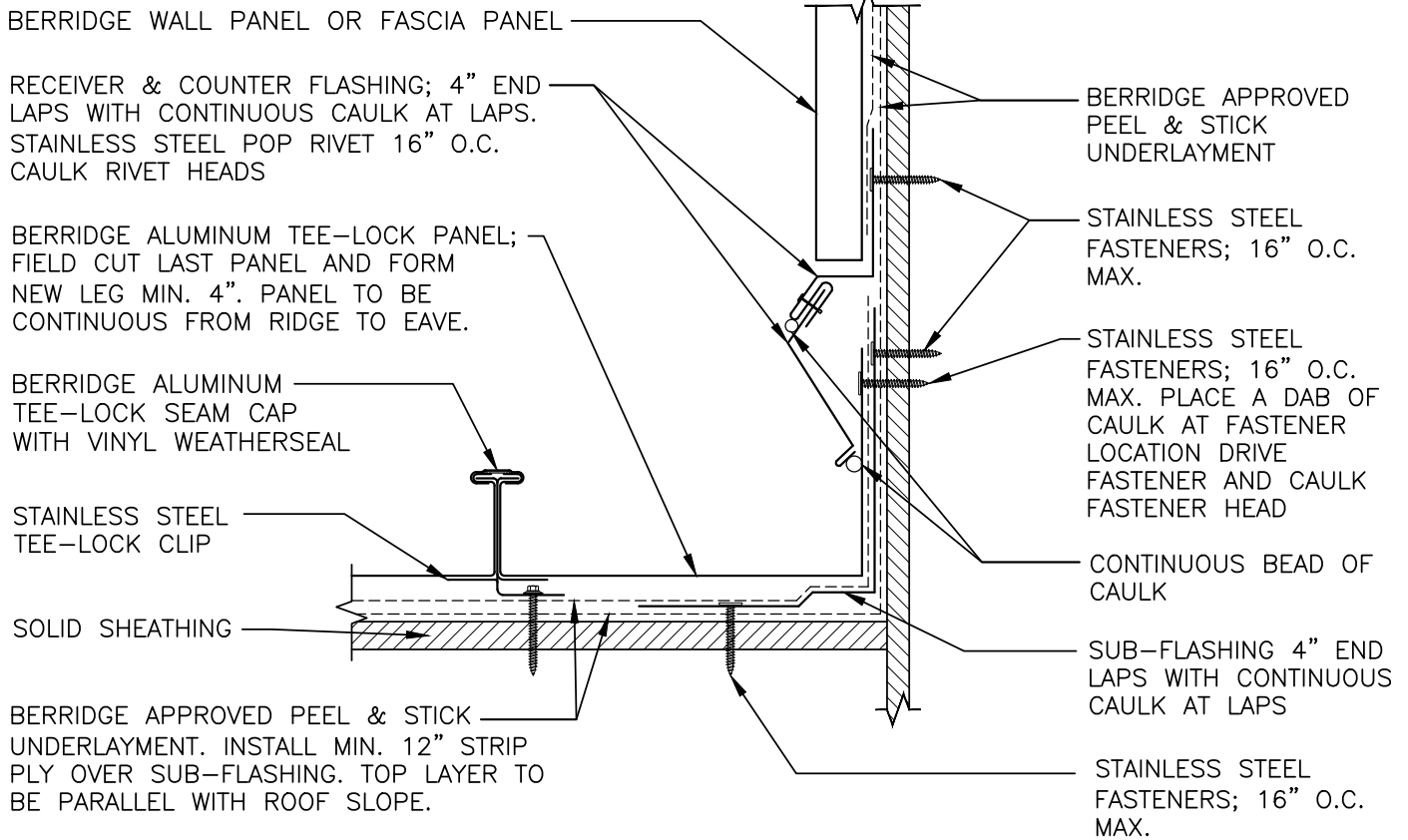
HEAD WALL DETAIL
SURFACE MOUNT
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

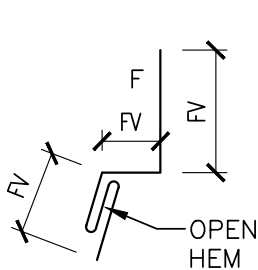
TLA-51SM



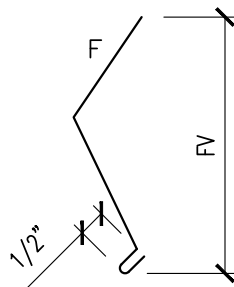
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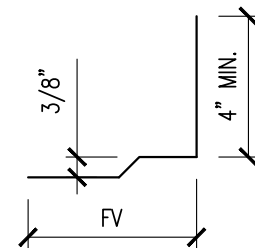
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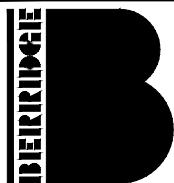
RECIEVER FLASHING



COUNTER FLASHING



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

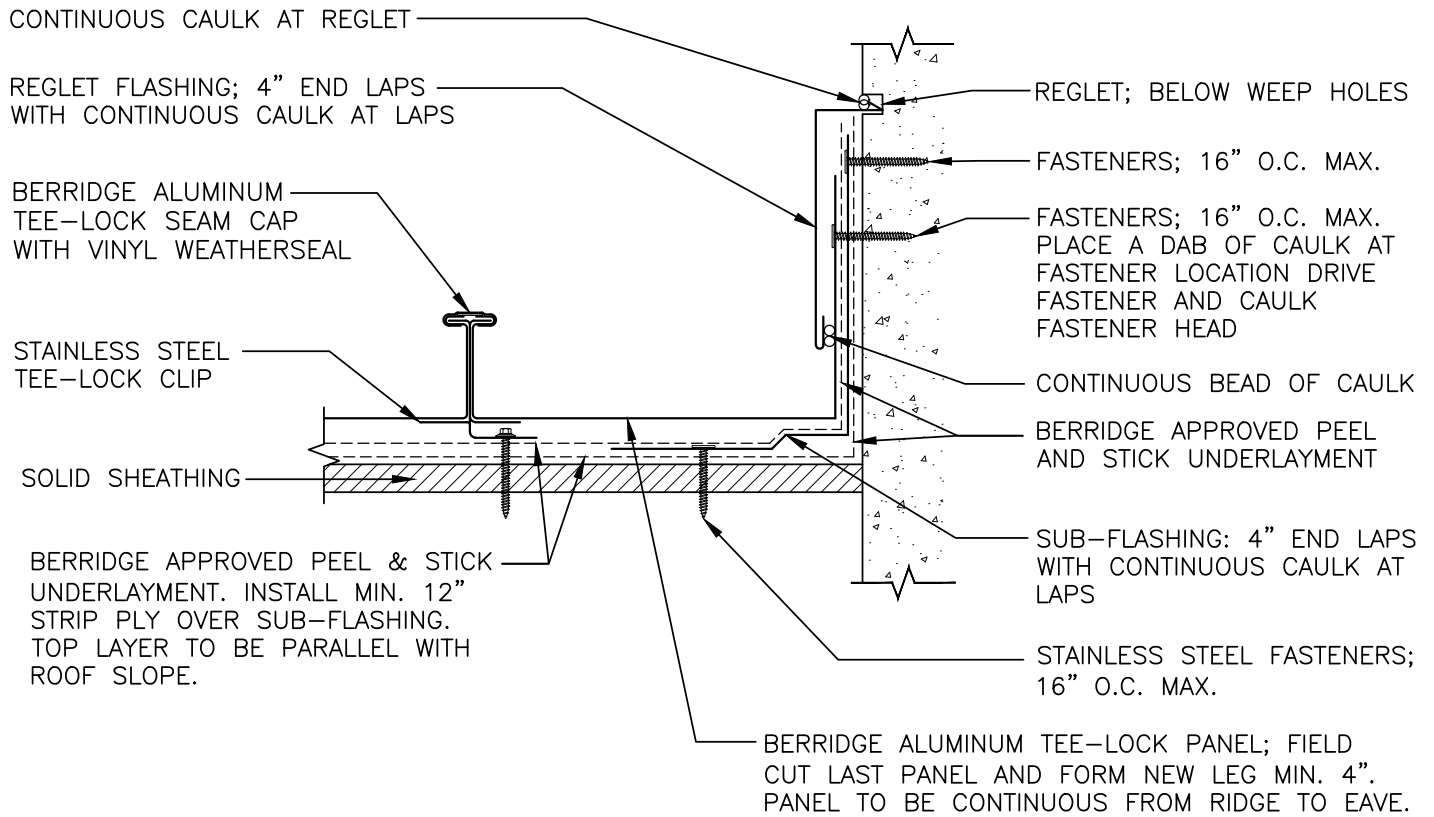
RAKE WALL DETAIL
RECIEVER FLASHING
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

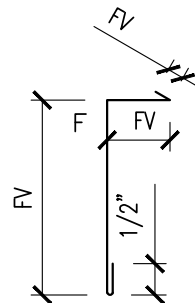
TLA-53PS



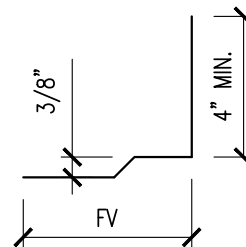
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

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FV = FIELD VERIFY



REGLET FLASHING



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

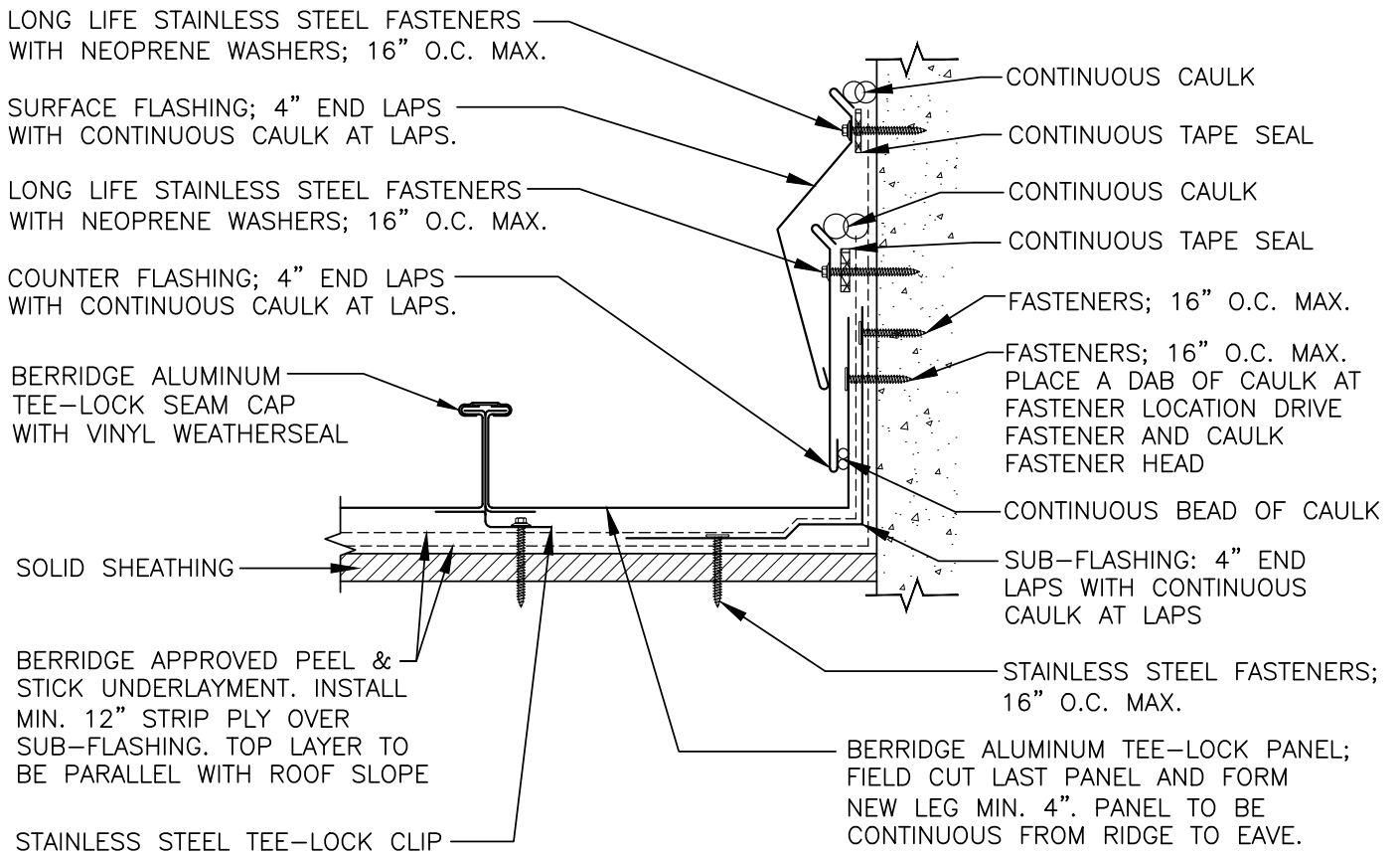
RAKE WALL DETAIL
REGLET
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

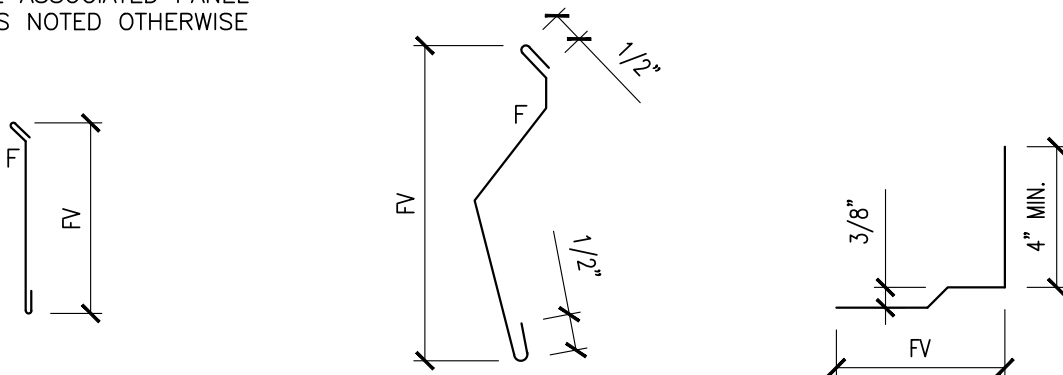
TLA-53R



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FV = FIELD VERIFY



COUNTER FLASHING

SURFACE FLASHING

SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

RAKE WALL DETAIL
SURFACE MOUNT
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-53SM

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL. FIELD CUT AND FOLD DOWN TAB OF SEAM CAP (OPTIONAL).

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

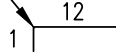
STAINLESS STEEL TEE-LOCK CLIP

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. STAINLESS STEEL POP RIVET TO ZEE CLOSURE 16" O.C. MAX. CAULK RIVET HEADS



ZEE CLOSURE; REFER TO DETAIL TLA-5.4

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

BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT. INSTALL 36" OR FULL ROLL STRIP OVER TRANSITION FLASHING. FULLY COVER 16 GA. HAT CHANNEL WITH A LAYER OF UNDERLAYMENT TO PREVENT ELECTROLYSIS

SOLID SHEATHING

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

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND ROOF PANEL

MIN. 16 GA. HAT CHANNEL WITH STAINLESS STEEL FASTENERS @ 16" O.C. MAX.

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.

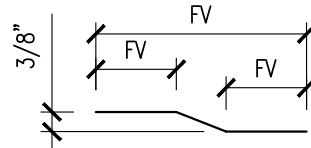
DO NOT: RUN A CONTINUOUS BEAD OF CAULK ON CLEAT OR UNDER CLEAT

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.

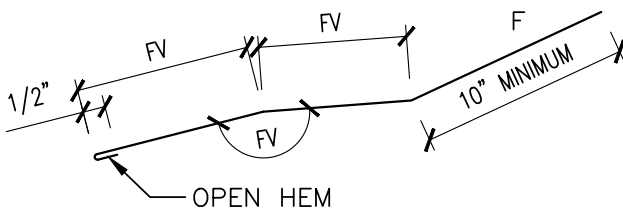
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NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

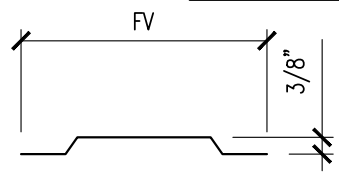


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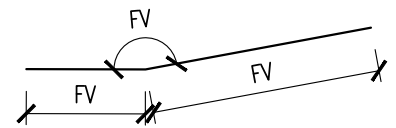
CONTINUOUS CLEAT



TRANSITION FLASHING



MIN. 16 GA. HAT CHANNEL



SUB-FLASHING



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

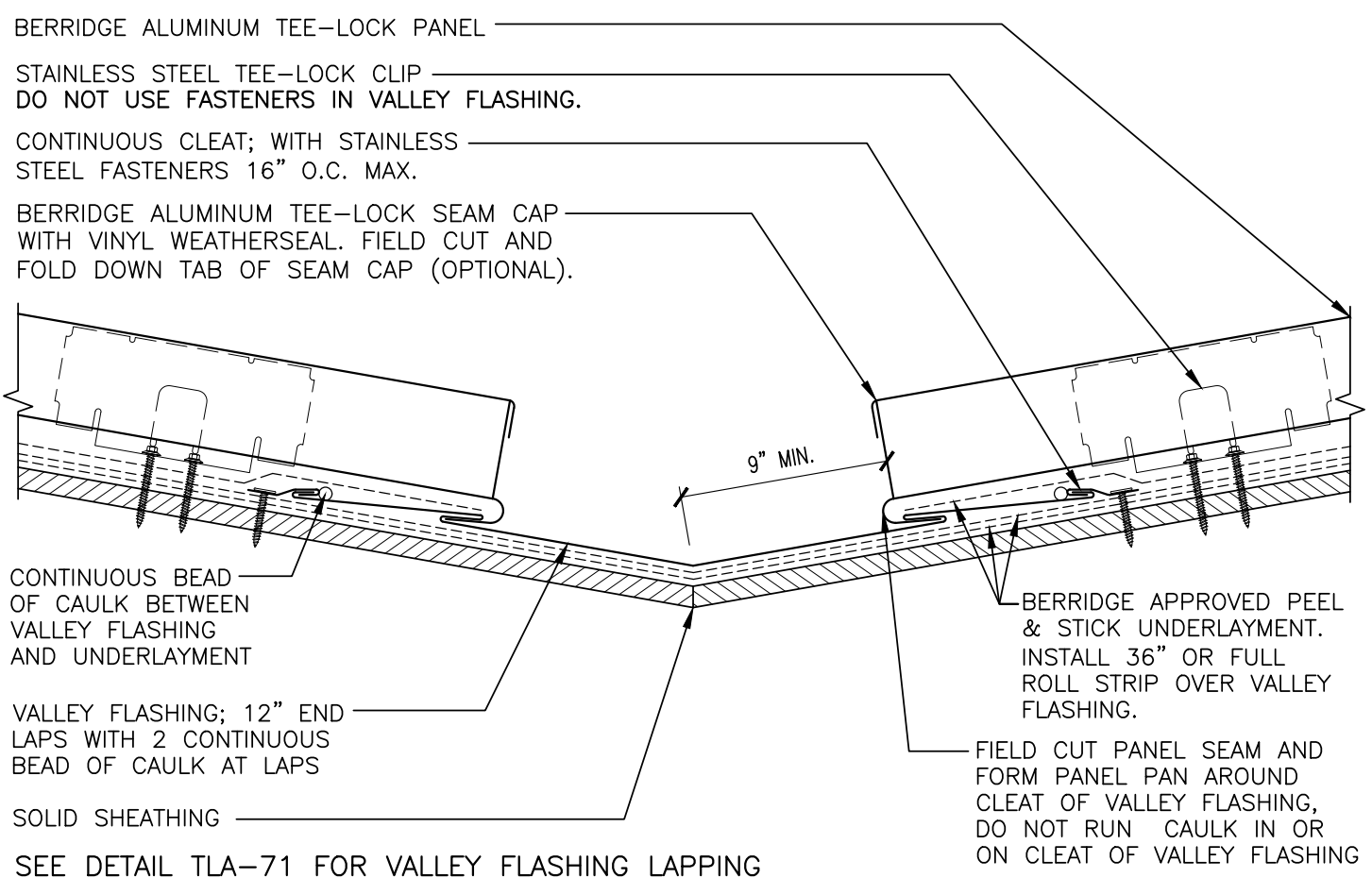
SLOPE TRANSITION DETAIL
SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-61



BERRIDGE ALUMINUM TEE-LOCK PANEL
 STAINLESS STEEL TEE-LOCK CLIP
 DO NOT USE FASTENERS IN VALLEY FLASHING.
 CONTINUOUS CLEAT; WITH STAINLESS
 STEEL FASTENERS 16" O.C. MAX.

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP
 WITH VINYL WEATHERSEAL. FIELD CUT AND
 FOLD DOWN TAB OF SEAM CAP (OPTIONAL).

CONTINUOUS BEAD
 OF CAULK BETWEEN
 VALLEY FLASHING
 AND UNDERLAYMENT

VALLEY FLASHING; 12" END
 LAPS WITH 2 CONTINUOUS
 BEAD OF CAULK AT LAPS

SOLID SHEATHING

9" MIN.

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

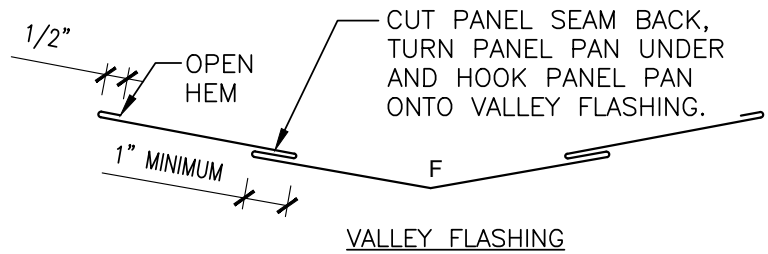
FIELD CUT PANEL SEAM AND
 FORM PANEL PAN AROUND
 CLEAT OF VALLEY FLASHING,
 DO NOT RUN CAULK IN OR
 ON CLEAT OF VALLEY FLASHING

SEE DETAIL TLA-71 FOR VALLEY FLASHING LAPPING

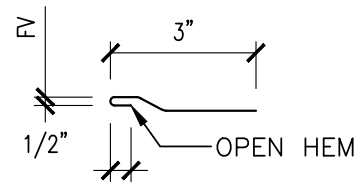
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NOTE: ALL FLASHING GAUGES TO BE
 EQUAL TO THE ASSOCIATED PANEL
 GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
 FV = FIELD VERIFY



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



CONTINUOUS CLEAT

BERRIDGE
 MANUFACTURING
 COMPANY

Roofs of Distinction

VALLEY DETAIL
 SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE
 TLA-70

BERRIDGE ALUMINUM TEE-LOCK SEAM CAP WITH VINYL WEATHERSEAL. FIELD CUT AND FOLD DOWN TAB OF SEAM CAP (OPTIONAL).

BERRIDGE ALUMINUM TEE-LOCK PANEL

STAINLESS STEEL TEE-LOCK CLIP

CONTINUOUS CLEAT

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

CONTINUOUS BEAD OF CAULK DO NOT RUN CONTINUOUS CAULK IN OR UNDER CLEAT OF VALLEY FLASHING EXCEPT AT VALLEY FLASHING LAPS.

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

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

12" LAP

2 CONTINUOUS BEADS OF CAULK AT LAPS



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

VALLEY DETAIL; ISOMETRIC
OPEN FRAMING &
SOLID SUBSTRATE

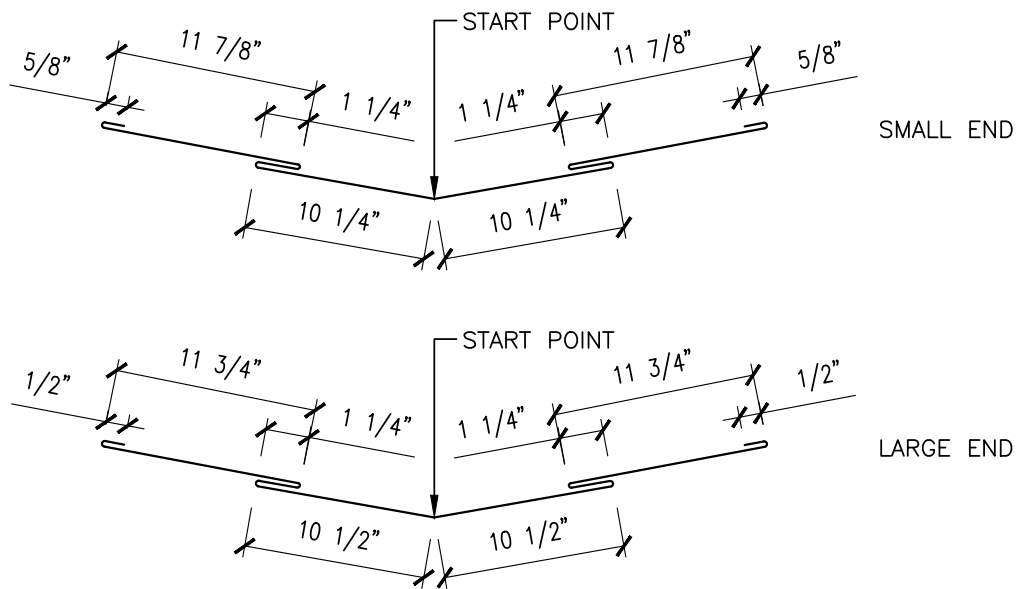
ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

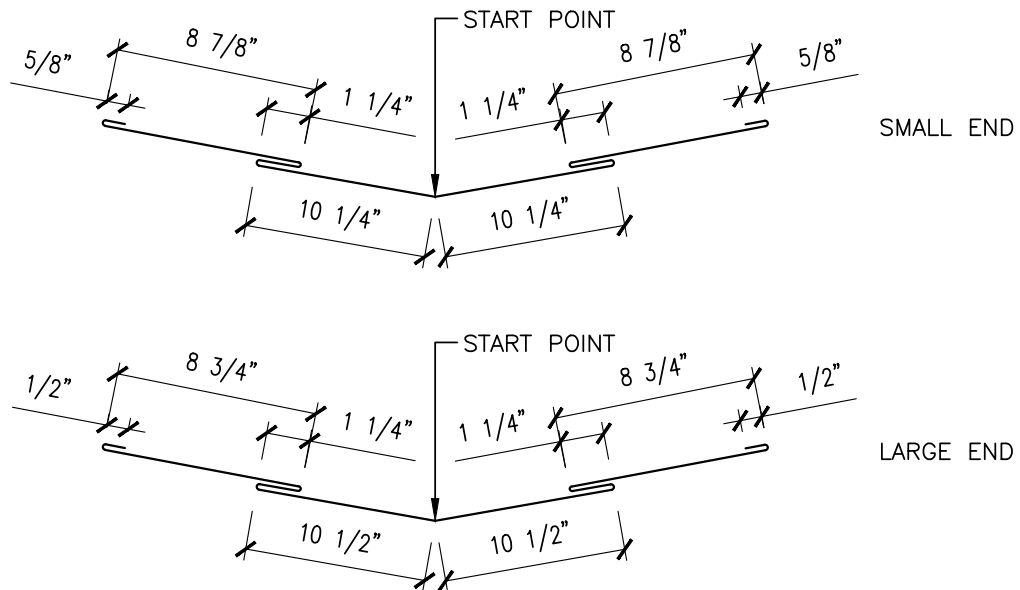
TLA-71

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

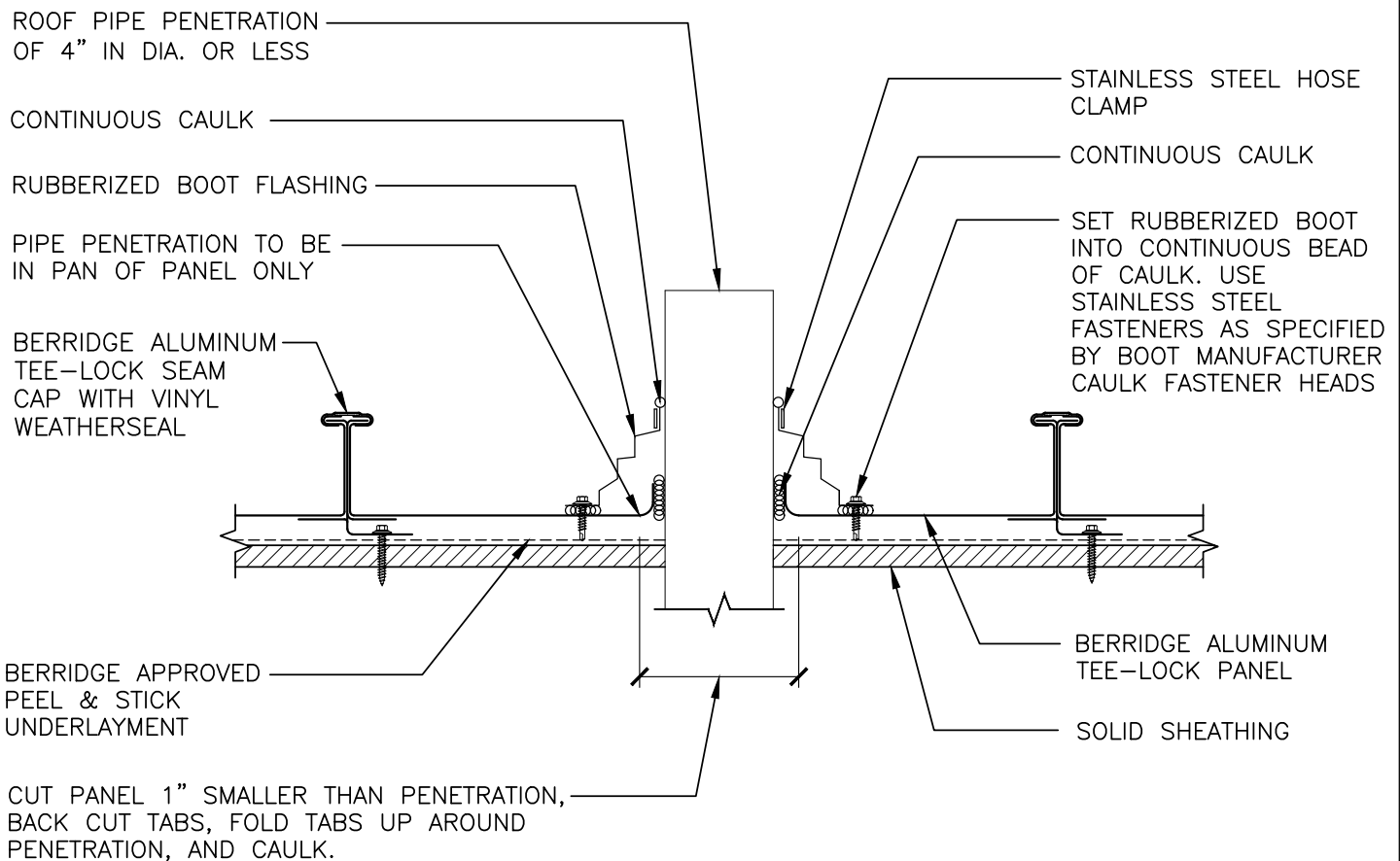
TAPERED VALLEY DETAIL
W/O OUT DIVERTER

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-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

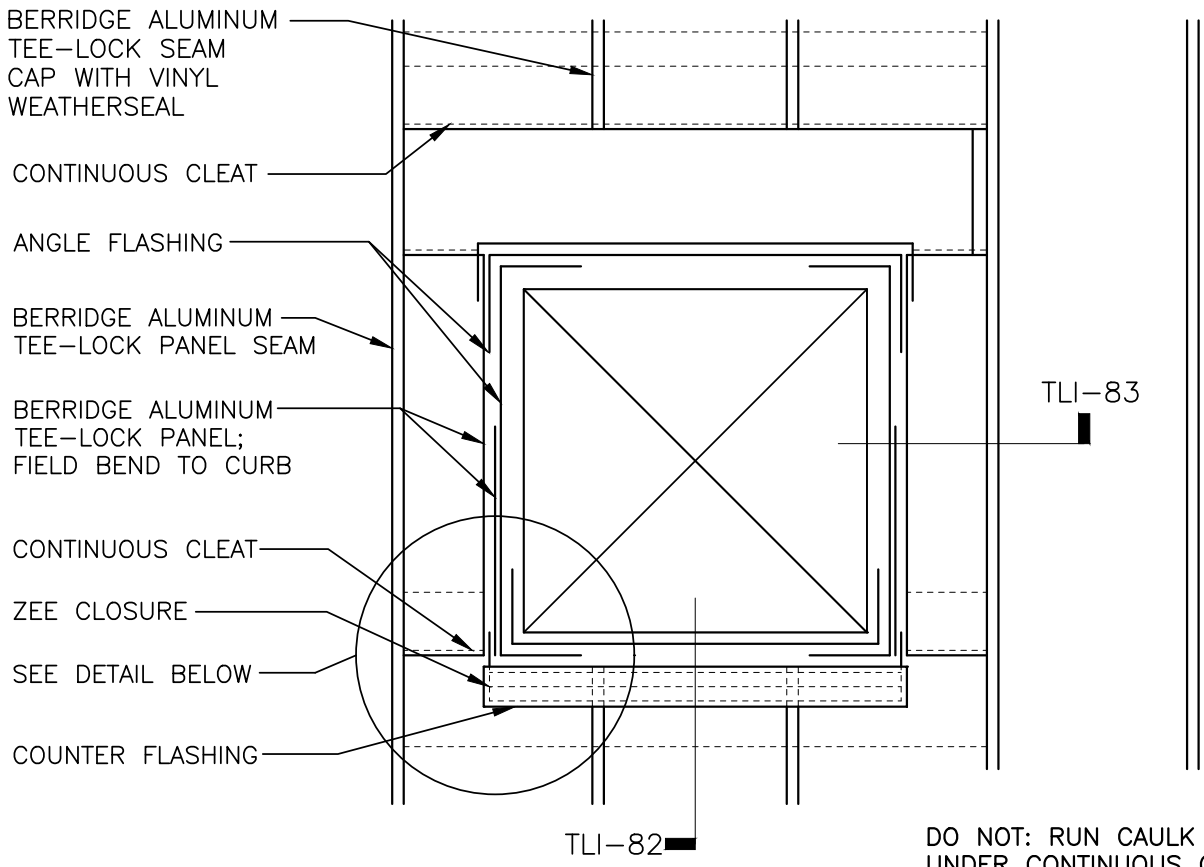
PIPE PENETRATION
(PREFERRED METHOD)
IN PAN OF PANEL ONLY
OPEN FRAMING AND SOLID SUBSTRATE

ALUMINUM TEE-LOCK PANEL

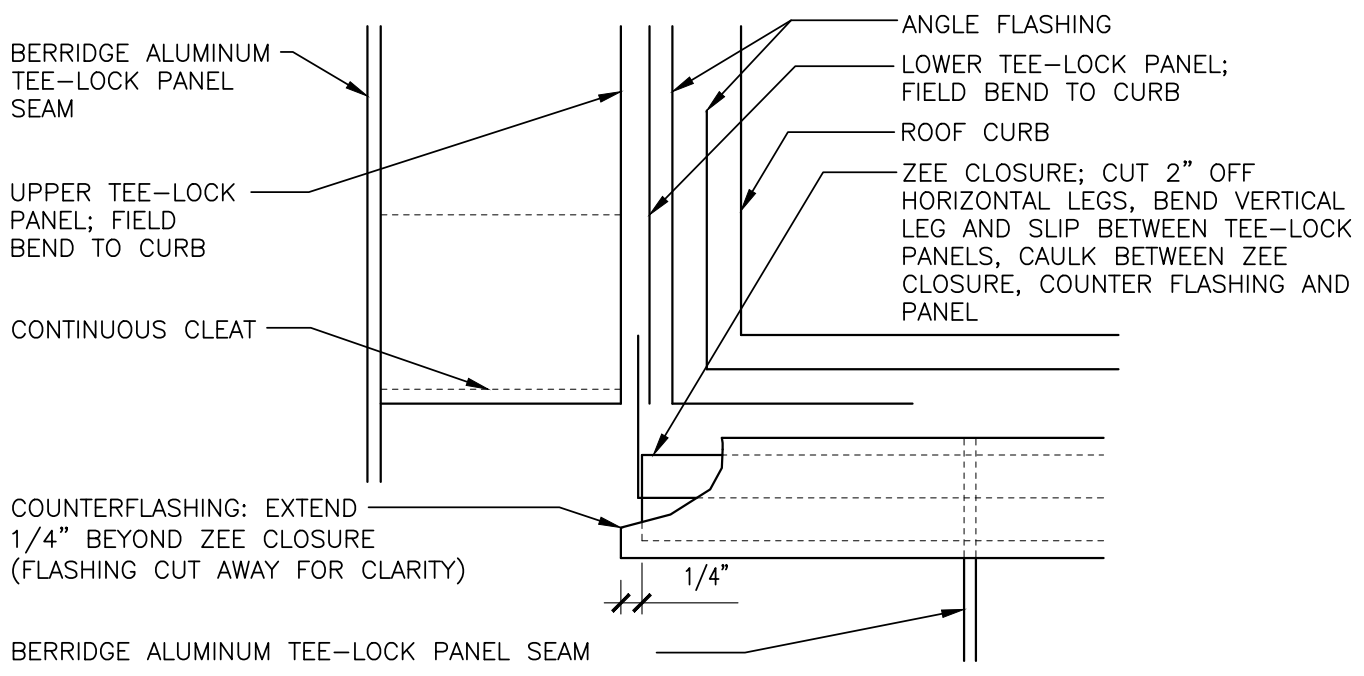
DATE: 3/21

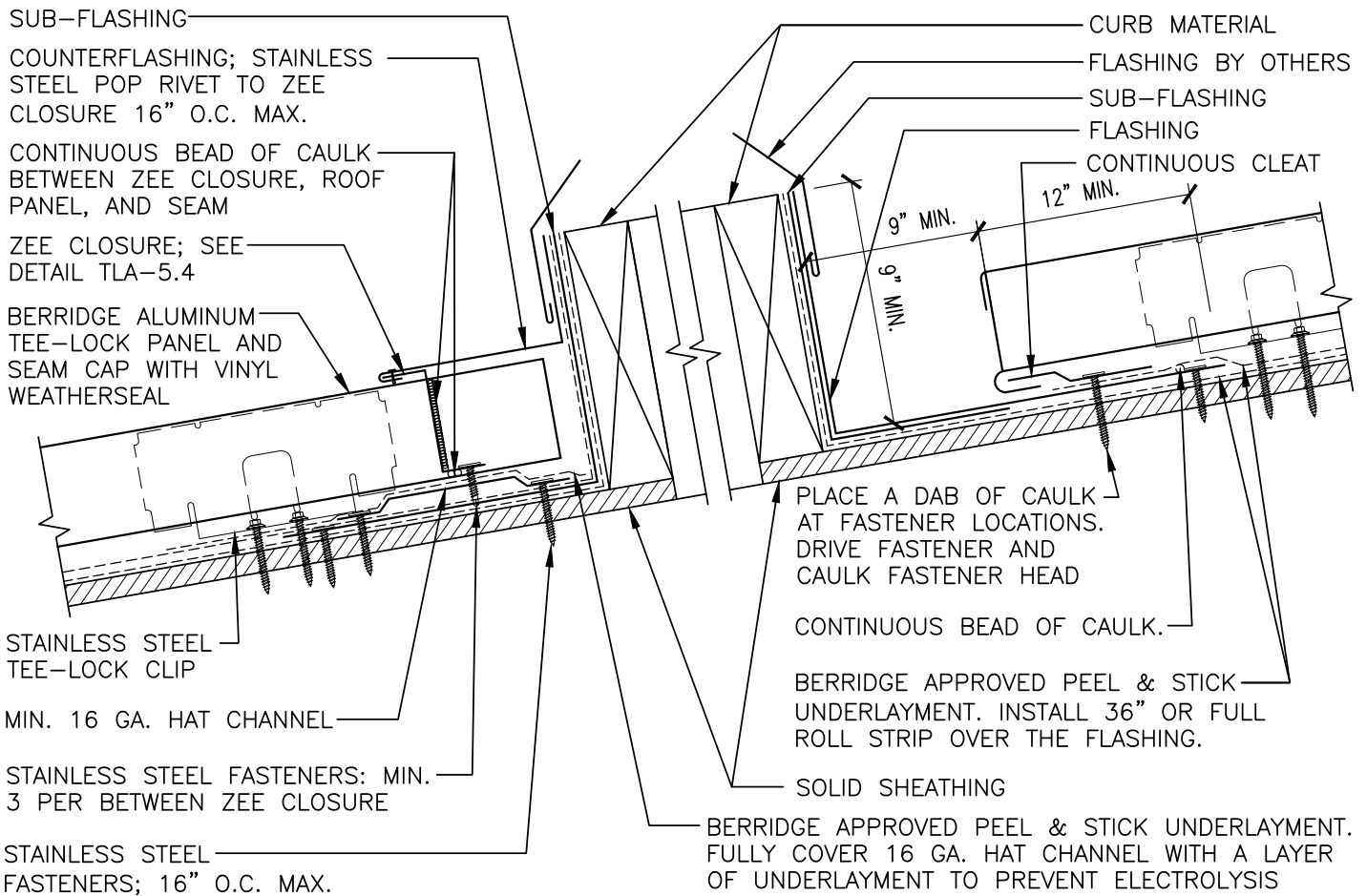
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TLA-80



DO NOT: RUN CAULK ON OR UNDER CONTINUOUS CLEAT

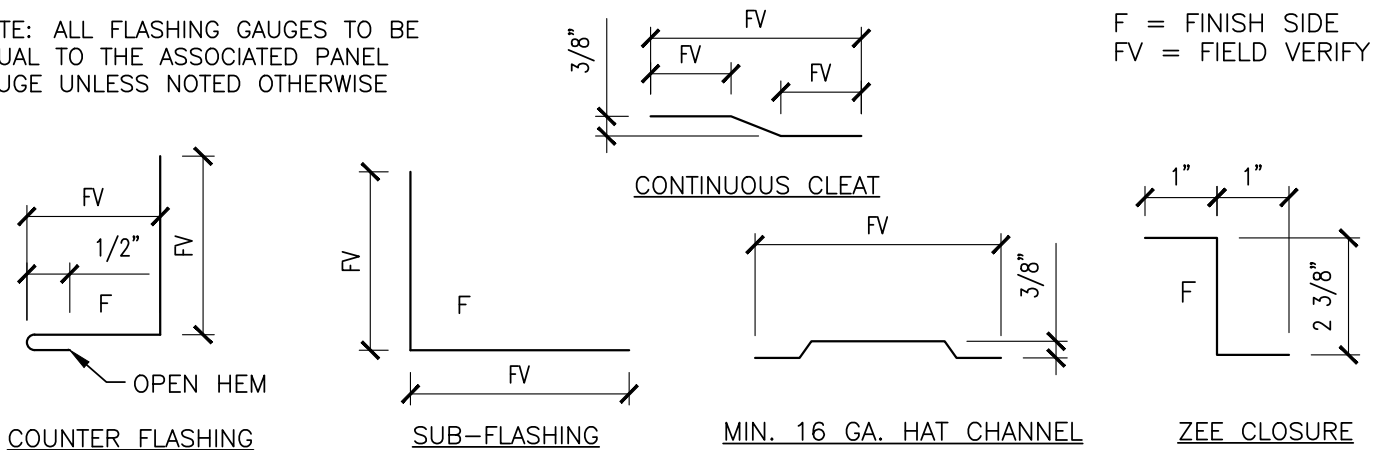




NOTE: DO NOT RUN A CONTINUOUS BEAD OF CAULK IN CLEAT OR UNDER CLEAT.

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.
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



BERRIDGE
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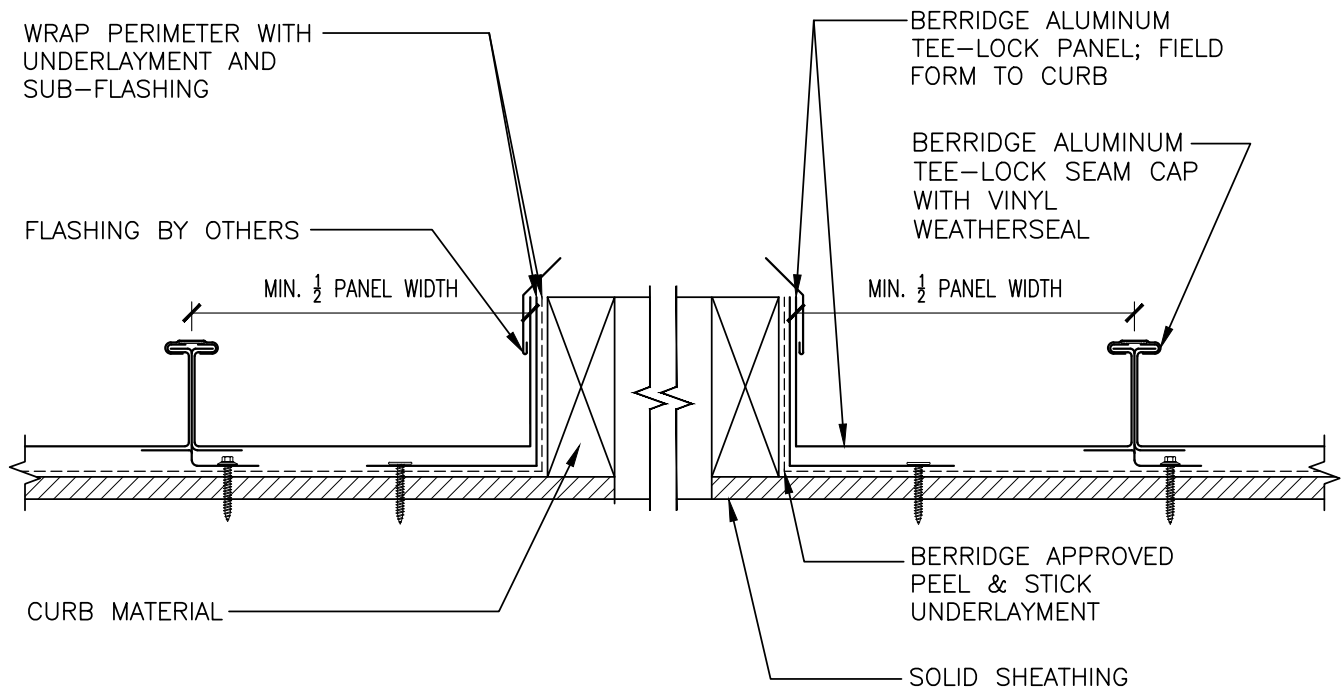
Roofs of Distinction

SQUARE PENETRATION
SECTION A
OPEN FRAMING AND SOLID SUBSTRATE
ALUMINUM TEE-LOCK PANEL

DATE: 3/21

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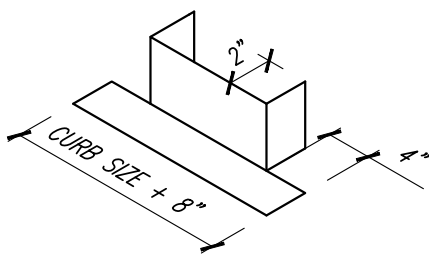
TLA-82



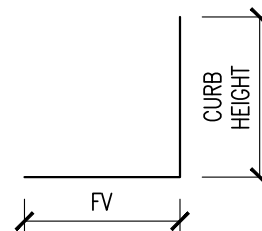
1. SOLID SHEATHING (NOT BY BERRIDGE) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS MINIMUM REQUIREMENTS, REFERENCE INSTALLATION INSTRUCTIONS.
2. INSTALL ALUMINUM FLASHINGS WITH A 1/4" GAP BETWEEN NOTCH AND OVERLAP IN THE LAPS FOR THERMAL MOVEMENT. ALL ALUMINUM FLASHINGS MUST BE FASTENED 5" AWAY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



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Roofs of Distinction

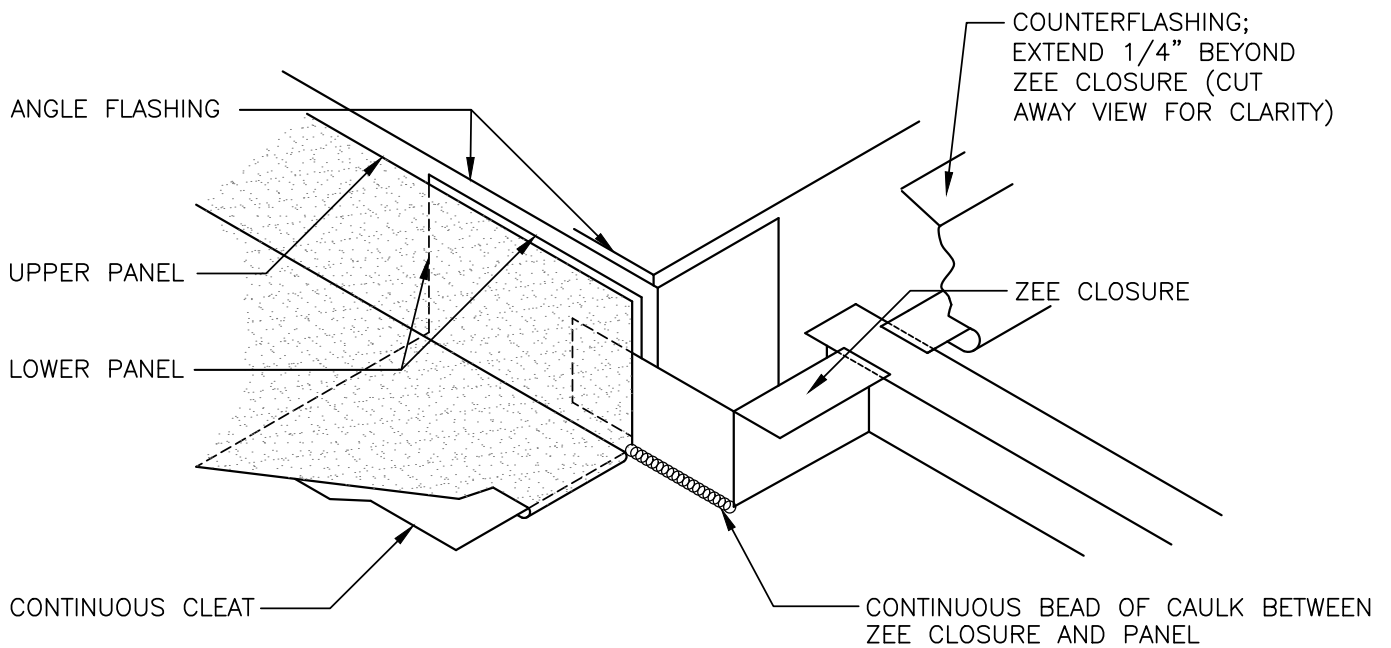
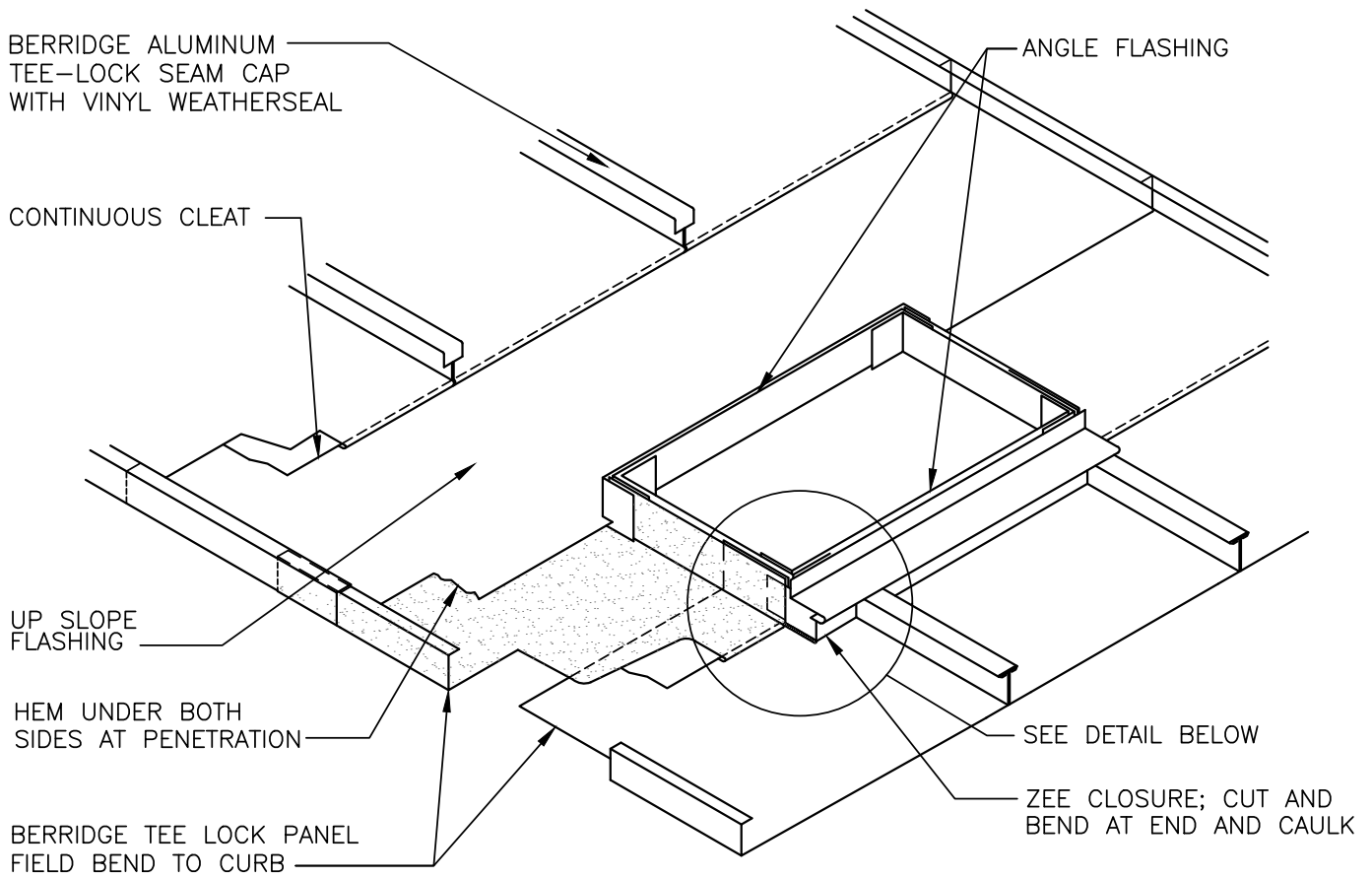
SQUARE PENETRATION
SECTION B
OPEN FRAMING AND SOLID SUBSTRATE
ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-83

DO NOT: RUN CONTINUOUS CAULK ON OR UNDER CONTINUOUS CLEAT



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Roofs of Distinction

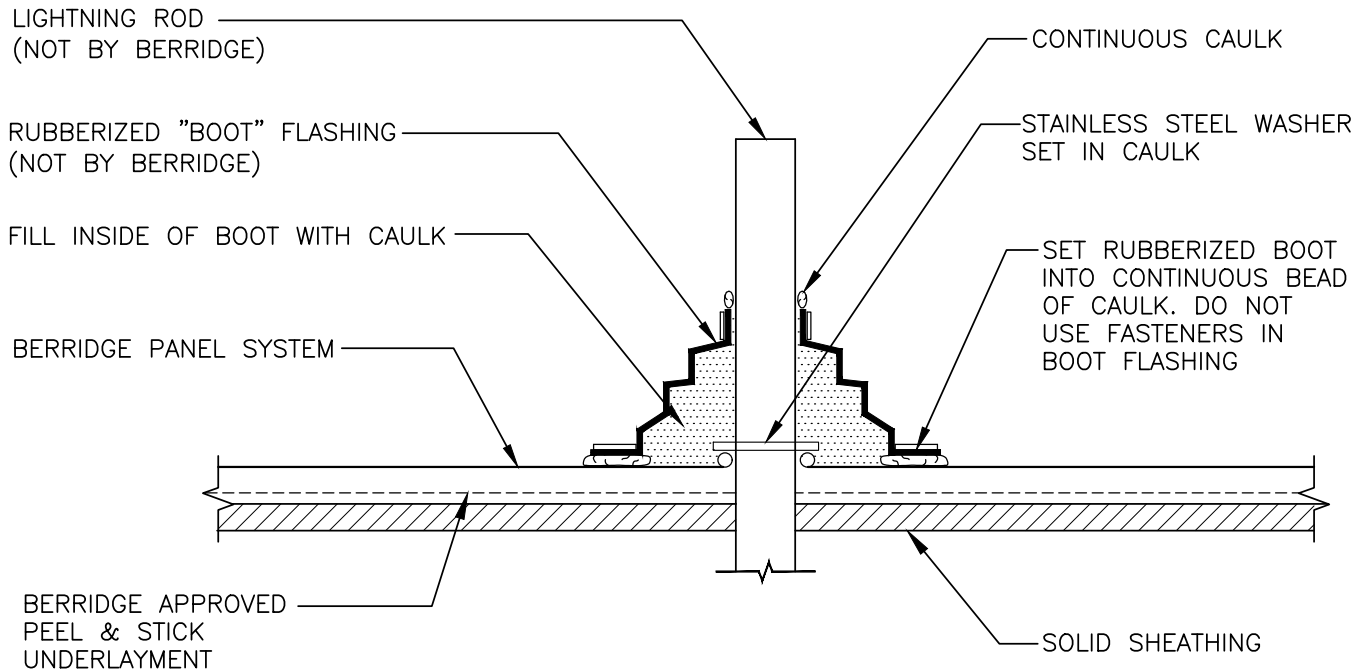
SQUARE PENETRATION
ISOMETRIC
OPEN FRAMING AND SOLID SUBSTRATE
ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-84

USE ONLY STAINLESS STEEL OR ALUMINUM LIGHTNING RODS



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

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

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

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

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



BERRIDGE
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Roofs of Distinction

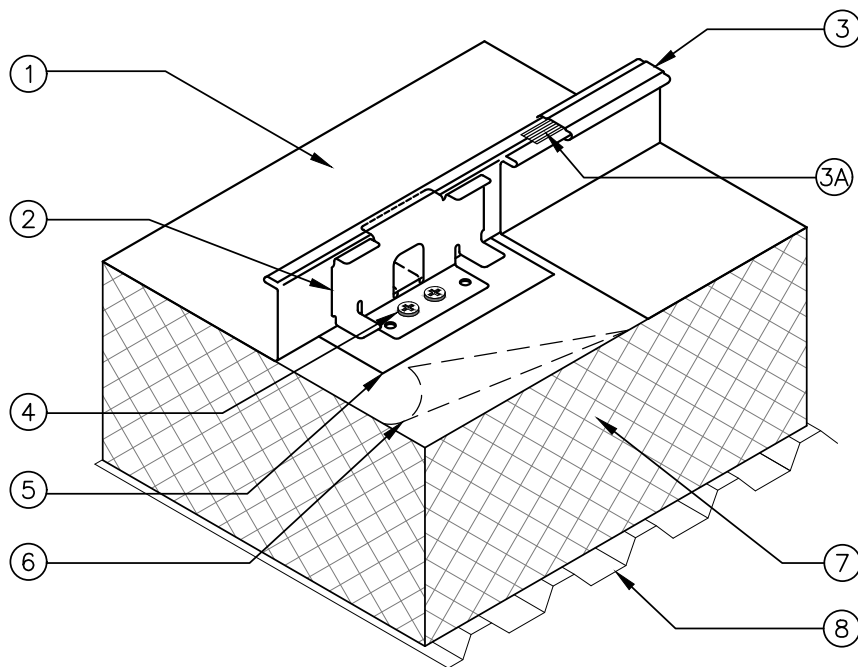
LIGHTNING ROD
(IF APPLICABLE)

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-89



1. BERRIDGE ALUMINUM TEE-LOCK PANEL * - 0.032" COATED ALUMINUM, 18" WIDE, 2 $\frac{3}{8}$ " HIGH, CONTINUOUS OVER TWO OR MORE SPANS. FLOATING END LAPS TO OCCUR OVER PURLINS WITH PANELS OVERLAPPED 8". END LAPS TO BEGIN 3" FROM PURLIN WEB AND EXTEND ACROSS PURLIN FLANGE.

BERRIDGE MANUFACTURING CO. - "TEE-LOCK PANEL"

2. BERRIDGE STAINLESS STEEL TEE-LOCK CLIPS: NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) STAINLESS STEEL, 6" LONG BY 2.718" HIGH. BASE TO HAVE FOUR 0.281" DIAMETER GUIDE HOLES TO ACCOMMODATE SCREW FASTENERS. CLIPS SPACED 48" ON CENTER AT EACH SIDE LAP.
3. BERRIDGE TEE-LOCK SEAM CAP: NOMINAL 1" WIDE X $\frac{1}{2}$ " DEEP FABRICATED FROM NO.032" COATED ALUMINUM. CAP CONTINUOUSLY SEAMED OVER PANEL SEAMS USING AN ELECTRIC SEAMING TOOL.
 - 3A. AN OPTIONAL VINYL WEATHERSEAL MAY BE USED IN SEAM CAP.
4. FASTENERS (SCREWS): #12 SELF-TAPPING, HEX HEAD, STEEL SCREWS WITHOUT WASHERS OR 1/4-13 WITH NO. 3 PHILLIPS HEAD DECK SCREW. TWO FASTENERS PER CLIP.
5. CLIP BEARING PLATE: 6" X 6" NO. 22 MSG (MIN. YEILD STRENGTH 40,000 PSI) COATED STEEL, USED WITH RIGID INSULATION ONLY.
6. FELT PAPER: TWO PLY, NO. 30 LB. PER 100 SQ. FT.
7. FOAMED PLASTIC: MAX 4" THICK, 2.25 PCF DENSITY 20 PSF COMPRESSIVE STRENGTH RIGID CLOSED CELL POLYISOCYANURATE CORE FIBERGLASS FACED INSULATION.
8. SUBSTRUCTURE (LINER): NO. 22 MSG (MIN. YEILD STRENGTH 33,000 PSI) COATED STEEL WITH A MINIMUM $\frac{15}{16}$ " DEPTH AND A MAXIMUM PITCH OF 7.2 IN.
9. PURLINS: (NOT SHOWN) COLD FORMED STEEL SECTIONS OR STRUCTURAL STEEL COMPONENTS. MINIMUM GAUGE AND YEILD STRENGTH TO BE DEPENDENT ON DESIGN REQUIREMENTS.



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Roofs of Distinction

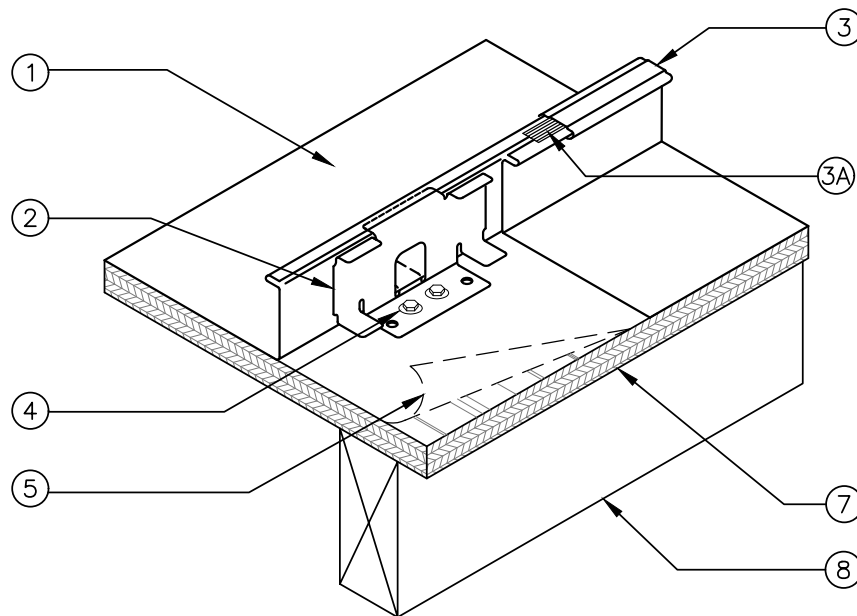
UL90 APPROVED ASSEMBLY
NO. 268A. TEE-LOCK PANEL
THROUGH RIGID BOARD AND INTO
22 GA. STRUCTURAL METAL DECK

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

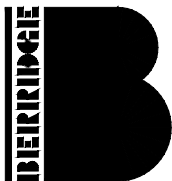
TLA-91



1. BERRIDGE ALUMINUM TEE-LOCK PANEL * - 0.032" COATED ALUMINUM, 18" WIDE, $2\frac{3}{8}$ " HIGH, CONTINUOUS OVER THREE OR MORE SPANS WITH NO END LAPS.

BERRIDGE MANUFACTURING CO. - "TEE-LOCK PANEL"

2. BERRIDGE STAINLESS STEEL TEE-LOCK CLIPS: NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) STAINLESS STEEL, 6" LONG BY 2.718" HIGH. BASE TO HAVE FOUR 0.281" DIAMETER GUIDE HOLES TO ACCOMMODATE SCREW FASTENERS. CLIPS SPACED 5'0" ON CENTER AT EACH SIDE LAP.
3. BERRIDGE TEE-LOCK SEAM CAP: NOMINAL 1" WIDE X $\frac{1}{2}$ " DEEP FABRICATED FROM 0.032" COATED ALUMINUM. CAP CONTINUOUSLY SEAMED OVER PANEL SEAMS USING AN ELECTRIC SEAMING TOOL.
 - 3A. AN OPTIONAL VINYL WEATHERSEAL MAY BE USED IN SEAM CAP.
4. FASTENERS (SCREWS): #14X1" TYPE A STEEL SCREW WITHOUT WASHER OR #12-11 LOW PROFILE #3 SQUARE DRIVE WOOD SCREW. TWO FASTENERS PER CLIP.
5. FELT PAPER: TWO PLY, NO. 30 LB. PER 100 SQ. FT.
6. SUBSTRUCTURE (PLYWOOD): NOMINAL $1\frac{19}{32}$ " THICK PLYWOOD APA RATED SHEATHING (42/20) SQUARE EDGED. BUTT ENDS NOT BLOCKED. ALL BUTT AND SIDE JOINTS TO BE SEALED AGAINST LEAKAGE BY USING TAPE AND/OR CAULK.
7. SUPPORTS: SPACED MAX. 24" ON CENTER. MAY BE ONE OF THE FOLLOWING:
 - A. NOMINAL 2X6", NO. 2 GRADE OR BETTER S-P-F, HEMLOCK FIR, DOUGLAS FIR, OR SOUTHER YELLOW PINE, OR EQUIVALENT
 - B. WOOD TRUSSES WITH A NOMINAL 2X4" UPPER CHORD OF THE SAME GRADE AS ITEM A.
 - C. NO. 22 MSG MIN. (MIN. YEILD STRENGTH 3,000 PSI) COLD FORMED COATED STEEL.



BERRIDGE
MANUFACTURING
COMPANY

Roofs of Distinction

UL90 APPROVED ASSEMBLY
NO. 268B. TEE-LOCK PANEL
OVER $1\frac{19}{32}$ " PLYWOOD SHEATHING

ALUMINUM TEE-LOCK PANEL

DATE: 3/21

PAGE\FILE

TLA-92