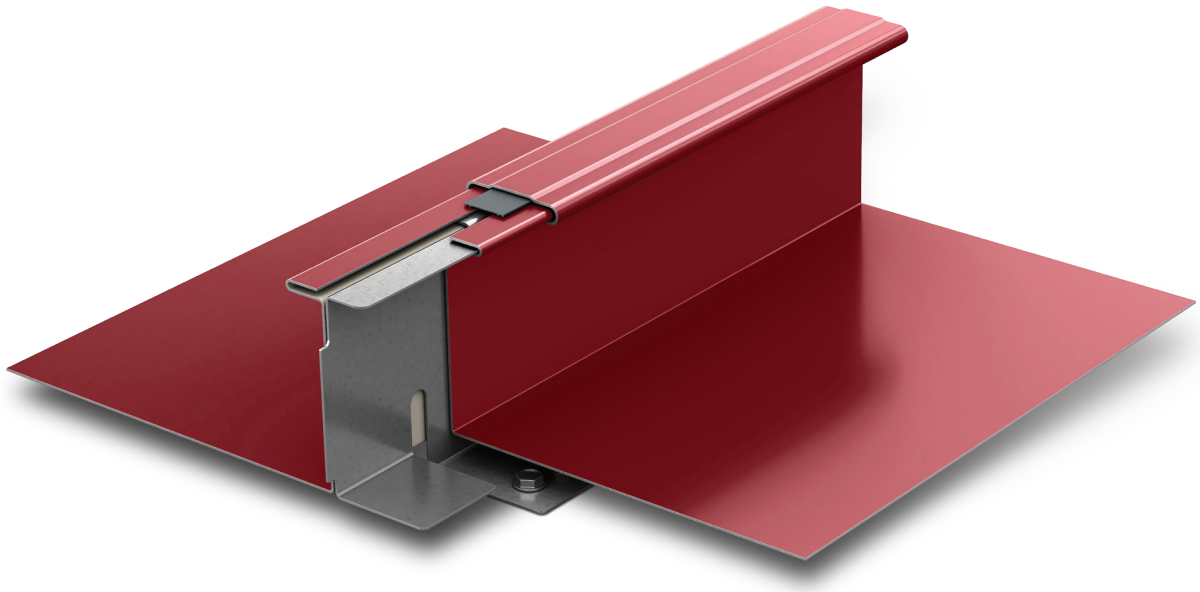
TEE-LOCK PANEL INSTALLATION DETAILS STEEL



BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

800-669-0009 • www.Berridge.com

A. BERRIDGE 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.

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

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

F. SHEATHING INSPECTION:

1. SHEATHING END JOINTS SHOULD BE STAGGERED.

2. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.

3. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOINTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.

4. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN; UNEVEN SUBSTRATE WILL RESULT IN "OIL–CANNING" IN THE PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'–0".

5. ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS.

6. USE WOOD FRAMED CRICKETS AT LARGE PENETRATIONS.

7. MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS AND RIDGES.

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

H. OPEN FRAMING INSPECTION:

1. PURLINS SHOULD BE ALIGNED WITH TOP FLANGES IN THE SAME PLANE TO A TOLERANCE OF 1/4" IN 20'–0". UNEVENNESS IN THE TOP PLANE OF THE PURLINS WILL RESULT IN ABNORMAL "OIL CANNING" IN PANELS. PURLINS SHALL BE ADEQUATELY BRACED.

2. BERRIDGE MANUFACTURING COMPANY RECOMMENDS SOLID SHEATHING IN VALLEY AND AROUND ROOF PENETRATIONS. DO NOT APPLY PANELS ON OPEN FRAMING AT VALLEYS OR ROOF PENETRATIONS WITHOUT REFERING TO DETAILS TL–72 & TL–85.

3. FOOT TRAFFIC ON THE PANELS MUST BE KEPT TO A MINIMUM. ARCHITECTURAL PANEL ARE DESIGNED FOR AESTHETICS AND CAN BE EASILY DAMAGED OR DEFORMED IF EXTREME CARE IS NOT USED.

I. FASCIA/RAKE INSPECTION:

1. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.

2. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.

J. UNDERLAYMENT: MINIMUM #30 FELT OR BERRIDGE APPROVED 40 MIL MINIMUM, HIGH TEMPERATURE PEEL & STICK UNDERLAYMENT MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL 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 OF #30 FELT UNDERLAYMENT TO BE MINIMUM 36" OR A FULL ROLL AT ALL FLASHINGS; FOR BERRIDGE APPROVED PEEL & STICK A 36" OR FULL ROLL AT VALLEY FLASHINGS AND SQUARE ROOF PENETRATION LOCATIONS, AND MINIMUM 12" AT ALL OTHER FLASHING LOCATIONS. BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT MAY BE REQUIRED ON LOW SLOPED ROOFS OR AT CERTAIN FLASHING CONDITIONS. FOR ALL WATERTIGHTNESS WARRANTIES, THE UNDERLAYMENT MUST BE SELECTED FROM THE #30 FELT OR BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT AND SEALANTS LIST. BOTH UNDERLAYMENT INSTALLATION DETAILS AND APPROVED UNDERLAYMENTS AND SEALANTS LIST CAN BE FOUND ON BERRIDGE'S WEBSITE: WWW.BERRIDGE.COM

APPROVED UNDERLAYMENTS AND SEALANTS

UNDERLAYMENT INSTALLATION DETAILS

K. UNDERLAYMENT INSTALLATION:

1. DO NOT USE ROSIN PAPER UNDER METAL ROOFING PANELS.

2. SWEEP ROOF AREA CLEAN.

3. WHEN UTILIZING FELT, USE FLAT HEAD GALVANIZED ROOFING NAILS X 1–1/4" LONG OR A #12 PANCAKE HEAD COATED FASTENER WITH BERRIDGE GALVANIZED FELT CAPS.

4. INSTALL VALLEY UNDERLAYMENT FIRST.

5. INSTALL UNDERLAYMENT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. 2 LAYERS REQUIRED AT EAVE REGARDLESS OF SLOPE.

6. REFER TO UNDERLAYMENT DETAILS WHEN VALLEYS OR ROOF PENETRATIONS ARE INVOLVED.

7. INSULATE BETWEEN WOOD BLOCKING AND METAL WITH #30 FELT OR BERRIDGE APPROVED PEEL AND STICK UNDERLAYMENT.

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

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

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

APPROVED UNDERLAYMENTS AND SEALANTS

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

FLASHING INSTALLATION:

1. REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIOR TO INSTALLATION.

2. ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED OVER OTHER FLASHINGS.

3. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.

4. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT TRAP WATER.

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

P. PANELS: BERRIDGE MANUFACTURING COMPANY WILL PROVIDE SQUARE END CUTS ONLY ON ALL 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.

Q. PANEL INSTALLATION:

1. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL AND SEAM CAP PRIOR TO INSTALLATION.

2. START PANEL, TEE–LOCK CLIP OR CONTINUOUS TEE–RIBS 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) 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.

R. PANEL SEAM: THE BERRIDGE TEE–LOCK PANEL IS A MECHANICALLY SEAMED PANEL BY USE OF A BERRIDGE SEAMER MACHINE.

S. 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.

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. TEE–LOCK CLIP OR CONTINUOUS TEE–RIBS:

1. INSTALL TEE–LOCK CLIPS AS PER BERRIDGE TYPICAL TEE–LOCK PANEL DETAILS.

2. INSTALL CONTINUOUS TEE–RIBS AS PER BERRIDGE TYPICAL TEE–LOCK PANEL DETAILS AND ENGINEERING REQUIREMENTS

3. WHEN USING CLIPS DIRECTLY OVER RIGID INSULATION, 6"X6" 24 GA. 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 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 ZINC PLATED FASTENERS FOR FLASHING INSTALLATION.

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

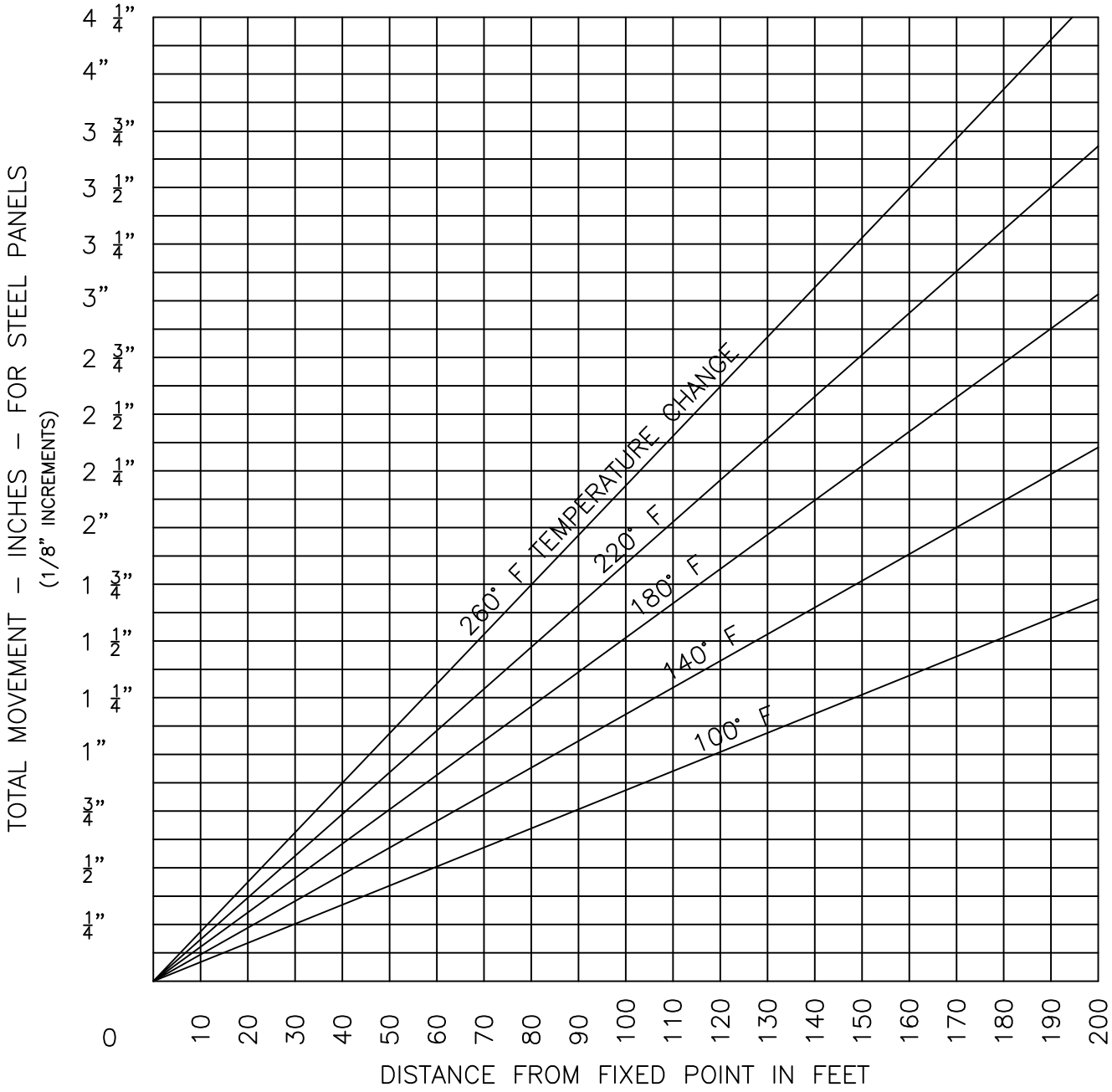
V. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE TEE–LOCK PANEL COMPLIES WITH UL TEST PROCEDURE NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES" CLASS UL 90 CONSTRUCTION NUMBER 268, 268A, 268B REFER TO DETAILS TL–90 – TL–92, REFER TO DETAILS TL–100 – TL–102 FOR HOURLY UL FIRE RESISTANCE DESIGN ASSEMBLIES.

BERRIDGE MANUFACTURING COMPANY STRIVES TO PROVIDE ITS CUSTOMERS WITH THE HIGHEST QUALITY STRETCHER LEVELED STEEL AVAILABLE. THE LATEST TECHNOLOGY IS ALSO INCORPORATED IN BERRIDGE'S HIGH–PRECISION COIL HANDLING AND ROLL FORMING EQUIPMENT TO MINIMIZE THE STRESS ON METAL DURING PRODUCTION. 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 TEE–LOCK PANEL SYSTEM.

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



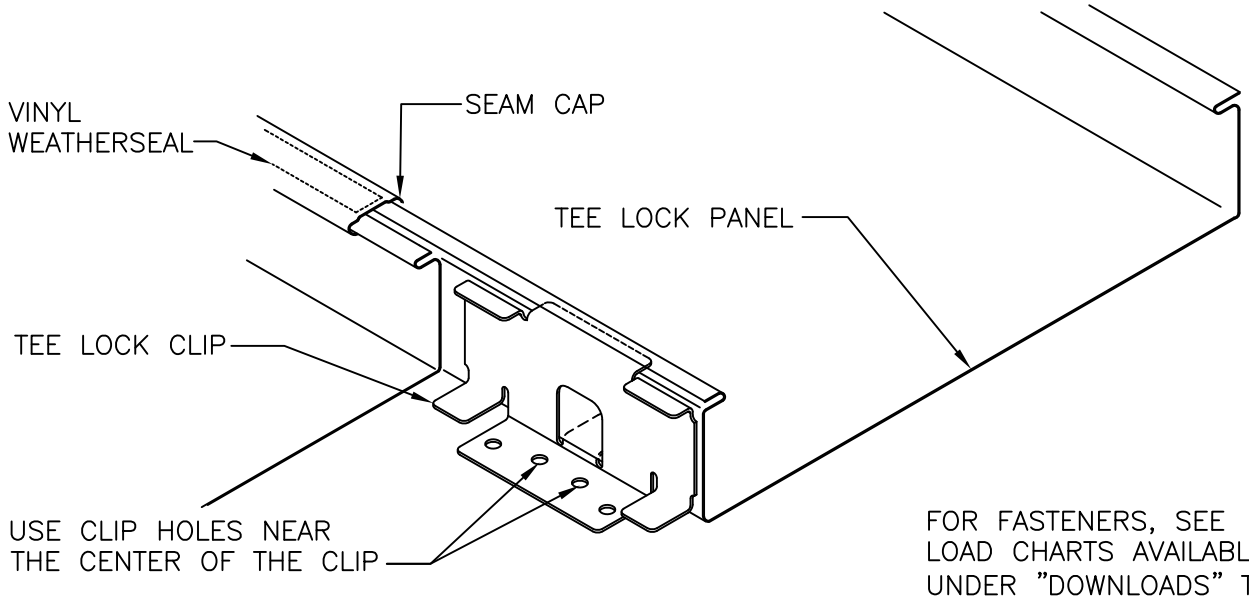
EXPANSION AND CONTRACTION OF METAL PANELS DUE TO LONGITUDINAL THERMAL MOVEMENT MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZES THE NEED TO PROVIDE AMPLE CLEARANCES FROM GUTTERS, RIDGES, ENDWALL, ETC.

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

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

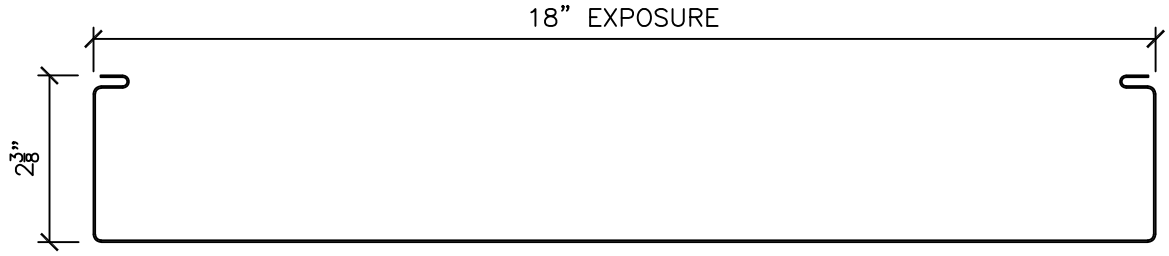
BERRIDGE MANUFACTURING COMPANY SHOULD BE HELD HARMLESS FROM ANY AND ALL CLAIMS ARISING FROM LACK OF WATERTIGHTNESS AS A RESULT OF FOLLOWING THESE RECOMMENDED DETAILS. ENSURING WATERTIGHTNESS ON ANY GIVEN PROJECT IS THE FUNCTION OF THE INSTALLER. THE ARCHITECT/GENERAL CONTRACTOR/INSTALLER MUST ACCEPT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

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



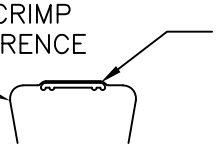
USE OTHER CLIP HOLES ONLY WHEN DIRECTED BY BERRIDGE'S ENG. DEPT.

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

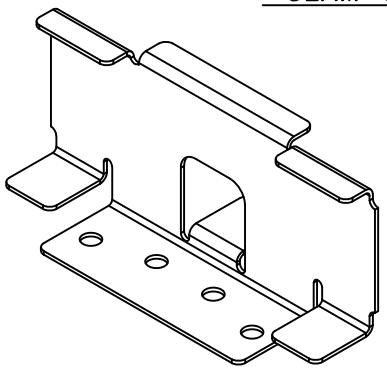


22 OR 24 GAUGE PANEL SECTION

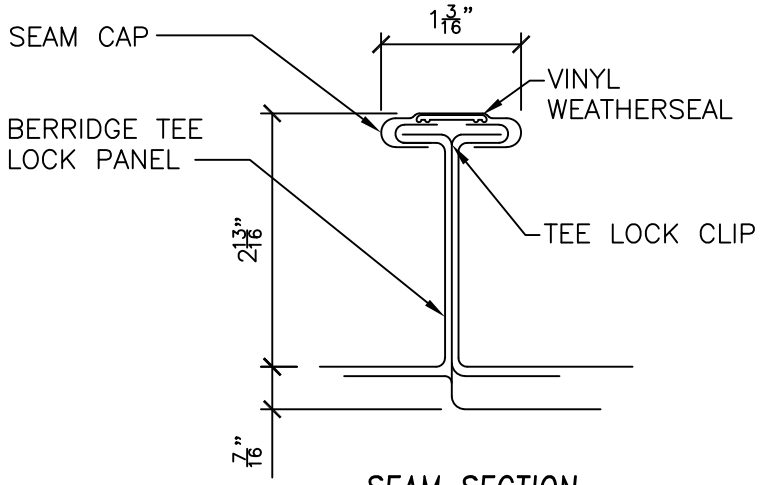
IF REQUIRED, SPLICE SEAM CAP 4" APPLY CONTINUOUS CAULK AT SPLICE AND HAND CRIMP BEFORE SEAMING, REFERENCE DETAIL TL-5.1



SEAM CAP



TEE-LOCK CLIP



SEAM SECTION

NOTE: VINYL WEATHERSEAL IS REQUIRED OVER OPEN FRAMING AND FOR WATERTIGHTNESS WARRANTIES

BERRIDGE MANUFACTURING COMPANY

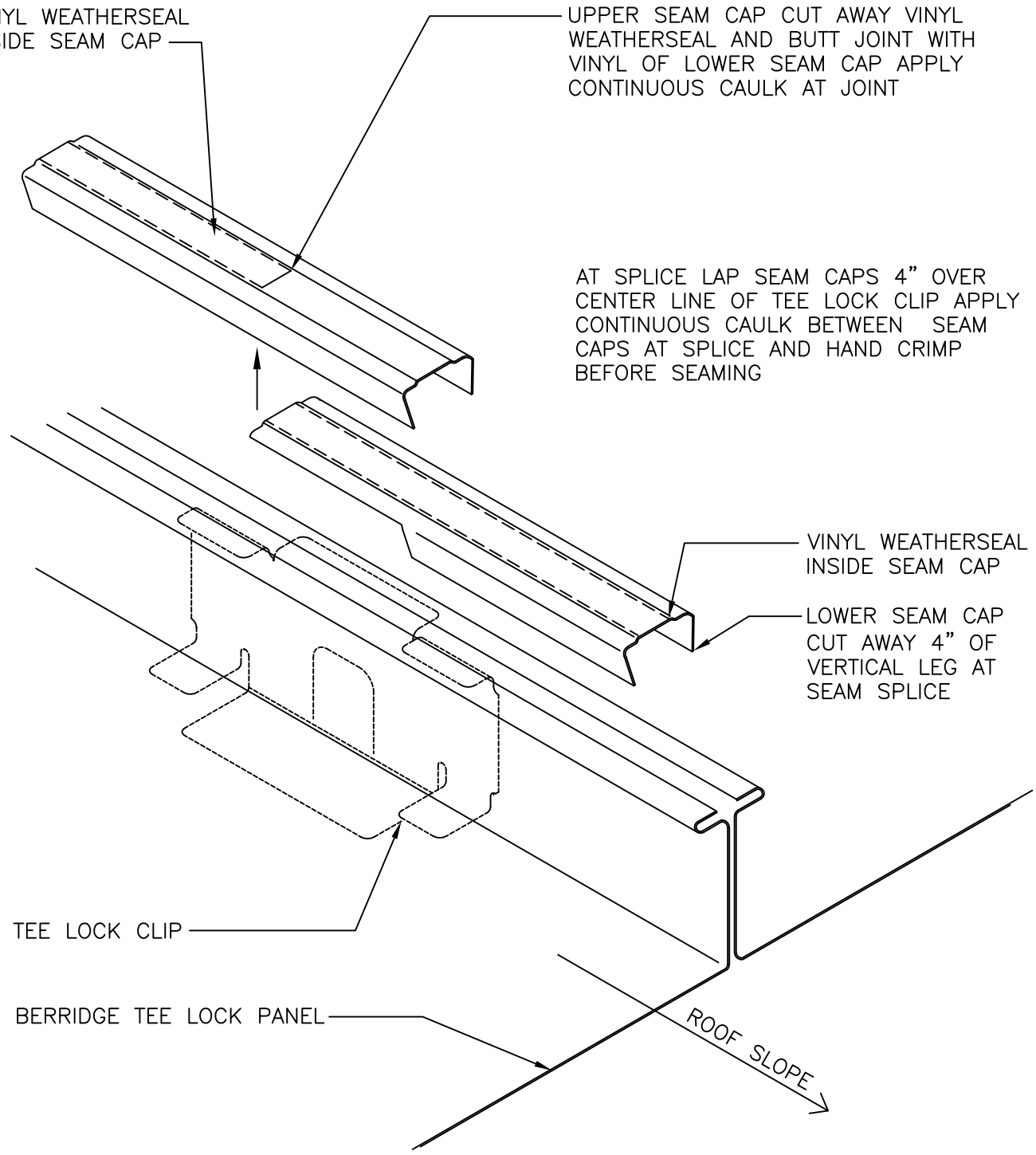
Roofs of Distinction

PANEL OVERVIEW
TEE-LOCK CLIP

DATE: 5/23

TEE-LOCK PANEL

PAGE\FILE
TL-5



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

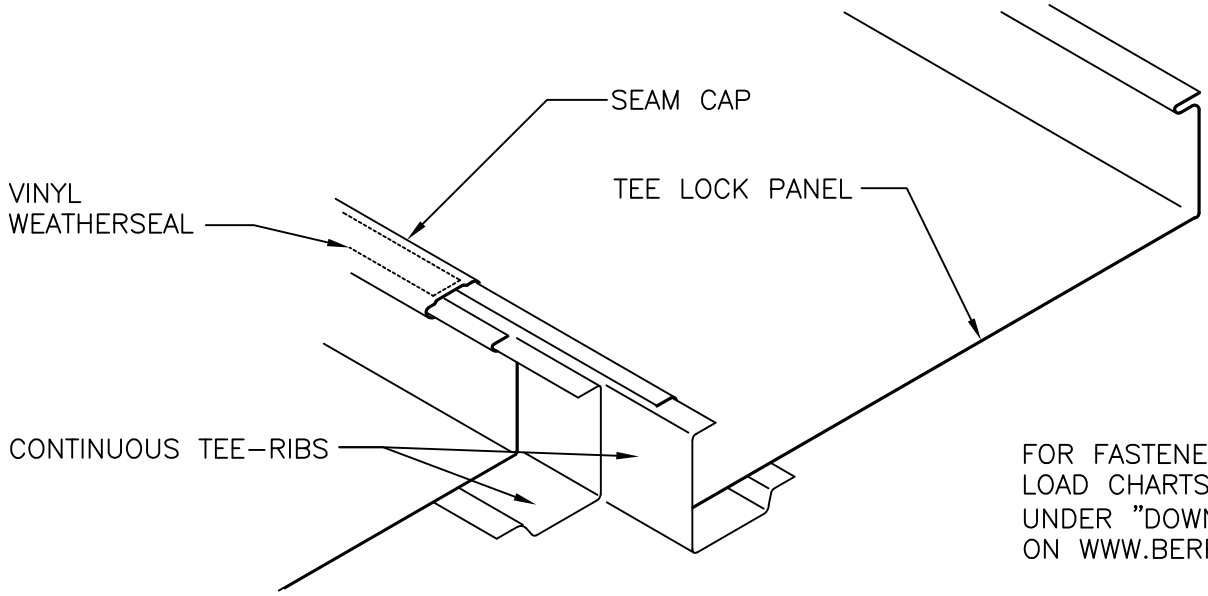
SEAM CAP SPLICE DETAIL

DATE: 5/23

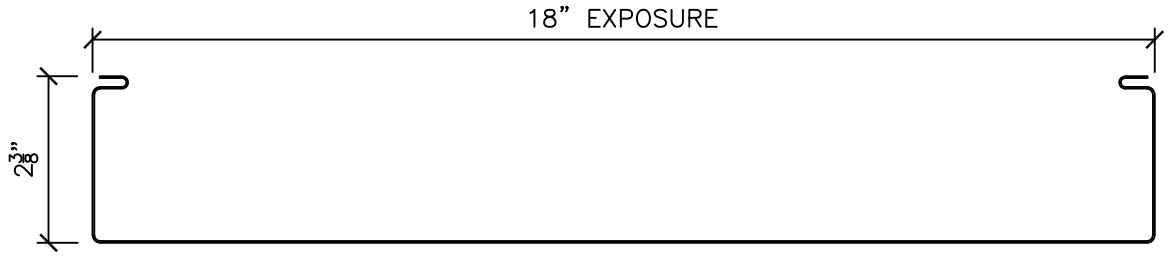
TEE-LOCK PANEL

PAGE\FILE

TL-5.1

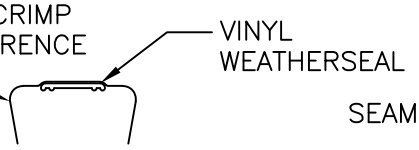


FOR FASTENERS, SEE LOAD CHARTS AVAILABLE UNDER "DOWNLOADS" TAB ON WWW.BERRIDGE.COM

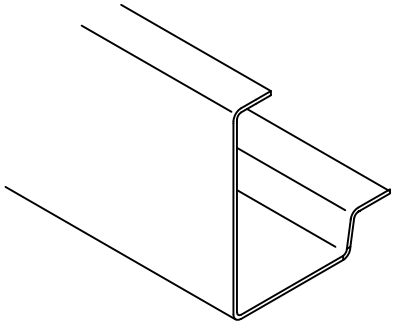


22 OR 24 GAUGE PANEL SECTION

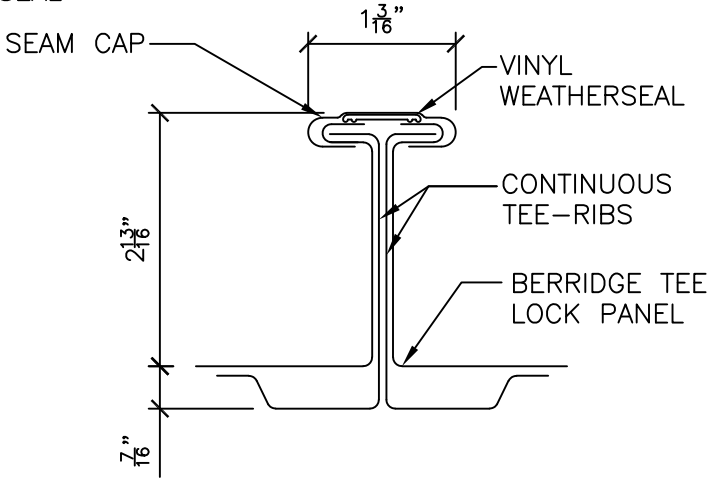
IF REQUIRED, SPLICE SEAM CAP 4" APPLY CONTINUOUS CAULK AT SPLICE AND HAND CRIMP BEFORE SEAMING, REFERENCE DETAIL TL–5.1



SEAM CAP



CONTINUOUS TEE–RIB



SEAM SECTION

NOTE: VINYL WEATHERSEAL IS REQUIRED OVER OPEN FRAMING AND FOR WATERTIGHTNESS WARRANTIES

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

PANEL OVERVIEW
CONTINUOUS TEE–RIB

DATE: 5/23

TEE–LOCK PANEL

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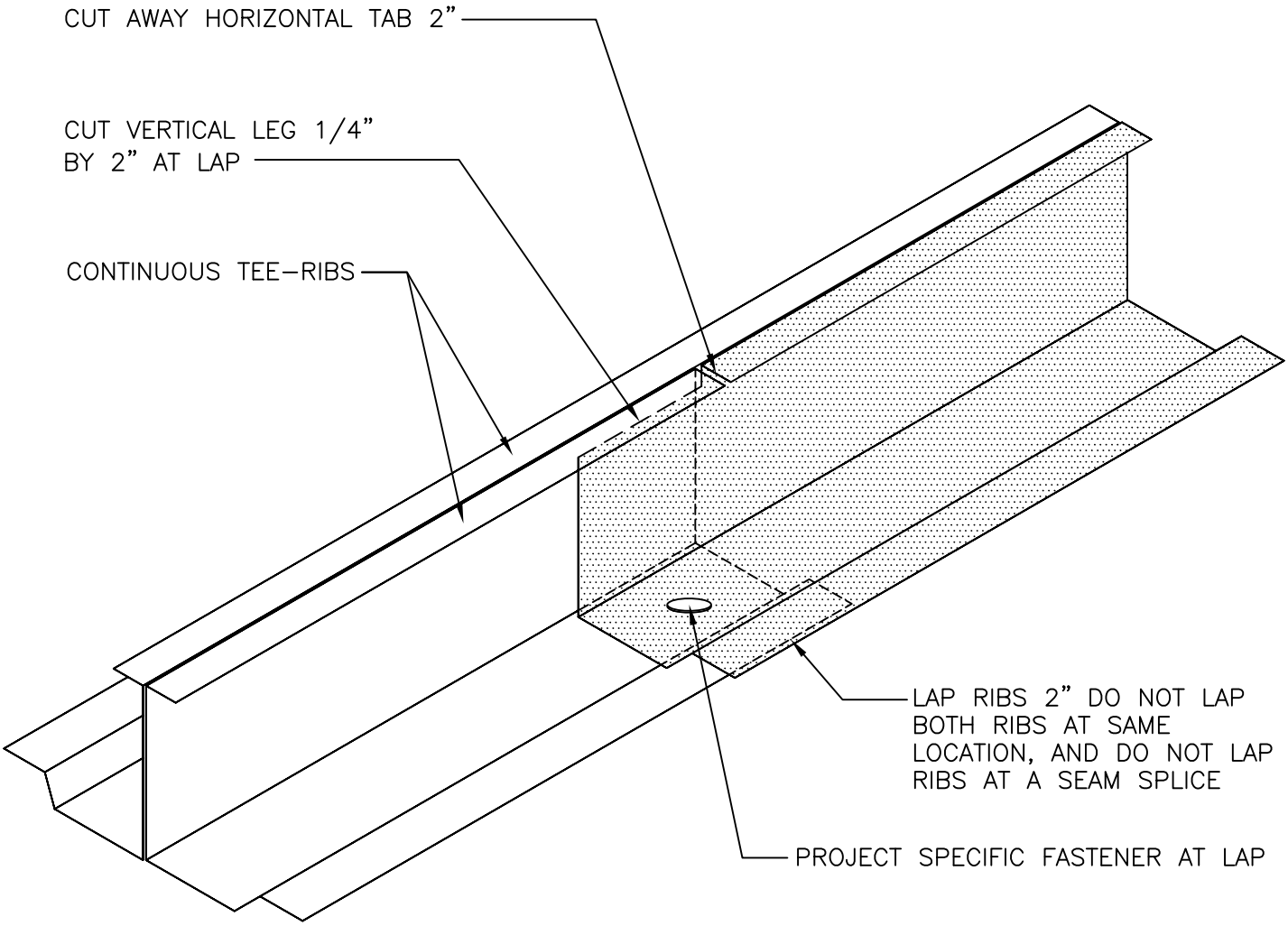
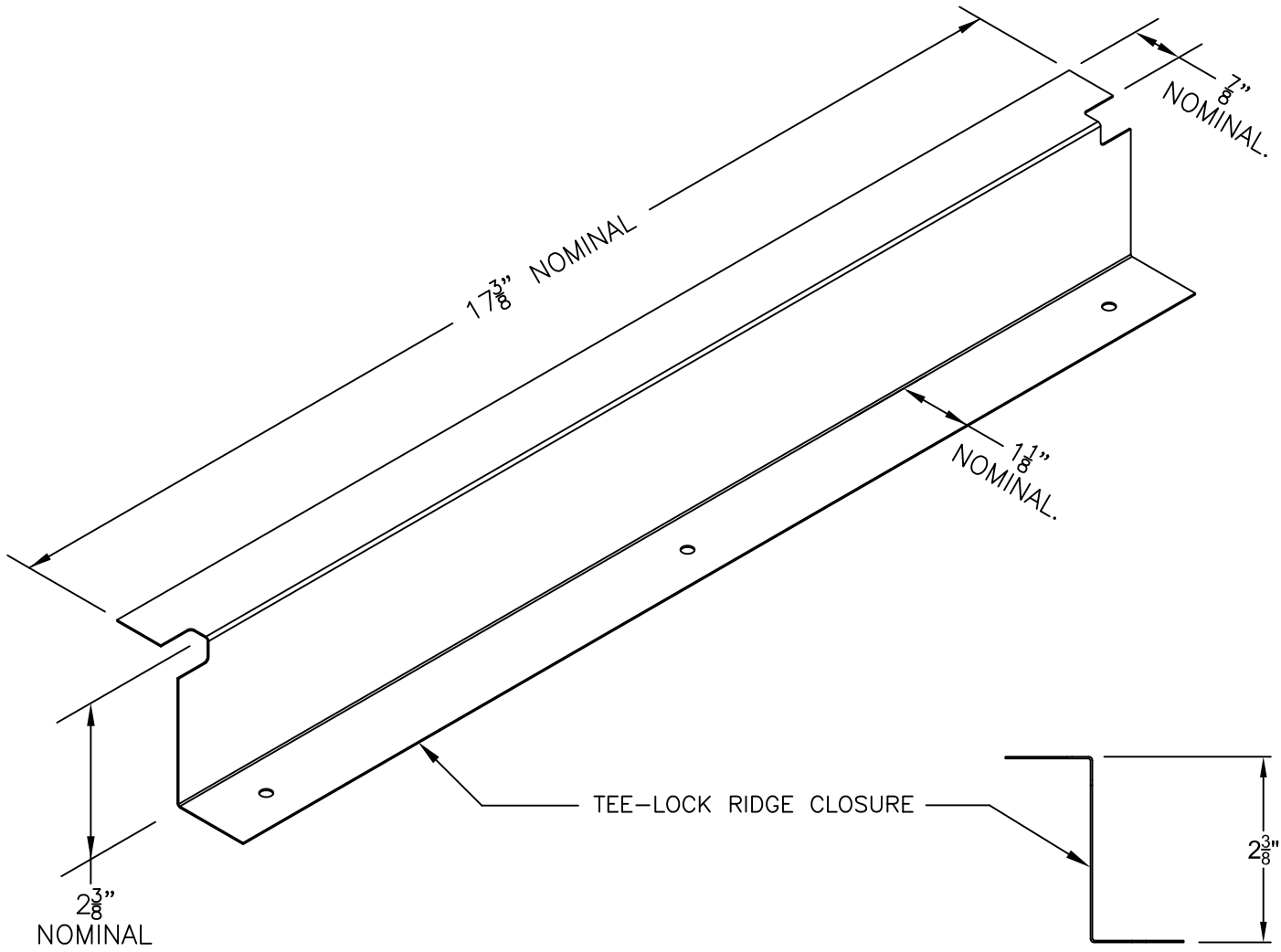
TL–5.2



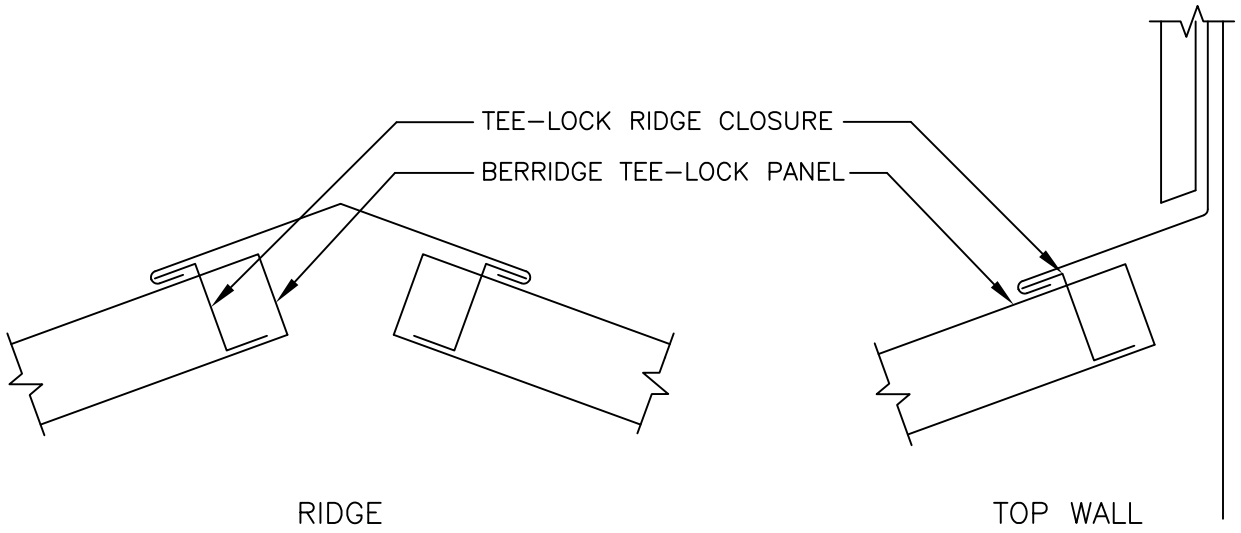
CONTINUOUS TEE–RIBS

LAP RIBS OVER SOLID SHEATHING OR OVER CENTER OF PURLIN

BERRIDGE MANUFACTURING COMPANY *Roofs of Distinction*	CONTINUOUS TEE–RIB SPLICE	DATE: 5/23
	TEE–LOCK PANEL	PAGE\FILE TL–5.3



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



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

TEE-LOCK DIE-FORMED RIDGE CLOSURE

DATE: 5/23

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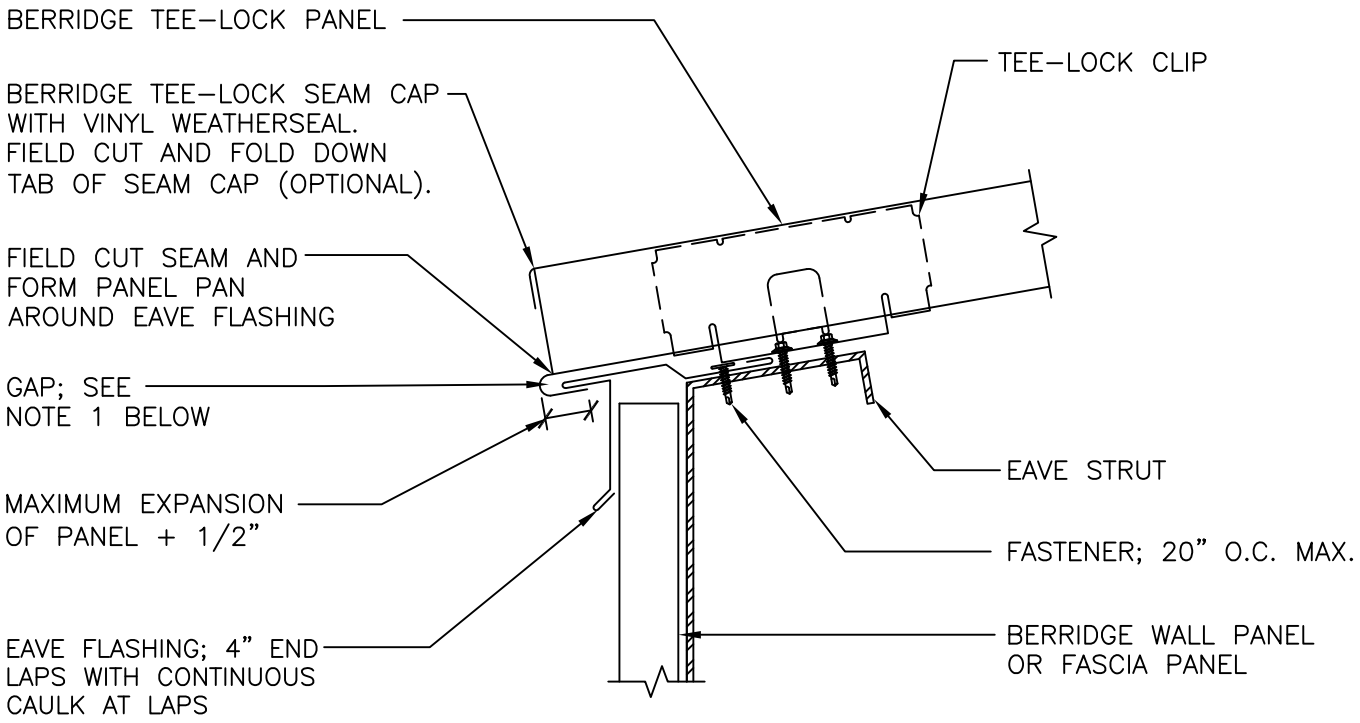
TEE-LOCK PANEL



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

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

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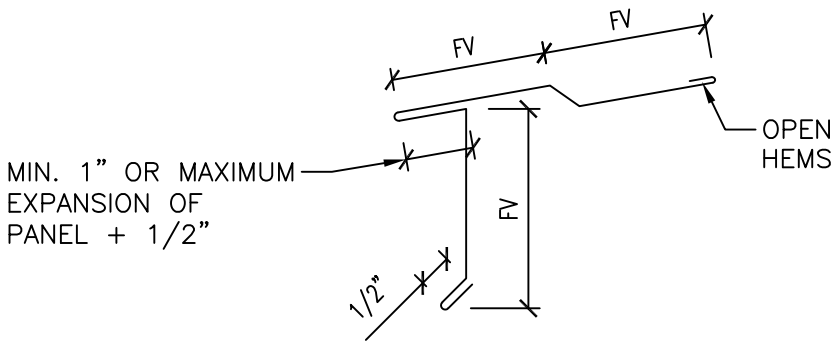

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL PANEL TURNDOWN OPEN FRAMING

DATE: 5/23

TEE–LOCK PANEL

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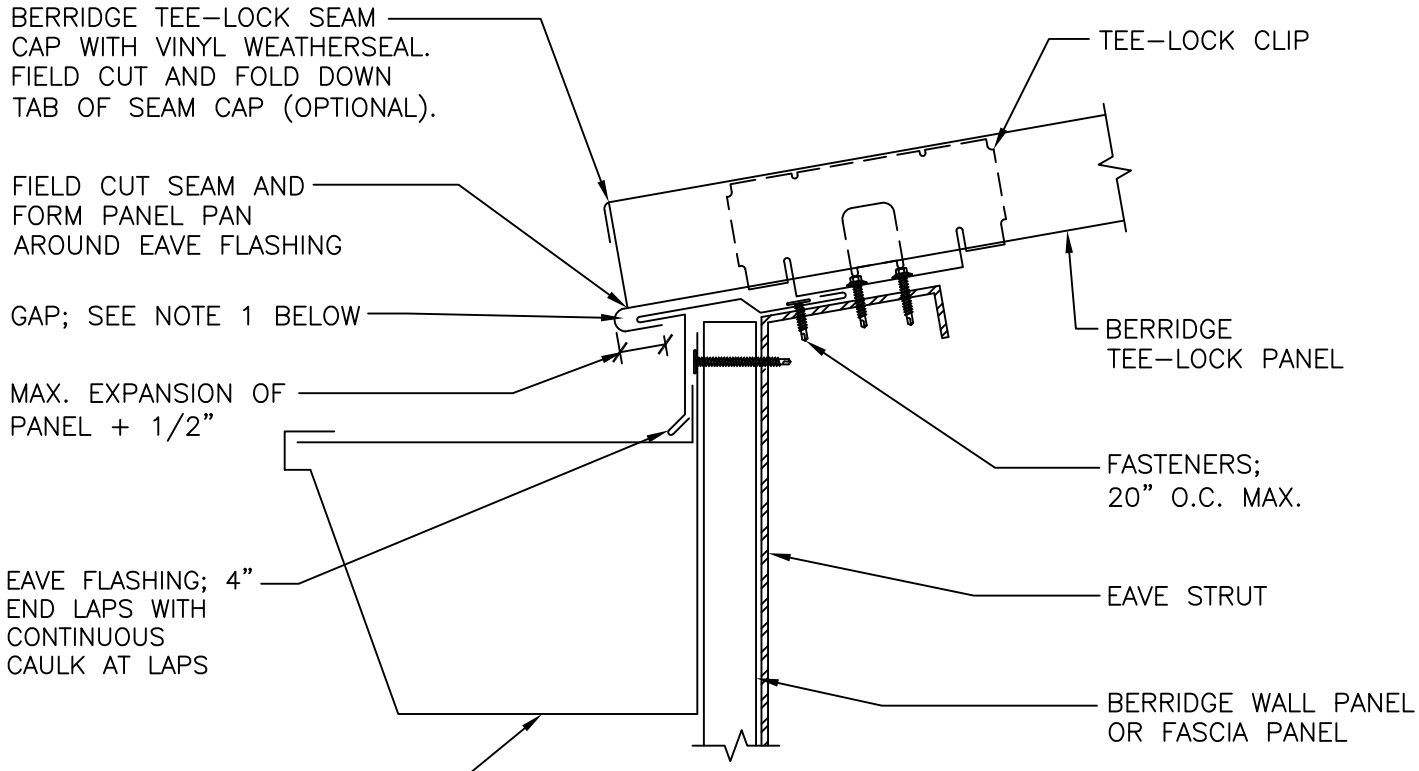

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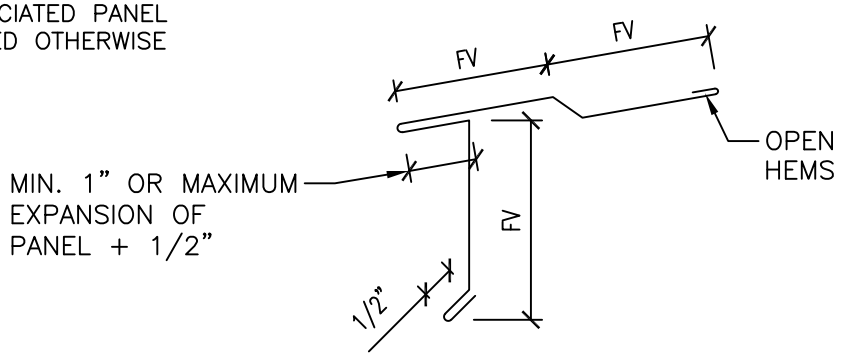

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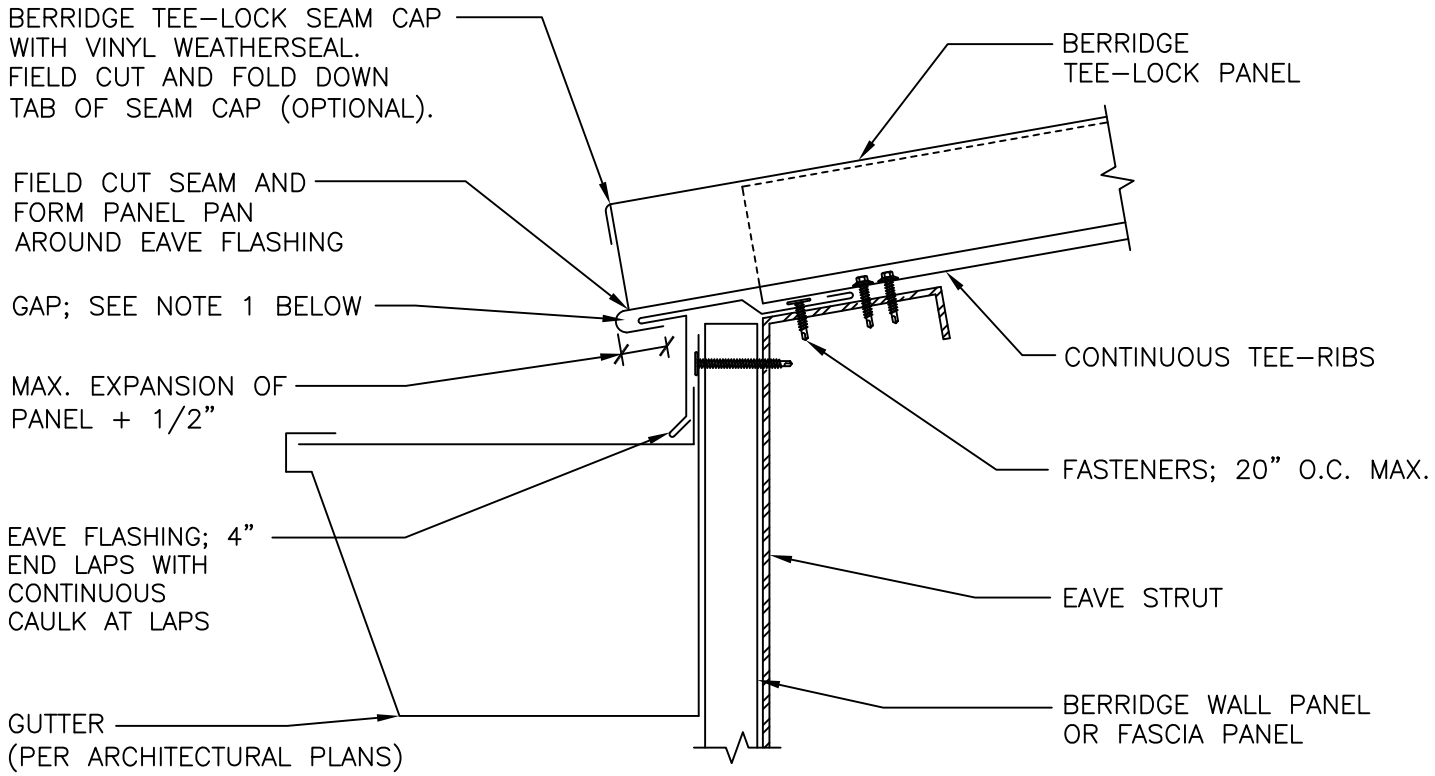

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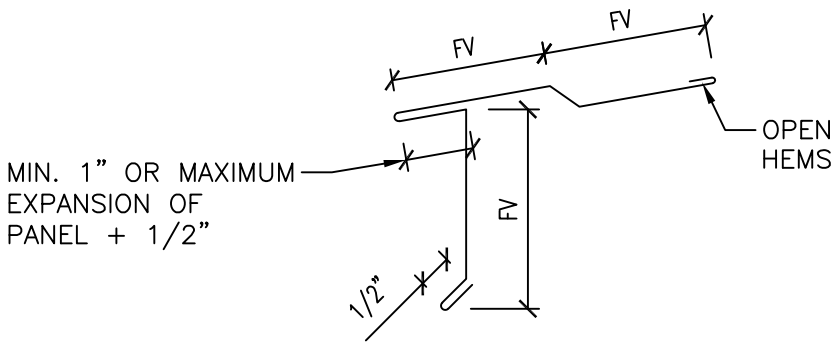

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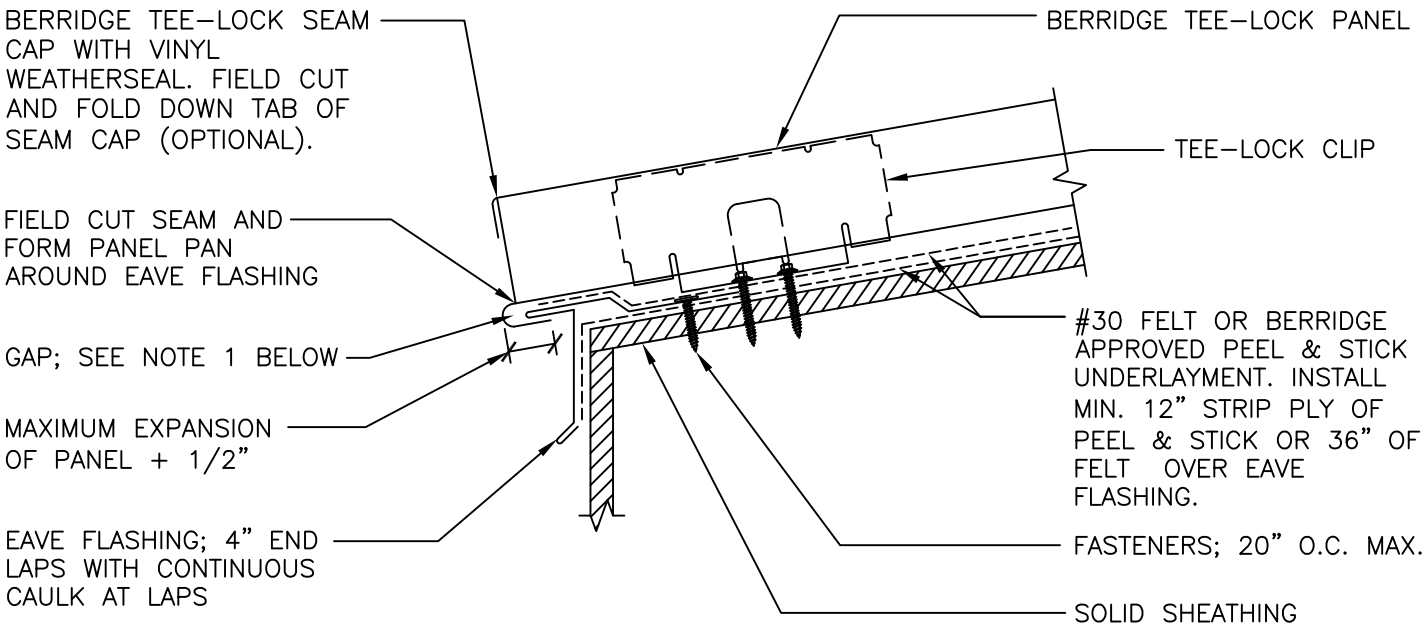

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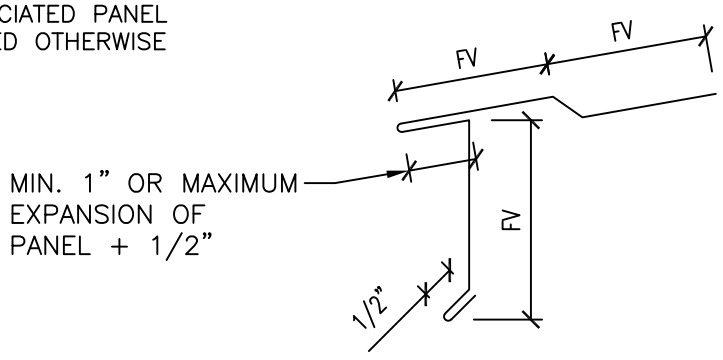

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL PANEL TURNDOWN SOLID SUBSTRATE

DATE: 5/23

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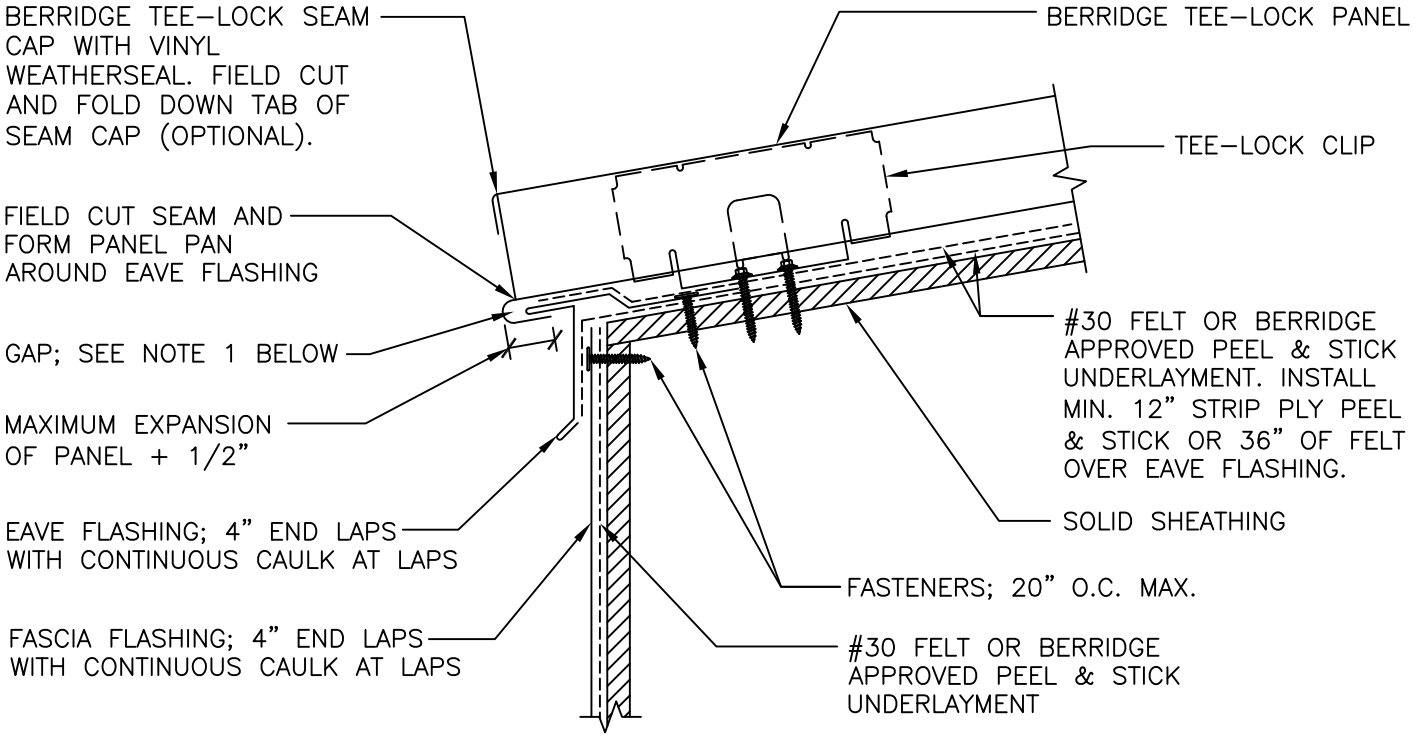

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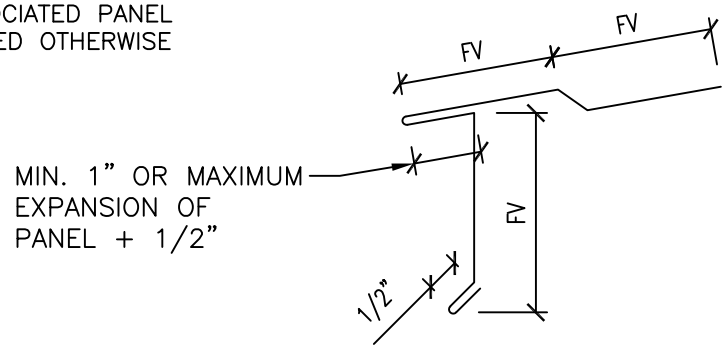

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL PANEL TURNDOWN SOLID SUBSTRATE

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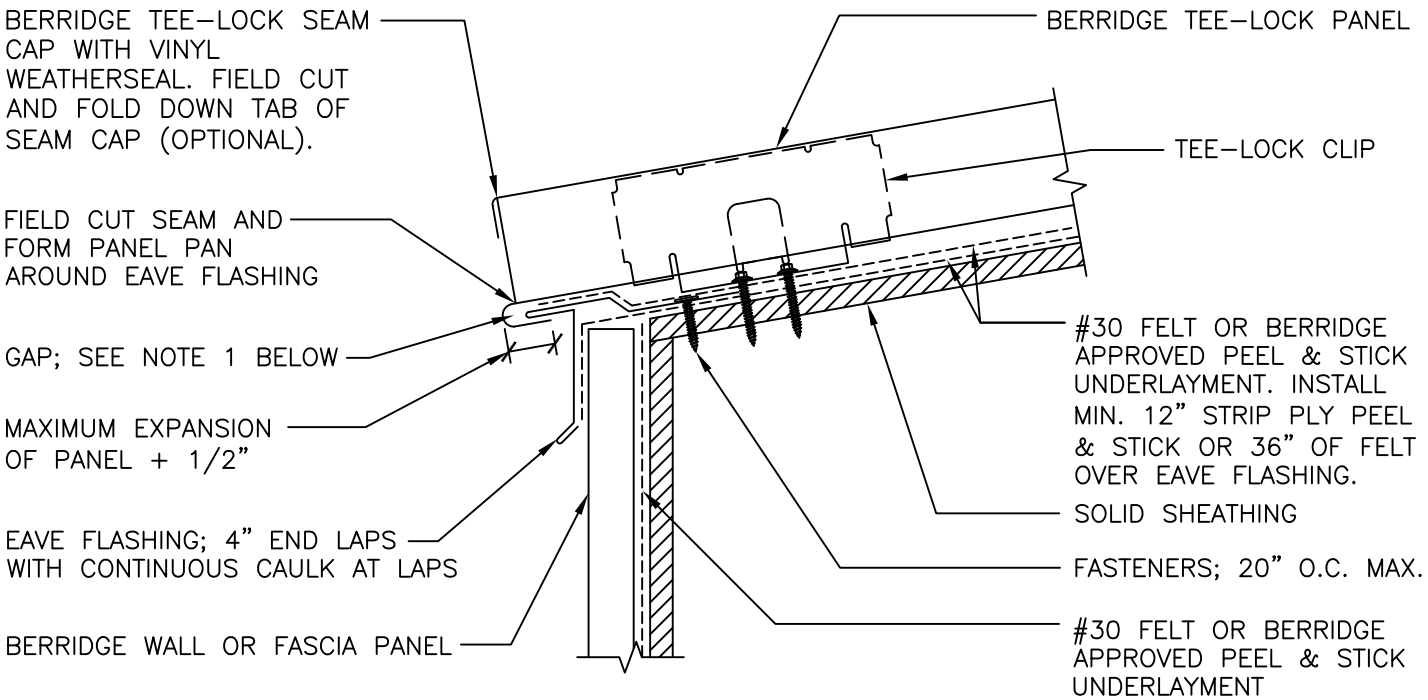

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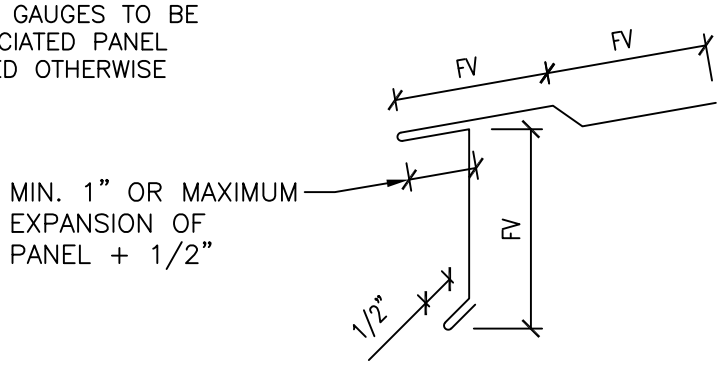

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL PANEL TURNDOWN SOLID SUBSTRATE

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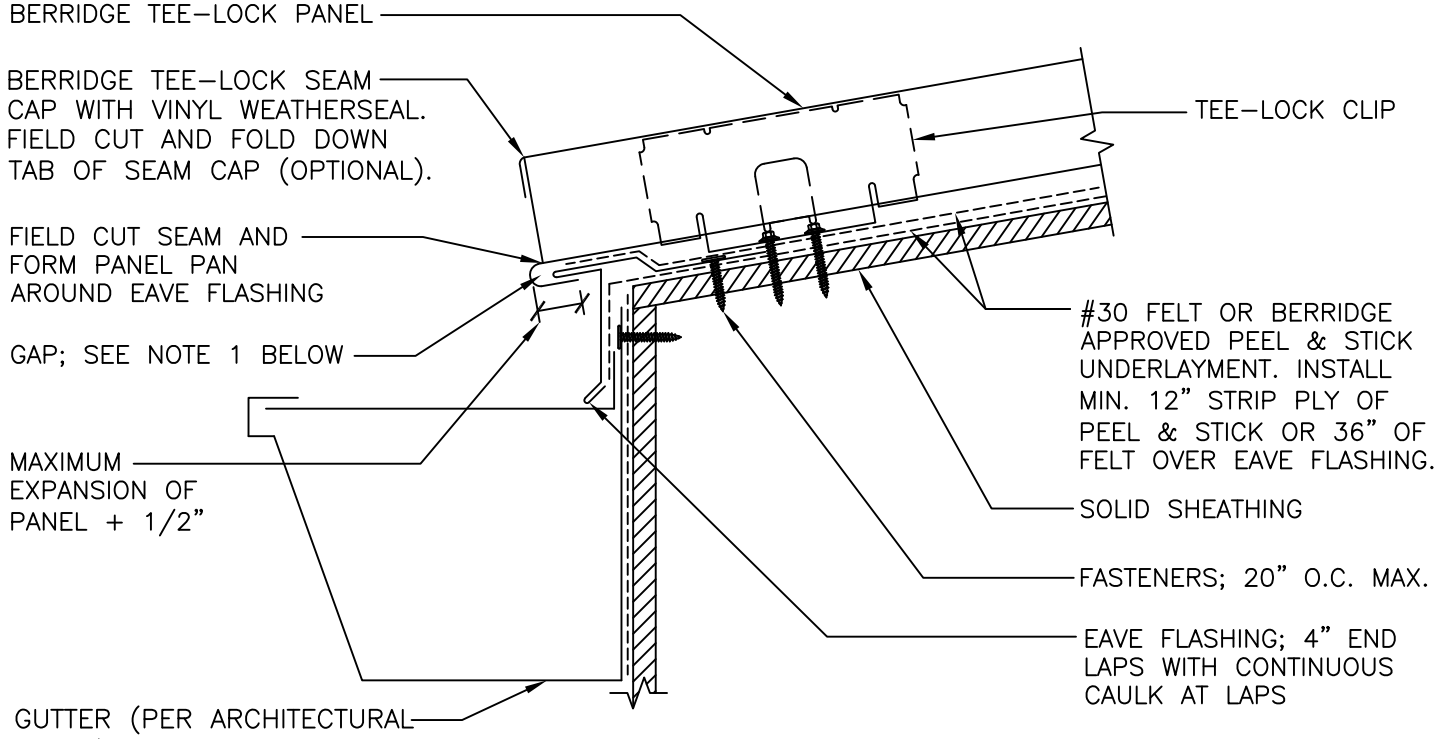

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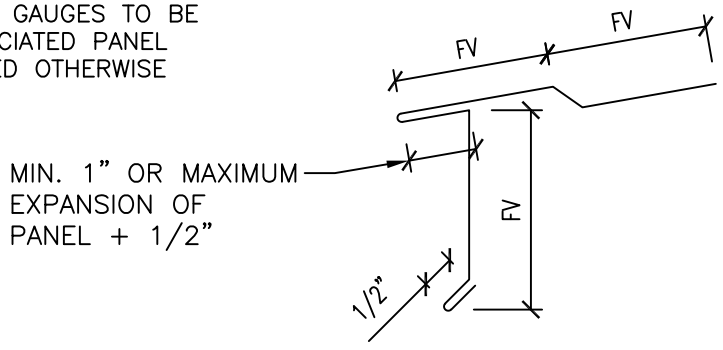

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BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL WITH GUTTER SOLID SUBSTRATE

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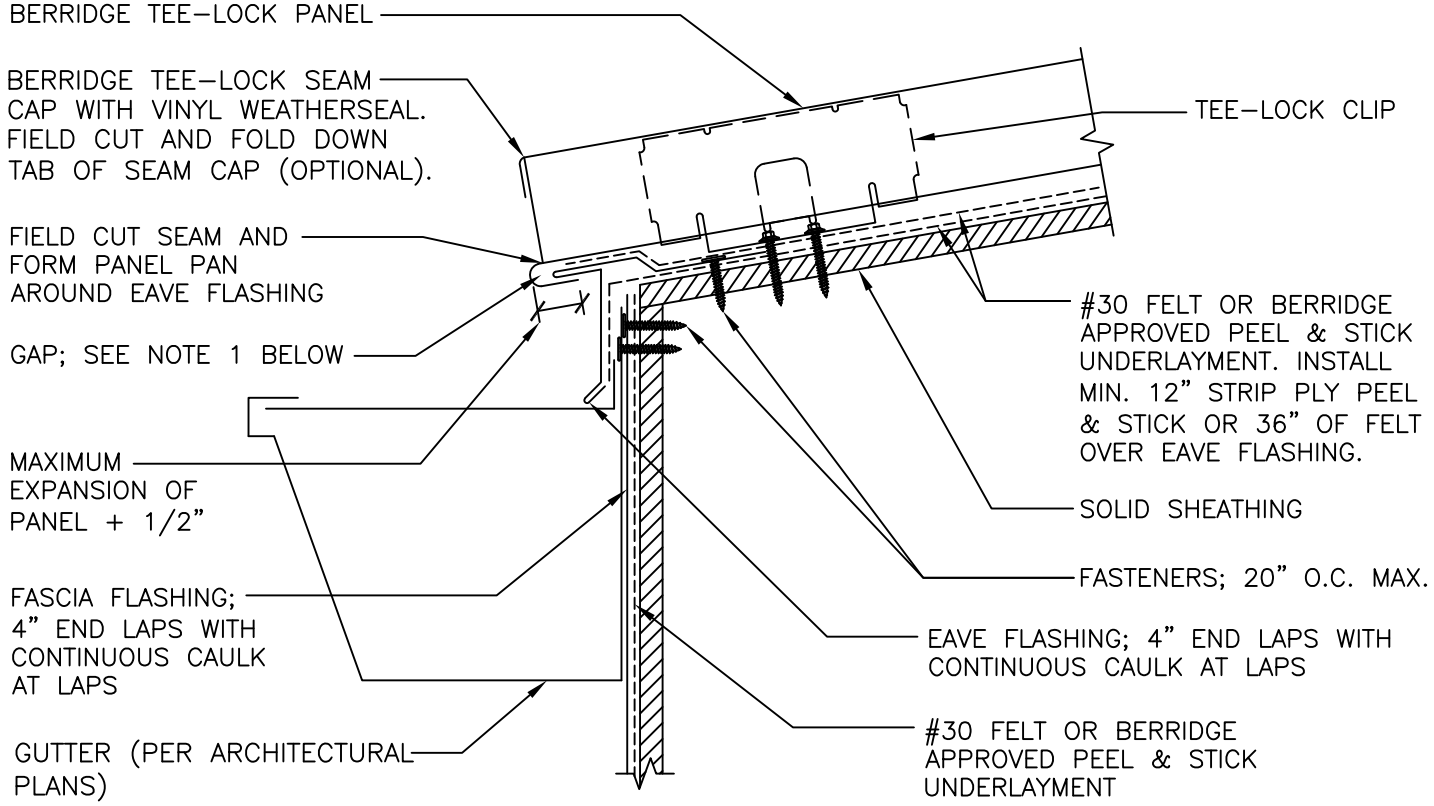

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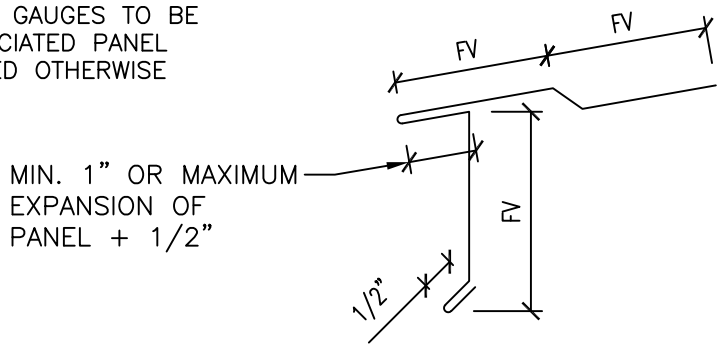

EAVE FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

EAVE DETAIL WITH GUTTER SOLID SUBSTRATE

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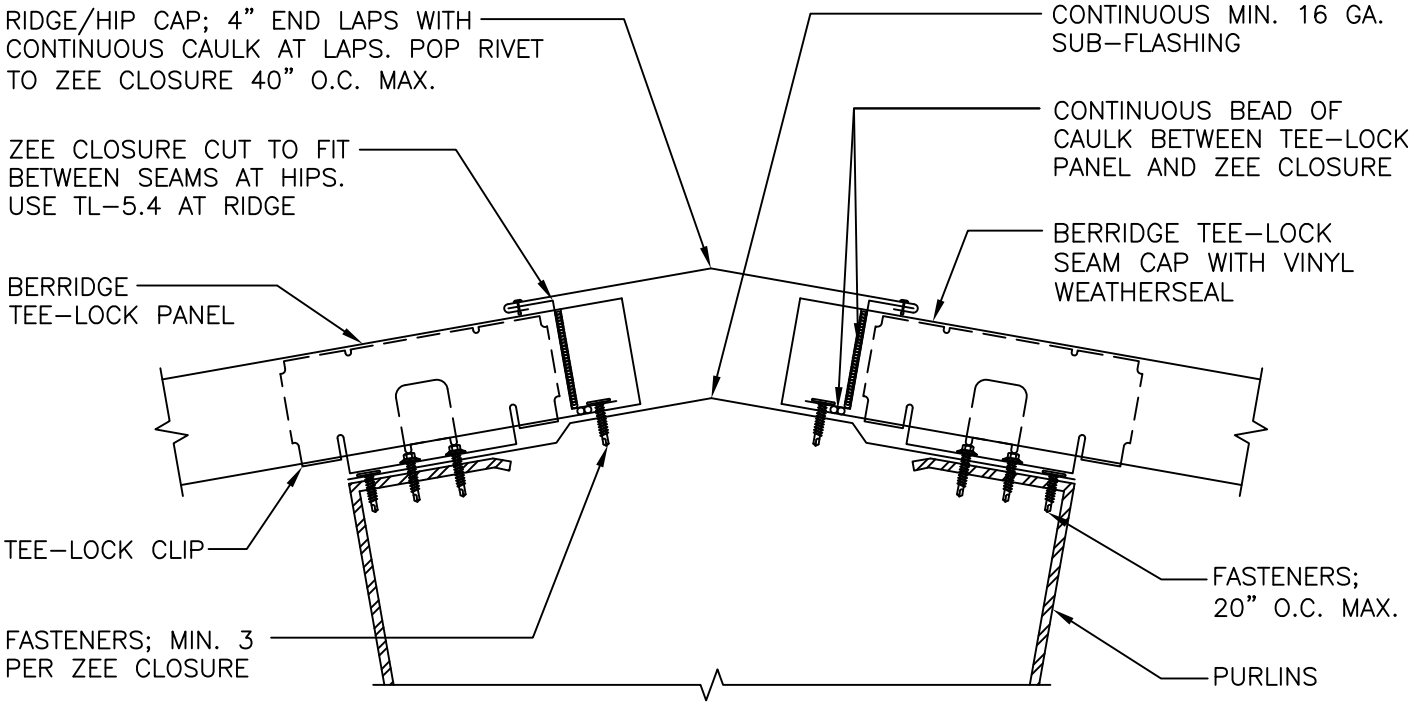

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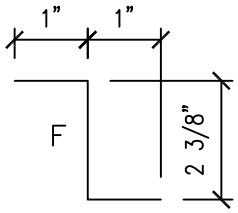

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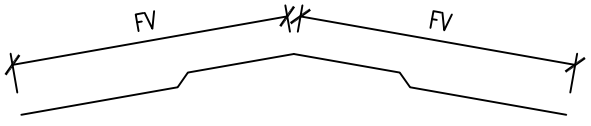
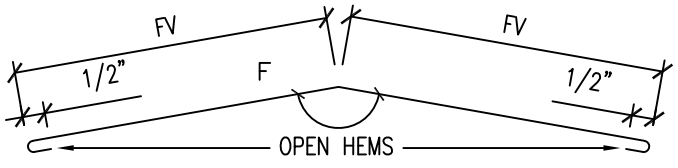


MIN. 16 GA. SUB-FLASHING



RIDGE/HIP CAP

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RIDGE/HIP DETAIL OPEN FRAMING

TEE-LOCK PANEL

DATE: 5/23

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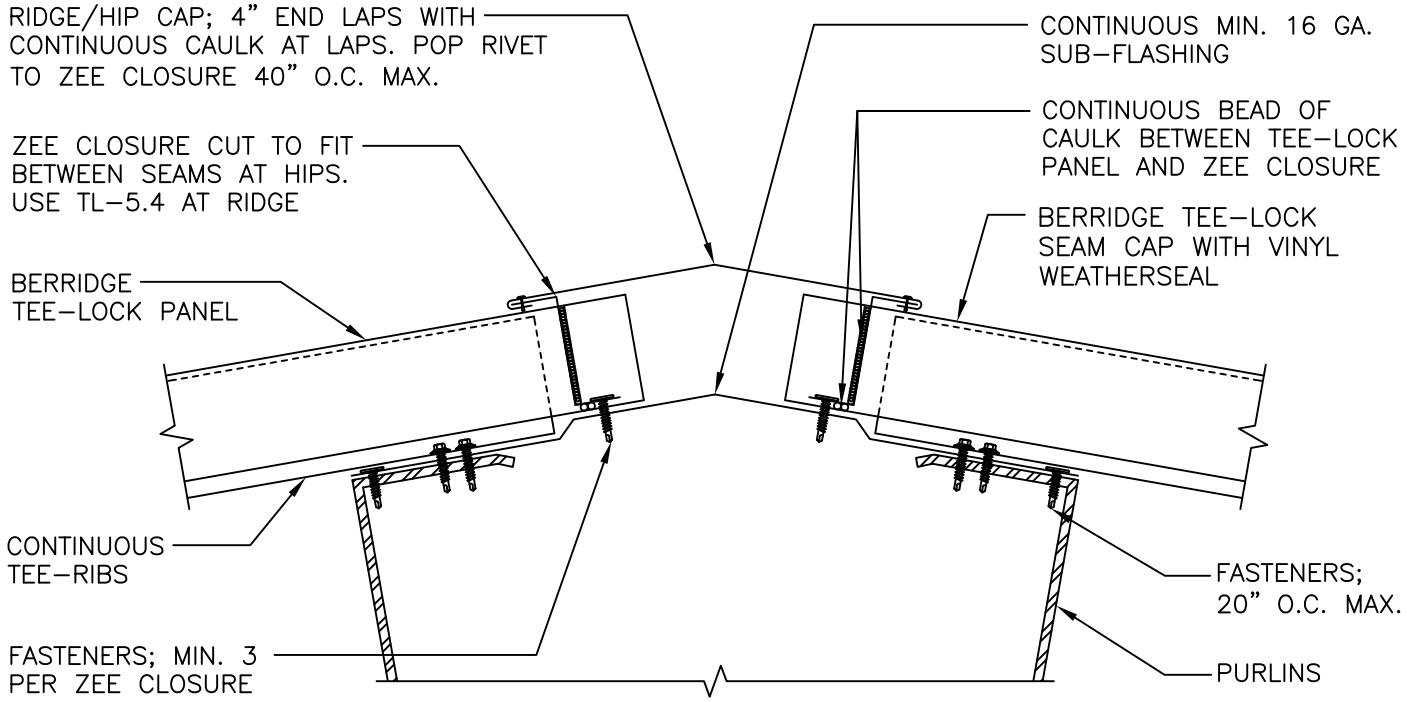

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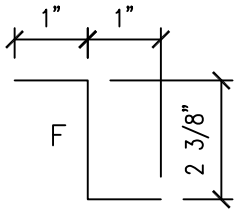

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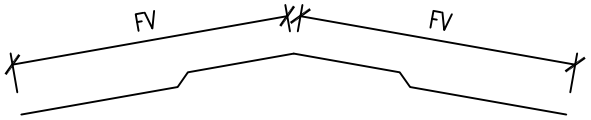

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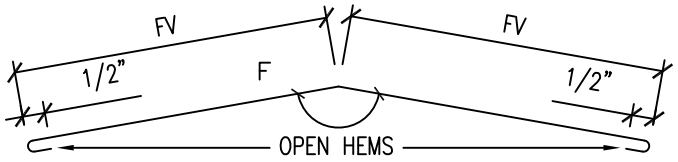

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Roofs of Distinction

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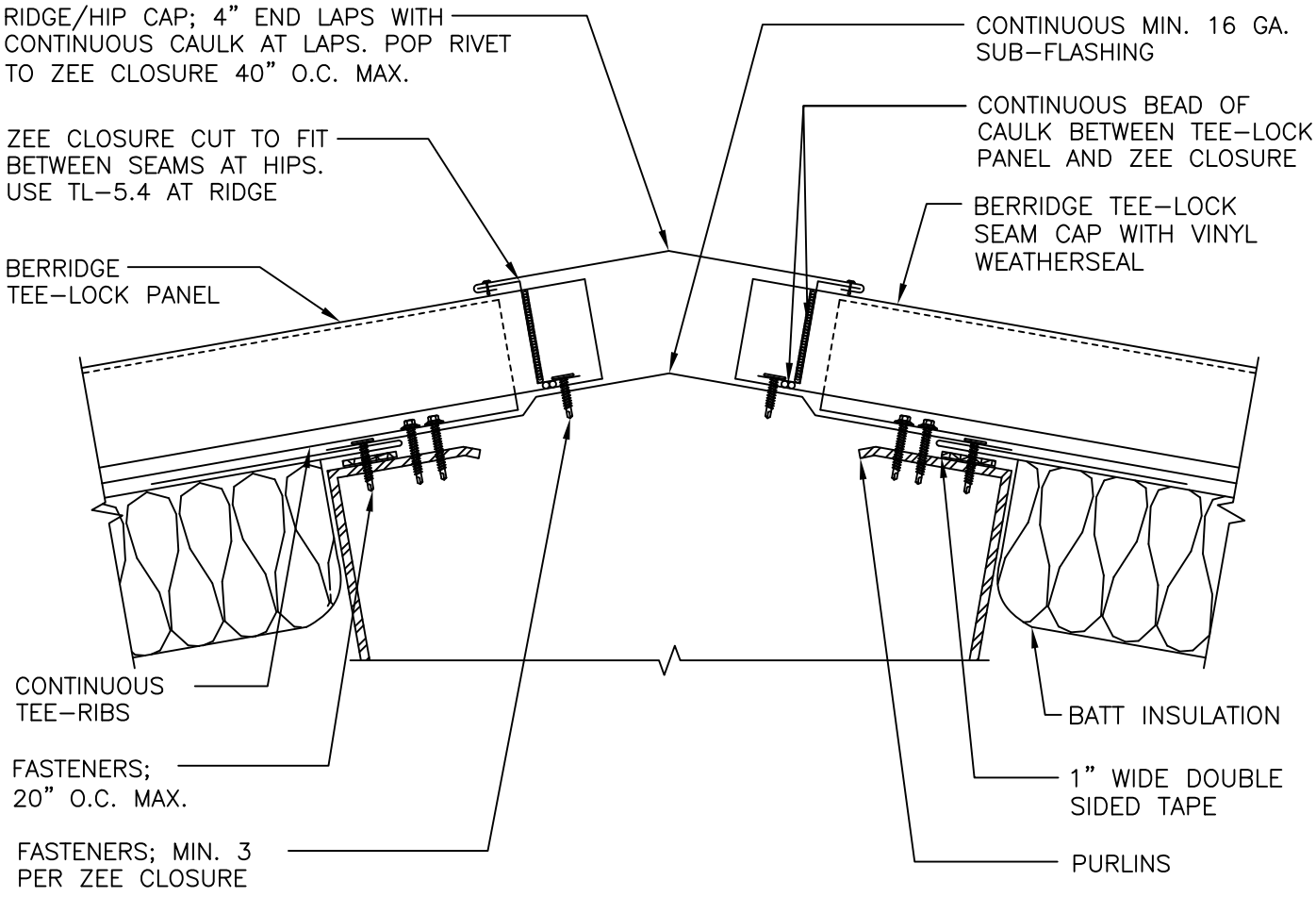

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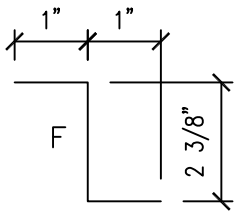

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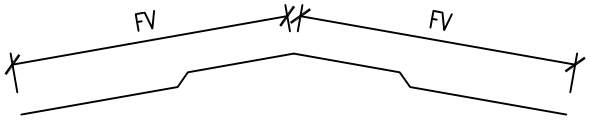

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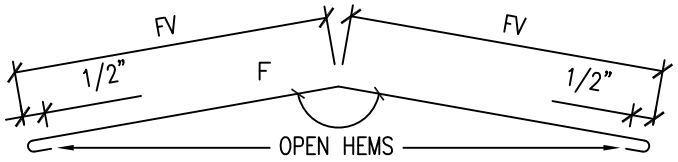

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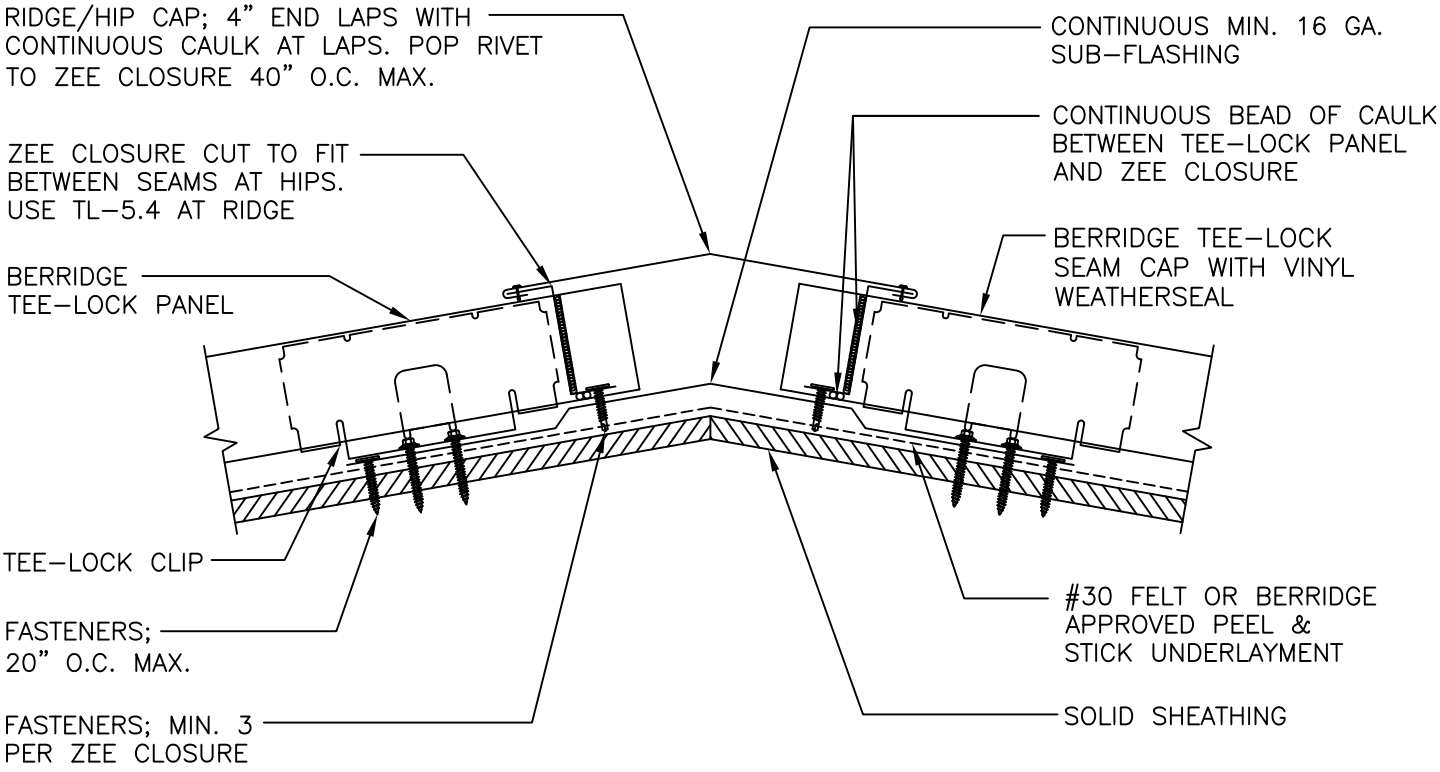

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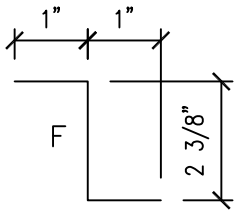

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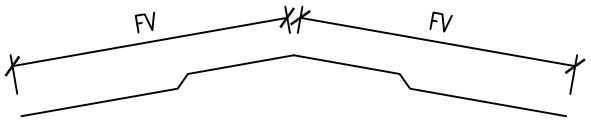

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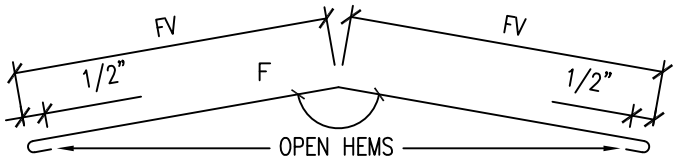

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RIDGE/HIP DETAIL SOLID SHEATHING

DATE: 5/23

TEE-LOCK PANEL

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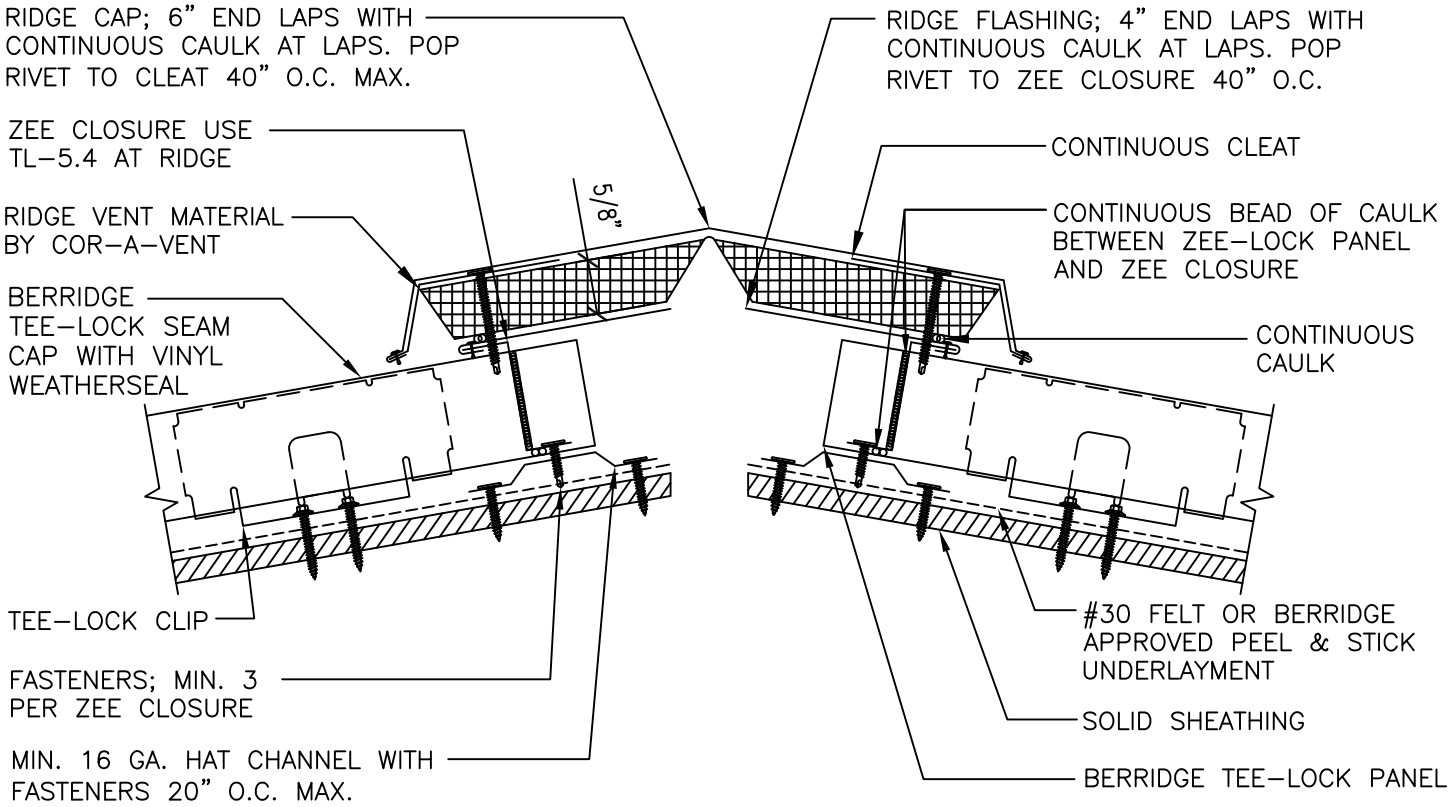
TL-21



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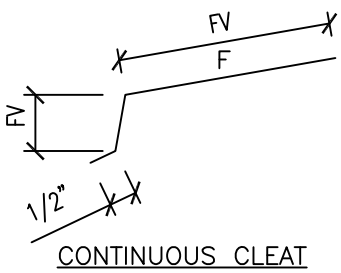

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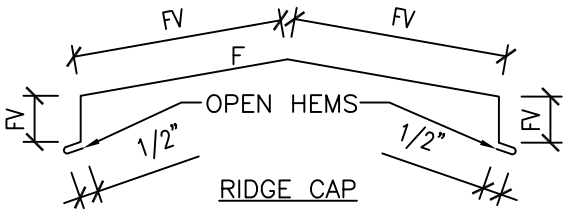
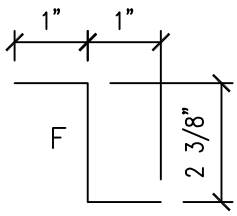
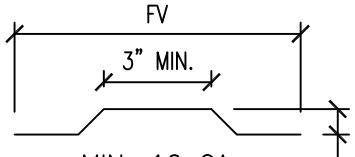


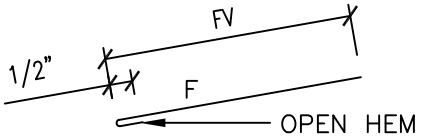
RIDGE CAP



ZEE CLOSURE



MIN. 16 GA. HAT CHANNEL



RIDGE FLASHING

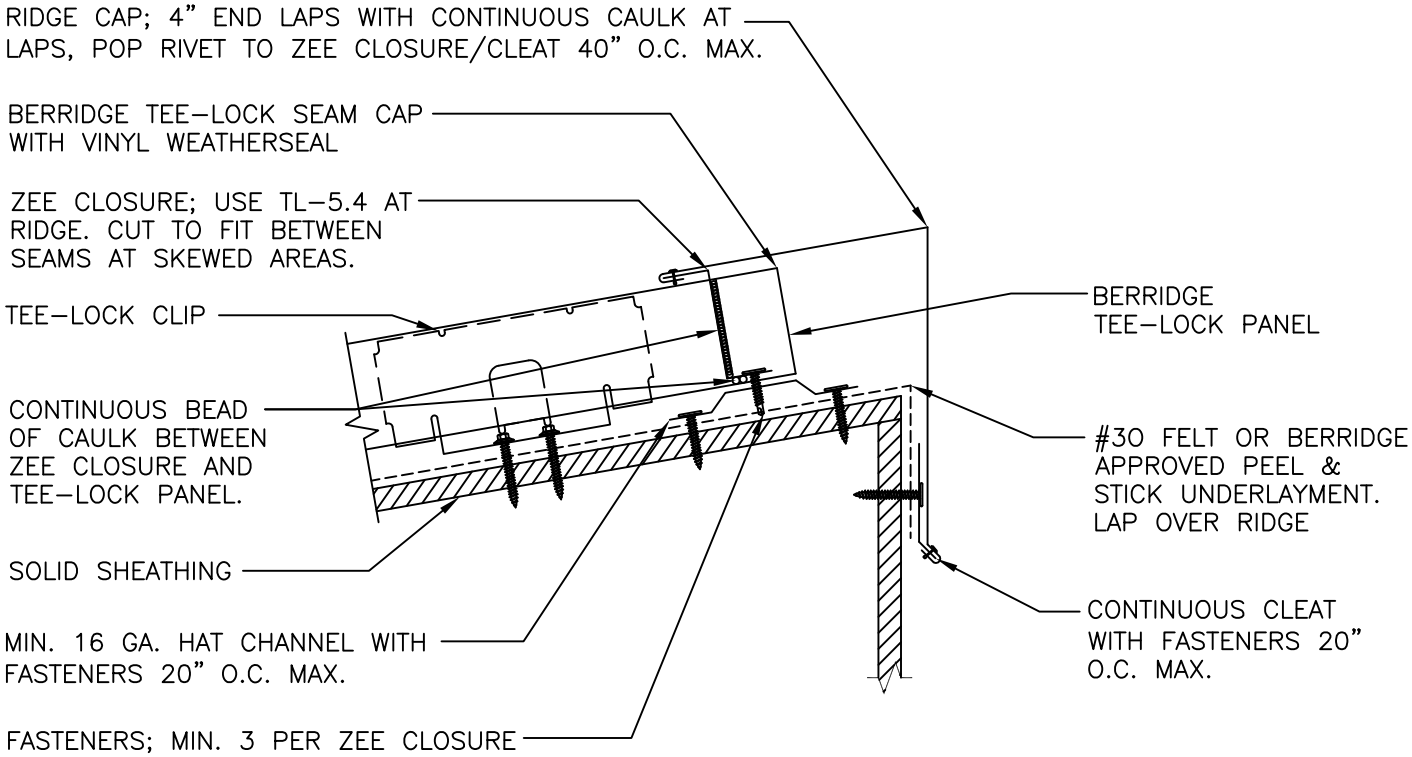
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

VENTED RIDGE DETAIL SOLID SHEATHING

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
TL-21V



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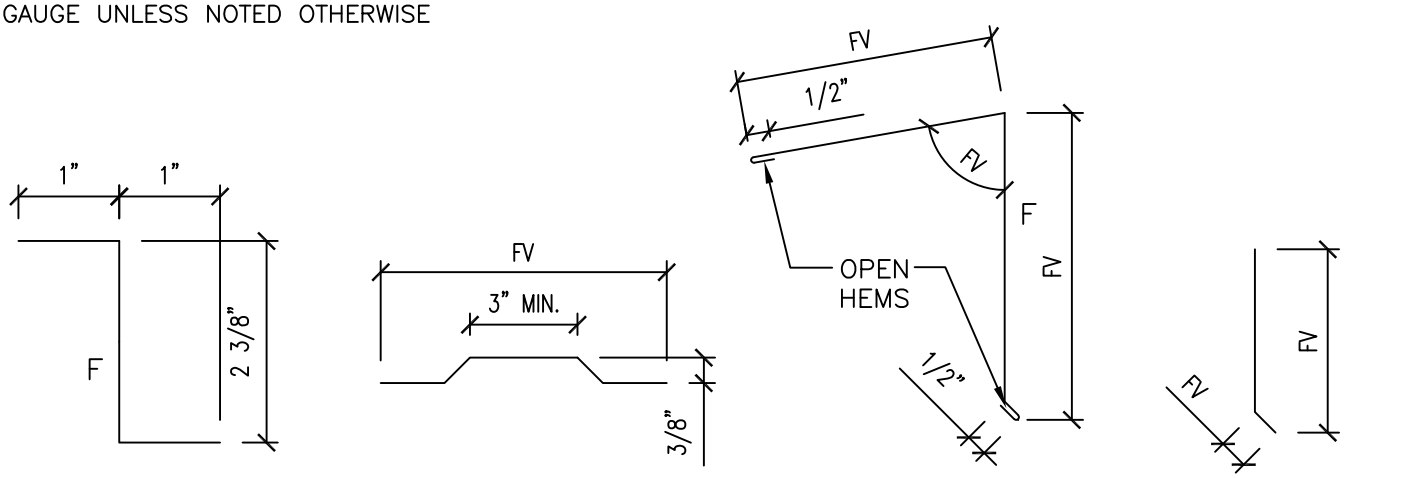


ZEE CLOSURE | MIN. 16 GA. HAT CHANNEL | RIDGE CAP | CONTINUOUS CLEAT

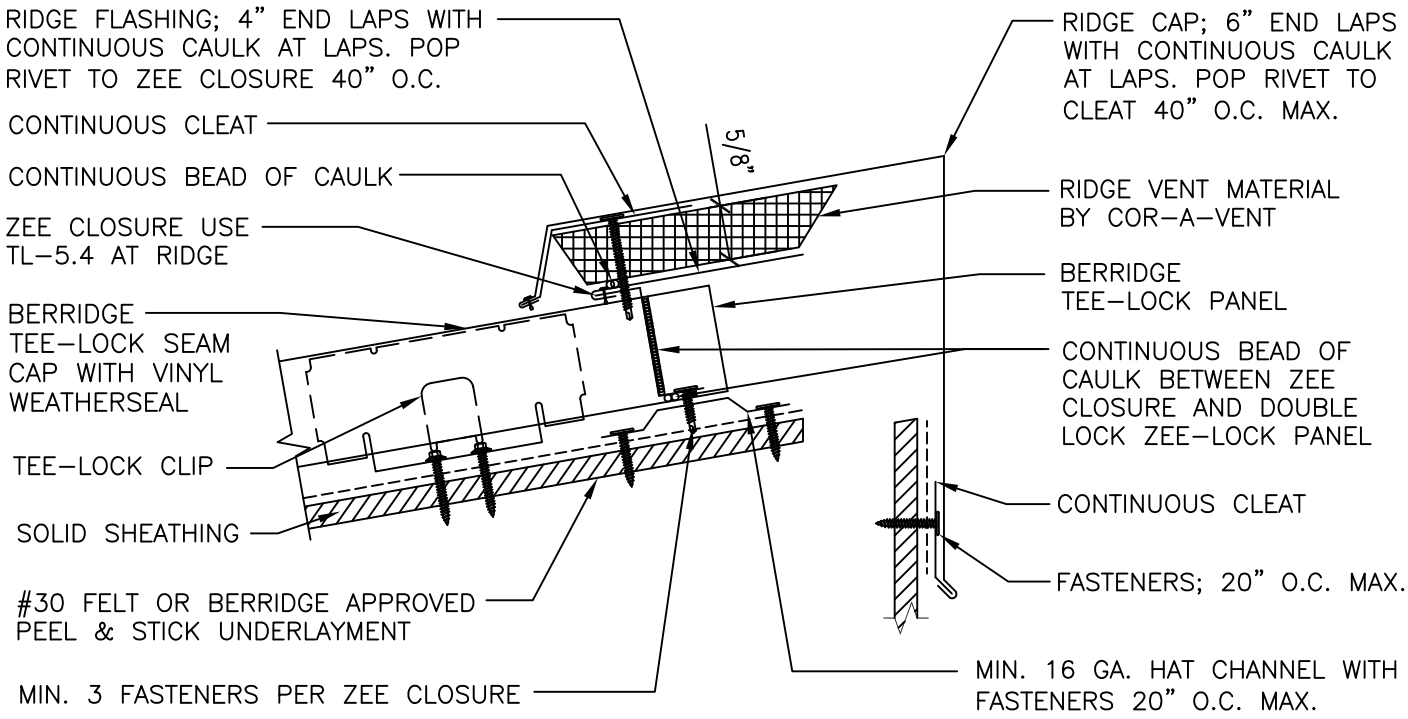
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

SHED RIDGE DETAIL SOLID SHEATHING

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
TL-22



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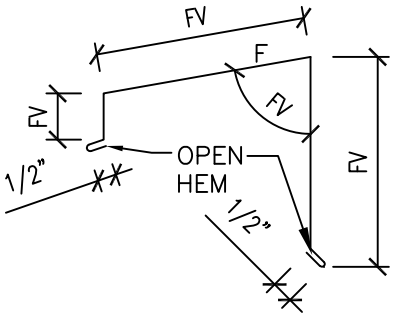

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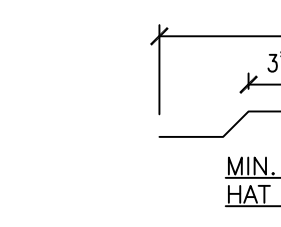
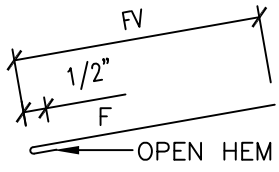
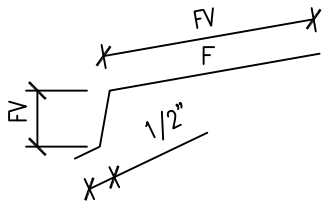




RIDGE FLASHING



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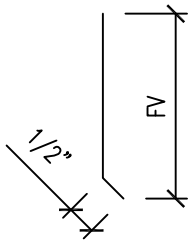


CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

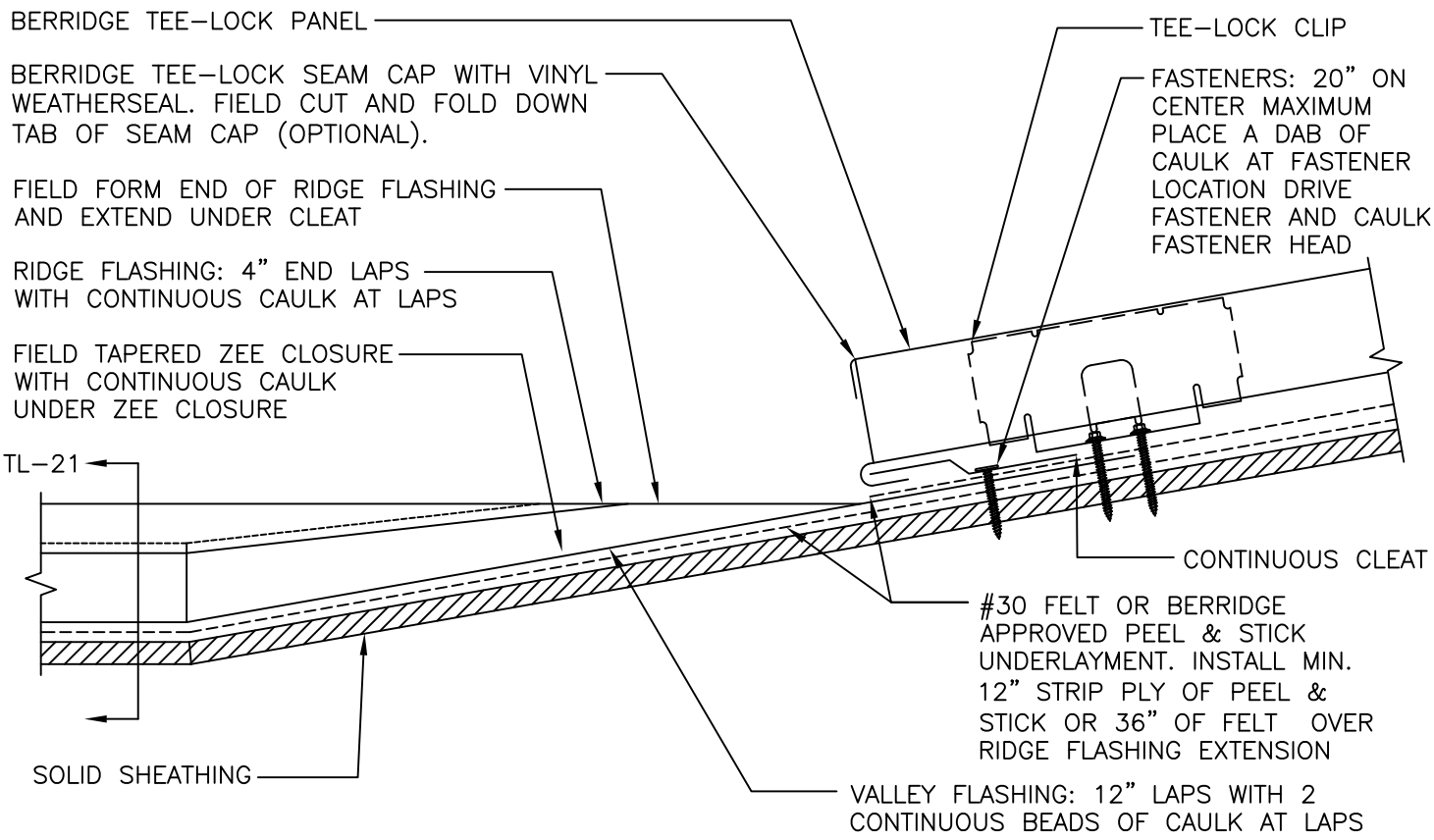
SHED RIDGE DETAIL SOLID SHEATHING

DOUBLE LOCK ZEE-LOCK PANEL

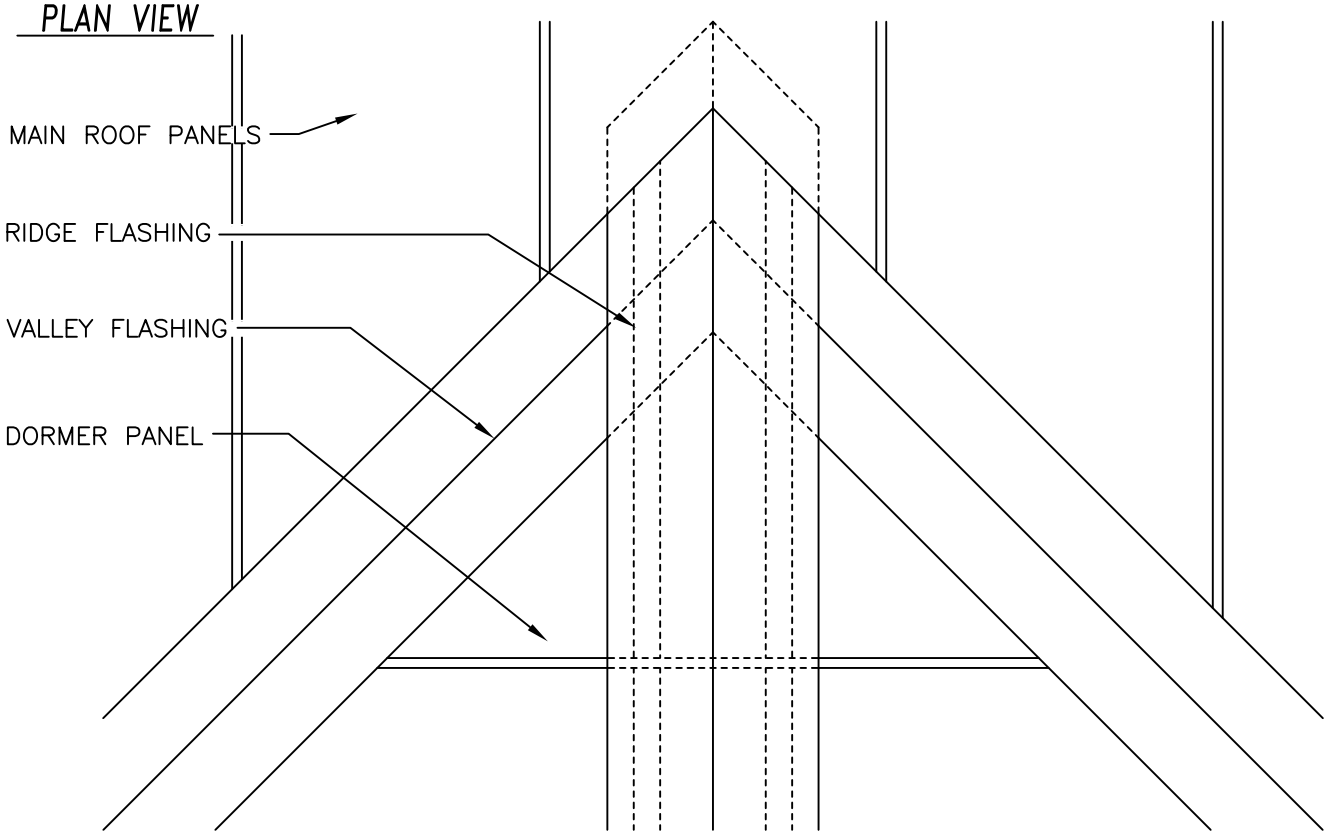
DATE: 9/20

PAGE\FILE
TL-22V

SECTION VIEW



PLAN VIEW



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

RIDGE TERMINATION SLOPES LESS THAN 3:12

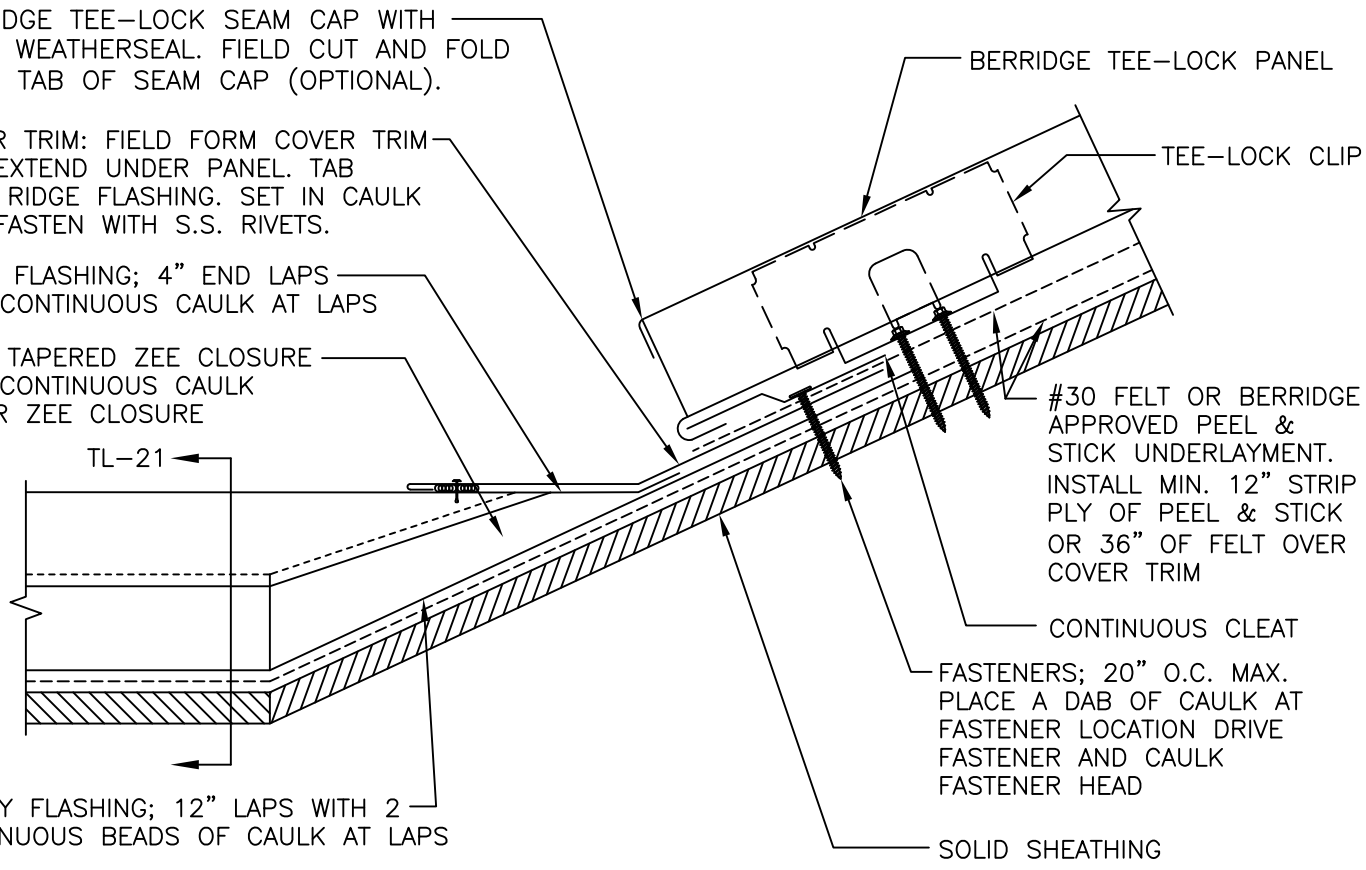
DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–24

SECTION VIEW



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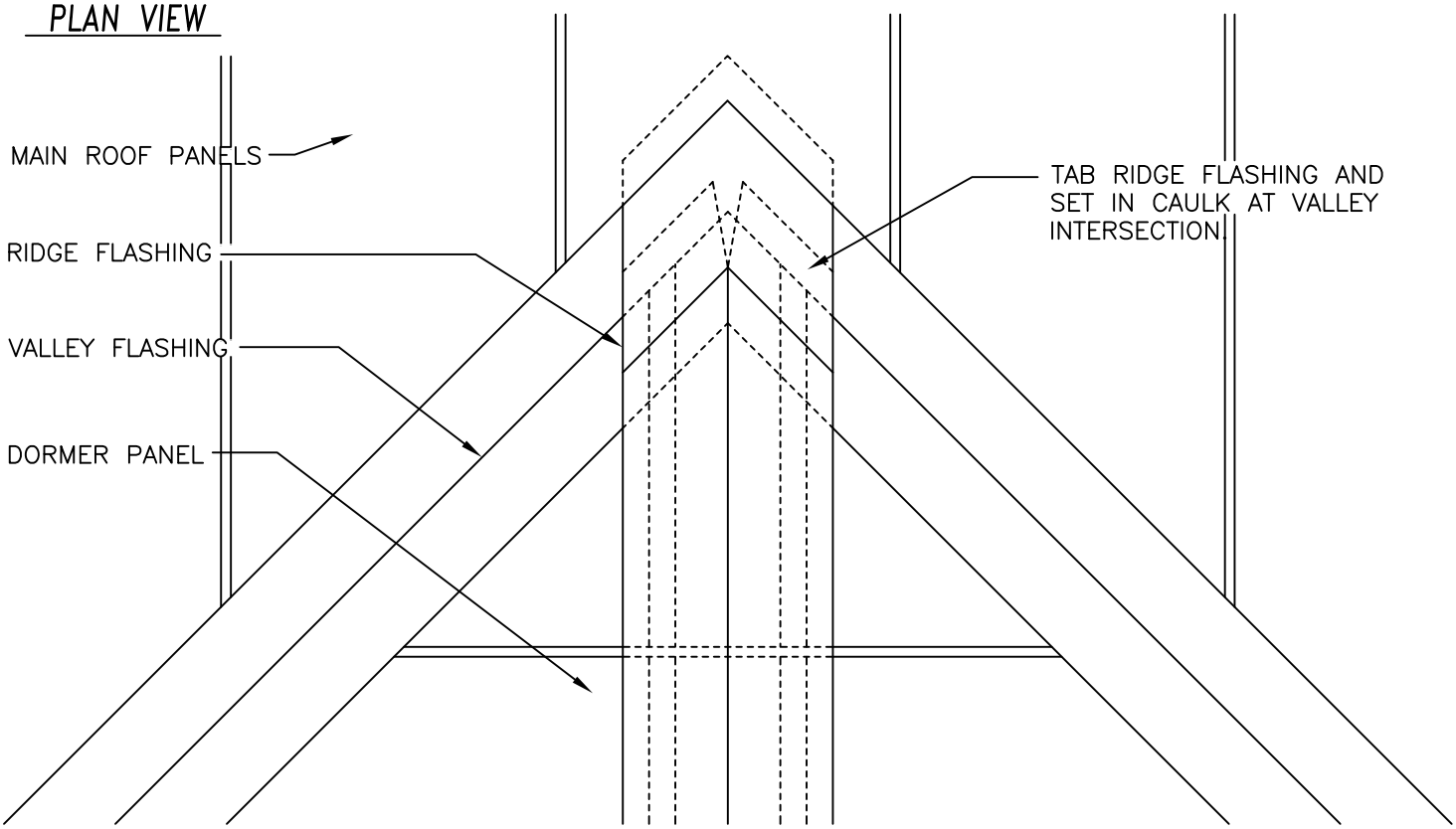


BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

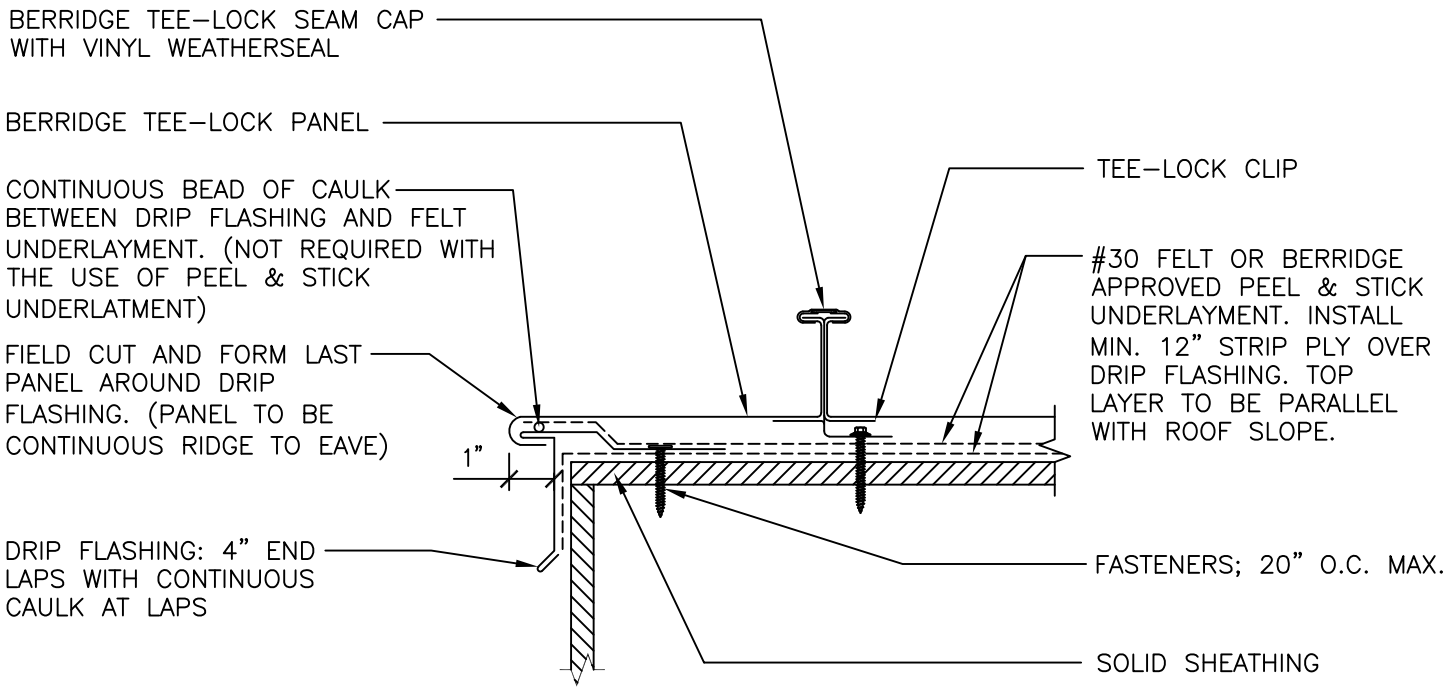
RIDGE TERMINATION SLOPES GREATER THAN 3:12

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

TL–24A



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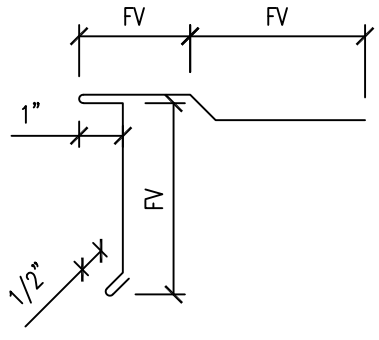

DRIP FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL PANEL TURNDOWN SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
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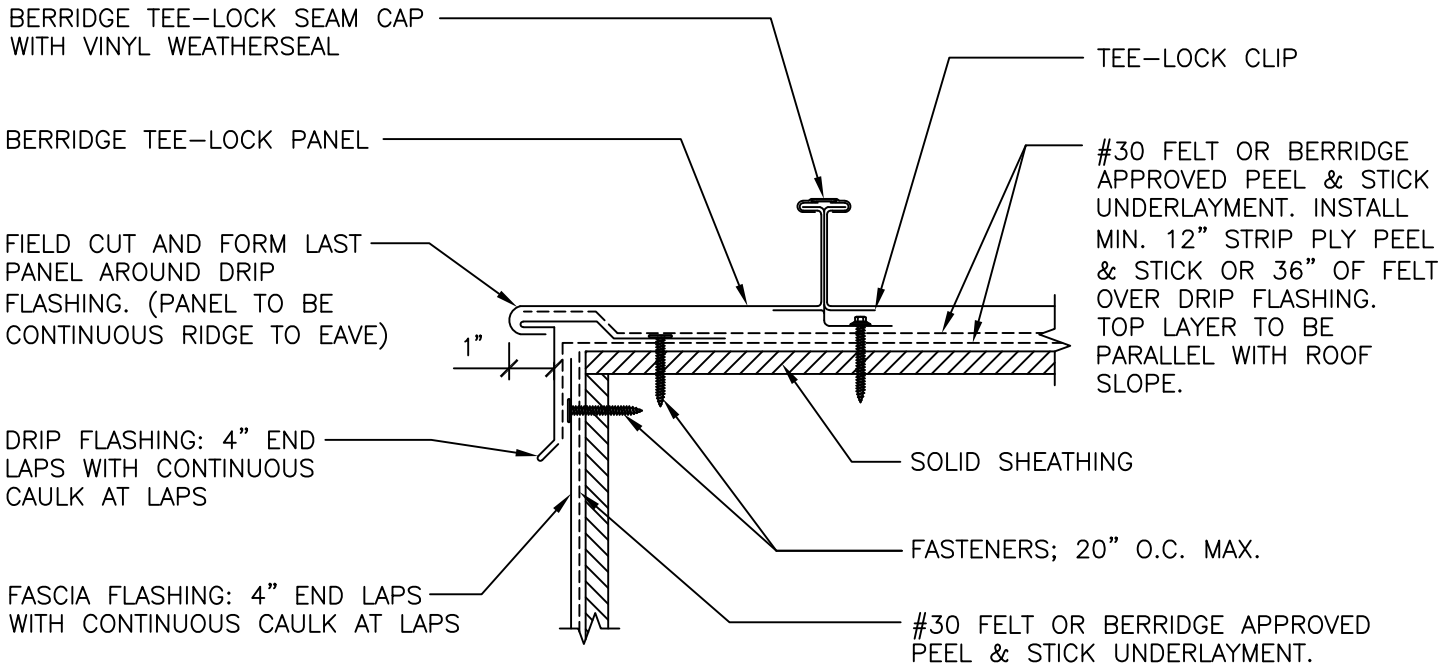

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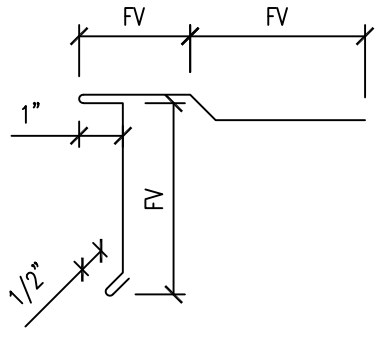


DRIP FLASHING

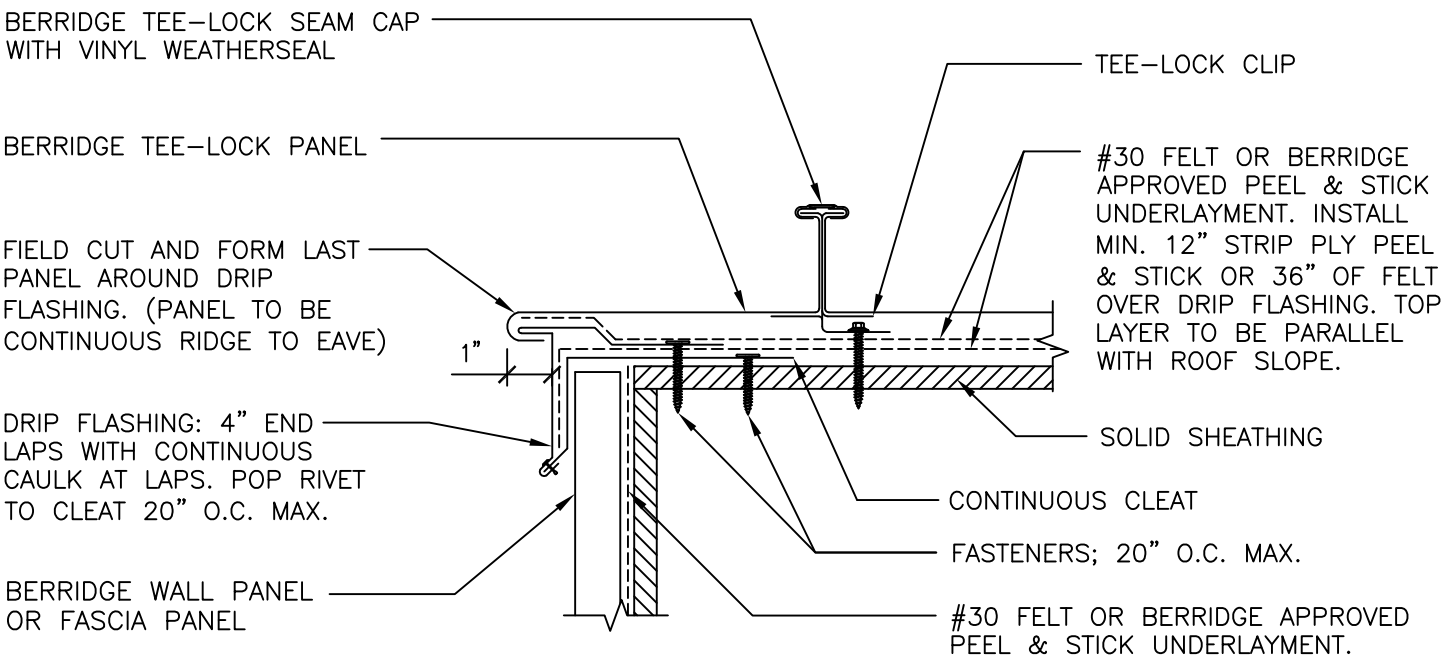
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–30F



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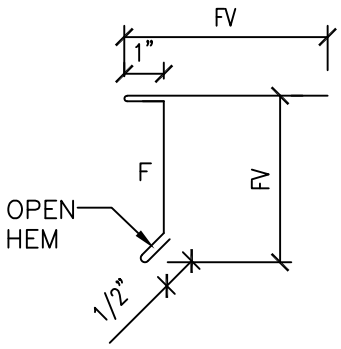

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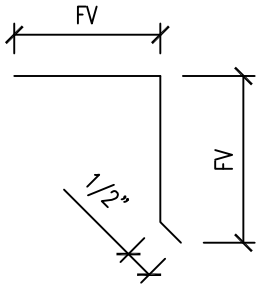

CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

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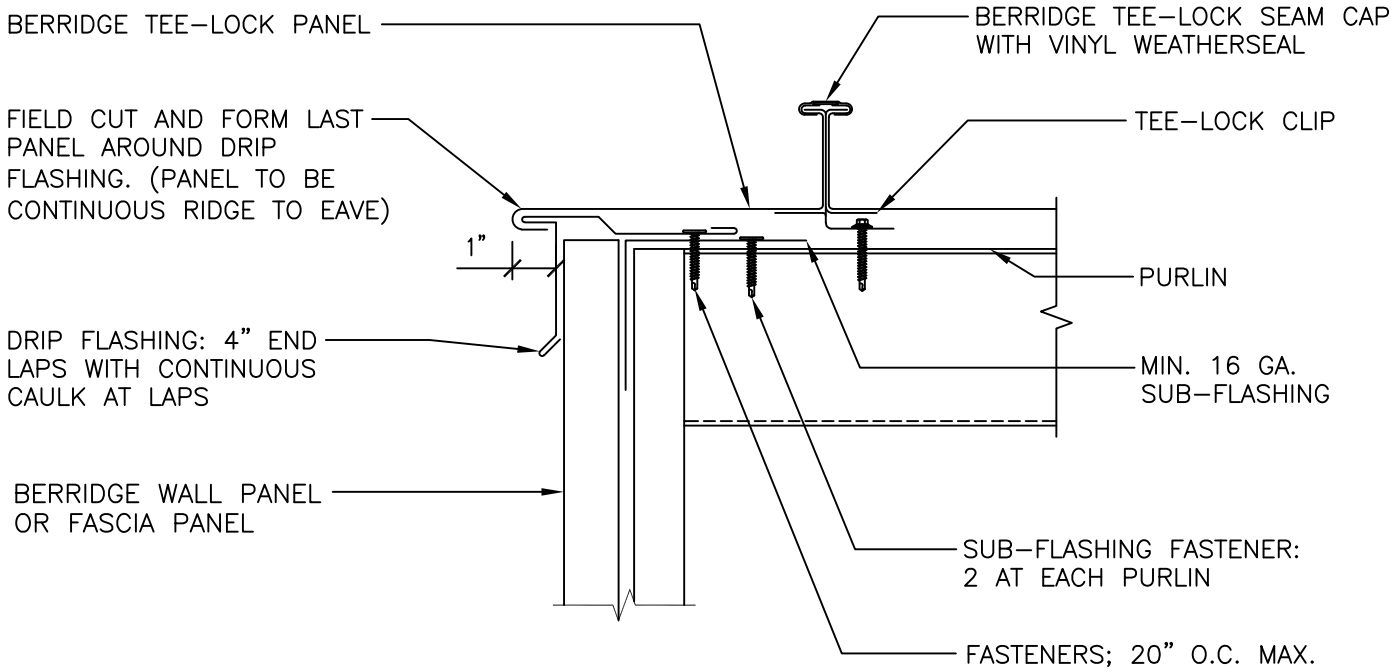

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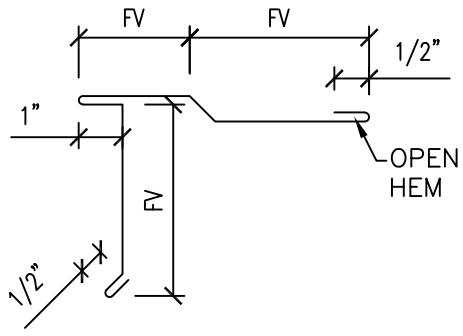

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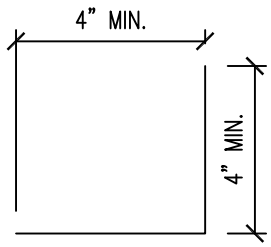


MIN. 16 GA. SUB–FLASHING

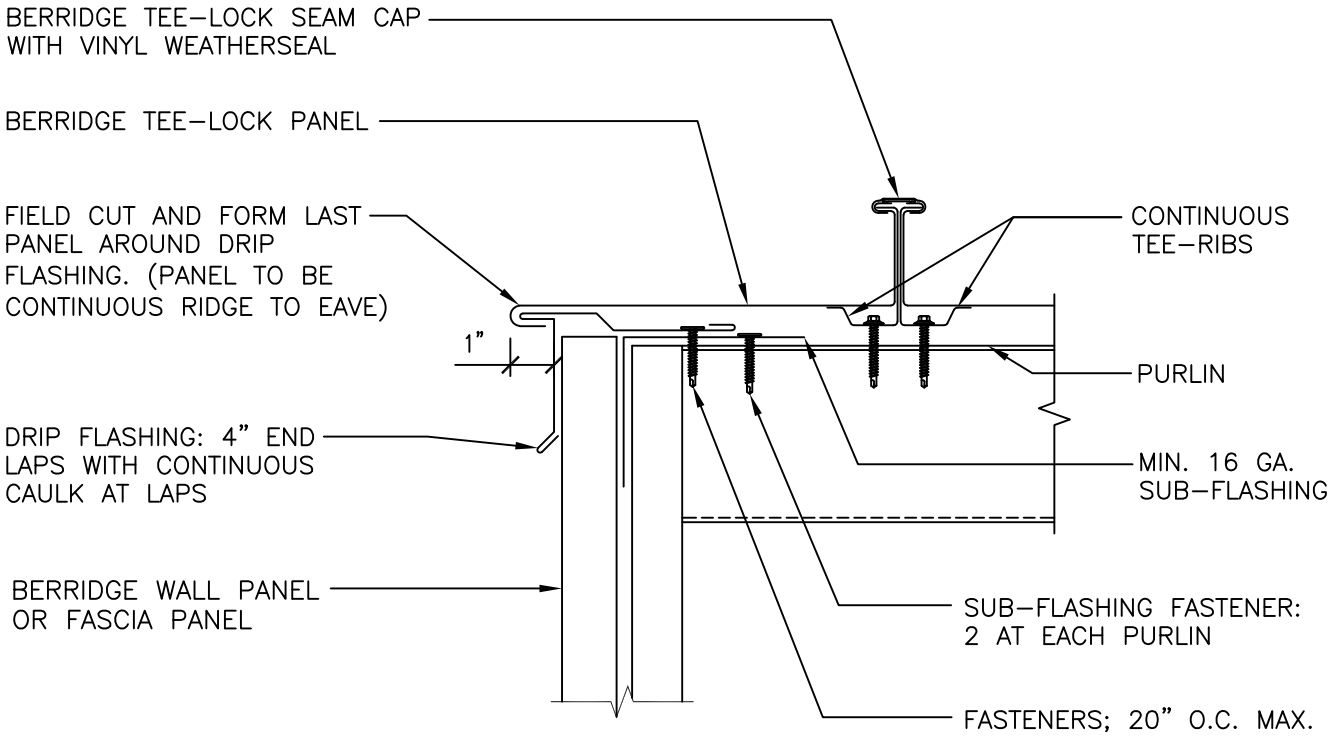
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL
PANEL TURNDOWN
OPEN FRAMING

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–31



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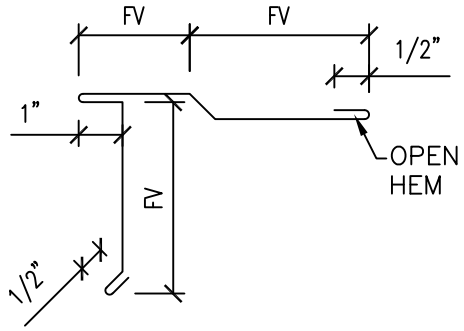

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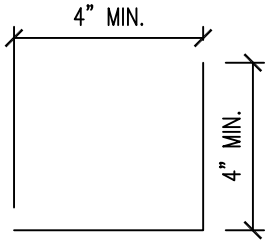

MIN. 16 GA. SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

GABLE DETAIL PANEL TURNDOWN OPEN FRAMING

DATE: 5/23

TEE–LOCK PANEL

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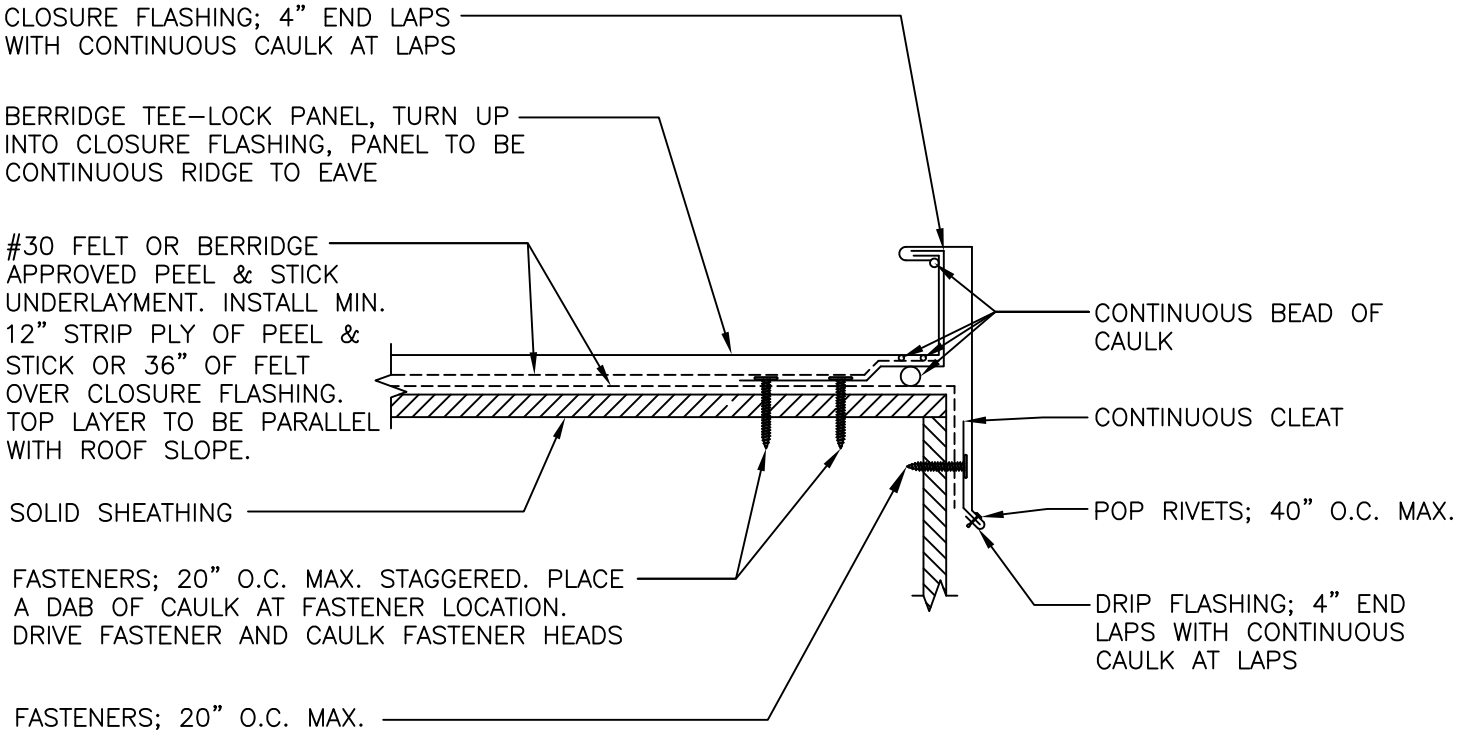

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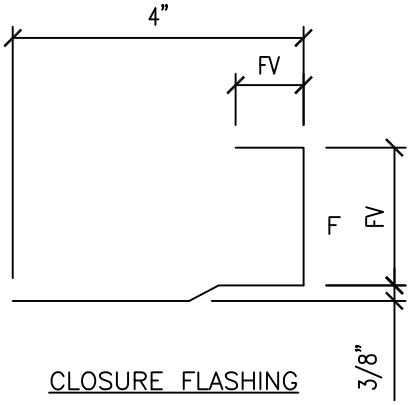
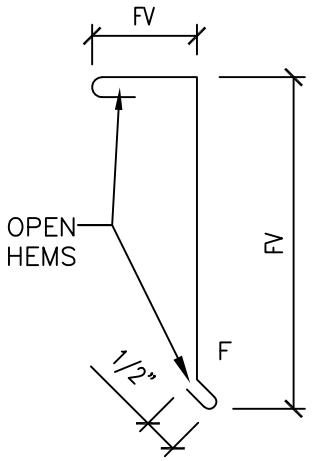


CLOSURE FLASHING



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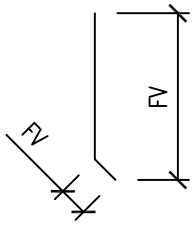


CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

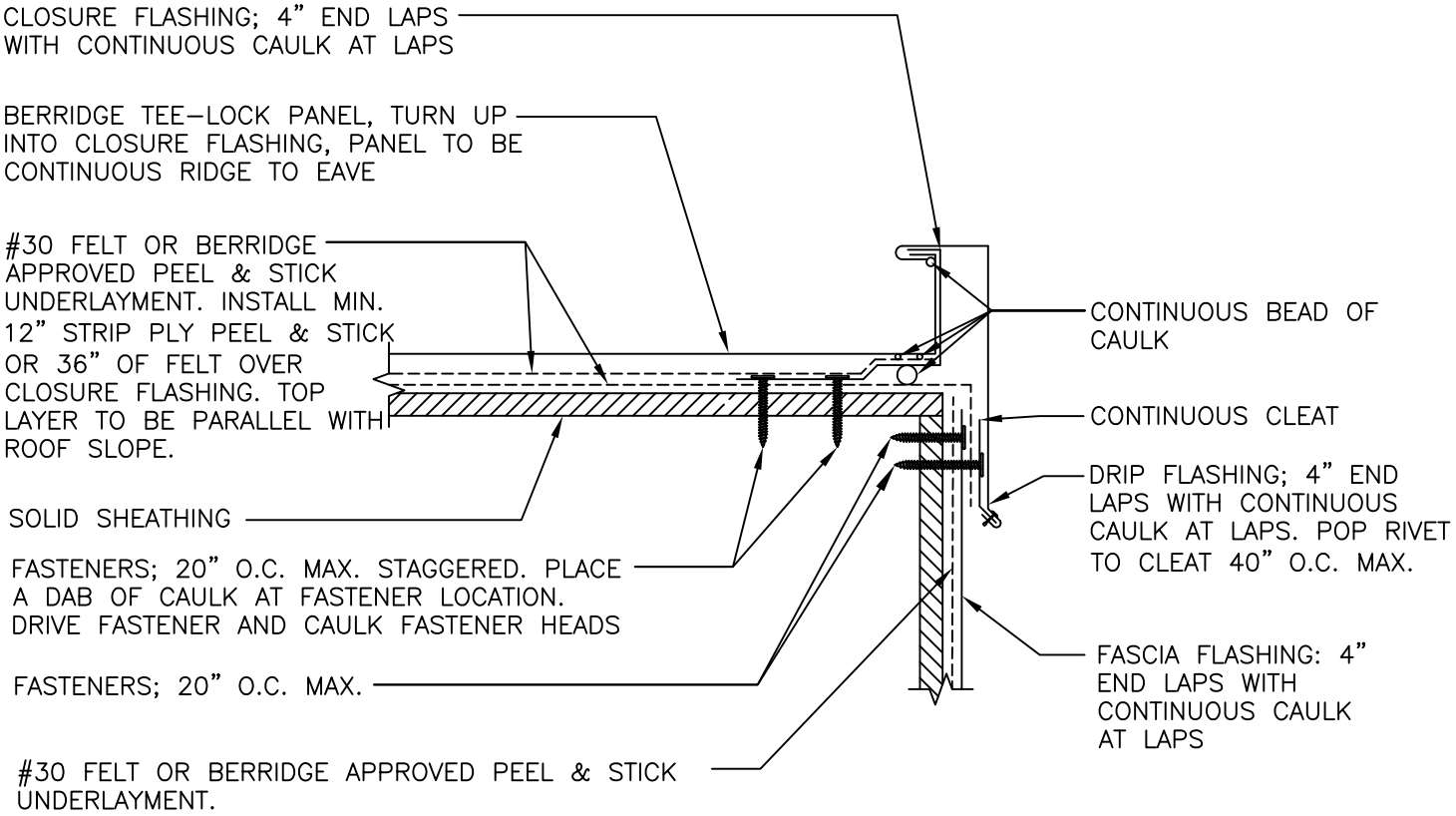
GABLE DETAIL CLOSURE FLASHING SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

TL–33C



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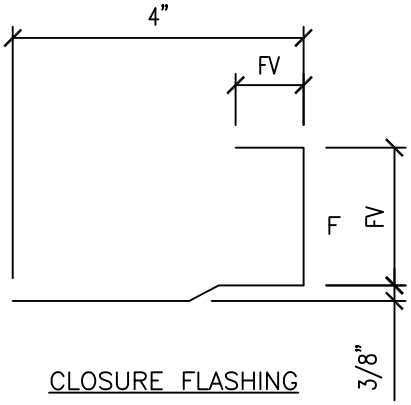
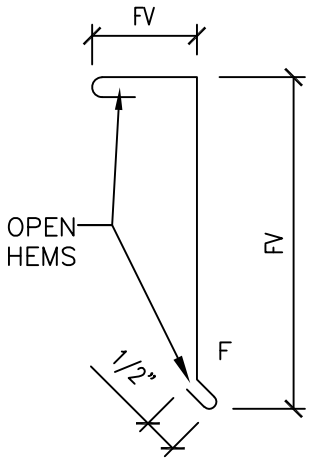


CLOSURE FLASHING



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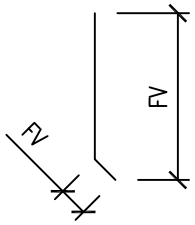


CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY

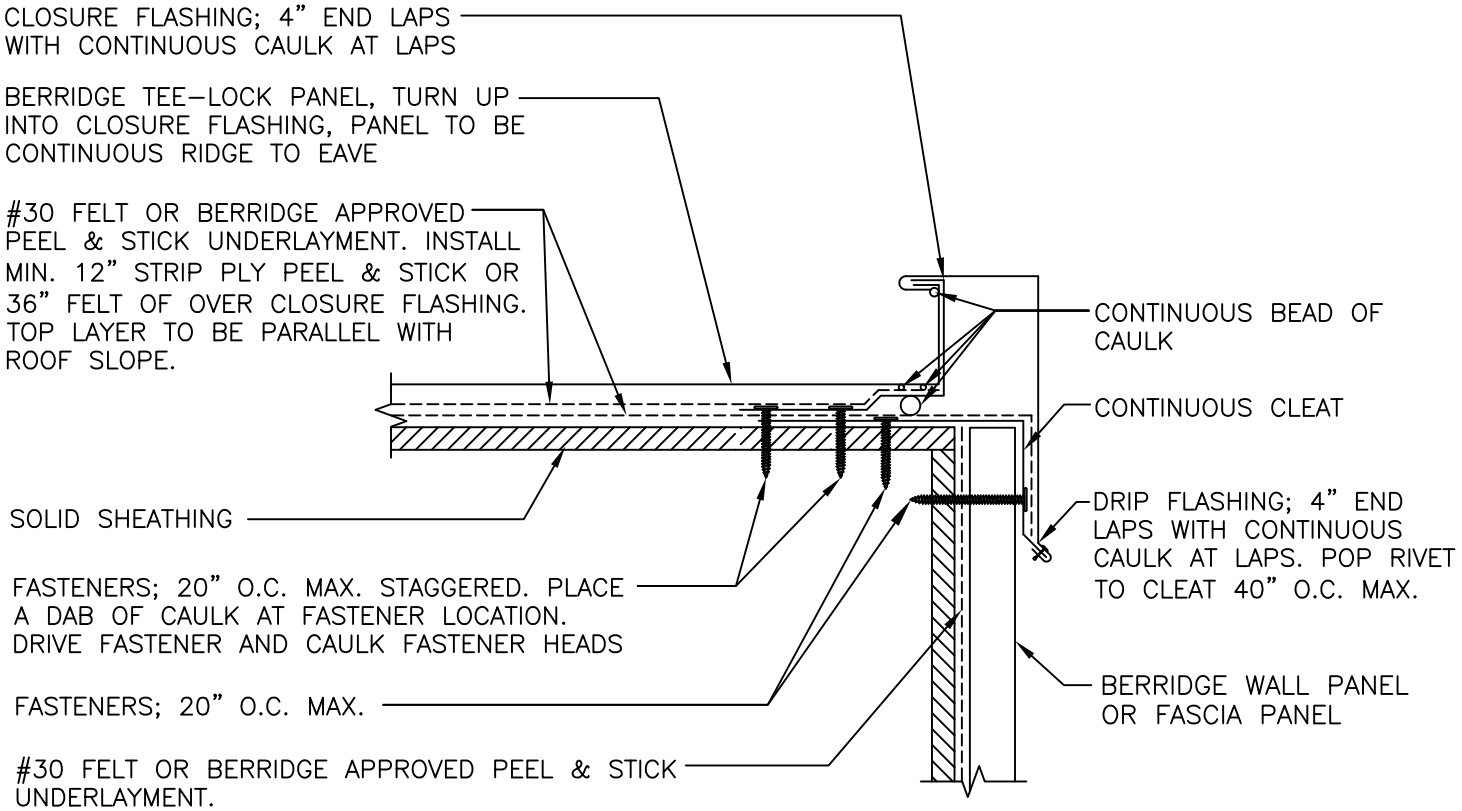
Roofs of Distinction

GABLE DETAIL CLOSURE FLASHING SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
TL-33CF



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

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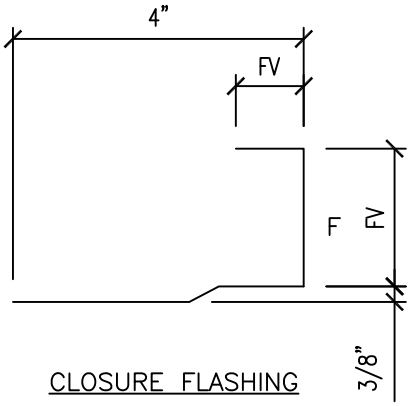

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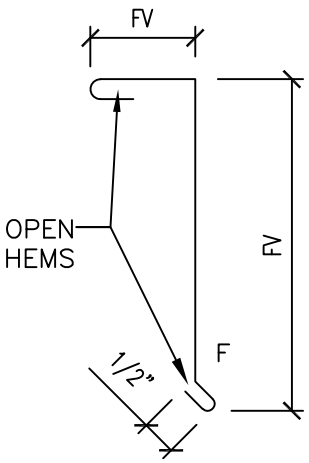

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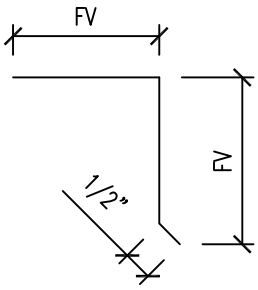

CONTINUOUS CLEAT

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

GABLE DETAIL CLOSURE FLASHING SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

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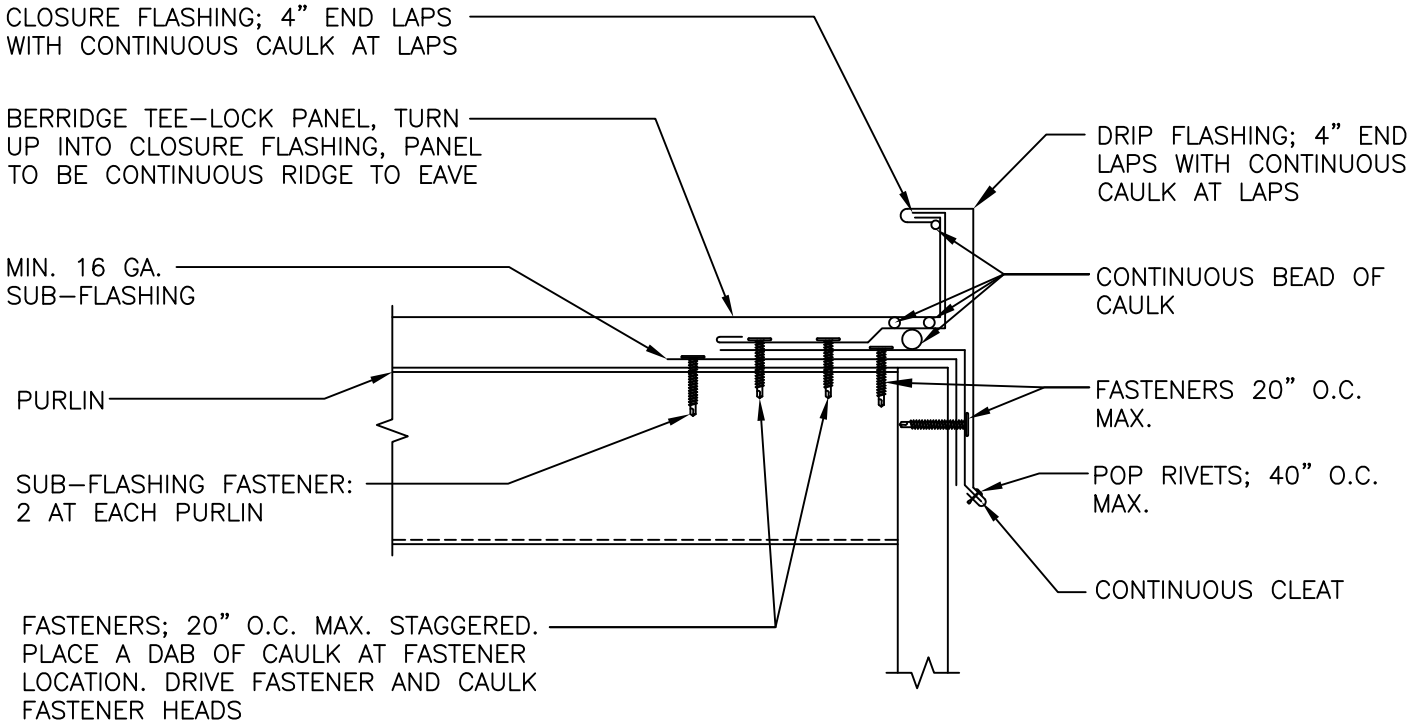

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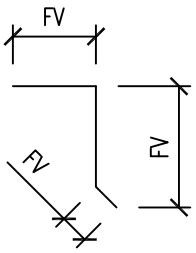
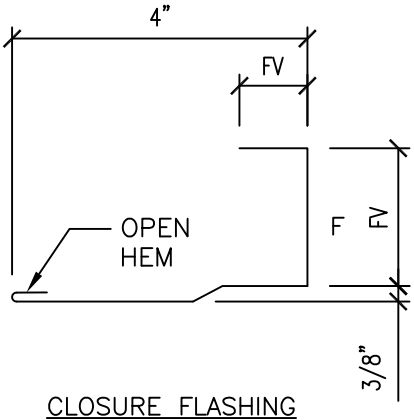
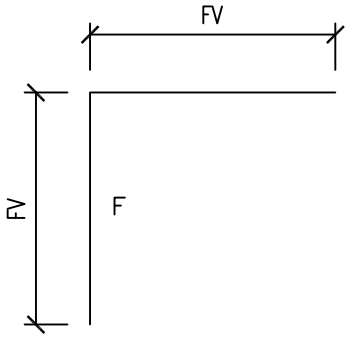


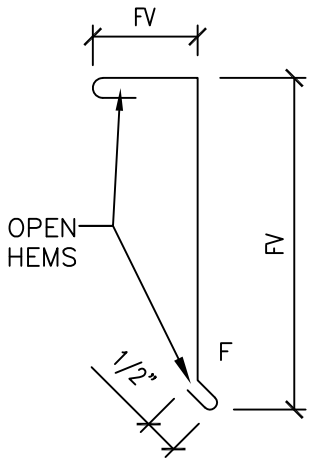
CONTINUOUS CLEAT



CLOSURE FLASHING



MIN. 16 GA. SUB–FLASHING



DRIP FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

GABLE DETAIL CLOSURE FLASHING OPEN FRAMING

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
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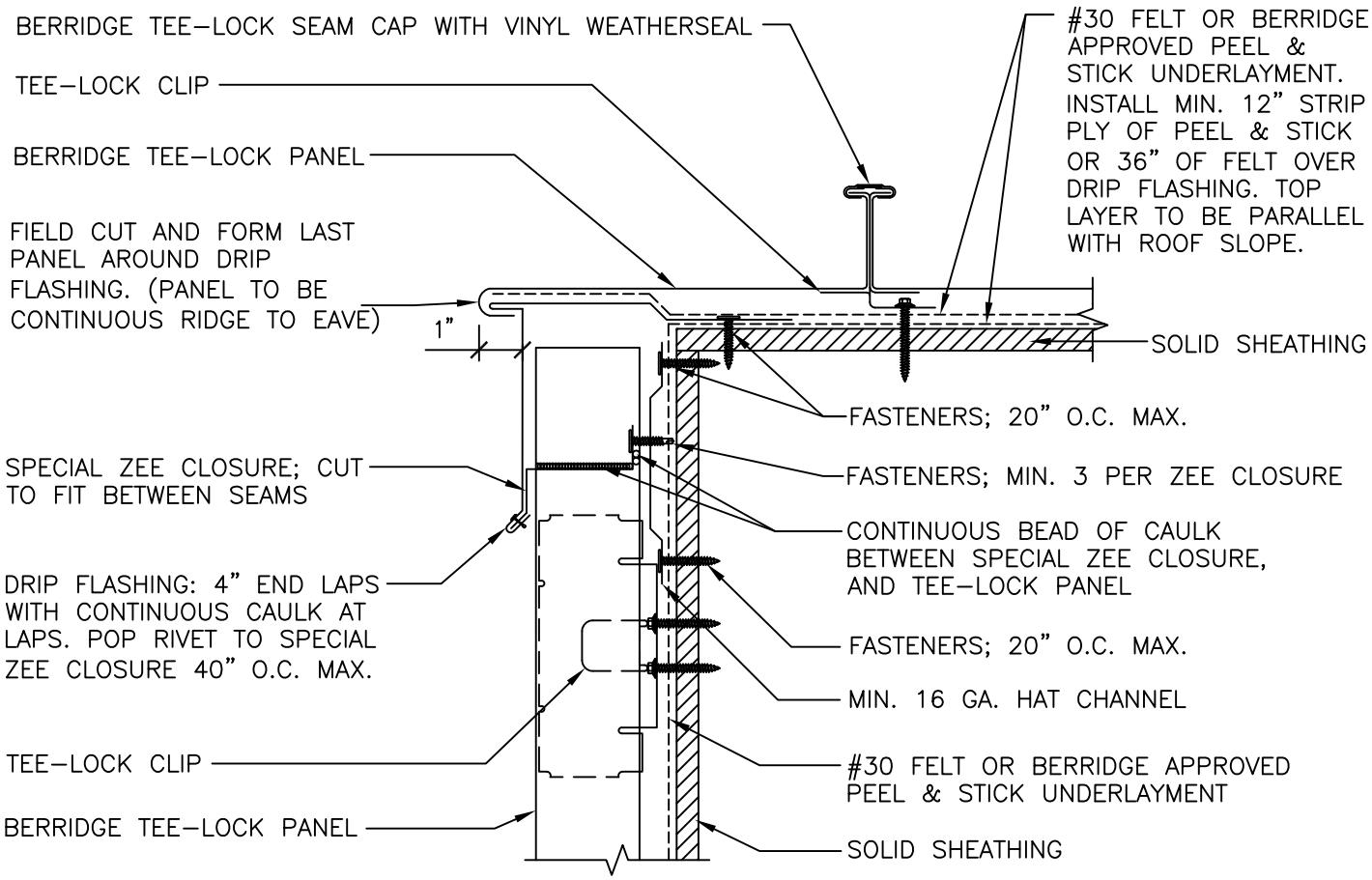

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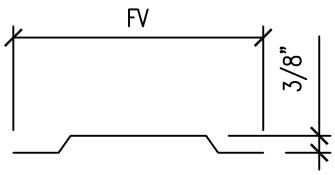
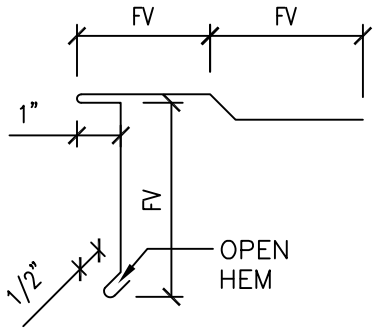
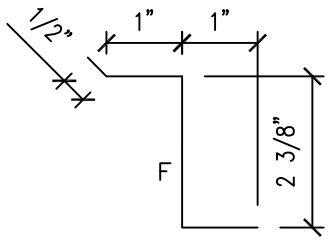


MIN. 16 GA. HAT CHANNEL



DRIP FLASHING



SPECIAL ZEE CLOSURE

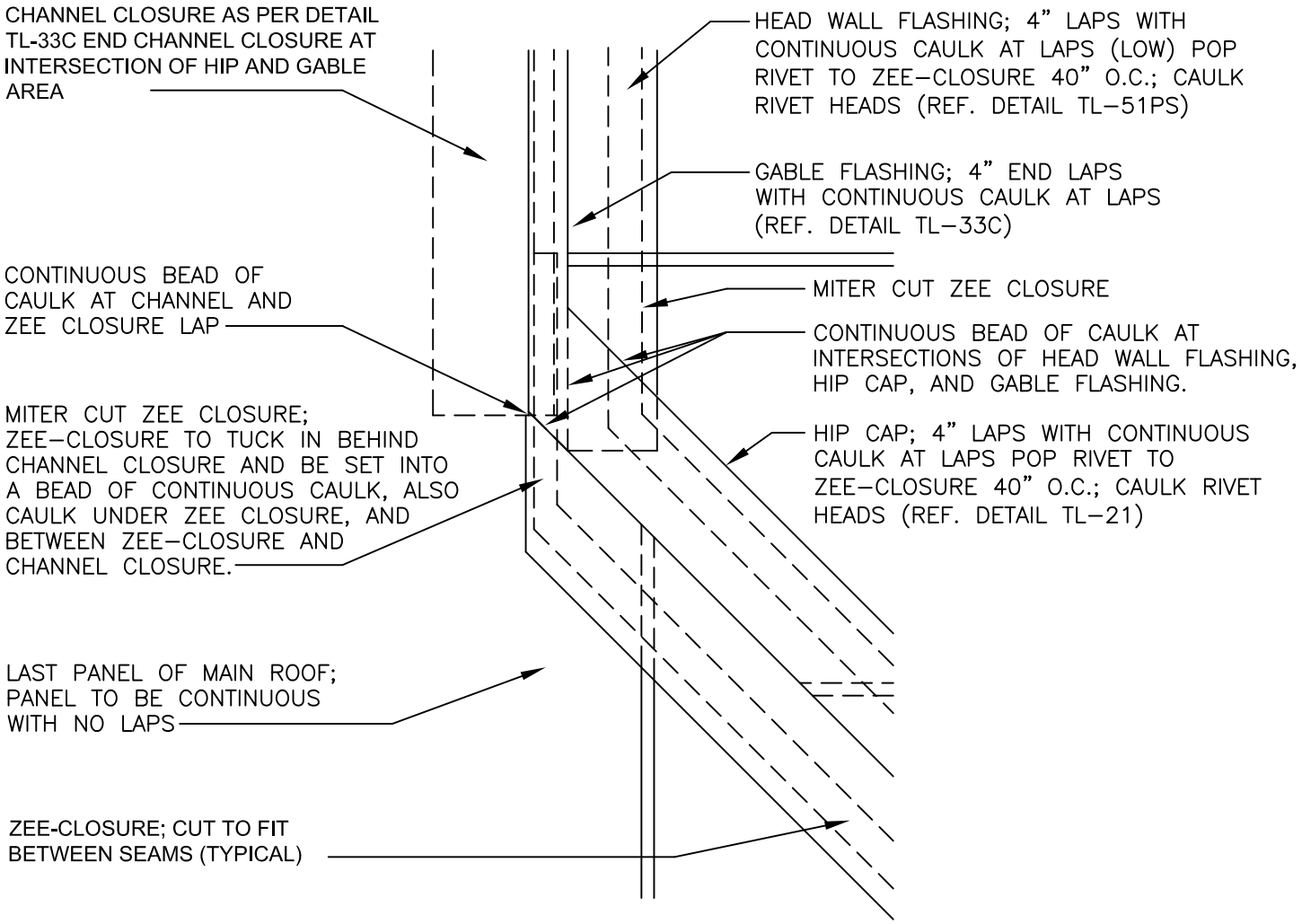
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

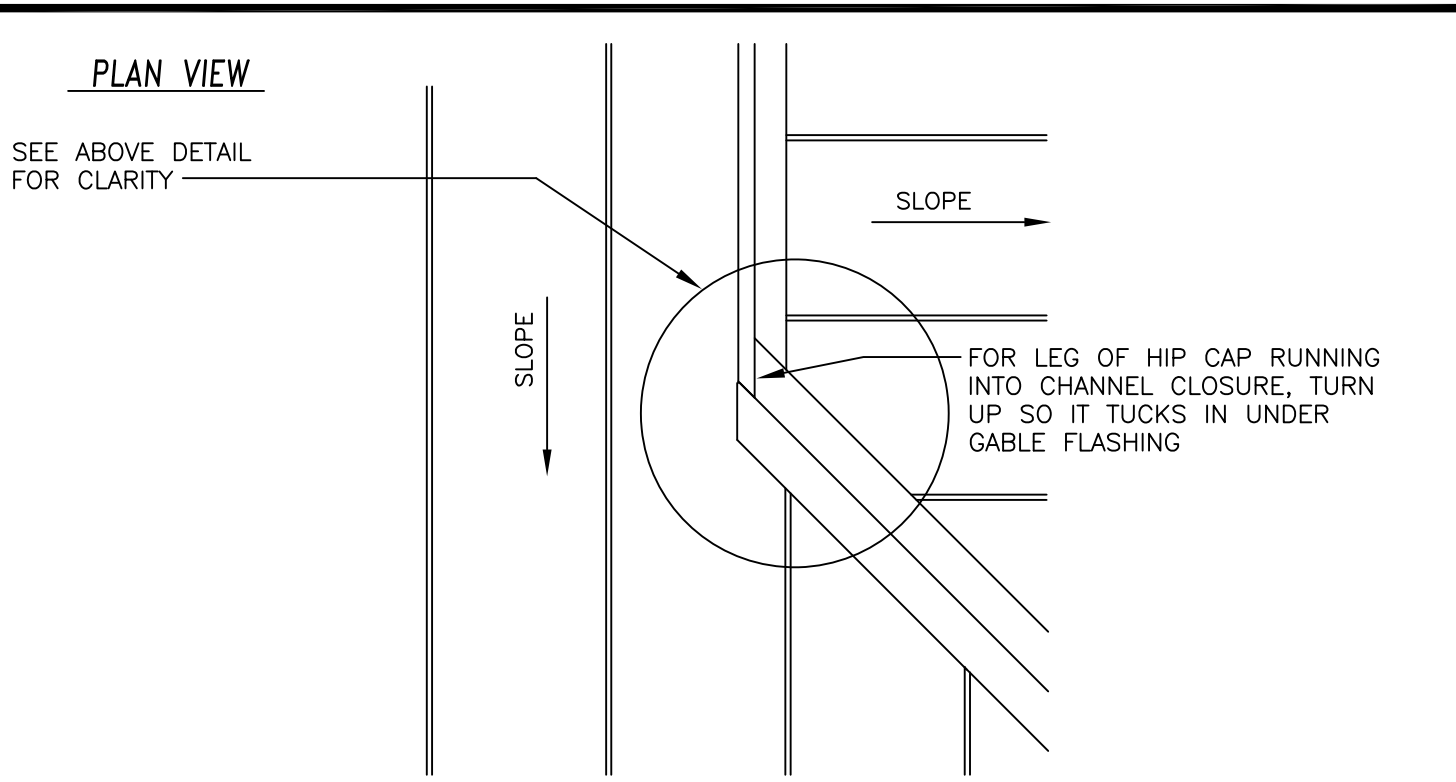
GABLE DETAIL TEE–LOCK WALL PANEL SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–35





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

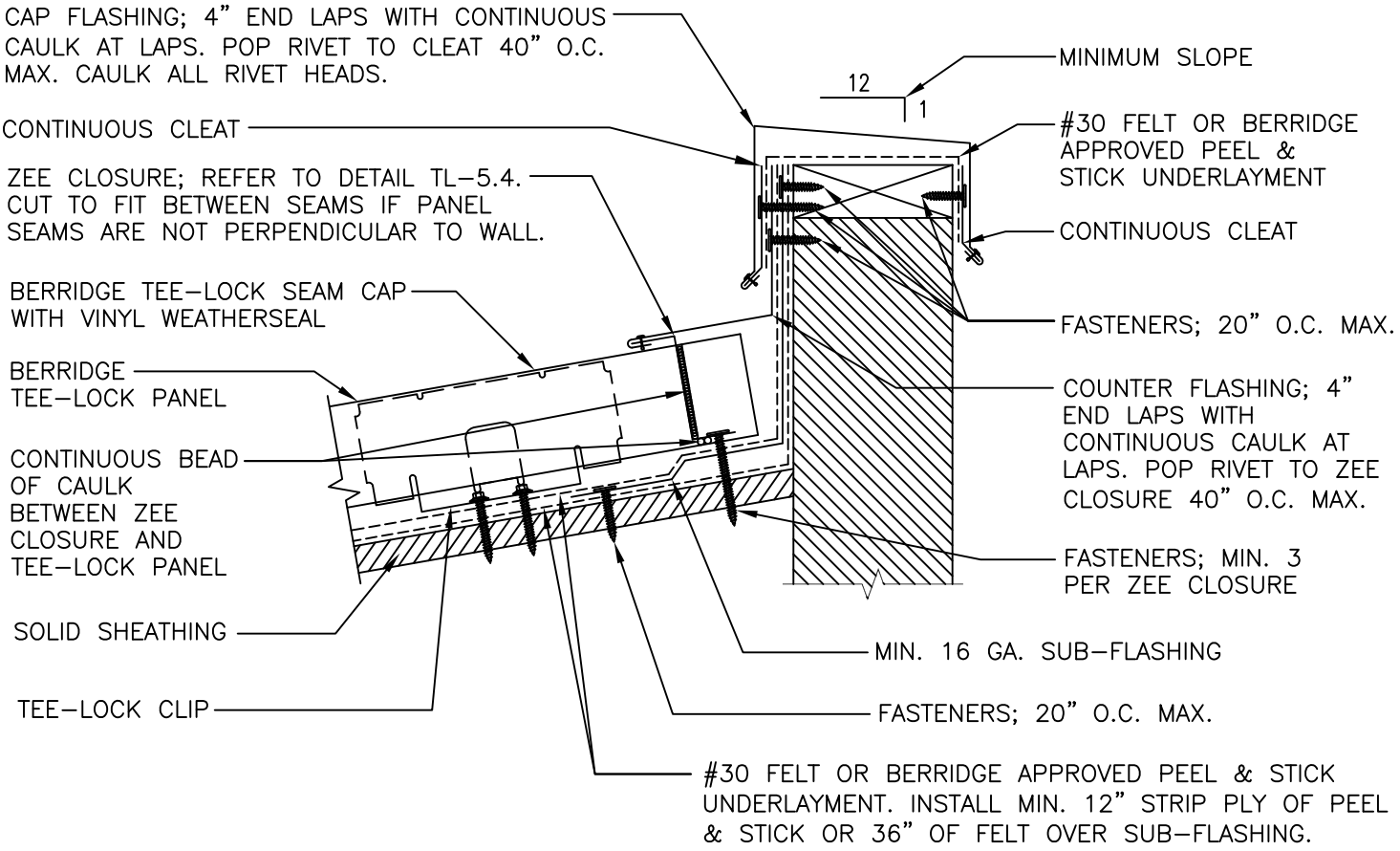
DUTCH GABLE DETAIL

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

TL-38



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

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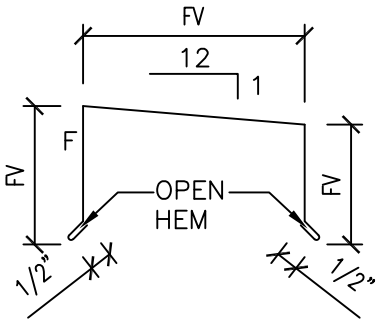
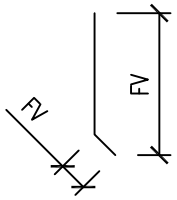
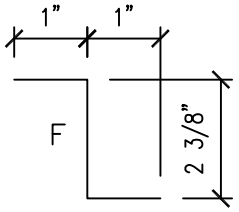


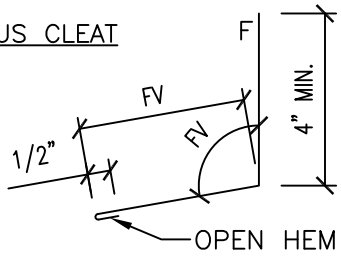
CAP FLASHING



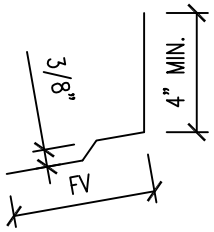
CONTINUOUS CLEAT



ZEE CLOSURE



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

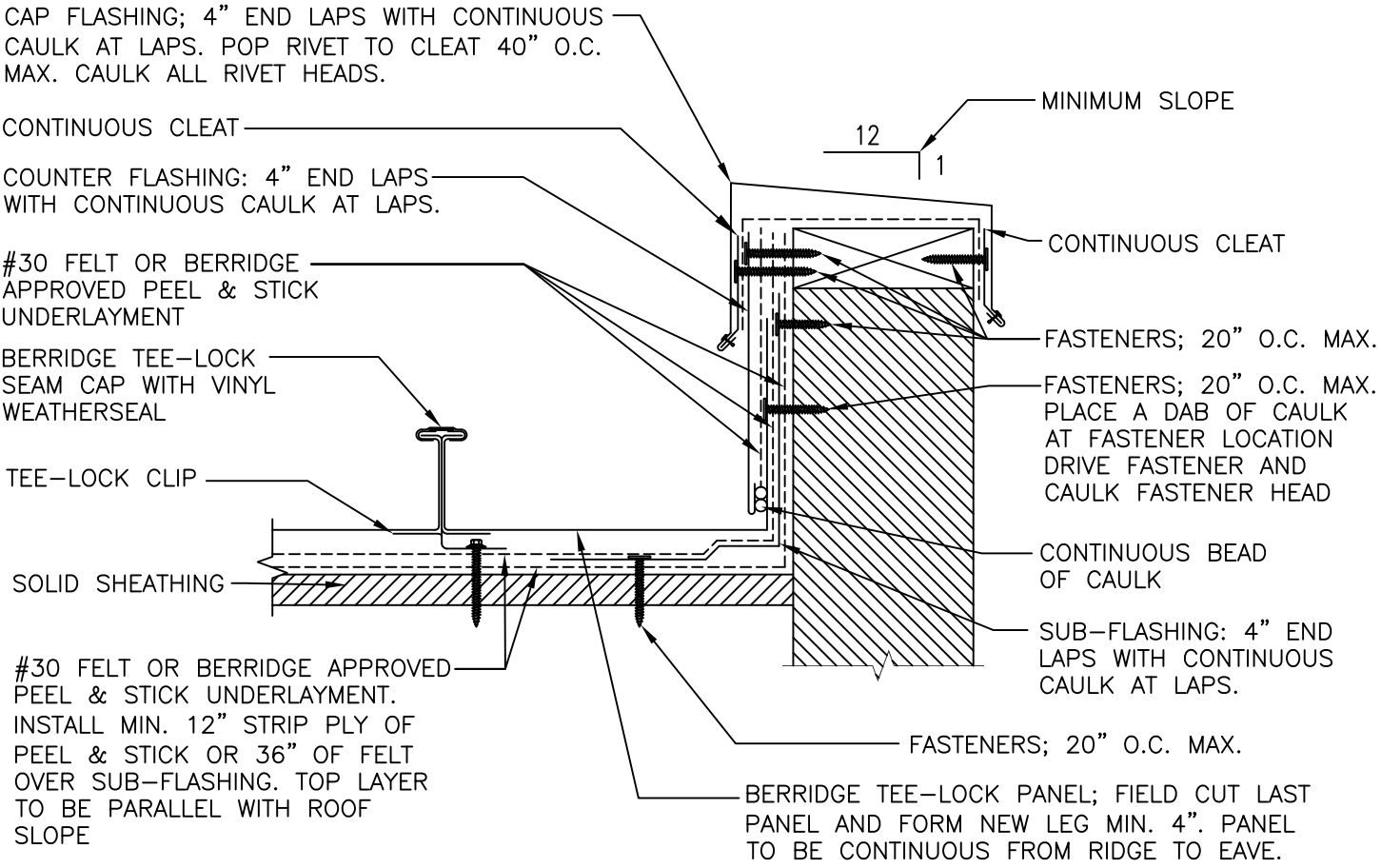
PARAPET DETAIL HEAD WALL SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

TL-40



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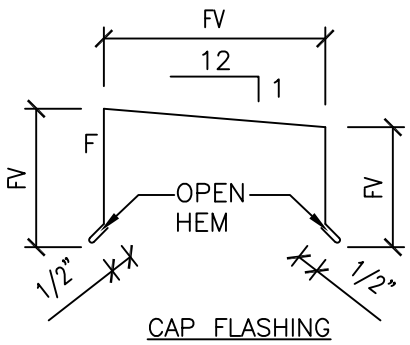
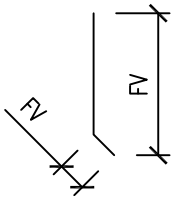
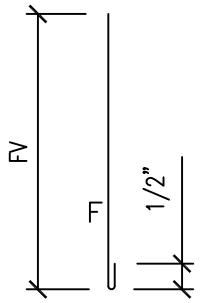


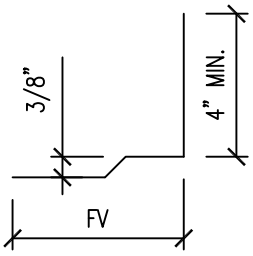
CAP FLASHING



CONTINUOUS CLEAT



COUNTER FLASHING



SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

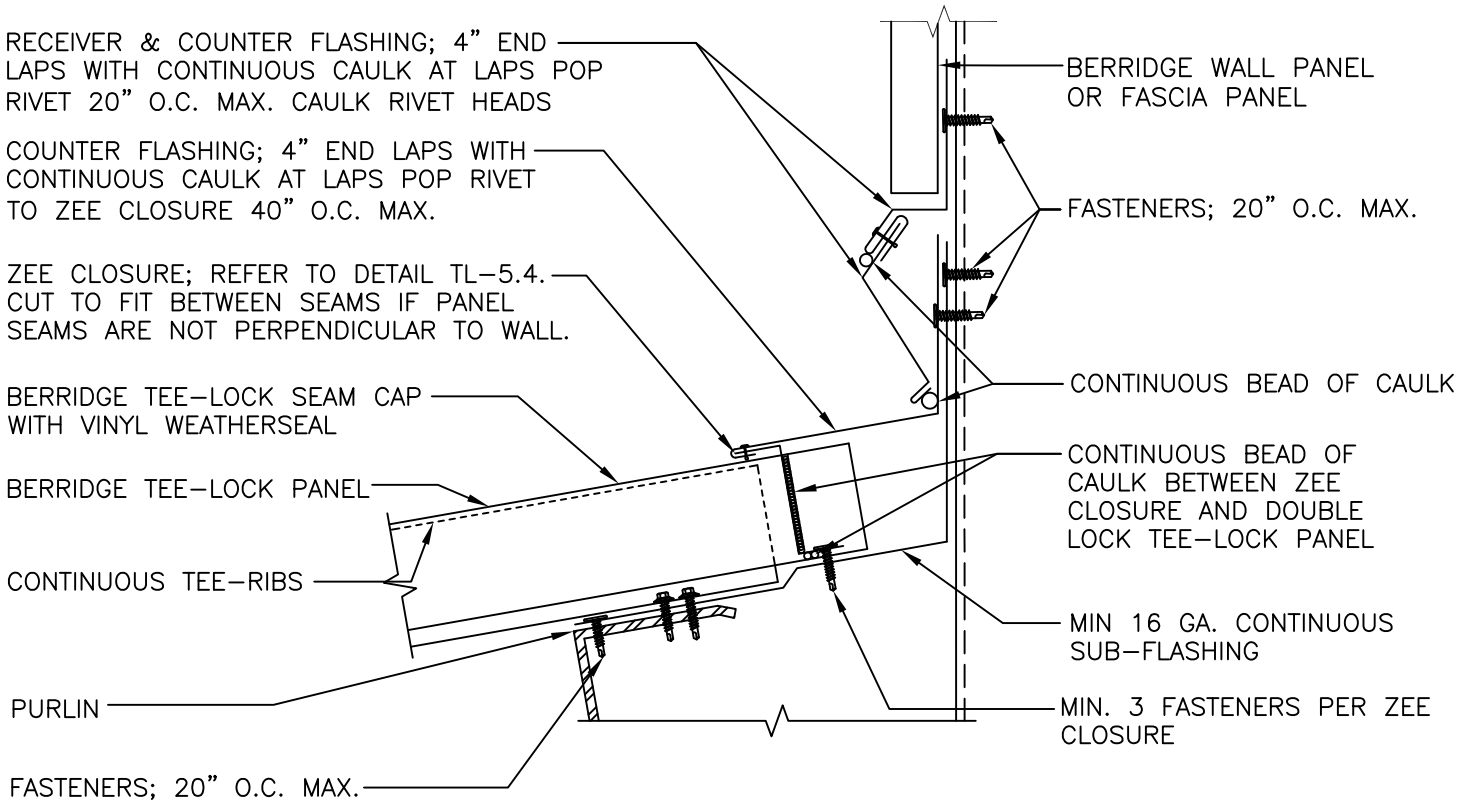
PARAPET DETAIL RAKE WALL SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

TL-41



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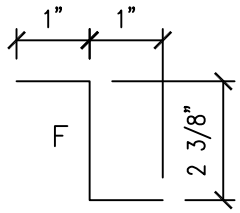
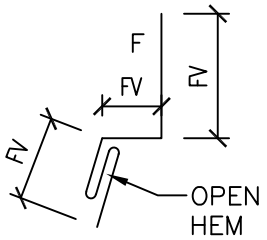


ZEE CLOSURE



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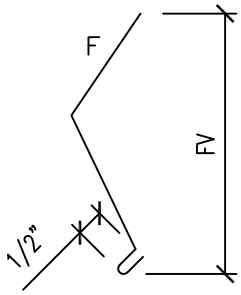

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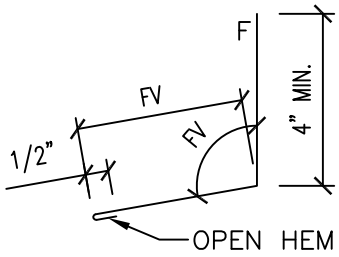
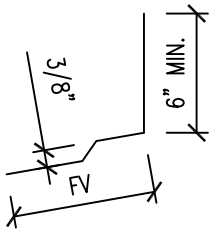


COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL RECEIVER FLASHING OPEN FRAMING

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
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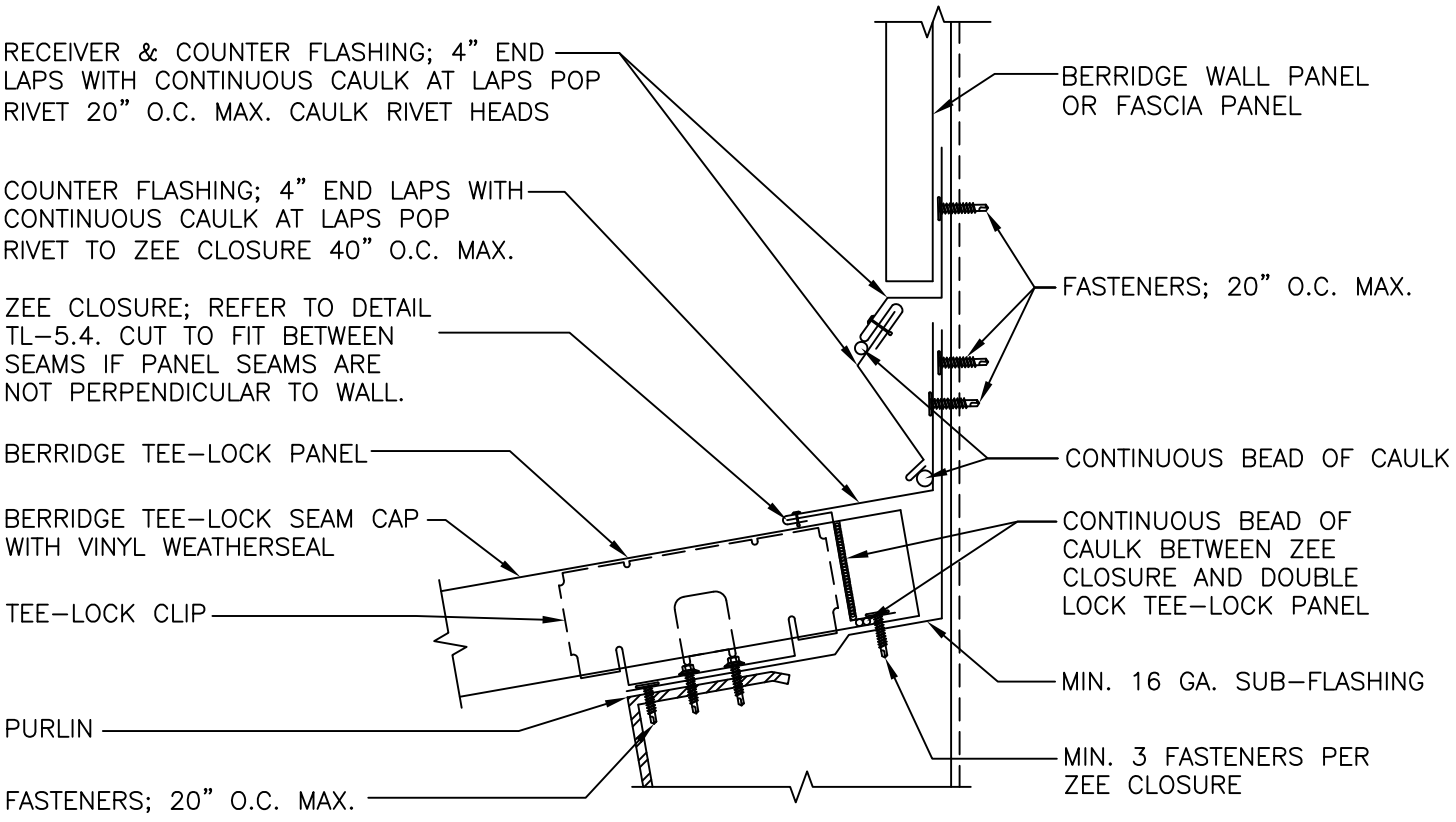

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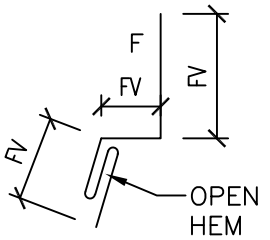

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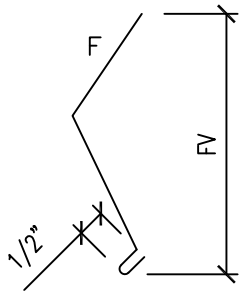

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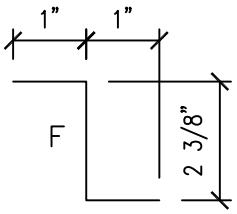

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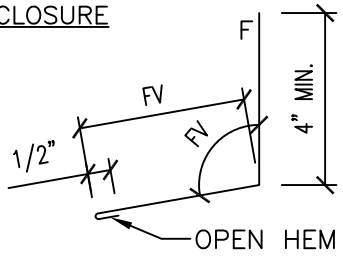

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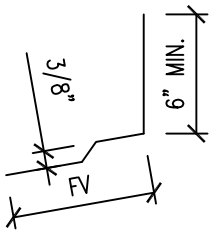


MIN. 16 GA. SUB-FLASHING

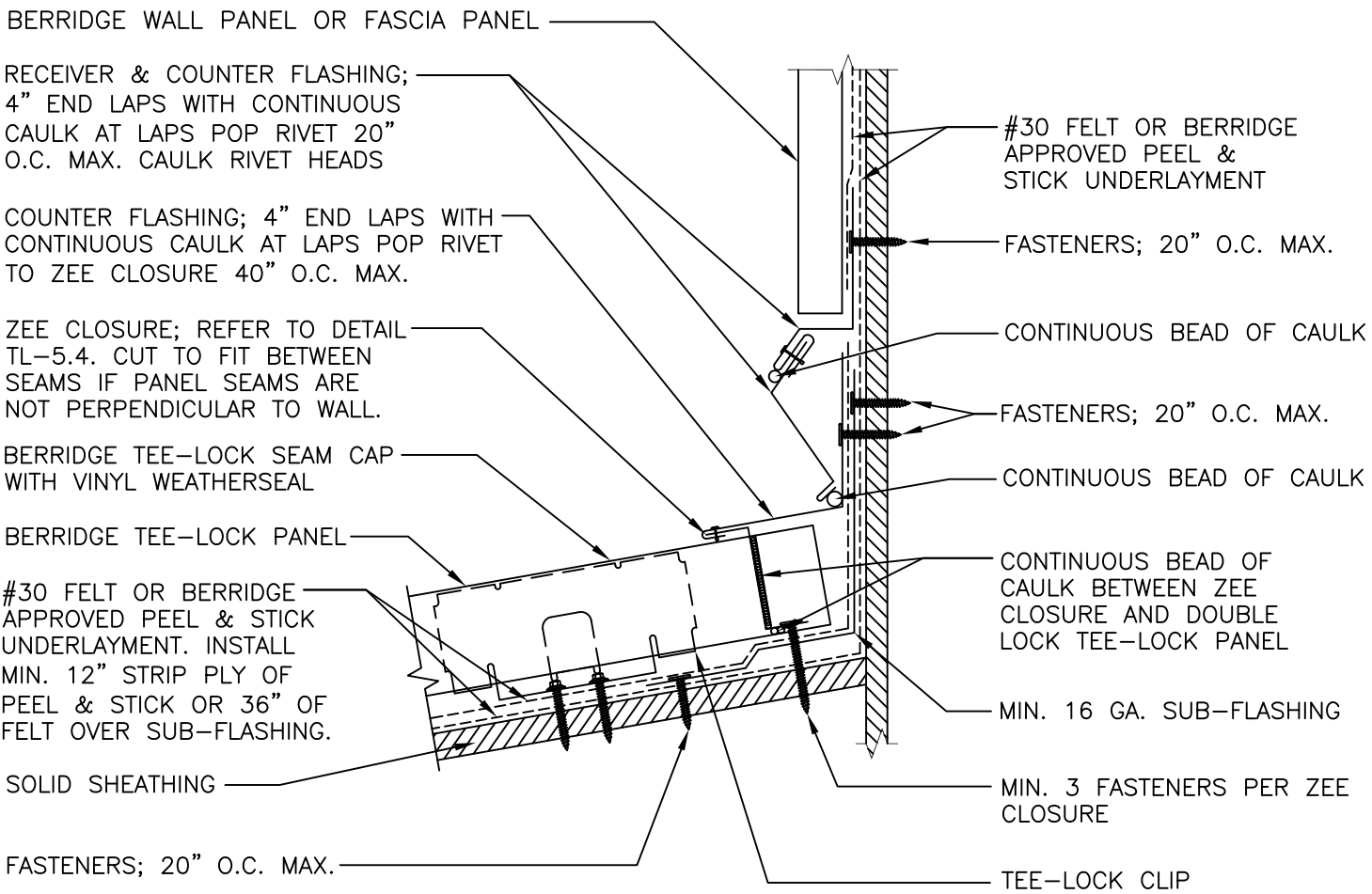
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL RECEIVER FLASHING OPEN FRAMING

DATE: 5/23

TEE-LOCK PANEL

PAGE\FILE
TL-51P0



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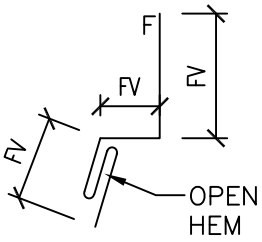
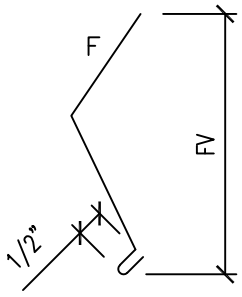
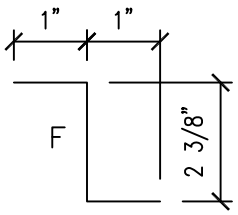


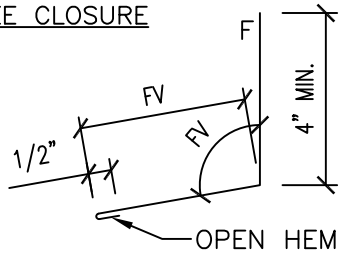
RECIEVER FLASHING



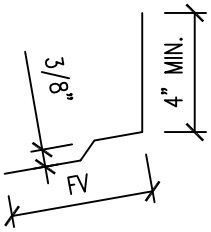
COUNTER FLASHING



ZEE CLOSURE



COUNTER FLASHING



MIN. 16 GA. SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

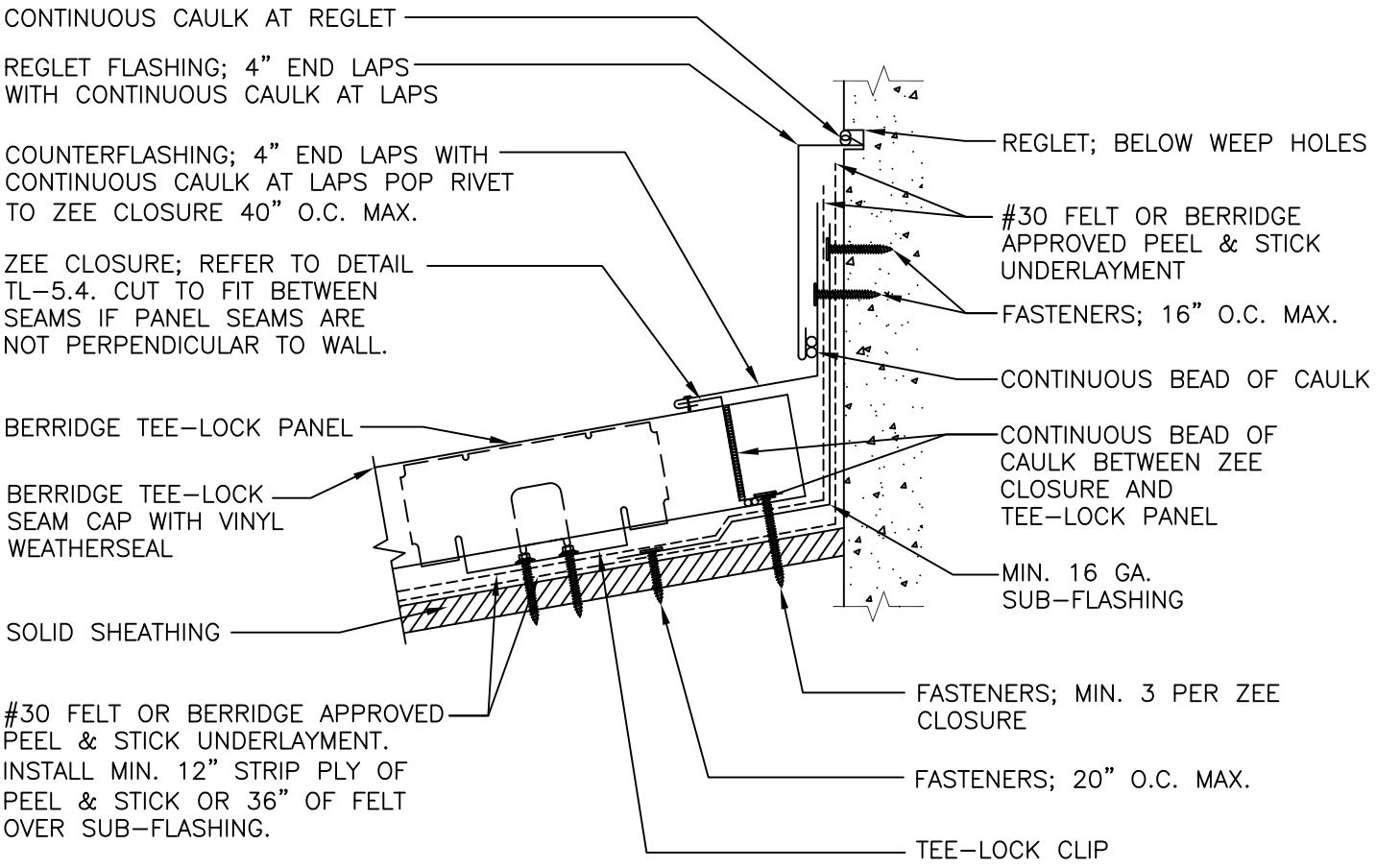
HEAD WALL DETAIL RECEIVER FLASHING SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

TL-51PS



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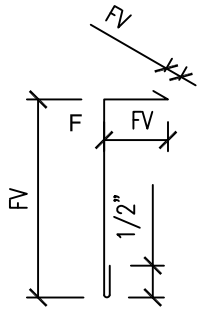
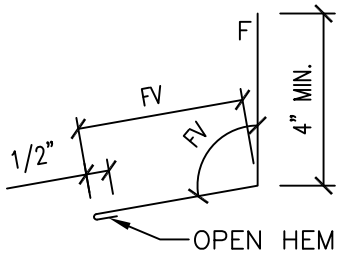


REGLET FLASHING



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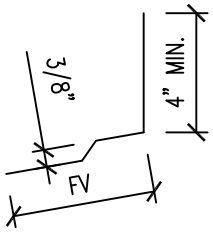
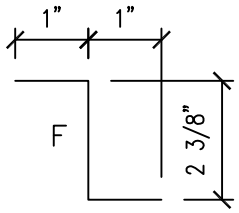


MIN. 16 GA. SUB-FLASHING



ZEE CLOSURE

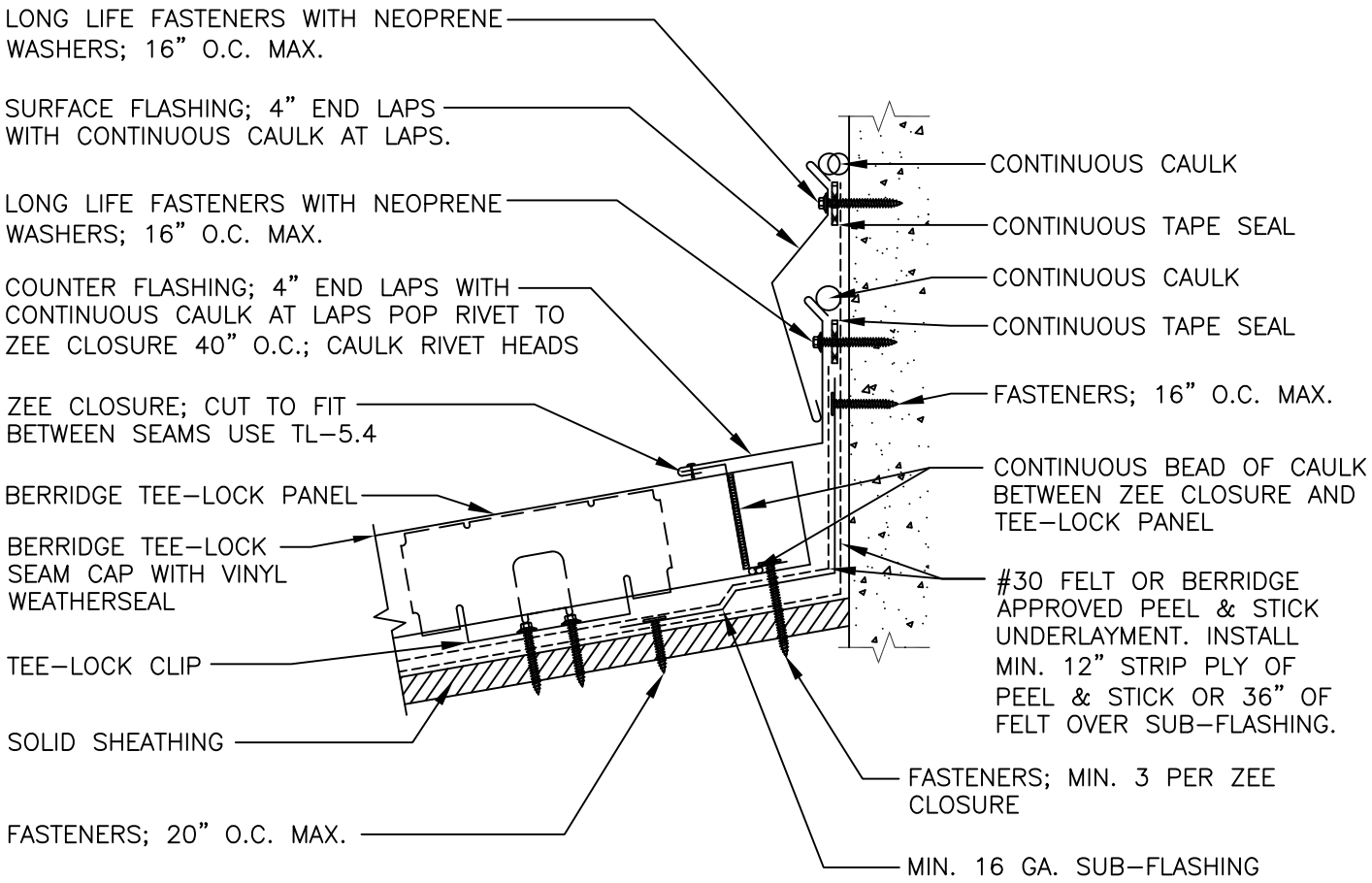
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

HEAD WALL DETAIL REGLET SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
TL-51R



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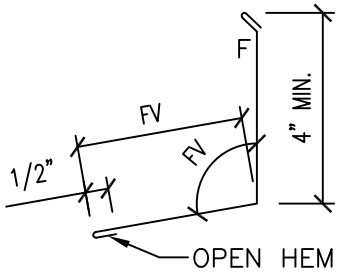

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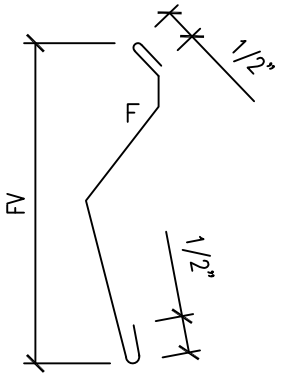
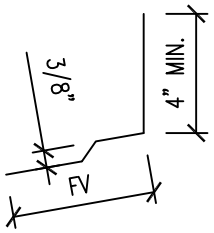
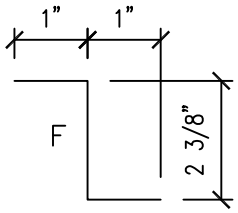


SURFACE FLASHING



MIN. 16 GA. SUB-FLASHING



ZEE CLOSURE

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

HEAD WALL DETAIL SURFACE MOUNT SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
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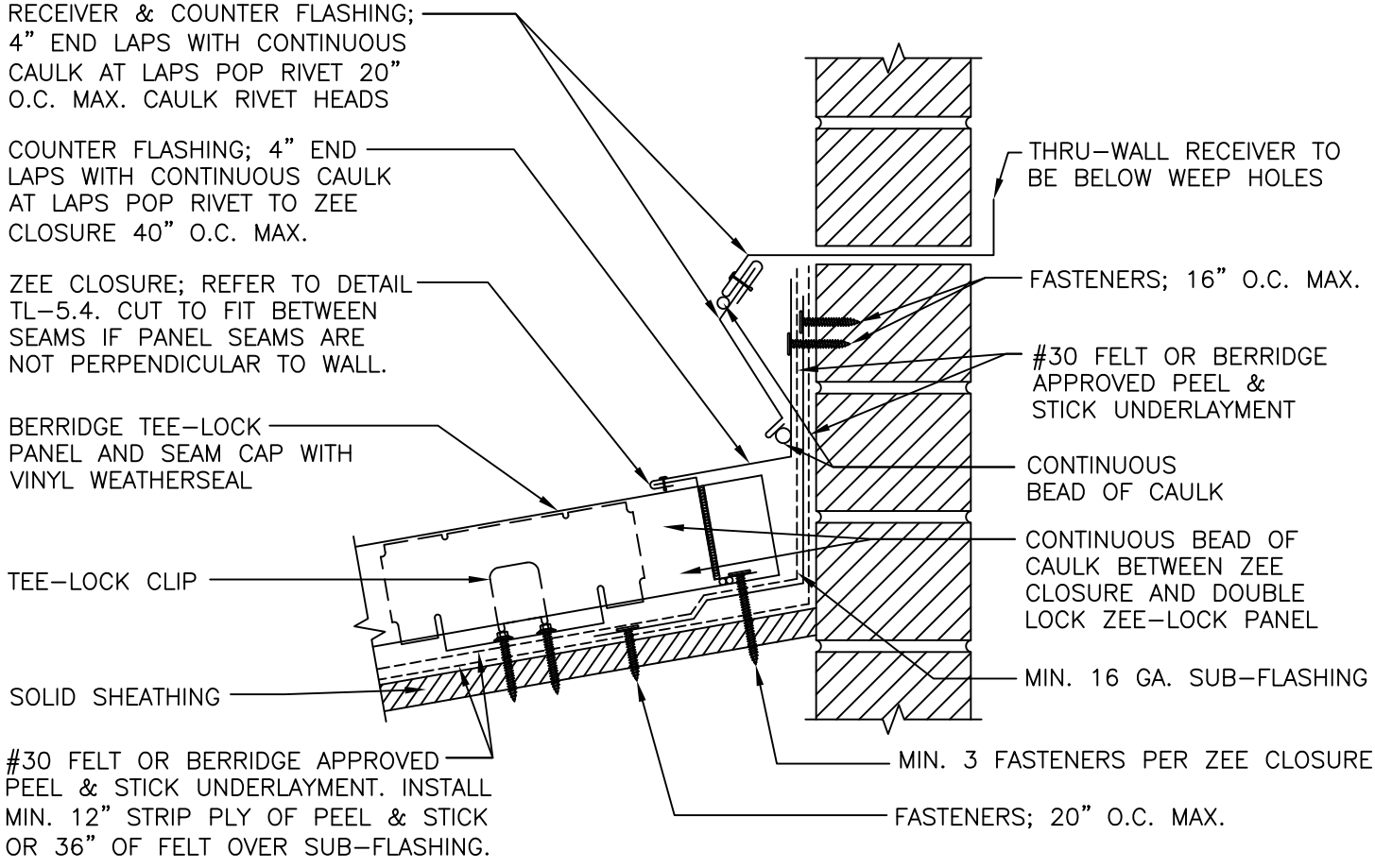

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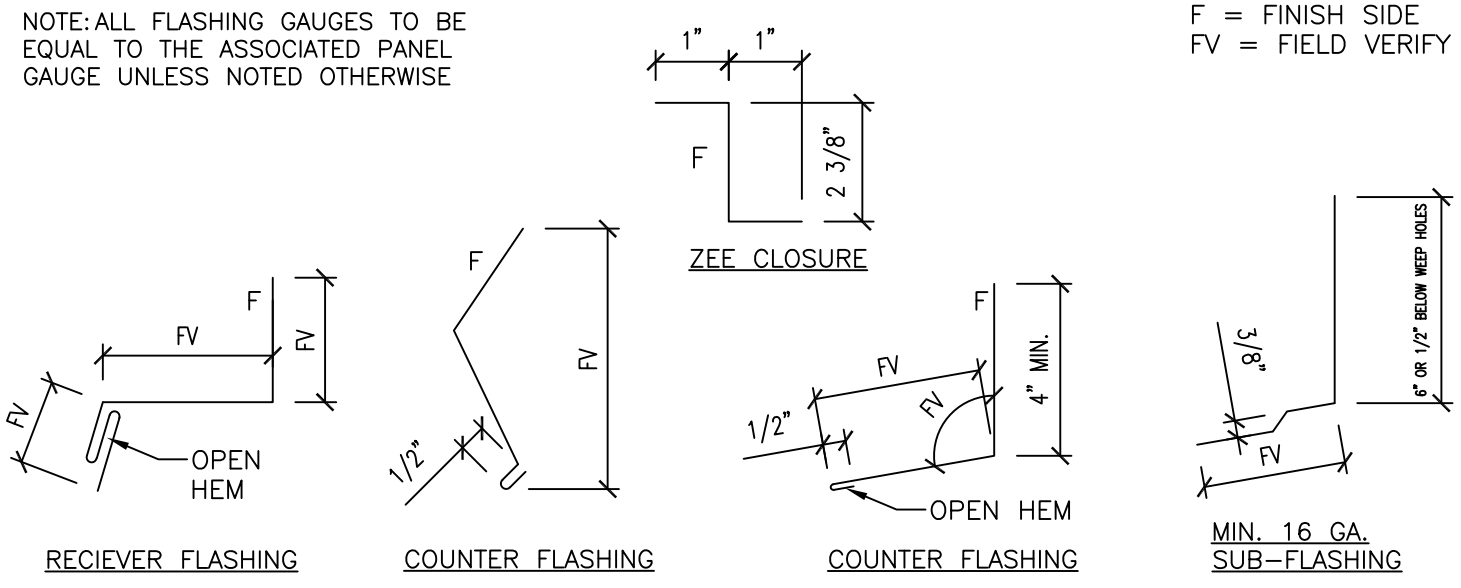

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

HEAD WALL DETAIL RECEIVER FLASHING SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

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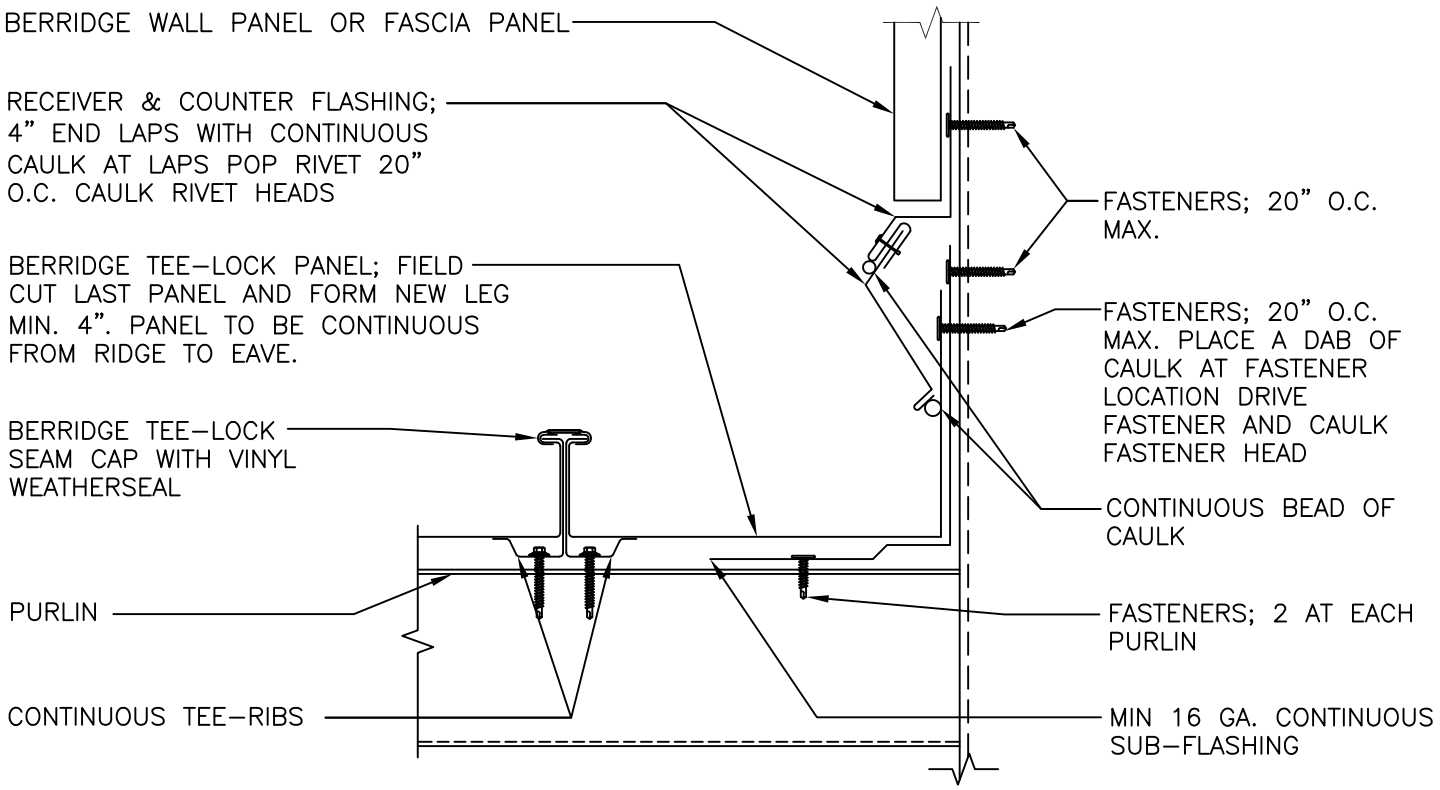

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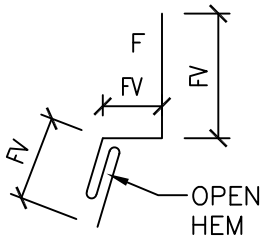

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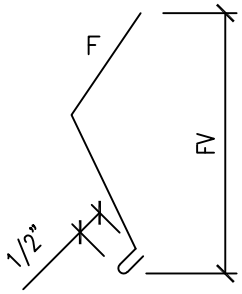
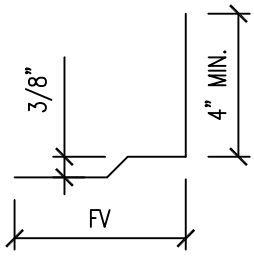


COUNTER FLASHING



MIN. 16 GA. SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL RECEIVER FLASHING OPEN FRAMING

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
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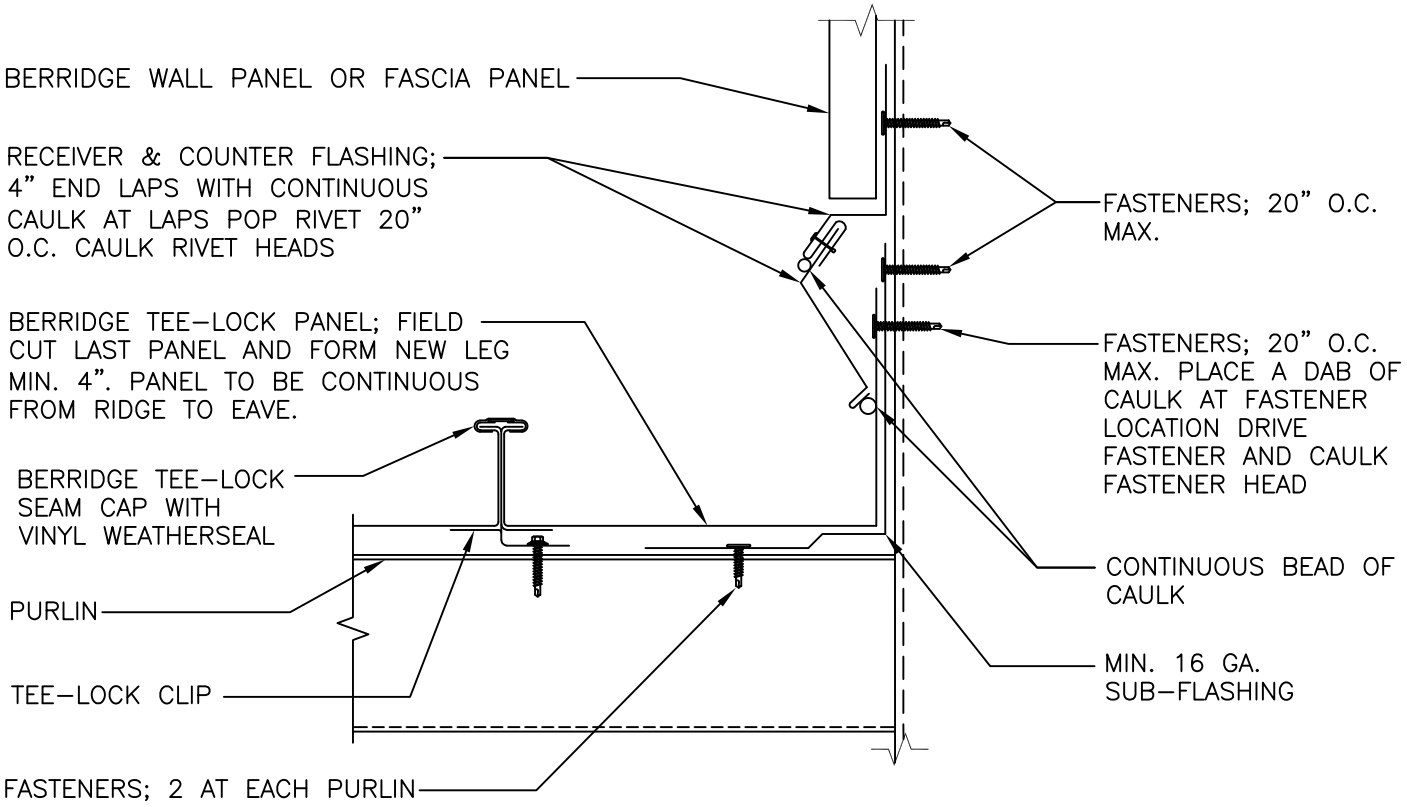

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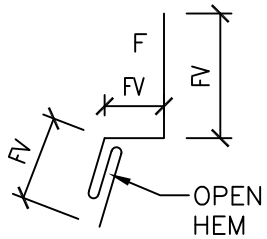

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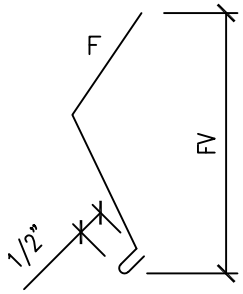

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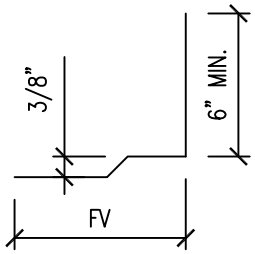

MIN. 16 GA. SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL RECEIVER FLASHING OPEN FRAMING

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
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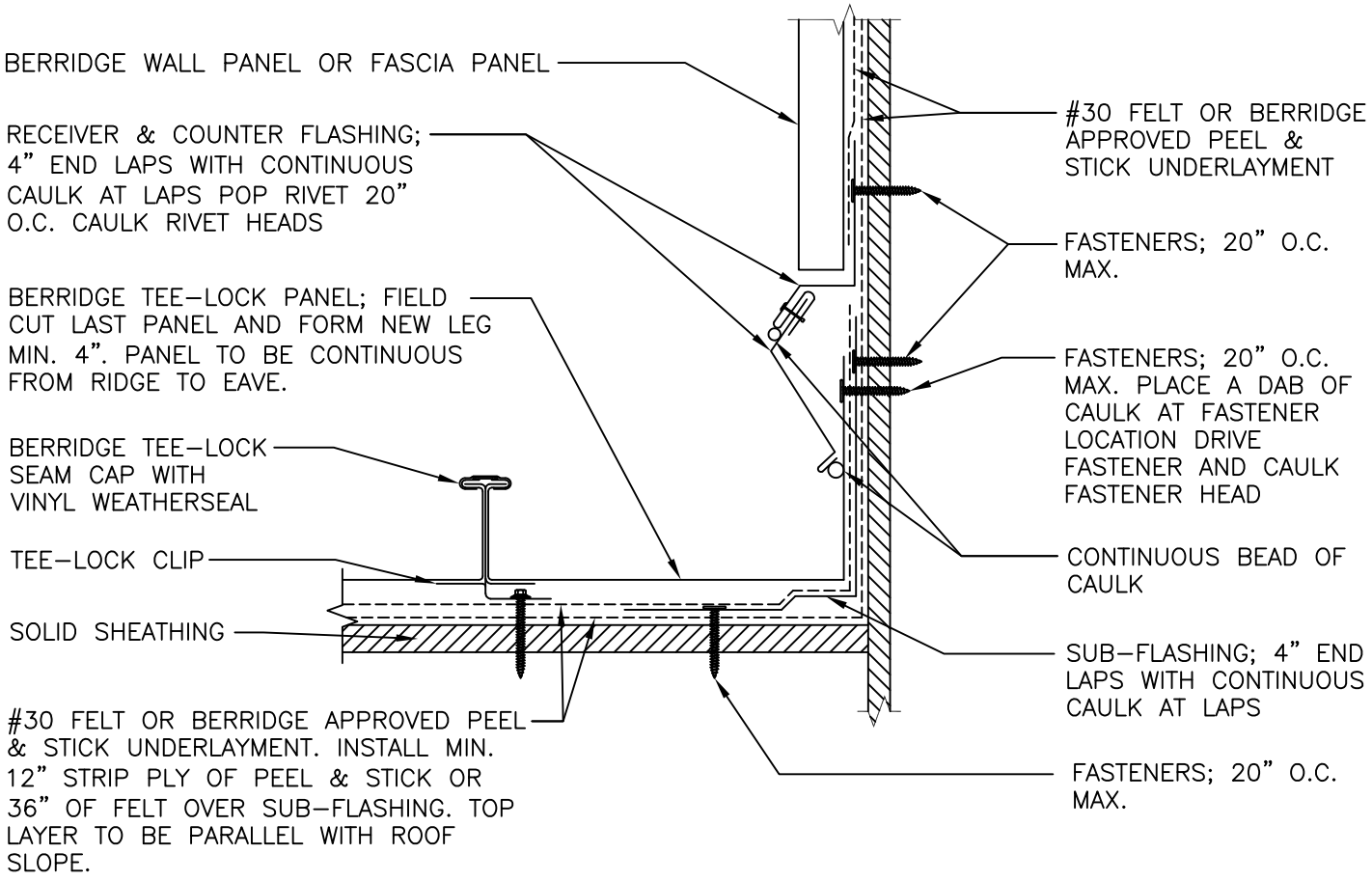

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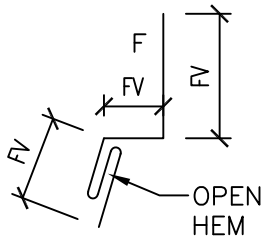

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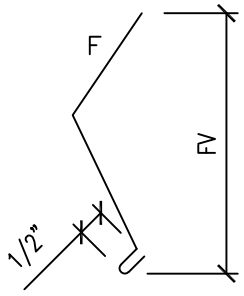
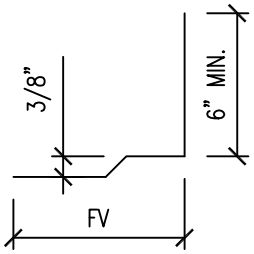


COUNTER FLASHING



SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL RECEIVER FLASHING SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
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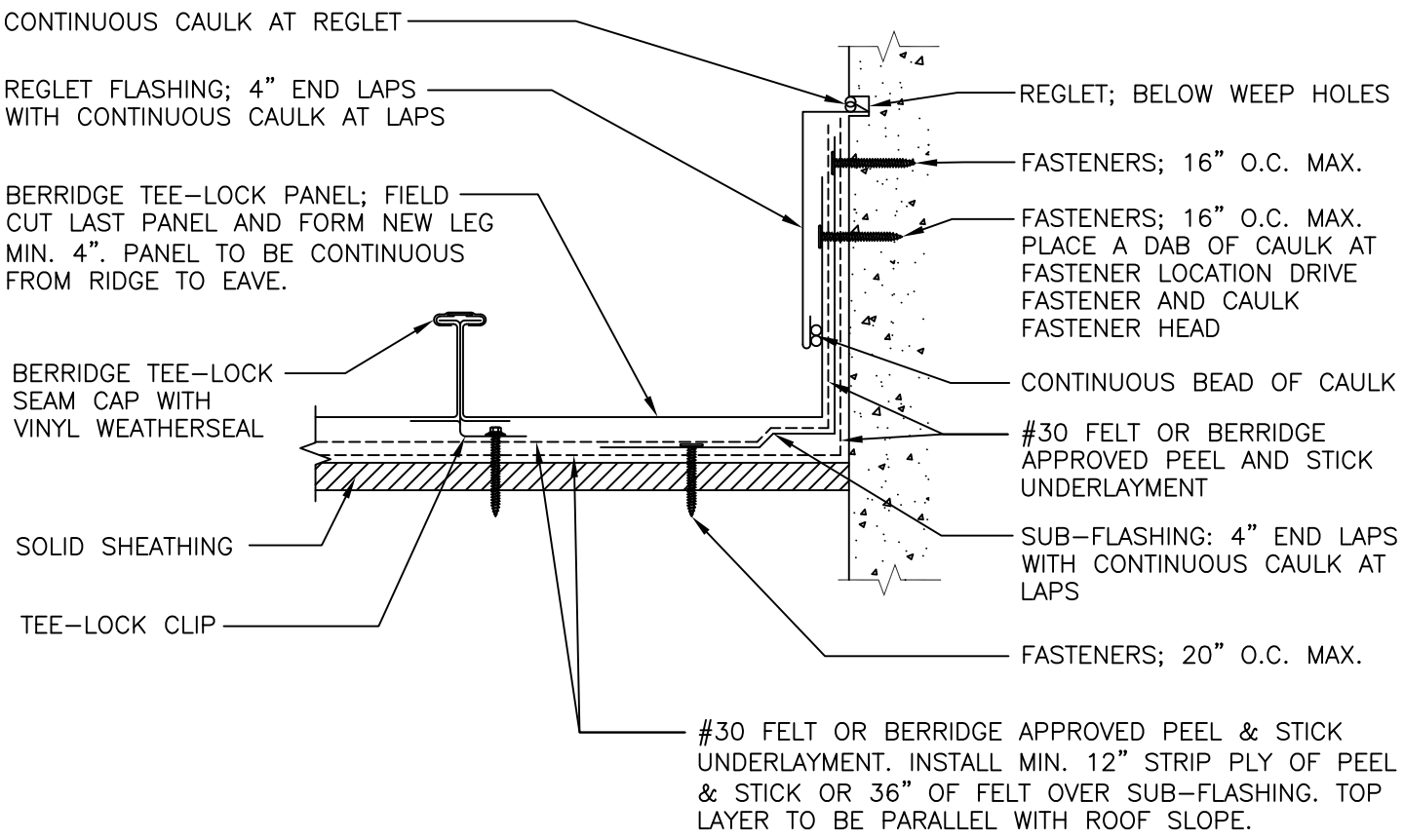

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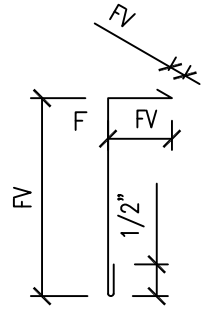
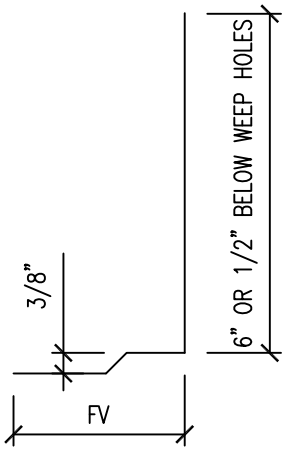


REGLET FLASHING



SUB-FLASHING

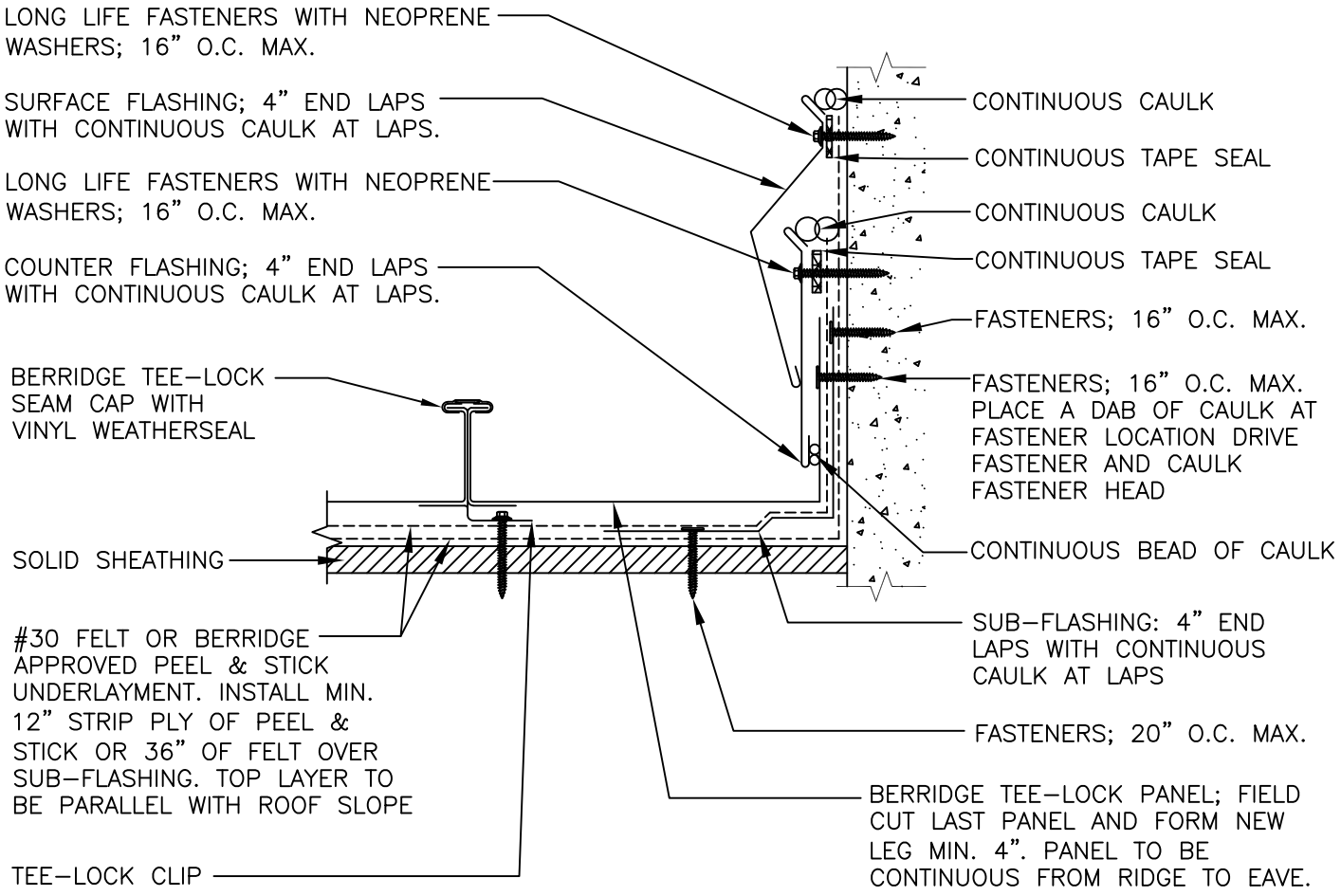
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL REGLET SOLID SUBSTRATE

DATE: 5/23

TEE-LOCK PANEL

PAGE\FILE
TL-53R



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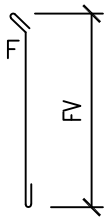

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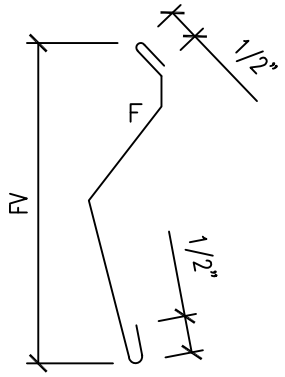
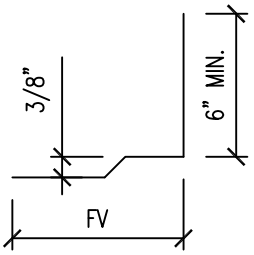


SURFACE FLASHING



SUB-FLASHING

BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

RAKE WALL DETAIL SURFACE MOUNT SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
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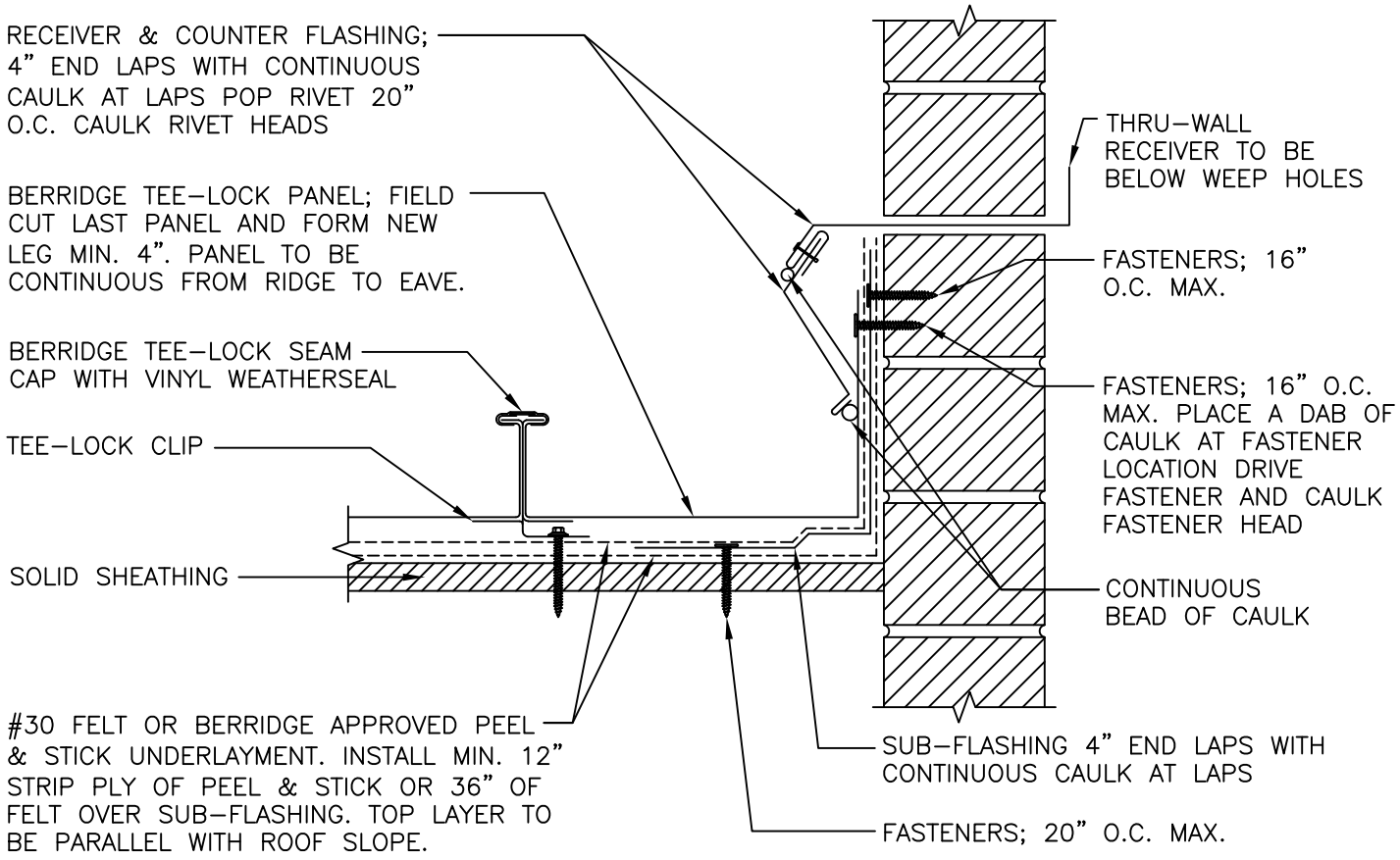

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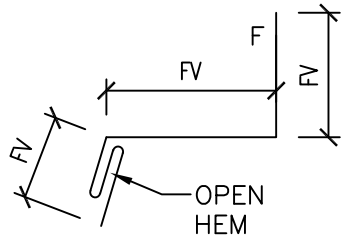
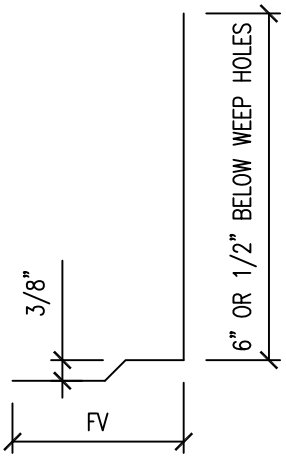
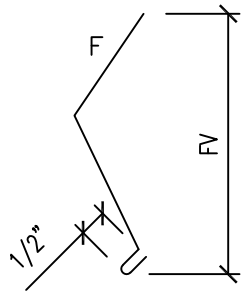


RECIEVER FLASHING



SUB-FLASHING



COUNTER FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

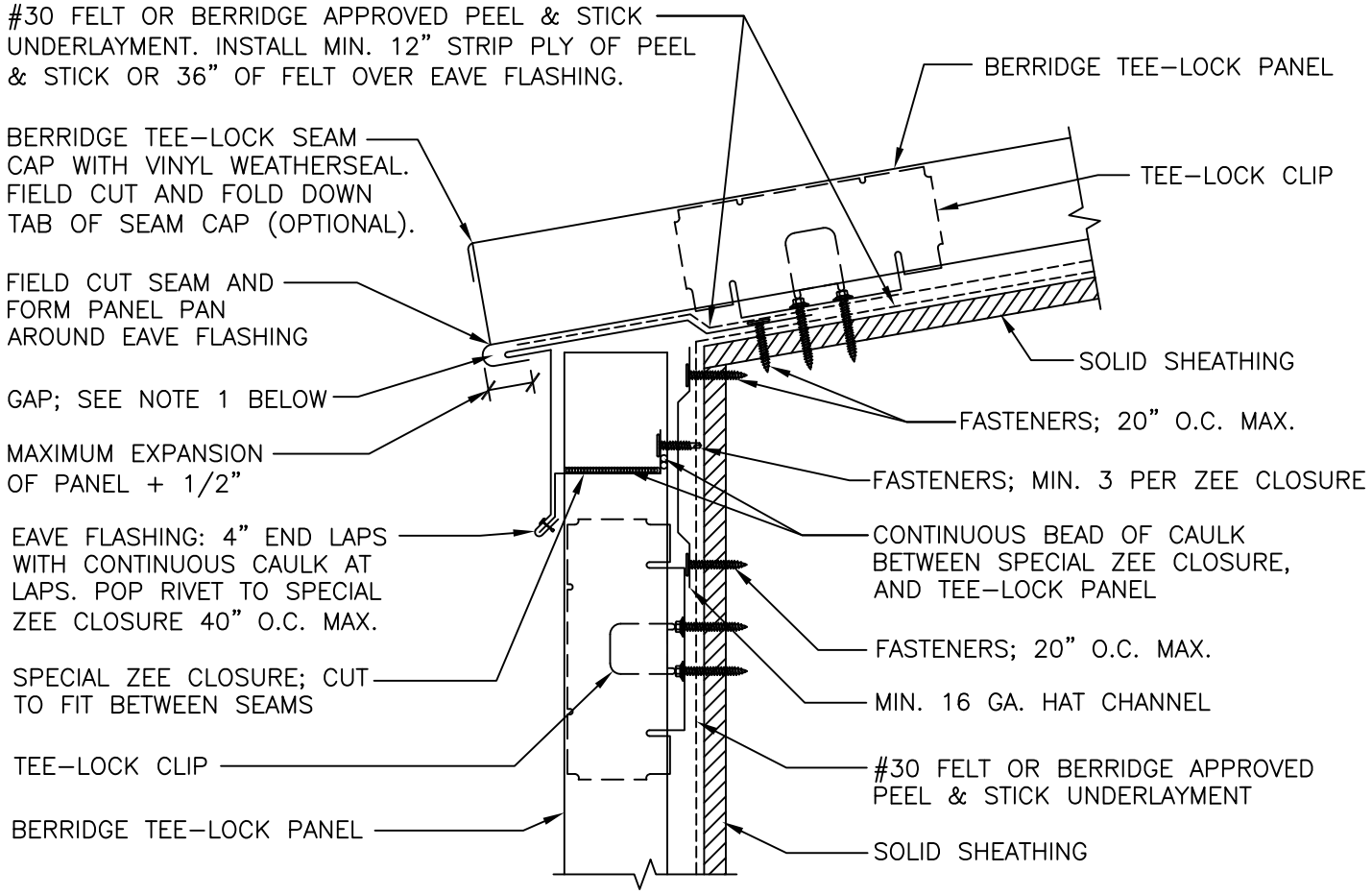
RAKE WALL DETAIL RECEIVER FLASHING SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL

DATE: 5/23

PAGE\FILE

TL-53TW



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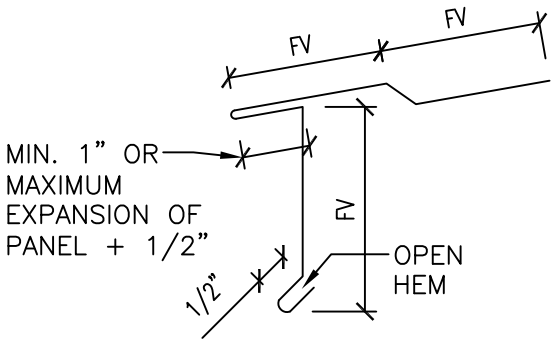

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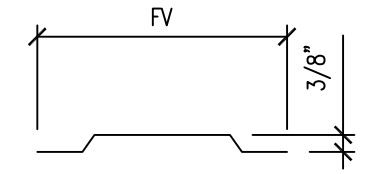
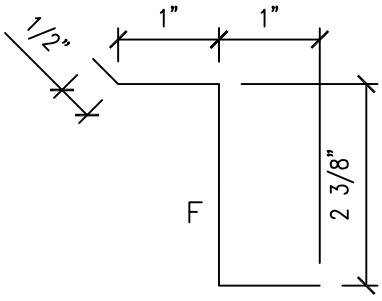


MIN. 16 GA. HAT CHANNEL



SPECIAL ZEE CLOSURE

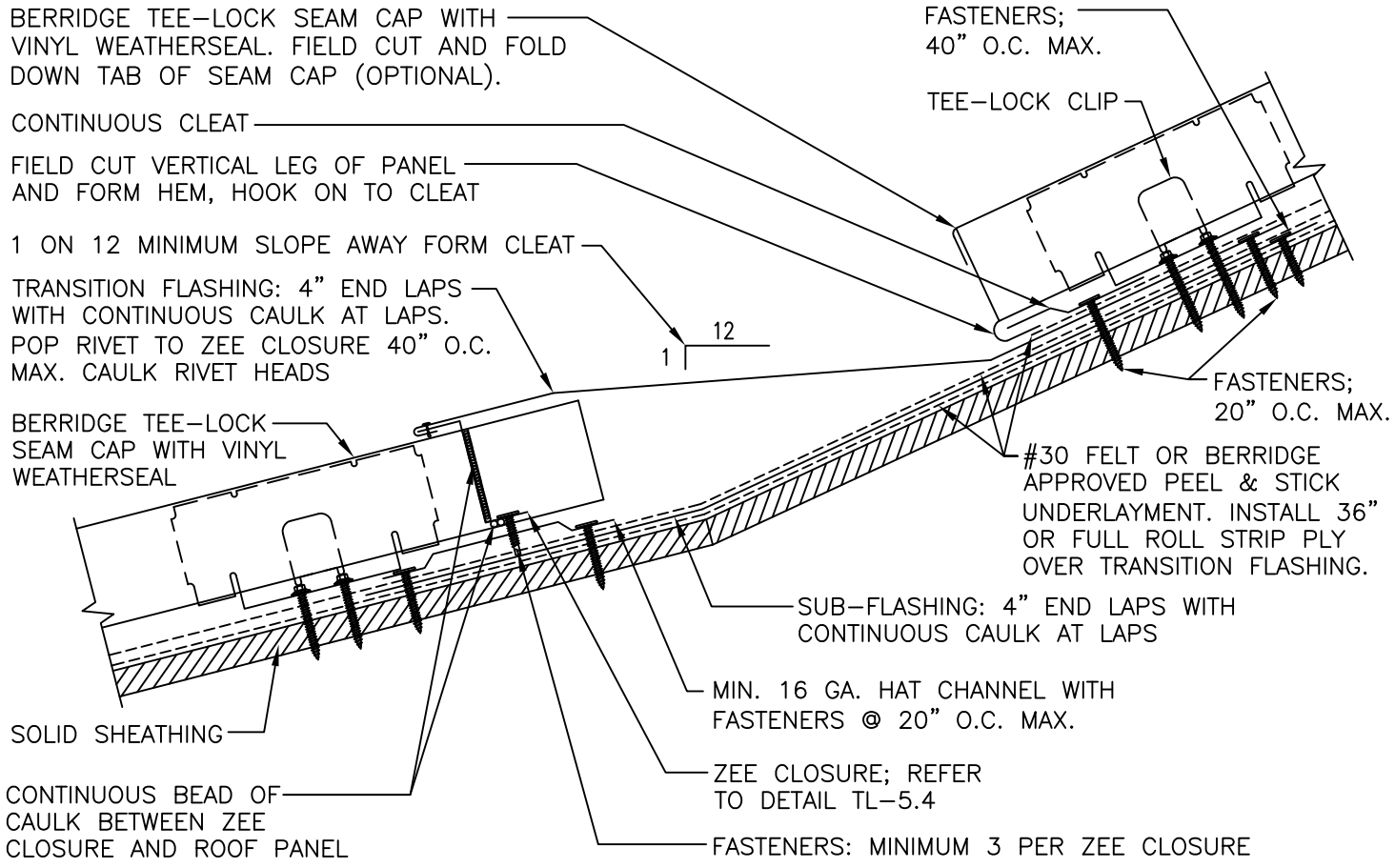
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

ROOF TO FASCIA TRANSITION SOLID SUBSTRATE

TEE-LOCK PANEL

DATE: 5/23

PAGE\FILE
TL-60



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

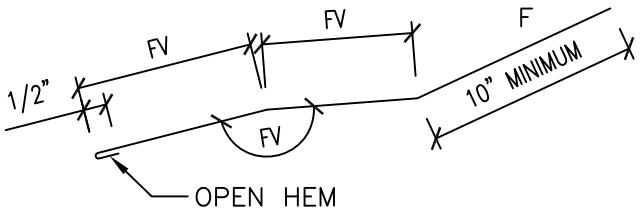
DO NOT: RUN A CONTINUOUS BEAD OF CAULK ON CLEAT OR UNDER CLEAT

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

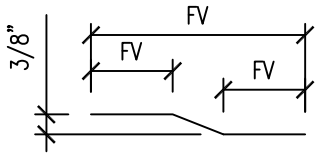
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

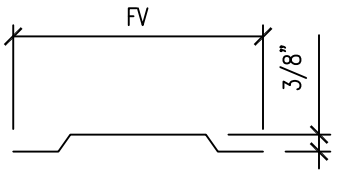
F = FINISH SIDE
FV = FIELD VERIFY



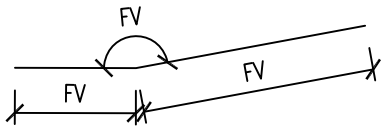
TRANSITION FLASHING



CONTINUOUS CLEAT



MIN. 16 GA. HAT CHANNEL



SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY

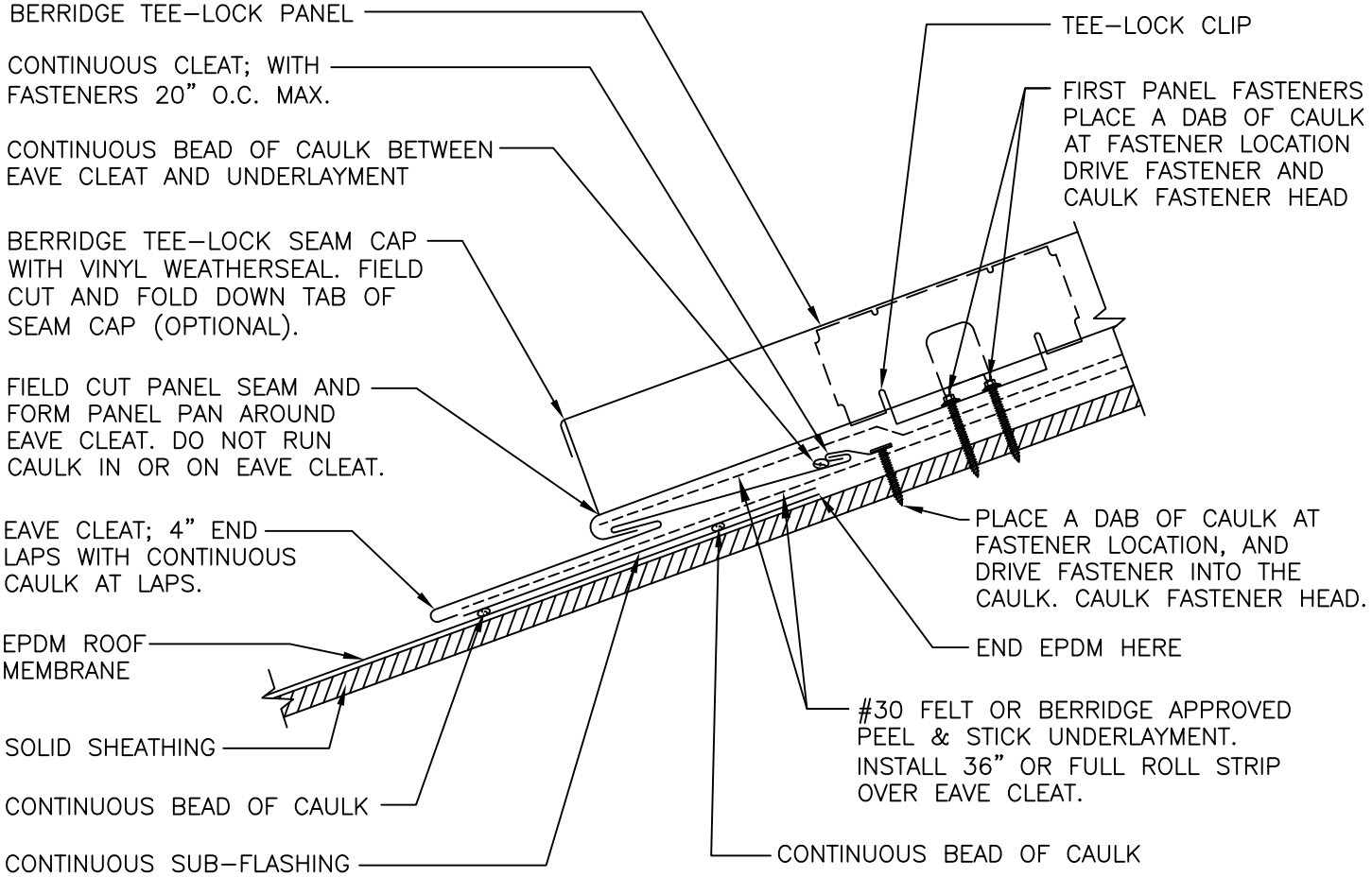
Roofs of Distinction

SLOPE TRANSITION DETAIL SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–61



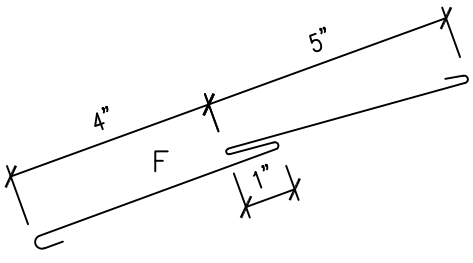
ALL FASTENERS FROM EAVE CLEAT UP SLOPE MINIMUM 8'–0" PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

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

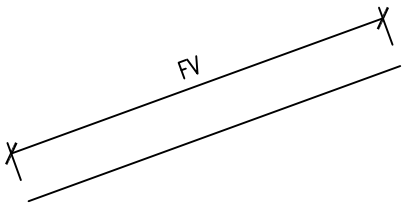
2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

F = FINISH SIDE
FV = FIELD VERIFY



EAVE CLEAT



SUB–FLASHING

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

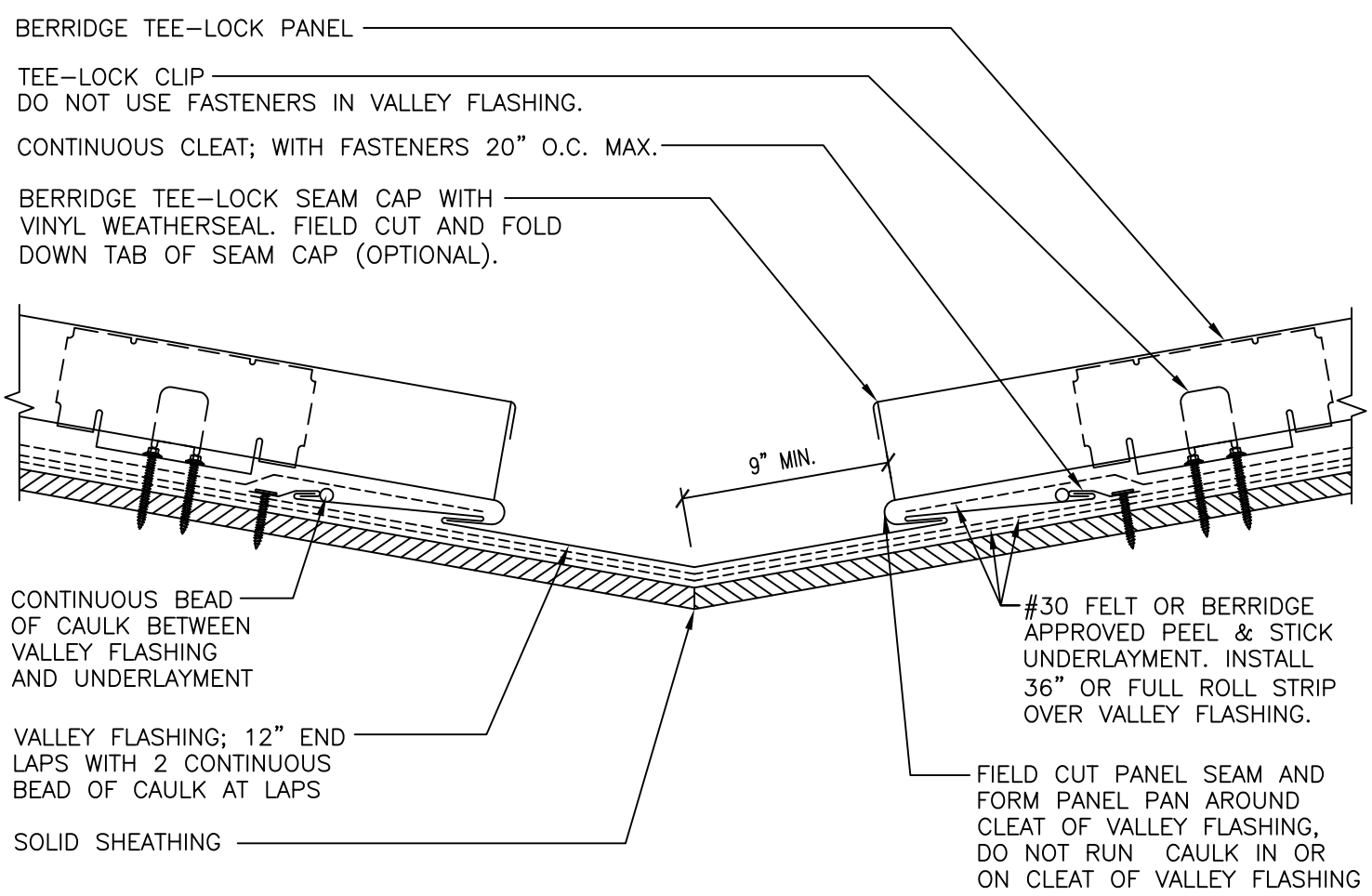
PANEL TRANSITION TO EPDM SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

TL–70(EPDM)



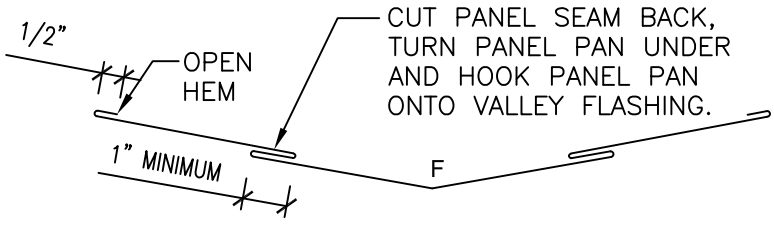
SEE DETAIL TL–71 FOR VALLEY FLASHING LAPPING

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

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

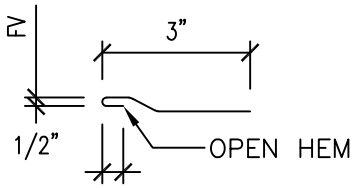
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
FV = FIELD VERIFY



VALLEY FLASHING

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



CONTINUOUS CLEAT

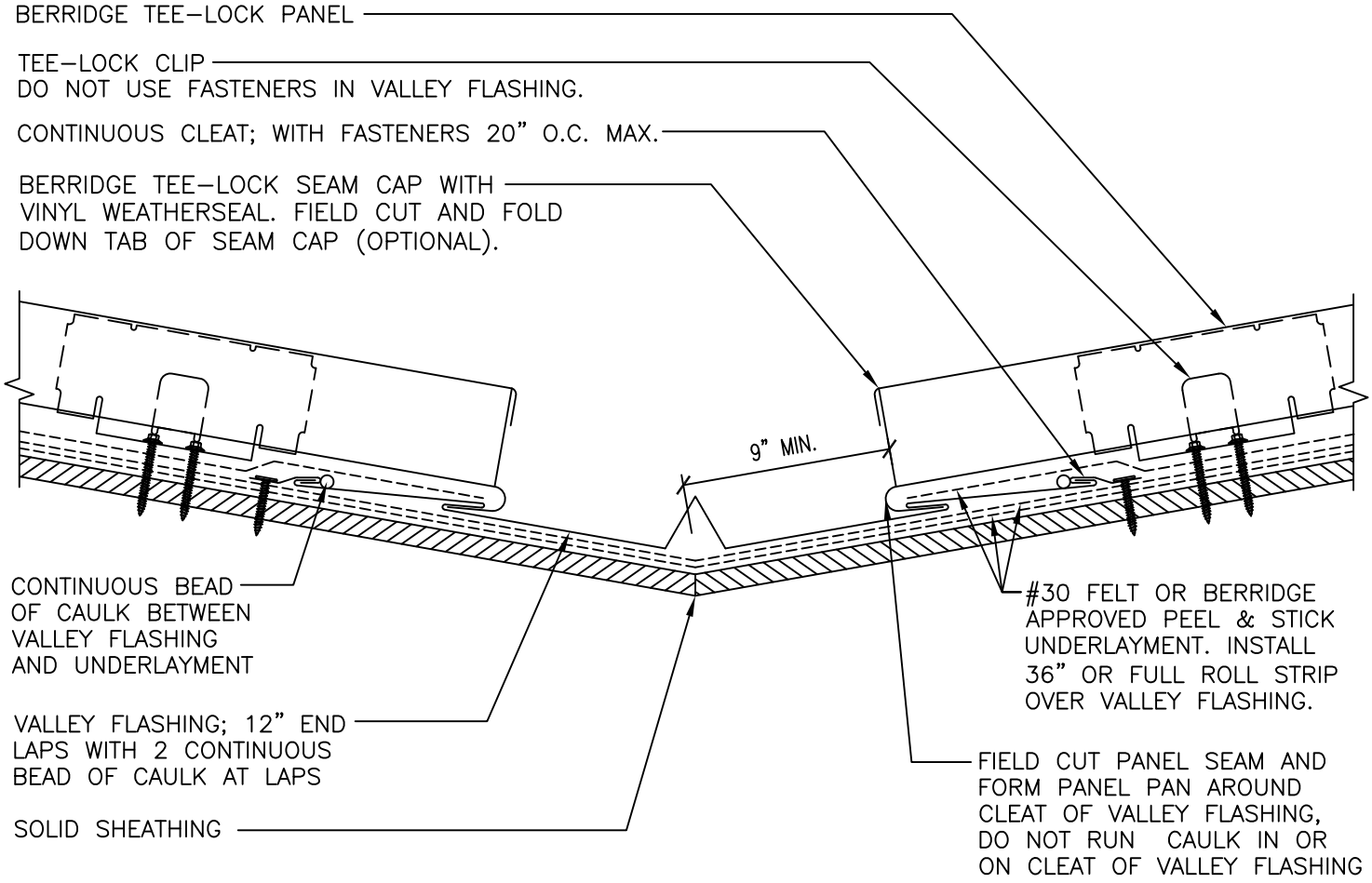
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

VALLEY DETAIL SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
TL–70



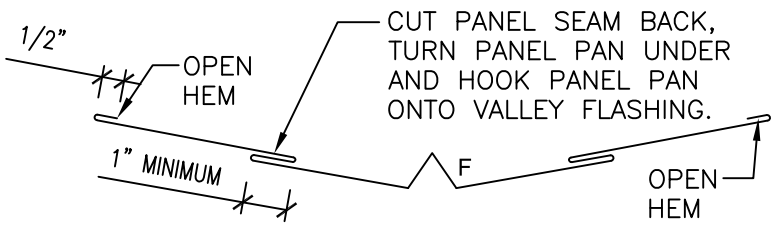
SEE DETAIL TL–71D FOR VALLEY FLASHING LAPPING

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

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

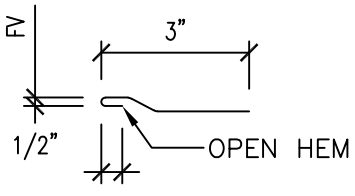
NOTE: ALL FLASHING GAUGES TO BE EQUAL TO THE ASSOCIATED PANEL GAUGE UNLESS NOTED OTHERWISE

F = FINISH SIDE
FV = FIELD VERIFY



VALLEY FLASHING

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



CONTINUOUS CLEAT

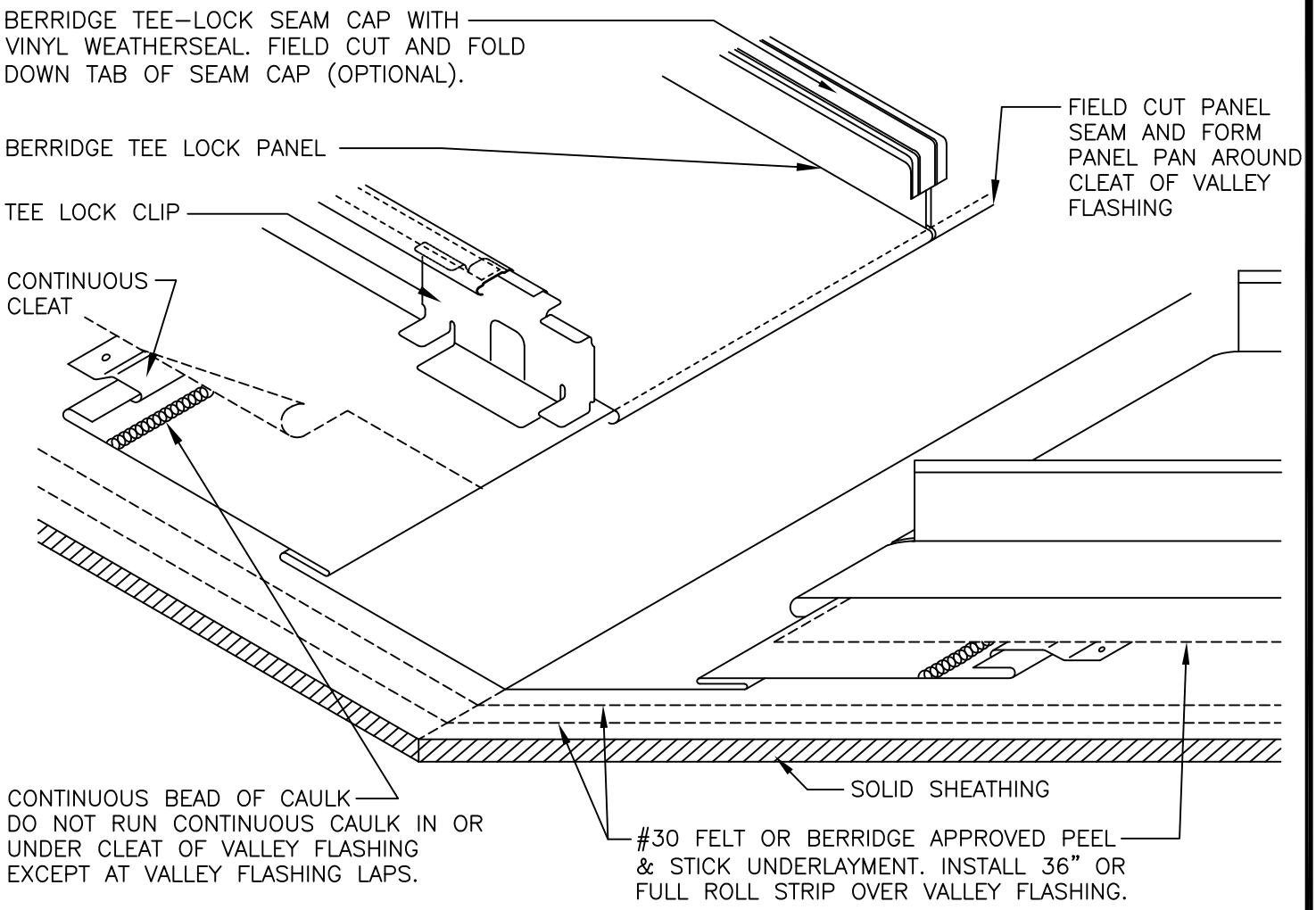
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

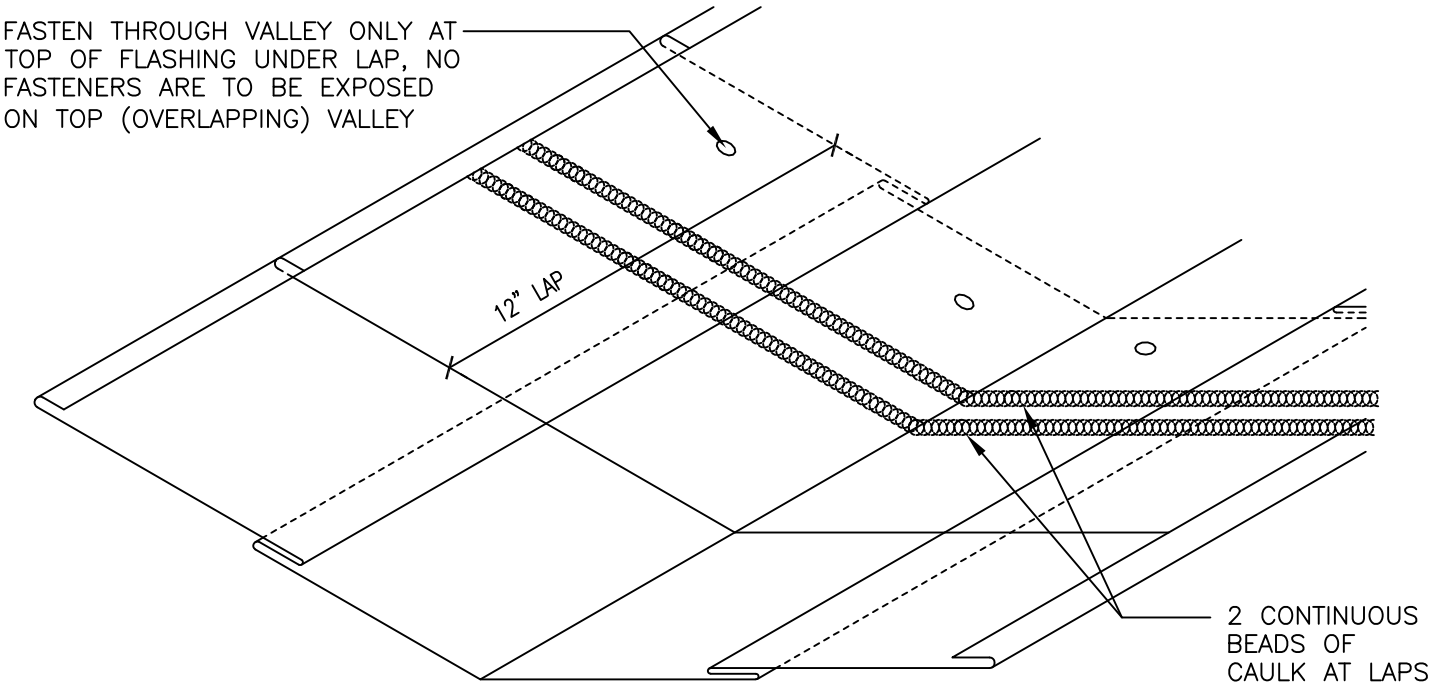
VALLEY DETAIL SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
TL–70D





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

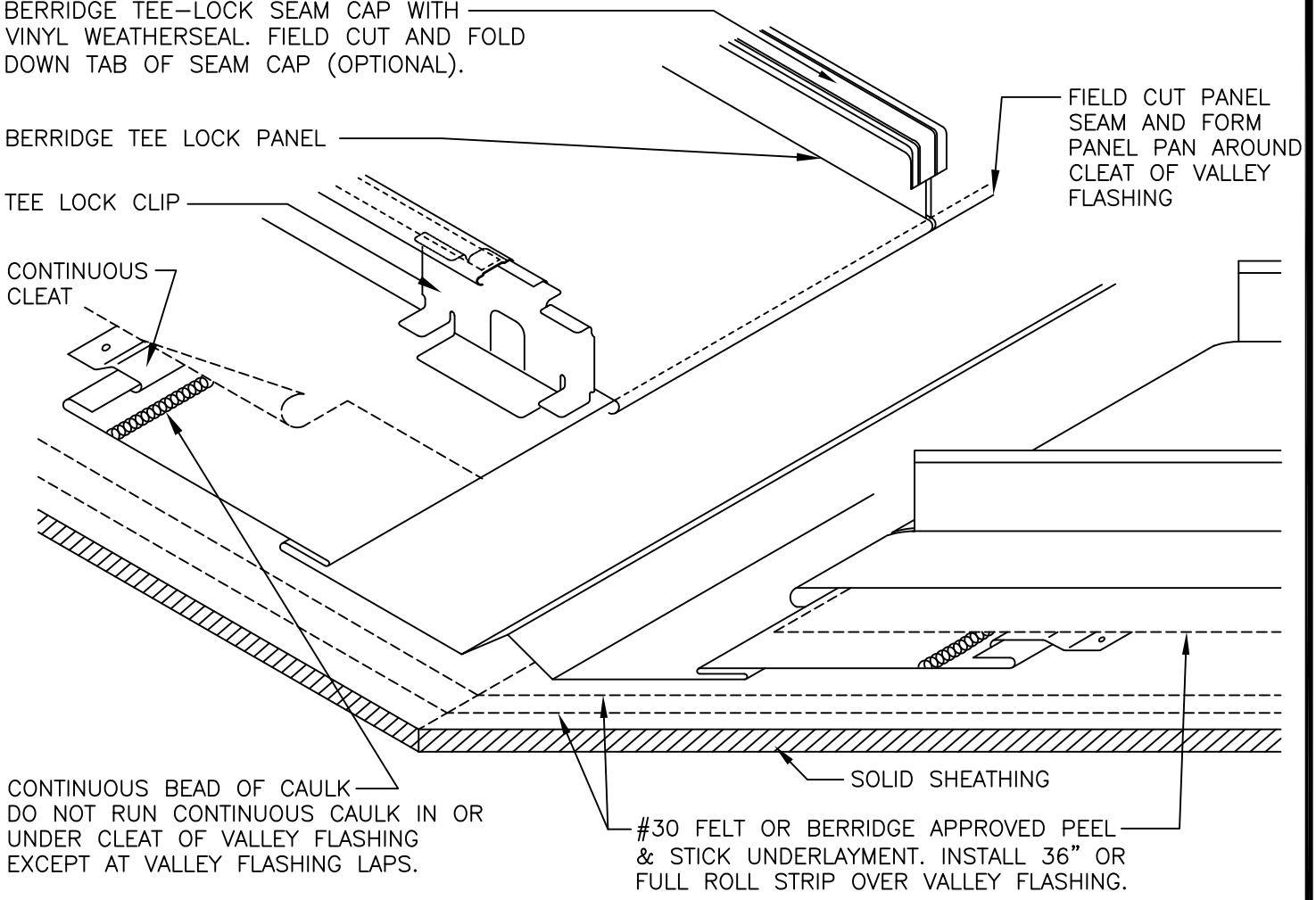
VALLEY DETAIL; ISOMETRIC OPEN FRAMING & SOLID SUBSTRATE

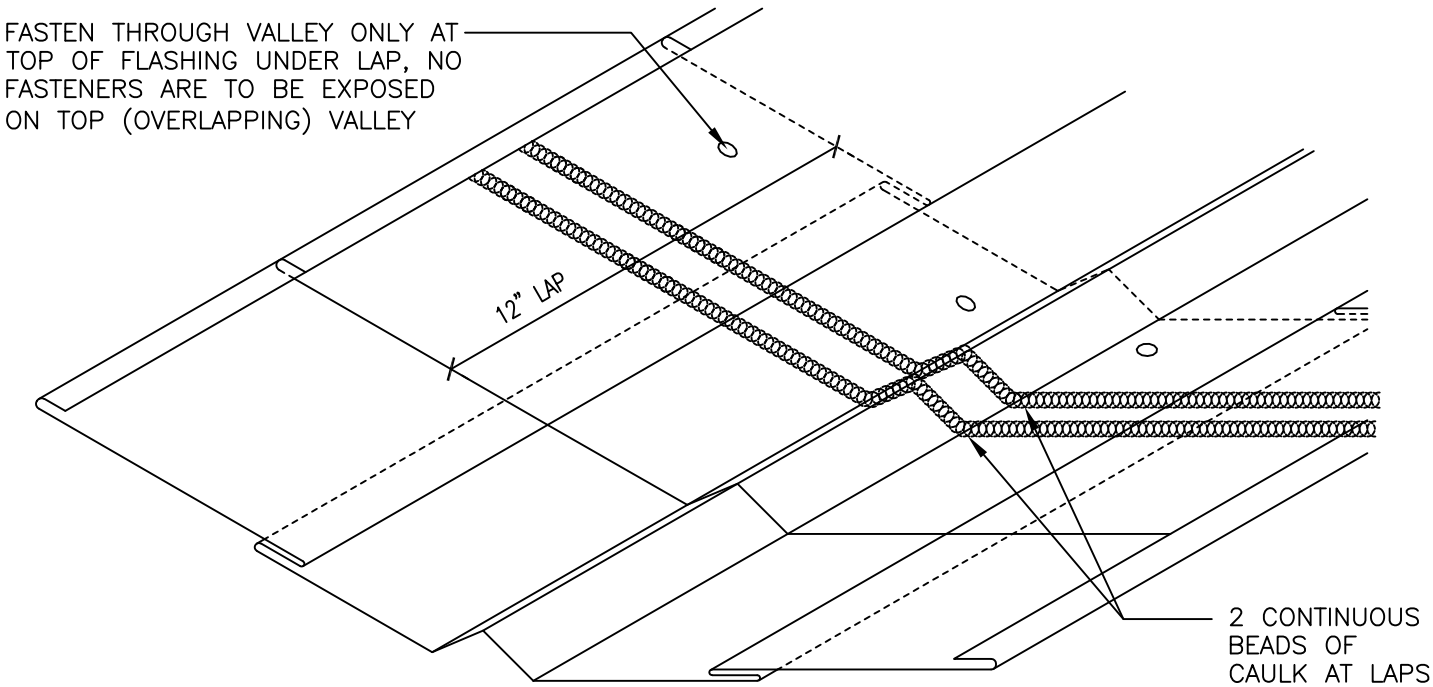
DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–71





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

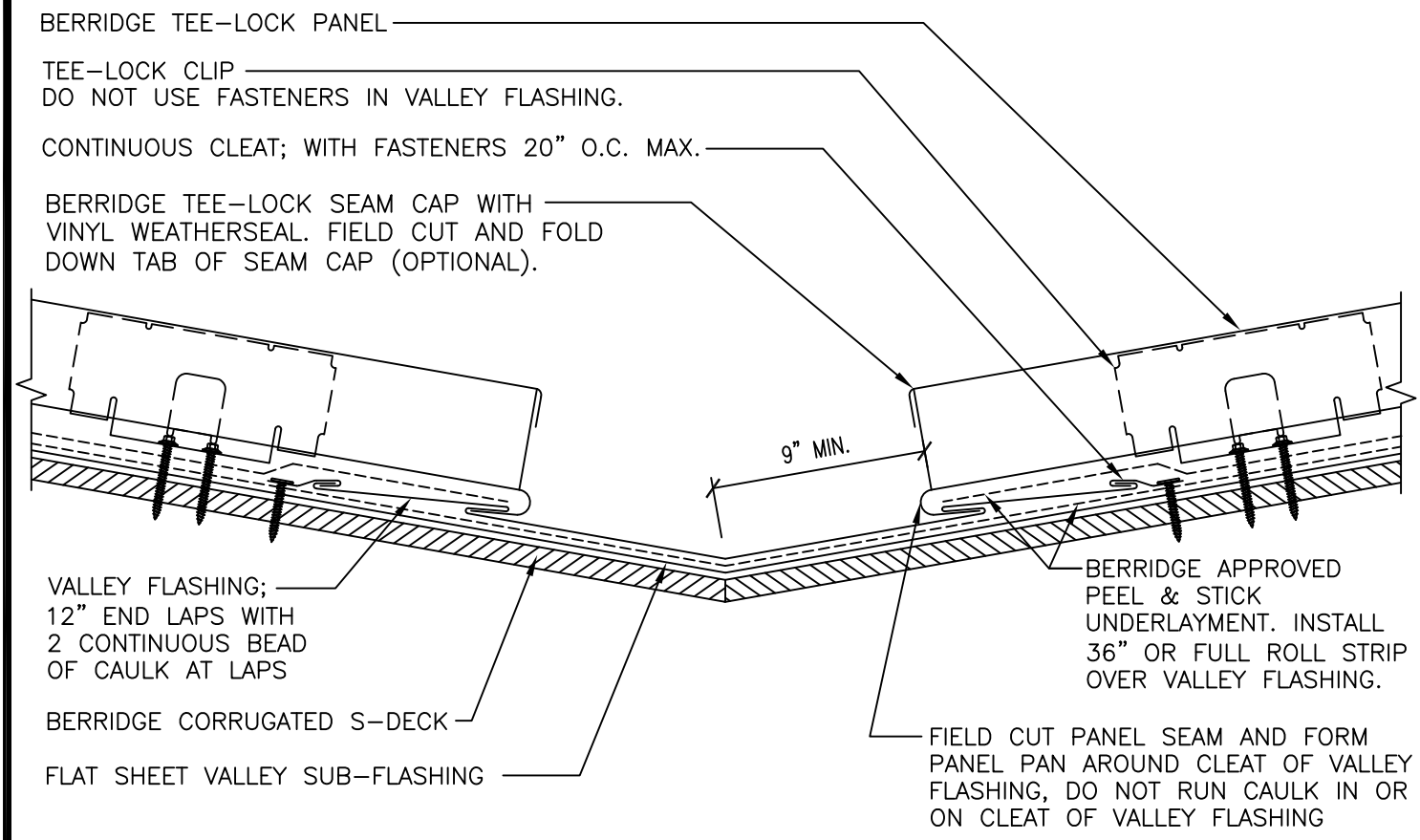
VALLEY DETAIL; ISOMETRIC OPEN FRAMING & SOLID SUBSTRATE

DATE: 5/23

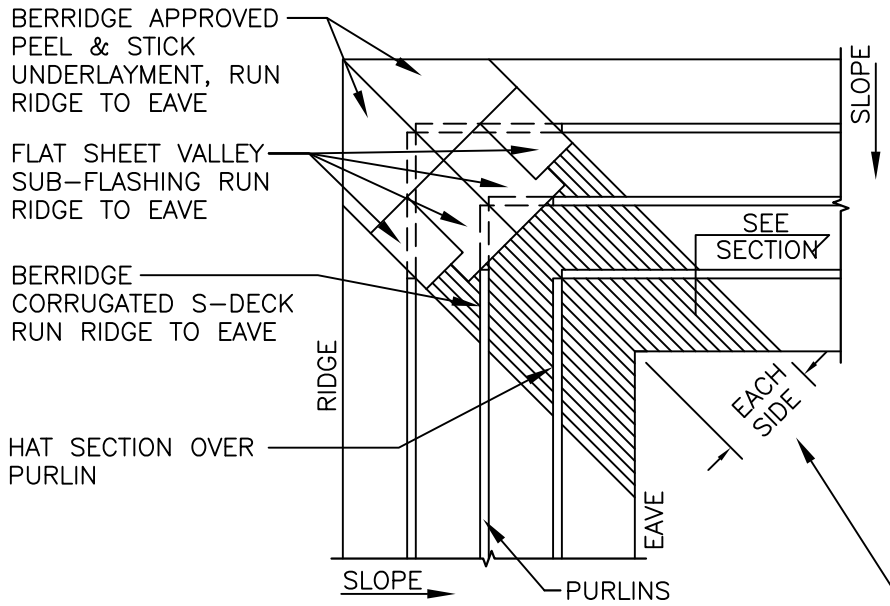
TEE–LOCK PANEL

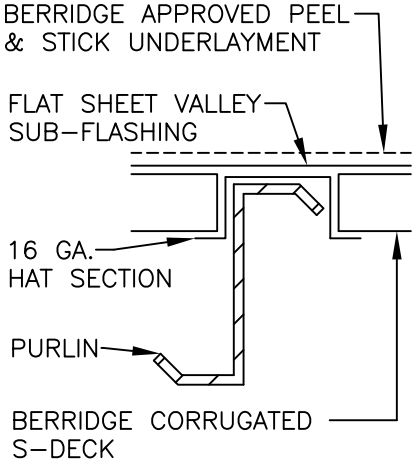
PAGE\FILE

TL–71D

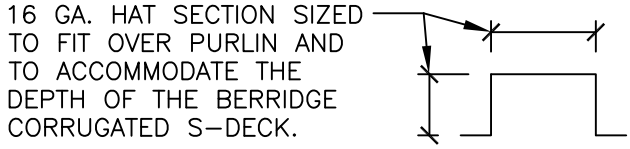


*FLASHING PROFILES AND NOTES, SEE DETAILS TL–70, TL–71, & TL–73A





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



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

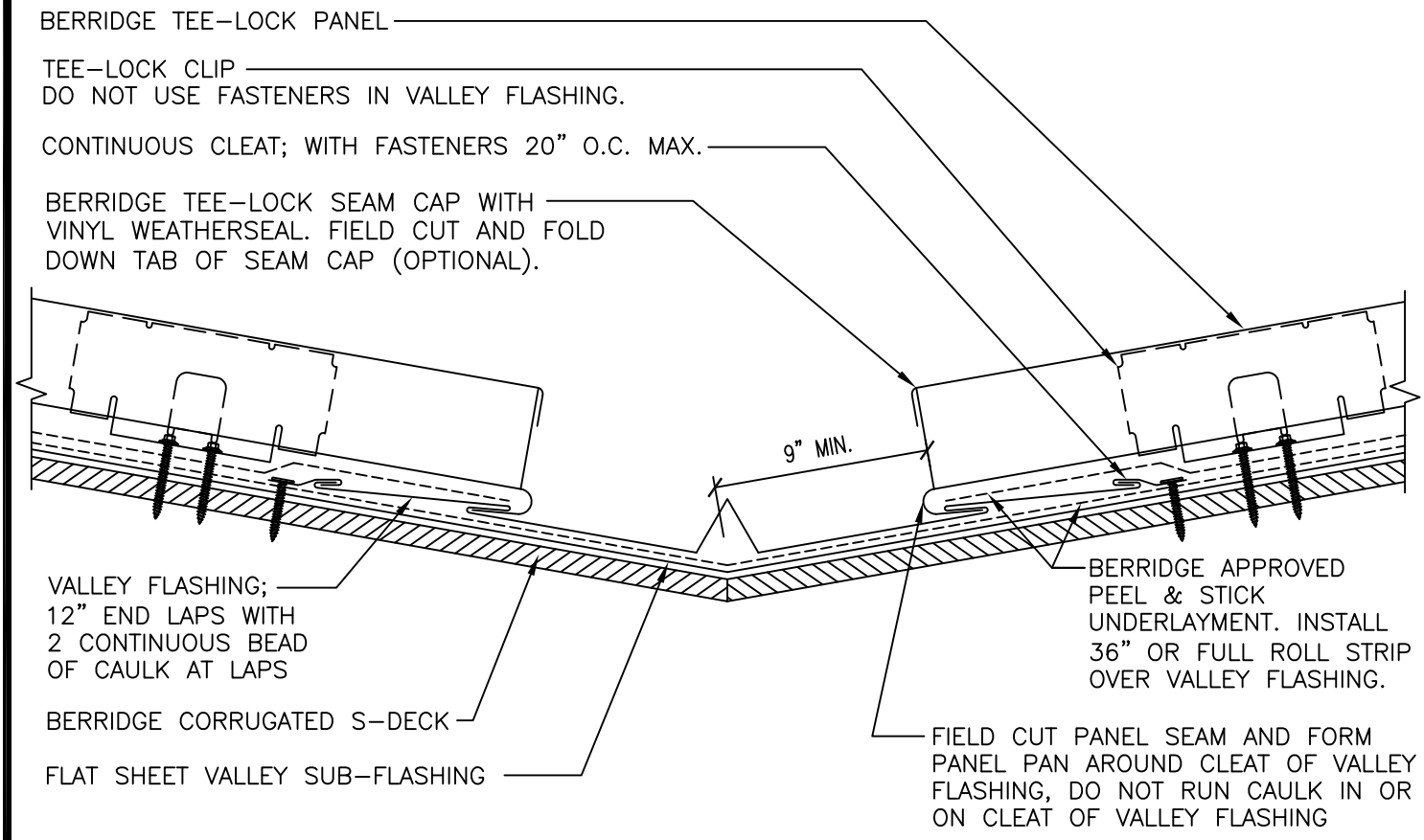
VALLEY DETAIL OPEN FRAMING

TEE–LOCK PANEL

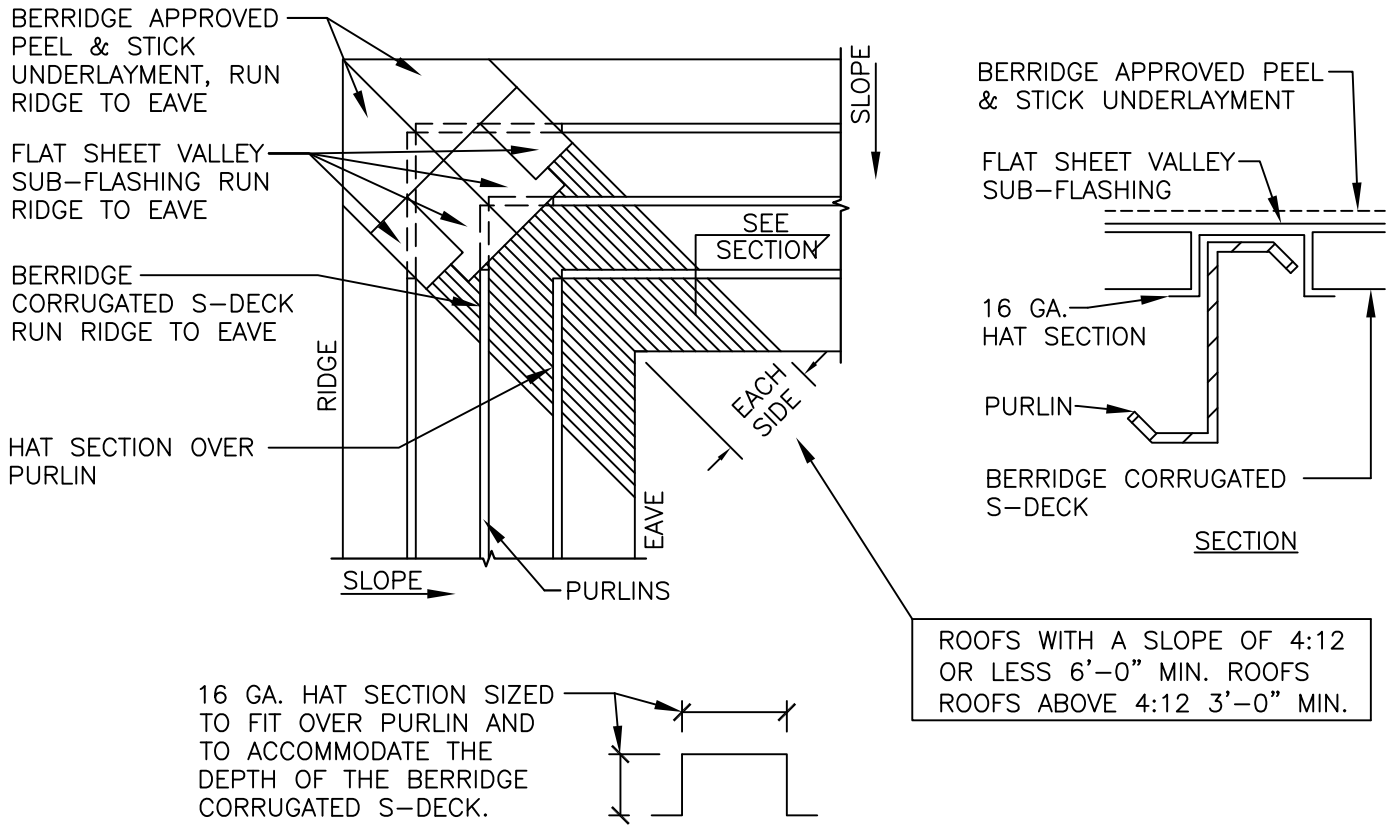
DATE: 5/23

PAGE\FILE

TL–72



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



BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

VALLEY DETAIL OPEN FRAMING

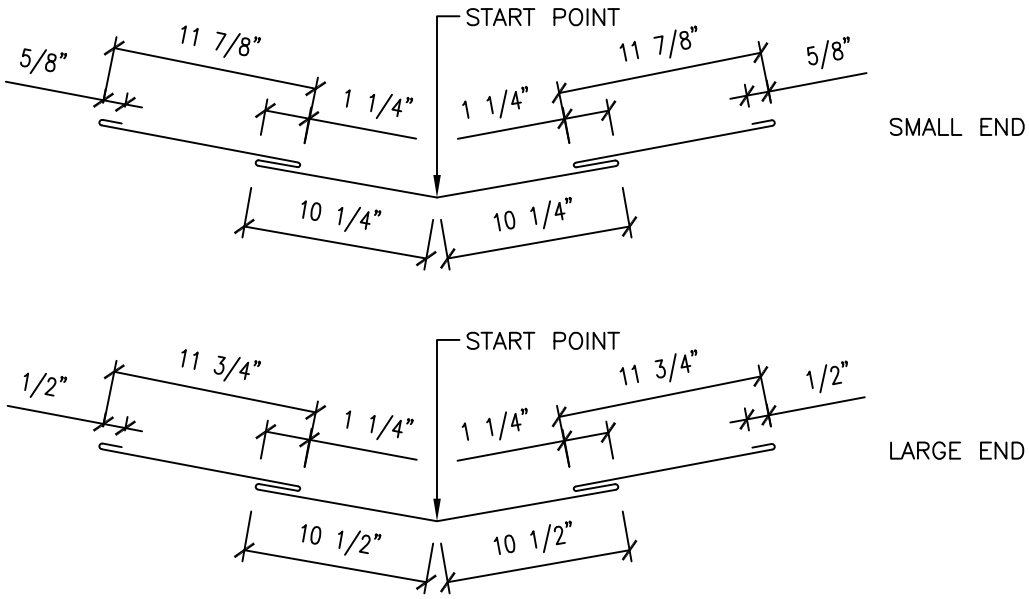
TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

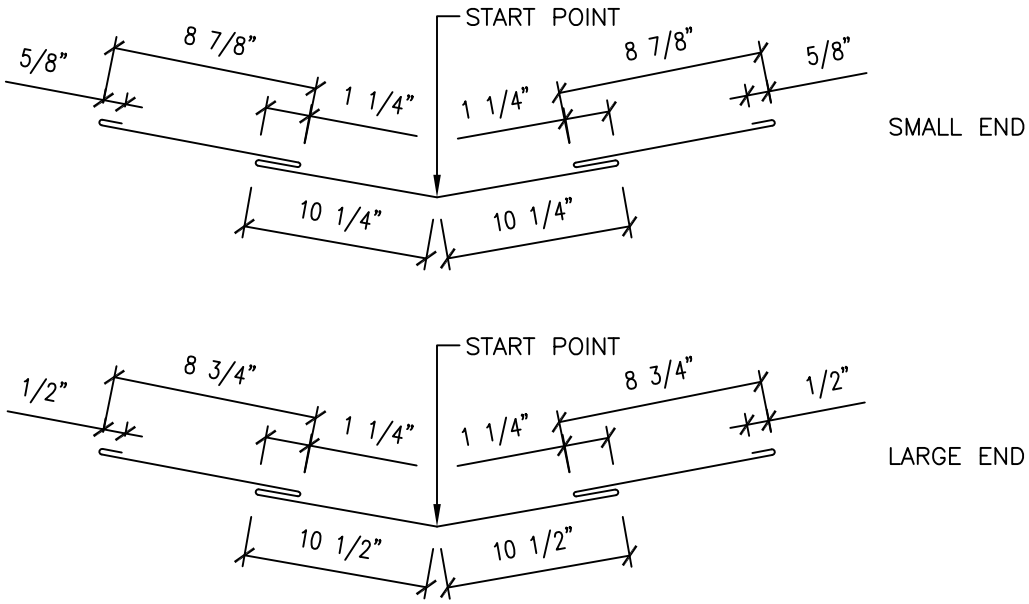
TL–72D

FOR USE WITH 48" FLAT SHEET



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

FOR USE WITH 42" FLAT SHEET



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

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

TAPERED VALLEY DETAIL W/OUT DIVERTER

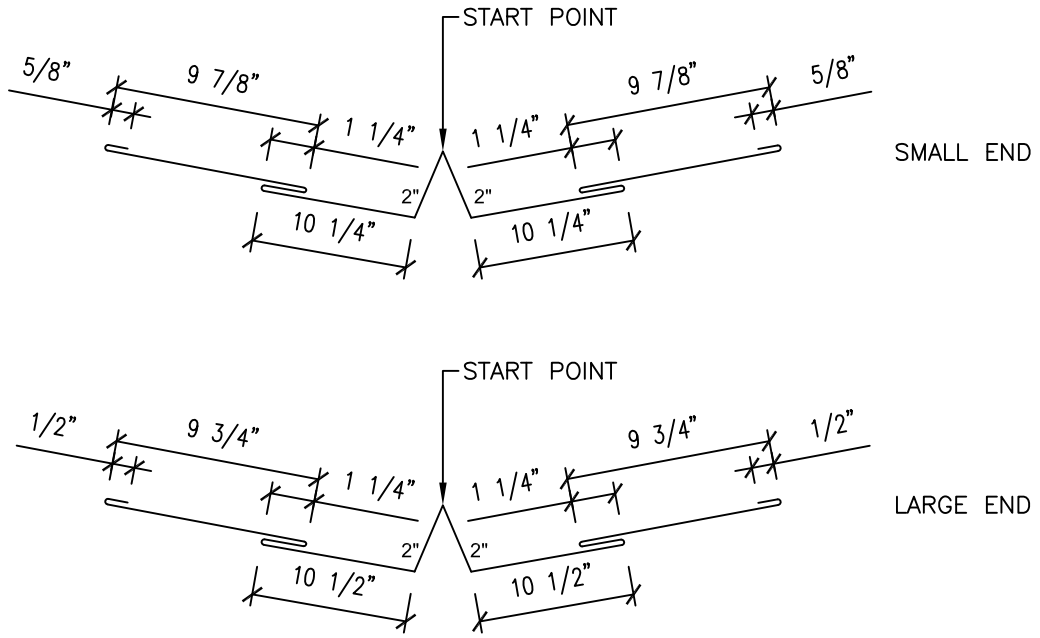
DATE: 5/23

TEE-LOCK PANEL

PAGE\FILE

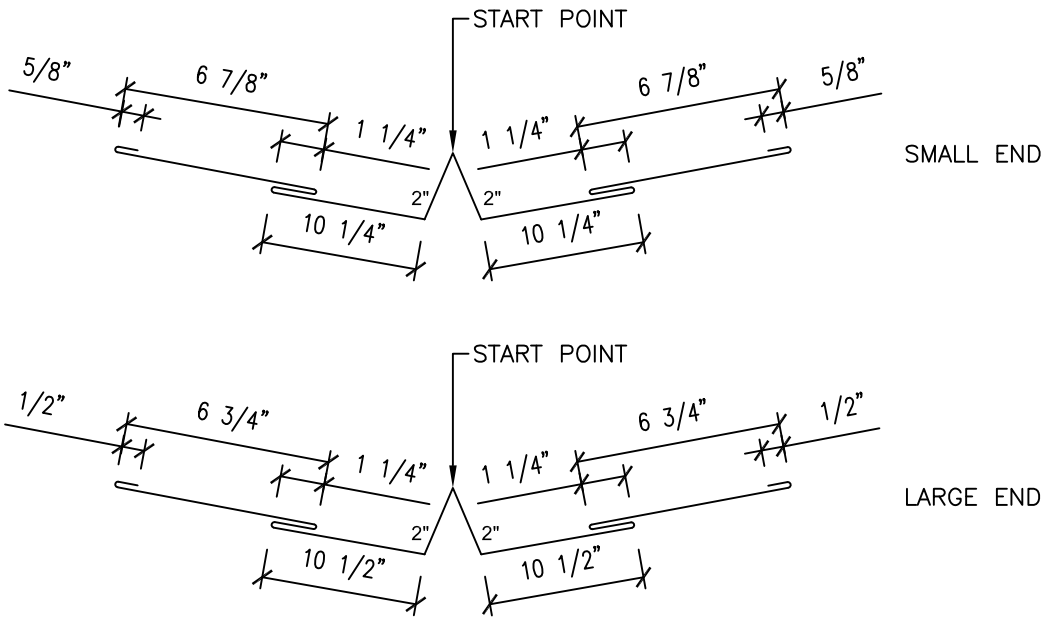
TL-73A

FOR USE WITH 48" FLAT SHEET



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

FOR USE WITH 42" FLAT SHEET



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

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

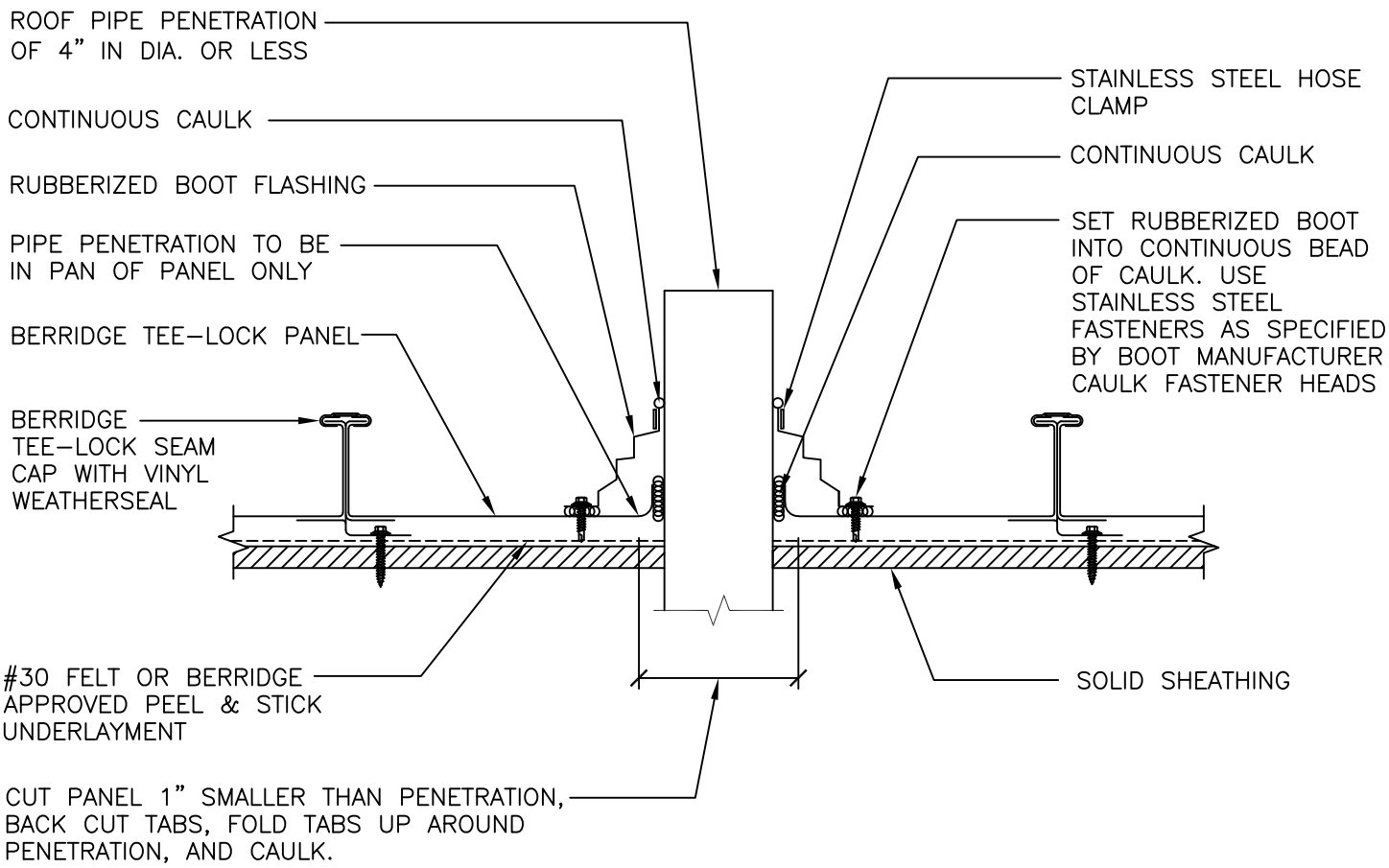
TAPERED VALLEY DETAIL W/ 2" DIVERTER

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–73D



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.

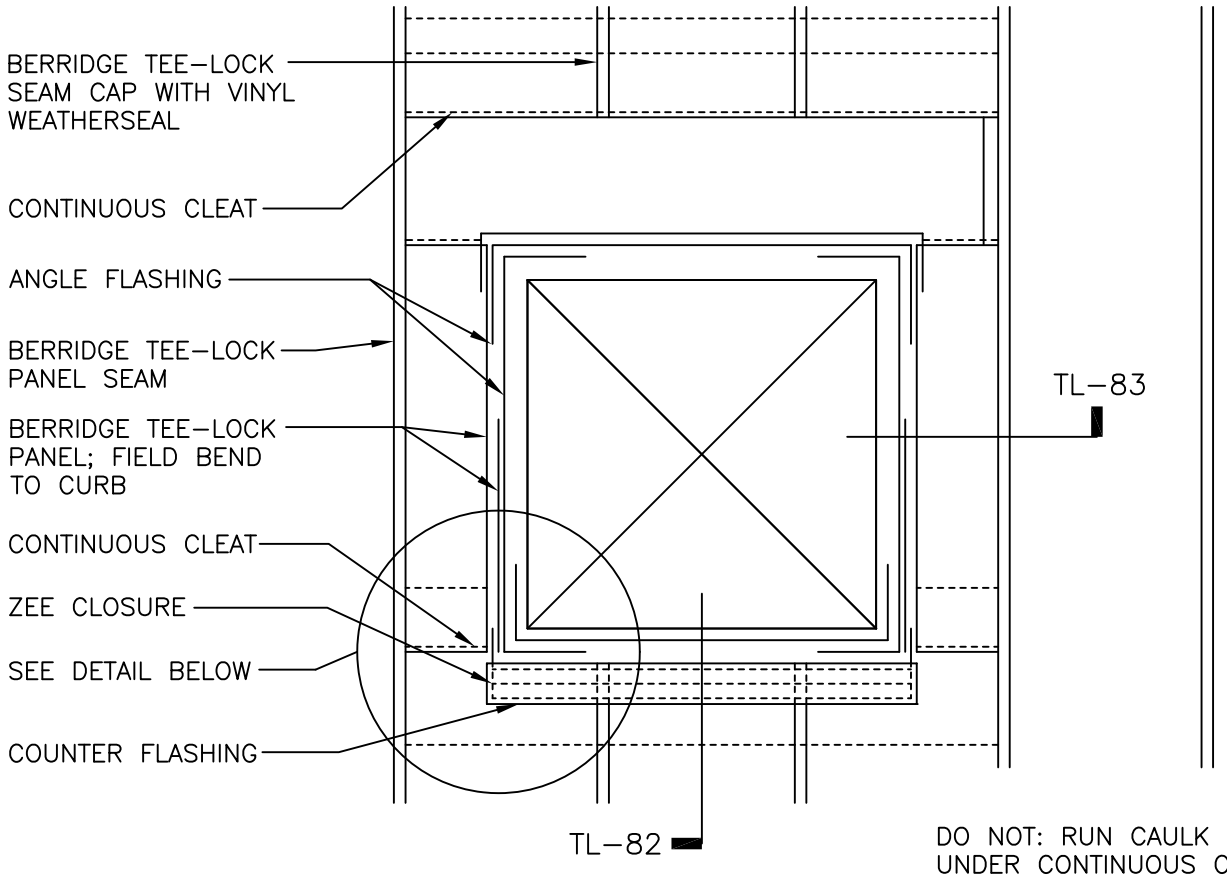
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

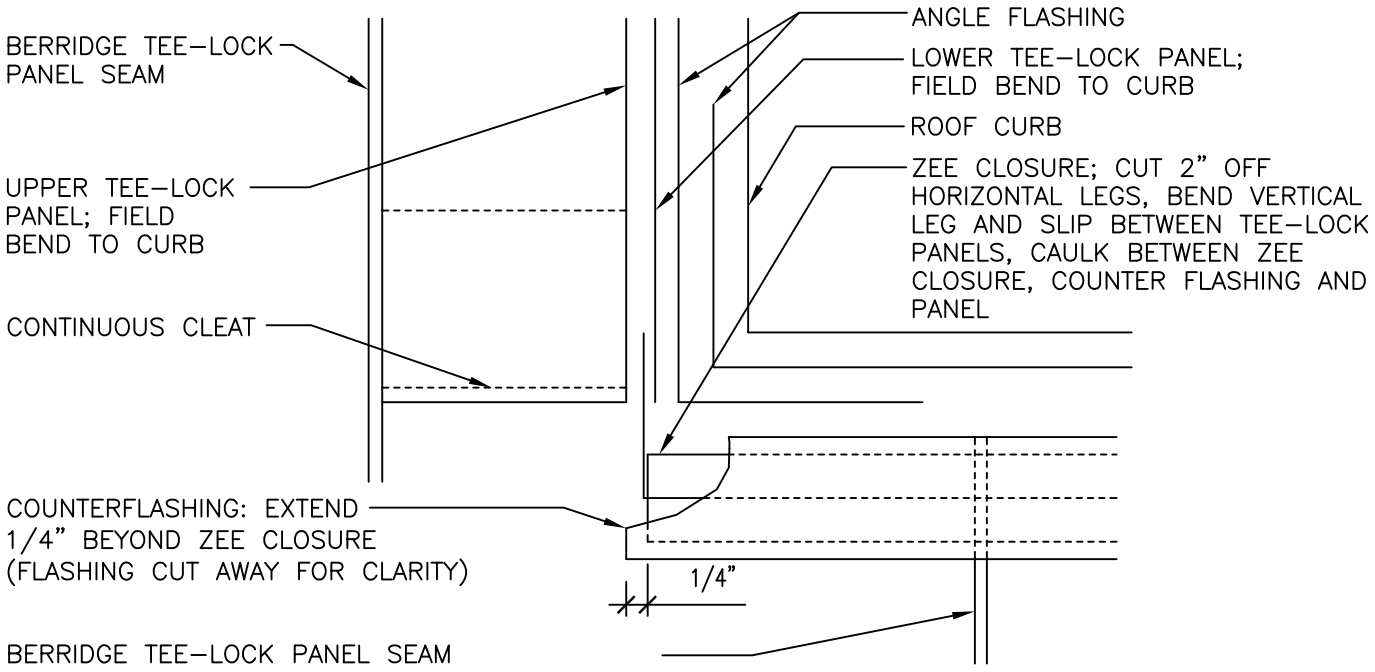
PIPE PENETRATION
(PREFERRED METHOD)
IN PAN OF PANEL ONLY
OPEN FRAMING AND SOLID SUBSTRATE

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–80





BERRIDGE MANUFACTURING COMPANY

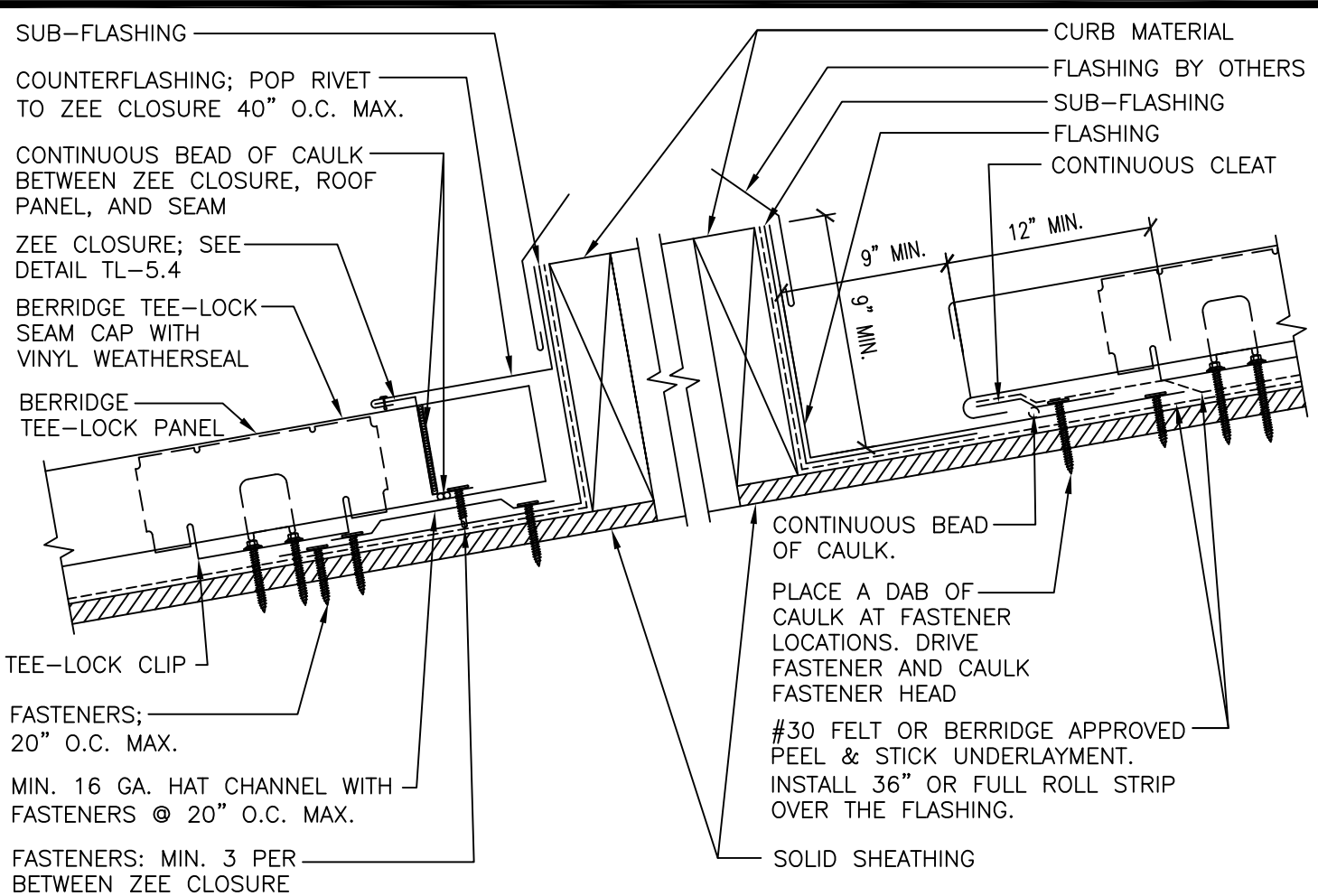
Roofs of Distinction

SQUARE PENETRATION PLAN VIEW
OPEN FRAMING AND SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
TL–81



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

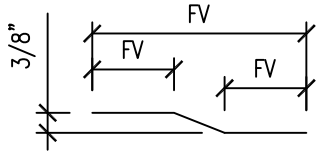
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS TL–85)

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

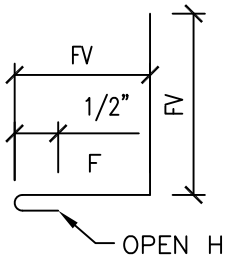
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

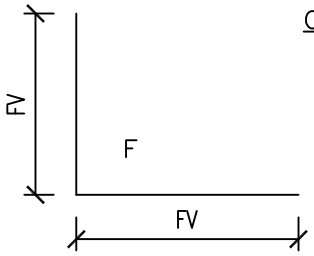
F = FINISH SIDE
FV = FIELD VERIFY



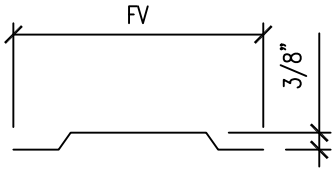
CONTINUOUS CLEAT



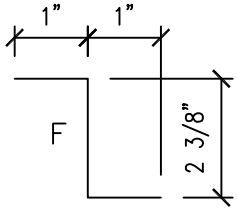
COUNTER FLASHING



SUB–FLASHING



MIN. 16 GA. HAT CHANNEL



ZEE CLOSURE

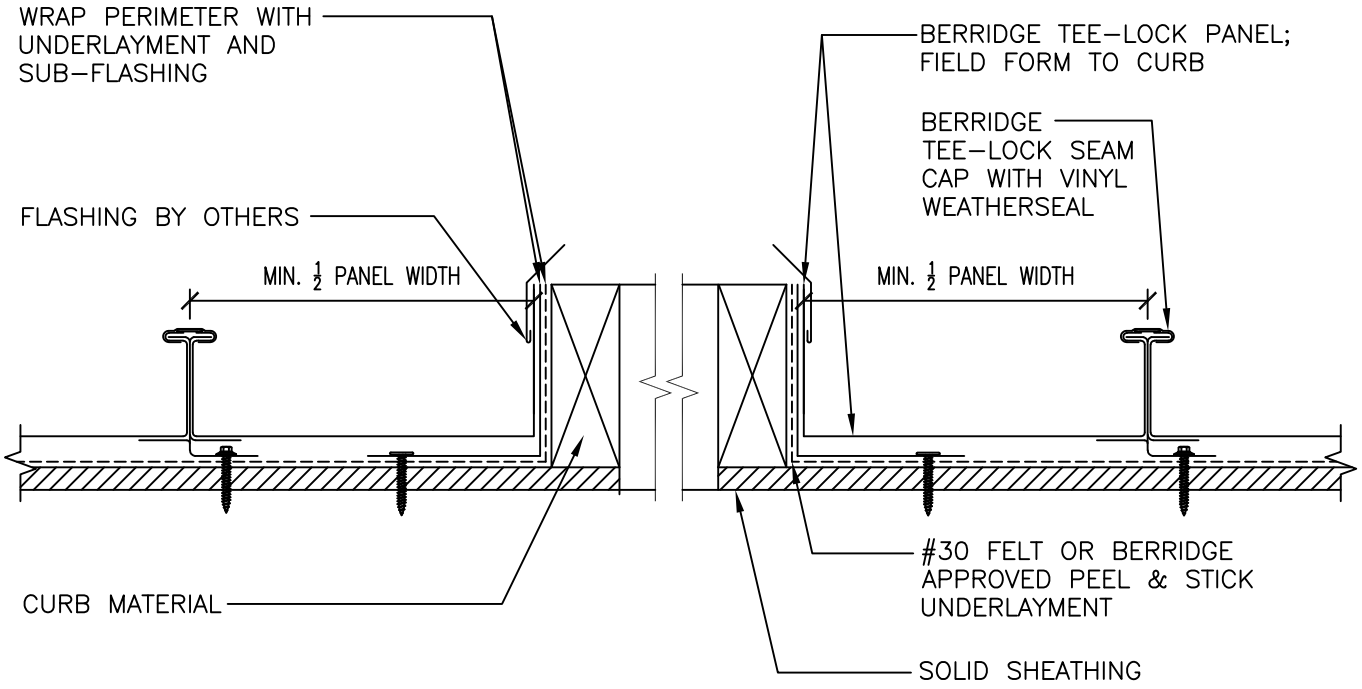
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

SQUARE PENETRATION SECTION A
OPEN FRAMING AND SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
TL–82



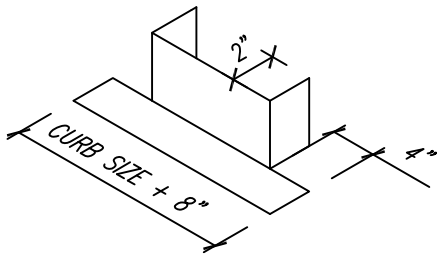
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN USED OVER OPEN FRAMING (SEE DETAILS TL–85)

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

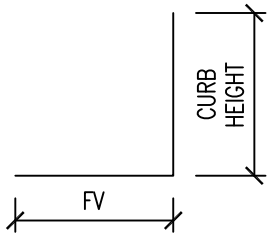
3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING. (REFERENCE INSTALLATION INSTRUCTIONS & LOAD CHARTS FOR MIN. FASTENER REQUIREMENTS)

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

F = FINISH SIDE
FV = FIELD VERIFY



WRAP FLASHING



SUB–FLASHING

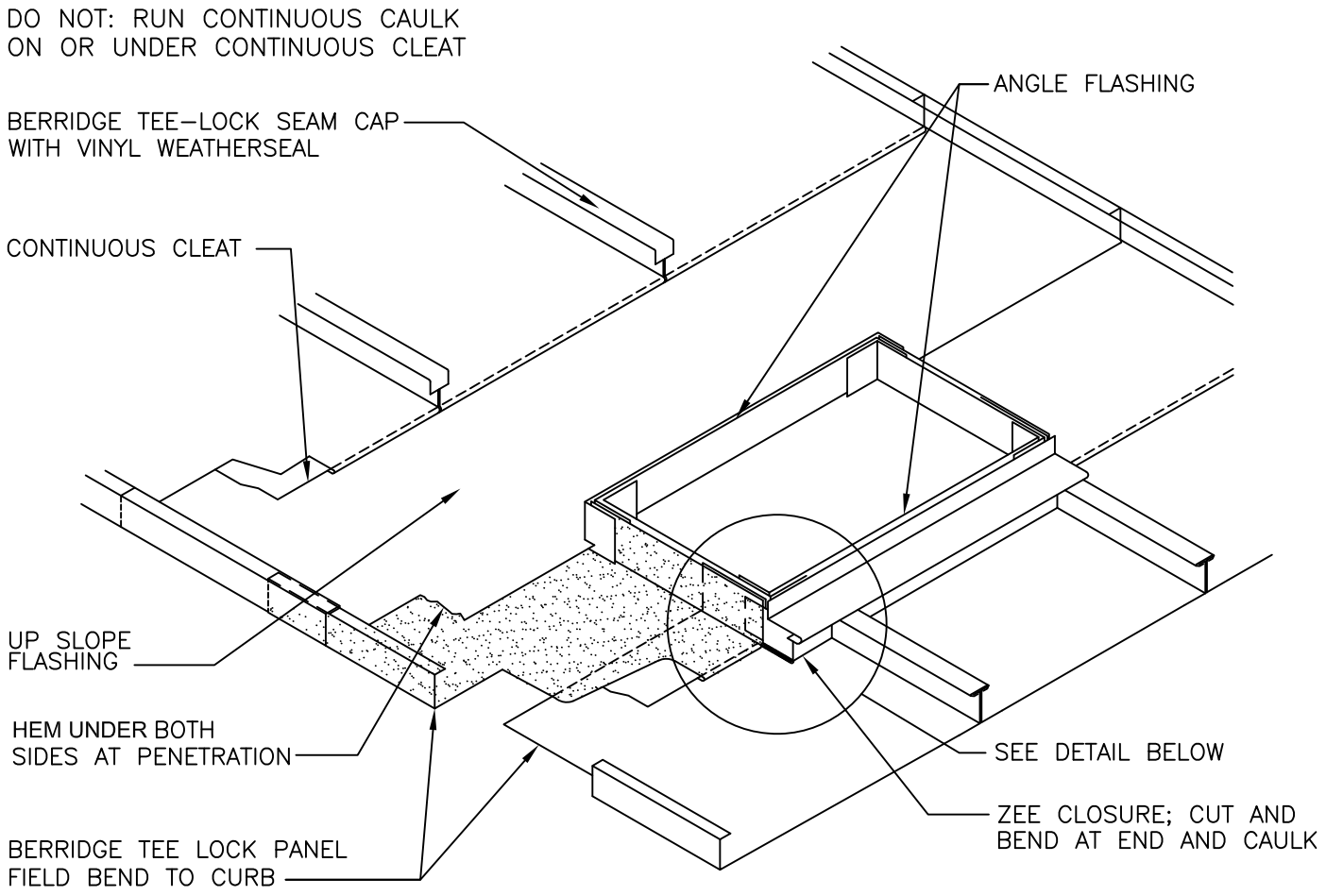
BERRIDGE MANUFACTURING COMPANY
Roofs of Distinction

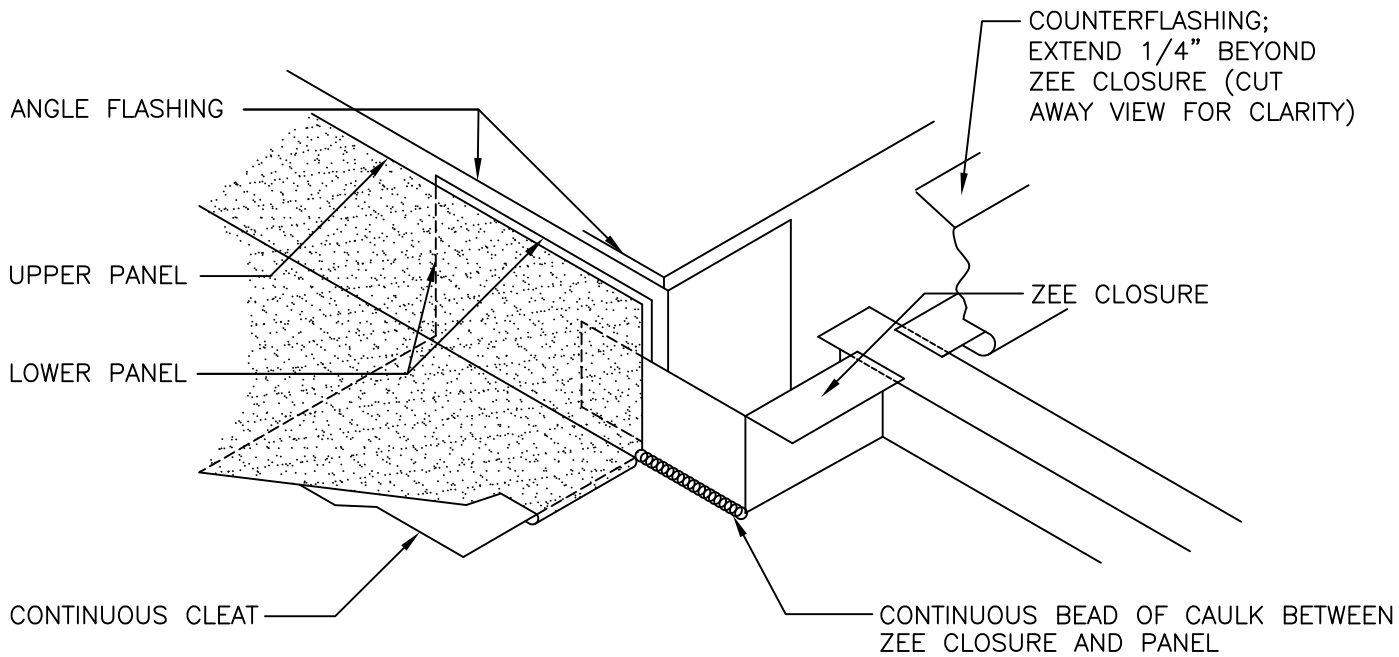
SQUARE PENETRATION SECTION B
OPEN FRAMING AND SOLID SUBSTRATE

TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE
TL–83





BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

SQUARE PENETRATION ISOMETRIC

OPEN FRAMING AND SOLID SUBSTRATE

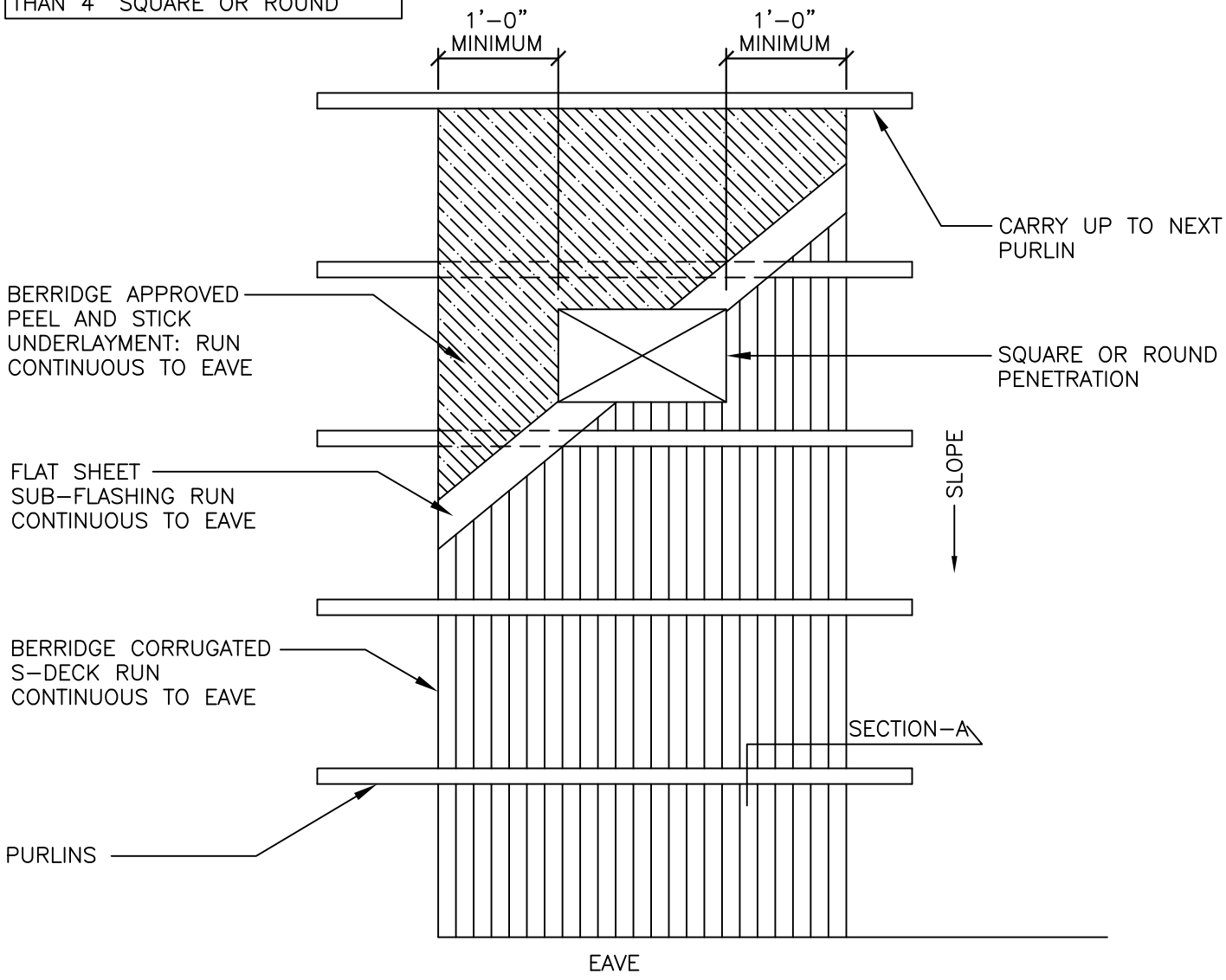
TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

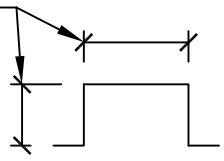
TL–84

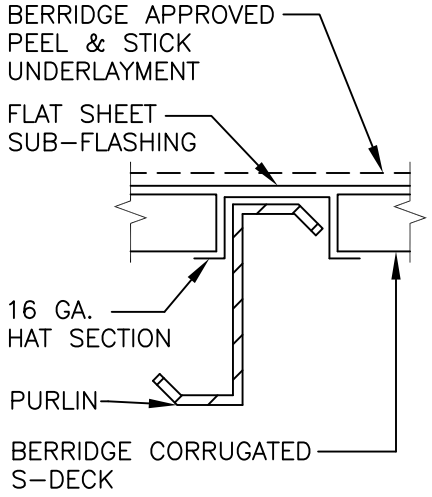
OPEN FRAMING INSTALLATION, FOR ROOF PENETRATIONS LARGER THAN 4" SQUARE OR ROUND



A 40–MIL MINIMUM THICKNESS, SELF–ADHERING MEMBRANE IS REQUIRED. REFER TO WWW.BERRIDGE.COM FOR LIST OF APPROVED PRODUCTS.

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





SECTION–A

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

PENETRATION LARGER THAN 4" OPEN FRAMING

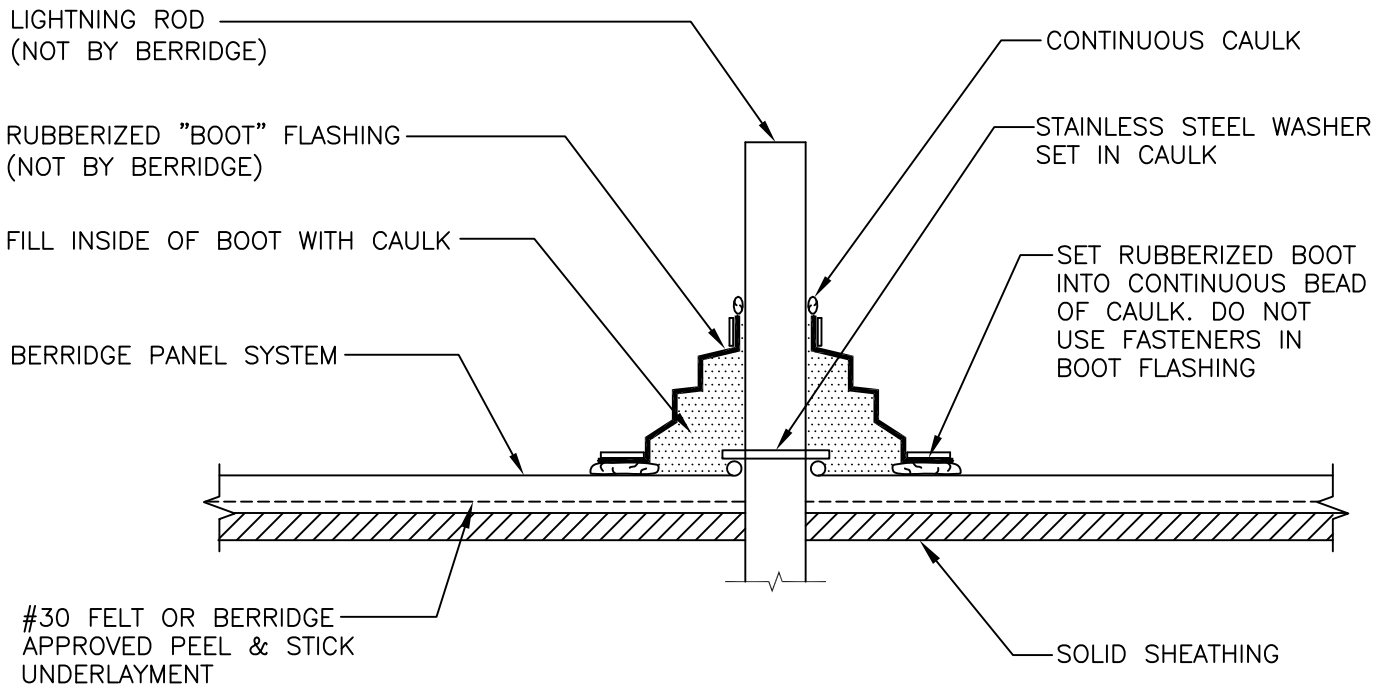
TEE–LOCK PANEL

DATE: 5/23

PAGE\FILE

TL–85

USE ONLY STAINLESS STEEL OR ALUMINUM LIGHTNING RODS



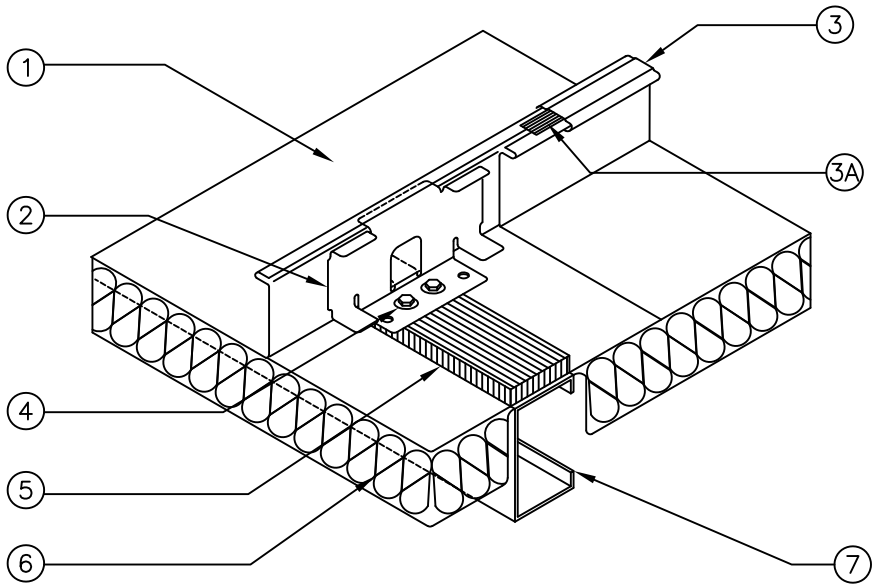
LIGHTNING CONTROL SYSTEMS ON A PROJECT ARE TO THE DISCRETION OF THE ARCHITECT OR PROJECT DESIGNER. BERRIDGE MANUFACTURING CO. MAKES NO RECOMMENDATIONS AS TO WHEN TO USE A LIGHTNING CONTROL SYSTEM.

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

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

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

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



1. BERRIDGE TEE–LOCK PANEL * – NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) MINIMUM THICKNESS COATED STEEL, 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 TEE–LOCK CLIPS: NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED 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 NO. 24 MSG (40,000 PSI) COATED STEEL. CAP CONTINUOUSLY SEAMED OVER PANEL SEAMS USING AN ELECTRIC SEAMING TOOL.

   3A. A VINYL WEATHERSEAL MUST BE USED IN SEAM CAP.

4. FASTENERS (SCREWS): #14 X 3" SELF TAPPING, HEX HEAD, STEEL SCREWS WITHOUT WASHER OR 1/4–14 HEX HEAD DRILLER WITHOUT WASHER. TWO FASTENERS PER CLIP.

5. THERMAL BLOCKS: (OPTIONAL) LOCATED OVER INSULATION AT PURLIN LOCATIONS. NOMINAL 2X4" WOOD OR 1X3" POLYSTYRENE, CONTINUOUS OVER PURLINS WHEN INSULATION EXCEEDS 4" MAX THICKNESS BEFORE COMPRESSION.

6. INSULATION: (OPTIONAL) ANY COMPRESSIBLE BLANKET INSULATION, 6" MAXIMUM THICKNESS BEFORE COMPRESSION.

7. PURLINS – NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED STEEL 5'–0" ON CENTER MAXIMUM SPACING.

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

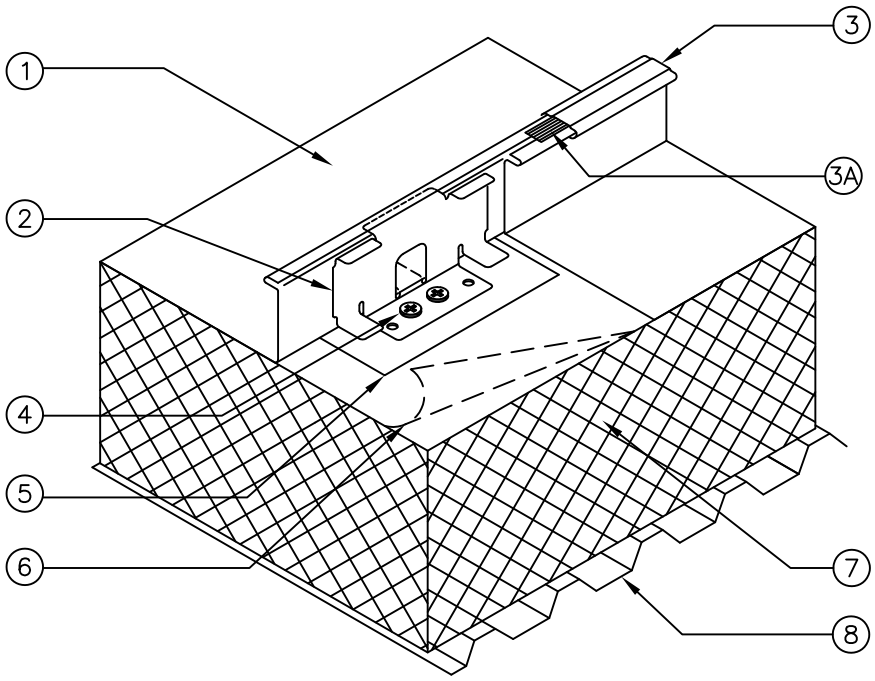
UL90 APPROVED ASSEMBLY NO. 268. TEE–LOCK PANEL TO OPEN PURLINS

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–90



1. BERRIDGE TEE–LOCK PANEL * – NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) MINIMUM THICKNESS COATED STEEL, 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 TEE–LOCK CLIPS: NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED 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. 24 MSG (40,000 PSI) COATED STEEL. 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.

BERRIDGE MANUFACTURING COMPANY

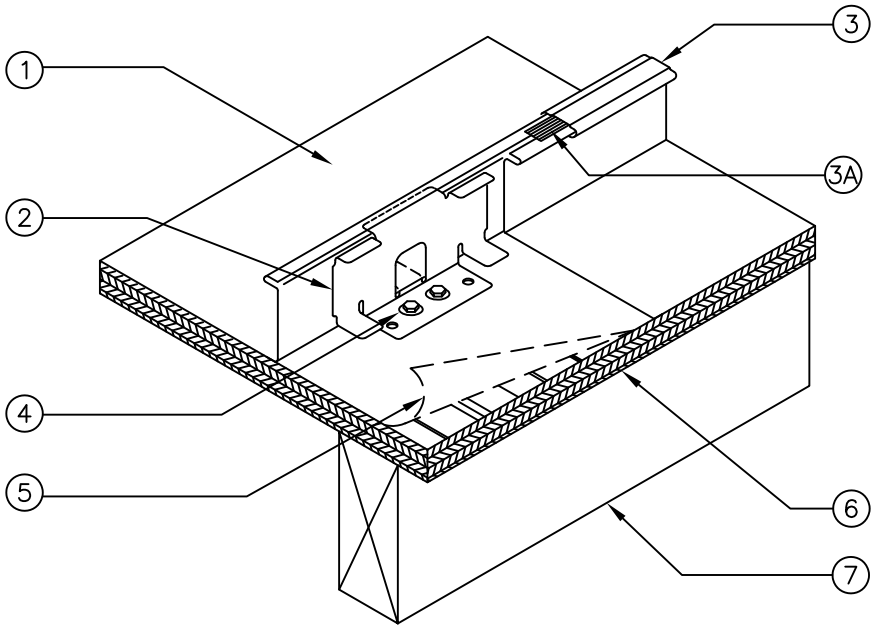
Roofs of Distinction

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

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE
TL–91



1. BERRIDGE TEE–LOCK PANEL * – NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) MINIMUM THICKNESS COATED STEEL, 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 TEE–LOCK CLIPS: NO. 16 MSG (MIN. YIELD STRENGTH 50,000 PSI) COATED 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 NO. 24 MSG (40,000 PSI) COATED STEEL. 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 $\frac{19}{32}$" 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

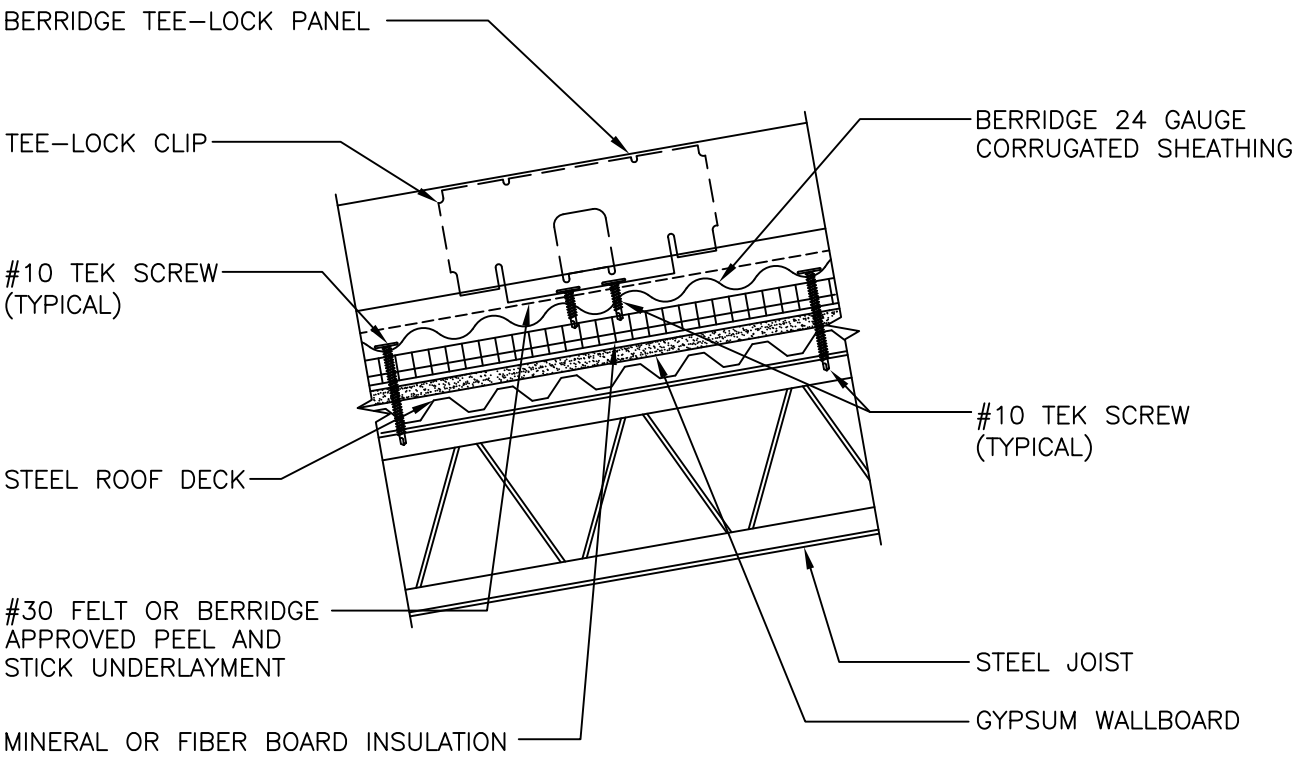
Roofs of Distinction

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

DATE: 5/23

PAGE\FILE
TL–92

TEE–LOCK PANEL



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

2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE–RESISTANT ROOF ASSEMBLIES: UL DESIGN NUMBER P225, P230, P237, P250, P259, P508, P510, P514, AND P227 USING CELLULAR GLASS BLOCK IN LIEU OF MINERAL INSULATION BOARD.

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

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

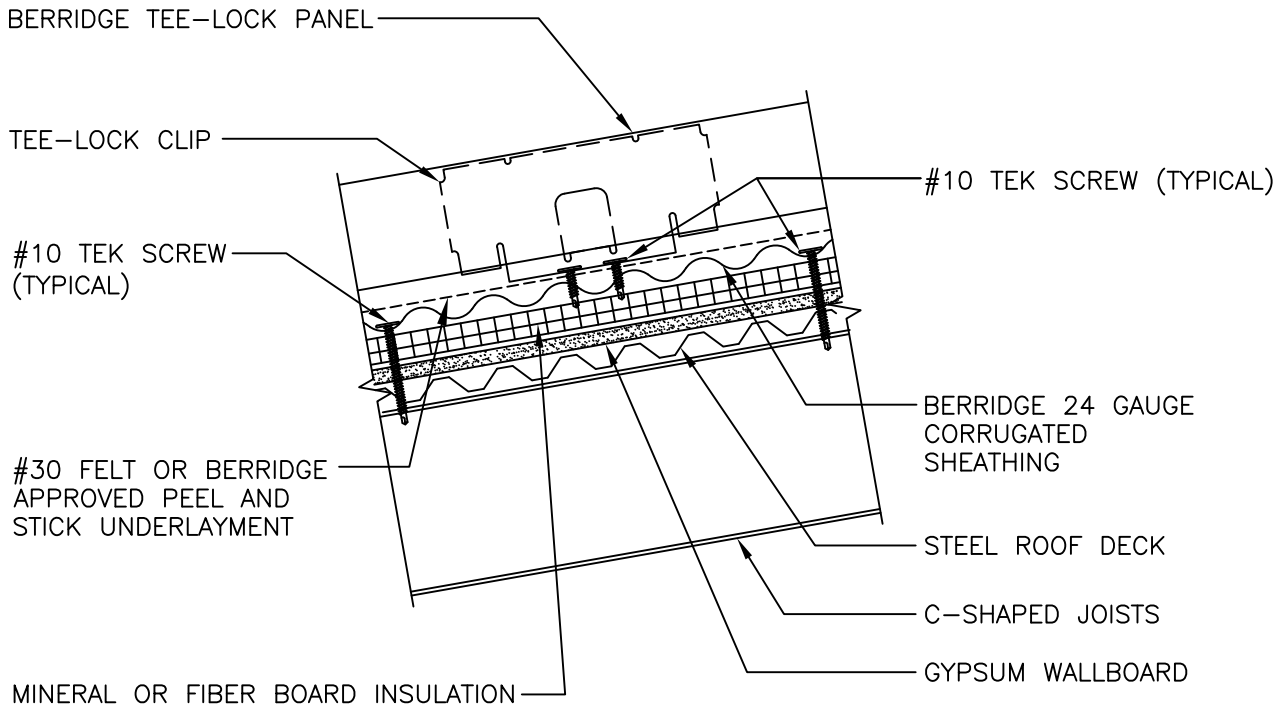
UL FIRE RESISTANCE ROOF ASSEMBLY

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–100



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

2. THIS ASSEMBLY QUALIFIES FOR THE UL FIRE–RESISTANT ROOF ASSEMBLIES: P512 & P518, LESS THE MINERAL BOARD REQUIREMENTS.

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

BERRIDGE MANUFACTURING COMPANY

Roofs of Distinction

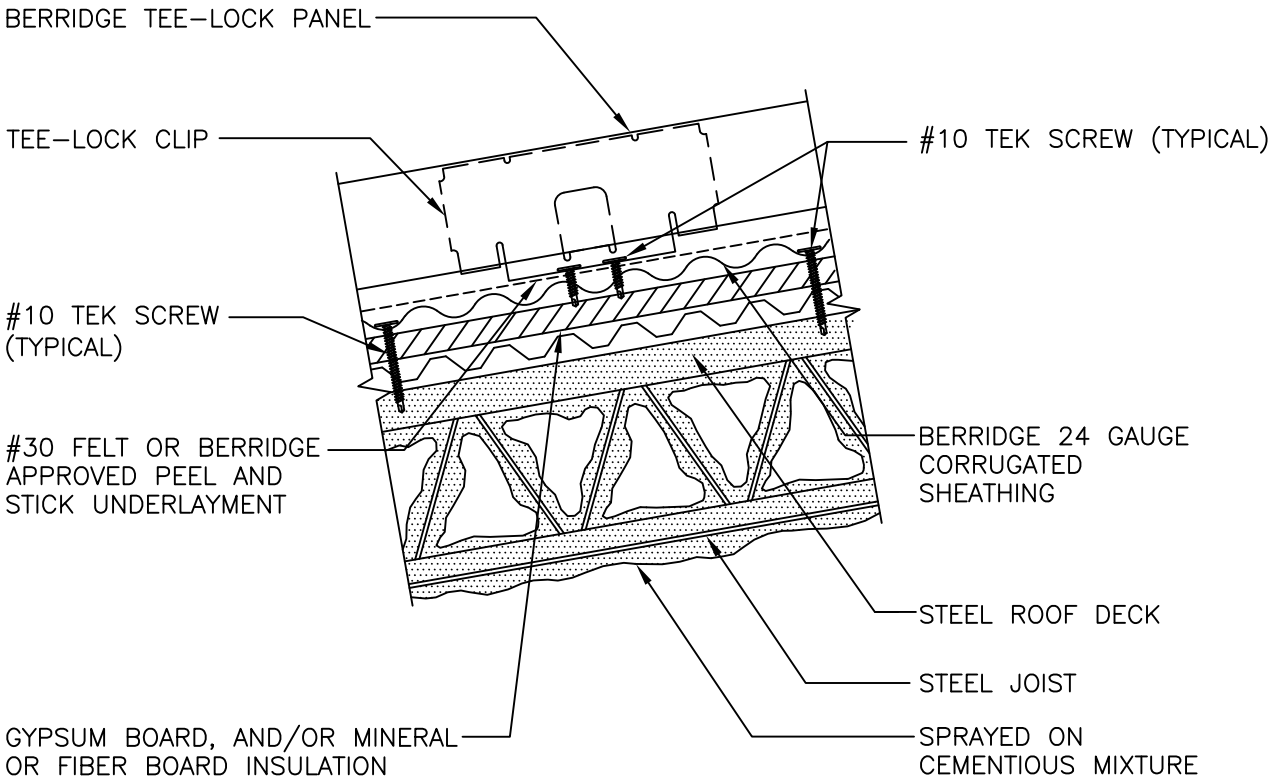
UL FIRE RESISTANCE ROOF ASSEMBLY

DATE: 5/23

TEE–LOCK PANEL

PAGE\FILE

TL–101



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

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

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