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A. BERRIDGE TEE LOCK PANEL:
   THE TEE LOCK PANEL IS FACTORY FABRICATED AND/OR FIELD
   FABRICATED (USING THE BERRIDGE PORTABLE ROLL FORMER)
   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 ON 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 ON 12 OR GREATER. FOR LOWER SLOPES CONTACT BERRIDGE TECHNICAL DEPARTMENT.

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
   PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM
   MUST BE REMOVED PRIOR TO INSTALLATION.

E. SOLID SHEATHING REQUIREMENTS: BERRIDGE MANUFACTURING COMPANY RECOMMENDS
   THE USE OF EITHER A MINIMUM BERRIDGE 24 GA. CORRUGATED SHEATHING
   OR A MINIMUM OF 1/2” PLYWOOD SHEATHING TO PROVIDE
   SUFFICIENT HOLDING POWER FOR FASTENERS. CONTACT BERRIDGE MANUFACTURING’S
   ENGINEERING DEPARTMENT FOR USE OF ANY OTHER TYPE OF SOLID SHEATHING.
   DUE TO # 30 FELOL TENDENCY TO TEAR WHEN USED OVER CORRUGATED DECKING
   BERRIDGE RECOMMENDS THAT THE ARCHITECT, DESIGNER, AND ROOFING INSTALLER REVIEW
   THE USE OF A BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT AND FOLLOW PRODUCT
   INSTALLATION INSTRUCTIONS FROM SAID UNDERLAYMENT MANUFACTURER PRIOR TO
   INCORPORATION INTO ANY PROJECT

F. SHEATHING INSPECTION:
   1. SHEATHING END JOINTS SHOULD BE STAGGERED.
   2. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
   3. BLOCKING OF “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 CAPS.
   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: CONSULT BERRIDGE MANUFACTURING’S ENGINEERING
   DEPARTMENT FOR STRUCTURAL PROPERTIES AND ALLOWABLE LOAD SPANS OF THE
   BERRIDGE TEE LOCK PANEL.
   DIAPHRAGM CAPABILITIES AND PURLIN STABILITY ARE MINIMAL AS PROVIDED BY THE
   BERRIDGE TEE LOCK PANEL SYSTEM, THEREFORE OTHER BRACING MAY
   BE REQUIRED TO CONFORM TO AISI SPECIFICATIONS.
H. OPEN FRAMING INSPECTION:

1. PURINS 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 PURINS WILL RESULT IN ABNORMAL “OIL CANNING” PANELS. PURINS 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 SHIMMS.

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

J. FELT UNDERLAYMENT: MINIMUM 30# FELT OR BERRIDGE APPROVED PEEL & STICK UNDERLAYMENT MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE TYPICAL TEE LOCK AND FELTING 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 IN THE TEE LOCK TYPICAL DETAILS.

BERRIDGE APPROVED PEEL & STICK MAY BE REQUIRED ON LOW SLOPED ROOFS OR AT CERTAIN FLASHING CONDITIONS.

K. FELTING INSTALLATION:

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

2. SWEEP ROOF AREA CLEAN.

3. USE FLAT HEAD GALVANIZED OR ZINC PLATED FASTENERS WITH BERRIDGE GALVANIZED FELT CAPS.

4. INSTALL VALLEY UNDERLAYMENT FIRST.

5. INSTALL UNDERLAYMENT PARALLEL TO THE EAVE, (2 LAYERS REQUIRED AT EAVE) STARTING AT EAVE AND USING MINIMUM 6” LAPS. USE 2 LAYERS OF FELT ON ENTIRE ROOF DECK IF ROOF SLOPE IS 3 ON 12 OR LESS. 2 LAYERS OF UNDERLAYMENT REQUIRED AT EAVE REGARDLESS OF SLOPE.

6. REFER TO FELTING DETAILS WHEN VALLEYS OR ROOF PENETRATIONS ARE INVOLVED ON OPEN FRAMING CONDITIONS.

7. INSULATE BETWEEN WOOD BLOCKING AND METAL WITH 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 THERMAL EXPANSION CHART TO DETERMINE ANTICIPATED THERMAL MOVEMENT OF THE PANELS. IMPROPERLY DESIGNED FLASHING CAN ALLOW PANELS TO DISENGAGE FROM THE FLASHING, ALLOW OIL—CANNING IN THE PANEL AND/OR CAUSE FLASHING TO WORK LOOSE FROM ITS ANCHORAGE.
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 RECOMMENDATIONS: SELECT FROM APPROVED SEALANT LIST FOUND ON THE BERRIDGE WEB SITE

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.

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.

Q. PANEL INSTALLATION:

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

2. START PANEL, TEE LOCK CLIP OR TEE LOCK CONTINUOUS RIB INSTALLATION.

3. INSTALL SEAM CAP, HAND CRIMP IN PLACE AND USE BERRIDGE POWER DRIVEN SEAMER.

5. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS. ANY CRIMPS IN VERTICAL LEGS MUST BE STRAIGHTENED (TOTA LLY STRAIGHT WITHOUT ANY BENDS, CRIMPS, CREASES, ETC.) PRIOR TO SEAM INSTALLATION.

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

   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 SEAM CAP IF OBSTRUCTION PREVENTS SEAMING MACHINE FROM SEAMING OR HAND CRIMP THE SEAM CAP ALL THE WAY 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.

T. TEE LOCK CLIPS / CONTINUOUS TEE LOCK RIB

1. INSTALL TEE LOCK CLIPS OR CONTINUOUS TEE LOCK RIB AS PER BERRIDGE TYPICAL TEE LOCK PANEL DETAILS AND ENGINEERING REQUIREMENTS.

   IF LOCAL CODES OR OTHER REGULATIONS DICTATE SPECIFIC WIND UPLIFT REQUIREMENTS, CONSULT BERRIDGE ENGINEERING DEPARTMENT, AS IT MAY BE NECESSARY TO USE A DIFFERENT CLIP SPACING OR FASTENER.

   ** USE STAINLESS STEEL Clip OR RIB FOR ALUMINUM PANELS
FASTENERS: INSTALL FASTENERS AS PER TYPICAL DETAILS.

USE (2) #12-11X1” PANCAKE HEAD TYPE "A" ZINC PLATED FASTENERS PER PANEL CLIP WHEN FASTENING TO PLYWOOD (CLIP SPACING 2'-0" O.C. MAX)

INSULATED ROOF DECK
USE (2) #14-13 ZINC PLATED SELF-DRILLING FASTENERS PER PANEL CLIP TO METAL DECK (CLIP SPACING 3'-0" O.C. MAX)

INSULATED DECK ASSEMBLIES REQUIRE STRUCTURAL ANCHORING POINT FOR PANELS AND FLASHINGS AT PERIMETERS AND PANEL TERMINATIONS SUCH AS WOOD BLOCKING

OPEN FRAMING, 16 GAUGE PURLINS
USE (2) #12-14X1” ZINC PLATED SELF-DRILLING FASTENERS PER PANEL CLIP TO PURLIN (CLIP SPACING 5'-0" O.C. MAX)

** USE STAINLESS STEEL FASTENERS FOR ALUMINUM PANELS

WHEN USING POP RIVETS ON FLASHING, STAINLESS STEEL RIVETS ARE RECOMMENDED TO AVOID RUST STAINS.

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.

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. FURTHERMORE, BERRIDGE UTILIZES HEAVIER 24 GAUGE METAL RATHER THAN 26 GAUGE STEEL AS OFFERED BY MANY COMPETITORS. ALL THESE MEASURES HAVE BEEN TAKEN TO MINIMIZE THE AMOUNT OF "OIL—CANNING" (WAVINESS) WHICH IS NATURALLY INHERENT IN FLAT SHEET METAL. MANY TIMES, HOWEVER, THE CAUSE OF WAVINESS OR "OIL—CANNING" CAN BE TRACED TO UNEVEN SHEATHING, IMPROPER FELT 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.

* CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING TO FASTENER TYPE & CLIP SPACING FOR MEETING LOCAL DESIGN CRITERIA, OR THE POSSIBILITY OF THE USE OF ANOTHER TYPE OF FASTENER
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.
EXPANSION AND CONTRACTION OF ALUMINUM PANELS DUE TO LONGITUDINAL THERMAL MOVEMENT MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZES THE NEED TO PROVIDE AMPLE CLEARANCES FROM GUTTERS, RIDGES, ENDWALL, ETC.

MAXIMUM TEMPERATURE SHOULD BE NO LOWER THAN 140°F FOR WHITE PANELS, UP TO 180° FOR DARK PAINTED PANELS, REGARDLESS OF AMBIENT MAXIMUM, MINIMUM SHOULD BE FIGURED WELL BELOW AMBIENT MINIMUM TO ALLOW FOR RADIATION TO NIGHT SKY. IN ANY CASE, A MINIMUM OF 100°F DIFFERENTIAL IS RECOMMENDED.
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 SHALL 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.
AT SPLICE LAP SEAM CAPS 4" OVER CENTER LINE OF TEE LOCK CLIP
APPLY CONTINUOUS CAULK BETWEEN SEAM CAPS AT SPLICE AND HAND CRIMP BEFORE SEAMING

TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIBS

BERRIDGE TEE LOCK PANEL

OPTIONAL VINYL WEATHERSEAL INSIDE SEAM CAP

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

OPTIONAL VINYL WEATHERSEAL INSIDE SEAM CAP

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

ROOF SLOPE
Consult Berridge Manufacturing's Engineering Department regarding fastener type & spacing.

Panel Section

18" Exposure

2 3/8"

If required, splice seam cap 4" apply continuous caulk at splice and hand crimp before seaming, reference detail TL-5.1

Optional Vinyl Weatherseal

Seam Cap

Berridge Tee Lock Panel

Continuous Tee Lock Rib

Seam Section

1 3/16"

2 13/16"

7/16"
CUT AWAY HORIZONTAL TAB 2"
CUT VERTICAL LEG 1/4"
BY 2" AT SPLICE

CONTINUOUS TEE LOCK RIBS

SPlice RIBS 2" DO NOT
SPlice BOTH RIBS AT
SAME LOCATION, AND
DO NOT SPlice RIBS
AT A SEAM SPLICE

PROJECT SPECIFIC
FASTENER(S) AT SPLICE

CONTINUOUS TEE LOCK RIBS

SPlice RIBS OVER SOLID SHEATHING OR
OVER CENTER OF PURLIN
IF REQUIRED, SPLICE SEAM CAP
4" APPLY CONTINUOUS CAULK
AT SPLICE AND HAND CRIMP
BEFORE SEAMING
REFERENCE DETAIL
TL-5.1

CONSULT BERRIDGE
MANUFACTURING’S ENGINEERING
DEPARTMENT REGARDING
FASTENER TYPE & CLIP SPACING

USE CLIP HOLES NEAR THE
CENTER OF THE CLIP

USE OTHERS CLIP HOLES ONLY WHEN
DIRECTED BY BERRIDGE’S ENGINEERING DEPARTMENT

PANEL SECTION

TEE LOCK CLIP

SEAM CAP

BERRIDGE TEE
LOCK PANEL

OPTIONAL VINYL
WEATHERSEAL

TEE LOCK CLIP

SEAM SECTION

SEAM CAP

1 3/16"

2 13/16"

7/16"
1. INSULATING MATERIAL (BY OTHERS)

2. CORRUGATED DECK AND PUR LIN TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. CONTINUOUS WOOD BLOCKING (BY OTHERS) MAY BE USED IN LIEU OF ZEE PUR LINS. BLOCKING MUST BE SAME DEPTH AS INSULATION.

4. PUR LIN SPACING AND FASTENER TYPE WILL BE DEPENDENT ON GOVERNIN G CODE AND SPECIFICATION REQUIREMENTS.

5. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES FASTENERS PER ENGINEERING AND ARCHITECTURAL SPECIFICATIONS

ZEE PUR LIN, MINIMUM 20 GAUGE STEEL, DEPTH DETERMINED BY INSULATION DEPTH AND LEGS DETERMINED BY PITCH OR METAL DECK
CONTACT BERRIDGE’S ENGINEERING DEPARTMENT FOR JOB SPECIFIC GAUGE AND SPACING

BUTT INSULATION UP TO PUR LIN
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 PANEL PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART.

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

3. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

4. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)
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 PANEL PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART.

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

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & SPACING.
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES. CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)
1. Field cut Zee closure to fit between panel seams.

2. Reference Berridge’s Web site for approved underlayment and caulk types. Consult Berridge Manufacturing’s Engineering Department regarding fastener type & spacing.
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)

[Diagram of ridge cap installation with various annotations and specifications]
SECTION VIEW

FIELD FORM END OF RIDGE FLASHING AND EXTEND UNDER CLEAT

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

FIELD TAPERED ZEE CLOSURE WITH CONTINUOUS CAULK UNDER ZEE CLOSURE

BERRIDGE TEE LOCK PANEL W/ OPTIONAL VINYL WEATHERSEAL

TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIB

MINIMUM 30# FELT OR BERRIDGE APPROVED PEEL & STICK

FASTENERS; 36" O.C. MAX. PLACE A DAB OF CAULK AT FASTENER LOCATION DRIVE FASTENER AND CAULK FASTENER HEAD

16 GAUGE CLEAT

SOLID SHEATHING

PLAN VIEW

MAIN ROOF PANELS

RIDGE FLASHING

VALLEY FLASHING

DORMER PANEL

RIDG TERMINATION AT DORMER VALLEY

TEE LOCK PANEL

Berridge Manufacturing Company

DATE: 09/02/17

PAGE/FILE TL-23
1. **FIELD CUT AND FORM LAST PANEL AROUND DRIP FLASHING. PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.**

2. **SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.**

3. **REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES**
   **CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)**
1. Field cut and form last panel around drip flashing. Panel must be continuous from ridge to eave.

2. Reference Berridge’s web site for approved underlayment and caulk types. Consult Berridge Manufacturing’s engineering department regarding fastener type & clip spacing (reference page TLI-5 for minimum fastener requirements).
1. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

2. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES
CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)
1. Field cut Zee closure to fit between panel seams

2. Solid sheathing (by others) to meet engineering and architectural specifications in strength for holding power of fasteners, minimum requirements page TLI-1.

3. Reference Berridge’s web site for approved underlayment and caulk types. Consult Berridge Manufacturing’s engineering department regarding fastener type & clip spacing (reference page TLI-5 for minimum fastener requirements)

Berridge Manufacturing Company

Parapet Detail
Solid Sheathing

Tee Lock Panel

Date: 09/02/17

Page/File
TL-40
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES. CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS).
1. Field cut Zee closure to fit between panel seams.

2. Reference Berridge’s web site for approved underlayment and caulk types. Consult Berridge Manufacturing’s engineering department regarding fastener type & clip spacing (Reference page TL-5 for minimum fastener requirements).
1. Field cut and form last panel into closure channel, panel must be continuous from ridge to eave.

2. Solid sheathing (by others) to meet engineering and architectural specifications in strength for holding power of fasteners, minimum requirements page TLI-1.

3. Reference Berridge’s web site for approved underlayment and caulk types consult Berridge Manufacturing’s engineering department regarding fastener type & clip spacing (reference page TLI-5 for minimum fastener requirements)

F = Finish Side

Open Hem

Counter Flashing

Sub-Flashin

Closure Channel
1. FIELD CUT AND FORM LAST PANEL INTO CLOSURE CHANNEL, PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE'S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)
BERRIDGE TEE LOCK PANEL W/ OPTIONAL VINYL WEATHERSEAL

TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIB

MINIMUM 30# FELT OR
BERRIDGE APPROVED
PEEL & STICK

FIELD CUT SEAM AND FORM
PAN AROUND EAVE FLASHING

GAP; SEE NOTE DETAIL TL-10

MAXIMUM EXPANSION
OF PANEL + 1/2"

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

SPECIAL ZEE CLOSURE CUT TO FIT
BETWEEN SEAMS

CONTINUOUS BEAD OF CAULK
BETWEEN TEE LOCK PANEL
AND ZEE CLOSURE

TEE LOCK CLIP OR CONTINUOUS
TEE LOCK RIB

BERRIDGE TEE LOCK PANEL
W/ OPTIONAL VINYL WEATHERSEAL

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN SEAMS.

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TL1-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES
CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TL1-5 FOR MINIMUM FASTENER REQUIREMENTS)

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

OPEN HEM

F = FINISH SIDE

CONTINUOUS 16 GAUGE CLEAT

SPECIAL ZEE CLOSURE

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PAGE/FILE
TL-60
BERRIDGE TEE LOCK PANEL W/ OPTIONAL VINYL WEATHERSEAL

FIELD CUT SEAM AND FORM PANEL PAN AROUND CLEAT

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

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS

BERRIDGE TEE LOCK PANEL W/ OPTIONAL VINYL WEATHERSEAL

TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIB

CONTINUOUS 16 GAUGE CLEAT

MINIMUM 30# FELT OR BERRIDGE APPROVED PEEL & STICK

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

SOLID SHEATHING

FASTENERS 20" O.C. MAX.

CONTINUOUS SUB FLASHING 4" END LAPS W/ CONTINUOUS CAULK AT LAPS

CONTINUOUS 16 GAUGE CLEAT

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN SEAMS.
2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.
3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)

SLOPE TRANSITION DETAIL
SOLID SHEATHING

TEE LOCK PANEL

F = FINISH SIDE

1/2" F

OPEN HEM

SLOPE TRANSITION FLASHING

SUB-FLASHING

2 1/2"

3"

3/8"

CONTINUOUS 16 GAUGE CLEAT

1"

ZEE CLOSURE

Berridge Manufacturing Company

Roofs of Distinction
BERRIDGE TEE LOCK PANEL W/ OPTIONAL VINYL WEATHERSEAL
TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIBS

CONTINUOUS CLEAT W/ FASTNERS 20° O.C.
CONTINUOUS BEAD OF CAULK

30# FELT UNDERLAMINATION
OR BERRIDGE APPROVED
PEEL & STICK

FIELD CUT PANEL SEAM
FORM PANEL PAN AROUND
VALLEY DO NOT RUN
CONTINUOUS CAULK IN OR
ON PANEL TURN UNDER

VALLEY FLASHING
SOLID SHEATHING
VALLEY FLASHING 12” END LAP WITH
2 CONTINUOUS BEAD OF CAULK AT LAP

1. FOR EXPANSION AND CONTRACTION OF PANELS, SEE TL-10 AND
   NOMINAL LINEAR EXPANSION CHART,

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS
   IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES
   CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER
   TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)

F = FINISH SIDE

OPEN HEMS

VALLEY FLASHING

Berridge Manufacturing Company

VALLEY DETAIL
SOLID SHEATHING

TEE LOCK PANEL

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PAGE/FILE
TL-70

Roofs of Distinction
BERRIDGE TEE LOCK PANEL W/ VINYL WEATHERSEAL

TEE LOCK CLIP OR CONTINUOUS TEE LOCK RIB
CONTINUOUS CLEAT W/ FASTNERS 20° O.C.

FIELD CUT PANEL SEAM FORM PANEL PAN AROUND VALLEY DO NOT RUN CONTINUOUS CAULK IN OR ON PANEL TURN UNDER

BERRIDGE APPROVED PEEL & STICK
FLAT SHEET VALLEY FLASHING SEE DETAIL TL-70
BERRIDGE S-DECK

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

BERRIDGE APPROVED PEEL & STICK
FLAT SHEET VALLEY SUB-FLASHING RUN RIDGE TO EAVE
BERRIDGE CORRUGATED S-DECK

FLAT SHEET VALLEY SUB-FLASHING
RUN RIDGE TO EAVE

SEE SECTION

SLOPE

16 GA. HAT SECTION

NEW ROOF HUGGER OR EXISTING BUILDING PURLIN
BERRIDGE CORRUGATED S-DECK

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

ROOFS WITH A SLOPE OF 4:12 OR LESS 6'-0" MIN.
ROOFS ABOVE 4:12 3'-0" MIN.
1. CUT HOLE TO ALLOW FOR THERMAL MOVEMENT IF PANELS ARE 30’-0” OR LONGER.
2. IF PIPE IS MADE OF METAL, IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.
3. POSITION SQUARE BASED BOOTS IN A DIAMOND ORIENTATION WHERE POSSIBLE TO AID IN DIVERTING WATER.
1. SOLID SHEATHING AND VINYL WEATHERSEAL IS REQUIRED AT THIS CONDITION WHEN THE TEE LOCK PANEL IS USED OVER OPEN FRAMING (ALSO SEE DETAIL TL-85).
1. SOLID SHEATHING AND VINYL WEATHERSEAL IS REQUIRED AT THIS CONDITION WHEN THE TEE LOCK PANEL IS USED OVER OPEN FRAMING (ALSO SEE DETAIL TL-85).

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES
CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)
1. SOLID SHEATHING AND VINYL WEATHERSEAL IS REQUIRED AT THIS CONDITION WHEN THE TEE LOCK PANEL IS USED OVER OPEN FRAMING (ALSO SEE DETAIL TL-85).

2. SOLID SHEATHING (BY OTHERS) TO MEET ENGINEERING AND ARCHITECTURAL SPECIFICATIONS IN STRENGTH FOR HOLDING POWER OF FASTENERS, MINIMUM REQUIREMENTS PAGE TLI-1.

3. REFERENCE BERRIDGE’S WEB SITE FOR APPROVED UNDERLAYMENT AND CAULK TYPES.
CONSULT BERRIDGE MANUFACTURING’S ENGINEERING DEPARTMENT REGARDING FASTENER TYPE & CLIP SPACING (REFERENCE PAGE TLI-5 FOR MINIMUM FASTENER REQUIREMENTS)

F = FINISH SIDE
CURB HT.

CURB SIZE + 8"

ANGLE FLASHING
DO NOT: RUN CONTINUOUS CAULK ON OR UNDER CONTINUOUS CLEAT

CONTINUOUS CLEAT

ANGLE FLASHING

UP SLOPE FLASHING

HEM UNDER BOTH SIDES AT PENETRATION

BERRIDGE TEE LOCK PANEL
FIELD BEND TO CURB

SEE DETAIL BELOW

ZEE CLOSURE; CUT AND BEND AT END AND CAULK

1. SOLID SHEATHING AND VINYL WEATHERSEAL IS REQUIRED AT THIS CONDITION WHEN THE TEE LOCK PANEL IS USED OVER OPEN FRAMING (ALSO SEE DETAIL TL-85).

ANGLE FLASHING

COUNTERFLASHING; EXTEND 1/4" BEYOND ZEE CLOSURE (CUT AWAY VIEW FOR CLARITY)

UPPER PANEL

LOWER PANEL

CONTINUOUS CLEAT

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND PANEL
FOR ROOF PENETRATIONS LARGER THAN 4" IN DIA.

BERRIDGE APPROVED
PEAR & STICK
RUN CONTINUOUS TO EAVE

FLAT SHEET SUB−FLASHING
RUN CONTINUOUS TO EAVE

BERRIDGE CORRUGATED
S−DECK

SEE SECTION

PURLINS

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

FLAT SHEET VALLEY FLASHING
BERRIDGE APPROVED
PEAR & STICK

16 GA. HAT SECTION

PURLIN

BERRIDGE CORRUGATED
S−DECK

SECTION

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TL-85