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WITH CEMENTIOUS THERMAL BARRIER DZ-102
A. BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL:
THE BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL IS A MODIFICATION OF THE STANDARD
ZEE-LOCK PANEL SEAM. THE ZEE-LOCK PANEL IS FACTORY FABRICATED AND/OR FIELD
FABRICATED (USING THE BERRIDGE SP-21 PORTABLE ROLL FORMER) TO A CONSTANT
PAN WIDTH OF 16" AND A CONSTANT SEAM HEIGHT OF 2" (THE BERRIDGE DOUBLE
LOCK ZEE-LOCK SIDE LAPS ARE MECHANICALLY SEAMED TO A DOUBLE LOCK
CONFIGURATION IN THE FIELD WITH THE BERRIDGE POWER DRIVEN SEAMER MACHINE).

B. MINIMUM SLOPE: THE DOUBLE-LOCK ZEE-LOCK PANEL IS RECOMMENDED FOR 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
STRIPPER PLASTIC FILM TO ADHERE TO THE METAL PERMANENTLY AND DISCOLOR
THE FINISH. IF THIS SHOULD OCCUR THE PAINT WARRANTY WILL BE VOID.

D. STRIPPER FILM: THE STRIPPER 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 BERRIDGE 24 GA. CORRUGATED SHEATHING (NOMINAL 2 1/2"
PITCH BY 11/16" DEPTH) 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.
(#30 FELT UNDERLAYMENT OR EQUAL MUST BE USED OVER ANY SOLID SHEATHING).

DUE TO #30 FELTS TENDENCY TO TEAR WHEN USED OVER CORRUGATED DECKING
BERRIDGE MANUFACTURING RECOMMENDS GRACE ICE AND WATERSHIELD OR EQUAL TO
BE USED AS AN UNDERLAYMENT FOR ALL CORRUGATED DECKS.

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 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 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: REFER TO LOAD TABLES ON PAGES DZI-6 AND
   DZI-7 FOR STRUCTURAL PROPERTIES AND ALLOWABLE LOAD SPANS OF THE BERRIDGE
   DOUBLE LOCK ZEE-LOCK PANEL.

DIAPHRAGM CAPABILITIES AND PURLING STABILITY ARE MINIMAL AS PROVIDED BY THE
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL SYSTEM, THEREFORE OTHER BRACING MAY
BE REQUIRED TO CONFORM TO AISI SPECIFICATIONS.
H. OPEN FRAMING INSPECTION:
1. PURLINS SHOULD BE ALIGNED WITH TOP FLANGES IN THE SAME PLANE TO A TOLERANCE OF 1/4" IN 20'-0". UNEVENNESS IN THE TOP PLANE OF THE PURLINS WILL RESULT IN ABNORMAL "OIL CANNING" PANELS. PURLINS SHALL BE ADEQUATELY BRACED.
2. BERRIDGE MANUFACTURING COMPANY RECOMMENDS SOLID SHEATHING IN VALLEY AND AROUND ROOF PENETRATIONS. DO NOT APPLY PANELS ON OPEN FRAMING AT VALLEYS OR ROOF PENETRATIONS WITHOUT REFERING TO DETAILS DZ-72, DZ-73, DZ-85 AND DZ-86.
3. FOOT TRAFFIC ON THE PANELS MUST BE KEPT TO A MINIMUM. ARCHITECTURAL PANEL ARE DESIGNED FOR AESTHETICS AND CAN BE EASILY DAMAGED OR DEFORMED IF EXTREME CARE IS NOT USED.

I. FASCIA/RAKE INSPECTION:
1. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIMS.
2. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.

J. FELT UNDERLAYMENT: A SINGLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT (OR EQUAL) MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERRIDGE MANUFACTURING COMPANY TYPICAL FELTING DETAILS. THE USE OF ADDITIONAL LAYERS OF NUMBER THIRTY FELT IS RECOMMENDED ON LOW SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED IN THE DOUBLE LOCK ZEE-LOCK TYPICAL DETAILS.
GRACE ICE AND WATERSHIELD 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 ROOFING NAILS 1 1/4" LONG WITH BERRIDGE GALVANIZED FELT CAPS.
4. INSTALL VALLEY FELT FIRST.
5. INSTALL FELT 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 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 GRACE ICE AND WATERSHIELD

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 CHART ON PAGE DZI-8 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

DATE: 10-24-06
INSTALLATION INSTRUCTIONS
PAGE FILE
DZI-2 DOUBLE LOCK ZEE-LOCK PANEL
Berridge Manufacturing Company
Roofs of Distinction
AND/OR CAUSE FLASHING TO WORK LOOSE FORM ITS ANCHORAGE.

PANELS OVER 30'-0" LONG REQUIRE EXPANSION CLIPS WHEN USED WITH CONTINUOUS ZEE-RIB. REFER TO DETAIL DZ-5.

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: TREMCO, INC. SPECTREM 1 SILICONE SEALANT. DO NOT USE CLEAR CAULK.

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 STRIPPIABLE 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 ZEE-LOCK PANELS. COMPUTATION OF ALL QUANTITIES AND DIMENSIONS ARE THE RESPONSIBILITY OF THE PURCHASER.

Q. PANEL INSTALLATION:

1. REMOVE STRIPPIABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.

2. START AT ONE GABLE END WITH THE FEMALE LEG OF THE PANEL AND WORK TOWARD THE OTHER GABLE.

3. INSTALL THE CONTINUOUS ZEE-RIB. ALONG THE LEADING MALE LEG OF EACH PANEL AS PER BERRIDGE TYPICAL DETAILS AND RIB INSTALLATION NOTES.

4. USE BERRIDGE SEAMER AT PANEL SIDE LAPS.

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

6. KEEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS. DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH. INSTALL TEN OR TWELVE PANELS IN ONE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION. WHEN YOU INSTALL PANELS IN THIS MANNER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.
7. COPPER-COTE™, CHAMPAGNE, LEAD-COTE™, AND PREWEATHERED GALVALUME® 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, FORM 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 ZEE-LOCK PANEL IS A MECHANICALLY SEAMED PANEL BY USE OF A BERRIDGE SEAMER MACHINE.

S. SEAMER INSTRUCTIONS:

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

2. HAND SEAM TERMINATING END OF SIDE LAP IF OBSTRUCTION PREVENTS SEAMING MACHINE FROM SEAMING SIDE LAP ALL THE WAY 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. CONTINUOUS ZEE-RIB:

1. INSTALL ZEE-RIB AS PER BERRIDGE TYPICAL ZEE-LOCK PANEL DETAILS.

2. THE ZEE-RIB IS TO RUN CONTINUOUS ALONG THE ENTIRE LENGTH OF THE PANELS. IF PANEL LENGTH IS OVER 30'-0" LONG OR EXPANSION AND CONTRACTION OF PANELS IS A DESIGN FACTOR, REFER TO DETAIL DZ-5.

*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 CLIP SPACING OR FASTENER.
U. FASTENERS: INSTALL FASTENERS AS PER TYPICAL DETAILS. USE #10 HEX HEAD ZINC PLATED FASTENERS WHEN FASTENING TO WOOD. USE #12 HEX HEAD ZINC PLATED FASTENERS WHEN FASTENING TO METAL. * 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.

V. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE ZEE-LOCK PANEL COMPLIES WITH UL TEST PROCEDURE NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES" CLASS UL 90 CONSTRUCTION NUMBER 312 REFER TO DETAILS DZ-90, AND DZ-91, DZ-92 AND DZ-93. CONSTRUCTION NUMBER 335 REFER TO DETAILS DZ-94 AND DZ-95, DZ-96, AND DZ-97,

REFER TO DETAILS DZ-100, DZ-101 AND Z-102.
FOR 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. FURTHERMORE, BERRIDGE UTILIZES HEAVIER 24 GAUGE METAL RATHER THAN 26 GAUGE STEEL OR LIGHT GAUGE ALUMINUM 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 ZEE-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 FASTENER SPACING TO MEET DESIGN CRITERIA, AND THE USE OF ANY OTHER TYPE OF FASTENER.
### SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.

<table>
<thead>
<tr>
<th>ZEE-LOCK PANEL</th>
<th>(d_{ik}(\text{in}^4/\text{ft}))</th>
<th>(M_{ik}(\text{Ft-lbs/ft}))</th>
<th>(V_{ik}(\text{lbs}))</th>
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<tr>
<td>POSITIVE BENDING</td>
<td>0.11779</td>
<td>132.35</td>
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<td>NEGATIVE BENDING</td>
<td>0.06645</td>
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Properties are effective and are per foot of panel coverage. Based on 1986 AISI Coldform Steel Design Manual, March 1987, and rational analysis. Design thickness = 0.0215 in.

### RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT
(PANEL WEIGHT = 1.3 PSF)

<table>
<thead>
<tr>
<th>SPAN (FEET)</th>
<th>NET VERTICAL LIVE LOAD</th>
<th>NET VERTICAL WIND UPLIFT</th>
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<tbody>
<tr>
<td></td>
<td>1-SPAN</td>
<td>2-SPAN</td>
</tr>
<tr>
<td>2'-0''</td>
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<td>70</td>
</tr>
<tr>
<td>2'-6''</td>
<td>35</td>
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<tr>
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</tr>
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</tr>
<tr>
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<td>40</td>
</tr>
<tr>
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<td>15</td>
<td>30</td>
</tr>
<tr>
<td>5'-0''</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6'-0''</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7'-0''</td>
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</tbody>
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**NOTES**

1. All loads meet L/240 deflection criteria unless otherwise noted.
2. Wind load allowables increased by 33 percent.
**SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.**

<table>
<thead>
<tr>
<th>ZEE-LOCK PANEL WITH CONTINUOUS 24-GAUGE ZEE-RIB</th>
<th>d_lx (ln^4/ft)</th>
<th>M_a (Ft-lbs/Ft)</th>
<th>V_a (Lbs)</th>
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<tr>
<td>POSITIVE BENDING</td>
<td>0.1525</td>
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<td>990</td>
</tr>
<tr>
<td>NEGATIVE BENDING</td>
<td>0.1030</td>
<td>161.33</td>
<td>990</td>
</tr>
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</table>

Properties are effective and are per foot of panel coverage. Based on 1986 AISI COLDFORM STEEL DESIGN MANUAL, MARCH 1987, AND RATIONAL ANALYSIS. Design thickness = 0.0215 in.

**RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT**

(PANEL WEIGHT = 1.3 PSF)

<table>
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<tr>
<th>SPAN (FEET)</th>
<th>NET VERTICAL LIVE LOAD</th>
<th>NET VERTICAL WIND UPLIFT</th>
</tr>
</thead>
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<td>1-Span</td>
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<td>2'-0&quot;</td>
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</tr>
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<td>4'-0&quot;</td>
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<td>60</td>
</tr>
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<td>25</td>
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</tr>
<tr>
<td>5'-0&quot;</td>
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<td>40</td>
</tr>
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<td>6'-0&quot;</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>7'-0&quot;</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

Notes:
1. All loads meet L/240 deflection criteria unless otherwise noted.
2. Wind load allowables increased by 33 percent.
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°F 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.
BERRIDGE ZEE-LOCK PANEL

BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB

FASTENERS; 2 AT EVERY PURLIN FOR OPEN FRAMING CONDITIONS 2 FASTENERS 36" O.C. MAX. FOR SOLID SHEATHING

CONTINUOUS ZEE-RIB

NOTE; THIS PANEL DOES NOT USE VINYL WEATHERSEAL

OVERVIEW
CONTINUOUS ZEE-RIB

DATE: 10-24-06

DOUBLE LOCK ZEE-LOCK PANEL

PAGE/FILE
DZ-4
NO. 12 HEX HEAD FASTENERS
ATTACH THROUGH SUPPORT
CLIPS ONLY

TOP SUPPORT CLIP

1 1/2"

ZEE RIB (20'-0" LONG)

2"

ZEE RIB (20'-0" LONG)

BOTTOM SUPPORT CLIP

PURLIN OR HIGH RIBS OF METAL DECK
TOP OF SOLID SHEATHING OR
RIGID INSULATION

NOT TO SCALE
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS ZEE-RIB WITH 2 FASTENERS AT EVERY PURLIN

# 30 FELT UNDERLAYMENT
CONTINUOUS ZEE PURLIN

INSULATING MATERIAL
CORRUGATED METAL DECK
STRUCTURAL MEMBER

SEE PURLIN DETAIL BELOW

SEE NOTE NO. 3

1. ALL FELT UNDERLAYMENT, STRUCTURAL MEMBERS, CORRUGATED DECK, AND INSULATING MATERIAL, ARE ITEMS TO BE FURNISHED AND INSTALLED BY OTHERS AT THE DISCRETION OF THE ARCHITECT.

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

3. PURLIN SPACING AND FASTENER TYPE WILL BE DEPENDENT ON GOVERNING CODE AND SPECIFICATION REQUIREMENTS.

ZEE PURLIN, MINIMUM 24 GAUGE STEEL, DEPTH DETERMINED BY INSULATION DEPTH AND LEGS DETERMINED BY PITCH OF METAL DECK

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

2. CONSULT BERRIDGE MANUFACTURING FOR FASTENER SPACING.
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH 2 FASTENERS AT EVERY PURLIN

FIELD CUT SEAM AND FORM PAN AROUND EAVE FLASHING

GAP; SEE NOTE 1 BELOW

1/2" MAXIMUM EXPANSION OF PANEL + 1/2"

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

BERRIDGE WALL PANEL OR FASCIA 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 PANEL PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART, PAGE DZI-8.

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

3. SEE ALSO EXPANSION JOINT DETAIL DZ-5.

F = FINISH SIDE

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

EAVE FLASHING
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH 2 FASTENERS
36" O.C.

FIELD CUT SEAM AND
FORM PAN AROUND
EAVE FLASHING

GAP; SEE NOTE 1
BELOW

# 30 FELT UNDERLAYMENT

FASTENER; 20" O.C. MAX.

MAXIMUM EXPANSION OF
PANEL + 1/2"

SOLID SHEATHING

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

1. THE "GAP" BETWEEN EAVE FLASHING AND PANEL (SEE DETAIL ABOVE) CAN BE INCREASED TO ALLOW FOR LINEAR EXPANSION AND CONTRACTION OF PANELS. NOTE 1/2" OF PAN MUST BE ENGAGED WITH EAVE FLASHING WHEN PANEL HAS EXPANDED TO ITS MAXIMUM LENGTH REFER TO NOMINAL LINEAR EXPANSION CHART PAGE DZ1-8.

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

3. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

4. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

5. SEE ALSO EXPANSION JOINT DETAIL DZ-5.

DATE: 10-24-06

EAVE DETAIL
PANEL TURNDOWN; SOLID SUBSTRATE

Berridge Manufacturing Company

DOUBLE LOCK ZEE-LOCK PANEL

F = FINISH SIDE

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

EAVE FLASHING
RIDGE/HIP CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS. POP RIVET TO ZEE CLOSURE 40" O.C.

FASTENERS; 2 PER ZEE CLOSURE, MINIMUM
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

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

CONTINUOUS SUB-FLASHING
CONTINUOUS ZEE-RIB WITH 2 FASTENERS AT EVERY PURLIN

ZEE CLOSURE CUT TO FIT BETWEEN SEAMS. USE DZ-23 AT RIDGE
FASTENERS; 20" O.C. MAX.
PURLINS

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS AT HIPS. SEE DETAIL DZ-23 FOR RIDGE.

2. ALL CAULKING AND FASTENERS ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

OPEN HEMS
RIDGE/HIP CAP

F = FINISH SIDE

SUB-FLASHING
ZEE CLOSURE

F
1 1/8
CONTINUOUS ZEE-РИB WITH 2 FASTENERS 36" O.C.

BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

RIDING/HP CAP; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 40" O.C.

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

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

FASTENERS; 2 PER ZEE CLOSURE MINIMUM

#30 FELT UNDERLayment SOLID SHEATHING

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS AT HIPS. SEE DETAIL DZ-23 FOR RIDGE.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

F = FINISH SIDE

DATE: 10-24-06

RIDGE/HP DETAIL SOLID SUBSTRATE

Berridge Manufacturing Company

DOUBLE LOCK ZEE-LOCK PANEL
RIDGE CAP: 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 40" O.C. MAX.

CONTINUOUS ZEE-rib WITH 2 FASTENERS 36" O.C.

ZEE CLOSURE: SEE DETAIL DZ-23

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

FASTENERS; MIN. 2 PER ZEE CLOSURE
SOLID SHEATHING

BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

# 30 FELT UNDERLAYMENT LAP OVER RIDGE

FASTENERS; 40" O.C. CAULK FASTENER HEAD

1. SEE DETAIL DZ-23 FOR ZEE CLOSURE AT RIDGE.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

F = FINISH SIDE

SHED ROOF RIDGE CAP SOLID SUBSTRATE

DATE: 10-24-06

DOUBLE LOCK ZEE-LOCK PANEL

DZ-22
1. ZEE CLOSURE IS DIE FORMED TO FIT PERPENDICULARLY BETWEEN PANEL SEAMS.
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

CONTINUOUS ZEE-RIB WITH 2 FASTENERS 36" O.C.

VALLEY FLASHING; 12" LAPS WITH CONTINUOUS CAULK AT LAPS

# 30 FELT UNDERLAYMENT

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

SOLID SHEATHING

PLAN VIEW

MAIN ROOF PANELS

RIDGE FLASHING

VALLEY FLASHING

DORMER PANEL

RIDGE TERMINATION AT DORMER VALLEY

DATE: 10-24-06

Berridge Manufacturing Company

DOUBLE LOCK ZEE-LOCK PANEL

PAGE\FILE

DZ-24
1. Field cut and form last panel around drip flashing. Panel must be continuous from ridge to eave.

2. Solid sheathing (by others) to be minimum 1/2" plywood or equivalent in strength for holding power of fasteners.

3. All felt underlayment, caulking, and fasteners, are items to be furnished and installed by the roofing installer at the discretion of the architect.

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Berridge Manufacturing Company

GABLE DETAIL
PANEL TURNDOWN
SOLID SUBSTRATE

DATE: 10-24-06
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DOUBLE LOCK ZEE-LOCK PANEL
DZ-30
1. Field cut and form last panel around drip flashing. Panel must be continuous from ridge to eave.
1. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

2. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
1. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

2. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLED AT THE DISCRETION OF THE ARCHITECT.
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB WITH 2 FASTENERS
36" O.C.

CONTINUOUS BEAD OF CAULK

J-CLIP; 4" END LAPS
WITH CONTINUOUS CAULK AT LAPS
1/2"

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

NOTE: PLACE A SMALL AMOUNT OF
CAULK AT J-CLIP FASTENER LOCATION,
DRIVE FASTENER THROUGH CAULK,
THEN CAULK FASTENER HEAD.

1. FIELD CUT LAST PANEL AND SLIP INTO J-CLIP. PANEL MUST BE CONTINUOUS FROM
RIDGE TO EAVE WHEN USING THIS DETAIL.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN
STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYERMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED
AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

GABLE DETAIL
J-CLIP; SOLID SUBSTRATE

DATE: 10-24-06
PAGE\FILE
DZ-34
1. Field cut and form last panel around gable flashing panel must be continuous from ridge to eave.

2. Solid sheathing (by others) to be minimum 1/2" plywood or equivalent in strength for holding power of fasteners.

3. All felt underlayment, caulking, and fasteners, are items to be furnished and installed by the roofing installer at the discretion of the architect.

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**GABLE DETAIL**

**BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL**

**CONTINUOUS ZEE-RIB WITH 2 FASTENERS 36" O.C.**

**FIELD CUT LAST PANEL AND FORM AROUND DRAIN FLASHING (PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE)**

**CONTINUOUS BEAD OF CAULK FASTENERS; MIN. 3 PER ZEE CLOSURE**

**GABLE FLASHING; POP RIVET TO ZEE CLOSURE 40" O.C. MAX. WITH 4" END LAPS WITH CONTINUOUS CAULK AT LAPS.**

**SPECIAL ZEE CLOSURE; CUT TO FIT BETWEEN SEAMS**

**BERRIDGE ZEE-LOCK PANEL**

**# 30 FELT UNDERLAYMENT**

**SOLID SHEATHING**

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**F = FINISH SIDE**

**OPEN HEM**

**GABLE FLASHING**

**SPECIAL ZEE CLOSURE**

**# 30 FELT UNDERLAYMENT**

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

**TOP LAYER OF FELT TO BE PARALLEL WITH ROOF SLOPE**

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PAGE/File DZ-35

BERRIDGE Manufacturing Company

Roofs of Distinction
1. FIELD CUT LAST PANEL AND SLIP INTO J-CLIP. PANEL MUST BE CONTINUOUS FROM RIDGE TO EAVE.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
1. Field cut Zee closure to fit between panel seams if panel seams are not perpendicular to wall.

2. Solid sheathing (by others) to be minimum 1/2" plywood or equivalent in strength for holding power of fasteners.

3. All felt underlayment, caulking, and fasteners, are items to be furnished and installed by the roofing installer at the discretion of the architect.
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS IF PANEL SEAMS ARE NOT PERPENDICULAR TO WALL.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL CAULKING AND FASTENERS ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
1. FIELD CUT AND FORM LAST PANEL. PANEL TO BE CONTINUOUS FROM RIDGE TO EAVE. SEE DETAIL DZ-54 FOR CONDITION AT EAVE.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRESION OF THE ARCHITECT.
CONTINUOUS CAULK AT REGLET
COUNTERFLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS
CONTINUOUS ZEE–RIB WITH 2 FASTENERS 36" O.C.
BERRIDGE DOUBLE LOCK ZEE–LOCK PANEL
TOP LAYER OF FELT TO BE PARALLEL WITH ROOF SLOPE
SUB–FLASHING; 4" END LAPS WITH CONTINUOUS CAULK AT LAPS

1. FIELD CUT LAST PANEL AND FORM NEW LEG. PANEL TO BE CONTINUOUS FROM RIDGE TO EAVE.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

RAKE WALL DETAIL
REGLET SOLID SUBSTRATE
DOUBLE LOCK ZEE–LOCK PANEL
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS ZEE-RIB WITH 2 FASTENERS 36" O.C.

FIELD NOTCH PANEL SEAM
EAVE FLASHING; 4" END
LAPS WITH CONTINUOUS
CAULK AT LAPS, POP RIVET
TO ZEE CLOSURE 40" O.C.

CONTINUOUS BEAD OF
CAULK BETWEEN ZEE
CLOSURE AND ZEE-LOCK
PANEL
SPECIAL ZEE CLOSURE
CONTINUOUS ZEE-RIB WITH
VINYL WEATHERSEAL

NOTE; DOUBLE LOCK IS NOT USED ON WALL

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN SEAMS.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN
   STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED
   AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

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

OPEN HEM
EAVE FLASHING
SPECIAL ZEE CLOSURE

F = FINISH SIDE

ROOF TO FASCIA TRANSITION
COUNTER FLASHING
SOLID SUBSTRATE
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS ZEE-RIB WITH 2 FASTENERS 36” O.C.

CONTINUOUS CLEAT
CUT BACK PANEL LEG AND FIELD FORM PANEL PAN TO ENGAGE CONTINUOUS CLEAT
1:12 MIN. SLOPE AWAY FROM PANEL HOOK
TRANSITION FLASHING; 4” END LAPS WITH CONTINUOUS CAULK AT LAPS.
POP RIVET TO ZEE CLOSURE 40” O.C.

ZEE CLOSURE; REFER TO DETAIL DZ–23
CAULK RIVET HEADS
SUB-FLASHING; 4” END LAPS WITH CONTINUOUS CAULK AT LAPS.

NOTE: PLACE A SMALL AMOUNT OF CAULK AT CLEAT FASTENER LOCATION, DRIVE FASTENER, THEN CAULK FASTENER HEAD.
DO NOT: RUN A CONTINUOUS BEAD OF CAULK ON CLEAT OR UNDER CLEAT

1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN SEAMS. IF PANEL SEAMS ARE NOT PERPENDICULAR.

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2” PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

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PAGE/FILE DZ-61

SLOPE TRANSITION DETAIL SOLID SUBSTRATE

BERRIDGE Manufacturing Company
Roofs of Distinction
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS ZEE-RIB WITH 2 FASTENERS 36” O.C.
DO NOT USE FASTENERS IN VALLEY FLASHING.

CONTINUOUS CLEAT; WITH FASTENERS 20” O.C. MAX.

CONTINUOUS BEAD OF CAULK BETWEEN VALLEY FLASHING AND FELT UNDERLAYMENT
VALLEY FLASHING
SOLID SHEATHING

SEE DETAIL DZ-71 FOR VALLEY FLASHING LAPPING

1. FOR EXPANSION AND CONTRACTION OF PANELS, SEE DZI-8 AND DZ-11.
2. SOLID SHEATHING (BY OTHERS) TO BE A MINIMUM OF 1/2” PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

CUT PANEL SEAM BACK, TURN PANEL PAN UNDER AND HOOK PANEL PAN ONTO VALLEY FLASHING.

F = FINISH SIDE

VALLEY FLASHING
CONTINUOUS CLEAT

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DZ-70
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL

CONTINUOUS ZEE-RIB
DO NOT RUN RIB FASTENERS THRU VALLEY FLASHING START FIRST FASTENER BEHIND VALLEY FLASHING
CONTINUOUS CLEAT

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

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

SOLID SHEATHING
VALLEY FLASHING
# 30 FELT UNDERLAYERMENT

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

12" LAP

2 CONTINUOUS BEADS OF CAULK AT LAPS
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS 2” ZEE-RIB
CONTINUOUS CLEAT; WITH FASTENERS 20” O.C. MAX.

VALLEY FLASHING
BERRIDGE CORRUGATED S-DECK
FLAT SHEET VALLEY SUB-FLASHING

GRACE ICE AND WATER SHIELD
FIELD CUT PANEL SEAM AND FORM PANEL PAN AROUND CLEAT OF VALLEY FLASHING, DO NOT RUN CAULK IN OR UNDER CLEAT OF VALLEY FLASHING.

* FLASHING PROFILES AND NOTES, SEE DETAIL DZ-70 AND DZ-71

GRACE ICE AND WATER SHIELD
RUN RIDGE TO EAVE

FLAT SHEET VALLEY SUB-FLASHING
RUN RIDGE TO EAVE

BERRIDGE CORRUGATED S-DECK

USE 2” ZEE-RIB AS PER DETAIL DZ-90, DZ-91

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

VALLEY DETAIL
OPEN FRAMING; 2” ZEE-RIB

DZ-72
BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL
CONTINUOUS 2” ZEE-RIB
CONTINUOUS CLEAT; WITH FASTENERS 20” O.C. MAX.

VALLEY FLASHING
BERRIDGE CORRUGATED S-DECK

GRACE ICE AND WATER SHIELD
FIELD CUT PANEL SEAM AND FORM PANEL PAN AROUND CLEAT OF VALLEY FLASHING, DO NOT RUN CAULK IN OR UNDER CLEAT OF VALLEY FLASHING.

* FLAShING PROFILES AND NOTES, SEE DETAIL Z-70 AND Z-71

GRACE ICE AND WATER SHIELD
ALLOW TO SAG INTO CORRUGATIONS OF S-DECK.
RUN RIDGE TO EAVE

BERRIDGE CORRUGATED S-DECK PLACED ON TOP OF PURLINS

THIS AREA USE THE 3” ZEE-RIB AS PER DETAIL DZ-92, DZ-93.

THIS AREA OVER CORRUGATED DECK USE 2” ZEE-RIB AS PER DETAIL DZ-90, DZ-91.

NOTE: LAP 2” ZEE-RIB INTO 3” ZEE-RIB (3” LAP)

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PAGE\FILE
DZ-73

Berridge Manufacturing Company

ROOFS WITH A SLOPE OF 4:12 OR LESS 6’-0” MIN.
ROOFS ABOVE 4:12 3’-0” MIN.

VALLEY DETAIL
OPEN FRAMING; 3” ZEE-RIB WITH THERMAL BLOCKS AND VINYL FACED INSULATION
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.
CONTINUOUS CLEAT
ANGLE FLASHING
BERRIDGE DOUBLE
LOCK ZEE-LOCK
PANEL SEAM
BERRIDGE DOUBLE
LOCK ZEE-LOCK
PANEL; FIELD
BEND TO CURB
CONTINUOUS CLEAT
ZEE CLOSURE
SEE DETAIL BELOW
COUNTERFLASHING

DO NOT: RUN CAULK ON OR
UNDER CONTINUOUS CLEAT

UPPER ZEE-LOCK PANEL; FIELD BEND
TO CURB
ANGLE FLASHING
LOWER ZEE-LOCK PANEL; FIELD BEND
TO CURB
ROOF CURB
ZEE CLOSURE; CUT 2" OFF
HORIZONTAL LEGS, BEND VERTICAL
LEG AND SLIP BETWEEN ZEE-LOCK
PANELS, CAULK BETWEEN ZEE CLOSURE,
COUNTERFLASHING AND PANEL
COUNTERFLASHING; EXTEND
1/4" BEYOND ZEE CLOSURE
(FLASHING CUT AWAY FOR CLARITY)
1/4"

DATE: 10-24-06
OPEN FRAMING AND SOLID SUBSTRATE
SQUARE PENETRATION
PLAN VIEW
Berridge Manufacturing
Company
DZ-81
DOUBLE LOCK ZEE-LOCK PANEL
Roofs of Distinction
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN THE ZEE-LOCK PANEL IS USED OVER OPEN FRAMING (SEE DETAILS DZ-85 AND DZ-86).

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS. (24 GA. METAL CORRUGATED SHEATHING MAY BE USED IN LIEU OF PLYWOOD).

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
1. SOLID SHEATHING IS REQUIRED AT THIS CONDITION WHEN THE ZEE-LOCK PANEL IS USED OVER OPEN FRAMING (SEE DETAILS DZ-85 AND DZ-86).

2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS. (METAL CORRUGATED SHEATHING, MIN. 24 GA. MAY BE USED IN LIEU OF PLYWOOD).

3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.
DO NOT: RUN CONTINUOUS CAULK ON OR UNDER CONTINUOUS CLEAT

CONTINUOUS CLEAT

FLASHERING

HEM PANEL PAN UNDER BOTH SIDES OF PENETRATION

BERRIDGE DOUBLE LOCK ZEE-LOCK PANEL FIELD BEND TO CURB

SEE DETAIL BELOW

ZEE CLOSURE; CUT AND BEND AT END AND CAULK

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

ANGLE FLASHING

UPPER PANEL

LOWER PANEL

CONTINUOUS CLEAT

CONTINUOUS BEAD OF CAULK BETWEEN ZEE CLOSURE AND PANEL

Berridge Manufacturing Company

SQUARE PENETRATION ISOMETRIC OPEN FRAMING AND SOLID SUBSTRATE

DOUBLE LOCK ZEE-LOCK PANEL DZ-84
For roof penetrations larger than 4” in dia.

1'-0” minimum carry up to next purlin

Grace ice and water shield run continuous to eave

Flat sheet sub-flashing run continuous to eave

Berridge corrugated S-deck

Eave

See section

Use 2” Zee-rib as per detail DZ-90, DZ-91

Flat sheet valley flashing

Grace ice and water shield

16 ga. hat section size to fit over purlin and to accommodate the depth of the Berridge corrugated S-deck.

16 ga. hat section

Purlin

Berridge corrugated S-deck

Section
FOR ROOF PENETRATIONS LARGER THAN 4" IN DIA.

GRACE ICE AND WATER SHIELD; ALLOW TO SAG INTO CORRUGATIONS OF BERRIDGE S-DECK RUN CONTINUOUS TO EAVE

CARRY UP TO NEXT PURLIN

SQUARE OR ROUND PENETRATION

BERRIDGE CORRUGATED S-DECK ON TOP OF PURLINS

NOTE: LAP 2" ZEE-RIB INTO 3" ZEE-RIB (3" LAP)

USE 3" ZEE-RIB AS PER DETAIL DZ-92, DZ-93.

USE 2" ZEE-RIB AS PER DETAIL DZ-90, DZ-91.*

USE 3" ZEE-RIB AS PER DETAIL DZ-92, DZ-93.

*USE SHIMS TO KEEP THE ZEE-RIB FROM FALLING INTO THE VALLEYS OF THE CORRUGATED DECK.

BERRIDGE CORRUGATED S-DECK
GRACE ICE AND WATER SHIELD

PURLIN
VF BLANKET INSULATION

SECTION
1. METAL ROOF DECK PANELS* - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPS TO INCLUDE "ROOF DECK FASTENERS" (ITEM 2) USING AN ELECTRIC SEAMING TOOL. BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. ROOF DECK FASTENERS* - (PANEL CLIPS) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. CLIP LOCATED AT EACH PANEL SIDE LAP WITH CLIP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) BERRIDGE MANUFACTURING CO. - "ZEE-CLIP RIB" (2" ZEE-RIB)

3. FASTENERS (SCREWS) - FOR ATTACHING "ZEE-CLIP RIB" (ITEM 2) TO PURLINS. USE NO. 12 x 1 IN. SELF-DRILLING, SELF-TAPPING STEEL SCREWS. TWO FASTENERS AT EACH PURLIN LOCATION.

4. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

5. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY) FOR ITEMS NOT EVALUATED.

* BEARING THE UL CLASSIFICATION MARKING.
1. METAL ROOF DECK PANELS * - NO. 24 MSG MINIMUM THICKNESS COATED STEEL, 16 IN. WIDE, 2 IN. HIGH. PANELS CONTINUOUS OVER TWO OR MORE SPANS WITHOUT END LAPS. ADJACENT PANELS ARE SEAMED TOGETHER ALONG SIDE LAPs TO INCLUDE "ROOF DECK FASTENERS" (ITEM 2) USING AN ELECTRIC SEAMING TOOL.
BERRIDGE MANUFACTURING CO. - "ZEE-LOCK PANEL"

2. ROOF DECK FASTENERS * - (PANEL CLIPS) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. CLIP LOCATED AT EACH PANEL SIDE LAP WITH CLIP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1)
BERRIDGE MANUFACTURING CO. - "ZEE-CLIP RIB" (2" ZEE-RIB)

3. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS) * - ONE PIECE ASSEMBLY FABRICATED FROM 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (3" ZEE-RIB)

3. FASTENERS (SCREWS) - FOR ATTACHING "ZEE-RIB" (ITEM 2) TO PURLINS. USE NO. 12 x 1 IN. SELF-DRILLING, SELF-TAPPING STEEL SCREWS. TWO FASTENERS AT EACH PURLIN LOCATION.

4. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

5. THERMAL BLOCK - 3" BY 16" BY 1" EXTRUDED POLYSTYRENE. (OPTIONAL)

6. INSULATION - (NOT SHOWN) 6 IN. VINYL FACED COMRESSIBLE INSULATION. REFER TO DETAIL Z-93.

7. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS) * - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (3' ZEE-RIB)

3. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING.

4. THERMAL BLOCK - 3" BY 16" BY 1" EXTRUDED POLYSTYRENE. (OPTIONAL)

5. INSULATION - 6 IN. VINYL FACED COMPRESSIBLE INSULATION.

6. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS) * - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)

3. FASTENERS (SCREWS) -
   A. FOR ATTACHING "ZEE-RIB" (ITEM 2) TO PURLINS. USE NO. 12 SELF-DRILLING, SELF-TAPPING STEEL SCREWS. ONE FASTENER AT EACH PURLIN LOCATION.
   B. ALTERNATE IF ATTACHING TO DECK ONLY USE ONE NO. 12 @ 24" O.C.

4. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

5. INSULATION - 4" RIGID INSULATION BOARD.

6. BERRIDGE S-DECK METAL STRUCTURAL SHEATHING - NO. 24 MSG STEEL (MIN. YIELD STRENGTH 40,000 PSI), CORRUGATED DECK.

7. # 30 FELT UNDERLAYMENT.

8. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS)* - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)

3. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING.

4. INSULATION - 4" RIGID INSULATION BOARD.

5. BERRIDGE S-DECK METAL STRUCTURAL SHEATHING - NO. 24 MSG STEEL (MIN. YIELD STRENGTH 40,000 PSI), CORRUGATED DECK.

6. # 30 FELT UNDERLAYMENT.

7. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS) * - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL. (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM 1) (2" ZEE-RIB)

3. FASTENERS (SCREWS) - FOR ATTACHING "ZEE-RIB" (ITEM 2) TO S-DECK (ITEM 6). USE NO. 12 SELF-DRILLING, SELF-TAPPING STEEL SCREWS. ONE FASTENER AT 24" O.C.

4. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

5. INSULATION - 4" Rigid Insulation Board.

6. BERRIDGE S-DECK METAL STRUCTURAL SHEATHING - NO. 24 MSG STEEL (MIN. YIELD STRENGTH 40,000 PSI), CORRUGATED DECK.

7. # 30 FELT UNDERLAYMENT.

8. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

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

2. BERRIDGE ZEE-RIB (CONTINUOUS) * - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG COATED STEEL, (MIN. YIELD STRENGTH 40,000 PSI) ZEE-RIB LOCATED AT EACH PANEL SIDE LAP BEING CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS". (ITEM 1) (2" ZEE-RIB)

3. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 5'-0" MAXIMUM SPACING. BERRIDGE MANUFACTURING "CEE" OR "ZEE" PURLINS.

4. INSULATION - 4" RIGID INSULATION BOARD.

5. BERRIDGE S-DECK METAL STRUCTURAL SHEATHING - NO. 24 MSG STEEL (MIN. YIELD STRENGTH 40,000 PSI), CORRUGATED DECK.

6. # 30 FELT UNDERLAYMENT.

7. LATERAL BRACING - (NOT SHOWN) REFER TO "GENERAL INFORMATION, ROOF DECK CONSTRUCTION" (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

* BEARING THE UL CLASSIFICATION MARKING.
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 A POSITIVE ATTACHMENT, MUST BE ATTACHED TO THE STEEL DECK. (IF
THE INSULATION SYSTEM HAS NO NAILABLE SURFACE).

2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE-RESISTANT ROOF ASSEMBLIES:
UL DESIGN NO. P224, P225, P230, P237, P508, P510, 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 DOUBLE LOCK
ZEE-LOCK PANEL

#12 TEK SCREW, ONE
AT EVERY JOIST

BERRIDGE CONTINUOUS ZEE-RIB

# 30 FELT UNDERLAYMENT

MINERAL OR FIBER BOARD INSULATION

STEEL ROOF DECK

GYPSUM WALLBOARD

C-SHAPED STEEL JOIST 5'-0" O.C. MAX.

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 A POSITIVE ATTACHMENT, MUST BE ATTACHED TO THE STEEL DECK. (IF
THE INSULATION SYSTEM HAS NO NAILABLE SURFACE).

2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE-RESISTANT ROOF
ASSEMBLIES: UL DESIGN NO. P512.

3. ADDITIONAL INFORMATION REGARDING THIS ASSEMBLY IS AVAILABLE IN THE UL FIRE
RESISTANCE DIRECTORY.
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 a positive attachment, must be attached to the steel deck. (If the insulation system has no nailable surface).

2. This assembly qualifies for the following UL Fire-Resistant Roof Assemblies: UL Design No. P701, P711, and P803, using sprayed on fiber in lieu of cementious mixture.

3. Additional information regarding this assembly is available in the UL Fire Resistance Directory.