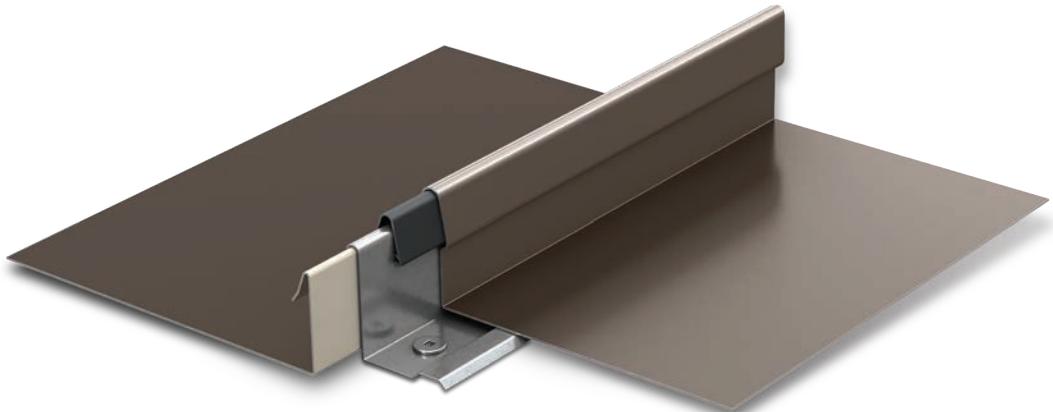


CEE-LOCK PANEL INSTALLATION DETAILS



BERRIDGE
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Roofs of Distinction

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CEE-LOCK PANEL



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A. BERRIDGE CEE-LOCK PANEL: IS AVAILABLE WITH A FIXED PAN WIDTH OF 16 1/2" WITH A SEAM HEIGHT OF 1 1/2". CEE-LOCK IS FACTORY FABRICATED AND/OR FIELD FABRICATED USING THE BERRIDGE CL-21 PORTABLE ROLL FORMER.

WHEN SPECIFYING COIL FOR FIELD-FORMED PANELS, ORDER 20 7/8" WIDE COIL TO FORM THE 16 1/2" COVERAGE PANEL WITH 1 1/2" HIGH LEG. PLEASE CONTACT BERRIDGE MANUFACTURING COMPANY FOR FURTHER INFORMATION REGARDING THE BERRIDGE CL-21 PORTABLE ROLL FORMER.

B. MINIMUM SLOPE: THE CEE-LOCK PANEL IS RECOMMENDED FOR ROOF SLOPES OF 1 ON 12 AND GREATER. IN HEAVY SNOW AREAS OR WHERE NUMEROUS FREEZE-THAW CYCLES ARE PREVALENT THROUGHOUT THE WINTER, A MINIMUM ROOF SLOPE OF 2 ON 12 IS RECOMMENDED. BERRIDGE MANUFACTURING COMPANY RECOMMENDS THE USE OF THE VINYL WEATHERSEAL (US PATENT NO. 4,641,475) FOR ALL OPEN FRAME APPLICATIONS.

A DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLayment OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.

C. MATERIAL STORAGE: CAUTION MUST BE EXERCISED IN STORAGE OF MATERIALS 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.

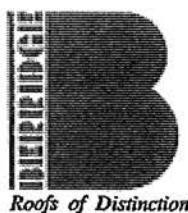
E. SOLID SHEATHING REQUIREMENTS: BERRIDGE MANUFACTURING COMPANY RECOMMENDS THE USE OF EITHER BERRIDGE 24 GA. CORRUGATED SHEATHING (NOMINAL 2 1/2" PITCH x 11/16" DEPTH) OR A MINIMUM OF 1/2" PLYWOOD SHEATHING TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS. CONTACT BERRIDGE MANUFACTURING'S ENGINEERING 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 OR "H" CLIPS SHOULD BE USED IF JOISTS 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 PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".



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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:

CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT.

H. 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.

I. FELT UNDERLayment: A MINIMUM SINGLE LAYER OF # 30 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 # 30 FELT IS RECOMMENDED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DEPICTED IN THE CEE-LOCK PANEL TYPICAL DETAILS. (THE UNDERLayment MUST COVER THE ENTIRE ROOF DECKED SURFACE). GRACE ICE AND WATER SHIELD MAY BE REQUIRED ON LOW SLOPED ROOFS OR AT CERTAIN FLASHING CONDITIONS.
VERIFY CORRECT METHOD OF INSTALLING ICE AND WATERSHIELD WITH WATERSHIELD MANUFACTURE

J. FELTING INSTALLATION:

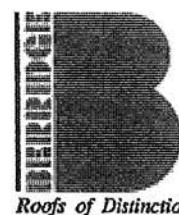
1. DO NOT USE RED ROSIN PAPER UNDER METAL ROOFING PANELS.
2. SWEEP ROOF AREA CLEAN.
3. USE FLAT HEAD GALVANIZED ROOFING NAILS x 1 1/4" LONG WITH BERRIDGE GALVANIZED FELT CAPS.

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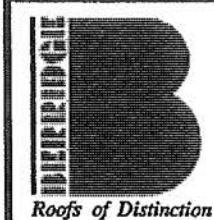
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4. INSTALL VALLEY FELT FIRST.
 5. INSTALL FELT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EAVE), STARTING AT EAVE AND USING MINIMUM 6" LAPS. USE TWO LAYERS OF FELT ON ENTIRE ROOF DECK IF ROOF SLOPE IS 3 ON 12 OR LESS. 2 LAYERS OF FELT REQUIRED AT EAVE REGARDLESS OF SLOPE.
 6. REFER TO BERRIDGE UNDERLayment DETAILS.
 7. INSULATE BETWEEN WOOD BLOCKING AND METAL WITH FELT OR ICE AND WATERSHIELD.
- K. THERMAL MOVEMENT: EXPANSION AND CONTRACTION OF METAL PANELS WHICH EXCEED THIRTY FEET IN LENGTH CAN BE A FACTOR IN THE DESIGN AND INSTALLATION OF FLASHINGS. PLEASE REFER TO THE CHART ON PAGE CI-7 TO DETERMINE ANTICIPATED THERMAL MOVEMENT OF THE PANELS. IMPROPERLY DESIGNED FLASHING CAN ALLOW PANELS TO DISENGAGE FROM THE FLASHINGS, ALLOW "OIL-CANNING" IN THE PANEL AND/OR CAUSE FLASHING TO WORK LOOSE FROM ITS ANCHORAGE. REFER TO PAGE C-5 FOR THERMAL EXPANSION CLIP DETAILS.
- L. ELECTROLYSIS: AVOID ALLOWING FLASHING AND PANELS TO COME INTO CONTACT WITH EITHER LEAD OR COPPER, AND PREVENT EXPOSURE TO WATER RUNDOWN FROM COPPER AND/OR LEAD.
- M. FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE END CUTS ONLY. THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE OF ANGLES.
- N. 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.
- O. PANELS: BERRIDGE MANUFACTURING COMPANY WILL PROVIDE SQUARE END CUTS ONLY ON ALL CEE-LOCK PANELS. COMPUTATION OF ALL QUANTITIES AND DIMENSIONS ARE THE RESPONSIBILITY OF THE PURCHASER.
- P. PANEL INSTALLATION:
1. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR TO INSTALLATION.
 2. START PANEL INSTALLATION AT GABLE END OF THE ROOF, WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. AT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.
 3. BEGIN BY INSTALLING J-CLIP AND/OR DRIP FLASHING AT GABLE THEN PLACING FIRST CEE-LOCK CONTINUOUS LENGTH PANEL.



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4. INSTALL CEE-LOCK CLIPS OR CONTINUOUS CEE-RIB AS PER BERRIDGE TYPICAL DETAILS AND CEE-LOCK CONTINUOUS RIB/CLIP INSTALLATION NOTES.
5. IF OPTIONAL VINYL WEATHERSEAL (US PATENT 4,641,475) IS TO BE USED, THIS WILL BE EITHER FACTORY INSTALLED OR INSTALLED IN THE FIELD AS THE CEE-LOCK PANEL EXITS FROM THE CL-21 PORTABLE ROLL FORMER.
6. INSTALL PANELS BY PLACING THE FEMALE LEG OVER THE MALE LEG AND CONTINUOUS CEE-RIB OR CLIP AND SNAPPING THE INTEGRAL SEAM INTO PLACE WITH HAND PRESSURE. (ALTERNATIVE METHOD TO SNAP SEAMS TOGETHER IS TO PLACE A 2x4 PIECE OF LUMBER OVER THE CEE-LOCK PANEL SEAM AND STRIKE IT WITH A MALLET TO LOCK THE PANEL TOGETHER) DO NOT USE EXCESSIVE FORCE OR FOOT PRESSURE DO NOT KICK, STOMP OR DIRECTLY HAMMER TO ENGAGE THE PANEL SIDE LAP, AS THIS WILL SCRATCH OR DENT THE PANEL, DAMAGE THE PANEL RIB / CLIP AND CAUSE DEFORMATION TO THE VINYL WEATHERSEAL.
7. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS.
8. 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.
9. COPPER-COTE™ CHAMPAGNE, LEAD-COTE™ AND PREWEATHER 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 FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR OF THE PIGMENTS IN THE FINISH. METALLIC FINISHES ARE MATCH - LOT FINISHES. DO NOT MIX LOTS.

Q. CEE-LOCK CLIP INSTALLATION:

1. INSTALL CLIPS AT PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS.
2. CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER.*

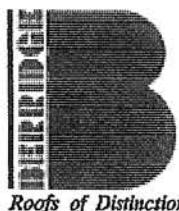
R. CONTINUOUS CEE-RIB:

1. INSTALL CEE-RIB AS PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS.
2. THE CEE-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 CL-4.

S. FASTENERS: INSTALL FASTENERS AS PER TYPICAL DETAILS. USE #10 HEX HEAD ZINC PLATED FASTENERS WHEN FASTENING TO WOOD. OR 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.

*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.

**CONSULT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT REGARDING FASTENER SPACING TO MEET DESIGN CRITERIA, AND THE USE OF ANY OTHER TYPE OF FASTENER.

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T. UNDERWRITERS LABORATORIES RATINGS: THE BERRIDGE CEE-LOCK STANDING SEAM ROOF PANEL COMPLIES WITH THE FOLLOWING UL RATINGS:

1. NO. 580 "TEST FOR WIND UPLIFT RESISTANCE OF ROOF ASSEMBLIES" CLASS UL 90 CONSTRUCTION NUMBERS 381, AND 404. (REFER TO BERRIDGE TYPICAL DETAILS CL-93 THROUGH CL-96)
2. UL FIRE RESISTANT ROOF ASSEMBLIES: UL DESIGN NUMBERS P-224, 225, 227, 230, 237, 508, 510, 512, 701, 711, 713, 715, 717, 803, 814, 815, 819, AND 821 (REFER TO BERRIDGE TYPICAL DETAILS C-96 THROUGH C-98).

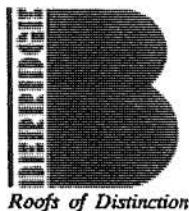
U. SEALANT RECOMMENDATIONS: TREMCO, INC. SPECTREM 1 SILICONE SEALANT. DO NOT USE CLEAR CAULK.

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 CEE-LOCK STANDING SEAM ROOF PANEL SYSTEM.

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



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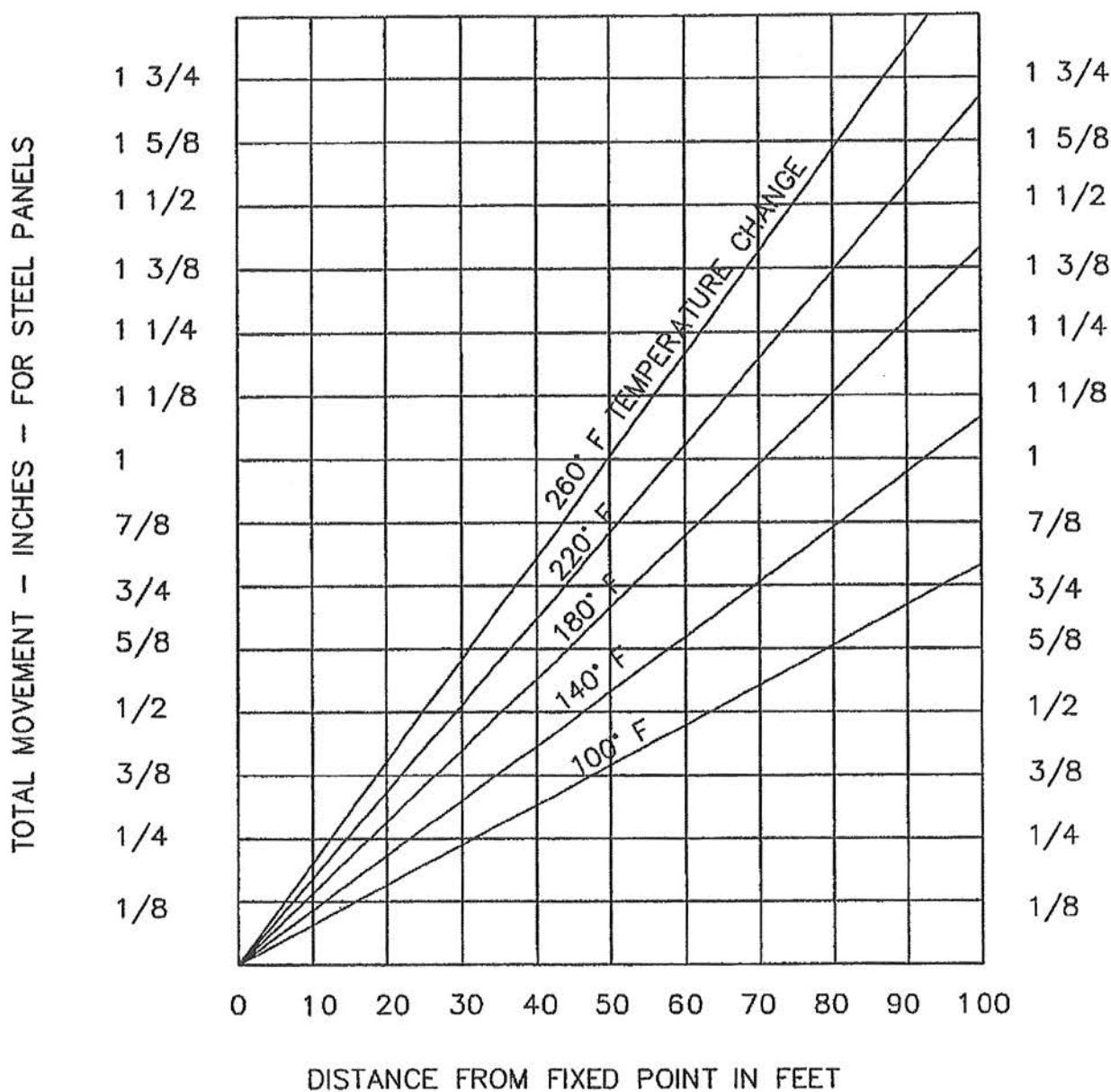
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EXPANSION AND CONTRACTION OF METAL PANELS OVER 30 FEET IN LENGTH, DUE TO LONGITUDINAL THERMAL MOVEMENT, MUST BE CONSIDERED IN BOTH DESIGN AND INSTALLATION. THE ABOVE CHART EMPHASIZED THE NEED TO PROVIDE AMPLE CLEARANCES FOR GUTTERS, RIDGES, ENDWALLS, ETC.

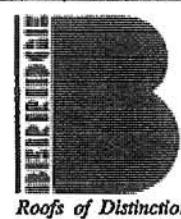
MAXIMUM TEMPERATURE SHOULD BE NO LOWER THAN 140° F FOR WHITE PANELS, UP TO 180° F FOR DARK PAINTED PANELS, REGARDLESS OF AMBIENT MAXIMUM. MINIMUM SHOULD BE FIGURED WELL BELOW AMBIENT MINIMUM TO ALLOW FOR RADIATION TO NIGHT SKY. IN ANY CASE, A MINIMUM OF 100° F DIFFERENTIAL IS RECOMMENDED.

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NOMINAL LINEAR EXPANSION

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

BERRIDGE MANUFACTURING COMPANY 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.



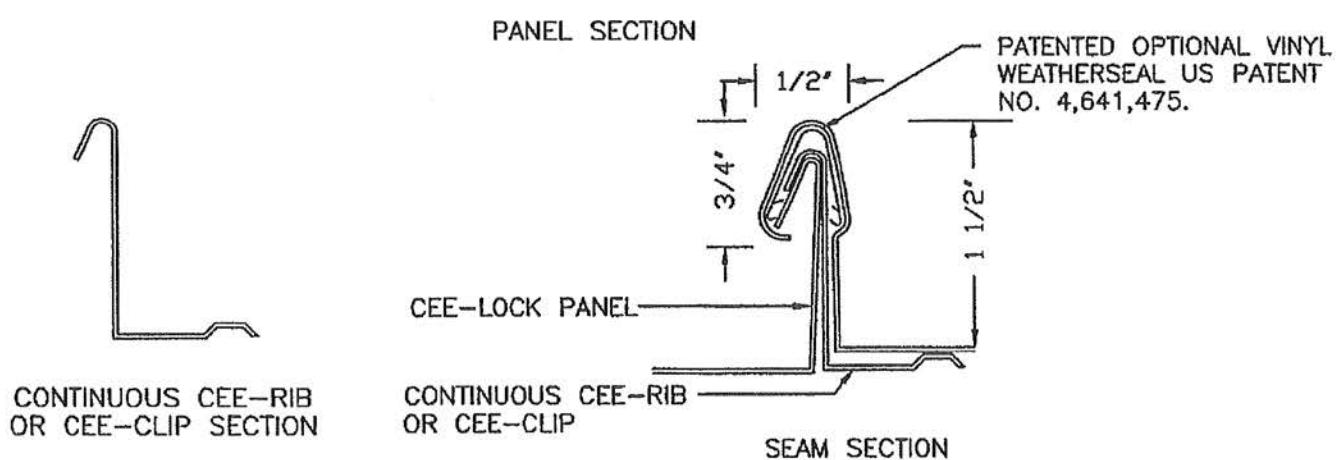
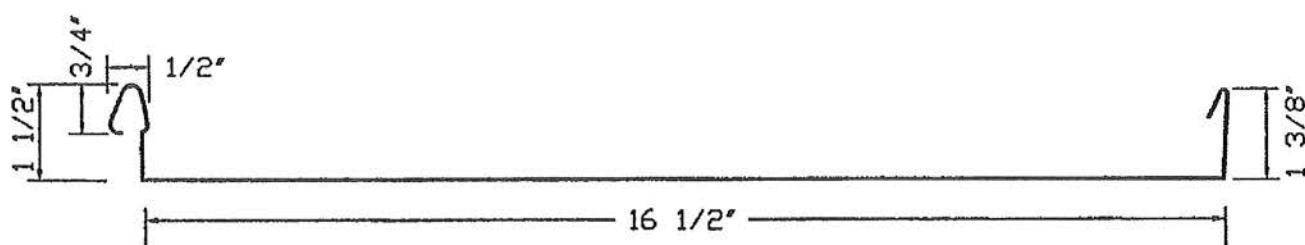
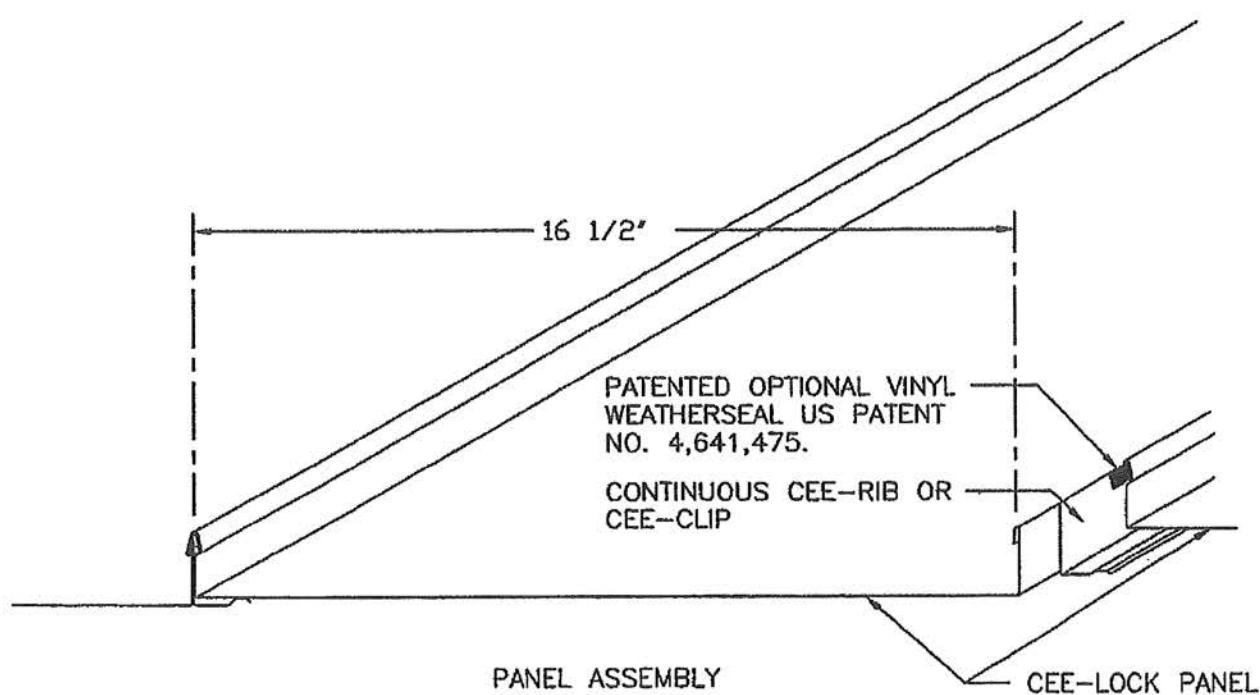
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INTRODUCTION TO
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PANEL OVERVIEW

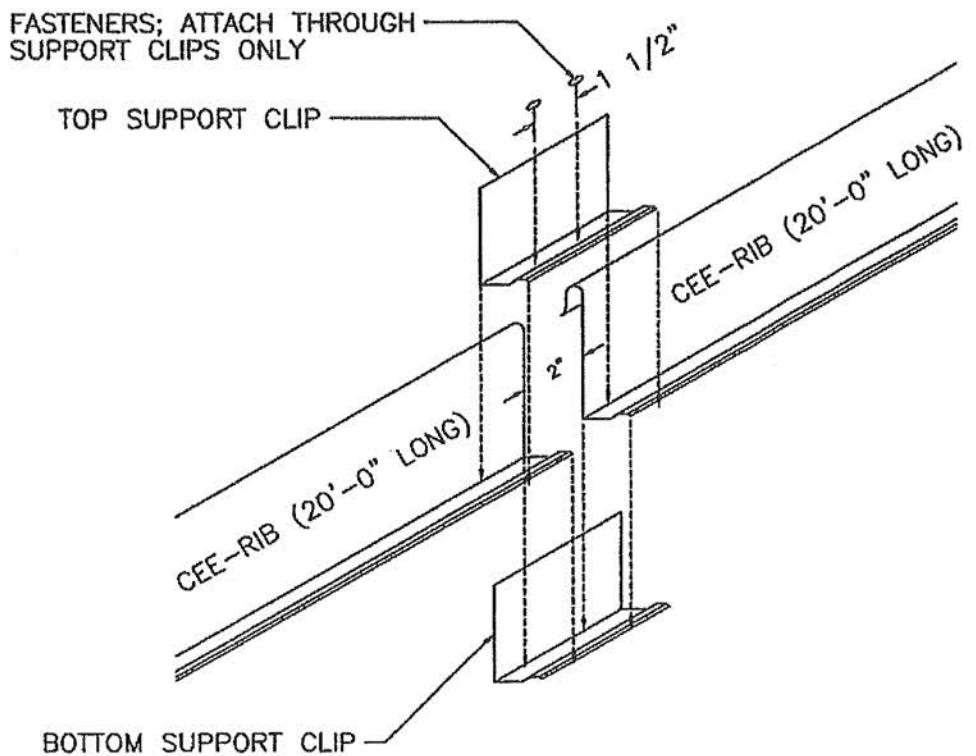
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CEE-LOCK PANEL



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SET BOTTOM SUPPORT CLIP ON
TOP OF SOLID SHEATHING, RIGID INSULATION,
OR HIGH RIBS OF METAL DECK

NOT TO SCALE



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CEE-LOCK PANEL

CEE-RIB
EXPANSION JOINT

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BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS AT EVERY PURLIN OR
CEE-LOCK CLIP AT EVERY PURLIN WITH 2 FASTENERS PER CLIP

30 FELT UNDERLayment

CONTINUOUS ZEE PURLIN

INSULATING MATERIAL

CORRUGATED METAL DECK

STRUCTURAL MEMBER

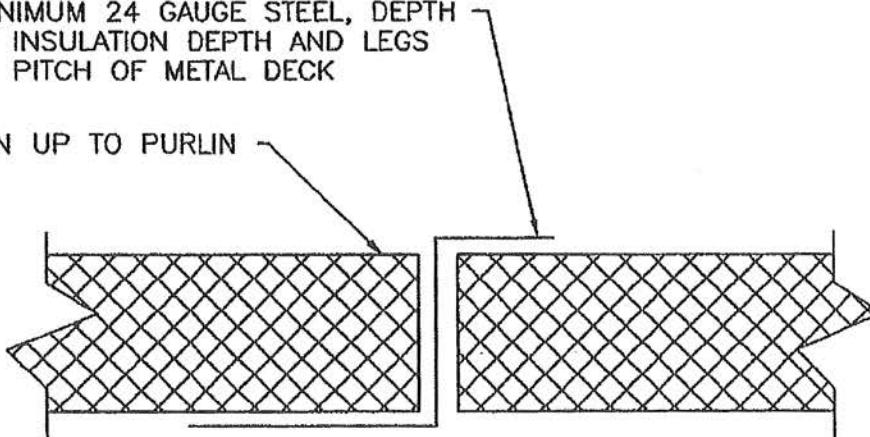
SEE PURLIN DETAIL BELOW

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 PURFLIN

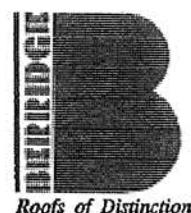


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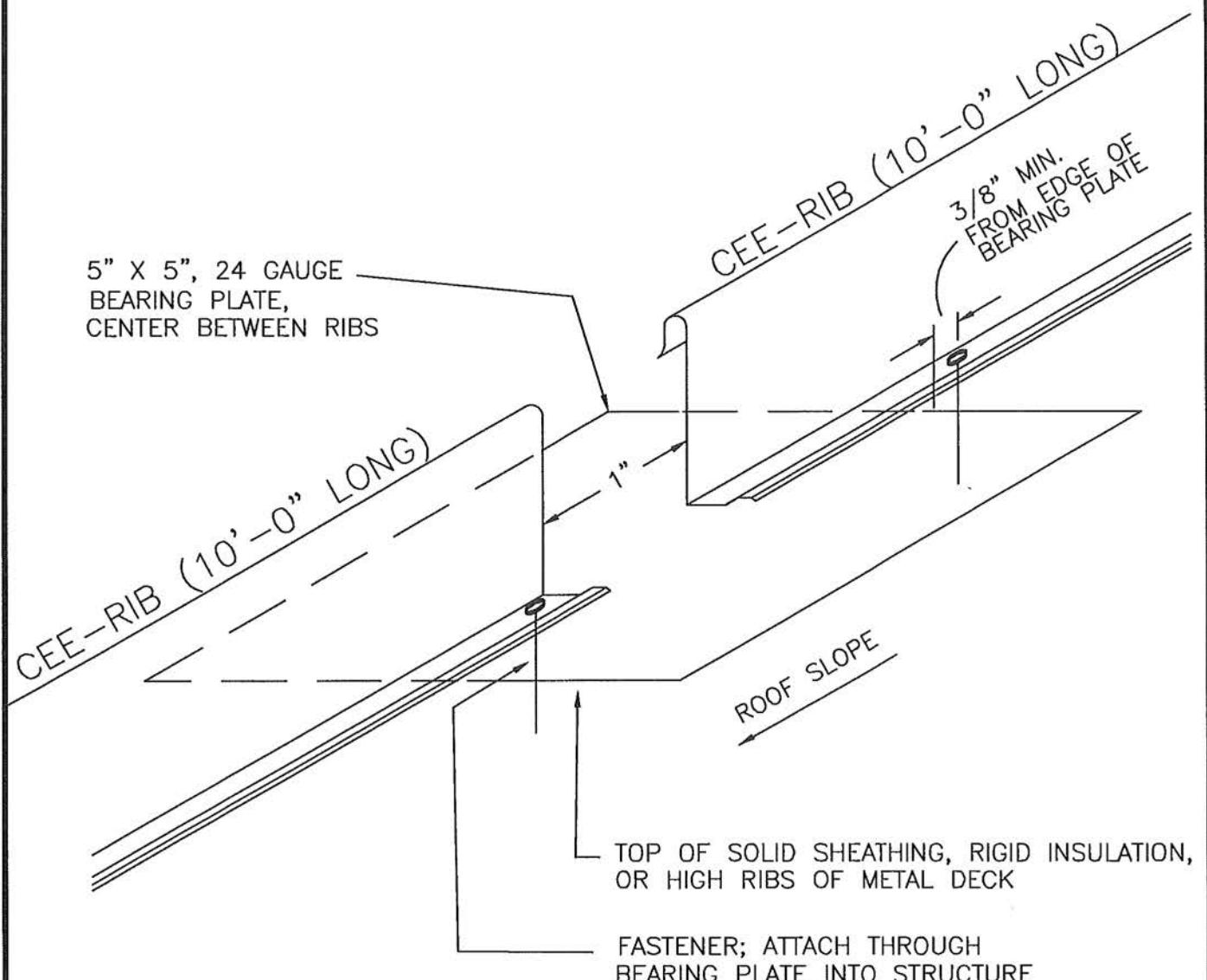
INSULATED DECK
DETAIL

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CEE-LOCK PANEL



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Company



1. ONLY FOR USE WITH 10'-0" CEE RIB, SEE ALTERNATE DETAIL CL-4 FOR CEE RIB LONGER THAN 10 FEET.

2. VINYL WEATHERSEAL REQUIRED FOR USE ON PROJECTS REQUIRING A WATERTIGHTNESS WARRANTY.

3. CONSULT BERRIDGE MANUFACTURING FOR FASTENER SPACING.

NOT TO SCALE

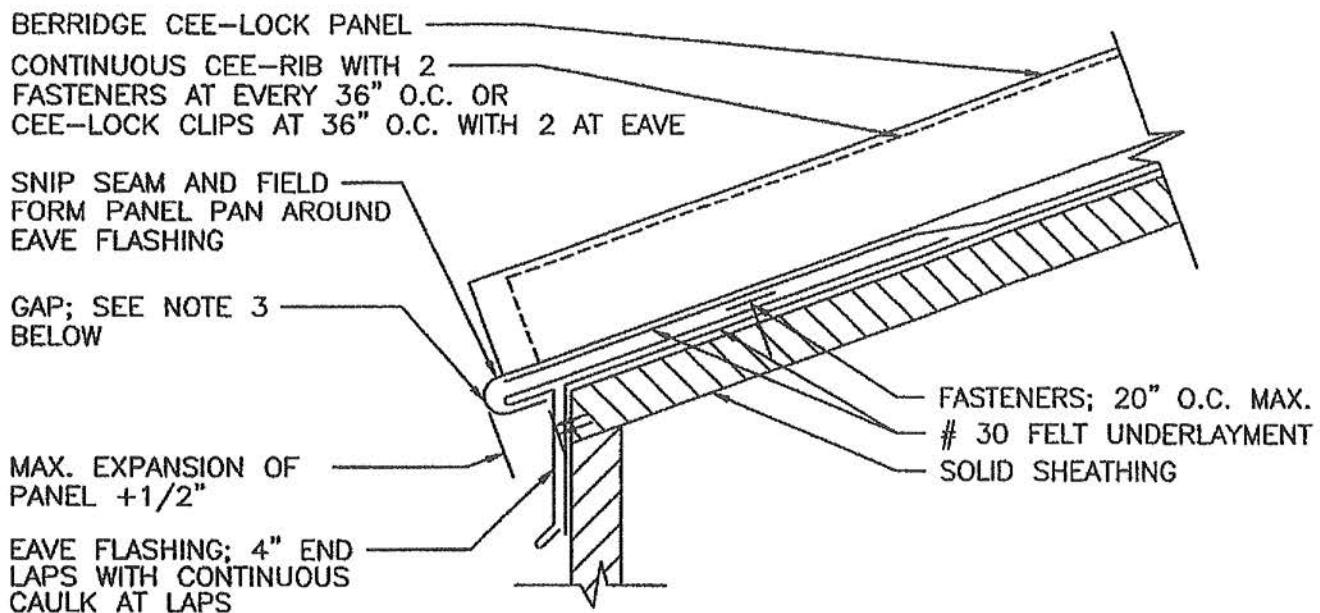


Berridge
Manufacturing
Company

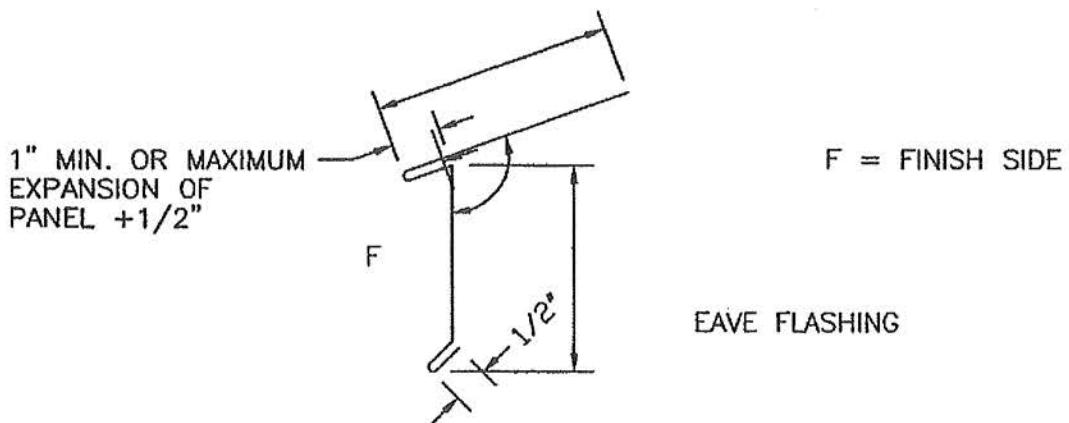
10'-0" CEE-RIB SPLICE
BEARING PLATE DETAIL
CEE-LOCK PANEL

DATE: 11-6-09

PAGE\FILE
CL-6



1. THIS DETAIL IS RECOMMENDED FOR AREAS WITH HEAVY SNOW LOADS OR WHERE EXPANSION AND CONTRACTION OF PANELS IS A DESIGN FACTOR.
2. 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 LINEAR EXPANSION CHART, PAGE CI-7.
3. GAP BETWEEN EAVE FLASHING AND PANEL MUST BE ADJUSTED TO SUIT TEMPERATURE DURING INSTALLATION.
4. SEE ALSO EXPANSION JOINT DETAIL CL-4.
5. SOLID SHEATHING (BY OTHERS) TO BE 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
6. ALL FELT UNDERLayment, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.



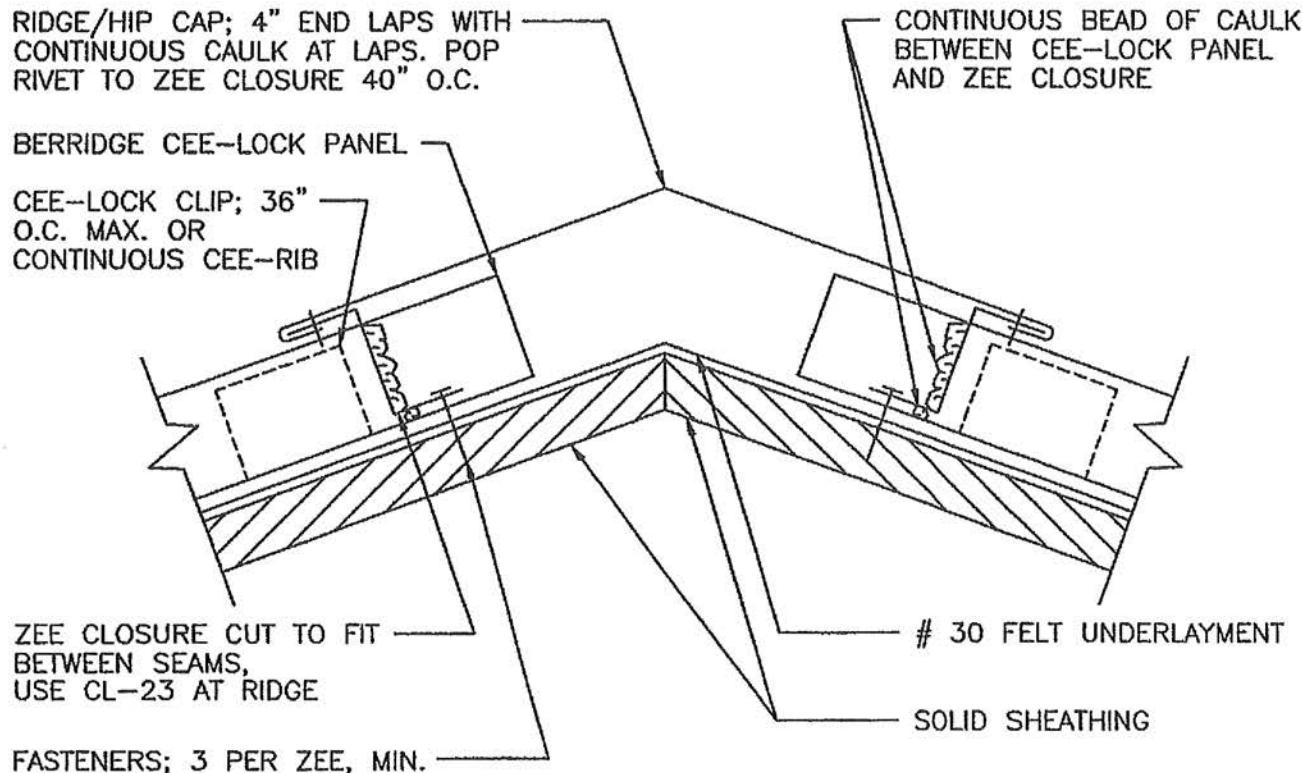
Berridge
Manufacturing
Company

EAVE DETAIL
PANEL TURNDOWN

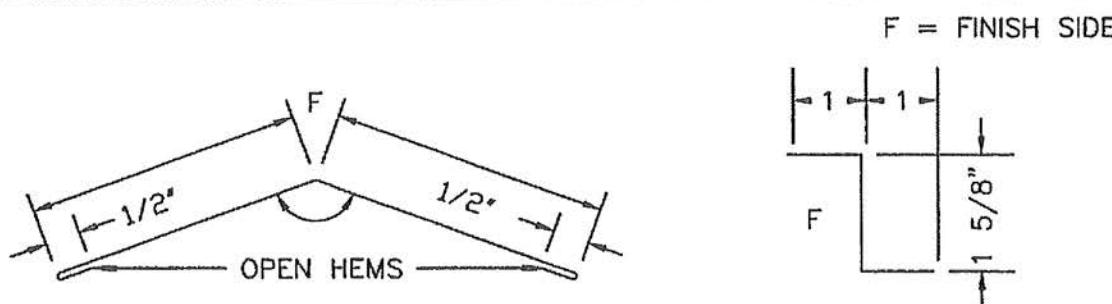
CEE-LOCK PANEL

DATE: 05-01-97

PAGE\FILE
CL-10

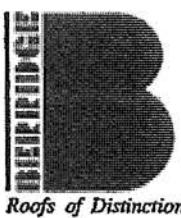


1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS AT HIPS AT RIDGE USE DETAIL CL-23.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLayment, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.



RIDGE/HIP CAP

ZEE CLOSURE

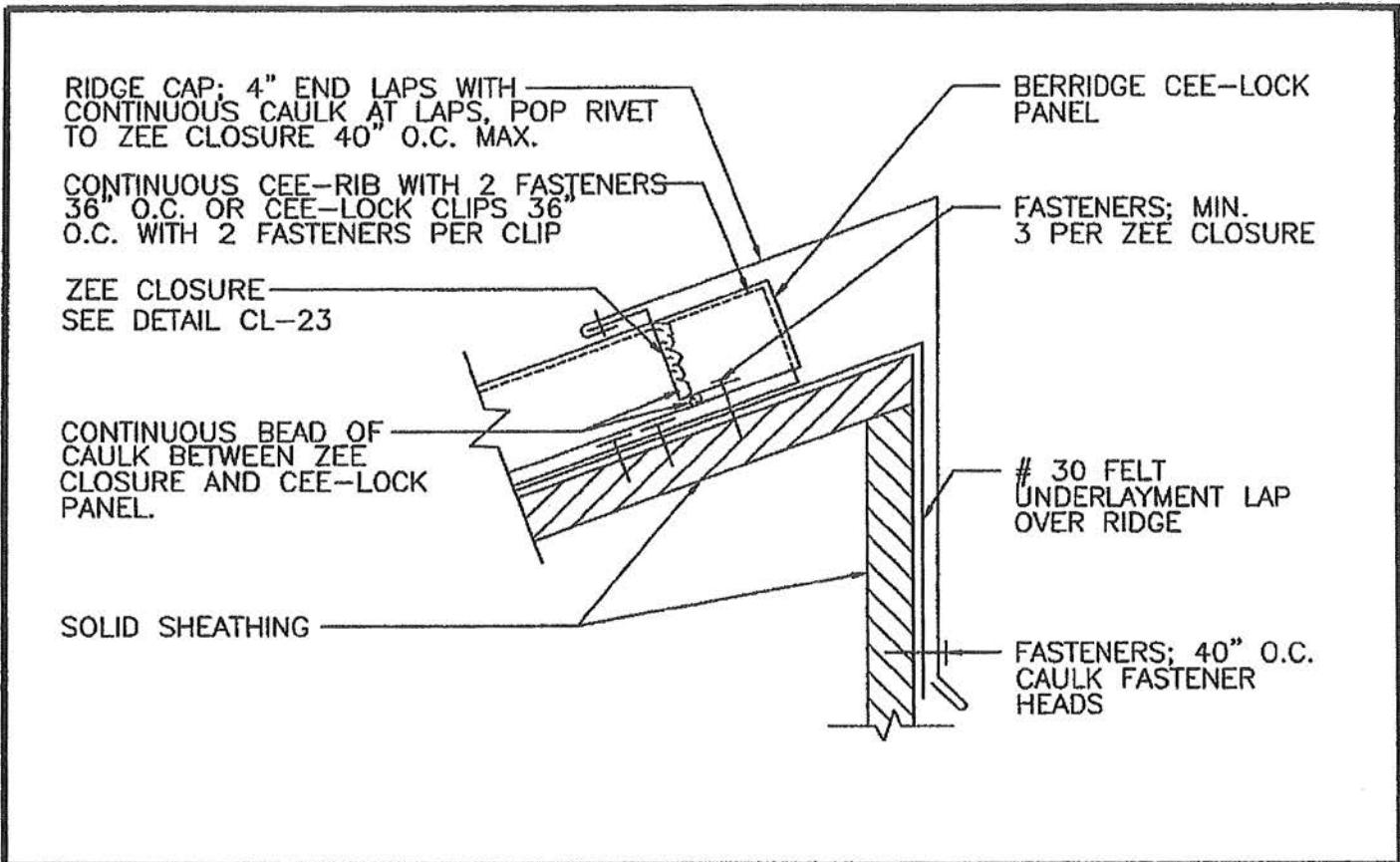


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Company

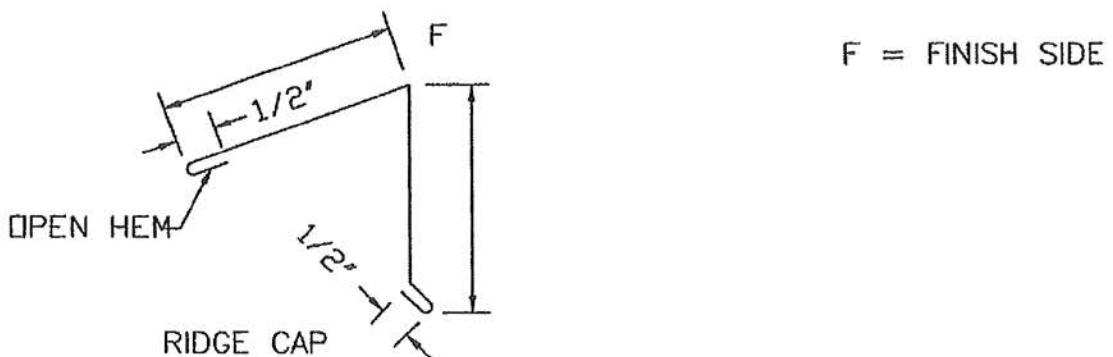
RIDGE/HIP DETAIL
CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE
CL-20



1. SEE DETAIL CL-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.



DATE: 08-22-05

SHED ROOF RIDGE CAP

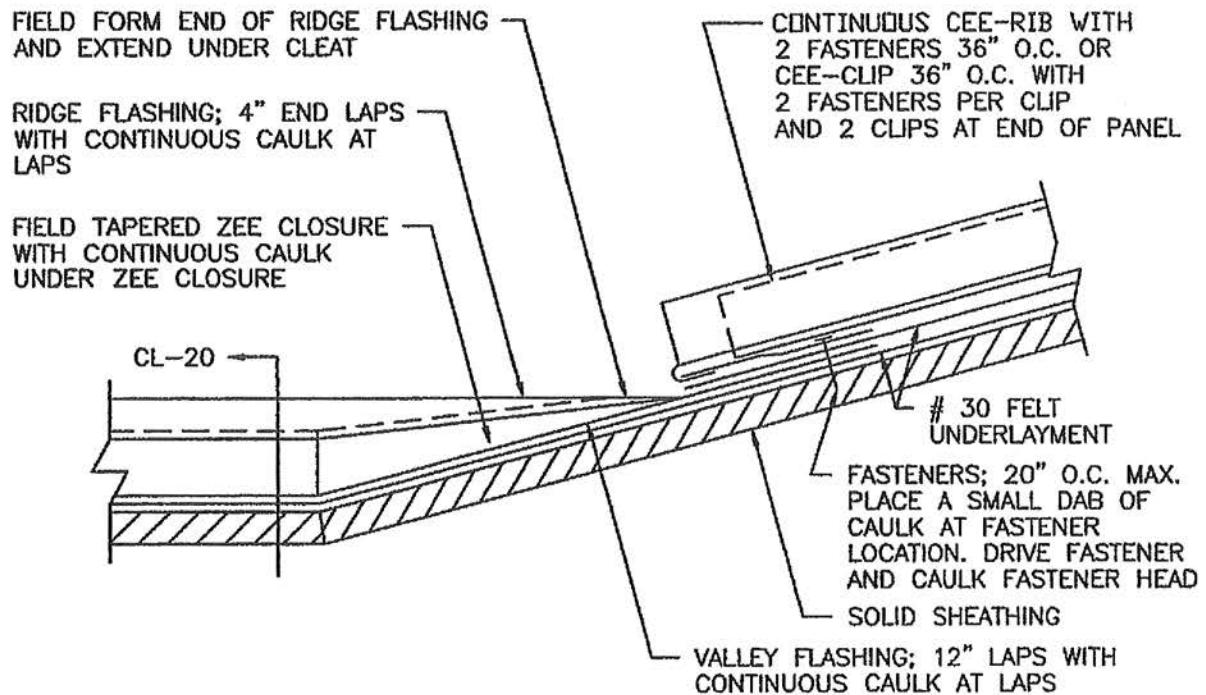
PAGE\FILE
CL-21

CEE-LOCK PANEL

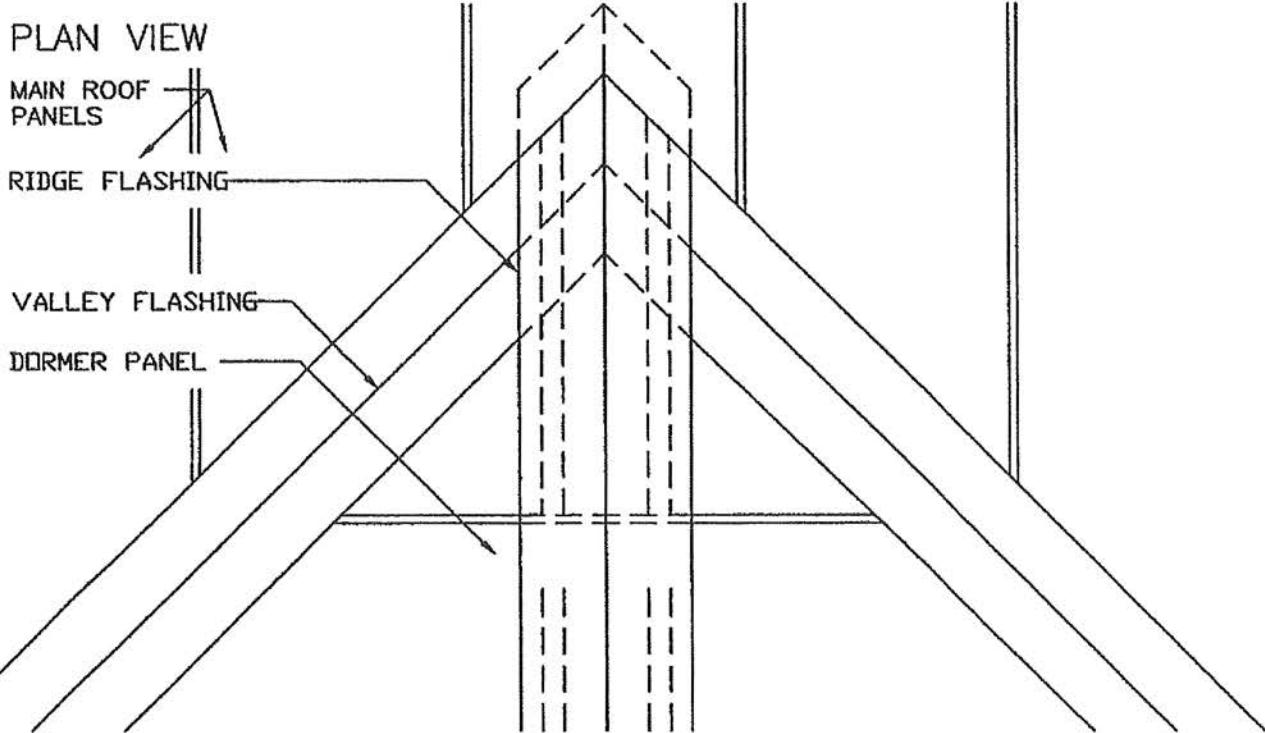


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Manufacturing
Company

SECTION VIEW



PLAN VIEW



Berridge
Manufacturing
Company

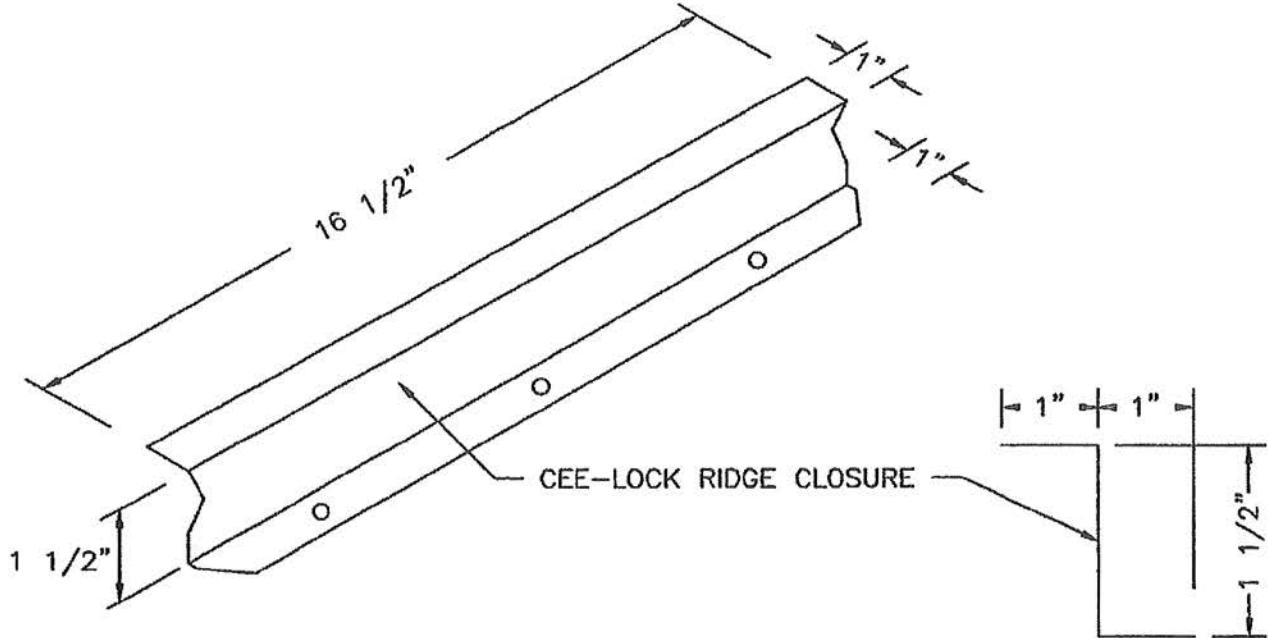
RIDGE TERMINATION
AT DORMER VALLEY

DATE: 08-22-05

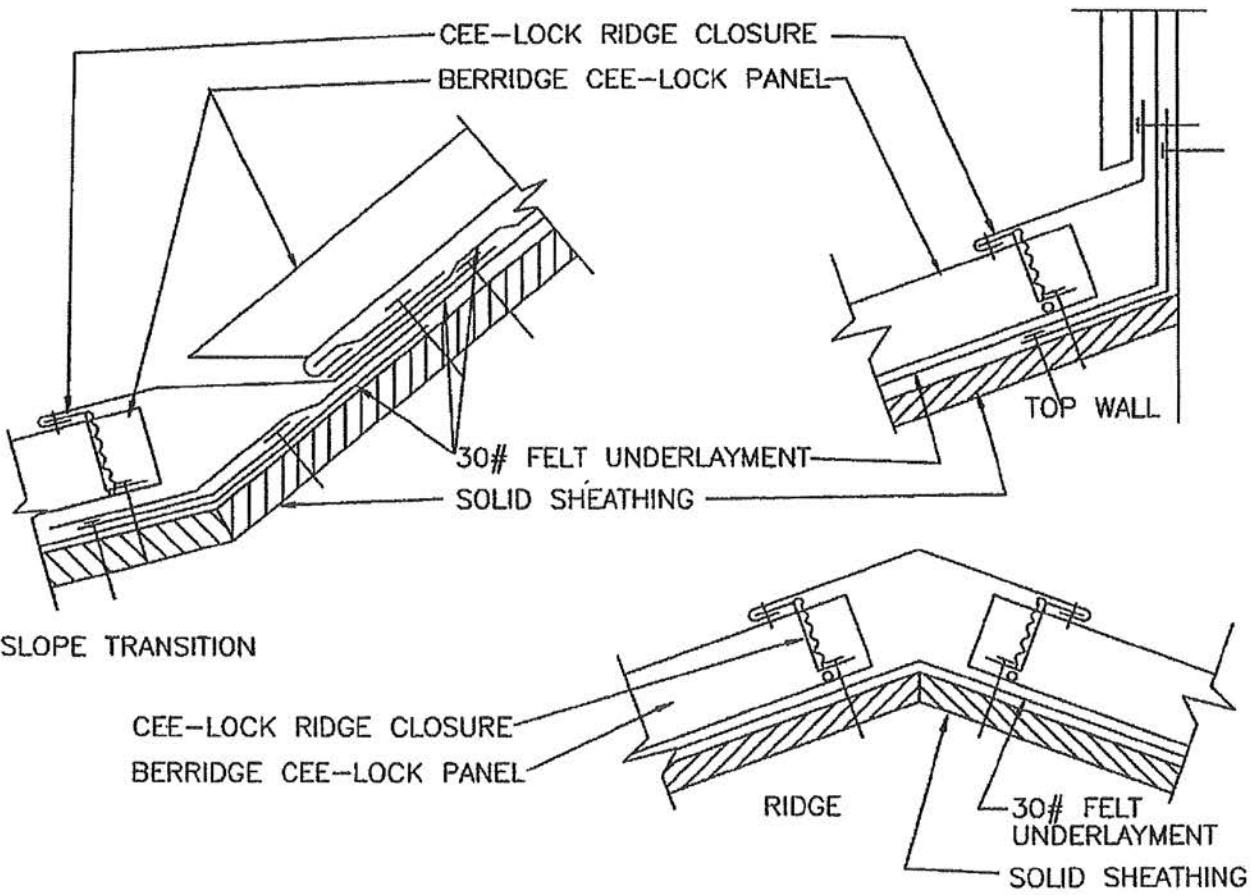
PAGE\FILE

CL-22

CEE-LOCK PANEL



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



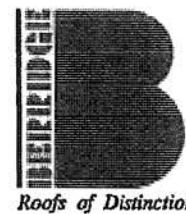
DATE: 08-22-05

PAGE\FILE

CL-23

CEE-LOCK RIDGE CLOSURE

CEE-LOCK PANEL



Berridge
Manufacturing
Company

EXTRUDED VINYL WEATHERSEAL
(OPTIONAL) US PATENT NO. 4,641,475.

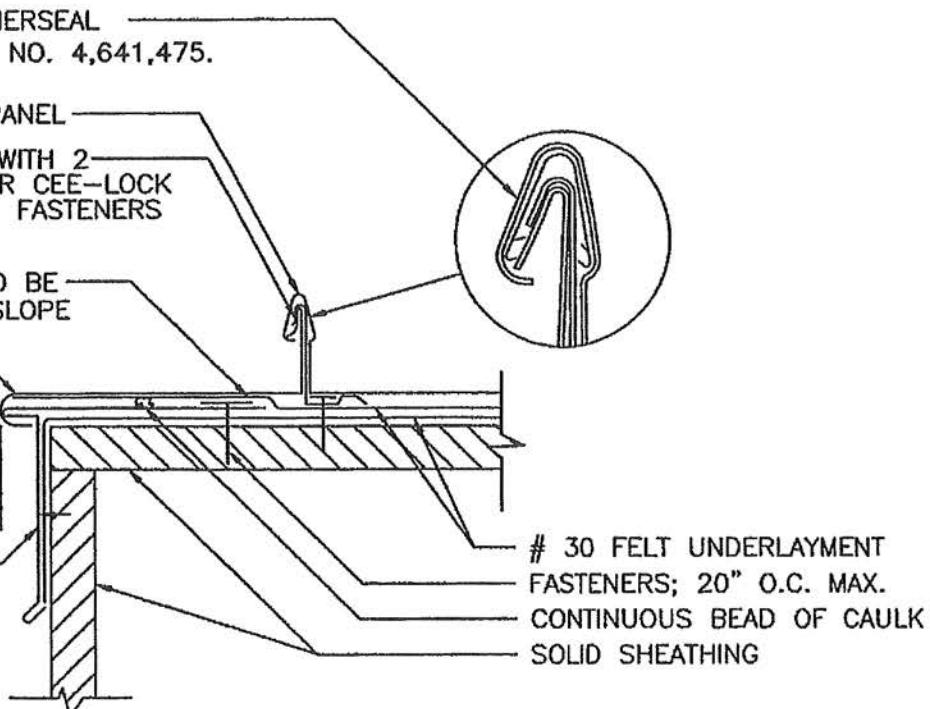
BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2
FASTENERS 36" O.C. OR CEE-LOCK
CLIPS 36" O.C. WITH 2 FASTENERS
PER CLIP

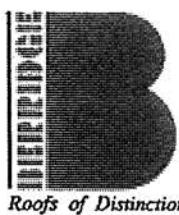
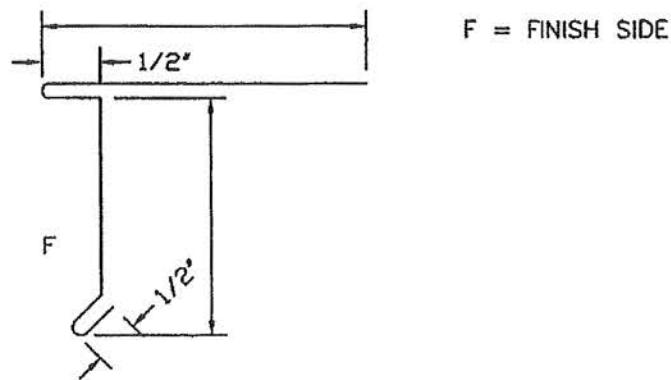
TOP LAYER OF FELT TO BE
PARALLEL WITH ROOF SLOPE

FIELD CUT PANEL
AND FORM AROUND
DRIP FLASHING.
PANEL TO BE
CONTINUOUS FROM
EAVE TO RIDGE

1/2"
DRIP FLASHING; 4"
END LAP WITH
CONTINUOUS CAULK
AT LAP.



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.



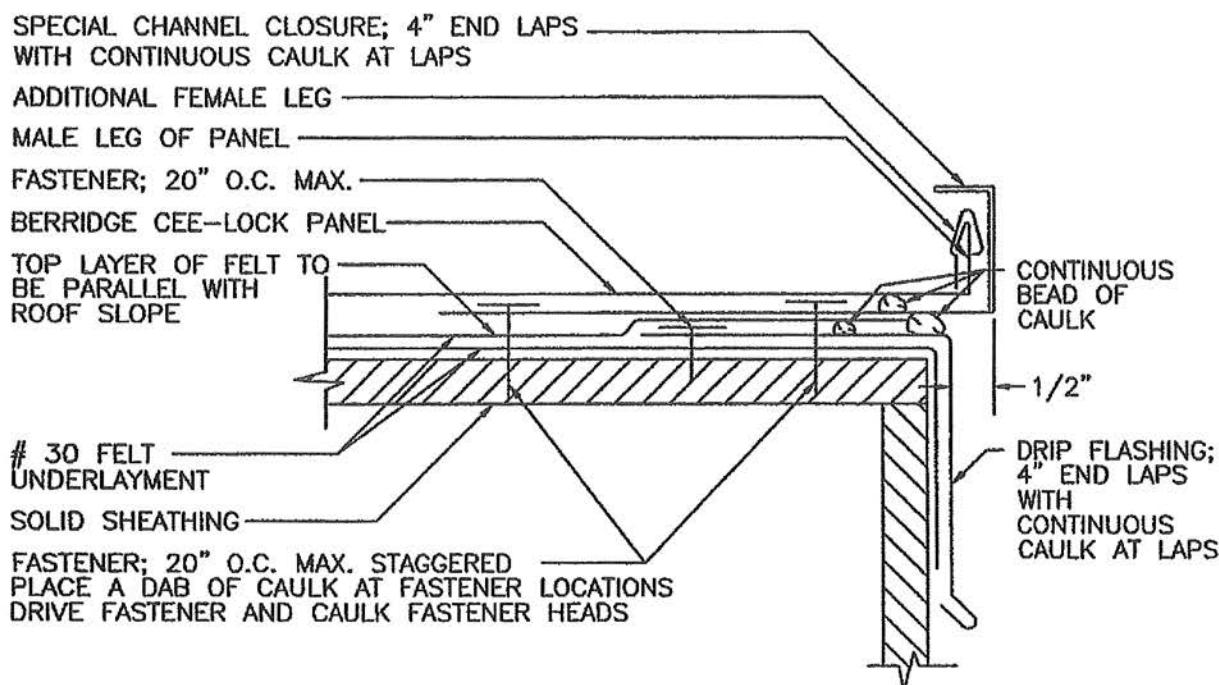
Berridge
Manufacturing
Company

GABLE DETAIL
PANEL TURNDOWN

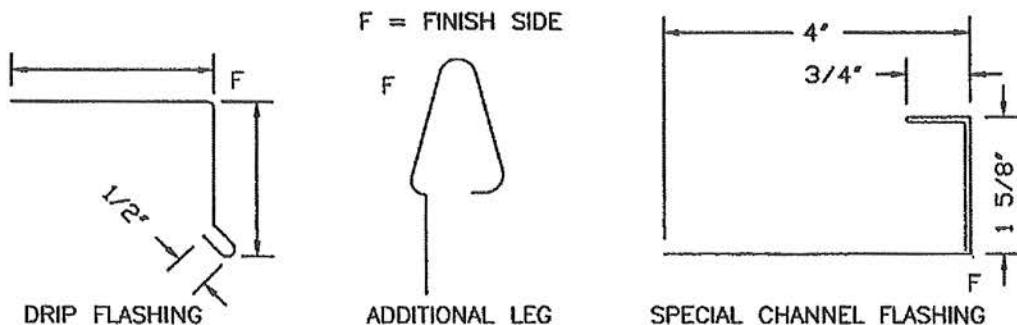
DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-30



1. SNAP ADDITIONAL FEMALE LEG ON TO MALE LEG OF PANEL. SLIP PANEL INTO SPECIAL CLOSURE THEN SNAP LOCK PANEL TO ADJACENT PANEL.
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.



DATE: 08-22-05

GABLE DETAIL
CHANNEL CLOSURE
ADDITIONAL LEG

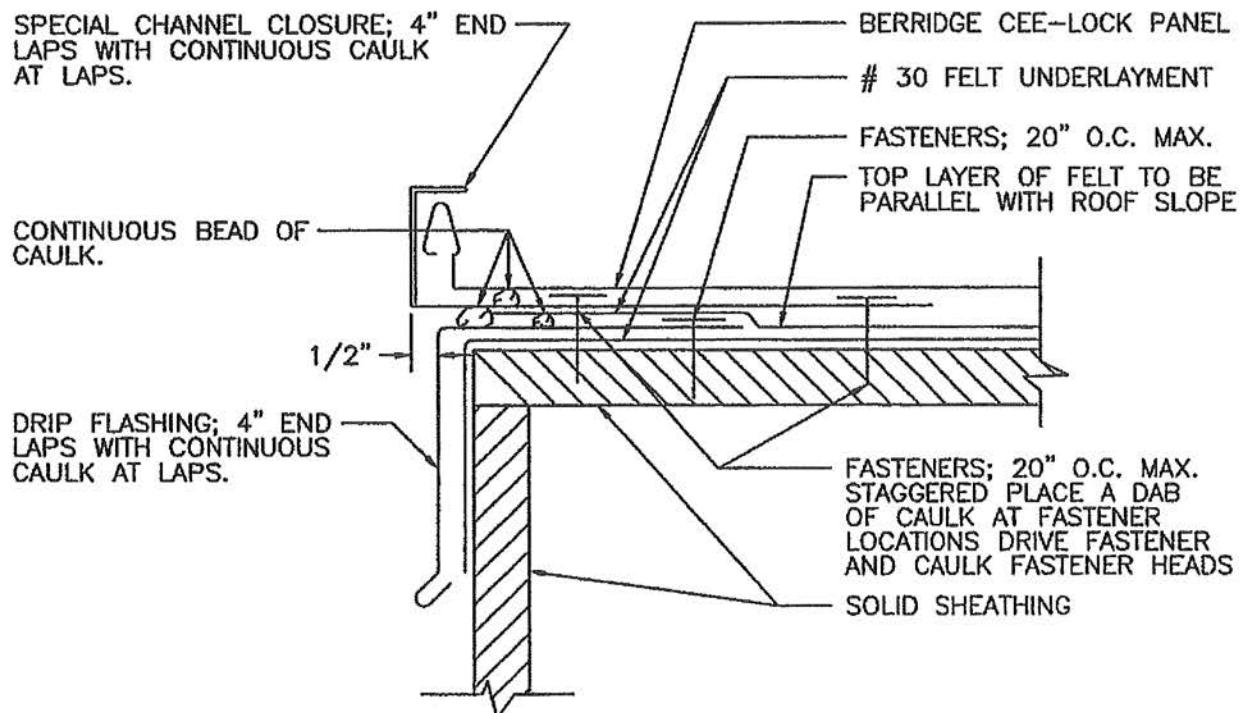
PAGE\FILE

CL-31

CEE-LOCK PANEL

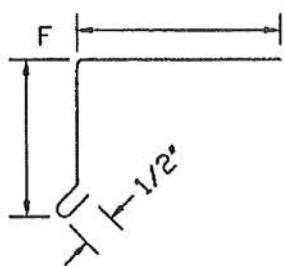


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Company

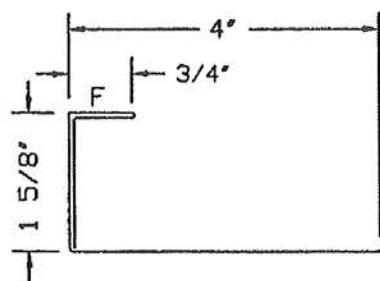


1. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
2. ALL FELT UNDERLayment, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.

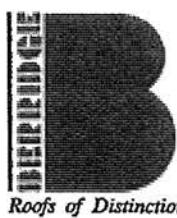
F = FINISH SIDE



DRIP FLASHING



SPECIAL CHANNEL CLOSURE



Berridge
Manufacturing
Company

GABLE DETAIL
CHANNEL CLOSURE

CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE
CL-32

EXTRUDED VINYL WEATHERSEAL (OPTIONAL) US
PATENT NO. 4,641,475.

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2
FASTENERS 36" O.C. OR CEE-LOCK
CLIPS 36" O.C. WITH 2 FASTENER
PER CLIP

FIELD CUT LAST PANEL AND
SLIP INTO J-CLIP

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

CONTINUOUS BEAD
OF CAULK

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

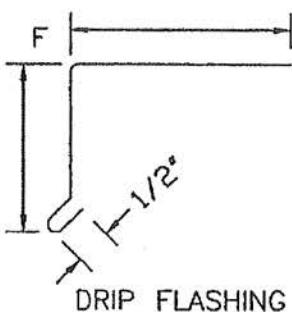
TOP LAYER OF FELT TO
BE PARALLEL WITH
ROOF SLOPE

30 FELT UNDERLAYMENT

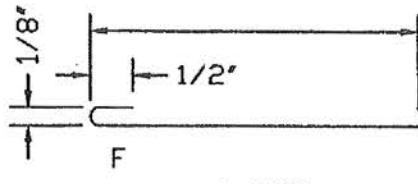
FASTENERS; 20" O.C. MAX.
SOLID SHEATHING

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 TO BE CONTINUOUS 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.



F = FINISH SIDE



J-CLIP

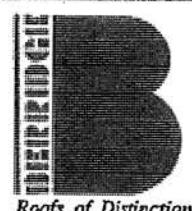
DATE: 08-22-05

GABLE DETAIL
J-CLIP

PAGE\FILE

CL-33

CEE-LOCK PANEL



Berridge
Manufacturing
Company

Roofs of Distinction

EXTRUDED VINYL WEATHERSEAL (OPTIONAL) US
PATENT NO. 4,641,475.

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS 36"
O.C. OR CEE-LOCK CLIP 36" O.C. WITH 2
FASTENERS PER CLIP

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

CONTINUOUS BEAD OF CAULK

FASTENERS: MIN. 3 PER
ZEE CLOSURE

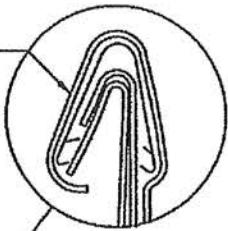
GABLE FLASHING: POP RIVET TO
ZEE CLOSURE 40" O.C. MAX. WITH 4"
END LAPS WITH CONTINUOUS CAULK
AT LAPS.

SPECIAL ZEE CLOSURE; CUT TO
FIT BETWEEN SEAMS

BERRIDGE CEE-LOCK PANEL

30 FELT UNDERLAYMENT

SOLID SHEATHING



TOP LAYER OF FELT
TO BE PARALLEL
WITH ROOF SLOPE

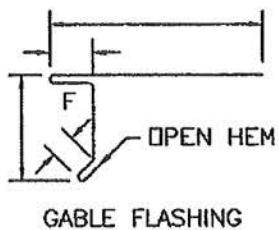
30 FELT UNDERLAYMENT

FASTENERS: 20" O.C.
MAX. STAGGERED

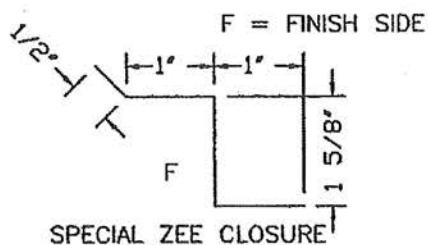
CONTINUOUS BEAD OF CAULK
BETWEEN ZEE CLOSURE,
CEE-LOCK PANEL AND SEAM

CONTINUOUS CEE-RIB WITH 2
FASTENERS 36" O.C. OR
CEE-LOCK CLIP 36" O.C. WITH
2 FASTENERS PER CLIP

1. FIELD CUT AND FORM LAST PANEL AROUND GABLE FLASHING. PANEL MUST BE CONTINUOUS 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.



GABLE FLASHING



Berridge
Manufacturing
Company

GABLE DETAIL

DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-34

EXTRUDED VINYL WEATHERSEAL (OPTIONAL) US
PATENT NO. 4,641,475.

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS 36"
O.C. OR CEE-LOCK CLIP 36" O.C. WITH 2
FASTENER PER CLIP

FIELD CUT LAST PANEL AND SLIP INTO J-CLIP
(PANEL MUST BE CONTINUOUS FROM RIDGE TO
EAVE)

CONTINUOUS BEAD OF CAULK
J-CLIP; 4" END LAP WITH
CONTINUOUS CAULK AT LAP

SPECIAL CHANNEL CLOSURE;
4" END LAP WITH CONTINUOUS
CAULK AT LAP

1/2"

BERRIDGE FASCIA PANEL

30 FELT UNDERLAYMENT

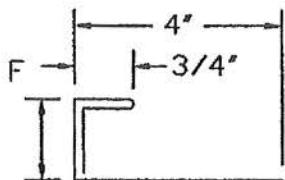
SOLID SHEATHING



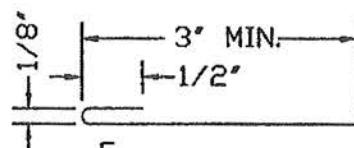
TOP LAYER OF FELT
TO BE PARALLEL
WITH ROOF SLOPE

30 FELT UNDERLAYMENT
FASTENERS; 20" O.C. MAX.
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 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.



SPECIAL CHANNEL CLOSURE



J-CLIP



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Manufacturing
Company

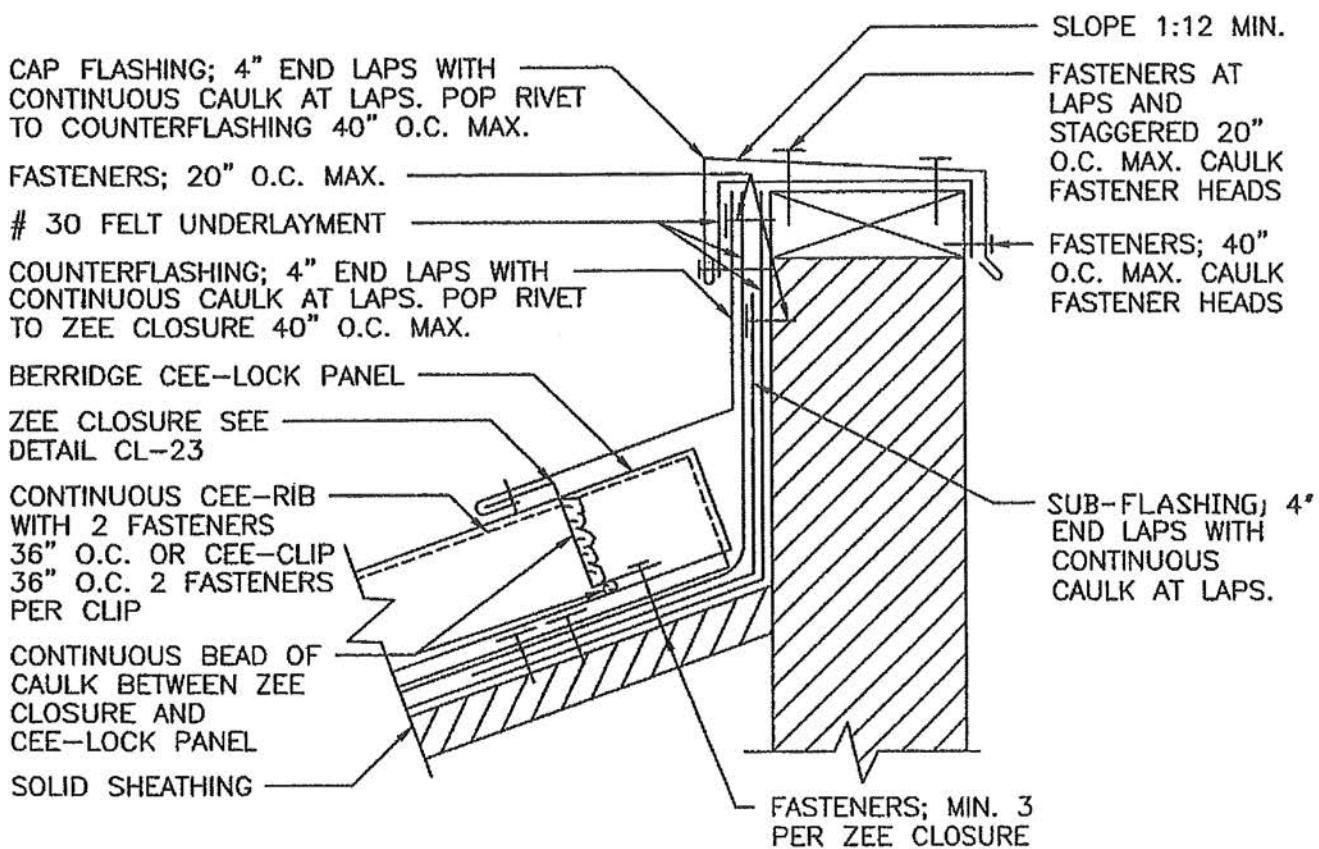
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GABLE DETAIL

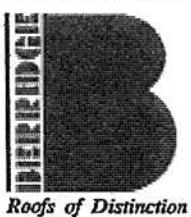
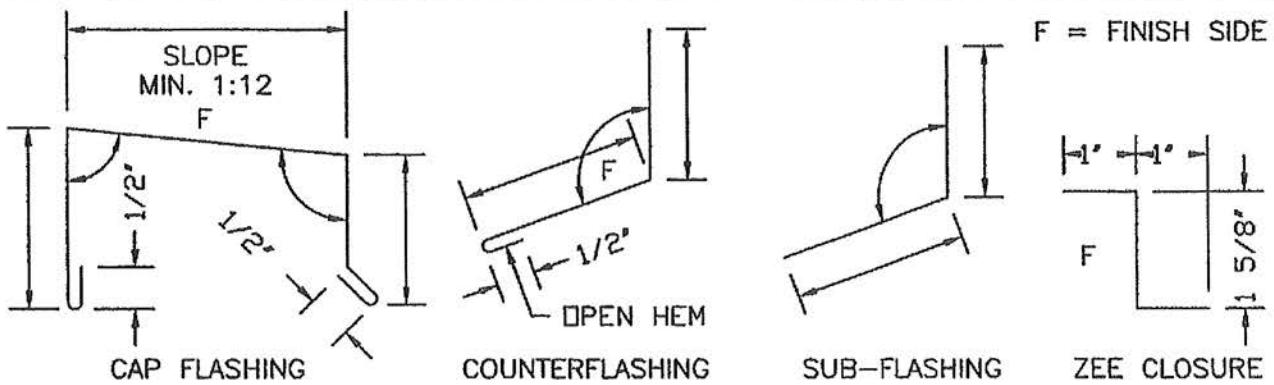
PAGE\FILE

CL-35

CEE-LOCK PANEL



1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS IF PANELS 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.



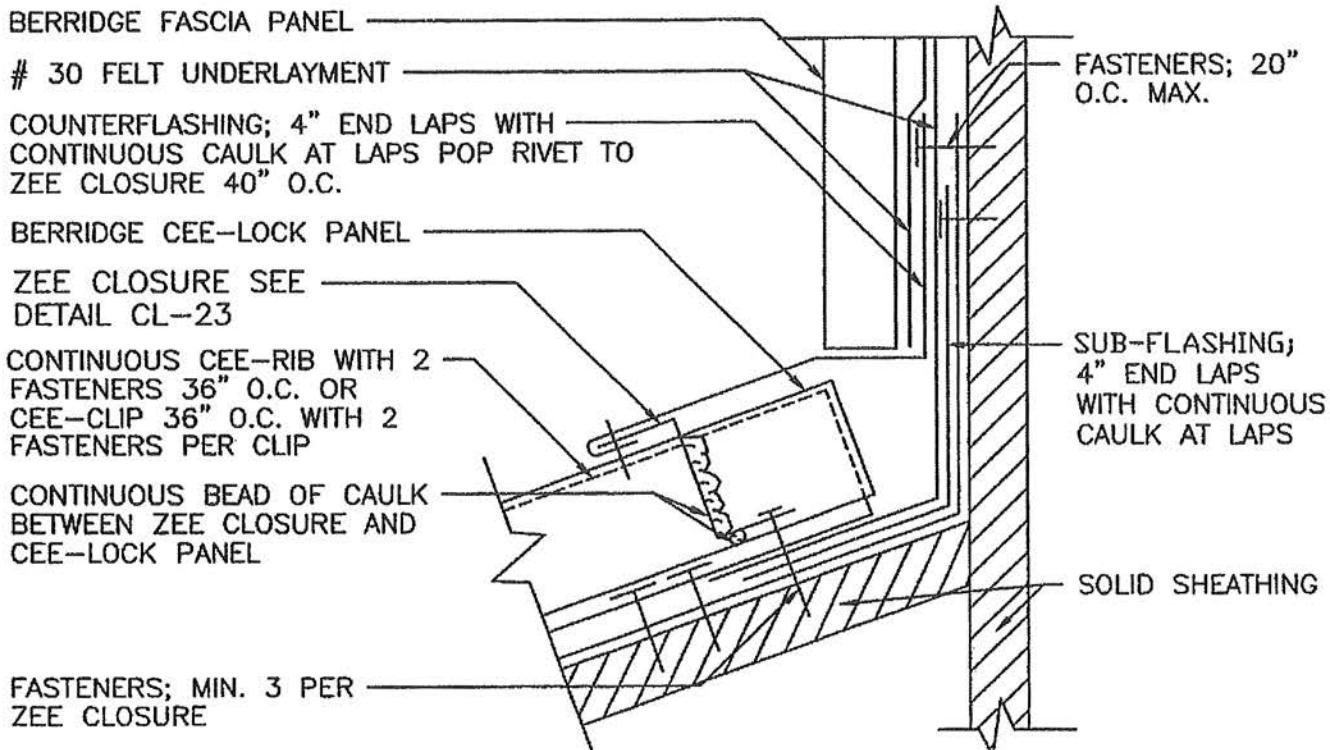
Berridge
Manufacturing
Company

PARAPET DETAIL

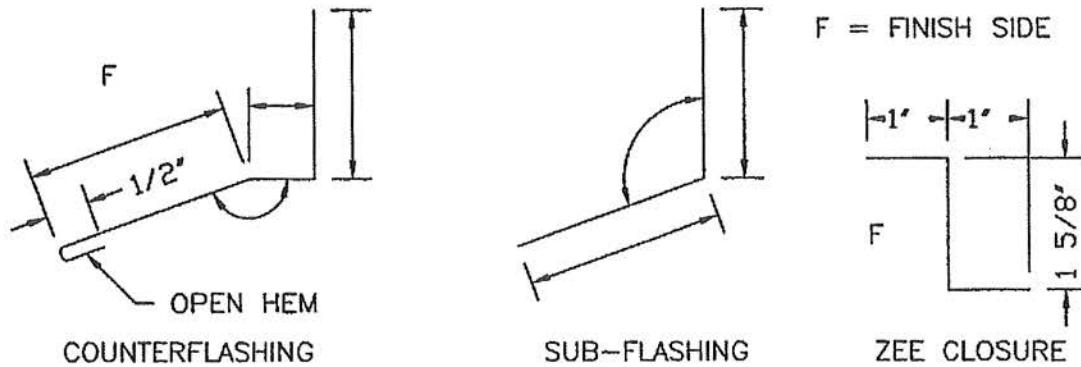
CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE
CL-40



1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS IF PANELS 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.



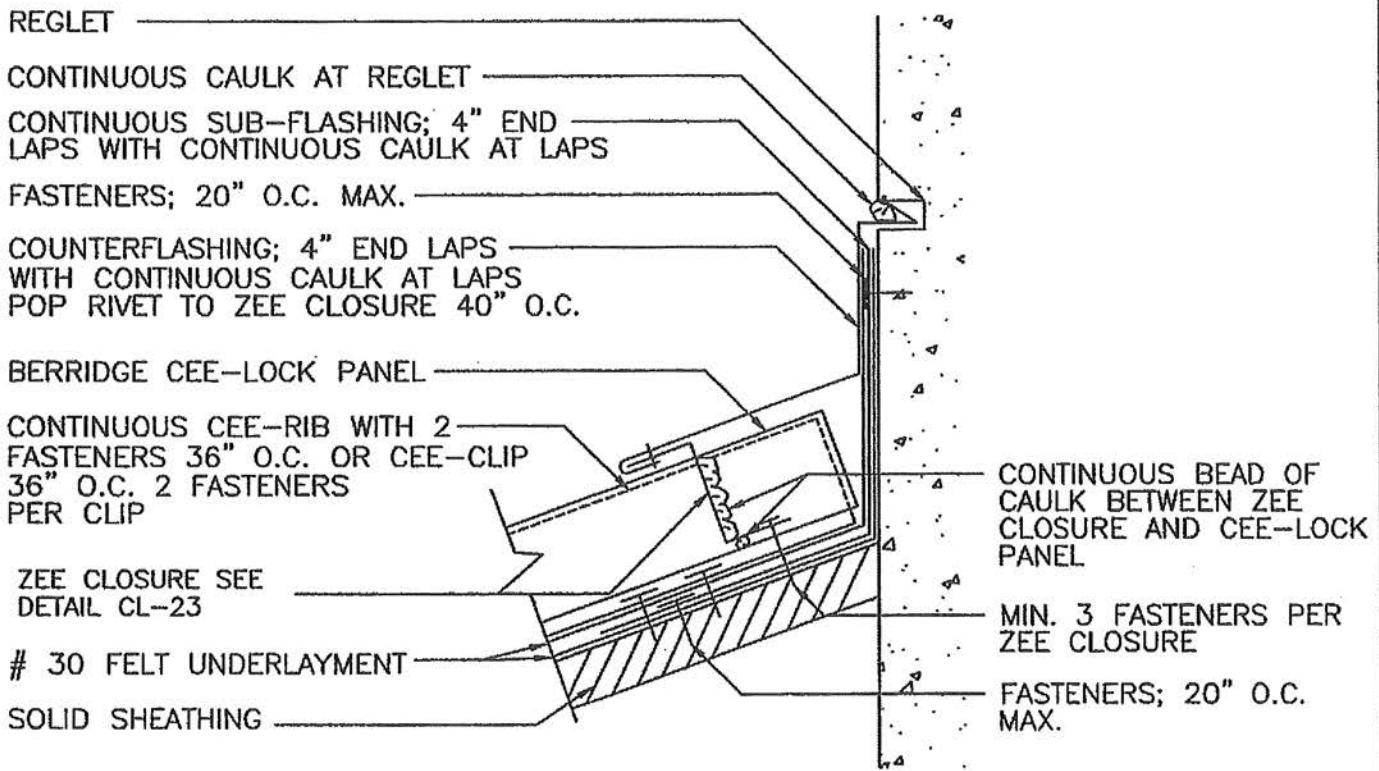
Berridge
Manufacturing
Company

HEAD WALL DETAIL
WITH FASCIA PANEL

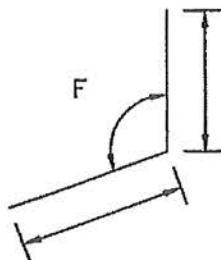
CEE-LOCK PANEL

DATE: 08-22-05

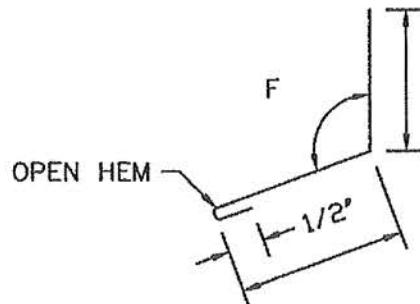
PAGE\FILE
CL-50



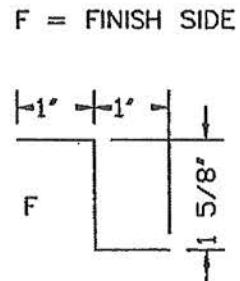
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL SEAMS IF PANELS ARE NOT PERPENDICULAR TO WALL.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLayment, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.



SUB-FLASHING



COUNTERFLASHING



ZEE CLOSURE

DATE: 08-22-05

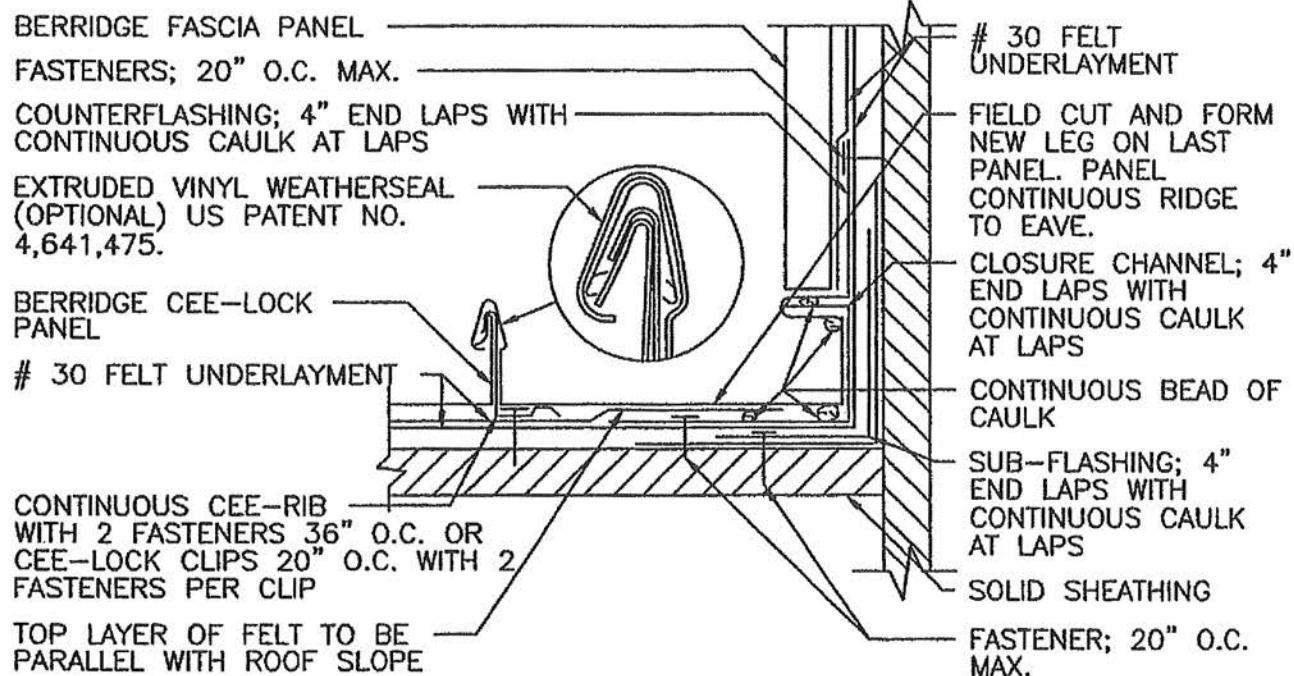
PAGE\FILE
CL-51

HEAD WALL DETAIL
REGLET

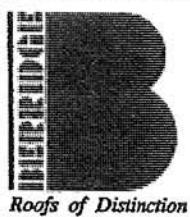
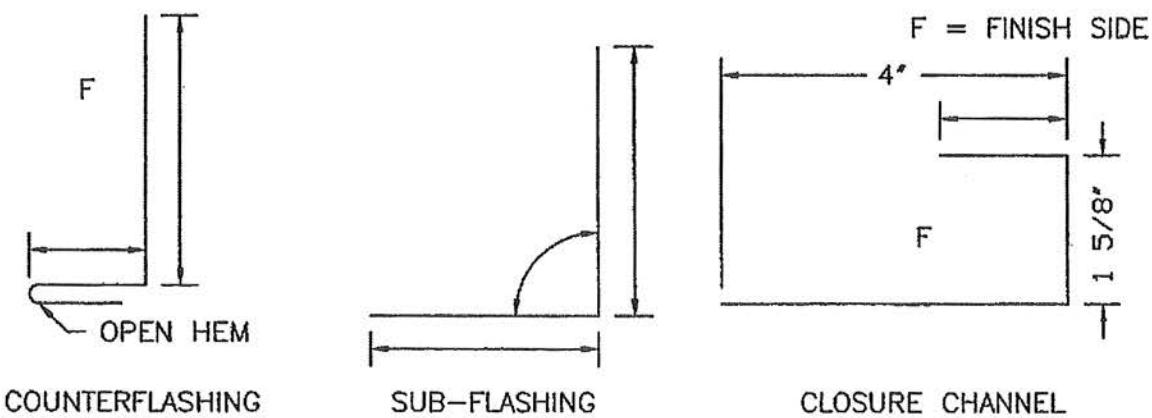
CEE-LOCK PANEL



Berridge
Manufacturing
Company



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.



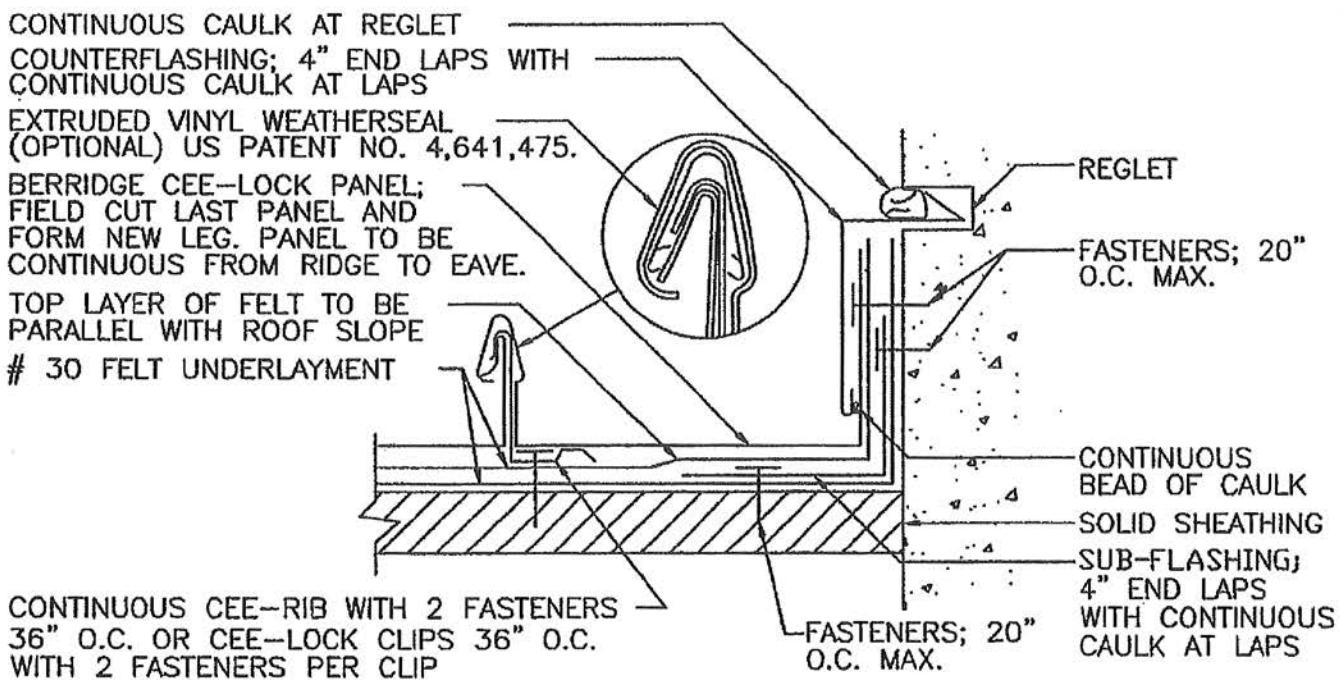
Berridge
Manufacturing
Company

RAKE WALL DETAIL
WITH FASCIA PANEL

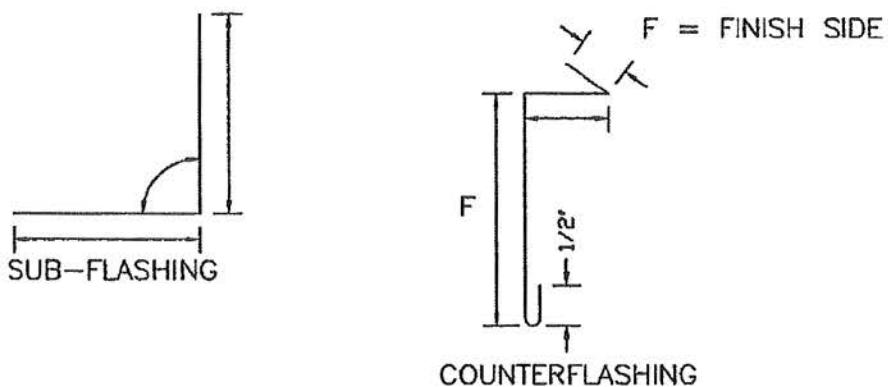
DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-52



1. FIELD CUT LAST PANEL AND FORM NEW LEG. 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.



DATE: 08-22-05

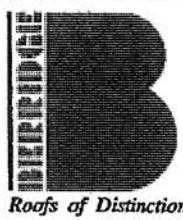
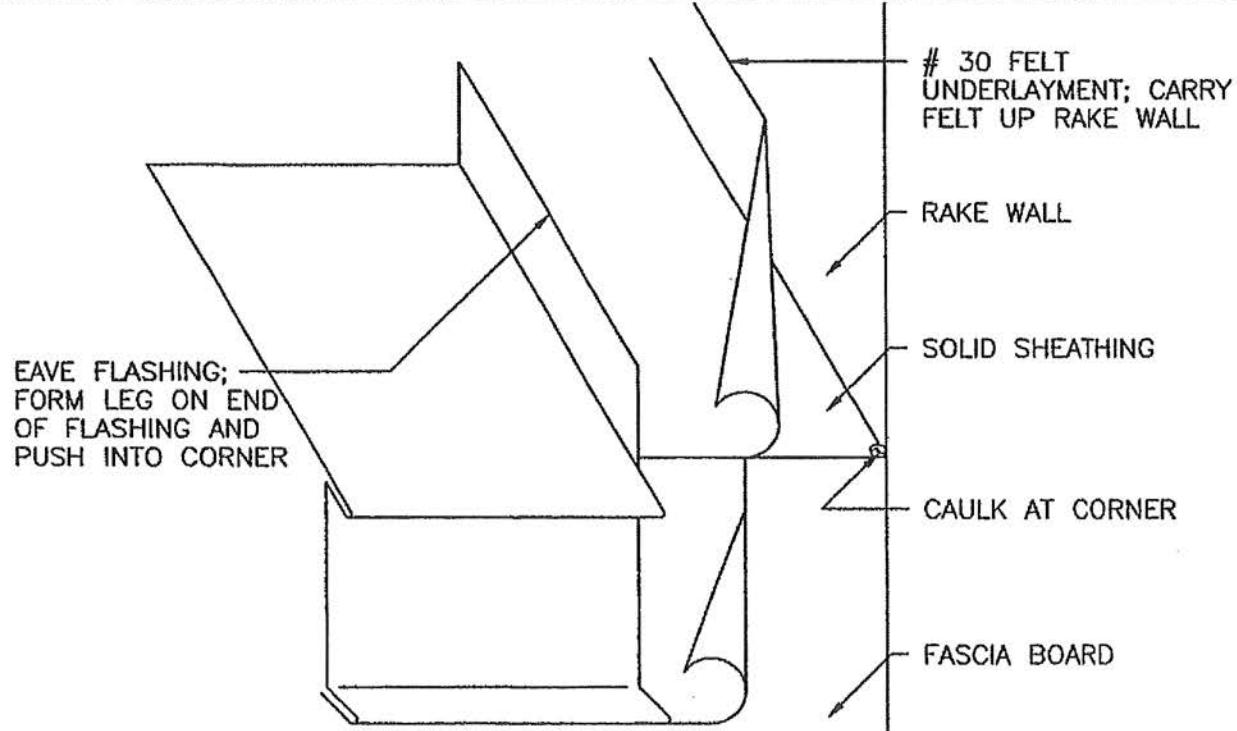
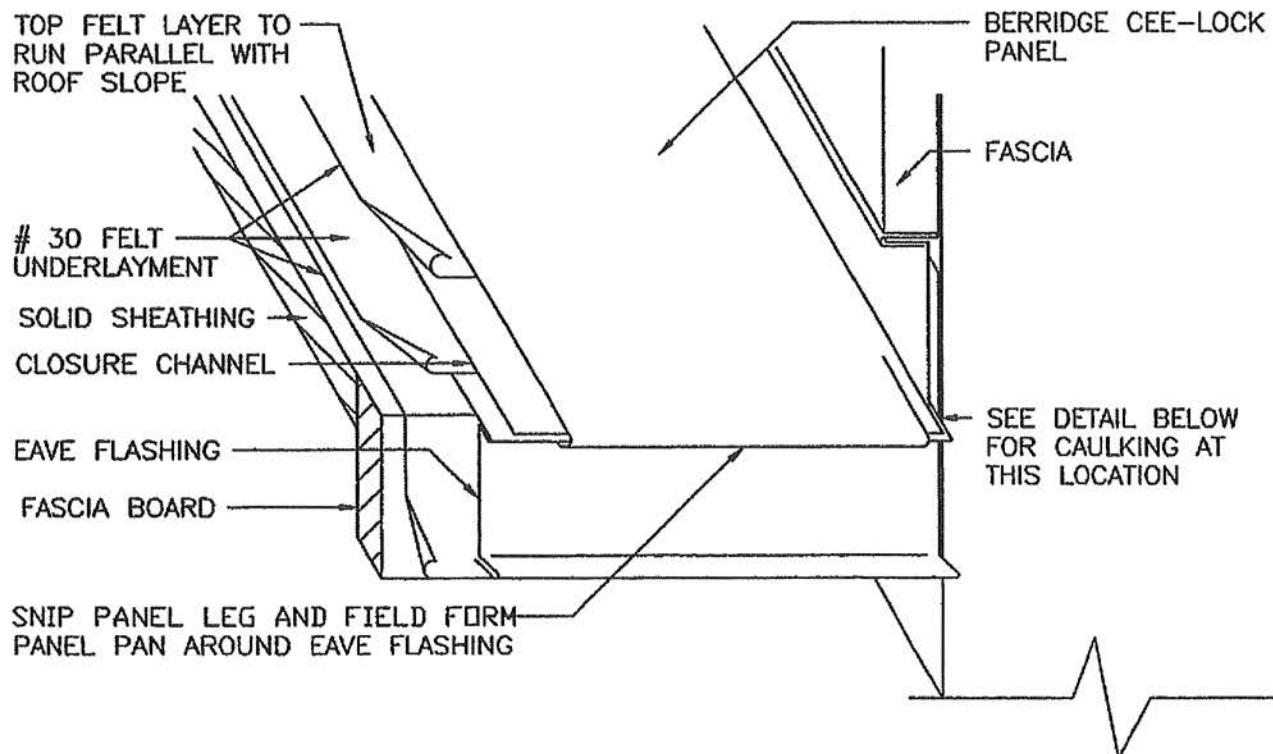
RAKE WALL DETAIL
WITH REGLET FLASHING

PAGE\FILE

CL-53

CEE-LOCK PANEL





Berridge
Manufacturing
Company

RAKE AT EAVE
USE THIS DETAIL AT RAKE DETAILS, CL-52 AND CL-53

CEE-LOCK PANEL

DATE: 05-01-97

PAGE\FILE
CL-54

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS 36"
O.C. OR CEE-LOCK CLIPS 36" O.C. WITH 2
AT EAVE

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 CEE-LOCK PANEL

SPECIAL ZEE CLOSURE; CUT
TO FIT BETWEEN PANEL SEAMS

30 FELT
UNDERLAYMENT

FASTENERS; 20" O.C.
MAX.

SOLID SHEATHING

FASTENERS; MIN. 3
PER CLOSURE

30 FELT
UNDERLAYMENT

CEE-LOCK PANEL

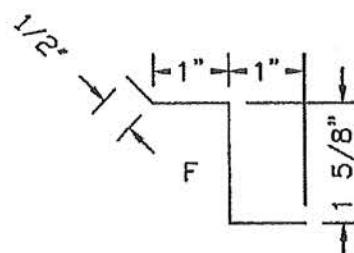
1. FIELD CUT ZEE CLOSURE TO FIT BETWEEN SEAMS OF WALL PANELS.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE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

F = FINISH SIDE

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

OPEN HEM

EAVE FLASHING



SPECIAL ZEE CLOSURE



Roofs of Distinction

Berridge
Manufacturing
Company

ROOF TO FASCIA TRANSITION
COUNTER FLASHING

CEE-LOCK PANEL

DATE: 05-01-97

PAGE\FILE
CL-60

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS 36" O.C.
OR CEE-LOCK CLIPS 36" O.C. WITH 2 AT END OF
PANEL

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 SEE
DETAIL CL-23

CAULK RIVET HEADS

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

FASTENERS; 20" O.C.
MAX.

30 FELT
UNDERLayment

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

FASTENERS; 40" O.C.
MAX.

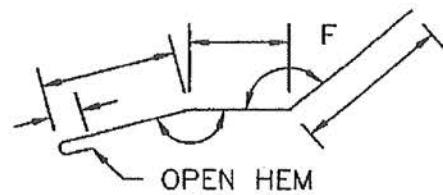
SOLID SHEATHING

FASTENERS; MIN. 3
PER CLOSURE

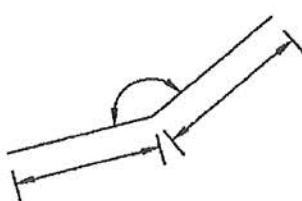
NOTE: PLACE A SMALL AMOUNT OF CAULK AT CLEAT FASTENER
LOCATION, DRIVE FASTENER, THEN CAULK FASTENER HEAD.

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

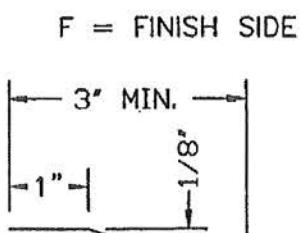
1. SEE DETAIL CL-23 FOR ZEE CLOSURE.
2. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN
STRENGTH FOR HOLDING POWER OF FASTENERS.
3. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED
AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION OF THE ARCHITECT.



TRANSITION FLASHING



SUB-FLASHING



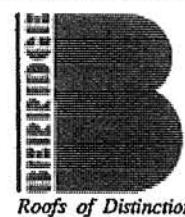
CONTINUOUS CLEAT

DATE: 08-22-05

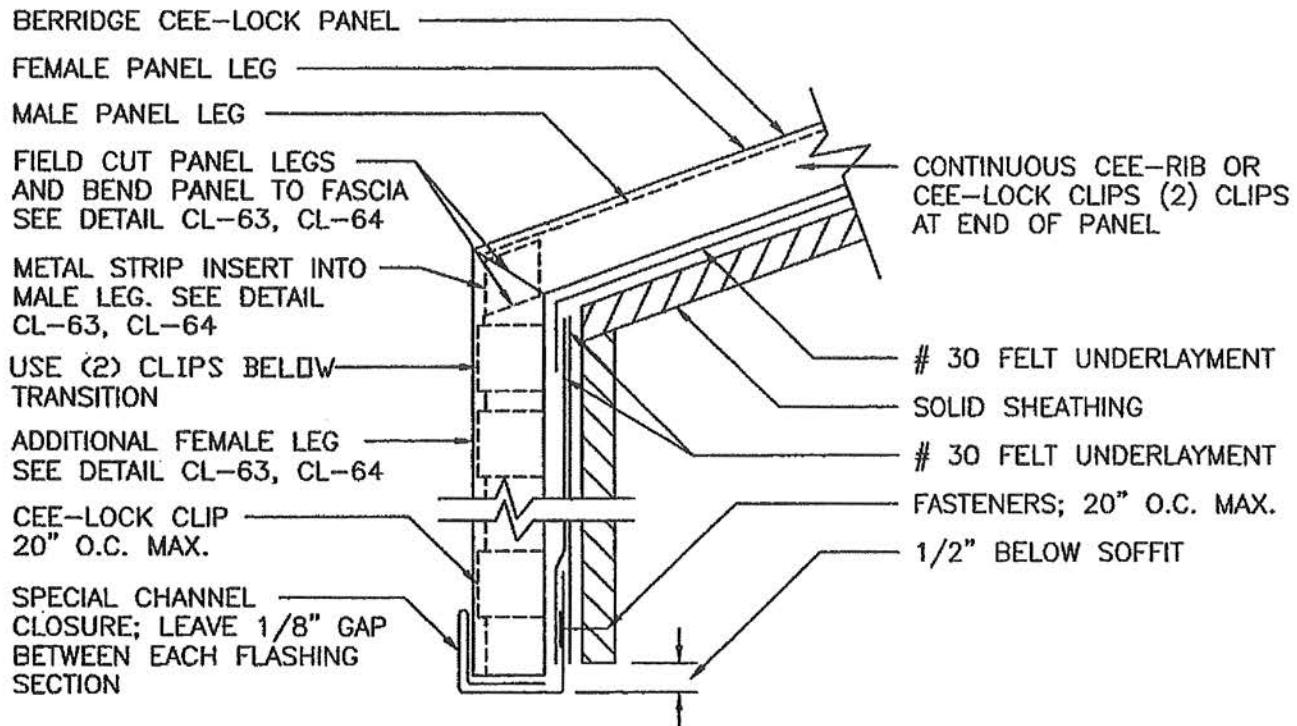
SLOPE TRANSITION DETAIL

PAGE\FILE
CL-61

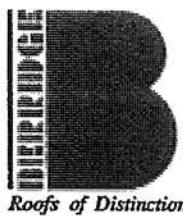
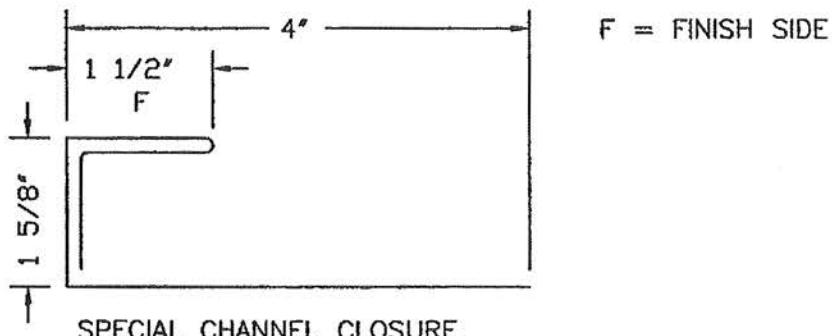
CEE-LOCK PANEL



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1. FIELD CUT LEGS AND BEND PANEL AS REQUIRED FOR CHANGE IN SLOPE FROM ROOF TO FASCIA.
2. ONLY ONE SLOPE TRANSITION PER PANEL IS RECOMMENDED.
3. SEE SLOPE TRANSITION (CL-63 AND CL-64) FOR PANEL LEG MITER AND CAULKING DETAILS.
4. IF SOLID SHEATHING (BY OTHERS) IS USED, SHEATHING MUST BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS.
5. 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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SLOPE TRANSITION
ROOF TO FASCIA
OVERVIEW
CEE-LOCK PANEL

DATE: 05-01-97

PAGE\FILE
CL-62

STEP 1
DETERMINE THE ANGLE CUT REQUIRED FOR ROOF TO FASCIA AND LENGTH OF FASCIA PANEL CUT.

(B) MEASURE DISTANCE WHERE ANGLES CROSS TO DETERMINE THE LENGTH OF ANGLE CUT

(A) PLACE 2 STRIPS OF 1 1/2" METAL ANGLE ONE ON ROOF AND ONE ON FASCIA

EAVE LINE

FASCIA

ROOF

(C) MEASURE THIS DISTANCE TO DETERMINE THE LENGTH OF FASCIA PANEL

STEP 2
WITH A MITER BOX AND HACKSAW CUT PANEL LEGS TO ANGLE REQUIRED FOR ROOF TO FASCIA TRANSITION

BERRIDGE CEE-LOCK PANEL LENGTH OF ANGLE CUT

LEGS OF PANEL

PAN OF PANEL

Y EQUALS LENGTH OF FASCIA

STEP 3
BEND PANEL TO FIT ROOF TO FASCIA. MAKE ADDITIONAL CUTS PER A AND B AND FILE BURRS.

BERRIDGE CEE-LOCK PANEL PAN OF PANEL

FEMALE LEG OF PANEL

FEMALE LEG OF ROOF PANEL

(B) CUT TOP OF FEMALE PANEL LEG OFF THE ENTIRE LENGTH OF THE FASCIA PANEL

PANEL BEND LINE

MALE LEG OF PANEL

FEMALE LEG OF FASCIA PANEL

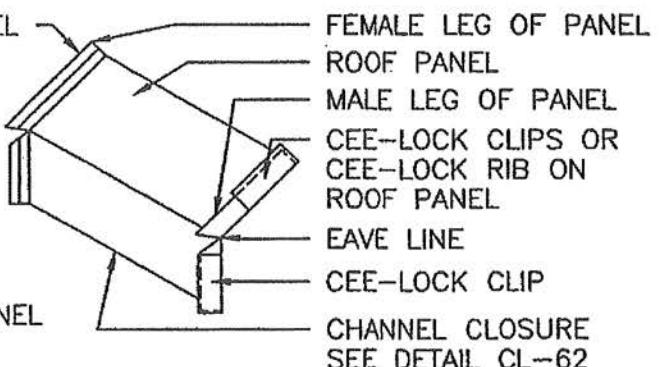
(A) SNIP FEMALE LEG OF ROOF PANEL AT THIS POINT BY 1/2" LONG

1/2"
C FILE OFF ALL BURRS AT SAW CUT EDGES

STEP 4
IN STALL SPECIAL CHANNEL CLOSURE FLASHING AT BOTTOM OF FASCIA. PLACE FASCIA PANEL INTO SPECIAL CHANNEL CLOSURE.

SECURE FASCIA PANEL TO FASCIA WITH CEE-LOCK CLIPS 20" O.C.

PLACE PANEL ON ROOF AND SECURE ROOF PANEL WITH CEE-LOCK CLIPS OR CEE-LOCK RIB.



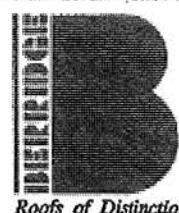
DATE: 05-01-97

SLOPE TRANSITION
ROOF TO FASCIA
INSTALLATION INSTRUCTIONS

PAGE\FILE

CL-63

CEE-LOCK PANEL



Berridge
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Company

STEP 5
FROM A FLAT SHEET OF METAL PAINTED TO MATCH THE ROOF, CUT A STRIP 1 3/8" WIDE AND LENGTH AS SHOWN IN DIAGRAM TO THE RIGHT. THIS METAL STRIP IS TO BE PLACED INTO THE MALE LEG OF THE FASCIA PANEL. SEE BELOW.

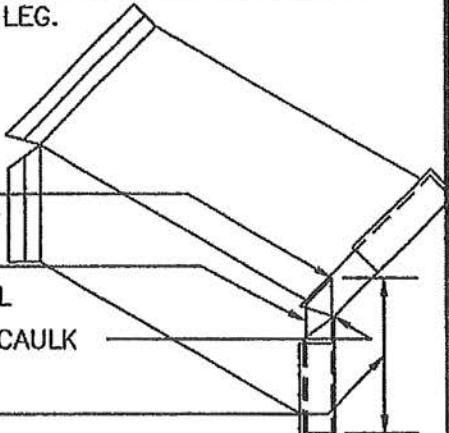
NOTE: PAINTED SIDE OF METAL STRIP ABOVE EAVE LINE IS TO FACED PRIMER SIDE OF ROOF PANEL LEG.

METAL STRIP PLACED INTO MALE LEG OF FASCIA PANEL

COLOR SIDE OF METAL STRIP

- (B) MITER CUT METAL STRIP TO MATCH SLOPE OF ROOF
- (A) SLIP METAL STRIP INTO MALE LEG OF FASCIA PANEL
- (C) PLACE SMALL AMOUNT OF CAULK AT PANEL AND EAVE LINE

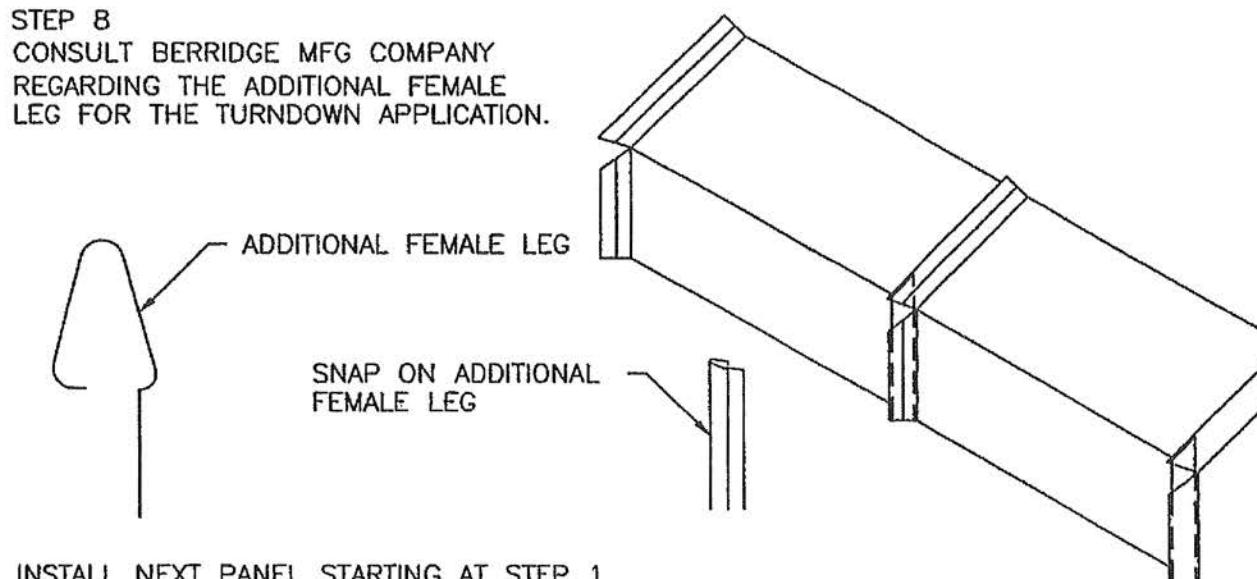
LENGTH OF METAL STRIP



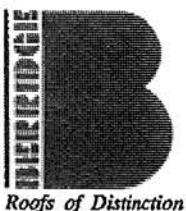
STEP 6
PREPARE ADJACENT PANEL FOR INSTALLATION FOLLOWING STEPS 1, 2, AND 3.

STEP 7
INSTALL PANEL PER STEPS 4 AND 5.

STEP 8
CONSULT BERRIDGE MFG COMPANY REGARDING THE ADDITIONAL FEMALE LEG FOR THE TURNDOWN APPLICATION.



INSTALL NEXT PANEL STARTING AT STEP 1



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SLOPE TRANSITION
ROOF TO FASCIA
INSTALLATION INSTRUCTIONS

CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE

CL-64

BERRIDGE CEE-LOCK PANEL

CONTINUOUS CEE-RIB WITH 2 FASTENERS 36" O.C. OR
CEE-LOCK CLIP 36" O.C. WITH 2 FASTENERS PER CLIP
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

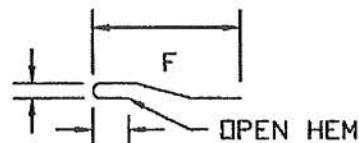
SOLID SHEATHING

30 FELT
UNDERLAYMENT

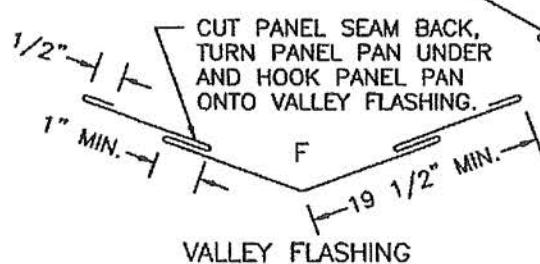
FIELD CUT PANEL SEAM AND FORM
PANEL PAN AROUND CLEAT OF
VALLEY FLASHING. DO NOT RUN
CONTINUOUS CAULK IN OR ON
CLEAT OF VALLEY FLASHING,
EXCEPT AT VALLEY FLASHING LAPS.

1. FOR EXPANSION AND CONTRACTION OF PANELS, SEE CI-7 AND CL-10
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.

F = FINISH SIDE



CONTINUOUS CLEAT



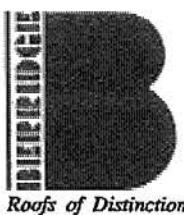
FASTEN THRU VALLEY
ONLY AT TOP OF FLASHING
UNDER LAP, NO FASTENERS
ARE TO BE EXPOSED ON
TOP (OVERLAPPING) VALLEY

12" LAP

DO NOT RUN
CAULK IN OR ON
CLEAT OF VALLEY
FLASHING

2 CONTINUOUS BEADS OF CAULK AT LAPS

VALLEY FLASHING LAP



Berridge
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Company

VALLEY DETAIL

CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE
CL-70

DO NOT RUN CONTINUOUS CAULK IN OR UNDER HOOK TAB.
EXCEPT AT VALLEY FLASHING LAPS.
SEE DETAIL CL-70.

CEE-LOCK CLIP OR
CONTINUOUS CEE-RIB

CONTINUOUS
CLEAT

CEE-LOCK PANEL

30 FELT UNDERLayment
VALLEY FLASHING
CONTINUOUS BEAD OF CAULK

CONTINUOUS CLEAT
SOLID SHEATHING

SEE DETAIL CL-70 FOR VALLEY FLASHING LAP

(2) CEE-CLIPS ABOVE VALLEY FLASHING. USE FASTENERS AT THESE CLIPS OR IF CEE-RIB START FASTENERS ABOVE VALLEY FLASHING. DO NOT USE FASTENERS THRU VALLEY FLASHING.

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

DATE: 08-22-05

VALLEY ISOMETRIC

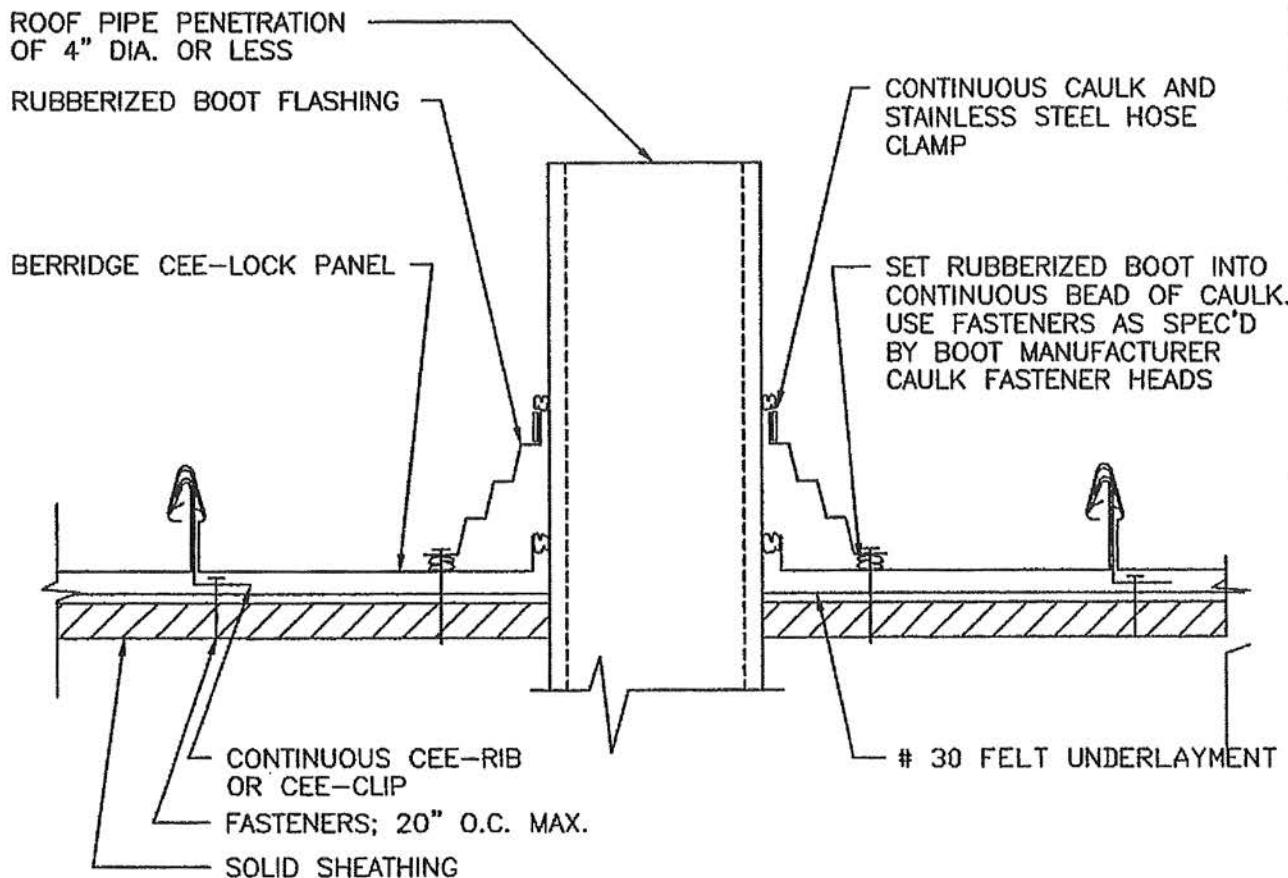
PAGE\FILE

CL-71

CEE-LOCK PANEL



Berridge
Manufacturing
Company



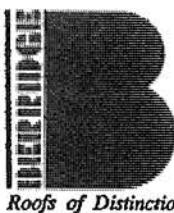
NOTE: POSITION SQUARE BASED BOOTS IN A DIAMOND ORIENTATION WHERE POSSIBLE TO AID IN DIVERTING WATER

NOTE: PIPE PENETRATION TO BE IN PAN OF PANEL ONLY

NOTE: FIELD CUT HOLE IN PANEL 1" LESS THAN DIA. OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK. CAULK CONTINUOUS.

NOTE: IF PANELS ARE 30' OR LONGER, CUT HOLE TO ALLOW FOR THERMAL MOVEMENT.

NOTE: IF PIPE IS MADE OF METAL IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS

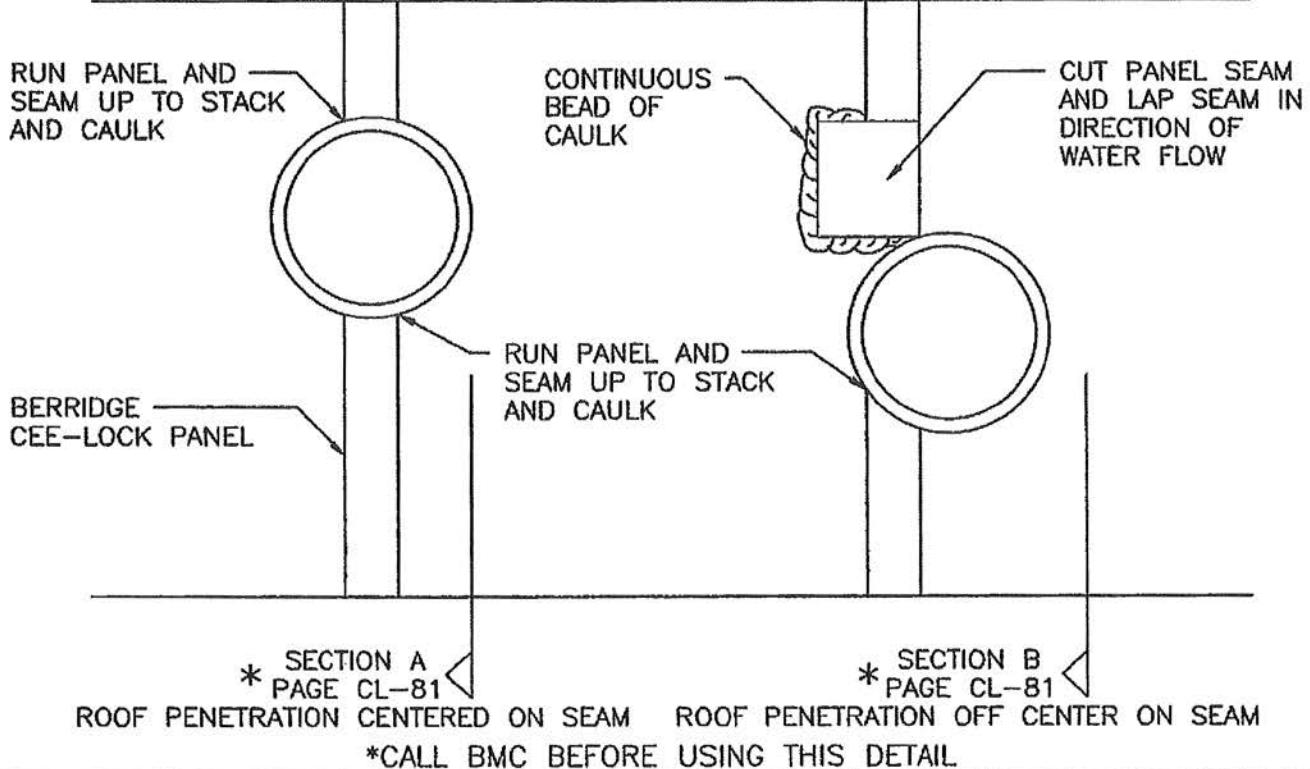


Berridge
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Company

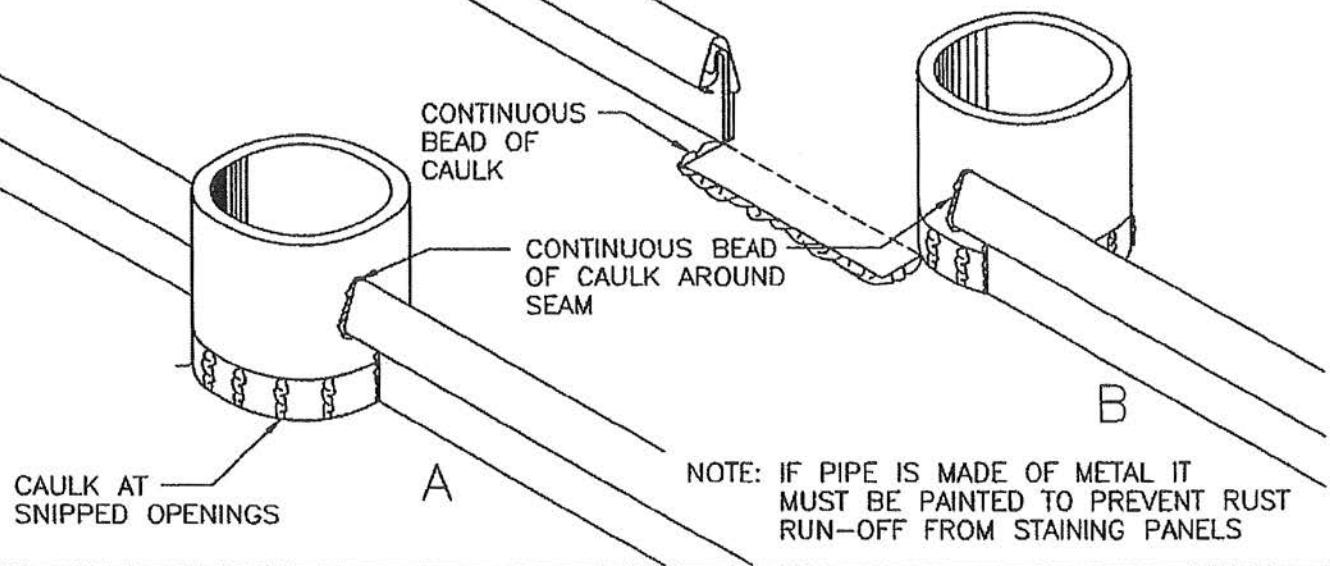
PIPE PENETRATION
(PREFERRED METHOD)
IN PAN OF PANEL; ONLY
CEE-LOCK PANEL

DATE: 08-22-05

PAGE\FILE
CL-80



NOTE: CALL BMC BEFORE USING DETAILS ON THIS PAGE.
USE ONLY IF PENETRATION OCCURS ON SEAM OR
WITHIN AREA OF PAN THAT WILL NOT ACCOMMODATE
BOOT. USE WITH SOLID SUBSTRATE ONLY.



DATE: 05-01-97

PIPE PENETRATION ON PANEL SEAM
ISOMETRIC AND PLAN VIEW;
*CALL BMC BEFORE USING THIS DETAIL

PAGE\FILE

CL-81

CEE-LOCK PANEL



Berridge
Manufacturing
Company

* SECTION A

USE THIS DETAIL WHEN STACK IS CENTERED ON SEAM

ROUND STACK; MUST BE OF MATERIAL COMPATIBLE WITH 24 GA. GALVANIZED PAINTED METAL

CUT PANEL AND BEND UP 1" AROUND STACK AND CAULK

RUN SEAM AND PANEL UP TO STACK AND CAULK

30 FELT UNDERLAYMENT

CEE-LOCK CLIPS; 2 REQ'D AT PENETRATION (IF NOT USING CONTINUOUS RIB)

24 GA. ROUND STACK FLASHING TO MATCH PANEL COLOR

RUN SEAM AND PANEL UP TO STACK AND CAULK

30 FELT UNDERLAYMENT

CEE-LOCK CLIPS; 2 REQ'D AT PENETRATION (IF NOT USING CONTINUOUS RIB)

SOLID SHEATHING

FIELD MITER PANEL LEGS AND SEAM. CUT HOLE IN PANEL 1" LESS THAN DIA. OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK.

NOTE: IF PIPE IS MADE OF METAL IT MUST BE PAINTED TO PREVENT RUST RUN-OFF FROM STAINING PANELS.

*CALL BMC BEFORE USING THIS DETAIL

* SECTION B

USE THIS DETAIL WHEN STACK IS OFF CENTER OF SEAM

ROUND STACK; MUST BE OF MATERIAL COMPATIBLE WITH 24 GA. GALVANIZED PAINTED METAL

CUT PANEL AND BEND UP 1" AROUND STACK AND CAULK

RUN SEAM AND PANEL UP TO STACK AND CAULK

CEE-LOCK CLIPS; 2 REQ'D AT PENETRATION (IF NOT USING CONTINUOUS RIB)

24 GA. ROUND STACK FLASHING TO MATCH PANEL COLOR

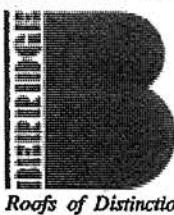
CUT PANEL SEAMS AND BEND FLAT TO PANEL. LAP ONE SEAM OVER THE OTHER (LAP TOP SEAM IN DIRECTION OF WATER FLOW)

30 FELT UNDERLAYMENT

CEE-LOCK CLIPS; 2 REQ'D AT PENETRATION (IF NOT USING CONTINUOUS RIB)

SOLID SHEATHING

FIELD CUT SEAM 2" BACK FROM STACK (ABOVE STACK). FIELD MITER SEAM BELOW STACK. CUT HOLE IN PANEL 1" LESS THAN DIA. OF STACK. BACK CUT HOLE AND BEND PANEL UP AROUND STACK.



Roofs of Distinction

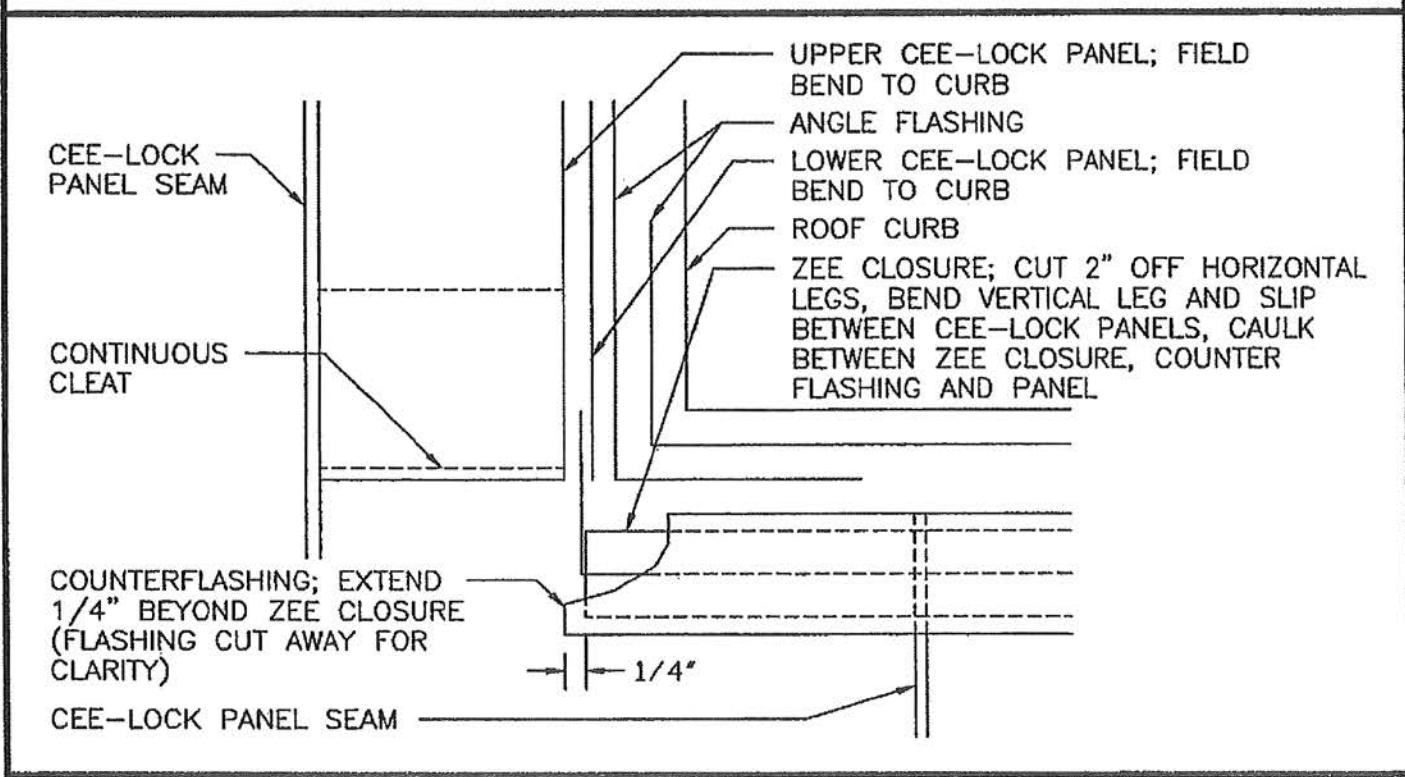
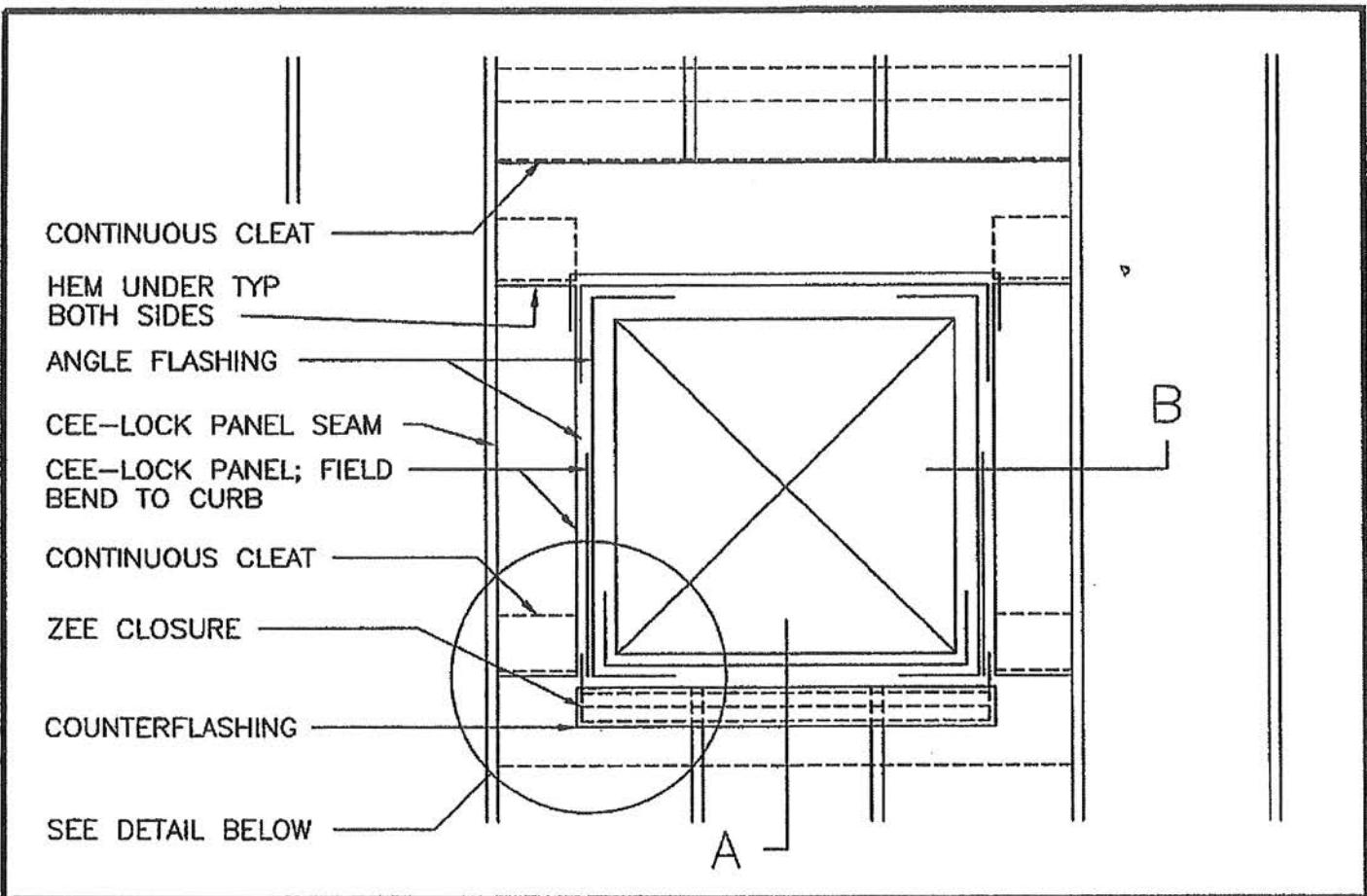
Berridge
Manufacturing
Company

PIPE PENETRATION
ON PANEL SEAM; SECTIONS
*CALL BMC BEFORE USING THIS DETAIL

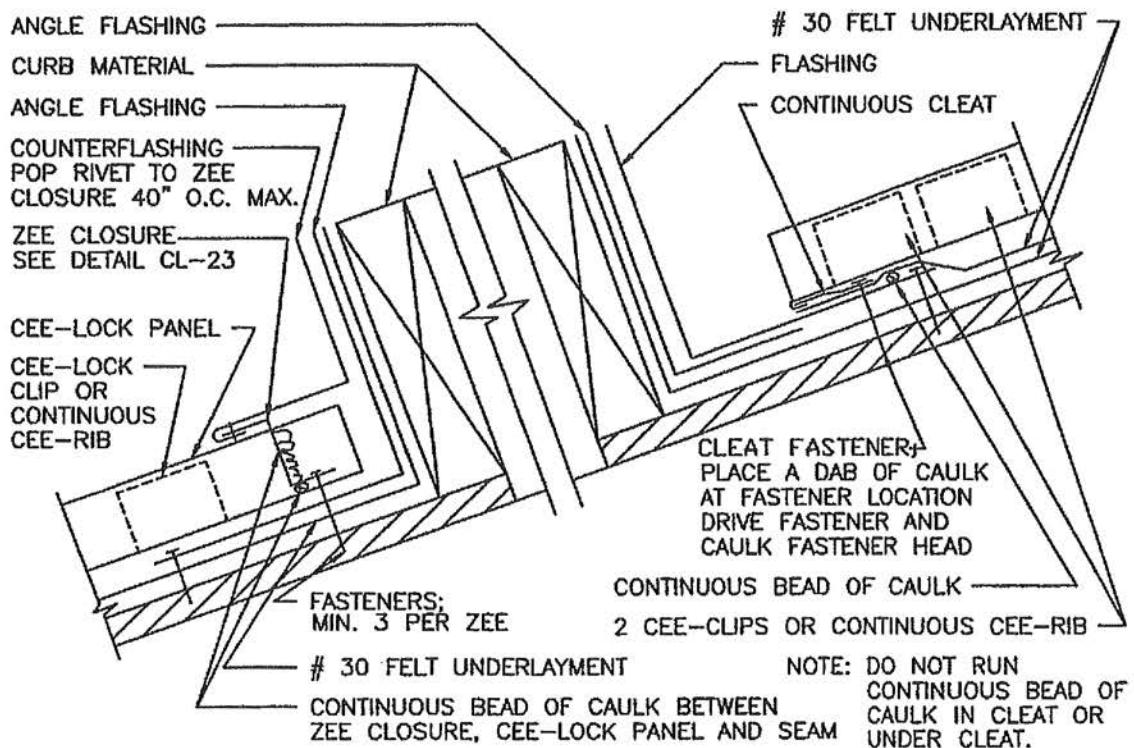
DATE: 05-01-97

PAGE\FILE
CL-82

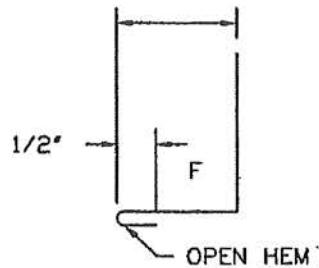
CEE-LOCK PANEL



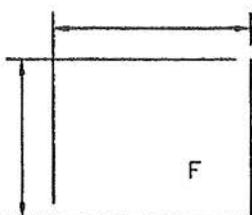
DATE: 08-22-05	SQUARE PENETRATION PLAN VIEW	 Berridge Manufacturing Company <small>Roofs of Distinction</small>
PAGE\FILE CL-83	CEE-LOCK PANEL	



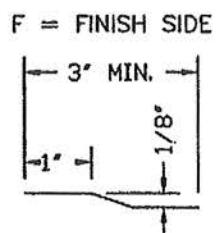
1. SOLID SHEATHING (BY OTHERS) TO BE MINIMUM 1/2" PLYWOOD OR EQUIVALENT IN STRENGTH FOR HOLDING POWER OF FASTENERS. (METAL CORRUGATED SHEATHING MAY BE USED IN LIEU OF PLYWOOD).
2. ALL FELT UNDERLAYMENT, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED AND INSTALLED BY THE ROOFING INSTALLER AT THE DISCRETION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



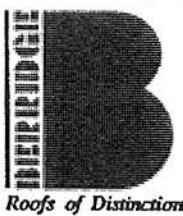
COUNTERFLASHING



ANGLE FLASHING



CONTINUOUS CLEAT



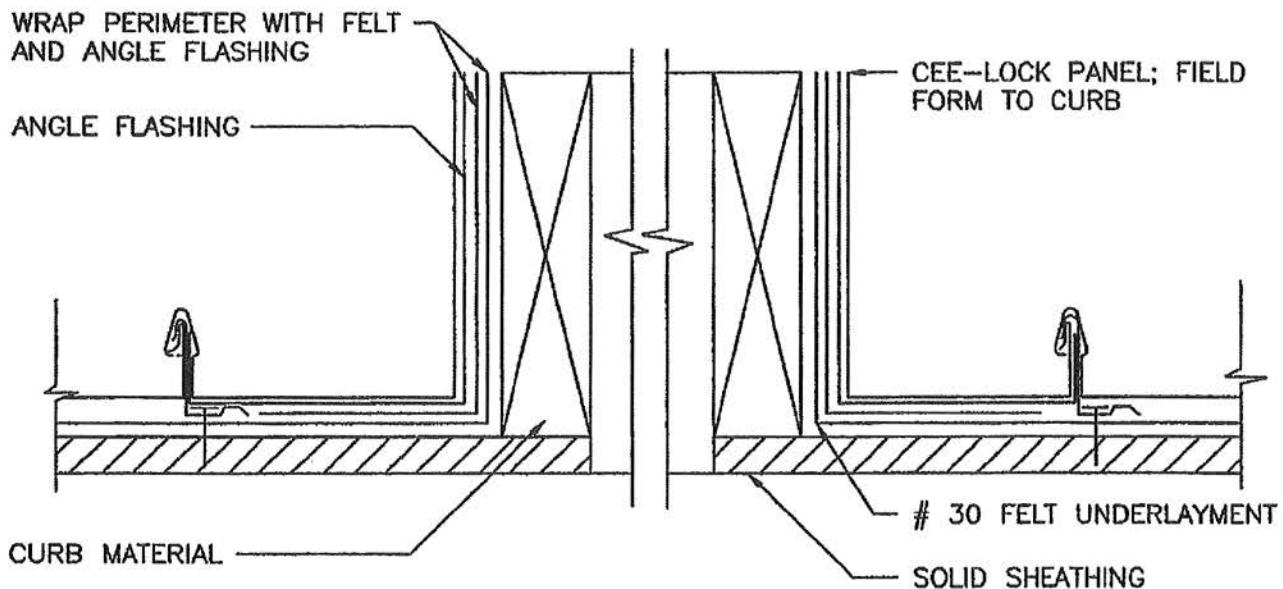
**Berridge
Manufacturing
Company**

SQUARE PENETRATION
SECTION A

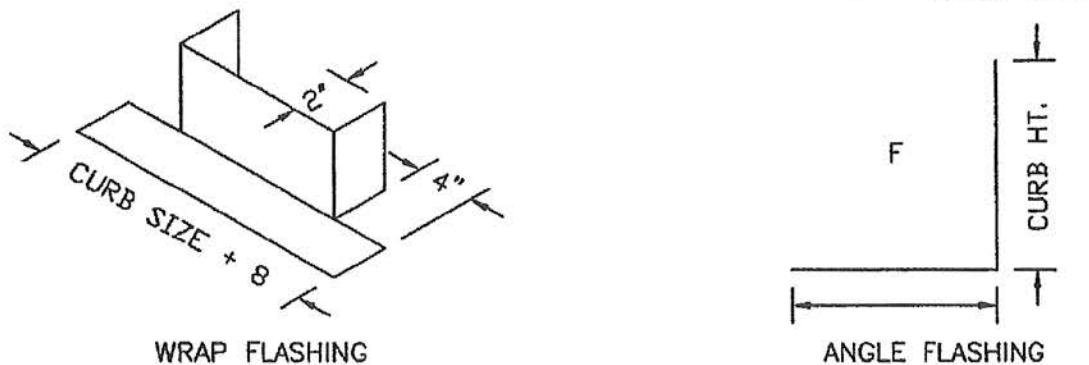
DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-84



1. 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).
2. ALL FELT UNDERLayment, CAULKING, AND FASTENERS, ARE ITEMS TO BE FURNISHED



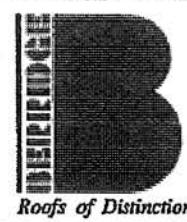
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SQUARE PENETRATION
SECTION B

PAGE\FILE

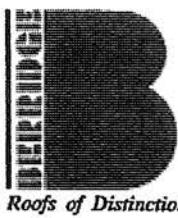
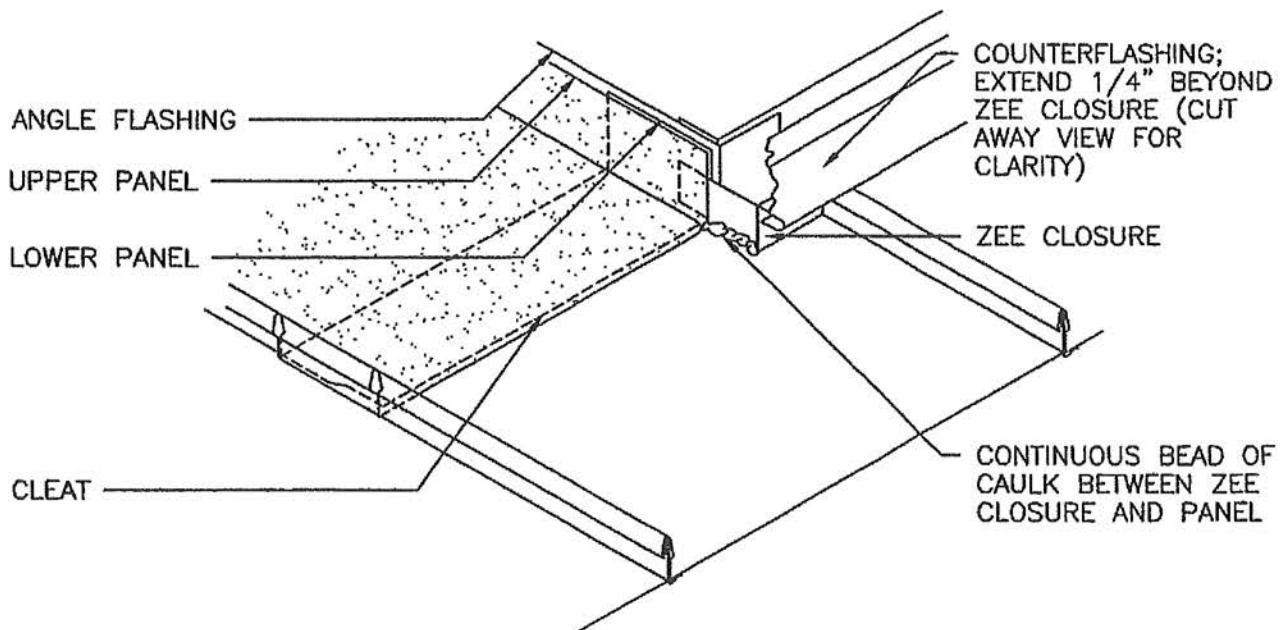
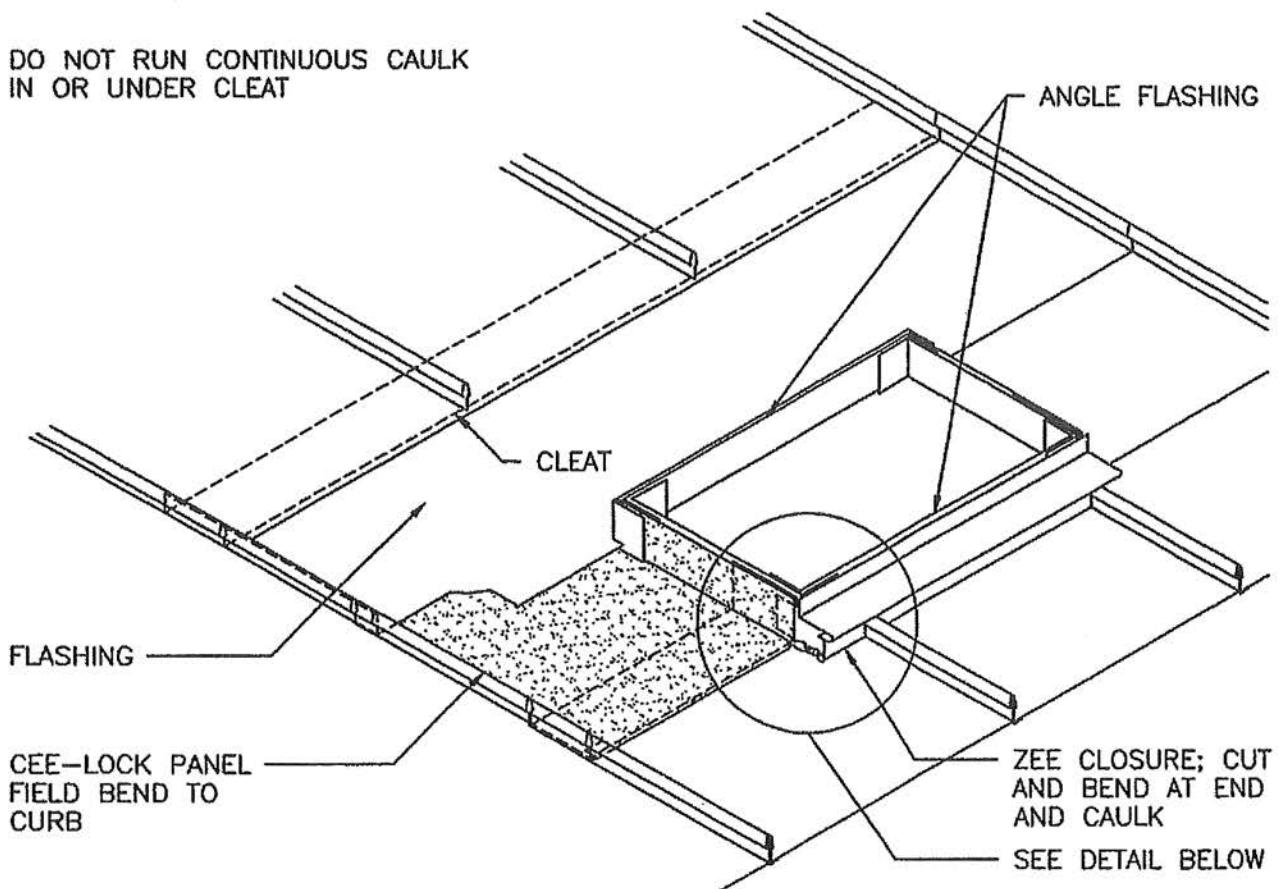
CL-85

CEE-LOCK PANEL



Berridge
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DO NOT RUN CONTINUOUS CAULK
IN OR UNDER CLEAT



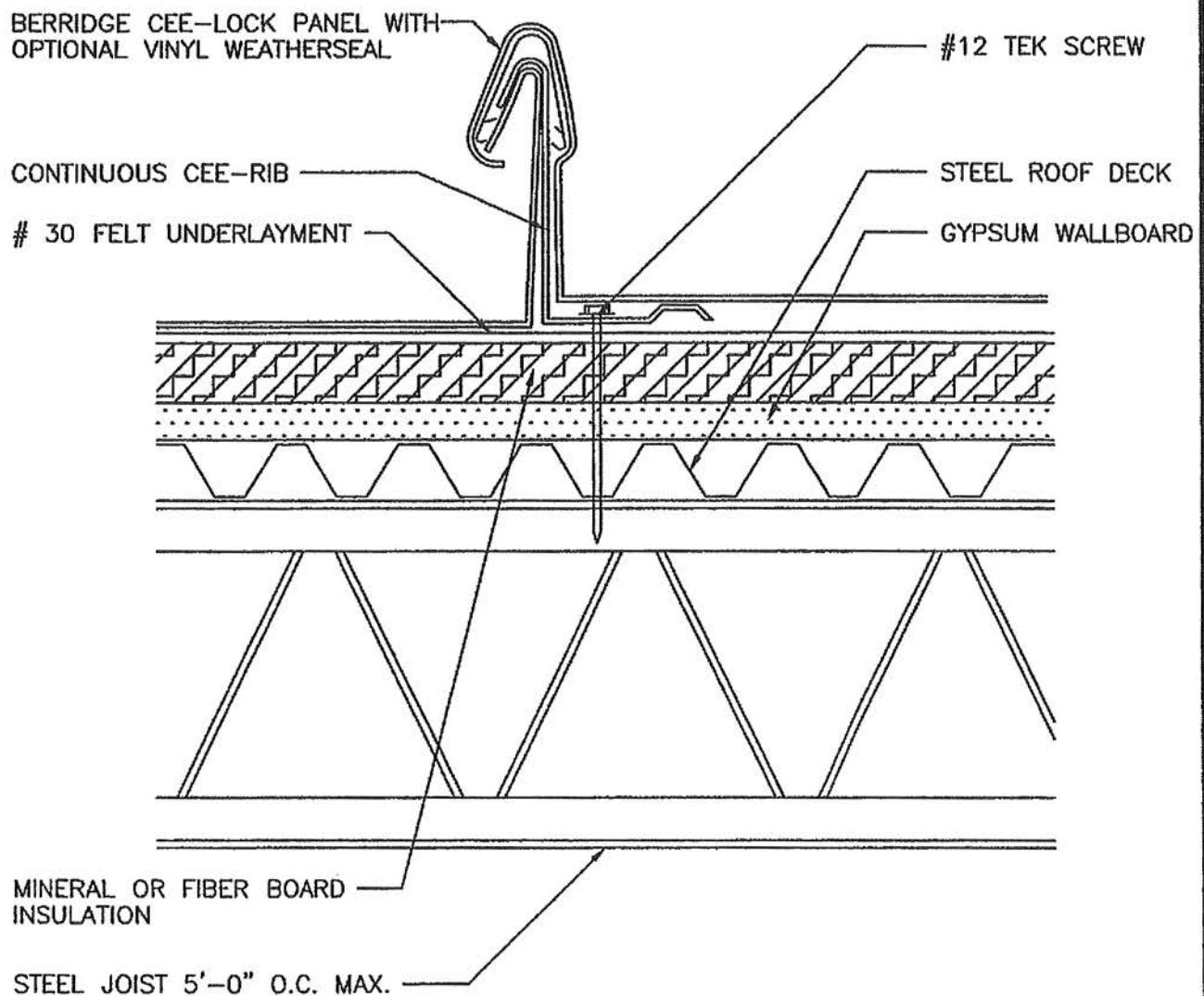
Berridge
Manufacturing
Company

SQUARE PENETRATION
ISOMETRIC

DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-86



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE CEE-LOCK PANEL, IN ORDER TO MAKE A POSITIVE ATTACHMENT, MUST BE ATTACHED TO THE STEEL DECK.
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.



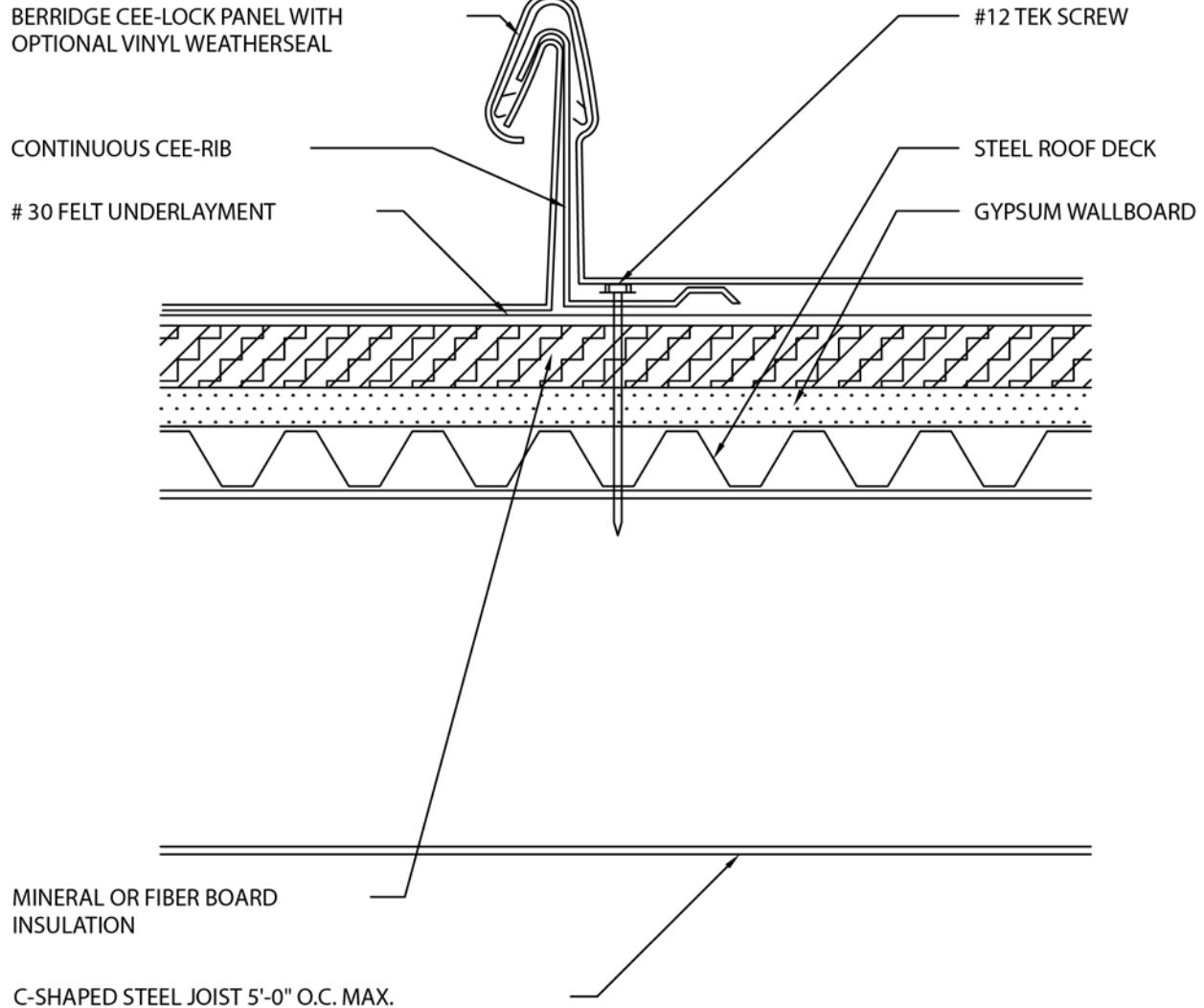
Berridge
Manufacturing
Company

UL FIRE RESISTANCE
ROOF ASSEMBLY
OPEN WEB STEEL JOIST

DATE: 08-22-05

CEE-LOCK PANEL

PAGE\FILE
CL-90



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE CEE-LOCK PANEL, IN ORDER TO MAKE A POSITIVE ATTACHMENT, MUST BE ATTACHED TO THE STEEL DECK.
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.

DATE: 08-22-05

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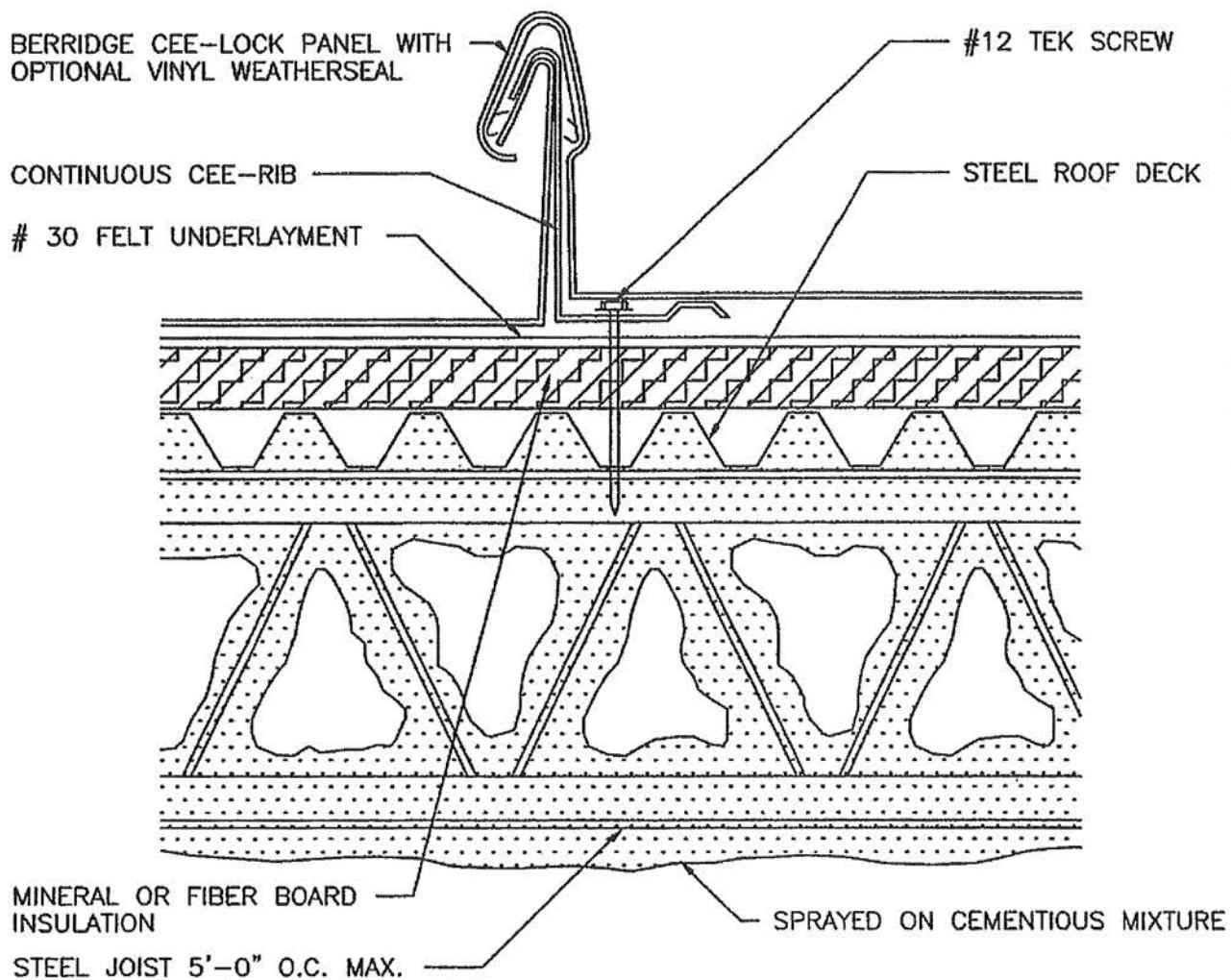
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UL FIRE RESISTANCE
ROOF ASSEMBLY
C-SHAPED STEEL JOIST

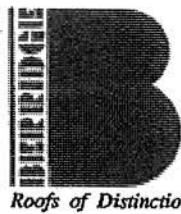
CEE-LOCK PANEL



BERRIDGE
MANUFACTURING
COMPANY



1. IN ORDER TO QUALIFY FOR A FIRE-RESISTANT RATING, THE ROOF SYSTEM CANNOT MAKE A PENETRATION IN THE INSULATION SYSTEM. THE CEE-LOCK PANEL, IN ORDER TO MAKE A POSITIVE ATTACHMENT, MUST BE ATTACHED TO THE STEEL DECK.
2. THIS ASSEMBLY QUALIFIES FOR THE FOLLOWING UL FIRE-RESISTANT ROOF ASSEMBLIES: UL DESIGN NO. P701, P711, P713, P715, P717, P814, P803, P815, P819, AND P821 ONLY USING SPRAYED ON FIBER IN LIEU OF CEMENTIOUS MIXTURE.
3. ADDITIONAL INFORMATION REGARDING THIS ASSEMBLY IS AVAILABLE IN THE UL FIRE RESISTANCE DIRECTORY.



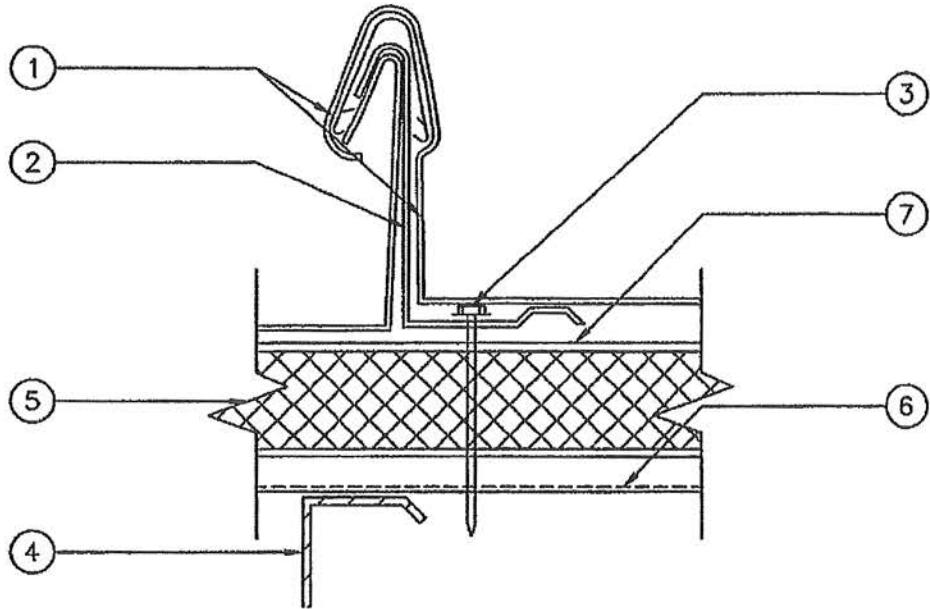
Berridge
Manufacturing
Company
Roofs of Distinction

UL FIRE RESISTANCE
ROOF ASSEMBLY
OPEN WEB STEEL JOIST WITH CEMENTIOUS
THERMAL BARRIER

DATE: 08-22-05

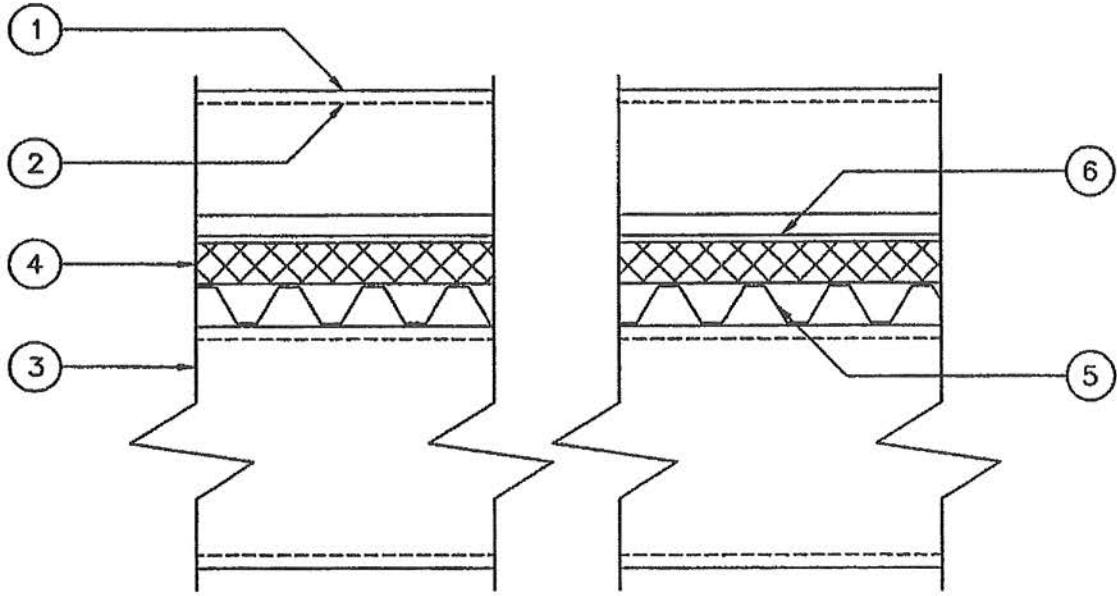
CEE-LOCK PANEL

PAGE\FILE
CL-92



1. BERRIDGE CEE-LOCK PANEL * NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
BERRIDGE MANUFACTURING CO. - CEE-LOCK PANEL
 2. BERRIDGE CEE-RIB (CONTINUOUS) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-RIB LOCATED AT EACH PANEL SIDE LAPS CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANELS" (ITEM ONE)
BERRIDGE MANUFACTURING CO. - CEE-RIB
 3. FASTENERS (SCREWS) - FOR ATTACHING "CEE-RIB" (ITEM TWO) TO LINER (ITEM 6) USE NO. 12 SELF DRILLING, SELF TAPPING STEEL SCREWS, ONE FASTENER AT 24 IN. O.C.
 4. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 4'-0" MAXIMUM SPACING.
 5. INSULATION - 4" RIGID INSULATION BOARD.
 6. TYPE "F" LINER - NO. 22 MSG (MIN. YIELD STRENGTH 33,000 PSI) STEEL, CORRUGATED LINER.
 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.

DATE: 08-22-05	UL 90 APPROVED ASSEMBLY CEE-LOCK PANEL WITH CONTINUOUS CEE-RIB AND 4" RIGID INSULATION BOARD OVER TYPE "F" 22 GA. CORRUGATED LINER AND 16 GA. PURLINS SPACED @ 4'-0" O.C. CONSTRUCTION NO. 381	 Berridge Manufacturing Company <small>Roofs of Distinction</small>
PAGE\FILE CL-93	CEE-LOCK PANEL	



1. BERRIDGE CEE-LOCK PANEL * NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
BERRIDGE MANUFACTURING CO. - CEE-LOCK PANEL
 2. BERRIDGE CEE-RIB (CONTINUOUS) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-RIB LOCATED AT EACH PANEL SIDE LAPS CONTINUOUS AND EQUAL TO LENGTH OF "METAL ROOF DECK PANEL" (ITEM ONE)
BERRIDGE MANUFACTURING CO. - CEE-RIB
 3. PURLINS - NO. 16 MSG MINIMUM STEEL (MIN. YIELD STRENGTH 50,000 PSI) 4'-0" MAXIMUM SPACING.
 4. INSULATION - 4" RIGID INSULATION BOARD.
 5. TYPE "F" LINER - NO. 22 MSG (MIN. YIELD STRENGTH 33,000 PSI) STEEL, CORRUGATED LINER.
 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.



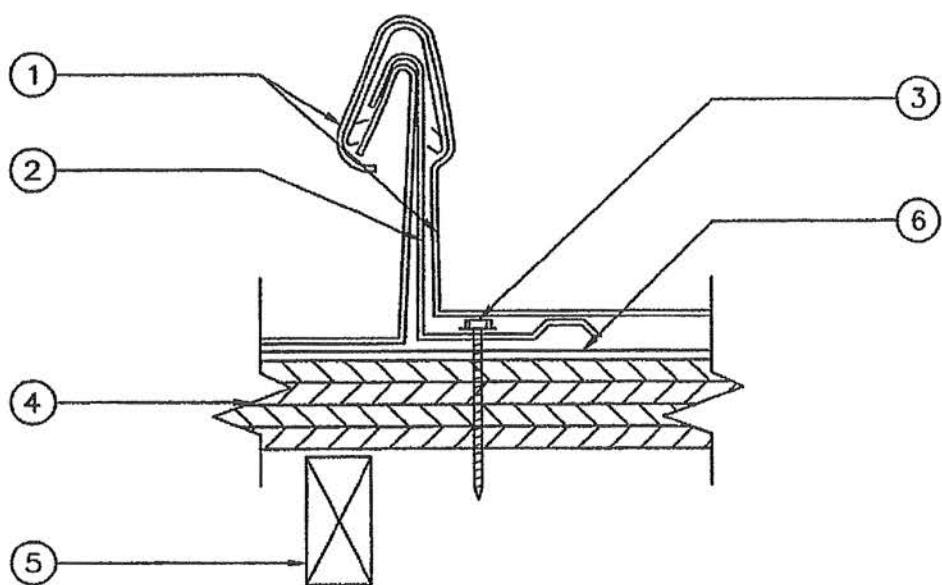
Berridge
Manufacturing
Company

UL 90 APPROVED ASSEMBLY
CEE-LOCK PANEL WITH CONTINUOUS CEE-RIB AND 4" RIGID
INSULATION BOARD OVER TYPE "F" 22 GA. CORRUGATED
LINER AND 16 GA. PURLINS SPACED @ 4'-0" O.C.
CONSTRUCTION NO. 381

DATE: 08-22-05

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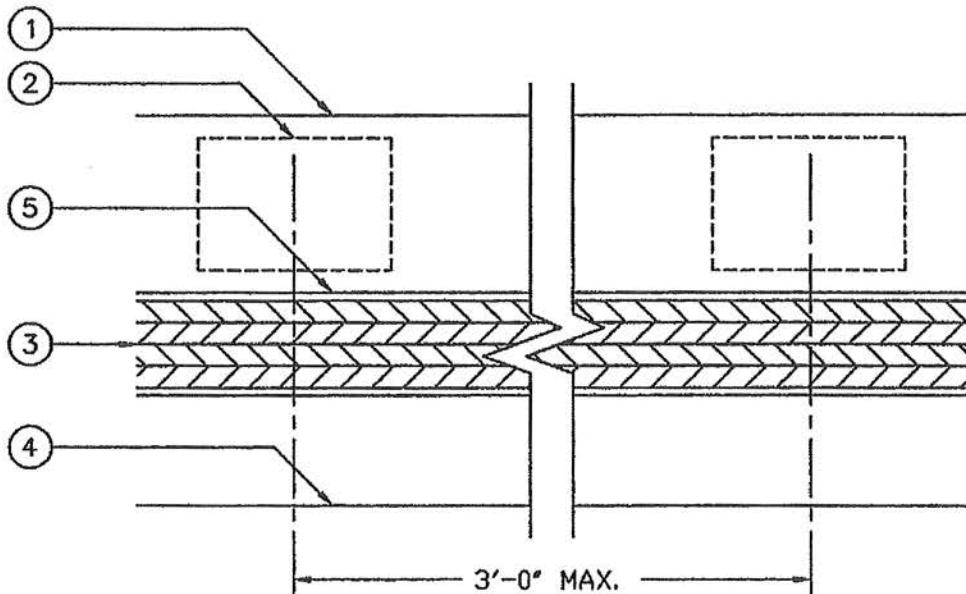
CEE-LOCK PANEL



1. BERRIDGE CEE-LOCK PANEL * NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI)
THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL
VINYL WEATHER SEAL OPTIONAL IN SEAM)
BERRIDGE MANUFACTURING CO. — CEE-LOCK PANEL
2. BERRIDGE CEE-CLIP (PANEL CLIP) — ONE PIECE ASSEMBLY FABRICATED FROM NO. 24
MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-CLIP LOCATED AT EACH
PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.
BERRIDGE MANUFACTURING CO. — CEE-CLIP
3. FASTENERS (SCREWS) — FOR ATTACHING "CEE-CLIP" (ITEM TWO) TO DECK USE
NO. 10 PANCAKE HEAD TEKS STEEL SCREWS, TWO FASTENER PER "CEE-CLIP".
4. DECK — 5/8" APA 40/20 PLYWOOD.
5. JOIST — 2" X 4" AT 2'-0" O.C. MAXIMUM WITH #12 X 2" PAN HEAD WOOD SCREW
AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
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.

DATE: 08-22-05	UL 90 APPROVED ASSEMBLY CONSTRUCTION NO. 404	 Berridge Manufacturing Company <i>Roofs of Distinction</i>
PAGE\FILE CL-95	CEE-LOCK PANEL	



1. BERRIDGE CEE-LOCK PANEL * NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN. WIDE 1 1/2 IN. HIGH. PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM) CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
BERRIDGE MANUFACTURING CO. - CEE-LOCK PANEL
2. BERRIDGE CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.
BERRIDGE MANUFACTURING CO. - CEE-CLIP
3. DECK - 5/8" APA 40/20 PLYWOOD.
4. JOIST - 2" X 4" AT 2'-0" O.C. MAXIMUM WITH #12 X 2" PAN HEAD WOOD SCREW AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS.
5. # 30 FELT UNDERLAYMENT.
6. LATERAL BRACING - (NOT SHOWN) REFER TO GENERAL INFORMATION, ROOF DECK CONSTRUCTION (BUILDING MATERIAL DIRECTORY), FOR ITEMS NOT EVALUATED.

* BEARING THE UL CLASSIFICATION MARKING.



Berridge
Manufacturing
Company

UL 90 APPROVED ASSEMBLY
CONSTRUCTION NO. 404

DATE: 08-22-05

CEE-LOCK PANEL

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