# TABLE OF CONTENTS

CF0040PE – Building Elevation ..................................................................................................3

HR3 INSULATED ROOF PANEL ..........................................................................................4

FASTENER REQUIREMENTS .................................................................................................4
  EA4000 – Roof Panel Side Lap ...........................................................................................4
  EA4021 – Panel end lap ....................................................................................................5

LOW EAVE DETAILS .............................................................................................................6
  ED4310 – Horizontal Gutter with Sculptured Rake ..........................................................6

HIGH EAVE DETAILS ..........................................................................................................7
  EH4006 – High Eave with Wall Panel ...............................................................................7
  EI4010 – High Eave (Parapet) .........................................................................................8
  EI4030 – High Eave (Parapet) at Masonry or Concrete ....................................................9
  EI4050 – High Eave (Parapet) Panel Above and Below ....................................................10
  EI4070 – High Eave (Parapet) Non-Structural .................................................................11

RAKE DETAILS .................................................................................................................12
  EE4010 – Rake (Sculptured) ...........................................................................................12
  EF4010 – Rake (Parapet) Wall Panel Above .....................................................................13
  EF4030 – Rake (Parapet) at Masonry or Concrete .........................................................14
  EF4050 – Rake (Parapet) Rafter in High Building .........................................................15
  EF4060 – Rake (Parapet) Rafter in Low Building ............................................................16

PARAPET GUTTER DETAILS ..............................................................................................17
  EK4020 – Parapet Gutter – Eave Strut .............................................................................17
  EK4040 – Parapet Gutter @ Masonry Or Concrete – Eave Strut ........................................18

RIDGE DETAILS .................................................................................................................19
  EG4010 – Ridge Condition .............................................................................................19

SR2 INSULATED ROOF PANEL .........................................................................................20

FASTENER REQUIREMENTS ..............................................................................................20
  EA5000 – Roof Panel Side Lap .......................................................................................20
  EA5021 – Roof End Lap ................................................................................................21

LOW EAVE DETAILS ...........................................................................................................22
  ED5310 – Horizontal Gutter with Sculptured Rake ........................................................22

HIGH EAVE DETAILS .........................................................................................................23
  EH5006 – High Eave with Wall Panel ............................................................................23
  EI5010 – High Eave (Parapet) .......................................................................................24
  EI5030 – High Eave (Parapet) at Masonry or Concrete ..................................................25
  EI5050 – High Eave (Parapet) Panel Above and Below ..................................................26
  EI5070 – High Eave (Parapet) Non-Structural .................................................................27

RAKE DETAILS ..................................................................................................................28
  EE5010 – Rake (Sculptured) ..........................................................................................28
  EF5010 – Rake (Parapet) Wall Panel Above ...................................................................29
  EF5030 – Rake (Parapet) at Masonry or Concrete .........................................................30
EF5050 – Rake (Parapet) Rafter in High Building ................................................................. 31
EF5060 – Rake (Parapet) Rafter in Low Building ............................................................... 32

PARAPET GUTTER DETAILS .................................................................................................. 33
EK5020 – Parapet Gutter – Eave Strut .................................................................................. 33
EK5040 – Parapet Gutter @ Masonry or Concrete – Eave Strut ........................................... 34

RIDGE DETAILS .................................................................................................................... 35
EG5010 – Ridge Condition .................................................................................................... 35
HR3 INSULATED ROOF PANEL
FASTENER REQUIREMENTS
EA4000 – ROOF PANEL SIDE LAP

"SW-01" SADDLE WASHER W/
1/4 – 14 TEK 3 FASTENER W/
WASHER INTO SUPPORT MEMBER
AT EACH HI RIB

1/2" X 3/32" H3010
BUTYL TAPE MASTIC

SECONDARY MEMBER

ROOF INSTALLATION DIRECTION

ROOF PANEL JOINT (SECTION VIEW)

HR3 INSULATED ROOF PANEL
EA4000
EA4021 – PANEL END LAP

ERECTOR NOTE: FIELD DRILL/NOTCH LAP ANGLE AT PURLIN LAP BOLTS AND PURLIN BRACING AS REQUIRED

HR3 INSULATED PANEL ENDLAP
HIGH EAVE DETAILS
EH4006 – HIGH EAVE WITH WALL PANEL

FIELD FILL W/ COMPRRESSIBLE OR SPRAY IN PLACE INSULATION

HEA__ HIGH EAVE TRIM

H1060 @ 12" O.C.

HR3 OUTSIDE CLOSURE STRIP SET IN H3010 TAPE MASTIC TOP AND BOTTOM

H1050 @ 5" O.C.

HRC-03 METAL CLOSURE W/ H1050 @ 5" O.C. & H3010 TAPE MASTIC

"SW–01" SADDLE WASHER W/ 1/4 – 14 TEK 3 FASTENER W/ WASHER PER RIB

HIGH EAVE GIRT SHOWN FOR REFERENCE ONLY. MEMBER MAY VARY. SEE ROOF FRAMING PLAN.

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 X 2 SDHH</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 X 4 SDHH</td>
</tr>
</tbody>
</table>

HIGH SIDE EAVE

HR3 INSULATED ROOF PANEL
SEE INSULATED WALL PANEL ERECTION NOTES FOR ASSEMBLY METHOD
EI4010 – HIGH EAVE (PARAPET)

* FIELD OR FACTORY APPLIED BUTYL CAULK AT VERTICAL JOINT (CONTINUOUS 3/8” BEAD)

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

DETAIL NAME IF APPLICABLE

EI4010.DWG

(2) HIDDEN JOINT FASTENERS w/WASHER MK# WC-01 TYPICAL
MARRY BUTYL CAULK TO TOP OF TRANSITION TRIM LOCATION AT VERTICAL JOINT.
BSI01 BASE TRIM W/ H1060 12” O.C.
HTI___ TRANSITION TRIM W/ H1050 @ 5” O.C.
HR3 OUTSIDE CLOSURE STRIP WITH H3010 TAPE MASTIC AT (TOP AND BOTTOM)
HRC–03 METAL CLOSURE W/ H1050 @ 5” O.C. & H3010 TAPE MASTIC TOP AND BOTTOM

"SW–01" SADDLE WASHER W/ 1/4 – 14 TEK 3 FASTENER W/ WASHER

SECONDARY FRAMING

HPI__ CAP TRIM W/ H1060 @ 12” O.C.
BUTYL TUBE CAULK H3151

HIGH EAVE HEIGHT

* ENSURE CAULK IS CONTINUOUS. IF NO CAULK IS PRESENT OR IF CAULK IS NOT CONTINUOUS, FIELD APPLY CONTINUOUS CAULK MK# H3151

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>#14 X 2 SDHH</td>
</tr>
<tr>
<td>2 1/2”</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>3”</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>4”</td>
<td>#14 X 4 SDHH</td>
</tr>
</tbody>
</table>

HIGH EAVE PARAPET DETAIL

HR3 INSULATED PANEL

ROOF PANEL THICKNESS

<table>
<thead>
<tr>
<th>DIM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2”</td>
</tr>
<tr>
<td>4”</td>
</tr>
<tr>
<td>5”</td>
</tr>
<tr>
<td>6”</td>
</tr>
</tbody>
</table>
EI4030 – HIGH EAVE (PARAPET) AT MASONRY OR CONCRETE

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

COUNTERFLASH (NOT BY NUCOR)
1/2" H3010 TAPE MASTIC
FASTENER BY OTHERS @ 12" O.C.

HTI TRANSITION TRIM W/ H1050 @ 5" O.C.

MASONRY WALL BY OTHERS
FIELD FILL WITH LOOSE INSULATION
BUTYL TUBE CAULK H3151 IN (2) PLACES

CTA01 TRIM W/ H1060 @ 12" O.C. BUTT UP AGAINST MASONRY WALL AS REQ'D.

HR3 OUTSIDE CLOSURE STRIP WITH H3010 TAPE MASTIC AT TOP AND BOTTOM
HRC-03 METAL CLOSURE W/ H1050 @ 5" O.C. & H3010 TAPE MASTIC TOP AND BOTTOM

"SW-01" SADDLE WASHER W/ 1/4 – 14 TEK 3 FASTENER W/ WASHER

SECONDARY FRAMING

ENLARGED VIEW 1/2" MIN

1/2" H1060

HIGH EAVE PARAPET DETAIL
HR3 INSULATED PANEL AT MASONRY WALL

EI4030

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
EI4030.DWG

11.8.9
EI4050 – HIGH EAVE (PARAPET) PANEL ABOVE AND BELOW

**Panel Thickness** | **Hidden Fastener** |
---|---|
2” | #14 x 2 5DH |
2 1/2” | #14 x 3 5DH or H |
3” | #14 x 3 5DH or H |
4” | #14 x 4 5DH or H |

**Fastening Schedule** will vary depending on specific application.

- **Field or Factory Applied**
  - Butyl caulk at vertical joint (continuous 3/8” bead)
  - Butyl caulk mL H3151 (continuous)

- **Trim HP01** W/ H1020 @ 12” O.C.
- **HR3 Outside Closure Strip** with H3010 tape mastic at top and bottom
- **HR3-03 Metal Closure** W/ H1050 @ 2” O.C. & H3010 tape mastic top and bottom
- **Butyl Tube Caulk** H3151 in (2) places
- **H1060** @ 12” O.C.
- **Butyl Tube Caulk H3151 in (2) Places**

- **Ensure Caulk is Continuous.** If no caulk is present or if caulk is not continuous, field apply continuous caulk mL H3151

- **5w-01 Saddle Washer** W/ 1/4 – 14 Tek 3 fastener W/ WASHER
- **CTA01 Trim** W/ H1060 @ 12” O.C. Butt up against wall panel as req’d.

**HIGH EAVE PARAPET DETAIL**
**WALL PANEL ABOVE AND BELOW**

**HR3 Insulated Panel**

**EI4050.DWG**

**LAST REVISION**
**DATE:** 02/16/15
**BY: AK CHK: EGB**

**DETAIL NAME IF APPLICABLE**

**EI4050.DWG**

**11.8.10**
RAKE DETAILS
EE4010 – RAKE (SCULPTURED)

NOTE: ROOF PANEL SHOULD EXTEND TO OUTSIDE EDGE OF WALL PANEL

2 1/4” TAPE MASTIC H3020 BETWEEN TRIM & INSULATED METAL ROOF PANEL HR3

FIELD CUT OVERLAP HI RIB AS REQUIRED

RAKE TRIM RTA

COMPRESSABLE OR SPRAY IN PLACE INSULATION BY OTHERS

H1060 @ 12” O.C.

INSULATED METAL PANEL

(2) HIDDEN JOINT FASTENERS w/WASHER MK# WC–01 TYPICAL

2” #14 X 2 SDHH
2 1/2” #14 X 3 SDHH
3” #14 X 3 SDHH
4” #14 X 4 SDHH

PANEL THICKNESS HIDDEN FASTENER

"SW–01" SADDLE WASHER W/
1/4 – 14 TEK 3 FASTENER W/
WASHER INTO SUPPORT MEMBER

H3010 TAPE MASTIC

H1050 @ 4” O.C.

BUTYL SEALANT H3151

(2) 1/4 – 14 TEK 3 FASTENER W/
WASHER AT EACH PURLIN AND (1) @
1/3 POINTS BETWEEN PURLINS

BUTYL SEALANT H3151

RAKE ANGLE MAR01 WITH (1)
H1220 FASTENER AT EACH SUPPORT

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

SCULPTURED RAKE DETAIL

INSULATED METAL PANEL
SEE INSULATED WALL SHEETING DETAILS FOR ASSEMBLY METHOD EE4010

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
EE4010.DWG

11.8.12
EF4010 – RAKE (PARAPET) WALL PANEL ABOVE

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE HR3 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

---

DETAIL "A"

---

RAKE PARAPET DETAIL

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 x 2 SDMM</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 x 3 SDMM</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 x 3 SDMM</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 x 4 SDMM</td>
</tr>
</tbody>
</table>

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION
EF4030 – RAKE (PARAPET) AT MASONRY OR CONCRETE

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ABBEVE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE HR3 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

RAKE PARAPET TRIM - IMPORTANT NOTE: THIS TRIM IS DESIGNED WITH A 90° BEND AS SHOWN TO ALLOW "POSITIVE DRAINAGE" ONTO THE ROOF PANEL.
EF4050 – RAKE (PARAPET) RAFTER IN HIGH BUILDING

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW
EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE “POSITIVE DRAINAGE” ONTO
THE ROOF. THIS IS TO HELP ALELVATE THE POSSIBILITY OF WATER PONDING
ON THE TRIM. SEE DETAIL “A” BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4” ON CENTER,
REFER TO THE HR3 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION
AND DETAILS.

DETAIL “A”

RAKE PARAPET DETAIL
RAFTER IN HIGH BUILDING, “HR3” ROOF
SEE INSULATED WALL PANEL SHEETING ERECTION NOTES

EF4050
EF4060 – RAKE (PARAPET) RAFTER IN LOW BUILDING

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE “POSITIVE DRAINAGE” ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE HR3 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

DETAIL "A"

16 GAUGE RAKE PARAPET ANGLE (L.L.V.)

RAKE PARAPET TRIM IMPORTANT NOTE:
DESIGNED WITH A 95° BEND AS SHOWN TO ALLOW "POSITIVE DRAINAGE" ONTO THE ROOF PANEL.

Rake Parapet Detail

RAKE PARAPET DETAIL
RAFTER IN LOW BUILDING, "HR3" ROOF
SEE INSULATED WALL PANEL SHEETING ERECTION NOTES

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 x 2 SECMH</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 x 3 SECMH</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 x 3 SECMH</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 x 4 SECMH</td>
</tr>
</tbody>
</table>

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
EF4060

EF4060.DWG

11.8.16
**PARAPET GUTTER DETAILS**

**EK4020 – PARAPET GUTTER – EAVE STRUT**

**Back Panel**

**Inside Panel Closure**
- Accent Panel H3430
- Classic Panel H3410
- Reverse Classic H3400 (with 3/4” tape mastic top and bottom—H3000)

**Parapet Gutter**
- Mk. PGB01

**Field Line**
- W/ bituminous materials (N.I.C.) (install before the roof panels are installed)

**Outlet and Downspout**
- (N.I.C.)

**Hi Rib Closure Strip**
- W/ 1 1/2” x 3/32” Butyl tape mastic H3001 between roof panel and angle

**“SW–01” Saddle Washer**
- W/ 1/4–14 Tek 3 fastener w/ washer per rib
- (1) 1/4–14 Tek 3 fastener w/ washer evenly spaced between 20” ribs

**H1220 12” O.C. @**
- Rev. purlin, (1) each end @ eave strut

**H3151 Perimeter Caulk**

**Eave Strut Shown**
- For reference only. member may vary. see roof framing plan.

**Parapet Gutter Detail**

"HR3" Roof

See wall sheeting erection notes for wall panel fastener locations

**EK4020**
EK4040 – PARAPET GUTTER @ MASONRY OR CONCRETE – EAVE STRUT

HI RIB CLOSURE STRIP W/ 1 1/2" X 3/32" BUTYL TAPE MASTIC H3001 BETWEEN ROOF PANEL AND ANGLE

COUNTER FLASH (NOT BY N.B.S.)

MASONRY FASTENER (NOT BY N.B.S.)

A.F.F.

CONTINUOUS SUPPORT ANGLE MK. MAR02

PARAPET GUTTER MK. PGB01

FIELD LINE W/BITUMINOUS MATERIALS (N.I.C.) (INSTALL BEFORE THE ROOF PANELS ARE INSTALLED)

OUTLET AND DOWNSPOUT (N.I.C.)

“SW–01” SADDLE WASHER W/ 1/4–14 TEK 3 FASTENER W/ WASHER PER RIB

(1) 1/4–14 TEK 3 FASTENER W/ WASHER EVENLY SPACED BETWEEN 20” RIBS

H1220 12” O.C. @ REV. PURLIN, (1) EACH END @ EAVE STRUT

H3151 PERIMETER CAULK

THICKNESS VARIES

EAVE STRUT SHOWN FOR REFERENCE ONLY. MEMBER MAY VARY. SEE ROOF FRAMING PLAN.

PARAPET GUTTER DETAIL

"HR3" ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EK4040.DWG
RIDGE DETAILS
EG4010 – RIDGE CONDITION

ENLARGED VIEW

1/2'' MIN

OF RIDGE SYMMETRICAL ABOUT

RGG__ RIDGE CAP

SECOND ROW OF FOAM CLOSURES FOR ALASKA PROJECTS ONLY

H1050 @ 5'' O.C.

HRC-03 METAL CLOSURE W/ H1050 @ 5'' O.C. & H3010 TAPE MASTIC

H3151 TUBE CAULK AS REQ'D

RG1__ INSIDE RIDGE TRIM W/ H1060 @ 12'' O.C.

"SW-01" SADDLE WASHER W/ 1/4 - 14 TEK 3 FASTENER W/ WASHER

HR3 OUTSIDE CLOSURE STRIP WITH H3010 TAPE MASTIC AT TOP AND BOTTOM

FIELD FILL W/ COMPRESSIBLE OR SPRAY IN PLACE INSULATION

NOTE: FIELD LOCATE (1) "SW-01" SADDLE WASHER CLIP ASSEMBLY AT EVERY HIGH RIB.

RIDGE DETAIL
HR3 INSULATED PANEL
NOTE: **DO NOT OVER DRIVE FASTENERS.** IF THE METAL AT THE EDGE OF THE PANEL IS DEFORMED OUT OF PLANE, THE ADJACENT PANEL WILL BE DIFFICULT TO ENGAGE AND WILL NOT SEAM.

---

**FIELD APPLIED 3/8” BEAD OF H3151 BUTYL SEALANT IN CLIP TAB**

**CONTINUOUS 3/8” BEAD OF H3151 BUTYL SEALANT. MAY BE FACTORY OR FIELD APPLIED**

**3/8” CONTINUOUS BEAD OF H3151 BUTYL SEALANT. MAY BE FACTORY OR FIELD APPLIED**

**SR2 ROOF PANEL CLIP W/ (2) 1/4 - 14 x 2” TEK 3 W/O WASHER AT EACH SECONDARY SUPPORT**

**FACTORY APPLIED FOAM GASKET AT UNDERSIDE OF STANDING SEAM ROOF CLIP**

**ROOF INSTALLATION DIRECTION**

---

**STANDING SEAM ROOF PANEL JOINT**

(SECTION VIEW)

SR2 INSULATED ROOF PANEL

---

**EA5000 DWG**

---

**LAST REVISION DATE:** 02/16/15  
**BY:** AK  **CHK:** EGB  
**DETAIL NAME IF APPLICABLE:**  
**11.8.20**
EA5021 – ROOF END LAP

NOTE: DO NOT OVER DRIVE FASTENERS. IF THE METAL AT THE EDGE OF THE PANEL IS DEFORMED OUT OF PLANE, THE ADJACENT PANEL WILL BE DIFFICULT TO ENGAGE AND WILL NOT SEAM. AFTER SR CLIPS AT THE PANEL LAP AREA HAVE BEEN INSTALLED IN PLACE OVER MALE LEG OF STRING SEAM PANEAL, PRE-CRIMP USING HAND CRIMPING TOOL SUPPLIED WITH THE INSULATED METAL PANEL ACCESSORIES. IT IS RECOMMENDED TO CRIMP CLIP TO MALE RIB USING CRIMPER SUPPLIED WITH IMP ACCESSORIES BEFORE INSTALLING THE NEXT PANEL.

FIELD NOTCH 6" OF MALE LEG OFF OVER LAPPED LOWER ROOF PANEL, TO ALLOW PROPER NESTING OF UPPER PANELS

H1055 AT 2 1/2" O.C. AT LAP

(1) 1/2" BEAD OF H3151 BUTYL CAULK

SEE ERECTION MANUAL FOR CAULKING OF PERIMETER PANEL RIBS, CLIPS AND SIDELAPs

ERECTOR NOTE: FIELD DRILL/NOTCH LAP ANGLE AT PURLIN LAP BOLTS AND PURLIN BRACING AS REQUIRED

45° ROOF PANEL

SECTION A

SR2 INSULATED PANEL ENDLAP

SR2 INSULATED ROOF PANEL

EA5021

FM PROJECTS DO NOT REQUIRE ADDITIONAL FAST. AT THE PANEL CLIPS. (2) FAST. PER CLIP IS ACCEPTABLE FOR FM RATED ROOF SYSTEM AT THIS CONDITION.

(2) BEADS OF H3151 BUTYL CAULK WITH CONNECTING BEADS ON EACH END

H1020 FASTENERS
LOW EAVE DETAILS
ED5310 – HORIZONTAL GUTTER WITH SCULPTURED RAKE

Note: All materials shall be new and of first choice. The materials listed shall be available in the area.

Details
- Roof panel: 1 1/2" x 3 1/2"
- Gutter: 1 1/2" x 1 1/2"
- Fasteners: 10-24 x 1/2" screws
- Tape: 150' of 2" x 3/4" tape
- Rake: 1 1/2" x 1 1/2"
- Brackets: 1 1/2" x 1 1/2"
- Sealant: 1 1/2" x 1 1/2"

Steps
1. Cut and install roof panel
2. Attach gutter to roof panel
3. Install brackets on wall panel
4. Attach gutter to brackets

Note: See direction manuals for further cladding of perimeter caulking.

Critical Section
- Critical dimension: 2 1/2" + wall panel thickness

Details
- Roof panel: 1 1/2" x 3 1/2"
- Gutter: 1 1/2" x 1 1/2"
- Fasteners: 10-24 x 1/2" screws
- Tape: 150' of 2" x 3/4" tape
- Rake: 1 1/2" x 1 1/2"
- Brackets: 1 1/2" x 1 1/2"
- Sealant: 1 1/2" x 1 1/2"

Steps
1. Cut and install roof panel
2. Attach gutter to roof panel
3. Install brackets on wall panel
4. Attach gutter to brackets

Note: See direction manuals for further cladding of perimeter caulking.

Horizontal View of Horizontal Gutter System
- Gutter angle & size shown for reference only. Actual angle may vary.

Details
- Roof panel: 1 1/2" x 3 1/2"
- Gutter: 1 1/2" x 1 1/2"
- Fasteners: 10-24 x 1/2" screws
- Tape: 150' of 2" x 3/4" tape
- Rake: 1 1/2" x 1 1/2"
- Brackets: 1 1/2" x 1 1/2"
- Sealant: 1 1/2" x 1 1/2"

Steps
1. Cut and install roof panel
2. Attach gutter to roof panel
3. Install brackets on wall panel
4. Attach gutter to brackets

Note: See direction manuals for further cladding of perimeter caulking.
HIGH EAVE DETAILS
EH5006 – HIGH EAVE WITH WALL PANEL

SR2 OUTSIDE CLOSURE STRIP
SET IN H3010 TAPE MASTIC TOP
AND BOTTOM

H1050 @ 5" O.C.

SRC-02 METAL CLOSURE
W/ H1050 @ 5" O.C. &
H3010 TAPE MASTIC

HIGH EAVE GIRT SHOWN FOR
REFERENCE ONLY. MEMBER MAY
VARY. SEE ROOF FRAMING PLAN.

NOTE: DO NOT OVER DRIVE FASTENERS. IF THE
METAL AT THE EDGE OF THE PANEL IS DEFORMED
OUT OF PLANE, THE ADJACENT PANEL WILL BE
DIFFICULT TO ENGAGE AND WILL NOT SEAM. AFTER
SR CLIP HAS BEEN INSTALLED IN PLACE OVER MALE
LEG OF STANDING SEAM PANEL, PRE-CRIMP, USING
1/2" HAND CRIMPING TOOL SUPPLIED.

HIGH SIDE EAVE
SR2 INSULATED PANEL
SEE INSULATED WALL PANEL ERECTION NOTES FOR ASSEMBLY METHOD

EH5006
EI5010 – HIGH EAVE (PARAPET)

* FIELD OR FACTORY APPLIED BUTYL CAULK AT VERTICAL JOINT (CONTINUOUS 3/8” BEAD)

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

(2) HIDDEN JOINT FASTENERS
W/WASHER MK# WC-01 TYPICAL
BS101 BASE TRIM W/ H1060 12” O.C.
HTL... TRANSITION TRIM
W/ H1050 @ 5” O.C.
SR2 OUTSIDE CLOSURE STRIP WITH H3010
TAPE MASTIC AT (TOP AND BOTTOM)
SR-02 METAL CLOSURE W/
H1050 @ 5” O.C. & H3010
TAPE MASTIC (TOP AND BOTTOM)
SR ROOF PANEL
CLIP W/
(2) 1/4 – 14 X 2”
TEK W/O WASHER, PER CLIP, PER PANEL
SECONDARY FRAMING

HPI... CAP TRIM W/
H1060 @ 12” O.C.
BUTYL TUBE CAULK
H3151
MARRY BUTYL CAULK TO
TOP OF TRANSITION TRIM
LOCATION AT VERTICAL
JOINT.

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
<th>* ENSURE CAULK IS CONTINUOUS. IF NO CAULK IS PRESENT OR IF CAULK IS NOT CONTINUOUS, FIELD APPLY CONTINUOUS CAULK MK# H3151</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>#14 X 2 SDHH</td>
<td></td>
</tr>
<tr>
<td>2 1/2”</td>
<td>#14 X 3 SDHH</td>
<td></td>
</tr>
<tr>
<td>3”</td>
<td>#14 X 3 SDHH</td>
<td></td>
</tr>
<tr>
<td>4”</td>
<td>#14 X 4 SDHH</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ROOF PANEL THICKNESS</th>
<th>DIM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/4”</td>
<td>9 1/4”</td>
</tr>
<tr>
<td>4”</td>
<td>0’-10”</td>
</tr>
<tr>
<td>5”</td>
<td>0’-11”</td>
</tr>
<tr>
<td>6”</td>
<td>1’-0”</td>
</tr>
</tbody>
</table>

HIGH_EAVE_PARAPET_DETAIL

SR2 INSULATED PANEL

EI5010.DWG
EI5030 – HIGH EAVE (PARAPET) AT MASONRY OR CONCRETE

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

MASONRY WALL BY OTHERS
FIELD FILLED WITH LOOSE INSULATION

BUTYL TUBE CAULK H3151 IN (2) PLACES

1/2" H3010 TAPE MASTIC
FASTENER BY OTHERS @ 12" O.C.

HT____ TRANSITION TRIM W/ H1050 @ 5" O.C.

SR2 OUTSIDE CLOSURE STRIP WITH H3010 TAPE MASTIC AT TOP AND BOTTOM
SRC-02 METAL CLOSURE W/ H1050 @ 5" O.C. & H3010 TAPE MASTIC TOP AND BOTTOM

SR ROOF PANEL CLIP W/ (2)
1/4" - 14 X 2"
TEK W/O WASHER, PER CLIP, PER PANEL

CTA01 TRIM W/ H1060 @ 12" O.C. BUTT UP AGAINST MASONRY WALL AS REQ'D.

1" ENLARGED VIEW
1/2" MIN

SECONDARY FRAMING

HIGH EAVE PARAPET DETAIL
SR2 INSULATED PANEL AT MASONRY WALL

EI5030
EI5050 – HIGH EAVE (PARAPET) PANEL ABOVE AND BELOW

**Panel Thickness** | **Hidden Fastener**
---|---
2 1/2” | #14 x 2 SD HH
2 1/2” | #14 x 3 SD HH
2 1/2” | #14 x 3 SD HH
3” | #14 x 3 SD HH
4” | #14 x 4 SD HH

**Fastening Schedule**

1. Ensure caulk is continuous, if no caulk is present or if caulk is not continuous, field apply continuous caulk (Mark H3151)

2. Hidden joint fasteners w/ washer (Mark WC-01 typical)

3. Mastic butyl caulk to top of base trim loc at vertical joint

4. Base trim w/ H1060 12” O/C

5. Trans. flashing w/ H1060 @ 6” O/C

6. Field fill w/ compressible/insulation

7. SRC-02 metal closure w/ H1060 @ 6” O/C & H3010 tape mastic at top and bottom

8. SR2 outside closure strip with H3010 tape mastic at top and bottom

**High Eave Parapet Detail**

**WALL PANEL ABOVE AND BELOW**

**SR2 Insulated Panel**

**Last Revision Date:** 08/03/2016

**By:** SAA CHK: EGB

**Detail Name if Applicable:**

**EI5050.DWG**

**11.8.26**
RAKE DETAILS
EE5010 – RAKE (SCULPTURED)

NOTE: ROOF PANEL SHOULD EXTEND TO OUTSIDE EDGE OF WALL PANEL

H1050 @ 4” O.C.
FIELD CUT PANEL AS REQUIRED
RAKE TRIM RTA
BATT OR SPRAY IN PLACE INSULATION
NOT BY NBS
H1060 @ 12” O.C.
INSULATED METAL PANEL
(2) HIDDEN JOINT FASTENERS
w/WASHER MK# WC-01 TYPICAL

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>#14 X 2 SDHH</td>
</tr>
<tr>
<td>2 1/2”</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>3”</td>
<td>#14 X 3 SDHH</td>
</tr>
<tr>
<td>4”</td>
<td>#14 X 4 SDHH</td>
</tr>
</tbody>
</table>

2 1/4” TAPE MASTIC H3020 BETWEEN TRIM & INSULATED METAL ROOF PANEL SR2
BUTYL SEALANT H3151
(2) 1/4” - 14 TEK 3 FASTENER W/WASHER AT EACH PURLIN AND (1) @ 1/3 POINTS BETWEEN PURLINS
BUTYL SEALANT H3151
RAKE ANGLE MAR01 L.L.V. WITH (1) H1220 FASTENER AT EACH SUPPORT

SCULPTURED RAKE DETAIL
INSULATED METAL PANEL
SEE INSULATED WALL SHEETING DETAILS FOR ASSEMBLY METHOD

EE5010

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION
EF5010 – RAKE (PARAPET) WALL PANEL ABOVE

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE SR2 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

DETAIL "A"

RAKE PARAPET DETAIL
SR2 ROOF PANEL
SEE INSULATED WALL PANEL SHEETING ERECTION NOTES
EF5030 – RAKE (PARAPET) AT MASONRY OR CONCRETE

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER,

REFER TO THE SR2 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

RAKE PARAPET TRIM, IMPORTANT NOTE: THIS TRIM IS DESIGNED WITH A 95° BEND AS SHOWN TO ALLOW "POSITIVE DRAINAGE" ONTO THE ROOF PANEL.

RAKE PARAPET DETAIL
SRS ROOF PANEL AT MASONRY WALL SEE INSULATED WALL PANEL SHEETING ERECTION NOTES

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>NUMBER FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 x 2 5/8HM</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 x 3 5/8HM</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 x 3 5/8HM</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 x 4 5/8HM</td>
</tr>
</tbody>
</table>

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION.

COUNTERTFLASH (NOT BY NUCOR)
1/2" H3030 TAPE MASTIC
FASTENER BY OTHERS @ 12" O.C.
FIELD FILL WITH INSULATION (NOT BY NUCOR)
Rake PARAPET TRIM
H1050 @ 4" O.C.
2 1/4" H3020 TAPE MASTIC BETWEEN TRIM AND PANEL
1/4-14 TEK 3 FASTENERS W/ WASHER AT EA. PURLIN AND (1) AT 1/3 POINTS BETWEEN PURLINS.
(2) H151 BUTYL SEALANT
SECONDARY TRIMMING

EF5030.DWG
EF5050 – RAKE (PARAPET) RAFTER IN HIGH BUILDING

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE SR2 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

DETAIL "A"

16 GAUGE RAKE PARAPET ANGLE (L.L.V.)

-RAKE PARAPET TRIM IMPORTANT NOTE: THIS TRIM IS DESIGNED WITH A 95° BEND AS SHOWN TO ALLOW "POSITIVE DRAINAGE" ONTO THE ROOF PANEL.

RAKE PARAPET DETAIL

SR2 ROOF PANEL
SEE INSULATED WALL PANEL SHEETING ERECTION NOTES

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

RAKE PARAPET DETAIL

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 x 2 SDNH</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 x 3 SDNH</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 x 3 SDNH</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 x 4 SDNH</td>
</tr>
</tbody>
</table>
EF5060 – RAKE (PARAPET) RAFTER IN LOW BUILDING

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE SR2 ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.

DETAIL "A"

16 GAUGE RAKE PARAPET ANGLE (L.L.V.)

RAKE PARAPET TRIM, IMPORTANT NOTE: THIS TRIM IS DESIGNED WITH A 90° BEND AS SHOWN TO ALLOW "POSITIVE DRAINAGE" ONTO THE ROOF PANEL.

RAKE (PARAPET) RAFTER DETAIL
RAFTER IN HIGH BUILDING. SR2 ROOF PANEL
SEE INSULATED WALL PANEL SHEETING ERECTION NOTES

<table>
<thead>
<tr>
<th>PANEL THICKNESS</th>
<th>HIDDEN FASTENER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>#14 X 2 SEHH</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>#14 X 2 SEHH</td>
</tr>
<tr>
<td>3&quot;</td>
<td>#14 X 2 SEHH</td>
</tr>
<tr>
<td>4&quot;</td>
<td>#14 X 2 SEHH</td>
</tr>
</tbody>
</table>

FASTENING SCHEDULE WILL VARY DEPENDING ON SPECIFIC APPLICATION

EF5060

EF5060.DWG
PARAPET GUTTER DETAILS
EK5020 – PARAPET GUTTER – EAVE STRUT

SR2 INSIDE CLOSURE STRIP W/ 1
1/2" X 3/32" BUTYL TAPE MASTIC
H3001 BETWEEN ROOF PANEL AND
ANGLE

SR ROOF PANEL CLIP
W/(2) 1/4 – 14 x 2" TEK
W/O WASHER, PER CLIP

(3) 1/4–14 TEK 3
FASTENER W/ WASHER
EVENLY SPACED BETWEEN
40" RIBS

H1020 (12” O.C.)

H1020 (12” O.C.)
H1050 12” O.C.
EAVE TRIM MK. LEI0_-

MASTIC MK. H3010

TOP OF EAVE MEMBER AND
BOTTOM OF WALL PANEL

PARAPET GUTTER
MK. PGB01

FIELD LINE W/BITUMINOUS
MATERIALS (N.I.C.) (INSTALL
BEFORE THE ROOF PANELS
ARE INSTALLED)
OUTLET AND DOWNSPOUT (N.I.C.)

H1220 12” O.C. @
REV. PURLIN, (1) EACH
END @ EAVE STRUT

H3151 PERIMETER CAULK

EAVE STRUT SHOWN
FOR REFERENCE ONLY.
MEMBER MAY VARY. SEE
ROOF FRAMING PLAN.

PARAPET GUTTER DETAIL

“SR2” ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EK5020
EK5040 – PARAPET GUTTER @ MASONRY OR CONCRETE – EAVE STRUT

SR2 INSIDE CLOSURE STRIP W/ 1 1/2" X 3/32" BUTYL TAPE
Mastic H3001 BETWEEN ROOF PANEL AND ANGLE

COUNTER FLASH (NOT BY N.B.S.)
MASONRY FASTENER (NOT BY N.B.S.)

A.F.F.

CONTINUOUS SUPPORT ANGLE MK. MAR02

PARAPET GUTTER MK. PGB01

FIELD LINE W/BITUMINOUS MATERIALS (N.I.C.) (INSTALL BEFORE THE ROOF PANELS ARE INSTALLED)

OUTLET AND DOWNSPOUT (N.I.C.)

H1020 (12" O.C.)
H1050 (12" O.C.)
Mastic MK. H3010
TRIM MK. LE10

SR ROOF PANEL CLIP W/(2) 1/4 – 14 X 2" TEK W/O WASHER, PER CLIP
(3) 1/4-14 TEK 3 FASTENER W/ WASHER EVENLY SPACED BETWEEN 40" RIBS

H1220 12" O.C. @REV PURLIN, (1) EACH END @ EAVE STRUT
H3151 PERIMETER CAULK

THICKNESS VARIES

EAVE STRUT SHOWN FOR REFERENCE ONLY. MEMBER MAY VARY. SEE ROOF FRAMING PLAN.

PARAPET GUTTER DETAIL
"SR2" ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EK5040
RIDGEC DETAILS
EG5010 – RIDGE CONDITION

NOTE: DO NOT OVER DRIVE FASTENERS. IF THE METAL AT THE EDGE OF THE PANEL IS DEFORMED OUT OF PLANE, THE ADJACENT PANEL WILL BE DIFFICULT TO ENGAGE AND WILL NOT SEAM. AFTER SR CLIP HAS BEEN INSTALLED IN PLACE OVER MALE LEG OF STANDING SEAM PANEL, PRE-CRIMP, USING 1/2" HAND CRIMPING TOOL SUPPLIED.

SR2 OUTSIDE CLOSURE STRIP WITH H3010 TAPE MASTIC AT TOP AND BOTTOM

H3151 TUBE
CAULK AS REQ’D

FIELD FILL W/ COMPRESSIBLE INSULATION

SECOND ROW OF FOAM CLOSURES FOR ALASKA PROJECTS ONLY

H1050 @ 5” O.C.

SRC–02 METAL CLOSURE W/ H1050 @ 5” O.C. & H3010 TAPE MASTIC

RGG__ RIDGE CAP

1”

8 1/2” MIN
11” MAX

1”

1/2” MIN

NOTE: DO NOT OVER DRIVE FASTENERS. IF THE METAL AT THE EDGE OF THE PANEL IS DEFORMED OUT OF PLANE, THE ADJACENT PANEL WILL BE DIFFICULT TO ENGAGE AND WILL NOT SEAM. AFTER SR CLIP HAS BEEN INSTALLED IN PLACE OVER MALE LEG OF STANDING SEAM PANEL, PRE-CRIMP, USING 1/2" HAND CRIMPING TOOL SUPPLIED.

RIDGE DETAIL
SR2 INSULATED PANEL

EG5010