POST AND BEAM ENDWALL DETAILS

AB0005 - COLD FORMED ENDWALL ERECTION NOTE DETAIL
AB0010 - LOW EAVE - CF RAFTER
AB0011 - LOW EAVE - CF RAFTER AT MASONRY
AB0020 - LOW EAVE - BU RAFTER
AB0025 - LOW EAVE - BU RAFTER (COL. ROTATED 90°)
AB0030 - INTERIOR - CF RAFTER (SIMPLE SPAN)
AB0040 - INTERIOR - CF RAFTERS (LAPPED)
AB0045 - INTERIOR - CF RAFTERS (CONTINUOUS)
AB0050 - INT. COL. TO RAFTER CONNECTION, W/ BU & CF RAFTERS @ OPP. SIDES
AB0070 - BU RAFTERS (SIMPLE SPAN)
AB0080 - BU RAFTER (CONTINUOUS)
AB0090 - HIGH EAVE - CF RAFTER
AB0095 - HIGH EAVE - CF RAFTER (COL. ROTATED 90°)
AB0098 - HIGH EAVE PARAPET - CF RAFTER
AB0099 - EW CEE COLUMN TO RAFTER CONNECTION
AB0110 - EW CEE COL TO RIDGE RAFTER CONN
AB0120 - RIDGE COL. TO RAFT. CONNECTION, W/ BU & CF RAFTERS @ OPP. SIDES
AB0150 - EW RAFTER RIDGE CONN
AB0200 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN
AB0210 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN
AB0220 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN
AB0230 - ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN
AB0240 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN
AB0250 - ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN
AB0510 - EW COL TO RAFTER CONN
AB0515 - EW COL TO RAFTER CONN
AB0516 - LOW EAVE COL. CF RAFTER @ MASONRY WALL (COL. ROT. 90 DEG)
AB0517 - LOW EAVE COL. CF RAFTER @ MASONRY WALL (COL. ROT. 90 DEG)
AB0530 - CF RAFTERS (SIMPLE SPAN)
AB0535 - CF RAFTER (SIMPLE SPAN-COLUMN ROTATED 90 DEG)
AB0540 - CF RAFTER (LAPPED)
AB0545 - COLUMN TO CF RAFTER (CONTINUOUS)
AB0550 - INTERMEDIATE COL. CONN. (SIMPLE SPAN W/ BU & CF RAF. @ OPP. SIDES)
AB0560 - BU RAFTER LEFT CF RAFTER RIGHT
AB0590 - HIGH EAVE (CF RAFTER)
AB0595 - EW COL TO RAFTER (COL ROTATED 90° @ HIGH EAVE)
AB0598 - EW COL. TO RAF. CONNECTION (HIGH EAVE @ PARAPET BY OTHERS)
AB0599 - 90° ROTATED EW COL TO RAFTER CONN @ H EAVE (WITH PARAPET)
AB0610 - EW COL TO CF RAFTER CONN (@ RIDGE)
AB0620 - RIDGE (BU RAFTER RIGHT, CF RAFTER LEFT)
AB0005 - COLD FORMED ENDWALL ERECTION NOTE DETAIL

Download the DWG file by clicking here.

COLD FORMED ENDWALL ERECTOR DETAIL

1) GIRTS, CLIPS, RAFTERS AND COLUMNS MUST BE SECURELY AND TIGHTLY BOLTED TOGETHER PRIOR TO STANDING UP THE ENDWALL SECTION. (NOTE: THE GIRTS PROVIDE STABILITY TO THE ENDWALL SYSTEM DURING THE ERECTION PROCESS)

2) BUILT-UP COLUMNS/RAFTERS MUST BE ERECTED INDIVIDUALLY WHEN USED WITH COLD FORMED ENDWALL PARTS

3) THIS DETAIL IS SUGGESTED IN ORDER TO MAINTAIN STRUCTURAL INTEGRITY OF ENDWALL PARTS AFTER ERECTION AND PRACTICABILITY OF INDIVIDUAL SITUATIONS.

4) REGULATIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT, LOCAL, STATE, AND/OR FEDERAL AGENCIES SHOULD BE ADHERED TO AT ALL TIMES. THE METAL BUILDING SUPPLIER IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR FAILURE WHICH MAY RESULT FROM FAILING TO MEET ANY OF THESE REGULATIONS.

Detailer Notes:

1) N/A
AB0010 - LOW EAVE - CF RAFTER

Download the DWG file by clicking here.

SINGLE OR DOUBLE CEE ENDWALL COLUMN

EW CEE COLUMN TO RAFTER CONN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0011 - LOW EAVE - CF RAFTER AT MASONRY

Download the DWG file by clicking here.

SEPARATE DETAIL INCLUDED FOR EAVE MEMBER ATTACHMENT INFORMATION. (SEE ROOF PLAN)

CLIP MK. GXC_ WITH (4) 1/2" x 2" A325 BOLTS (MK. H0603) AND NUTS (MK. H0300)

COLD-FORMED ENDWALL RAFTER

STEEL LINE

1 1/2"

1 1/2"

2"

1 1/4"

SECTION A

EW CEE COLUMN TO RAFTER AT MASONRY

COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
REFERENCE ROOF FRAMING PLAN FOR EAVE STRUT BOLT REQUIREMENTS

Detailer Notes:
1) DETAILER MUST CREATE SPECIAL DETAIL FOR EAVE STRUT CONN. AND PLACE CALL OUT ON ROOF PLAN. DETAIL TO INCLUDE: GXC- PART MARK & ATTACHING HARDWARE MARKS & QUANTITY.
EW CEE COLUMN TO RAFTER CONN

COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

**Detail Notes:**
1) N/A
AB0025 - LOW EAVE - BU RAFTER (COL. ROTATED 90°)

Download the DWG file by clicking here.

EW CEE COLUMN TO RAFTER CONN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONN
(SIMPLE SPAN)
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AB0030

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONN
(LAPPED RAFTER)
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONN

(CONTINUOUS RAFTER)
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONN
BOLT COLUMN TO RAFTER FLANGS AS SHOWN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

SINGLE OR DOUBLE CEE ENDWALL COLUMN

COLD-FORMED RAFTER SHOWN ON LEFT SIDE
BU/HR ON RIGHT. OPPOSITE POSITIONS SIMILAR

(2) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300

BUILT-UP RAFTER

1/4" 1 1/2"

2" 1 1/2" 4"

SECTION A
COLD-FORMED SHOWN BUILT-UP SIMILAR

(4) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300

CLIP MARK GCB03
REQUIRED @ COLD-FORMED RAFTERS ONLY

SINGLE OR DOUBLE CEE ENDWALL COLUMN

Detailer Notes:
1) N/A

AB0050 - INT. COLUMN TO RAFTER CONNECTION, W/BU & CF RAFTERS @ OPP. SIDES
Download the DWG file by clicking here.
AB0070 - BU RAFTERS (SIMPLE SPAN)
Download the DWG file by clicking here.

* - 1 1/8" GAGE @ 4" RAFTER FLANGE
* - 1 1/2" GAGE @ GREATER THAN 4" RAFTER FLANGE

EW CEE COLUMN TO RAFTER CONN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONN
(CONTINUOUS RAFTER)
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A

Download the DWG file by clicking here.
EW CEE COLUMN TO RAFTER CONN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0095 - HIGH EAVE - CF RAFTER (COL. ROTATED 90°)
Download the DWG file by clicking here.

EW CEE COLUMN TO RAFTER CONN
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONNECTION

COLUMN TOP CLIP FACTORY WELDED TO COLUMN
USE (6) 1/2"Ø x 2" A325 BOLTS (MK. H0603) & NUTS (MK. H0300)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW CEE COLUMN TO RAFTER CONNECTION

COLUMN TOP CLIP FACTORY WELDED TO COLUMN
USE (6) 1/2"Ø x 2" A325 BOLTS (MK. H0603) & NUTS (MK. H0300)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
AB0110 - EW CEE COL TO RIDGE RAFTER CONN

Download the DWG file by clicking here.

USE (8) 1/2" x 1 1/2" A307 BOLT H0500/ NUT H0400 PER RIDGE PURLIN CONNECTION

8" PURLIN
GCB01 CLIP
9.5" PURLIN
GCB08 CLIP
12" PURLIN
GCB11 CLIP

RIDGE PURLIN DETAIL

RIDGE PURLIN

CLIP MK. EWA__
COLD-FORMED RAFTER-TYP.

A

SINGLE OR DOUBLE CEE ENDWALL COLUMN

SECTION A

EW CEE COL TO RIDGE RAFTER CONN

BOLT COL. TO RAF. FLANGE AND WEB W/
(8) 1/2" X 2" A325 BOLTS H0603/NUTS H0300
EWA__ CLIP MUST BE INSTALLED AS SHOWN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0120 - RIDGE COLUMN TO RAFTER CONNECTION, W/ BU & CF RAFTERS @ OPP. SIDES

Download the DWG file by clicking here.

COLD FORMED RAFTER SHOWN ON LEFT SIDE, BU/HR ON RIGHT. OPPOSITE POSITION SIMILAR.

(2) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300
COLD-FORMED RAFTER

CLIP MK. GCB03
REQUIRED @ COLD-FORMED RAFTERS ONLY

(4) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300
COLD-FORMED SHOWN BUILT-UP SIMILAR

SINGLE OR DOUBLE CEE ENDWALL COLUMN

Detailer Notes:
1) N/A

AB0120
EW CEE COL TO RIDGE RAFTER CONN
BOLT COLUMN TO RAFTER FLANGES AS SHOWN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
AB0150 - EW RAFTER RIDGE CONN
Download the DWG file by clicking here.

EW RAFTER RIDGE CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

USE (8) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0210 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

LAPPED COLD-FORM RAFTER
USE (8) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BOLTS REQUIRED ONLY AS SHOWN, NOT @ ALL HOLES

Detailer Notes:
1) N/A
AB0220 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

Download the DWG file by clicking here.

ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

SINGLE COLD-FORM RAFTER
USE (10) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0230 - ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN

Download the DWG file by clicking here.

ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN

COLD FORM RIDGE RAFTER CONNECTION
USE (12) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0240 - ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

Download the DWG file by clicking here.

STIFFENER, IF REQUIRED

* - 1 1/8" GAGE @ 4" RAFTER FLANGE
* - 1 1/2" GAGE @ GREATER THAN 4" RAFTER FLANGE

ENDWALL PIGGY-BACK CEE COLUMN TO RAFTER CONN

CONTINUOUS BUILT-UP / HOT-ROLLED RAFTER
USE (8) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0250 - ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN

Download the DWG file by clicking here.

ENDWALL PIGGY-BACK CEE COLUMN TO RIDGE RAFTER CONN

BUILT-UP / HOT-ROLLED RIDGE RAFTER CONNECTION
USE (8) 1/2" Ø X 2" A325 BOLTS H0603 / NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW COL TO RAFTER CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AB0510

Detailer Notes:
1) N/A

Download the DWG file by clicking here.
AB0515 - EW COL TO RAFTER CONN
Download the DWG file by clicking here.

EW COL TO RAFTER CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

(6) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300

Detailer Notes:
1) N/A
AB0516 - LOW EAVE COL. CF RAFTER @ MASONRY WALL (COL. ROT. 90 DEG)

Download the DWG file by clicking here.

Details:

- **Steel Line:**
  - CLIP MK. GXC__
  - WITH (6) 1/2" x 2"
  - A325 BOLTS (MK. H0603)
  - AND NUTS (MK. H0300)

- **Cold-Formed Endwall Rafter:**

- **Endwall Column:**
  - WALL SYSTEM BY OTHERS
  - SEE_PLAN
  - Face of Column

**EW COLUMN TO RAFTER AT MASONRY**

- COLUMN TOP CLIP FACTORY WELDED TO COLUMN
- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- REFERENCE ROOF FRAMING PLAN FOR EAVE PUR LIN BOLT REQUIREMENTS

**AB0516**

**Detailer Notes:**

1) DETAILER MUST CREATE SPECIAL DETAIL FOR EAVE STRUT CONN. AND PLACE CALL OUT ON ROOFP PLAN. DETAIL TO INCLUDE: GXC- PART MARK & ATTACHING HARDWARE MARKS & QUANTITY.
**AB0517 - LOW EAVE COL. CF RAFTER @ MASONRY WALL (COL. ROT. 90 DEG)**

Download the DWG file by clicking here.

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**EW COLUMN TO RAFTER AT MASONRY**

COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
REFERENCE ROOF FRAMING PLAN FOR EAVE PURLIN BOLT REQUIREMENTS

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Detailer Notes:

1) DETAILER MUST CREATE SPECIAL DETAIL FOR EAVE STRUT CONN. AND PLACE CALL OUT ON ROOF PLAN. DETAIL TO INCLUDE: GXC- PART MARK & ATTACHING HARDWARE MARKS & QUANTITY.
EW COL TO RAFTER CONN
(SIMPLE SPAN RAFTER)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
EW COLUMN TO RAFTER CONN
(SIMPLE SPAN)
COLUMN TOP CLIP FACTORY WELDED TO COLUMN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0540 - CF RAFTER (LAPPED)

Download the DWG file by clicking here.

EW COL TO RAFTER CONN

(LAPPED RAFTER)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0545 - COLUMN TO CF RAFTER (CONTINUOUS)

Download the DWG file by clicking here.

EW COL TO RAFTER CONN

(CONTINUOUS RAFTER)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0550 - INTERMEDIATE COL. CONN. (SIMPLE SPAN W/ BU & CF RAFTERS @ OPP. SIDES)

Download the DWG file by clicking here.

EW COL TO RAFTER CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0560 - BU RAFTER LEFT CF RAFTER RIGHT

Download the DWG file by clicking here.

EW COL TO RAFTER CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0590 - HIGH EAVE (CF Rafter)

Download the DWG file by clicking here.

SEE SECONDARY DETAILS FOR HIGH EAVE SUPPORT MEMBER & CONNECTION

(6) 1/2"Ø X 2"
A325 BOLTS H0603
NUTS H0300

ENDWALL COLUMN

CLIP MK. EWA01

ENDWALL COLUMN

SECTION A

EW COL TO RAFTER CONN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A

CERTIFIED ERECTION DETAILS

Issued: 08.16.19 2018.057
Issued By: SAA
AB0595 - EW COL TO RAFTER (COL ROTATED 90° @ HIGH EAVE)

Download the DWG file by clicking here.

SEE SECONDARY DETAILS FOR HIGH EAVE SUPPORT MEMBER & CONNECTION

1) N/A

Detailer Notes:
EW COL. TO RAFTER CONN. (HIGH EAVE @ PARAPET BY OTHERS)

BU OR HR COLUMN TO CEE RAFTER CONNECTION
USE (6) 1/2"Ø x 2" A325 BOLTS (MK. H0603) & NUTS (MK. H0300)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
90° ROTATED EW COL TO RAFTER CONN @ H EAVE (WITH PARAPET)

BU OR HR COLUMN TO CEE RAFTER CONNECTION

USE (6) 1/2"Ø x 2" A325 BOLTS (MK. H0603) & NUTS (MK. H0300)

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
AB0610 - EW COL TO CF RAFTER CONN (@ RIDGE)

Download the DWG file by clicking here.

USE (8) 1/2" x 1 1/2" A307 BOLT H0500/ NUT H0400 PER RIDGE PURLIN CONNECTION

8" PURLIN
GCB01 CLIP
9.5" PURLIN
GCB08 CLIP
12" PURLIN
GCB11 CLIP

1) N/A

Detailer Notes:

Detail Size (W x H) : 1 x 1

CERTIFIED ERECTION DETAILS

Issued By: SAA

Issued : 08.16.19  2018.057

EW COL TO CF RAFTER CONN (@ RIDGE)

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
AB0620 - RIDGE (BU RAFTER RIGHT, CF RAFTER LEFT)

Download the DWG file by clicking here.

RIDGE (BU RAFTER RIGHT, CF RAFTER LEFT)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A