## 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 RAFTER 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
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- **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

CERTIFIED ERECTION DETAILS

Detail Size (W x H) : 2 x 2
Issued : 08.16.19 2018.057
Issued By : SAA
AB0010 - LOW EAVE - CF RAFTER

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 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.
AB0020 - LOW EAVE - BU RAFTER
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
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

Detailer Notes:
1) N/A
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

- (10) 1/2"Ø X 2" A325 BOLTS H0603
- 1 1/2" NUTS H0300

BOLTS REQ'D ONLY AS SHOWN, NOT @ ALL HOLES

SINGLE OR DOUBLE CEE ENDWALL COLUMN

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

Detailer Notes:
1) N/A
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

AB0080 - BU RAFTER (CONTINUOUS)
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
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**

**AB0098**

**Detailer Notes:**
1) N/A
AB0099 - EW CEE COLUMN TO RAFTER CONNECTION

Download the DWG file by clicking here.

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
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

RIDGEPURLIN DETAIL

CLIP MK. EWA

COLD-FORMED RAFTER-TYP.

A

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

SINGLE OR DOUBLE CEE ENDWALL COLUMN

SECTION A
COLD-FORMED SHOWN BUILT-UP SIMILAR

EW CEE COL TO RIDGE RAFTER CONN
BOLT COLUMN TO RAFTER FLANGES AS SHOWN
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
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
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

CERTIFIED ERECTION DETAILS

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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.

* - 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
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
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

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 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

Detailer Notes:
1) DETAILER MUST CREATE SPECIAL DETAIL FOR EAVE STRUT CONNECTORS AND PLACE CALL OUT ON ROOF 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.
AB0530 - CF RAFTERS (SIMPLE SPAN)

Download the DWG file by clicking here.

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

AB0535

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

BOLTS REQ’D ONLY AS SHOWN, NOT @ ALL HOLES

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

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

Detailer Notes:
1) N/A

Download the DWG file by clicking here.
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

ENDWALL COLUMN

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

CLIP MK. EWA01

ENDWALL COLUMN

1' 3/4"

1/4"

1 1/2"

2"

1 1/2"

SECTION A

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

Detailer Notes:
1) N/A
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 1/2"

A

1 1/2"

(6) 1/2"Ø X 2"

A325 BOLTS H0603
NUTS H0300

CLIP
MK. EWA01

ENDWALL COLUMN

FACE OF COLUMN

SEE_PLAN

SECTION A

EW COL TO RAFTER (COL ROTATED 90° @ HIGH EAVE)

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AB0595

Detailer Notes:
1) N/A

Detail Size (W x H) : 1 x 1
AB0598 - EW COLUMN TO RAFTER CONNECTION (HIGH EAVE @ PARAPET BY OTHERS)

Download the DWG file by clicking here.

SINGLE CEE ENDWALL RAFTER

CLIP MK. EWA01

BU OR HR ENDWALL COLUMN

CENTERLINE OF COLUMN

1'-4"

STEEL LINE AND OUTSIDE FACE OF WALL

PARAPET WALL BY OTHERS

ENDWALL STEEL LINE

CENTERLINE OF RAFTER

RAFTER

EWA01

COLUMN

SECTION A

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

AB0599
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

ENDWALL COLUMN

CLIP MK. EWA01
COLD-FORMED RAFTER-TYP.

EW COL TO CF RAFTER CONN (@ RIDGE)
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

Detailer Notes:
1) N/A
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