

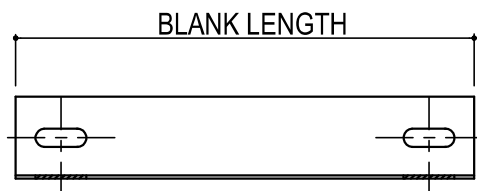
**FLANGE BRACING**

- AG0003 - FLANGE BRACE MARK NUMBER DETAIL
  - AG0005 - BUILDING EXPANSION NOTE
  - AG0010 - FLANGE BRACE AT PURLIN AND RAFTER
  - AG0014 - FLANGE BRACE AT EXP EW RAFTER & PURLIN
  - AG0020 - FLANGE BRACE DETAILS FOR JOIST TO RAFTER CONNECTION
  - AG0025 - FLANGE BRACE AT EXP EW RAFTER & JOIST
  - AG0026 - ALL BOLTED FLANGE BRACE AT JOIST & RAFTER CONN
  - AG0027 - ALL BOLTED FLANGE BRACE @ EXP EW FOR JOIST & RAFTER CONN
  - AG0030 - FLANGE BRACE AT COLUMN & GIRT
  - AG0034 - FLANGE BRACE AT EXP EW COLUMN & GIRT
  - AG0040 - FLANGE BRACE AT COLUMN & MASONARY WALL
  - AG0050 - FLANGE BRACE AT COLUMN & CEE GIRT
  - AG0060 - FLANGE BRACE AT C.F. COLUMN & GIRT
  - AG0070 - FLANGE BRACE AT C.F. COLUMN & MAS WALL
  - AG0080 - FLANGE BRACE AT C.F. RAFTER & PURLIN
  - AG0090 - FLANGE BRACE AT CF COLUMN & CEE GIRT
  - AG0100 - FLANGE BRACE AT CF COLUMN & HR CEE
  - AG0105 - FLANGE BRACE WITH BASKET INSULATION OR LINER AT COLUMN
  - AG0110 - FLANGE BRACE WITH BASKET INSUL OR LINER AT RAFTER
  - AG0140 - FLANGE BRACE WITH BASKET INSUL OR LINER @ EW RAFTER
  - AG0160 - FLANGE BRACE WITH BASKET INSUL OR LINER @ EXP EW COL
  - AG0170 - FLANGE BRACE AT CF COLUMN & GIRT W/ LINER
  - AG0180 - FLANGE BRACE AT CF RAFTER & PURLIN W/ LINER
  - AG0210 - FLANGE BRACE PURLIN & HIP/VALLEY RAFTER
  - AG0500 - FLANGE BRACE @ TRUSS FRAME (6" RAFTER FLANGES)
  - AG0510 - FLANGE BRACE @ EXP EW TRUSS FRAME (6" RAFTER FLANGES)
  - AG0520 - FB DETAILS FOR JOIST TO TRUSS RAF CONN (6" RAFTER FLANGES)
-

AG0003 - FLANGE BRACE MARK NUMBERS

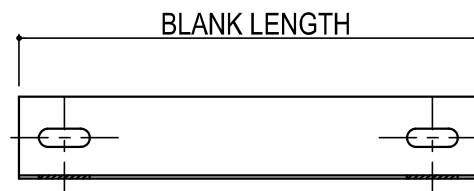
[Download the DWG file by clicking here.](#)

**FBC**  INDICATES LENGTH OF FLANGE BRACE IN INCHES



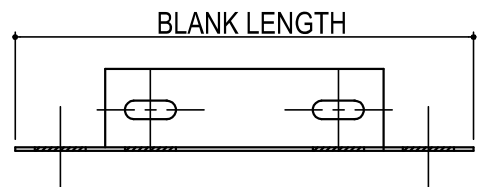
**FBH- COUNTER (1-999)**

SPECIAL LENGTH FLANGE BRACE



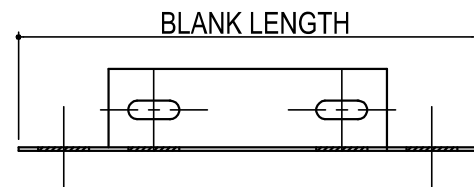
**FBE\_\_ COUNTER (01-07)**

COPED FLANGE BRACE



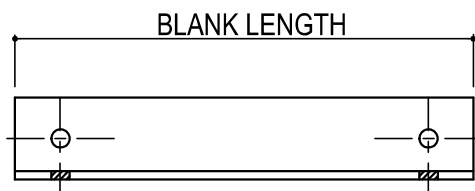
**FBJ- COUNTER (1-999)**

SPECIAL LENGTH COPED FLANGE BRACE

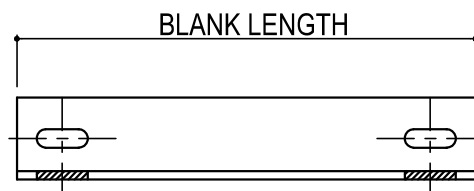


**FBF- COUNTER (1-999)**

3" X 3" 1/4" BRACE ANGLE



**FBK**  INDICATES LENGTH OF FLANGE BRACE IN INCHES



**FLANGE BRACE MARK NUMBERS**

**AG0003**

Detailer Notes:

- 1) THIS DETAIL SHOULD BE PLACED ON ALL JOBS THAT HAVE FLANGE BRACING.

AG0005 - BUILDING EXPANSION NOTE

[Download the DWG file by clicking here.](#)

## WARNING: IMPORTANT ERECTION NOTE WARNING

AT THIS TIME OF BUILDING EXPANSION, IT IS IMPERATIVE THAT THE MAIN FRAME  
ENDWALL FLANGE BRACING REQUIREMENTS (FOR THE EXISTING BUILDING) ARE  
COMPLETED AS NOTED ON YOUR EXISTING BUILDING ERECTION DRAWING SET.

PLEASE REVIEW YOUR EXISTING BUILDING ERECTION DRAWING SET FOR SPECIFIC  
FLANGE BRACE LOCATIONS REQUIRING INSTALLATION ON BOTH SIDES OF THE EXISTING  
FRAME AT TIME OF EXPANSION AND INSTALL THESE ADDITIONAL FLANGE BRACES NOW!

IF YOU ARE UNABLE TO LOCATE THE ADDITIONAL FLANGE BRACING MATERIAL SENT  
WITH THE EXISTING NBS BUILDING ORDER, IT IS YOUR RESPONSIBILITY TO ACQUIRE THE  
FLANGE BRACE MATERIAL AND INSTALL AT THIS TIME. IT IS VITAL TO THE STRUCTURAL  
INTEGRITY OF THE EXISTING MAIN FRAME THAT THIS FLANGE BRACE MATERIAL IS  
INSTALLED.

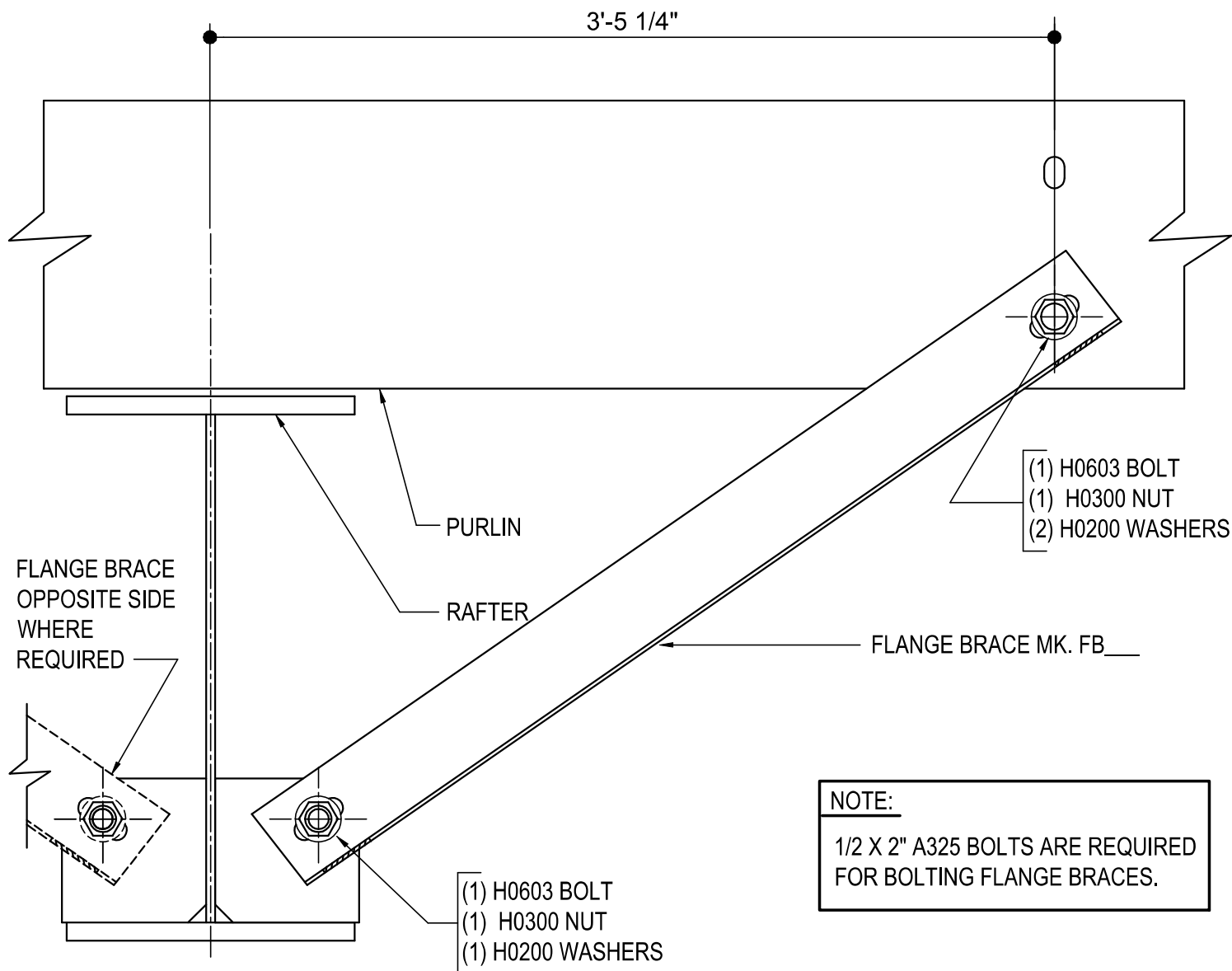
**AG0005**

Detailer Notes:

- 1) THIS DETAIL IS INTENDED TO BE PLACED ON THE ROOF FRAMING PLAN WHEN EXPANDING ON TO AN  
EXISTING NBG EXPANDABLE ENDWALL.

## AG0010 - FLANGE BRACE AT PURLIN AND RAFTER

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT PURLIN & RAFTER

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS & QUANTITIES.

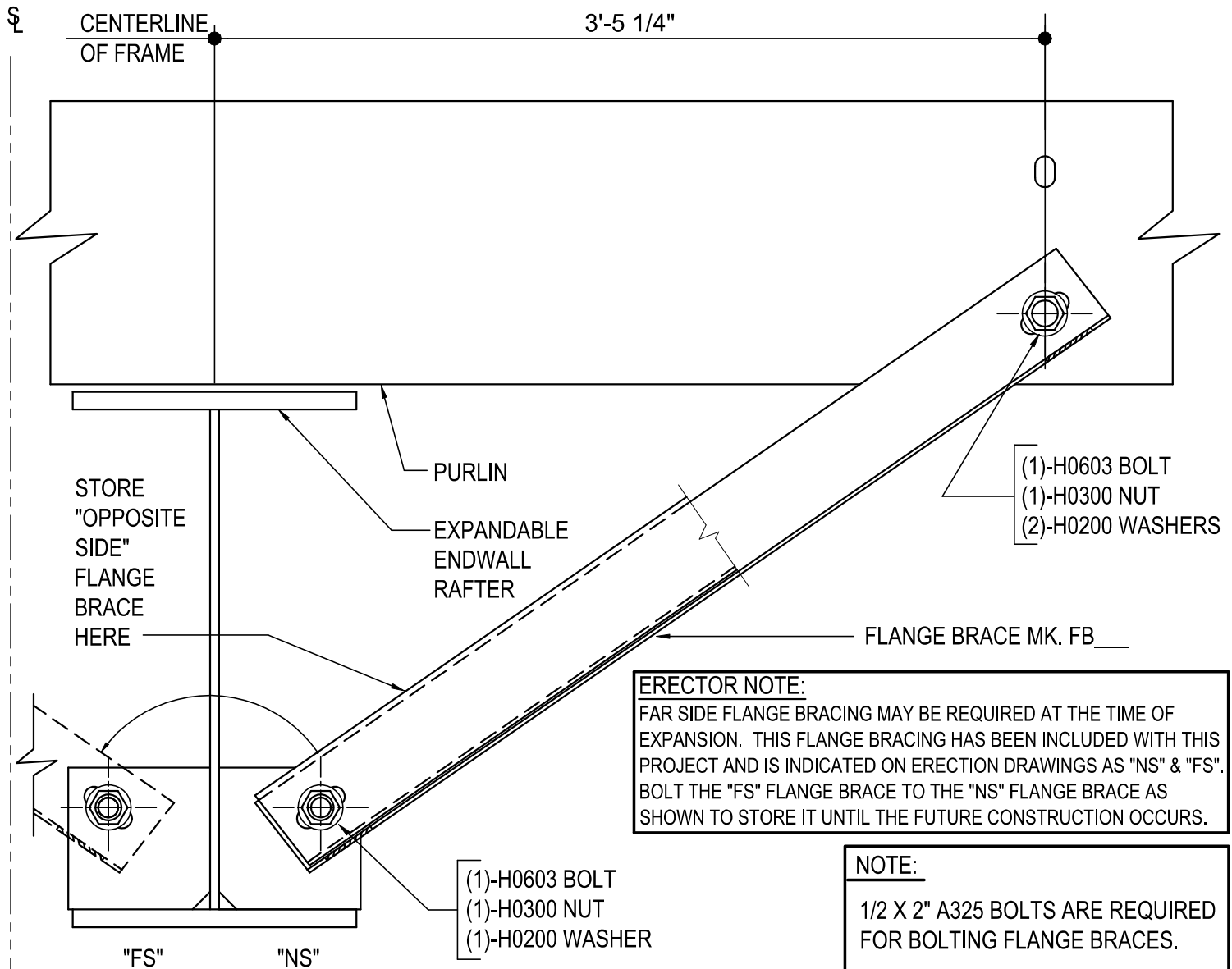
**AG0010**

### Detailer Notes:

1) N/A

AG0014 - FLANGE BRACE AT EXP EW RAFTER & PURLIN

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT EXPANDABLE ENDWALL RAFTER & PURLIN

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

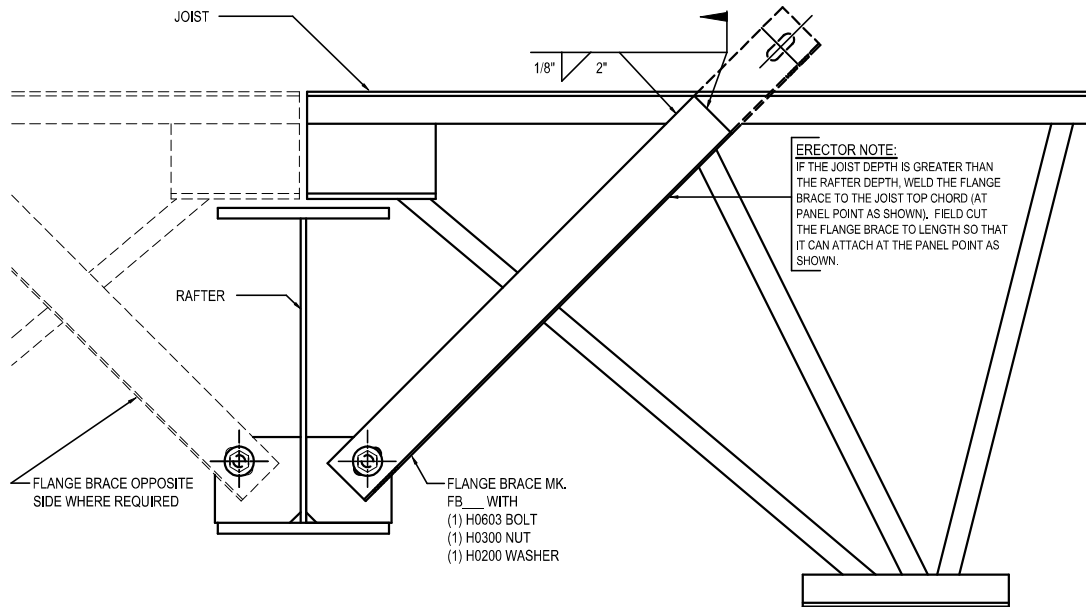
**AG0014**

Detailer Notes:

1) N/A

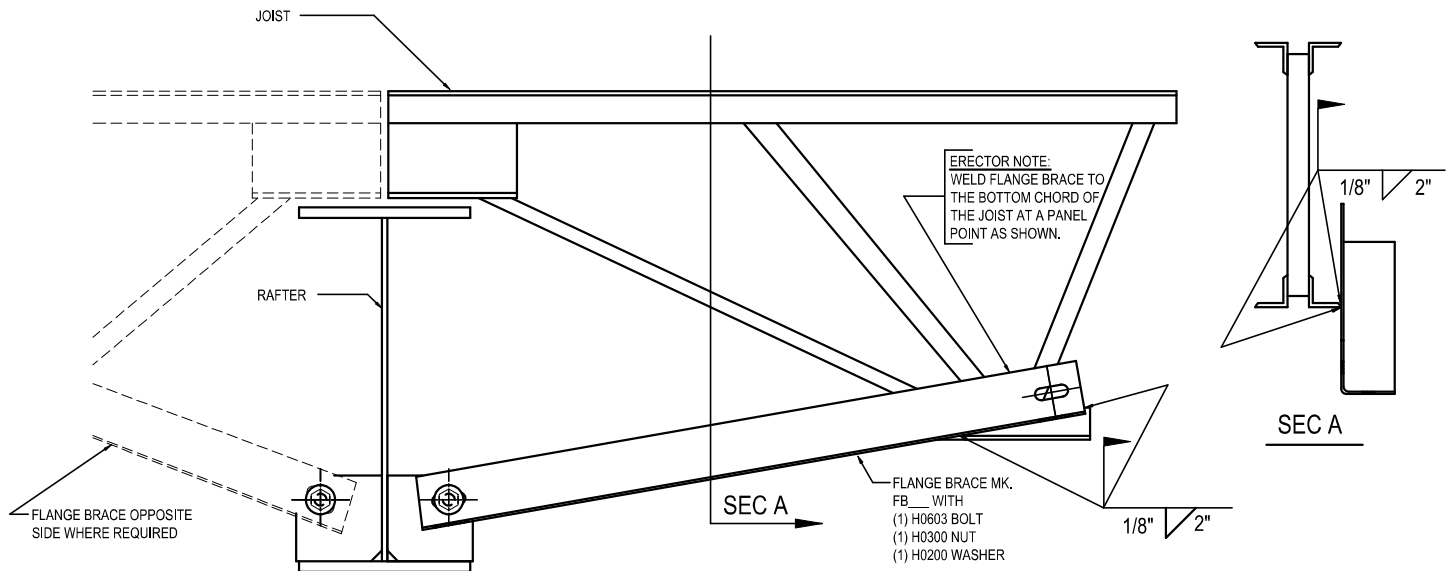
## AG0020 - FLANGE BRACE DETAILS FOR JOIST TO RAFTER CONNECTION

[Download the DWG file by clicking here.](#)



### FLANGE BRACE DETAIL IF JOIST DEPTH GREATER THAN RAFTER DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES



### FLANGE BRACE DETAIL IF RAFTER DEPTH GREATER THAN JOIST DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES

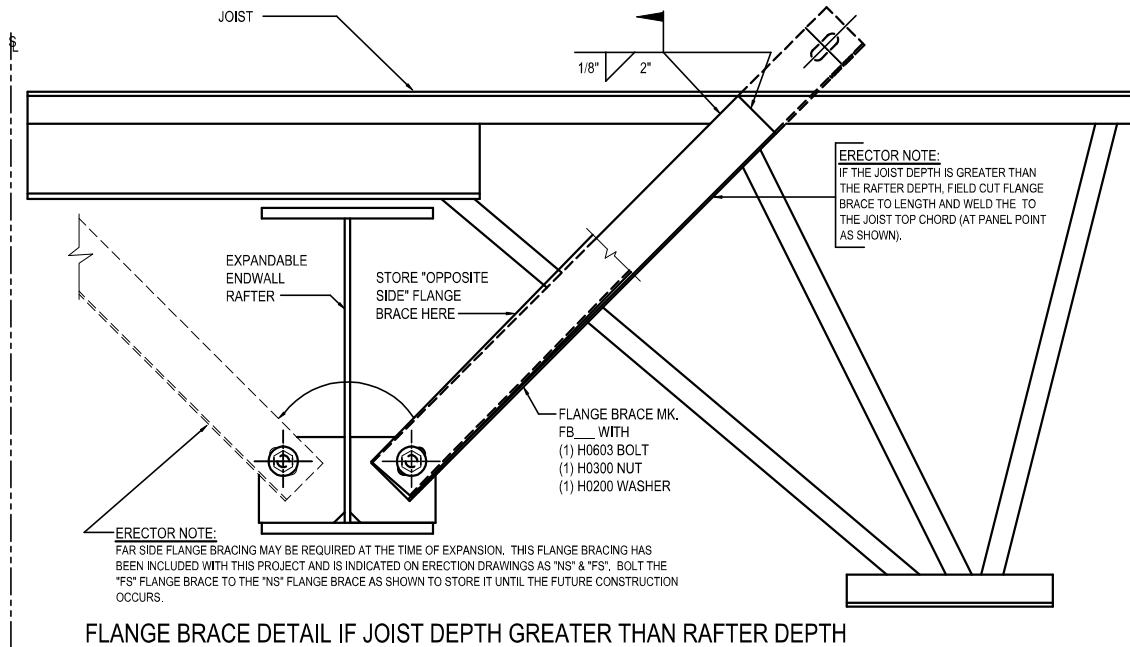
AG0020

#### Detailer Notes:

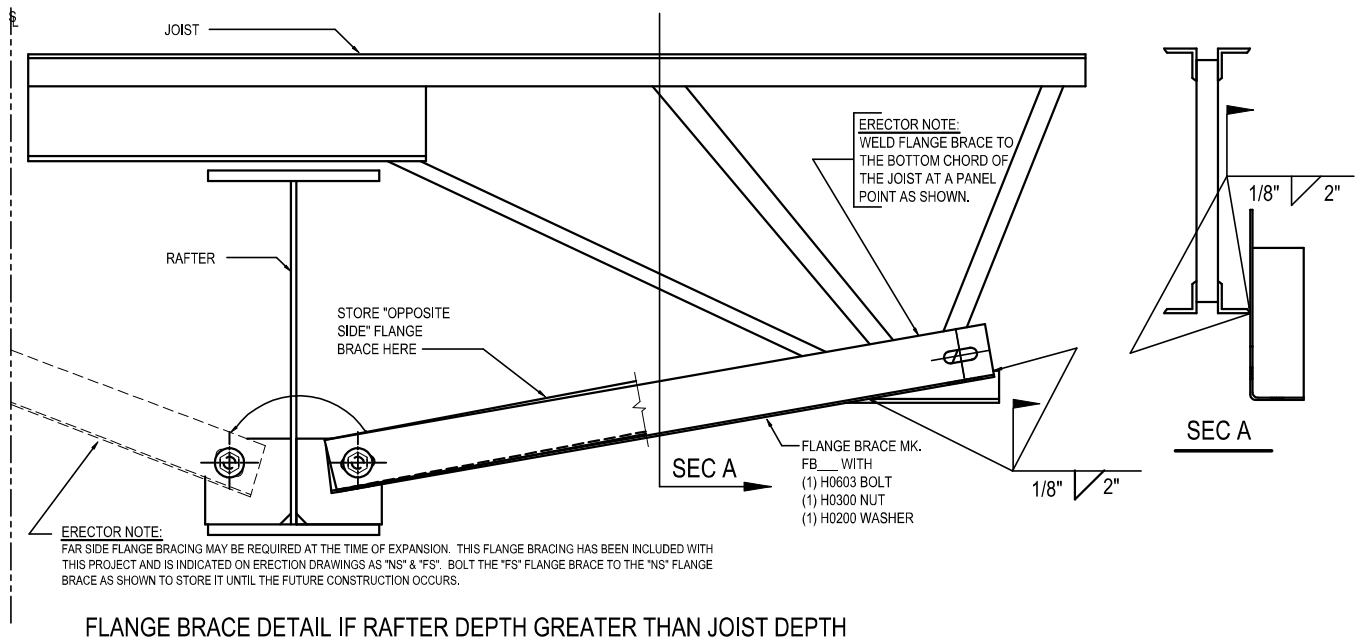
- 1) N/A

## AG0025 - FLANGE BRACE AT EXP EW RAFTER & JOIST

[Download the DWG file by clicking here.](#)



ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS



ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

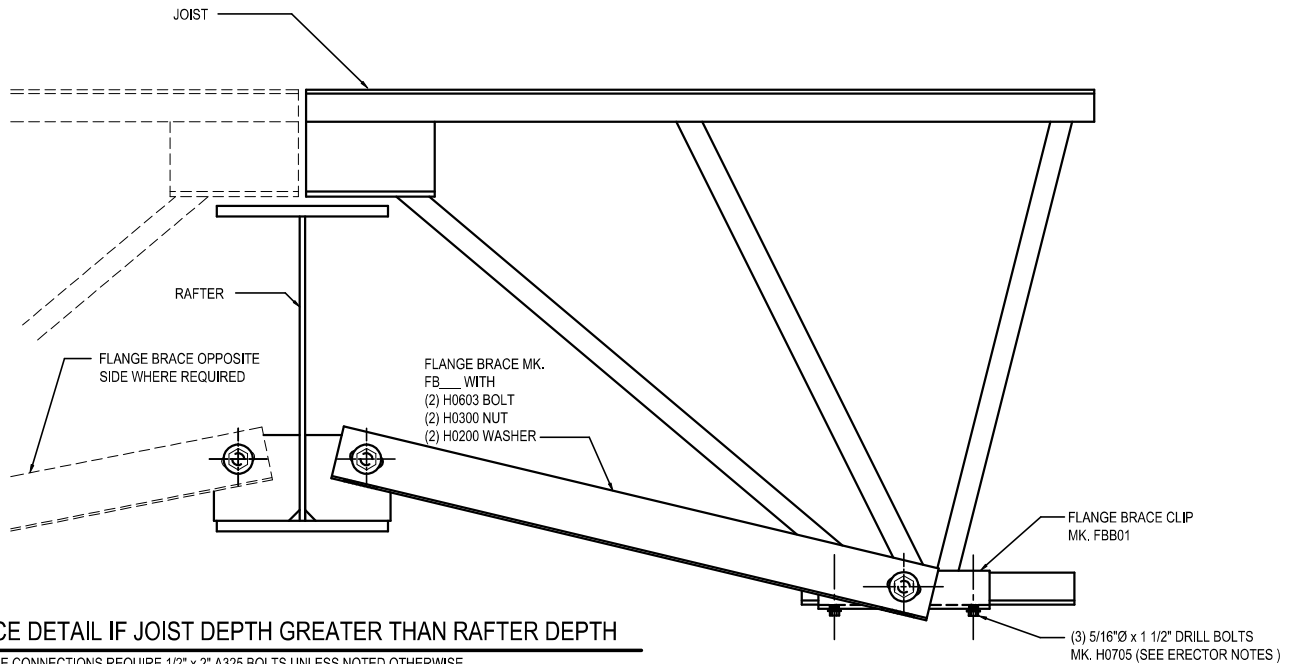
AG0025

### Detailer Notes:

1) N/A

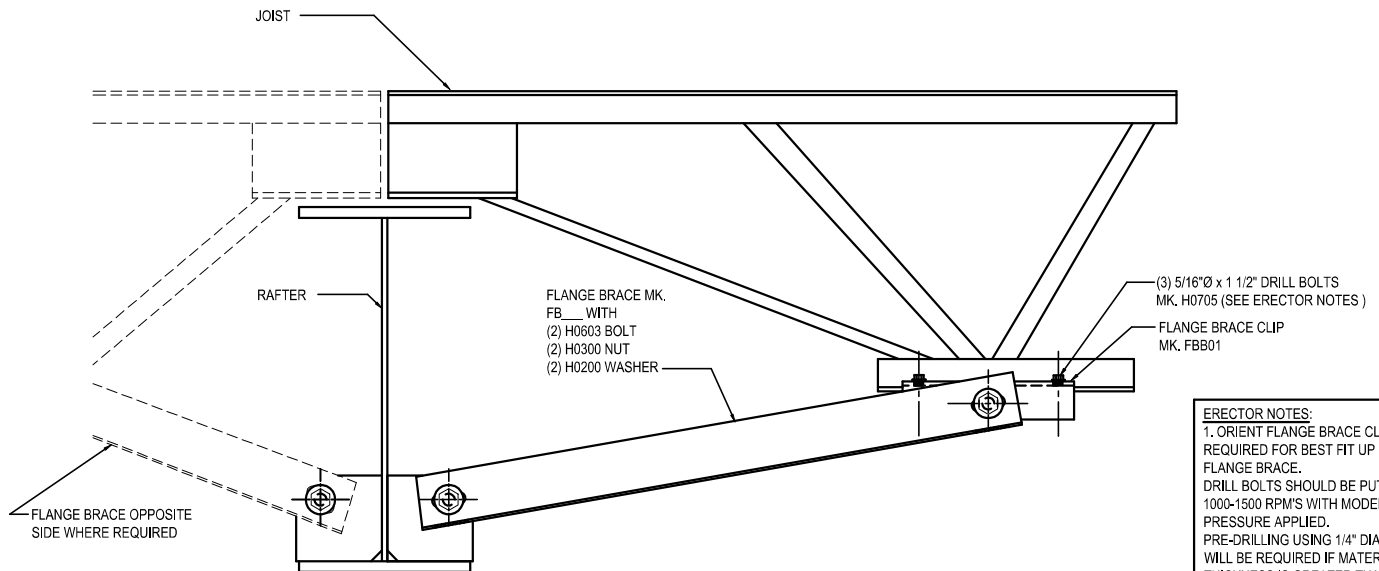
### AG0026 - ALL BOLTED FLANGE BRACE AT JOIST & RAFTER CONN

[Download the DWG file by clicking here.](#)



#### FLANGE BRACE DETAIL IF JOIST DEPTH GREATER THAN RAFTER DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES



#### FLANGE BRACE DETAIL IF RAFTER DEPTH GREATER THAN JOIST DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES

**ERECTOR NOTES:**  
1. ORIENT FLANGE BRACE CLIP AS REQUIRED FOR BEST FIT UP OF FLANGE BRACE.  
DRILL BOLTS SHOULD BE PUT IN AT 1000-1500 RPM'S WITH MODERATE PRESSURE APPLIED.  
PRE-DRILLING USING 1/4" DIA. HOLES WILL BE REQUIRED IF MATERIAL THICKNESS IS GREATER THAN 1/4".  
2. FLANGE BRACE MUST BE LOCATED AT A PANEL POINT AS SHOWN.

**AG0026**

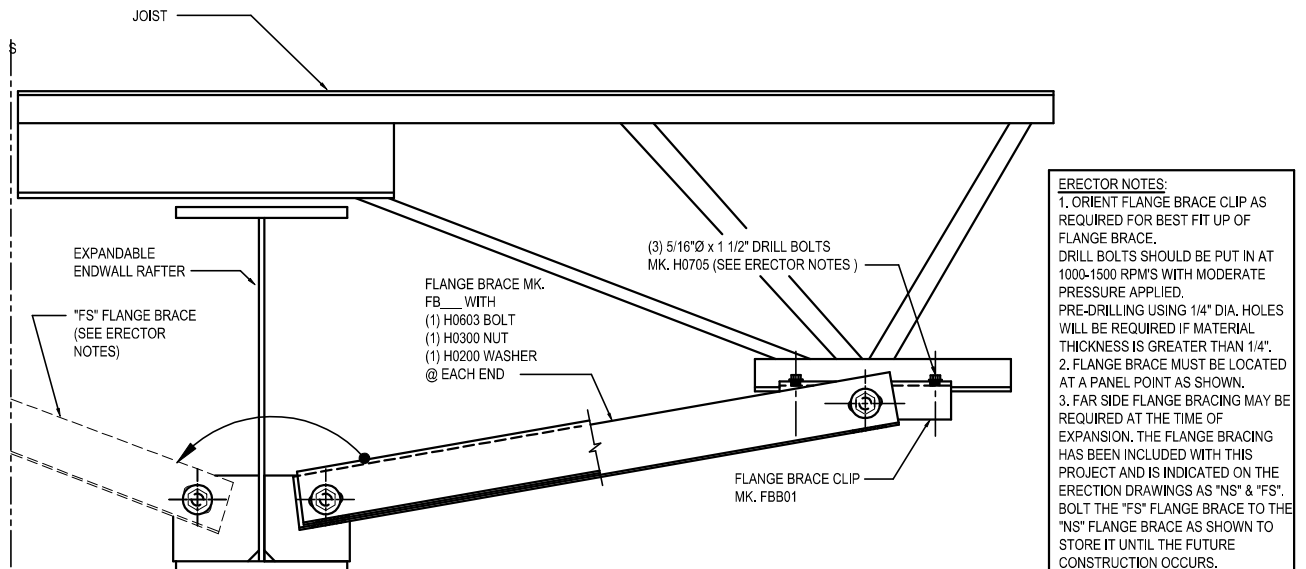
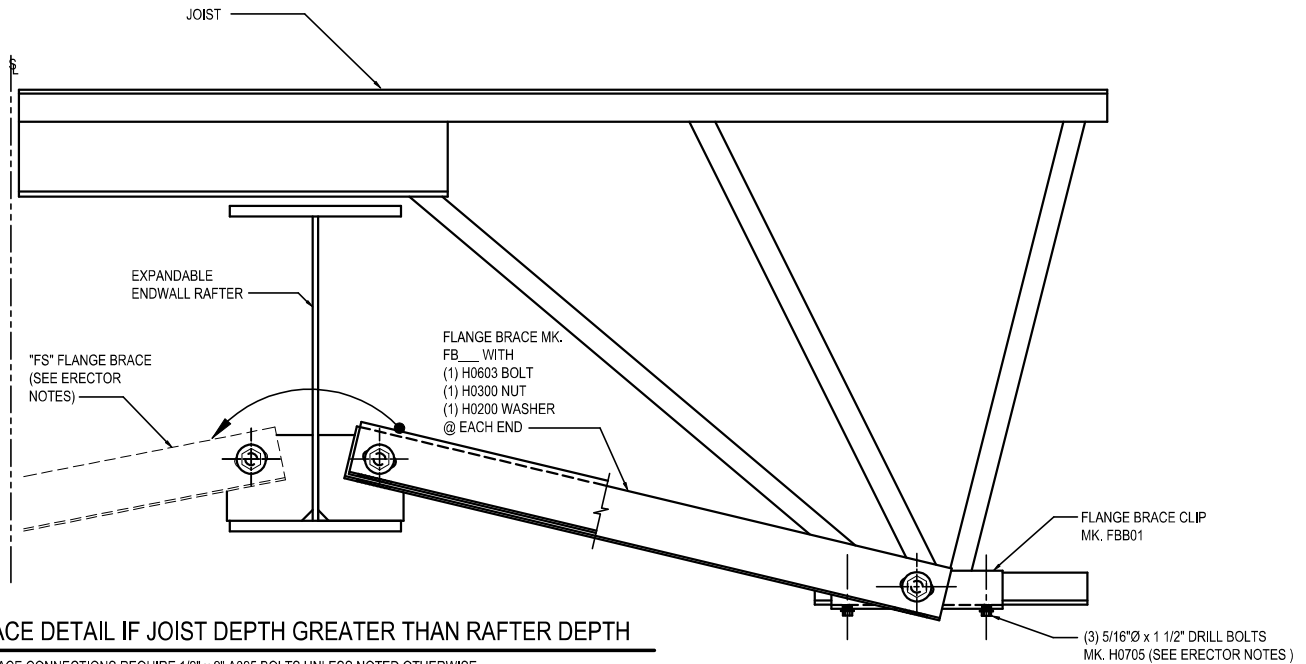
#### Detailer Notes:

1) N/A



AG0027 - ALL BOLTED FLANGE BRACE @ EXP EW FOR JOIST & RAFTER CONN

[Download the DWG file by clicking here.](#)



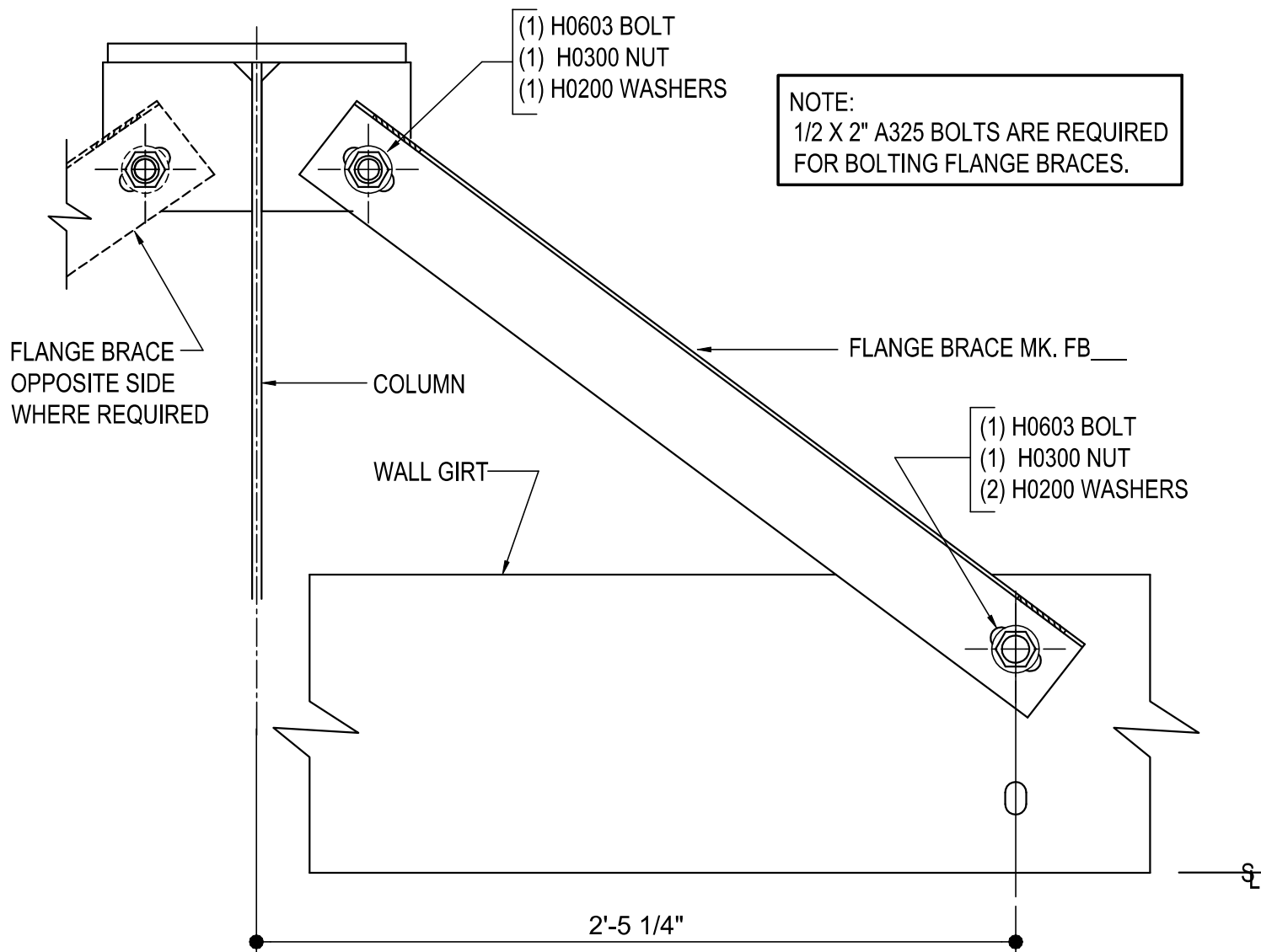
**AG0027**

Detailer Notes:

1) N/A

## AG0030 - FLANGE BRACE AT COLUMN & GIRT

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT COLUMN & GIRT

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS,  
& QUANTITIES

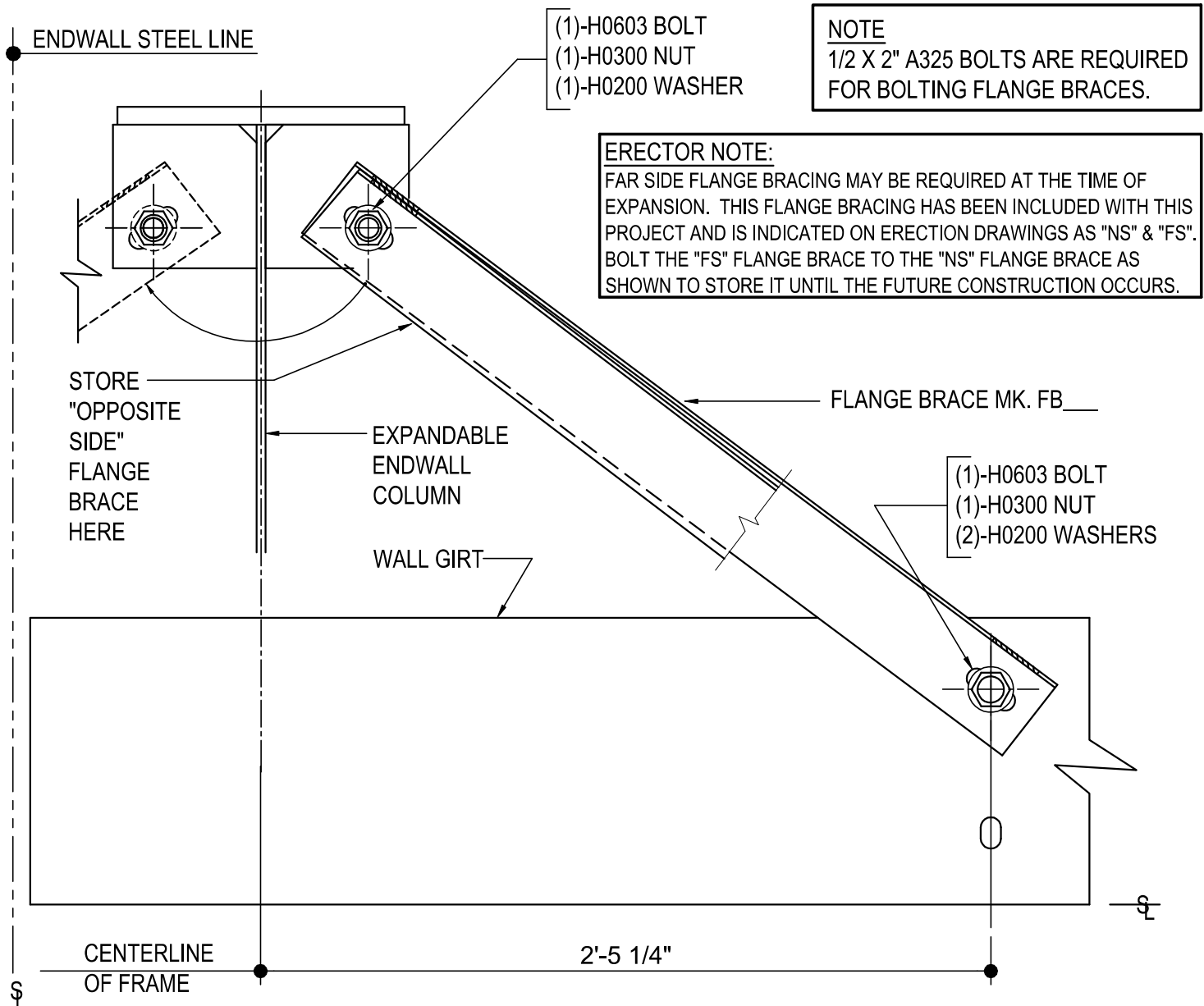
**AG0030**

### Detailer Notes:

1) N/A

## AG0034 - FLANGE BRACE AT EXP EW COLUMN & GIRT

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT EXPANDABLE ENDWALL COLUMN & GIRT

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

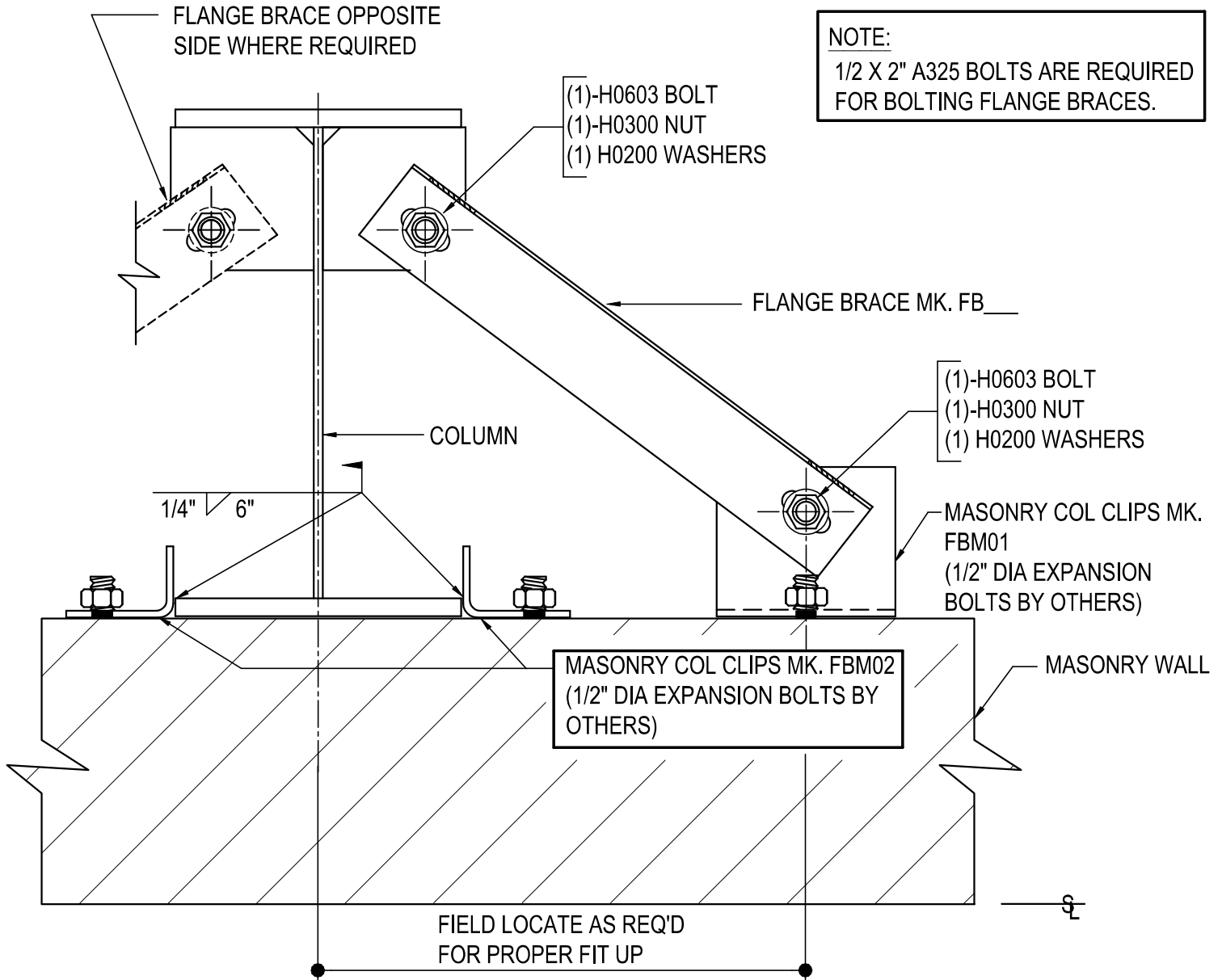
**AG0034**

### Detailer Notes:

- 1) N/A

AG0040 - FLANGE BRACE AT COLUMN & MASONRY WALL

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**FLANGE BRACE AT COLUMN & MASONRY WALL**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES

**AG0040**

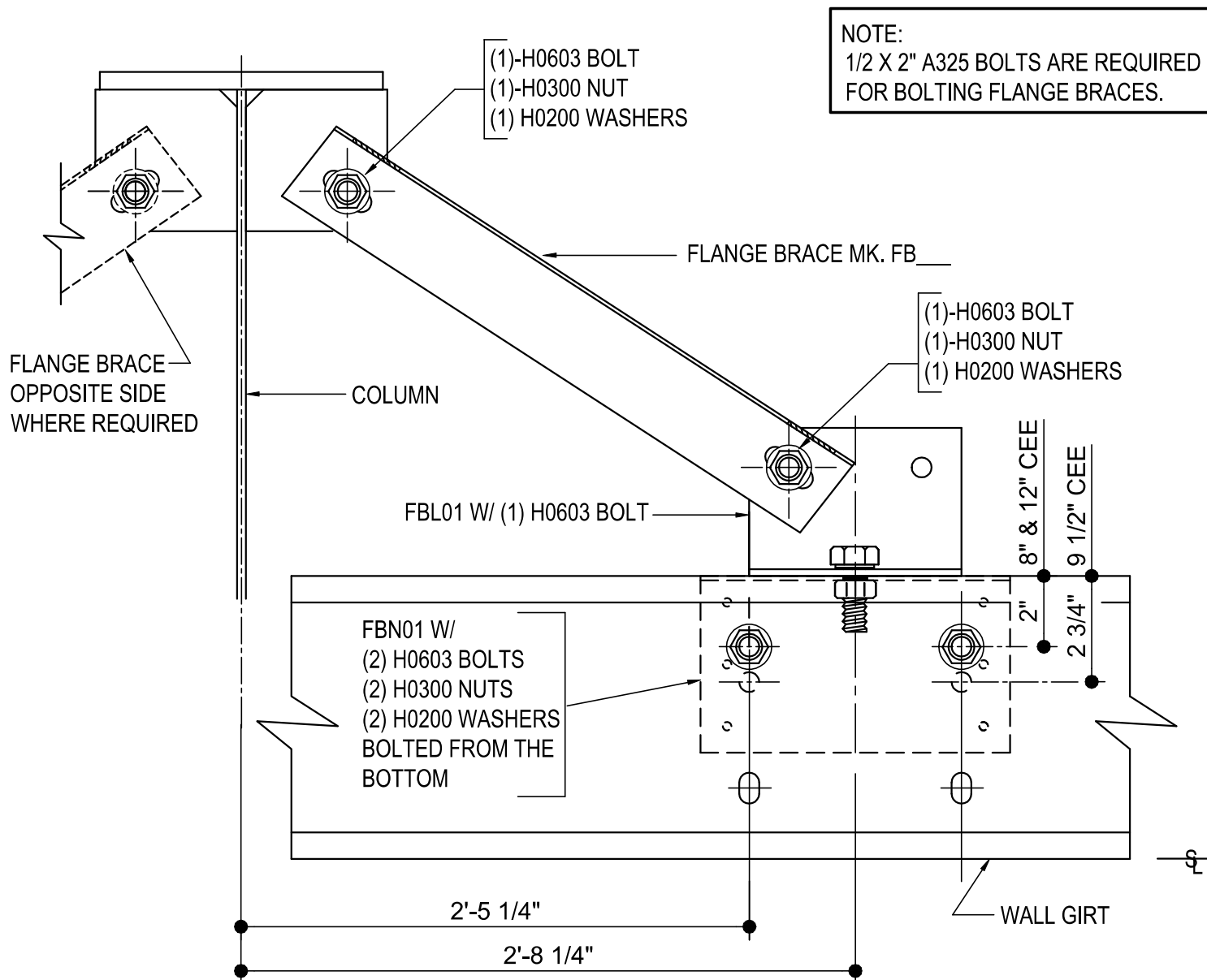
Detailer Notes:

1) N/A

AG0040

## AG0050 - FLANGE BRACE AT COLUMN & CEE GIRT

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT COLUMN & CEE GIRT

NOTES: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS,  
PART MARKS & QUANTITIES.  
INSTALL FLANGE BRACE CLIP FBN01 PRIOR TO ERECTING MASONRY WALL.

### Detailer Notes:

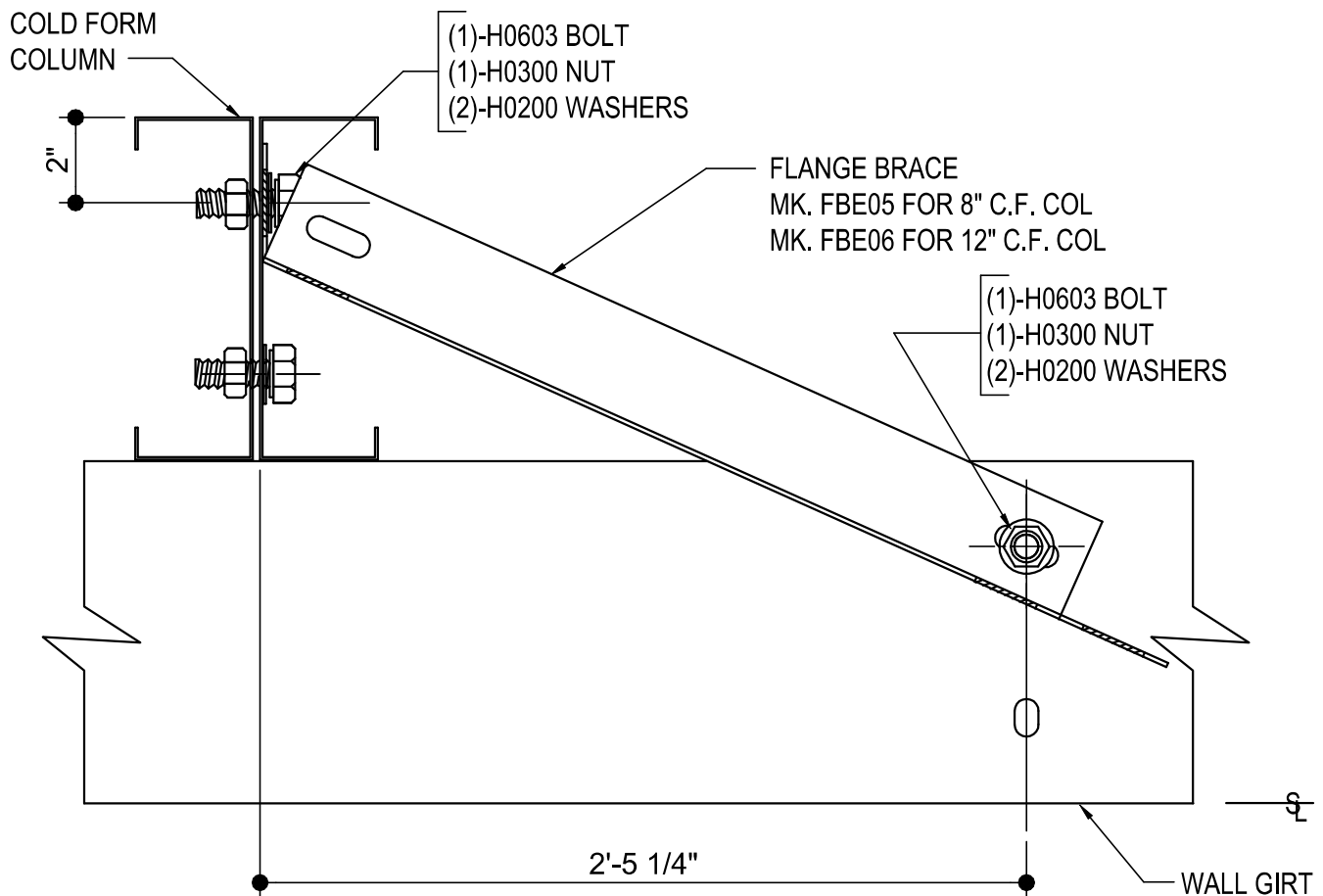
1) N/A

**AG0050**

AG0060 - FLANGE BRACE AT C.F. COLUMN & GIRT

[Download the DWG file by clicking here.](#)

NOTE:  
1/2 X 2" A325 BOLTS ARE REQUIRED  
FOR BOLTING FLANGE BRACES.



## FLANGE BRACE AT COLD FORM COLUMN & GIRT

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS,  
FIELD BEND FLANGE BRACE FOR PROPER FIT UP

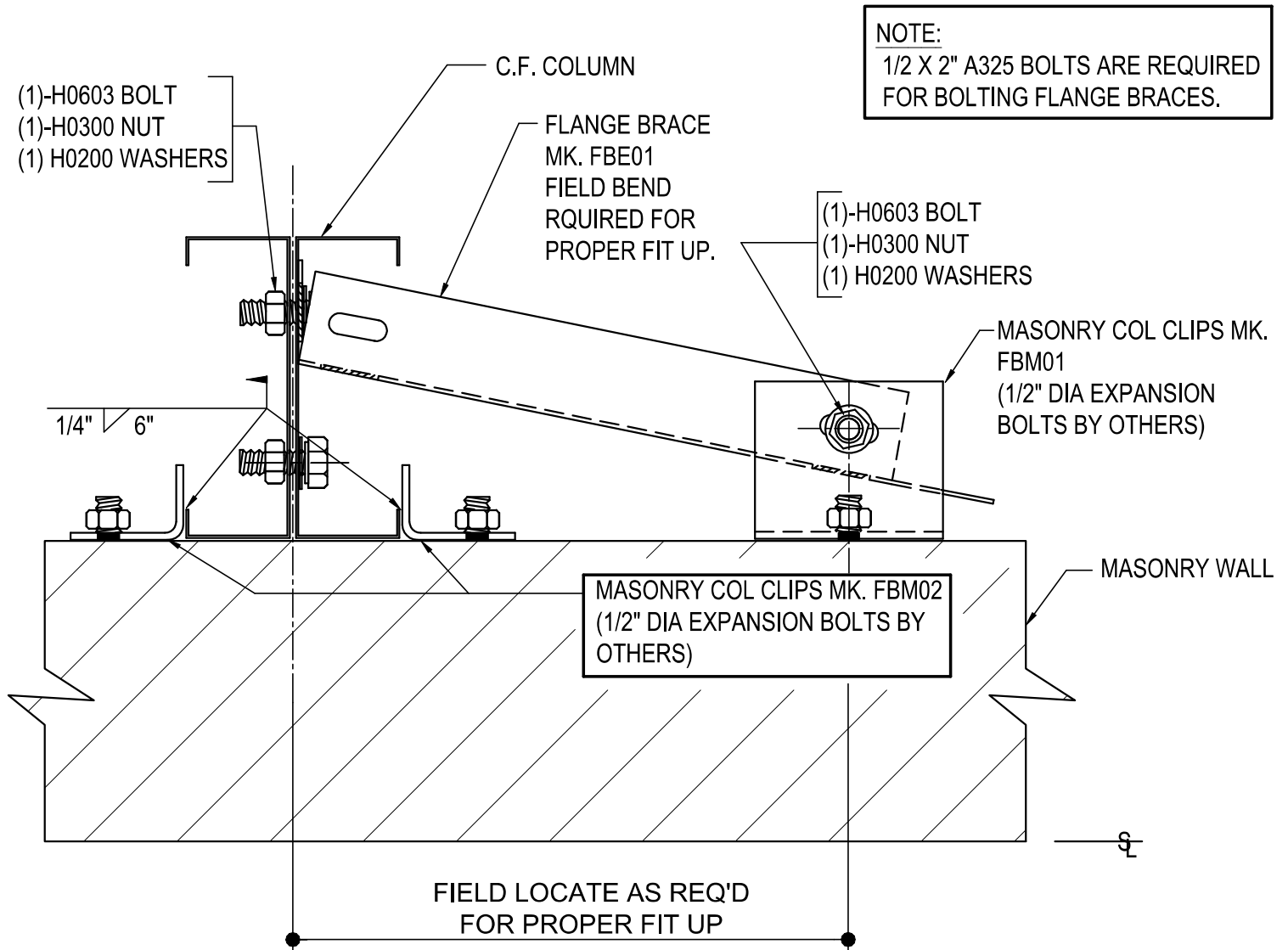
**AG0060**

Detailer Notes:

1) N/A

AG0070 - FLANGE BRACE AT C.F. COL & MAS WALL

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT CF COLUMN & MASONRY WALL

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

**AG0070**

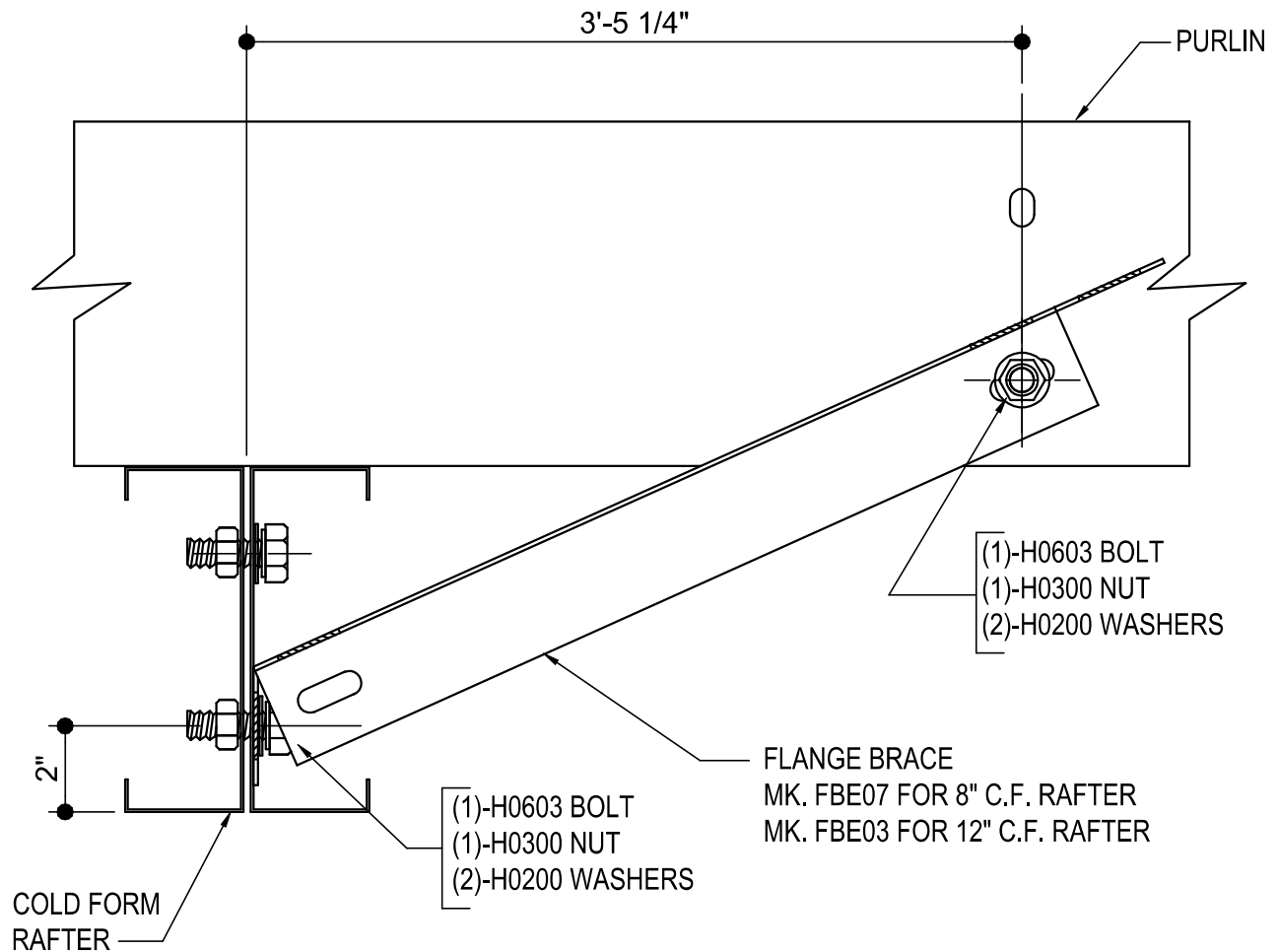
Detailer Notes:

1) N/A

AG0080 - FLANGE BRACE AT C.F. RAFTER & PURLIN

[Download the DWG file by clicking here.](#)

**NOTE:**  
1/2 X 2" A325 BOLTS ARE REQUIRED  
FOR BOLTING FLANGE BRACES.



**FLANGE BRACE AT COLD FORM RAFTER & PURLIN**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS,  
FIELD BEND FLANGE BRACE FOR PROPER FIT UP.

**AG0080**

Detailer Notes:

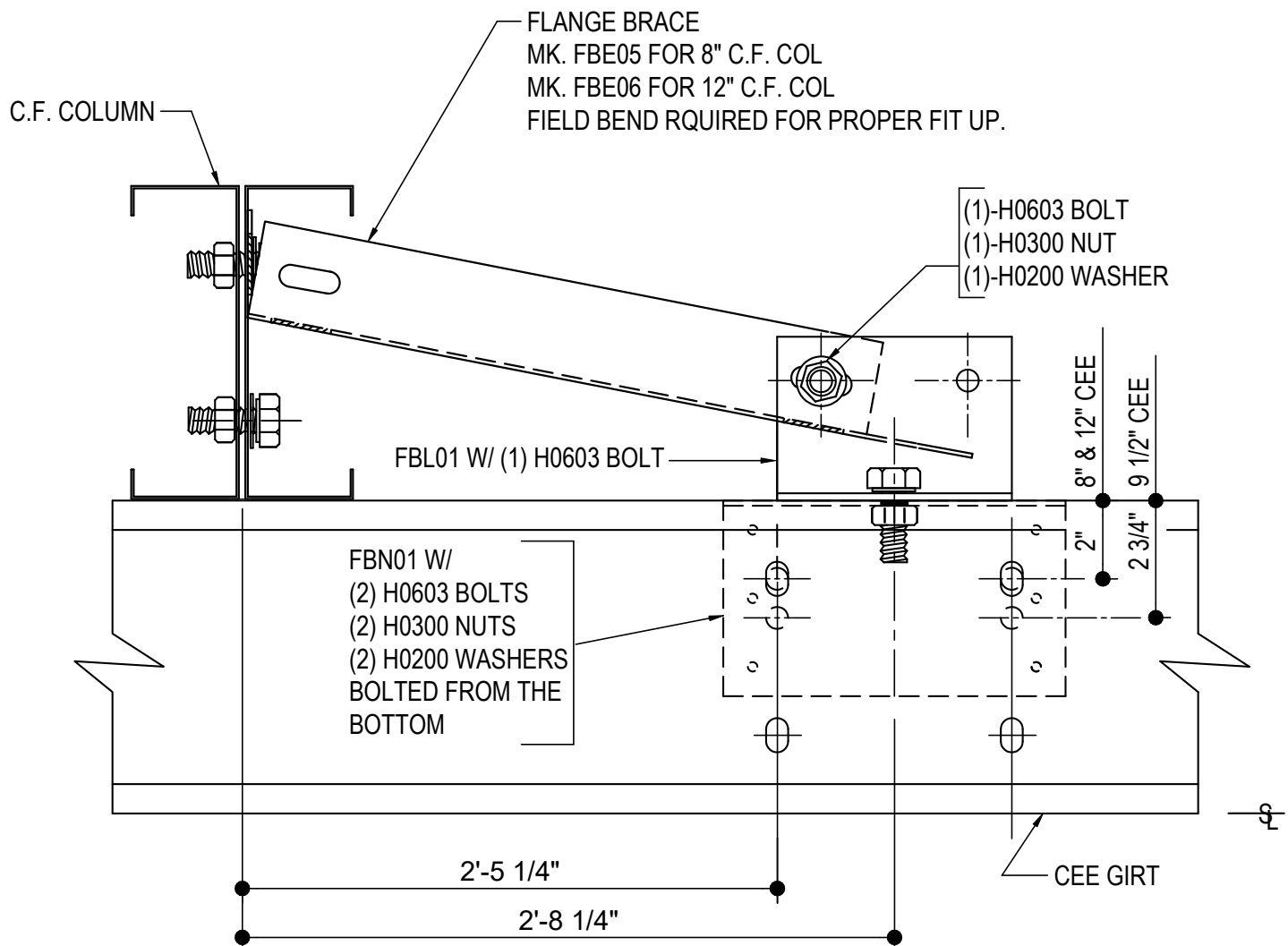
- 1) N/A



## AG0090 - FLANGE BRACE AT CF COL & CEE GIRT

[Download the DWG file by clicking here.](#)

NOTE:  
1/2 X 2" A325 BOLTS ARE REQUIRED  
FOR BOLTING FLANGE BRACES.



## FLANGE BRACE AT CF COLUMN & CEE GIRT

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS,  
INSTALL FLANGE BRACE CLIP FBN01 PRIOR TO ERECTING MASONRY WALL.

**AG0090**

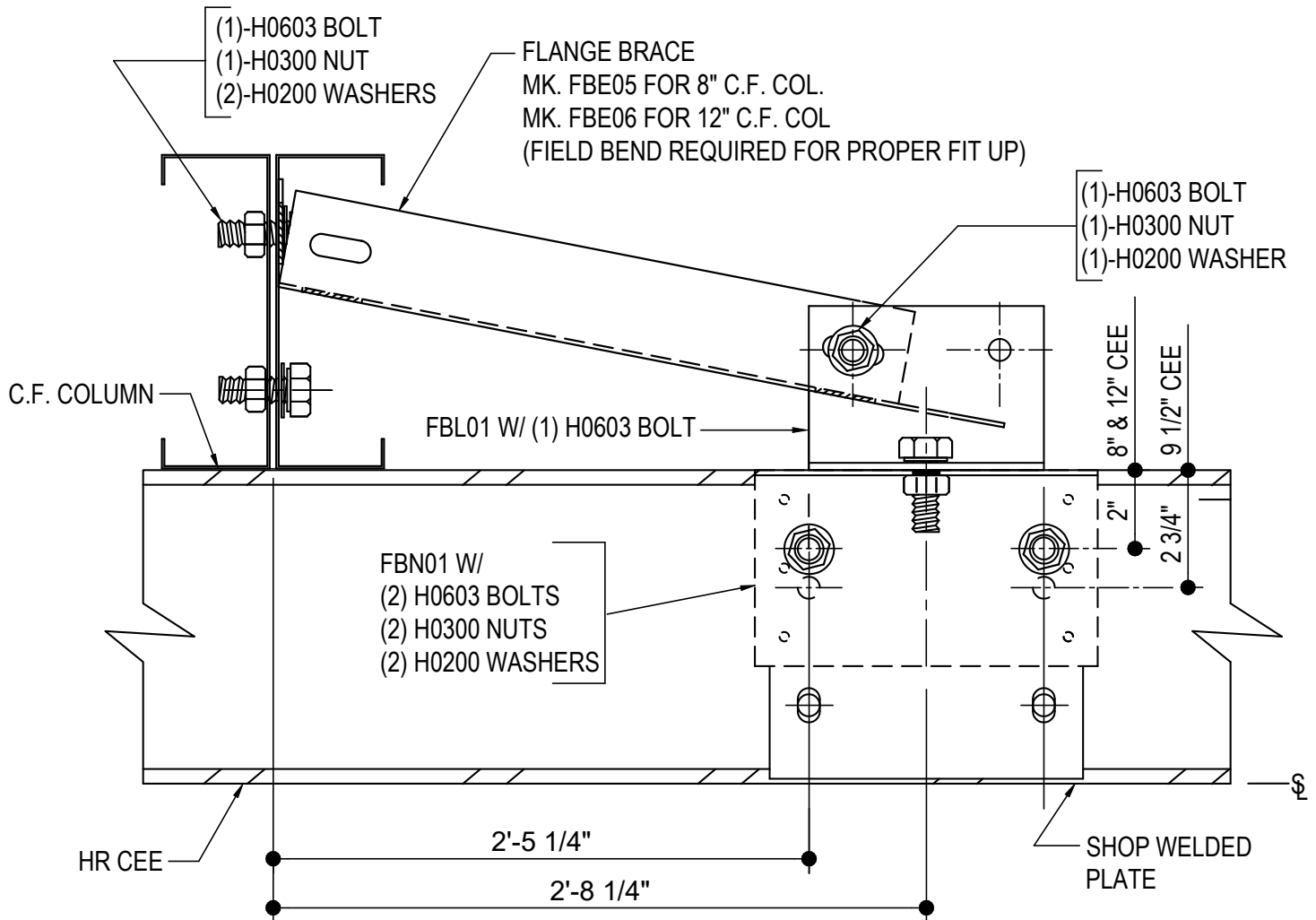
### Detailer Notes:

1) N/A

## AG0100 - FLANGE BRACE AT CF COL & HR CEE

[Download the DWG file by clicking here.](#)

**NOTE:**  
1/2 X 2" A325 BOLTS ARE REQUIRED  
FOR BOLTING FLANGE BRACES.



## FLANGE BRACE AT CF COLUMN & HR CEE

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS,  
INSTALL FLANGE BRACE CLIP FBN01 PRIOR TO ERECTING MASONRY WALL.

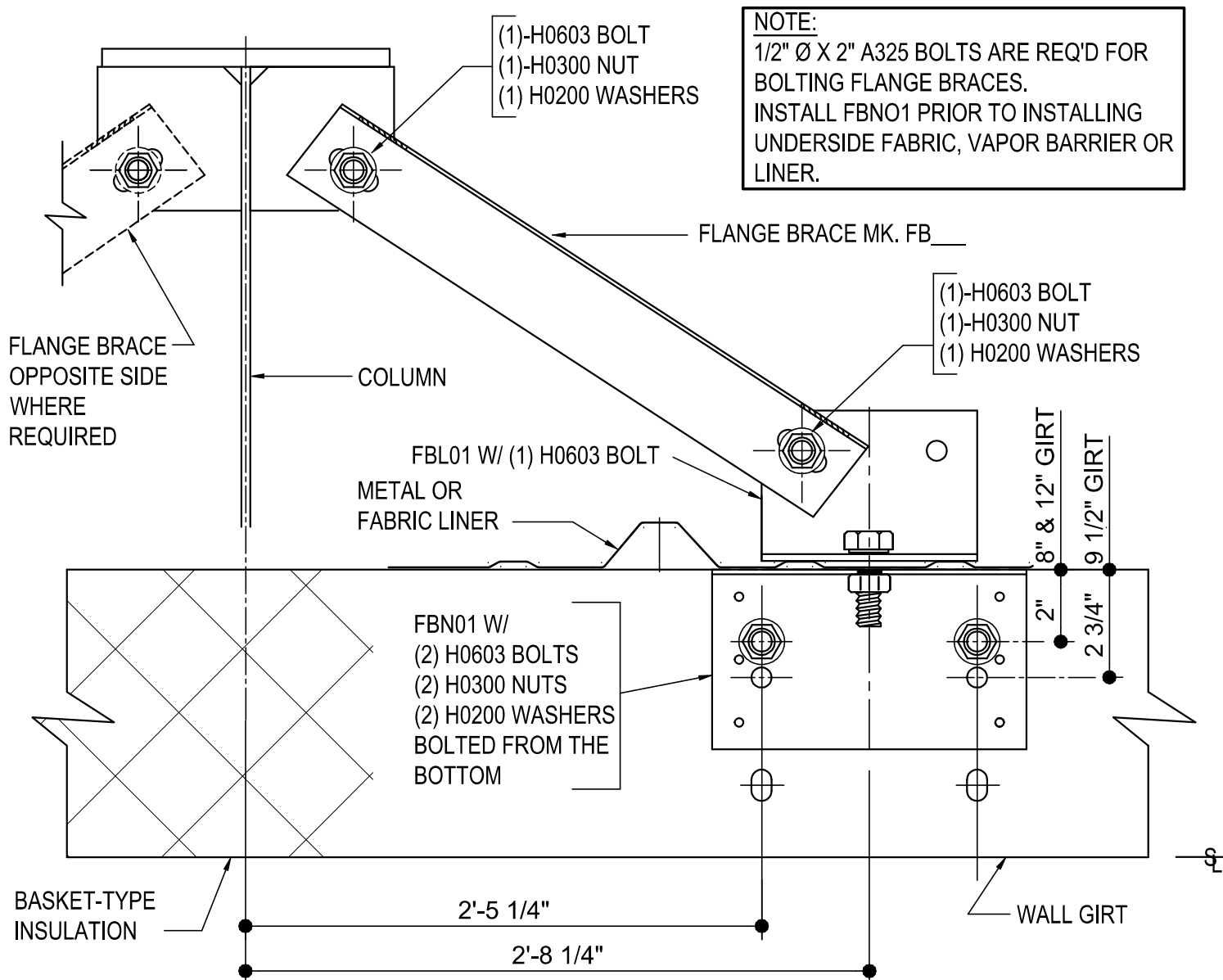
**AG0100**

### Detailer Notes:

- 1) N/A

AG0105 - FLANGE BRACE WITH BASKET INSULATION OR LINER AT COLUMN

[Download the DWG file by clicking here.](#)



**FLANGE BRACE WITH BASKET INSUL OR LINER AT COLUMN**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES

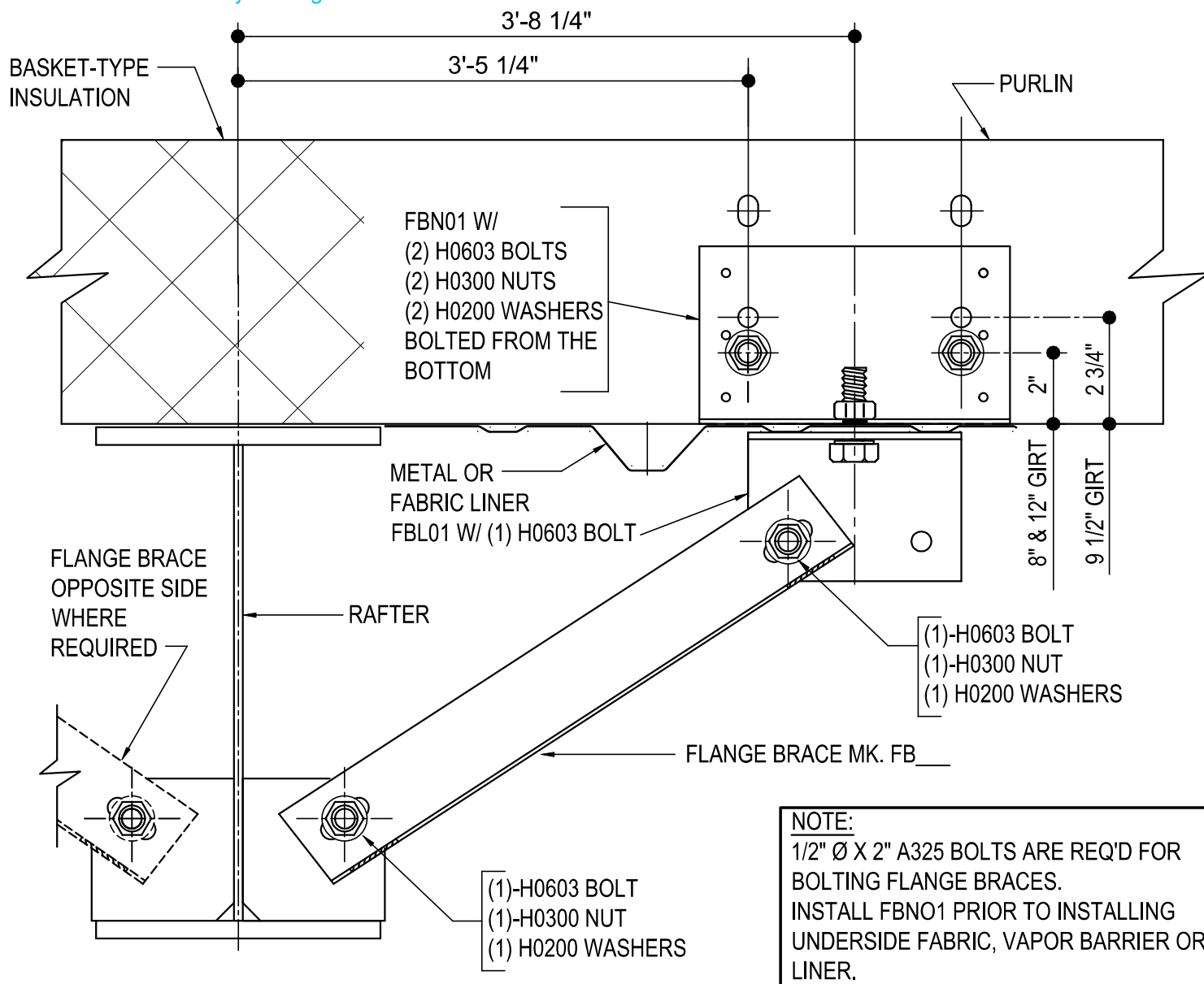
**AG0105**

Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC LINER OR METAL LINER JOBS.

AG0110 - FLANGE BRACE WITH BASKET INSUL OR LINER AT RAFTER

[Download the DWG file by clicking here.](#)



**FLANGE BRACE WITH BASKET INSUL OR LINER AT RAFTER**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES

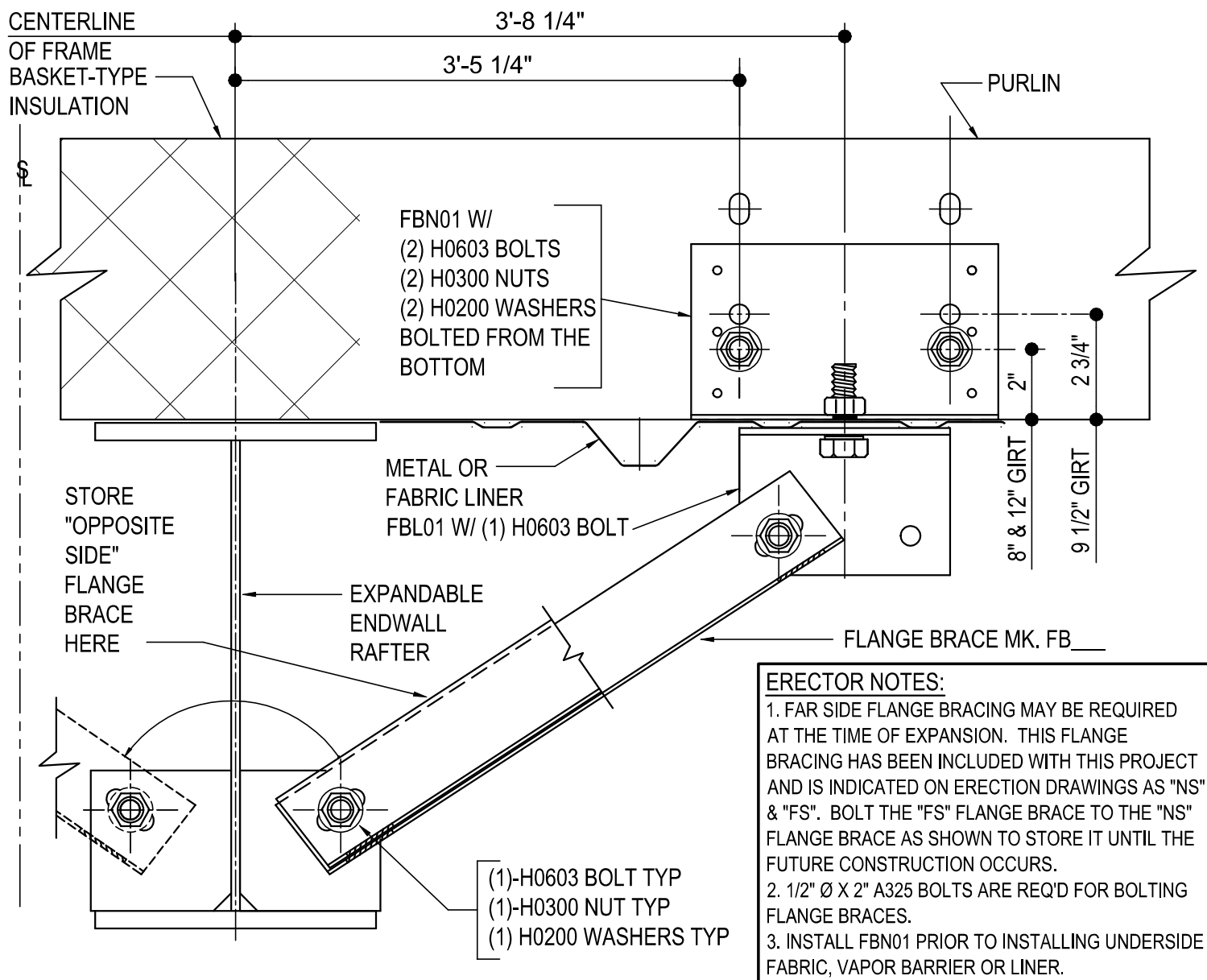
**AG0110**

Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC LINER OR METAL LINER JOBS.

AG0140 - FLANGE BRACE WITH BASKET INSUL OR LINER @ EW RAFTER

[Download the DWG file by clicking here.](#)



**FLANGE BRACE WITH BASKET INSUL OR LINER @ EW RAFTER**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

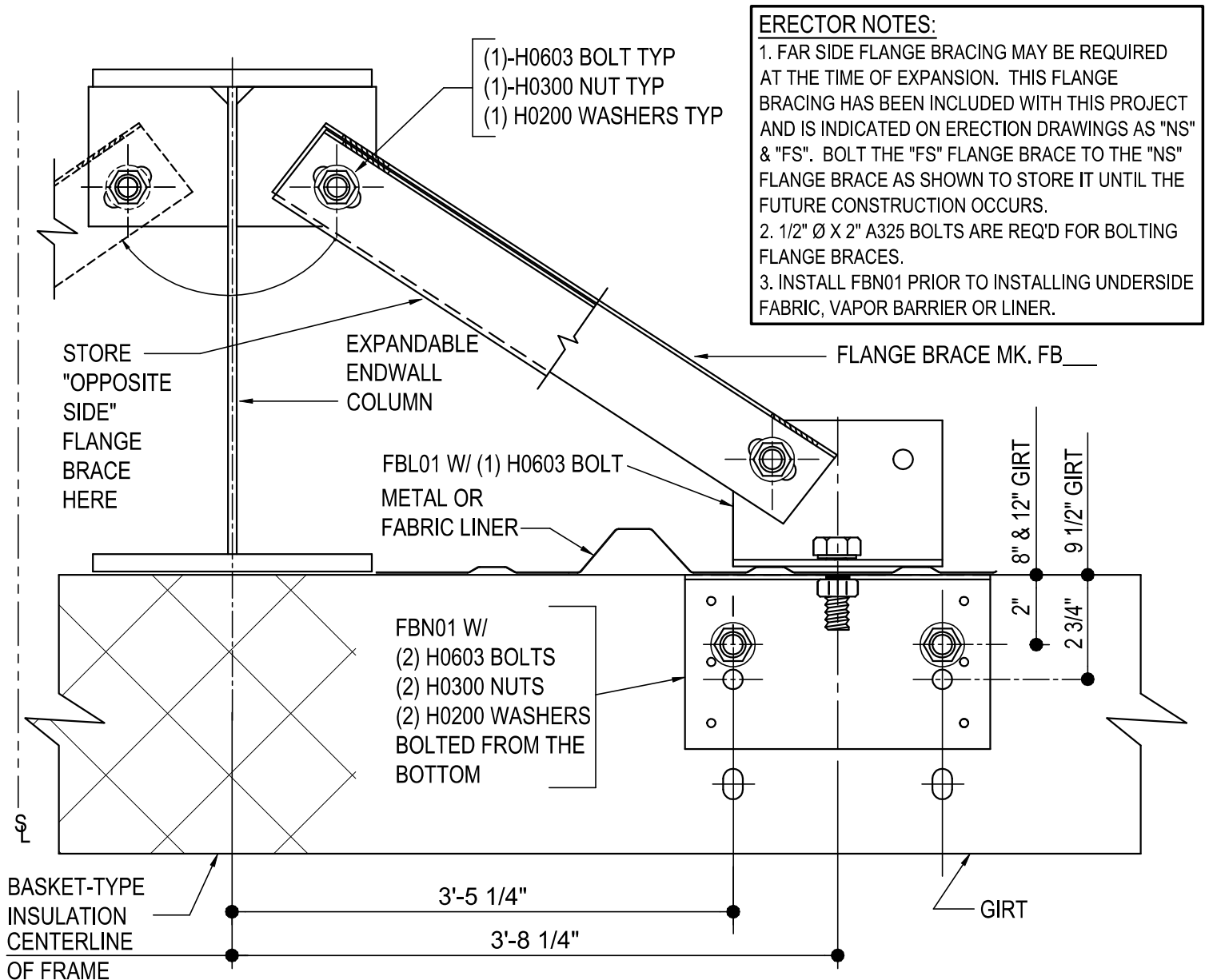
**AG0140**

Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC LINER OR METAL LINER JOBS.

AG0160 - FLANGE BRACE WITH BASKET INSUL OR LINER @ EXP EW COL

[Download the DWG file by clicking here.](#)



## FLANGE BRACE WITH BASKET INSUL OR LINER @ EW COLUMN

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

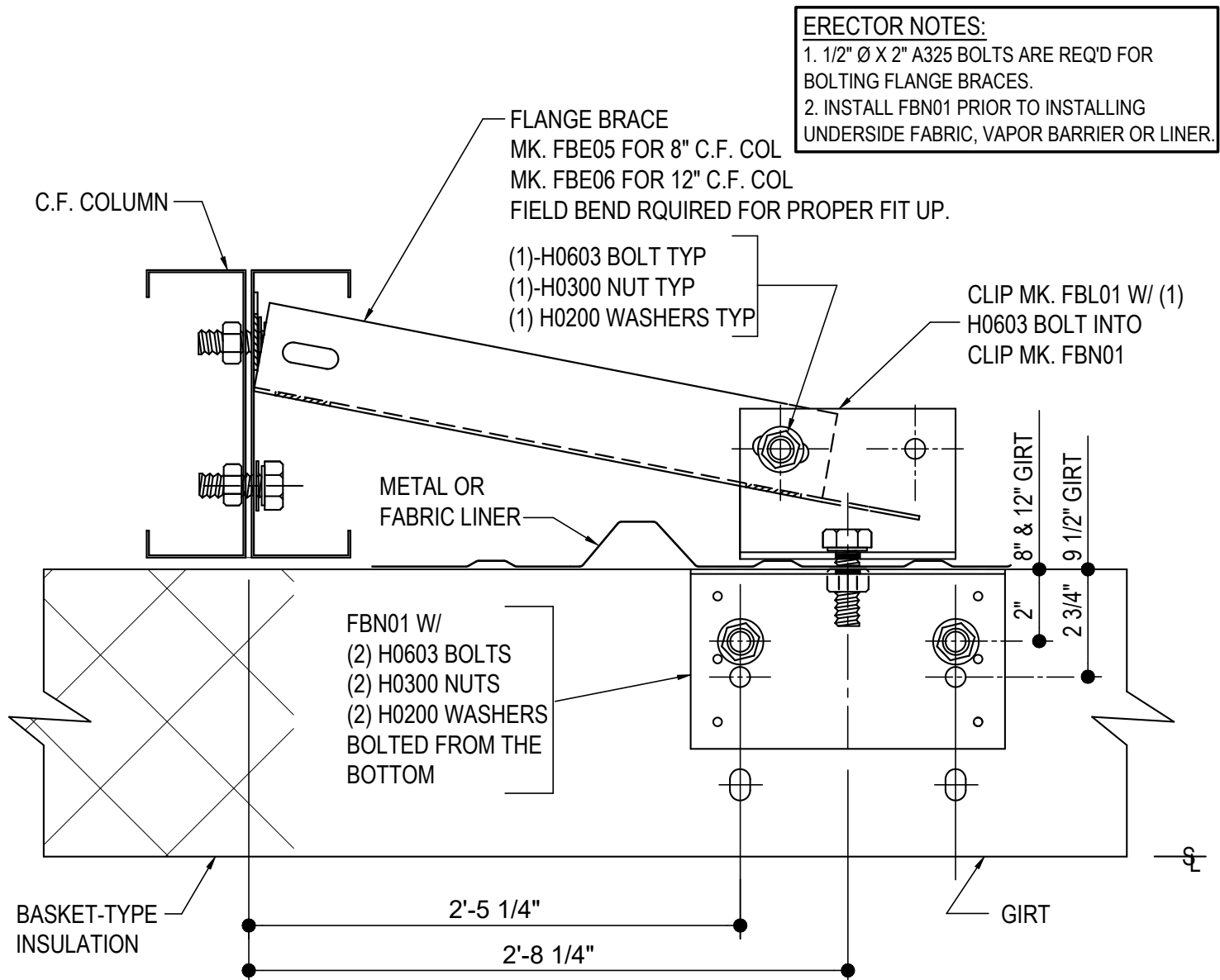
**AG0160**

Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC LINER OR METAL LINER JOBS.

## AG0170 - FLANGE BRACE AT CF COLUMN & GIRT W/ LINER

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT COLD FORM COLUMN & GIRT

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

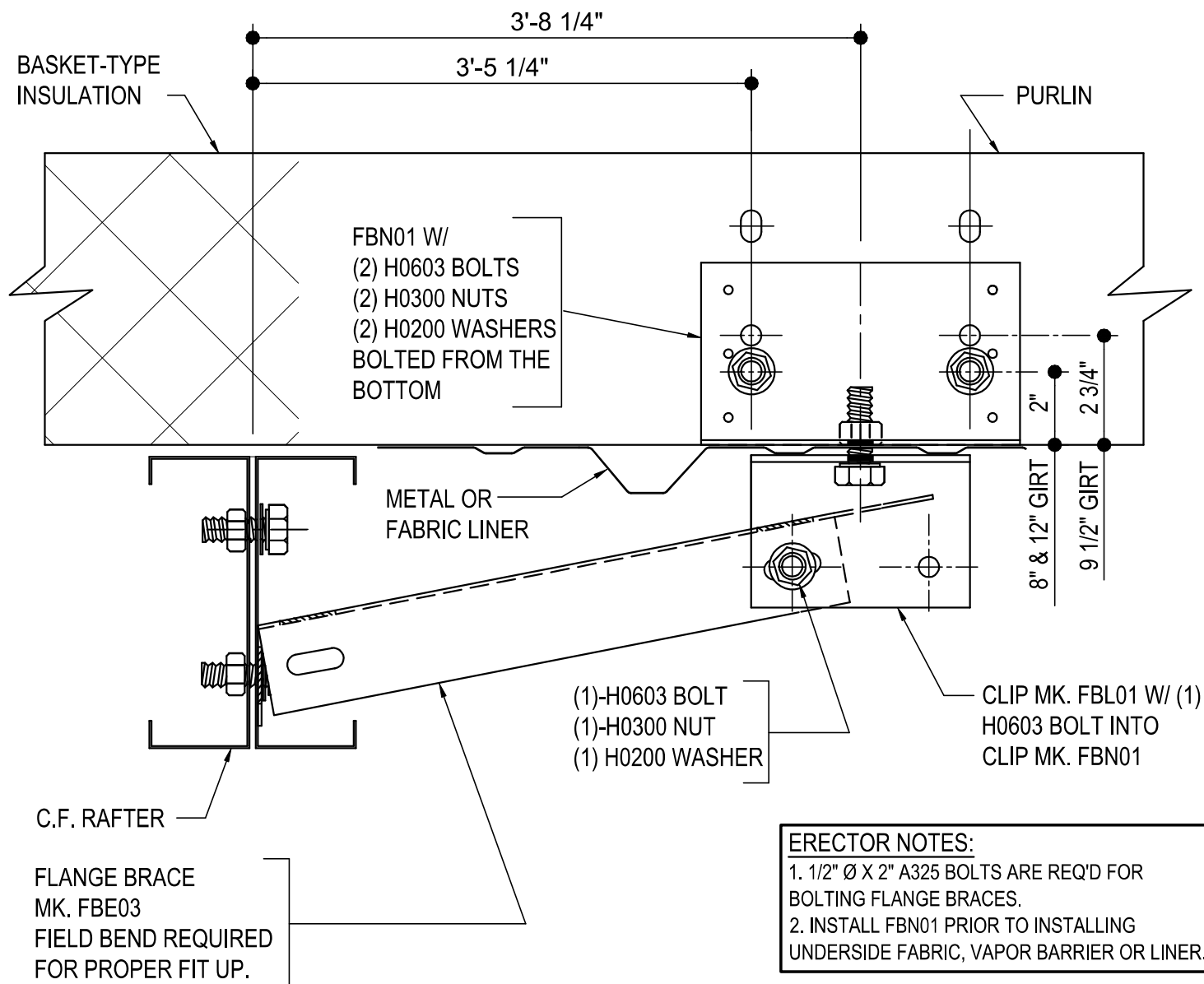
**AG0170**

### Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC OR METAL LINER JOBS.

AG0180 - FLANGE BRACE AT CF RAFTER & PURLIN W/ LINER

[Download the DWG file by clicking here.](#)



**FLANGE BRACE AT COLD FORM RAFTER & PURLIN**

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

**AG0180**

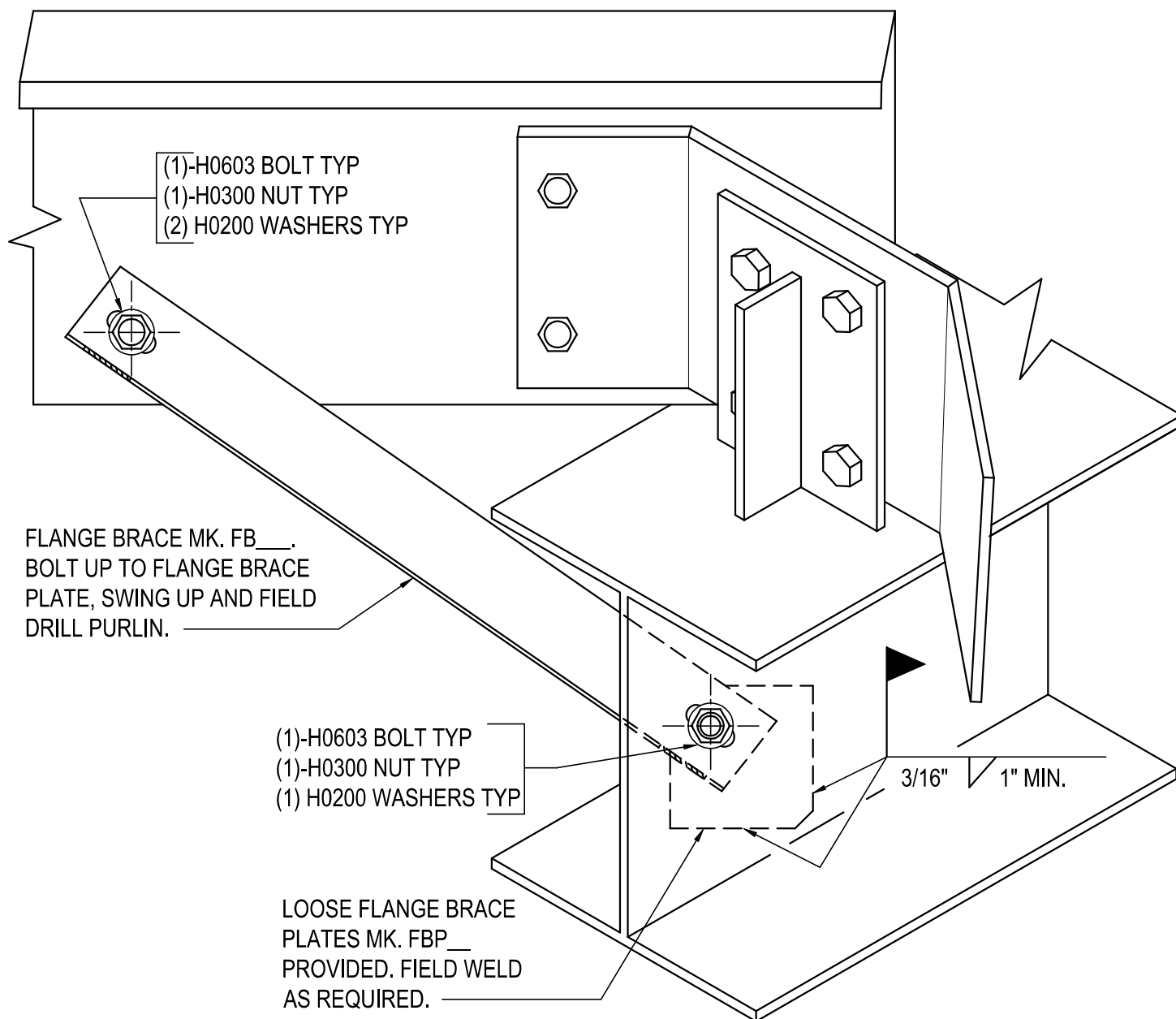
Detailer Notes:

- 1) USE DETAIL ON ALL BASKET TYPE INSULATION SYSTEMS, FABRIC OR METAL LINER JOBS.



AG0210 - FLANGE BRACE PURLIN & HIP/VALLEY RAFTER

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT PURLIN & HIP/VALLEY RAFTER

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE LOCATIONS, PART MARKS, & QUANTITIES.

1/2"Ø X 2" A325 BOLTS ARE REQ'D FOR BOLTING FLANGE BRACES.

**AG0210**

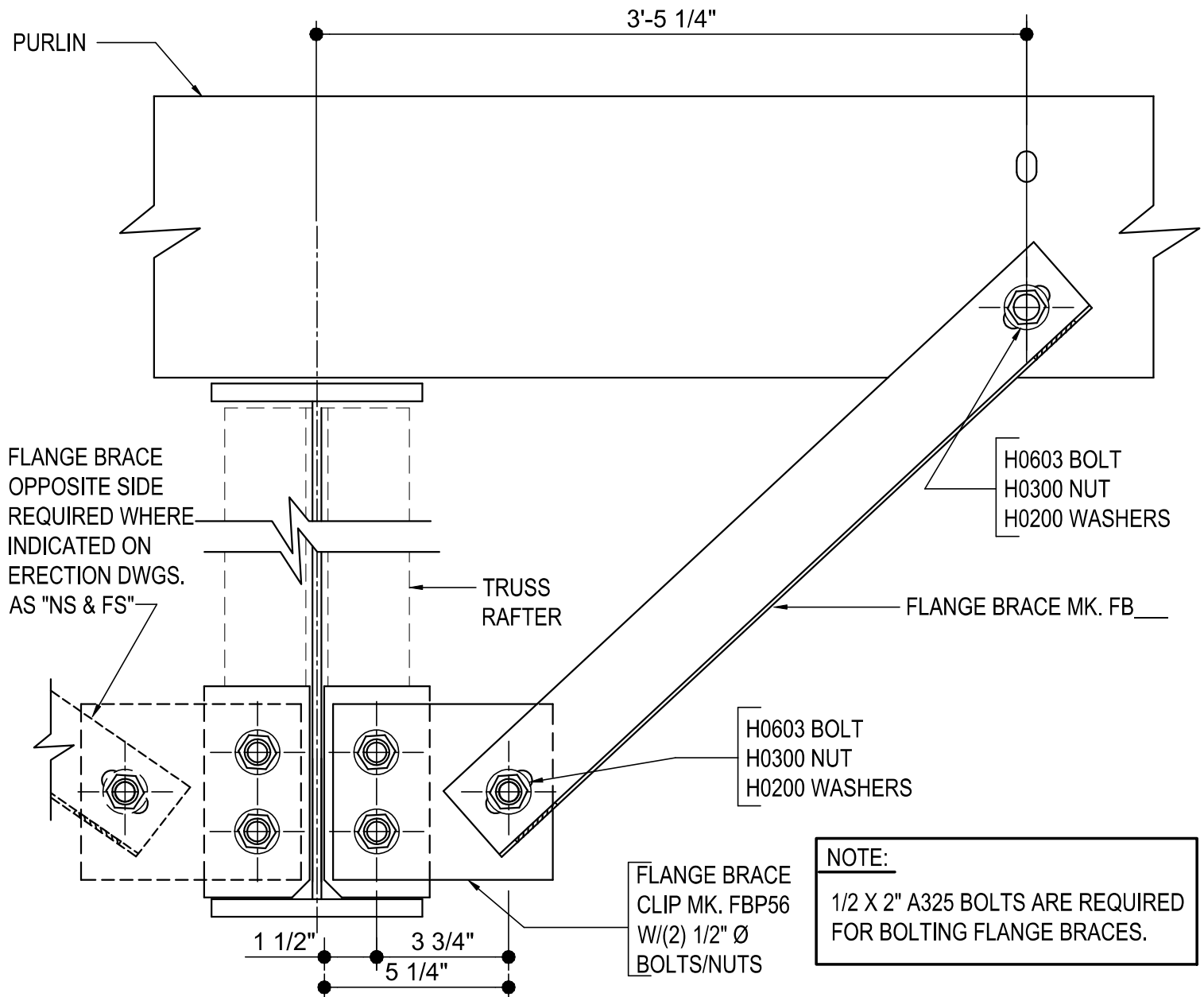
Detailer Notes:

1) N/A

AG0210

AG0500 - FLANGE BRACE @ TRUSS FRAME (6" RAFTER FLANGES)

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT TRUSS FRAME

BOLTED FLANGE BRACING AT 6" FLANGES

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

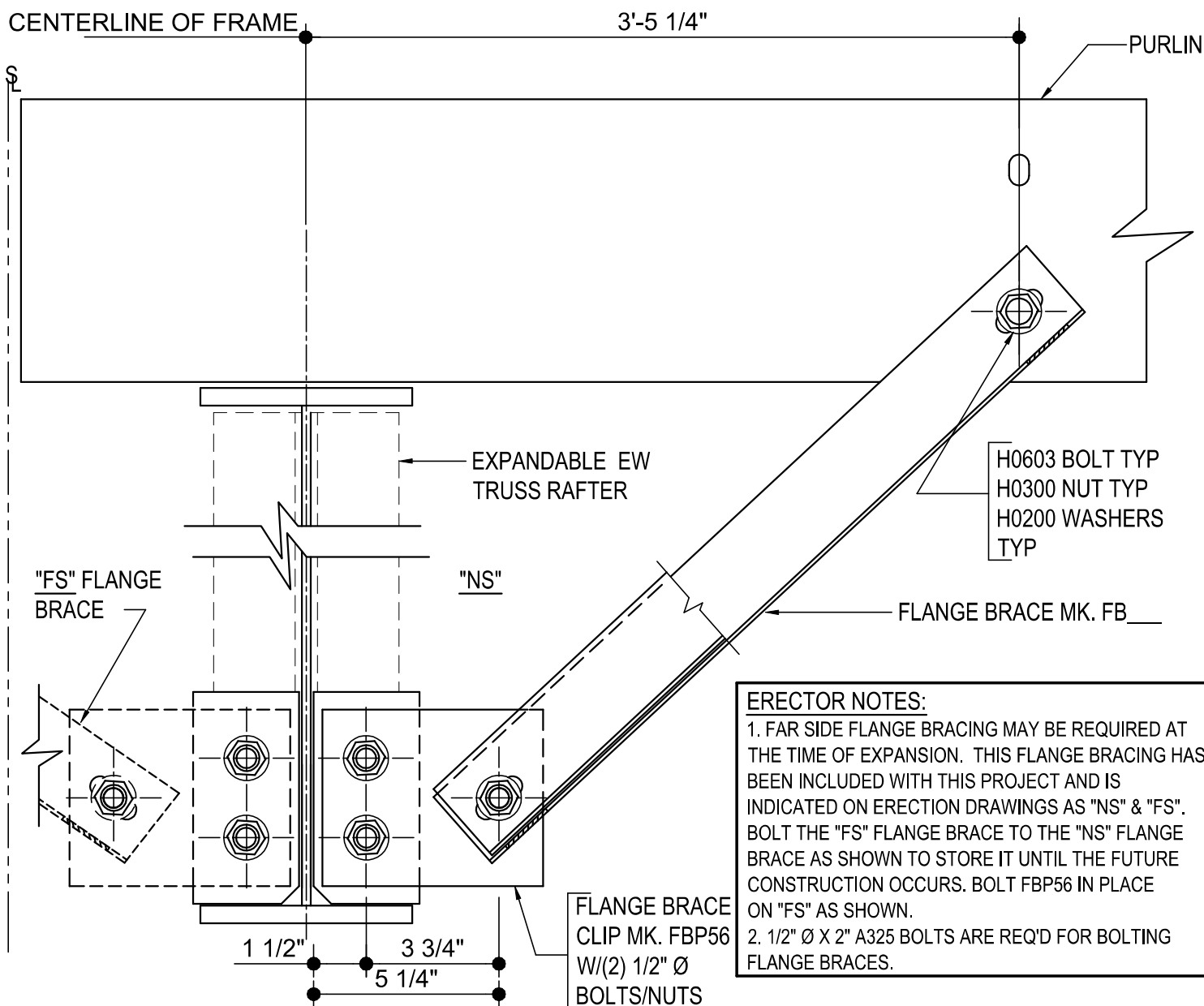
**AG0500**

Detailer Notes:

- 1) A STANDARD FLANGE BRACE IS ONLY ALLOWED ON RAFTERS 60" OR LESS WITH PURLINS. VERIFY WITH ENGINEER IF THE STANDARD FLANGE BRACING IS SPECIFIED OVER 60".

AG0510 - FLANGE BRACE @ EXP EW TRUSS FRAME (6" RAFTER FLANGES)

[Download the DWG file by clicking here.](#)



## FLANGE BRACE AT EXPANDABLE EW TRUSS FRAME

BOLTED FLANGE BRACING AT 6" FLANGES

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

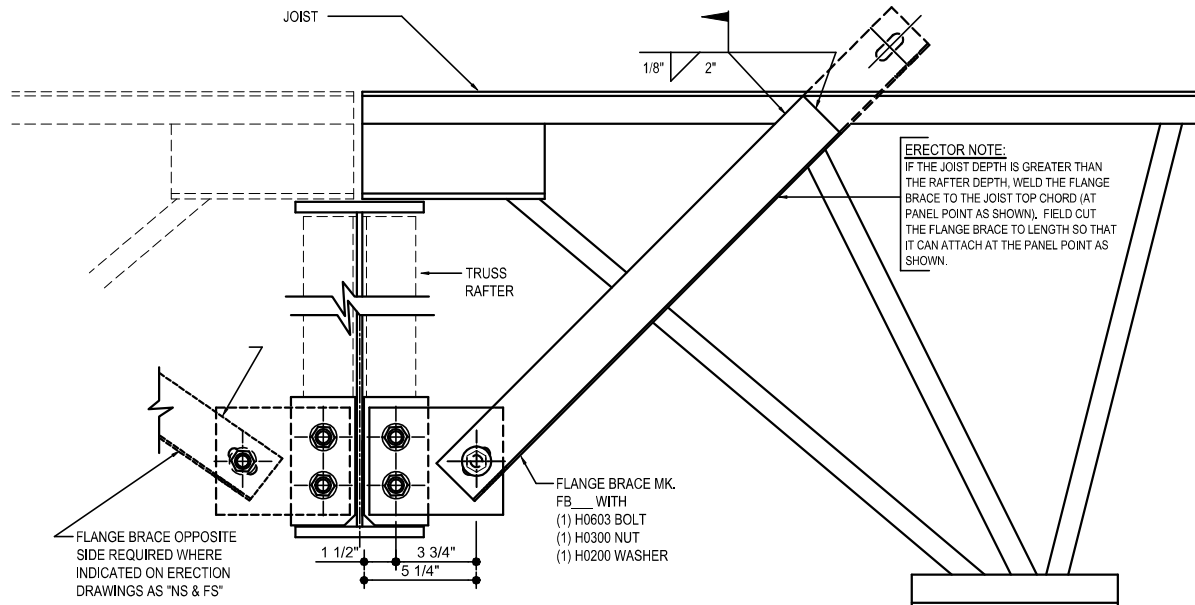
**AG0510**

Detailer Notes:

- 1) A STANDARD FLANGE BRACE IS ONLY ALLOWED ON RAFTERS 60" OR LESS WITH PURLINS. VERIFY WITH ENGINEER IF THE STANDARD FLANGE BRACING IS SPECIFIED OVER 60".

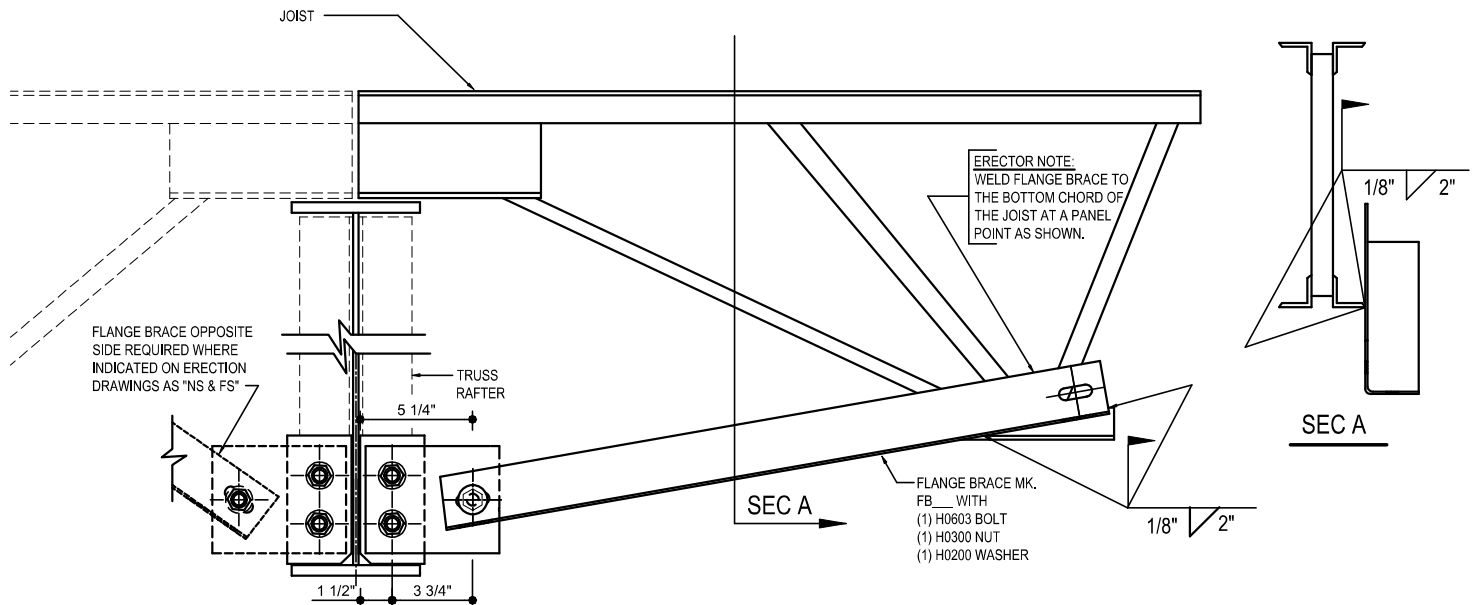
## AG0520 - FLANGE BRACE DETAILS FOR JOIST TO TRUSS RAFTER CONNECTION (6" RAFTER FLANGES)

[Download the DWG file by clicking here.](#)



### FLANGE BRACE DETAILS IF JOIST DEPTH GREATER THAN TRUSS RAFTER DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS



### FLANGE BRACE DETAILS IF TRUSS RAFTER DEPTH GREATER THAN JOIST DEPTH

ALL FLANGE BRACE CONNECTIONS REQUIRE 1/2" x 2" A325 BOLTS UNLESS NOTED OTHERWISE  
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

AG0520

#### Detailer Notes:

- 1) N/A