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BI9000 - FRAMING PLAN NOTE

Download the DWG file by clicking here.



**ROOF SECONDARY** 

THIS IS THE JOIST FRAMING PLAN. FOR ALL JOIST BRIDGING REQUIREMENTS AND INSTALLATION DETAILS, REFERENCE THE SEPARATE JOIST BRIDGING PACKET.

1	١	N/A

BI9001 - ROOF COVER PAGE

Download the DWG file by clicking here.

**Detailer Notes:** 

2 x 1



# ROOF JOIST BRIDGING REQUIREMENTS AND INSTALLATION DETAILS

#### **ROOF JOIST BRIDGING ERECTION NOTE:**

The manufacturer of the roof joists under the Valley Steel Building Group Contract for this project has determined the bridging requirements for stability and safety. The joist manufacturer has selected a bridging "Condition" for each bay of joist and has identified these conditions on the Joist Bridging Plan. Cross reference the plan with the details to determine the bridging requirements in each joist bay.

1) N/A

**Detailer Notes:** 

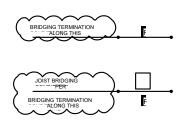
Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



# JOIST BRIDGING ROOF SECONDARY

#### BI9002 - ROOF FRAMING PLAN NOTES

Download the DWG file by clicking here.



#### **ERECTION NOTE:**

ERECTION NOTE:

IDENTIFY THE JOIST BRIDGING 'CONDITIONS' ON THIS PLAN FOR EACH BAY, AND REFER TO THE FOLLOWING DETAIL SHEETS FOR SPECIFIC INSTALLATION AND TERMINATION GUIDANCE. JOIST MUST BE ERECTED IN ACCORDANCE WITH O.S.H.A. SAFETY REGULATIONS AND WELDING PERFORMED BY A.W.S. QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED.

JOIST BRIDGING PLAN

**Detailer Notes:** 

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: 07.24.20

(2020.008)

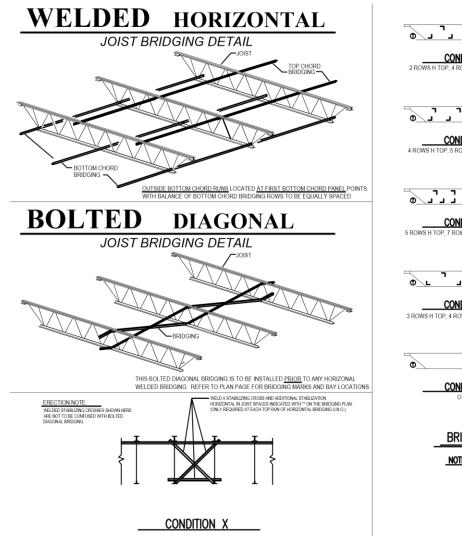
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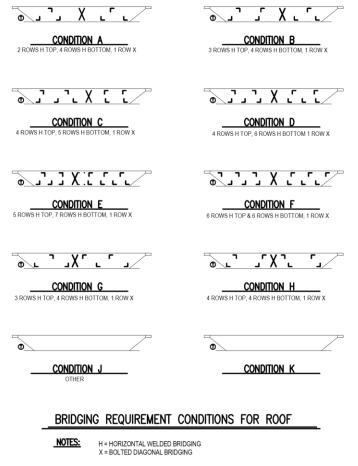


**ROOF SECONDARY** 

1) CONDITION "R" SHOWN FOR REFERENCE ONLY, ADJUST AS REQUIRED BI9003 - WELDED ROOF BRIDGING

Download the DWG file by clicking here.





AND ARE INDEPENDENT OF EACH OTHER, AND MAY NOT LINE UP

**Detailer Notes:** 

Issued : Issued By : WME OTHER

BI9003



**ROOF SECONDARY** 

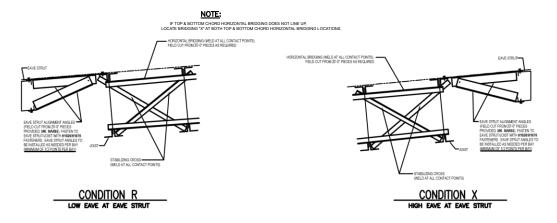
-LOCATE THE FIRST ROW OF BOTTOM CHORD BRIDGING AT THE FIRST BOTTOM CHORD PANEL POINT, AT EACH END.

-TOP AND BOTTOM BRIDGING ROWS SHOULD BE EQUALLY SPACED

1) THIS DETAIL CAN BE USED FOR STANDING SEAM ROOFS, BUT CONSIDER USING DETAIL BI9005 TO HELP ELIMINATE CONFUSION IN THE FIELD ABOUT PROPER WELD LOCATIONS FOR HORIZONTAL BRIDGING.

09.02.20 (MR2020.009)
BI9004 - WELDED ROOF BRIDGING TERMINATION
Download the DWG file by clicking here.

#### WELDED HORIZONTAL BRIDGING TERMINATION CONDITIONS



**Detailer Notes:** 

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Issued



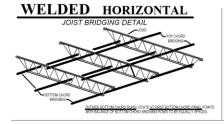
**ROOF SECONDARY** 

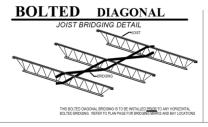
# NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. BRIDGING DOES NOT TYPICALLY LINE UP FROM TOP TO BOTTOM. PROVIDE ACCESSORIES TO ACCOMMODATE. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED AT ALL TOP & BOTTOM CHORD ROWS. FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BE LOCATED ROWS. NOTE: FOR TERMINATION CROSS BRIDGING WILL BRIDG

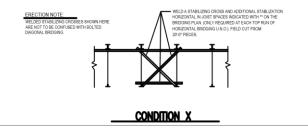
1) N/A

07.24.20 (2020.008) BI9005 - WELDED ROOF BRIDGING (STANDING SEAM ONLY)

Download the DWG file by clicking here.







**Detailer Notes:** 

Issued By : WME

Issued



**ROOF SECONDARY** 

BI9005

- 1) SEE THE WELDED BRIDGING EXAMPLE DRAWINGS. ALL THE JOISTS ARE SAVED AS BLOCKS IN MODEL SPACE. FOR LARGER PROJECTS YOU MAY NEED MORE THAN ONE OF THESE DETAILS.
- 2) THIS DETAIL IS TO ONLY BE USED AT STANDING SEAM ROOFS. THIS IS TO HELP THE ERECTORS TO PROPERLY LOCATE WELDED LOCATIONS OF THE HORIZONTAL BRIDGING.

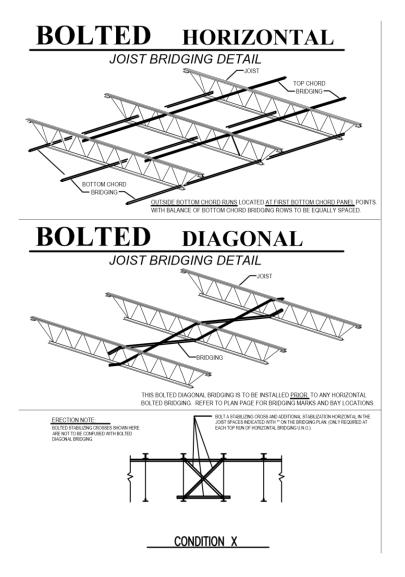
09.02.20 (MR2020.009) BI9006 - BOLTED ROOF BRIDGING Download the DWG file by clicking here.

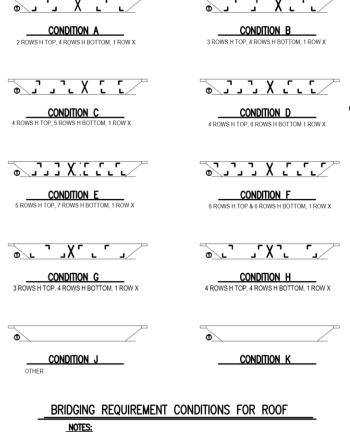
Detailer Notes:

Issued : CERTIFIED ERECTION DETAILS Detail Size (W x H) : 4 x 3



**ROOF SECONDARY** 





BI9006

\_\_\_\_

H = HORIZONTAL WELDED BRIDGING X = BOLTED DIAGONAL BRIDGING

-LOCATE THE FIRST ROW OF BOTTOM CHORD BRIDGING AT THE FIRST BOTTOM CHORD PANEL POINT, AT EACH END.

OTHER

**Detailer Notes:** 

Issued : Issued By : WME



# JOIST BRIDGING ROOF SECONDARY

1) N/A

09.02.20 (MR2020.009)

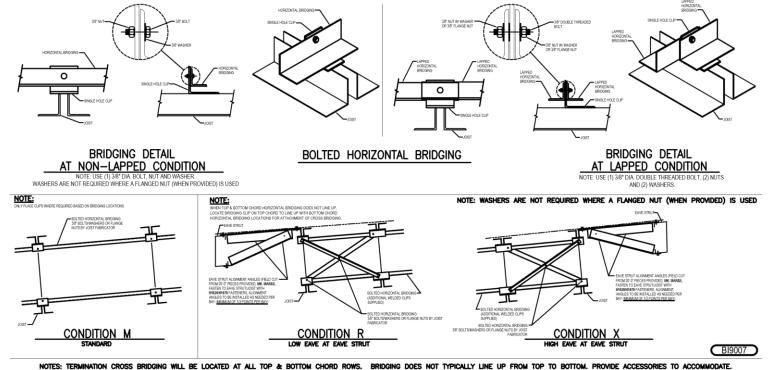
BI9007 - BOLTED HORIZONTAL BRIDGING Download the DWG file by clicking here.

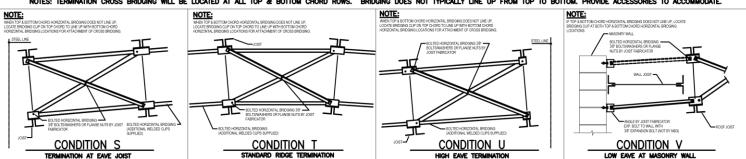
**Detailer Notes:** 

Issued : Issued By : WME



**ROOF SECONDARY** 





**Detailer Notes:** 

Issued : Issued By : WME



# JOIST BRIDGING ROOF SECONDARY

1) N/A

07.24.20 (2020.008)

**Detailer Notes:** 

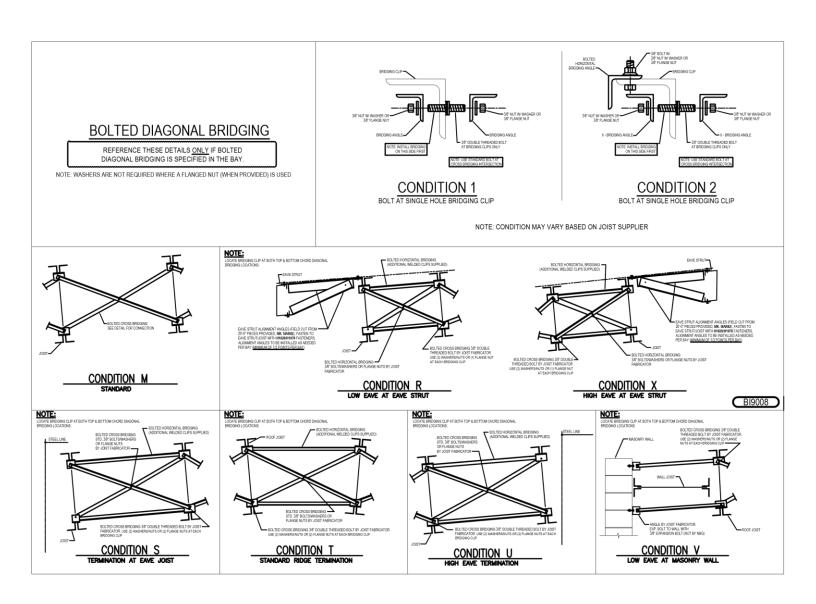
Issued : Issued By : WME



**ROOF SECONDARY** 

#### BI9008 - BOLTED DIAGONAL BRIDGING

Download the DWG file by clicking here.



#### **Detailer Notes:**

Issued :

**ROOF SECONDARY** 

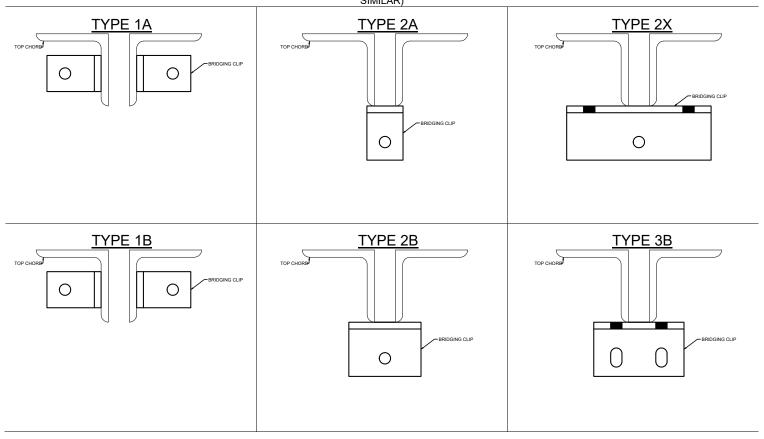
1) CONDITION STYLES VARY PER VULCRAFT DIVISION.

03.30.21 (MR2021.04) CF BI9009 - BOLTED BRIDGING CLIP STYLES

Download the DWG file by clicking here.

#### **BOLTED BRIDGING CLIP STYLES**

NOTE: STYLES MAY VARY DEPENDING ON JOIST SUPPLIER. (TOP CHORD SHOWN / BOTTOM CHORD SIMILAR)



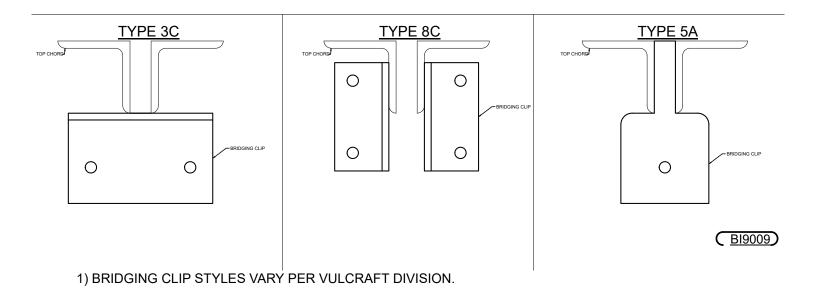
**Detailer Notes:** 

1) N/A

Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



**ROOF SECONDARY** 



03.30.21 (MR2021.04) CF 3 X 3

BI9026 - MEZZANINE COVER PAGE

Download the DWG file by clicking here.

# MEZZANINE BRIDGING

**Detailer Notes:** 

Issued :



# REQUIREMENTS AND INSTALLATION DETAILS

#### MEZZANINE JOIST BRIDGING ERECTION NOTE:

The manufacturer of the mezzanine joists under the Valley Steel Building Group Contract for this project has determined the bridging requirements for stability and safety. The joist manufacturer has selected a bridging "Condition" for each bay of joist and has identified these conditions on the Joist Bridging Plan. Cross reference the plan with the details to determine the bridging requirements in each joist bay.

**Detailer Notes:** 

1) N/A

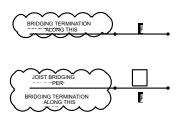
Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



# JOIST BRIDGING ROOF SECONDARY

#### BI9027 - MEZZANINE FRAMING PLAN NOTES

Download the DWG file by clicking here.



ERECTION NOTE:
IDENTIFY THE JOIST BRIDGING 'CONDITIONS' ON THIS PLAN FOR EACH BAY, AND

REFER TO THE FOLLOWING DETAIL SHEETS FOR SPECIFIC INSTALLATION AND SAFETY REGULATIONS AND WELDING PERFORMED BY A.W.S. QUALIFIED WELDERS JOIST BRIDGING

PLAN

TERMINATION GUIDANCE. JOIST MUST BE ERECTED IN ACCORDANCE WITH O.S.H.A.

FOR THE WELDING PROCESSES AND POSITIONS INDICATED.

**Detailer Notes:** 

Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



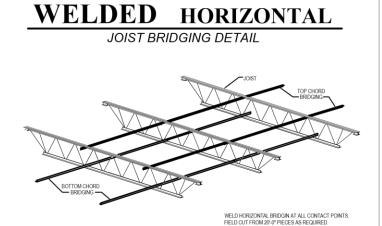
**ROOF SECONDARY** 

BI9028

2 ROWS H TOP. 2 ROWS H BOTTOM

1) CONDITION "R" SHOWN FOR REFERENCE ONLY, ADJUST AS REQUIRED. BI9028 - STANDARD MEZZANINE BRIDGING

Download the DWG file by clicking here.



# **BOLTED** DIAGONAL

JOIST BRIDGING DETAIL

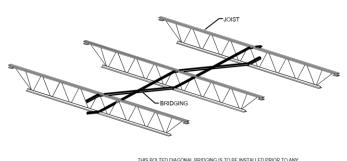
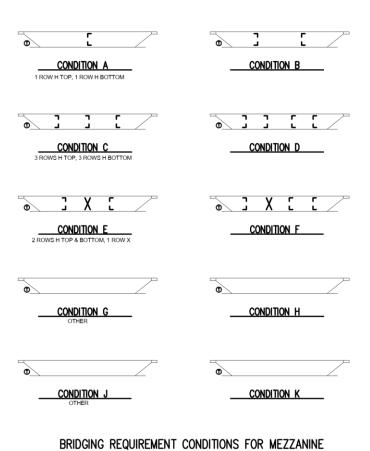


FIGURE OF THE STATE OF THE STAT



NOTES: H = HORIZONTAL WELDED BRIDGING
X = BOLTED DIAGONAL BRIDGING

<u>Detailer Notes:</u>

1) N/A

Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



**ROOF SECONDARY** 

4 ROWS H TOP, 4 ROWS H BOTTOM	
3 ROWS H TOP & BOTTOM, 1 ROW X	
OTHER	
071/50	

-TOP AND BOTTOM BRIDGING ROWS SHOULD BE EQUALLY SPACED. AND BOTTOM CHORD BRIDGING IS ALIGNED WITH TOP CHORD BRIDGING.

 ${\tt BI9029}$  - WELDED MEZZANINE BRIDGING TERMINATIONS

Download the DWG file by clicking here.

**Detailer Notes:** 

1) N/A

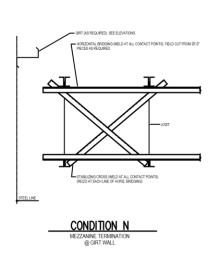
Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3

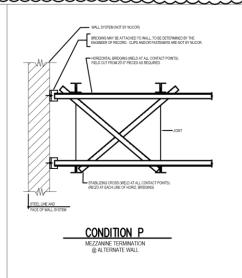


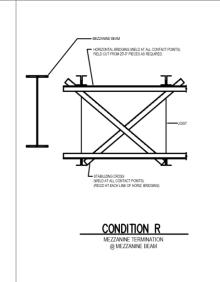
**ROOF SECONDARY** 

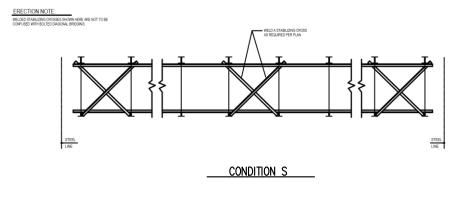
#### WELDED HORIZONTAL BRIDGING TERMINATION CONDITIONS

REFERENCE THESE DETAILS ONLY IF WELDED DIAGONAL BRIDGING IS SPECIFIED IN THE BAY









BI9029

#### BI9030 - BOLTED MEZZANINE BRIDGING TERMINATIONS

Download the DWG file by clicking here.

**Detailer Notes:** 

1) N/A

Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3

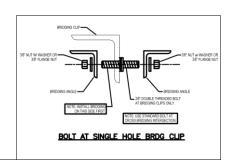


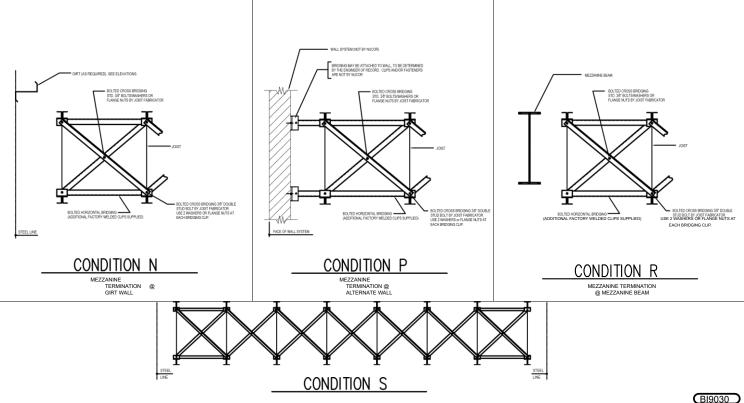
**ROOF SECONDARY** 

#### **BOLTED DIAGONAL BRIDGING TERMINATION CONDITIONS**

REFERENCE THESE DETAILS ONLY IF BOLTED DIAGONAL BRIDGING IS SPECIFIED IN THE BAY.

NOTE: WASHERS ARE NOT REQUIRED WHERE A FLANGED NUT (WHEN PROVIDED) IS USED





BI9031 - BOLTED MEZZANINE BRIDGING

Download the DWG file by clicking here.

**Detailer Notes:** 

1) N/A

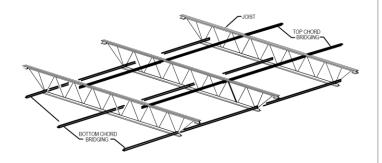
Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3



**ROOF SECONDARY** 

### **BOLTED** HORIZONTAL

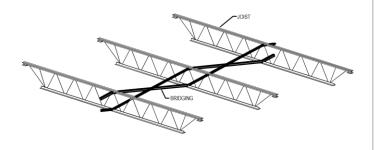
JOIST BRIDGING DETAIL



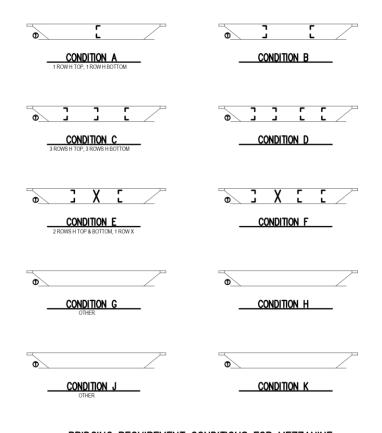
OUTSIDE BOTTOM CHORD RUNS LOCATED AT FIRST BOTTOM CHORD PANEL POINTS WITH BALANCE OF BOTTOM CHORD BRIDGING ROWS TO BE EQUALLY SPACED

#### **BOLTED DIAGONAL**

JOIST BRIDGING DETAIL



THIS BOLTED DIAGONAL BRIDGING IS TO BE INSTALLED PRIOR TO ANY HORIZONTAL BOLTED BRIDGING. REFER TO PLAN PAGE FOR BRIDGING MARKS AND BAY LOCATIONS



BRIDGING REQUIREMENT CONDITIONS FOR MEZZANINE

NOTES: H = HORIZONTAL BOLTED BRIDGING X = BOLTED DIAGONAL

BI9031 2 ROWS H TOP, 2 ROWS H BOTTOM

4 ROWS H TOP, 4 ROWS H BOTTOM

3 ROWS H TOP & BOTTOM, 1 ROW X

**Detailer Notes:** 

Issued

1) N/A

: 07.24.20 Issued By: WME

(2020.008)

Detail Size (W x H): 4 x 3



**ROOF SECONDARY** 

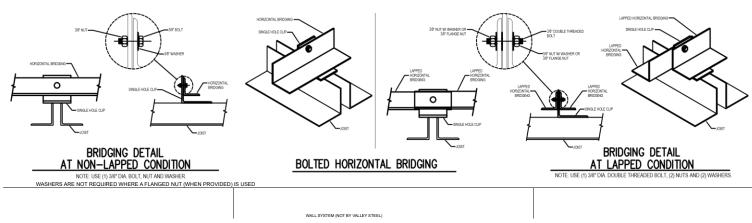
OTHER

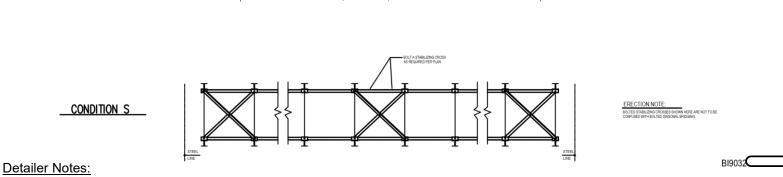
OTHER

- TOP AND BOTTOM BRIDGING ROWS SHOULD BE EQUALLY SPACED.
AND BOTTOM CHORD BRIDGING IS ALIGNED WITH TOP CHORD BRIDGING.

#### BI9032 - BOLTED MEZZANINE BRIDGING

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Issued : 07.24.20 (2020.008) **CERTIFI** 

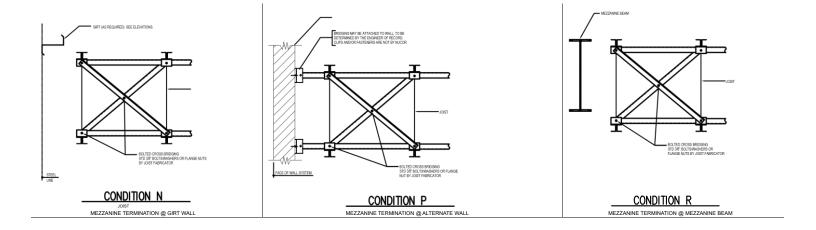
Issued By: WME

1) N/A

Detail Size (W x H): 4 x 3



**ROOF SECONDARY** 



**Detailer Notes:** 

1) N/A

Issued : 07.24.20 (2020.008) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 4 x 3