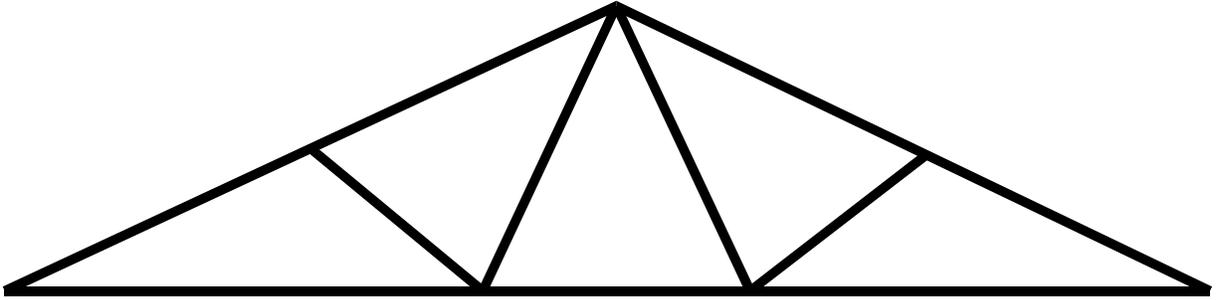


# METWOOD

BUILDING SOLUTIONS

STANDARD DETAILS



# METWOOD

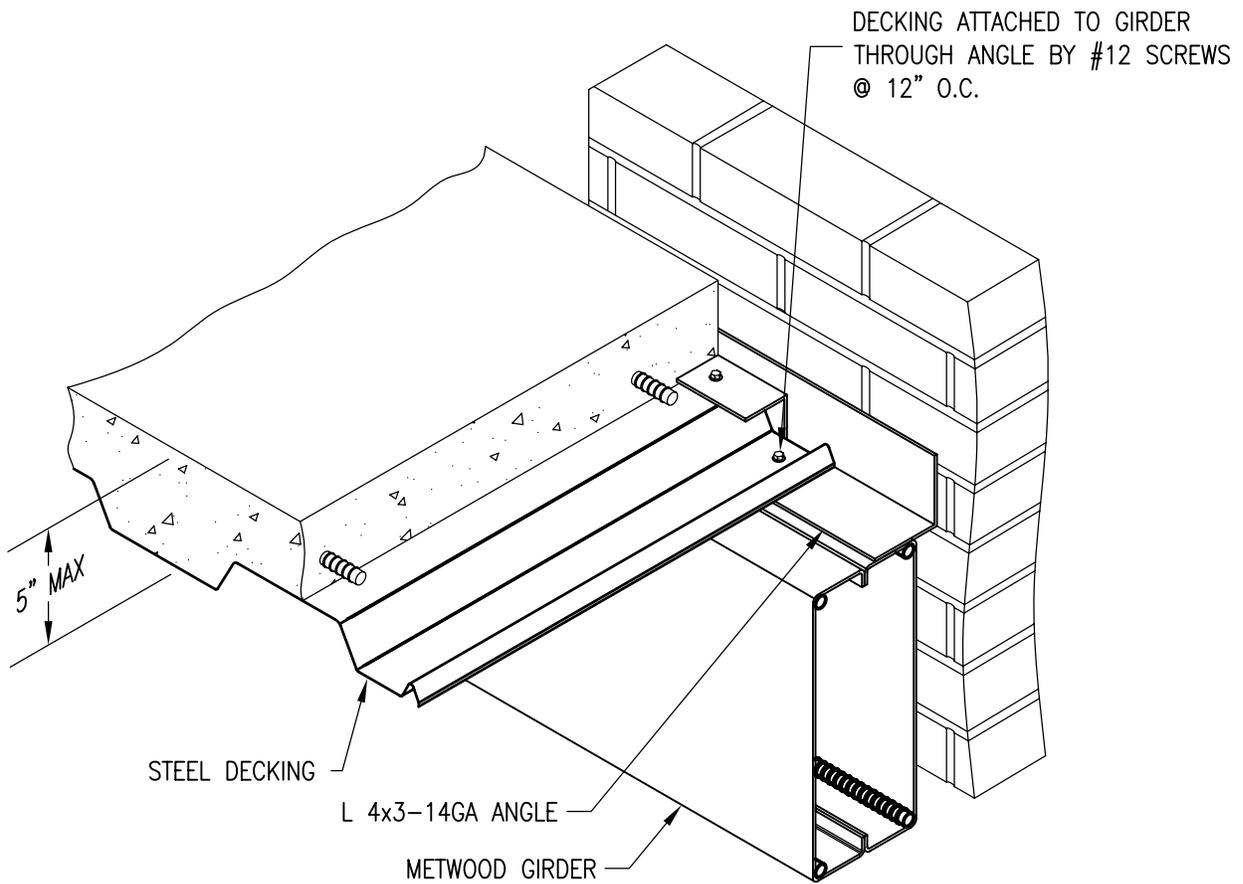
## DECKING CONNECTIONS

CONCRETE

CMU

BRICK VENEER

WOOD FRAMED WALLS



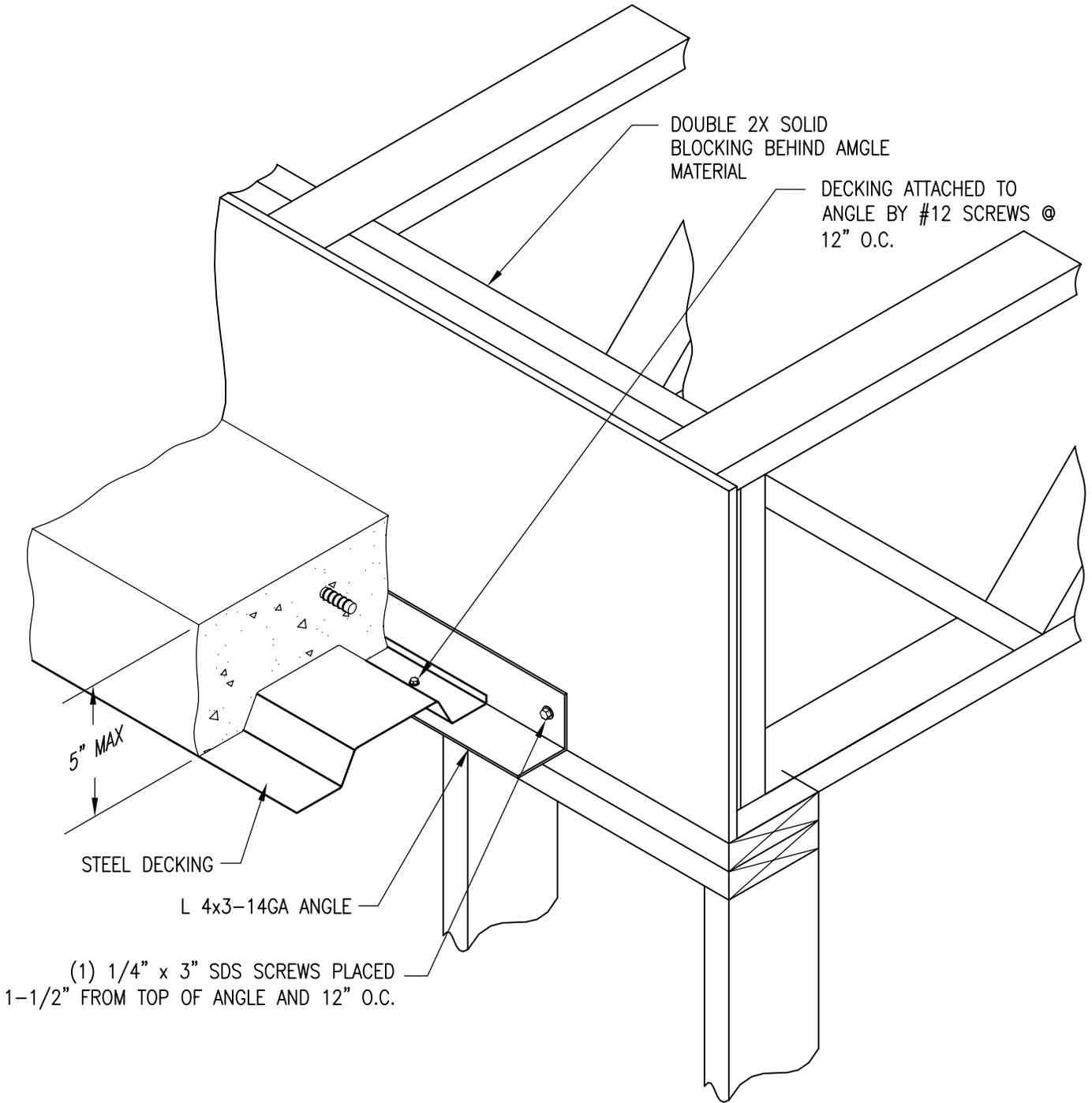
**TYPICAL 4x3-14GA ANGLE  
TO BRICK VENEER**

SCALE: 1-1/2" = 1'



**4"x3" ANGLE  
DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



**TYPICAL 4x3-14GA ANGLE  
TO WOOD FRAMING**

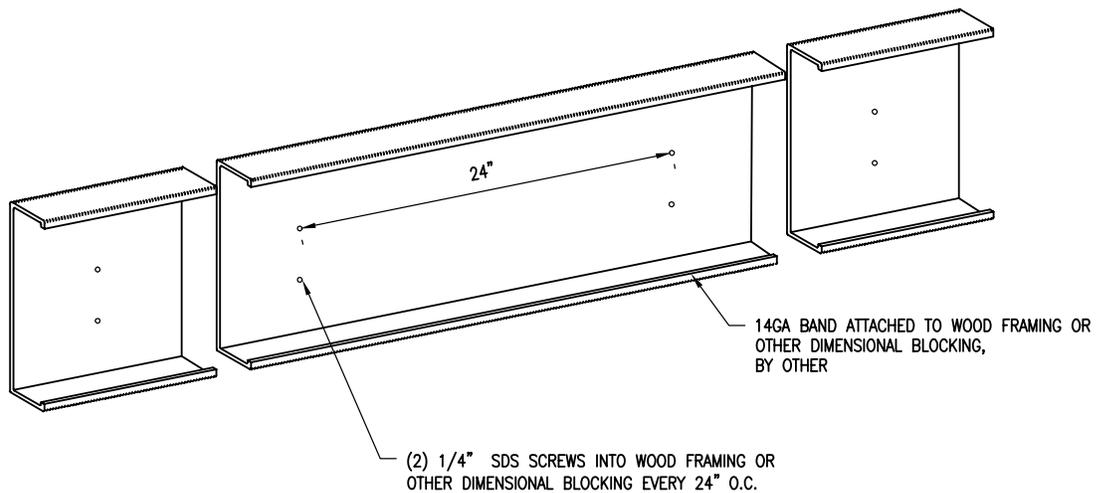
SCALE: 1-1/2" = 1'



**4"x3" ANGLE  
DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

**SIDE VIEW**



**METWOOD BAND CONNECTION**  
**BAND TO WOOD FRAMING**

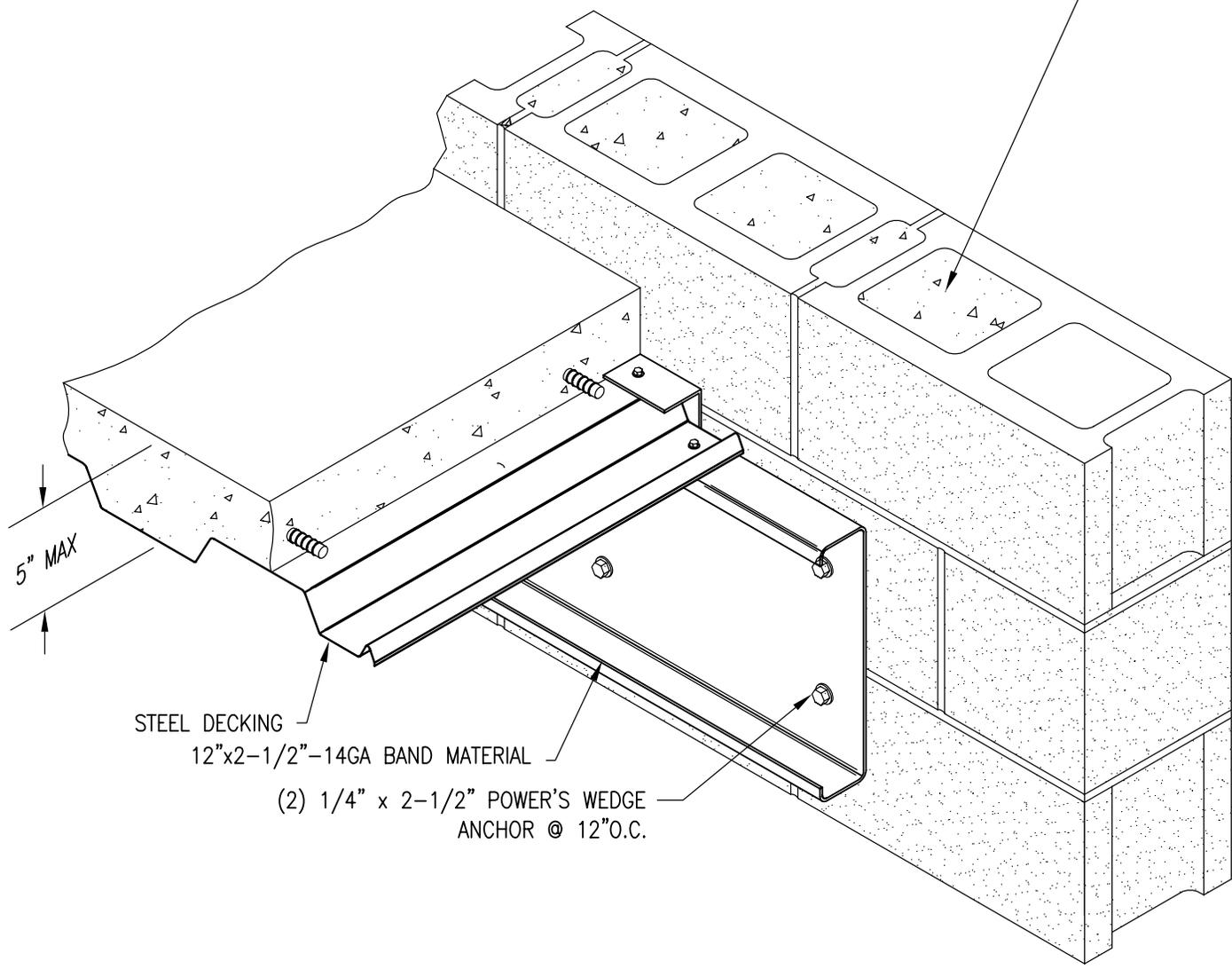
SCALE: 1" = 1'



**BAND TO WOOD FRAMING**  
**BAND CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

ALL CELLS BEHIND BAND ATTACHMENT TO BE  
 FILLED W/ 3000 PSI SMALL AGGREGATE CONCRETE



STEEL DECKING  
 12"x2-1/2"-14GA BAND MATERIAL  
 (2) 1/4" x 2-1/2" POWER'S WEDGE  
 ANCHOR @ 12"O.C.

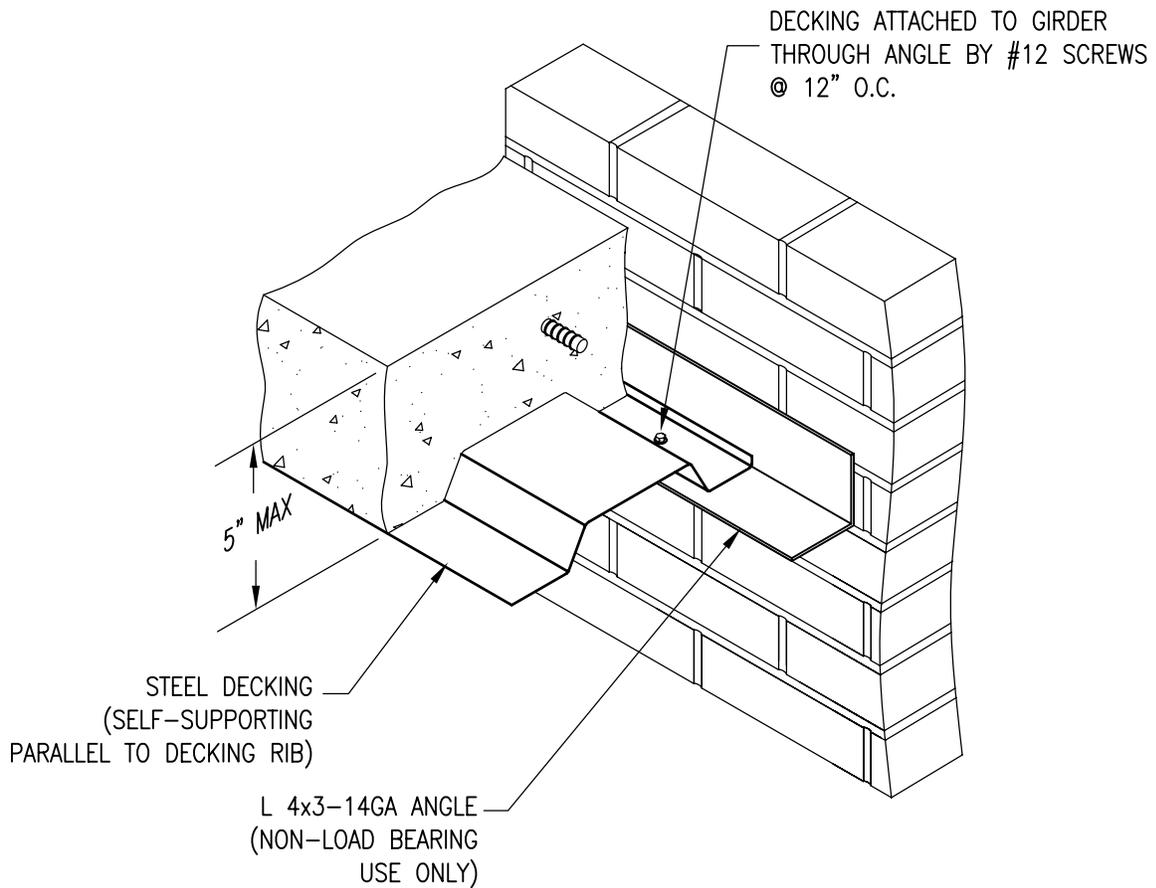
**BAND TO CMU**  
**BAND MATERIAL CONNECTION**

SCALE: 1-1/2" = 1'



**BAND TO CMU**  
**DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



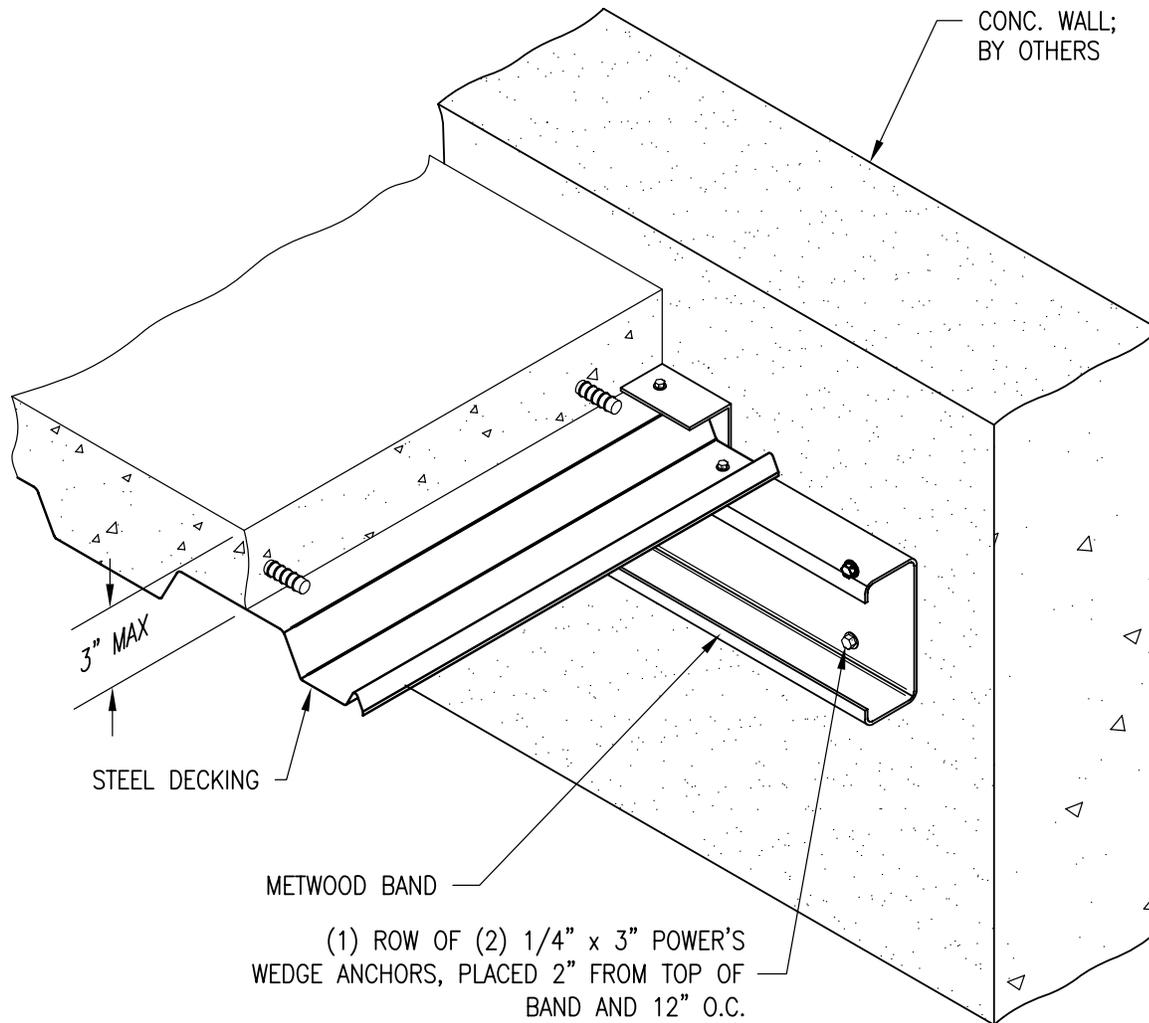
**TYPICAL 4x3-14GA ANGLE  
TO BRICK VENEER**

SCALE: 1-1/2" = 1'



**4"x3" ANGLE  
DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



(1) ROW OF (2) 1/4" x 3" POWER'S WEDGE ANCHORS, PLACED 2" FROM TOP OF BAND AND 12" O.C.

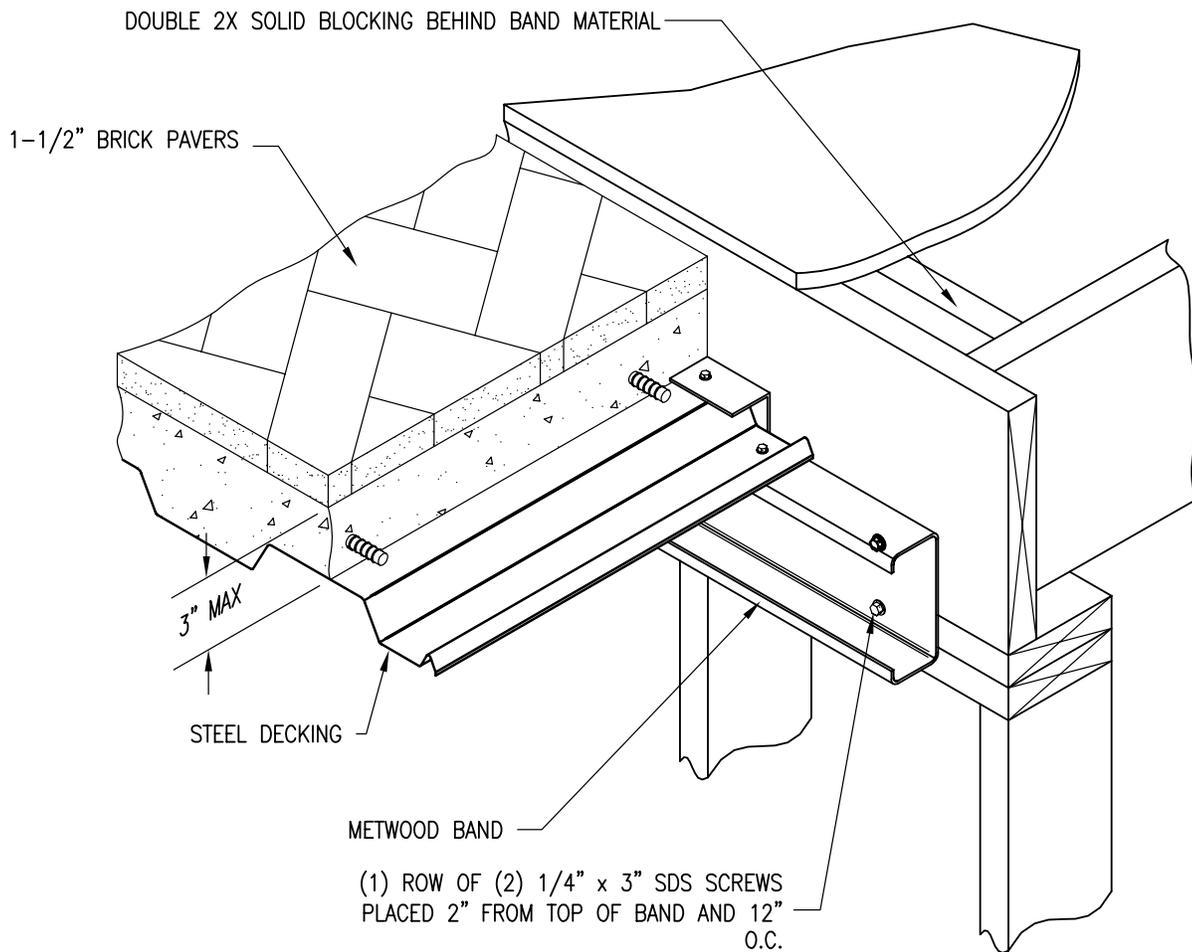
**TYPICAL BAND MATERIAL TO CONC. WALL**

SCALE: 1-1/2" = 1'



**BAND TO CONCRETE DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



(1) ROW OF (2) 1/4" x 3" SDS SCREWS  
 PLACED 2" FROM TOP OF BAND AND 12"  
 O.C.

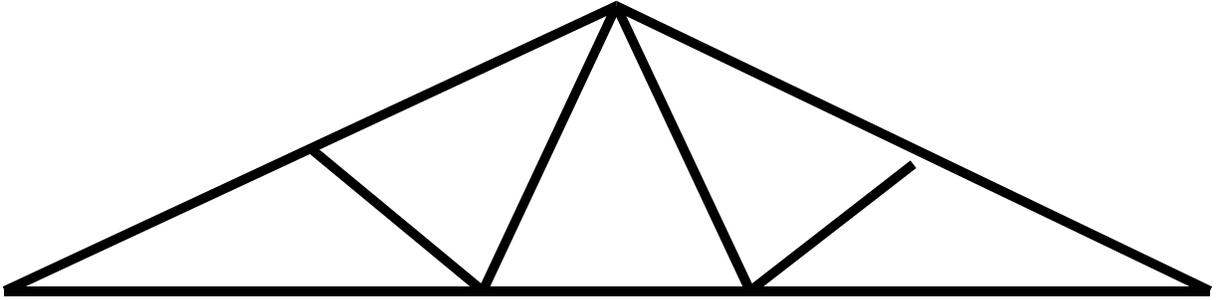
**TYPICAL BAND MATERIAL  
 TO WOOD FRAMING**

SCALE: 1-1/2" = 1'



**BAND TO WOOD FRAMING  
 DECKING CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



# METWOOD

DROP BEAMS  
(POCKET DETAILS)

CONCRETE

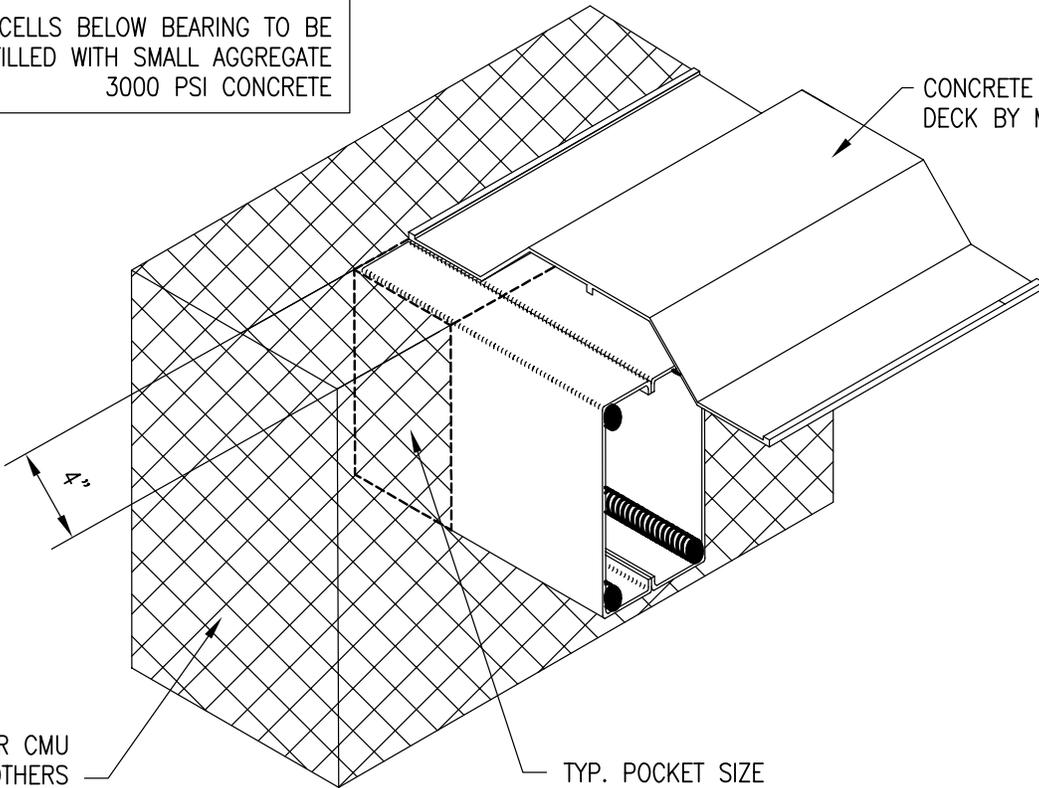
CMU

I.C.F.

WOOD FRAMED WALLS

POCKETS & HANGERS

ALL CELLS BELOW BEARING TO BE  
CORE FILLED WITH SMALL AGGREGATE  
3000 PSI CONCRETE



CONCRETE ON STEEL DECK,  
DECK BY METWOOD

CONCRETE OR CMU  
WALL, BY OTHERS

TYP. POCKET SIZE  
12"H x 5 1/2"W x 5"D  
METWOOD GIRDER RESTING  
IN TYP. POCKET, POCKET BY OTHERS

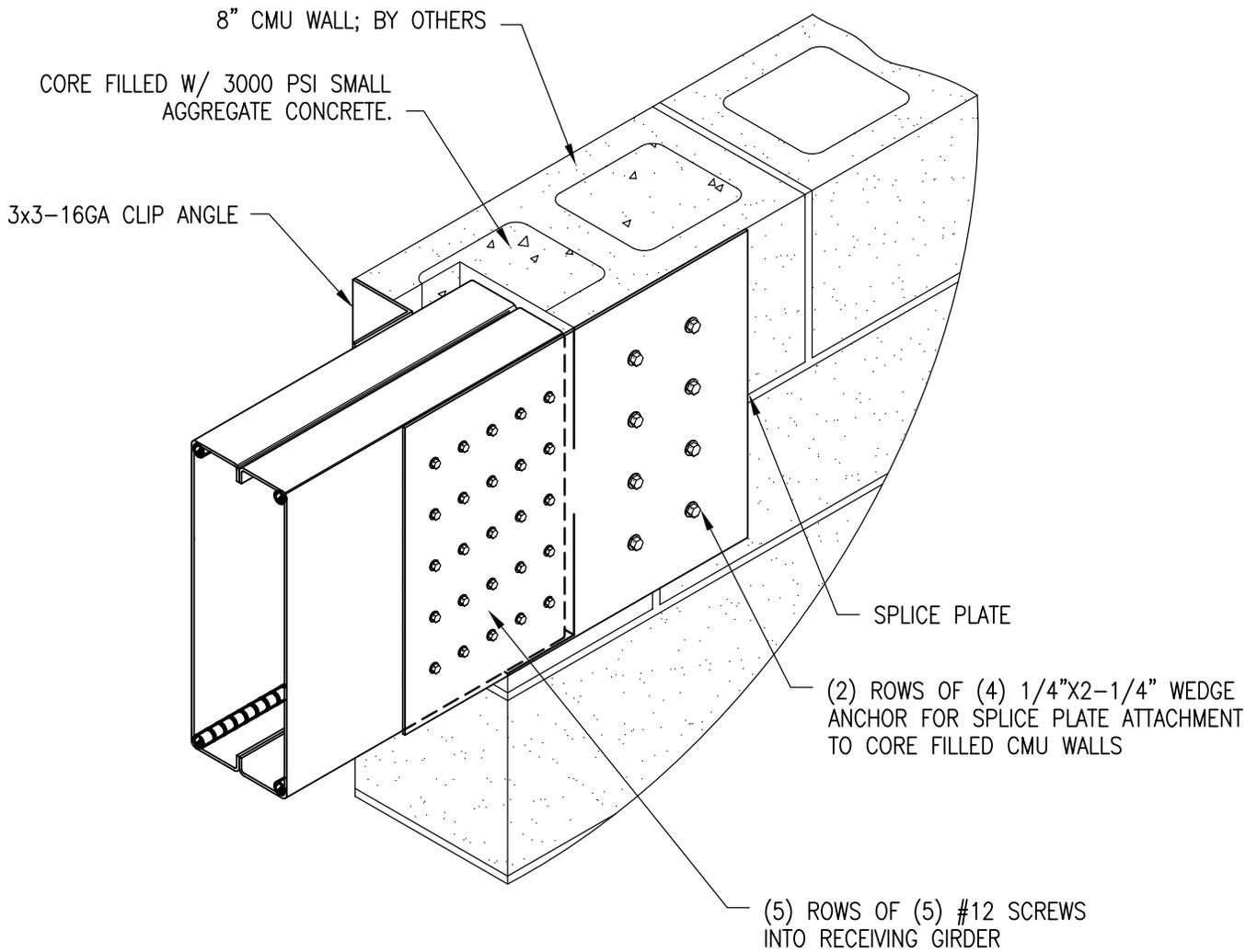
**GIRDER TO CONCRETE OR CMU WALL**  
**DROP GIRDER INTO A TYP. POCKET SIZE**

SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CMU POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REVISION DATE	



**METWOOD GIRDER RESTING IN POCKET**  
**SPLICE PLATE AND CLIP ANGLE**  
**CONNECTION TO GIRDER TO WALL**

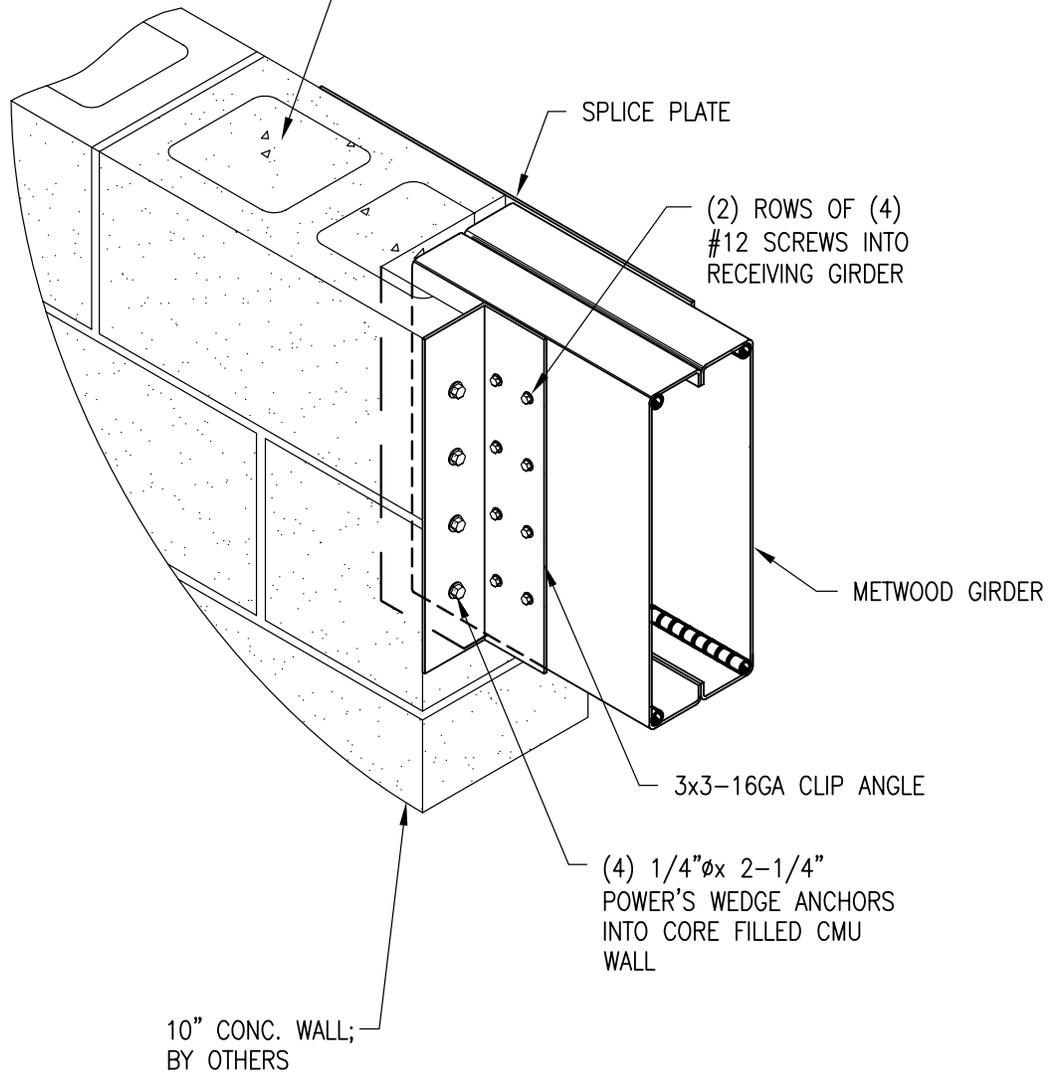
SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CMU POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 2

CORE FILLED W/ 3000 PSI SMALL  
AGGREGAT CONCRETE.



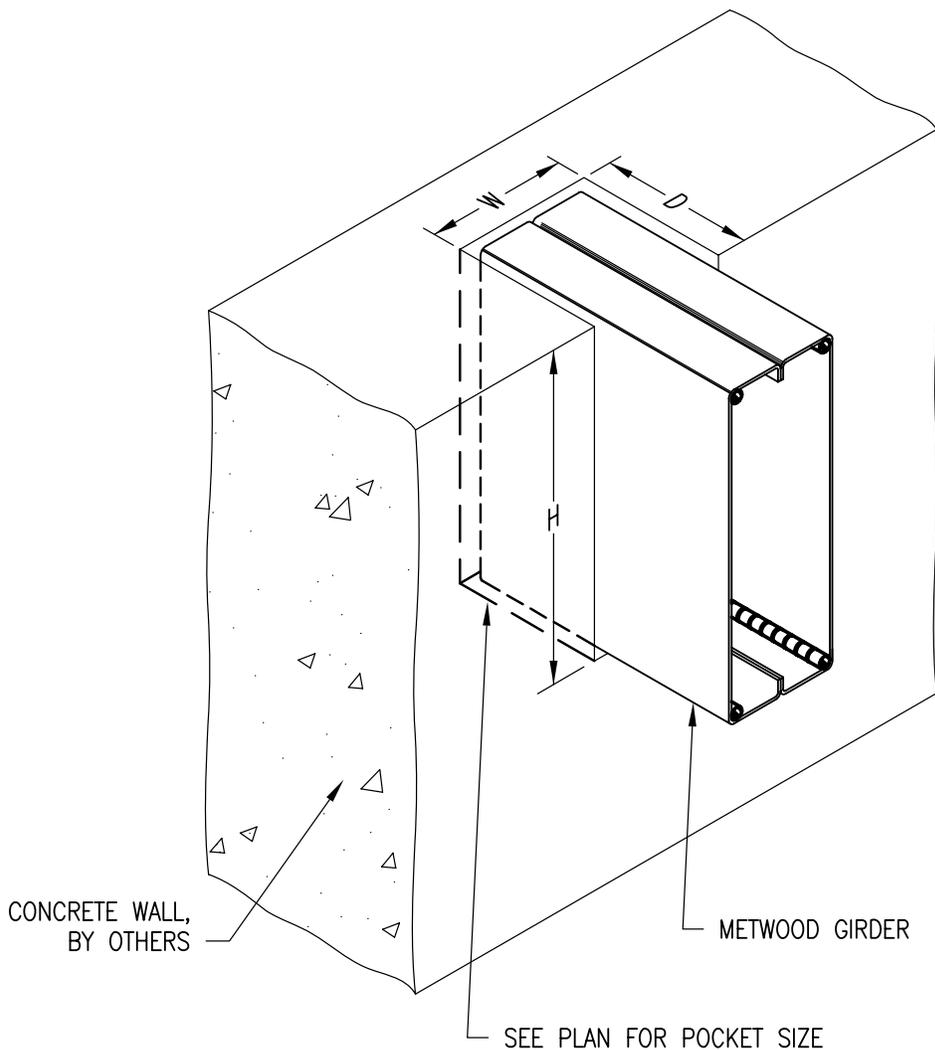
**METWOOD GIRDER RESTING IN POCKET**  
**SPLICE PLATE AND CLIP ANGLE**  
**CONNECTION TO GIRDER TO WALL**

SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CMU POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	2 OF 2



**GIRDER TO CONCRETE OR CMU WALL**  
**DROP GIRDER INTO A POCKET**

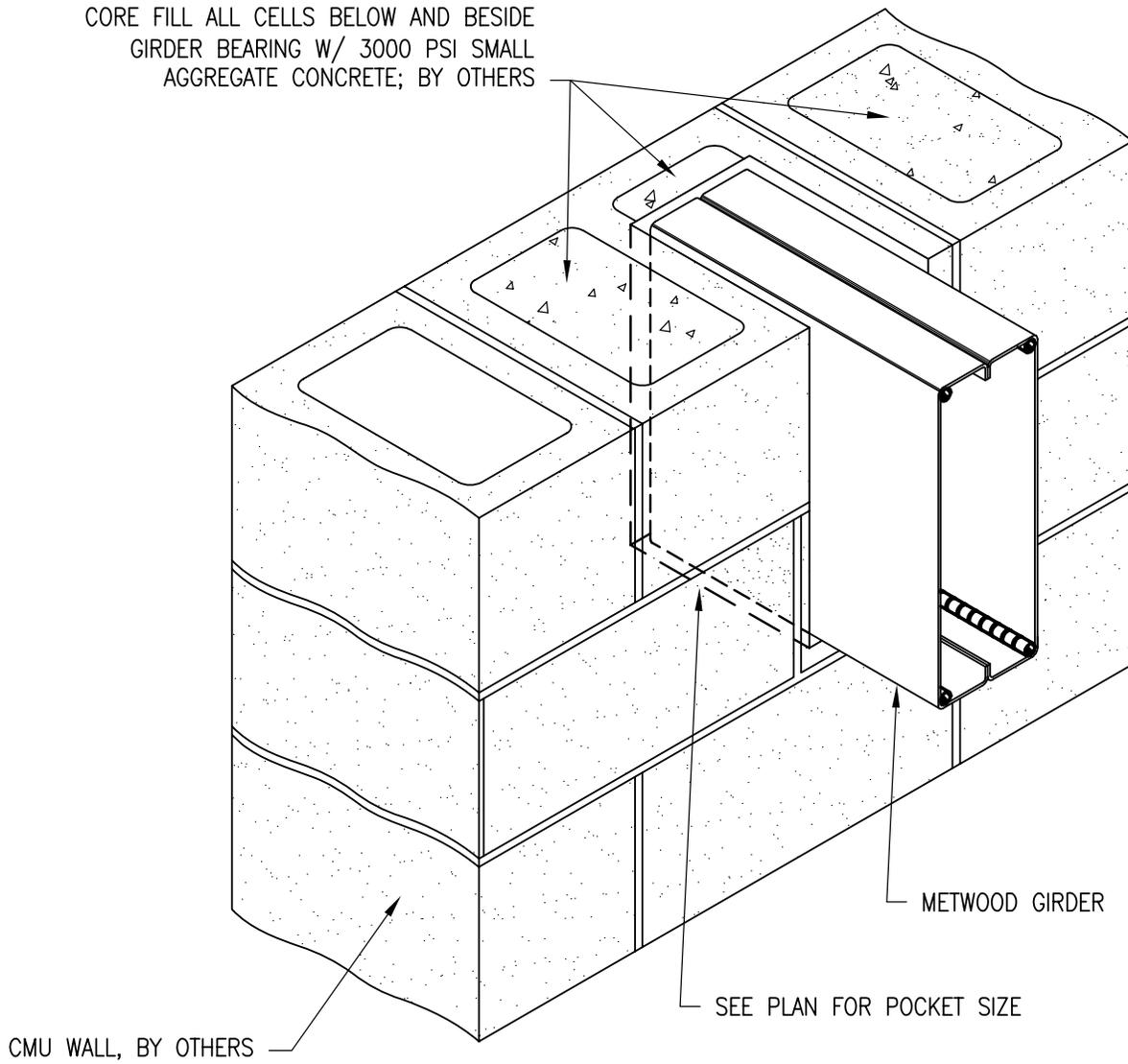
SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

CORE FILL ALL CELLS BELOW AND BESIDE  
GIRDER BEARING W/ 3000 PSI SMALL  
AGGREGATE CONCRETE; BY OTHERS



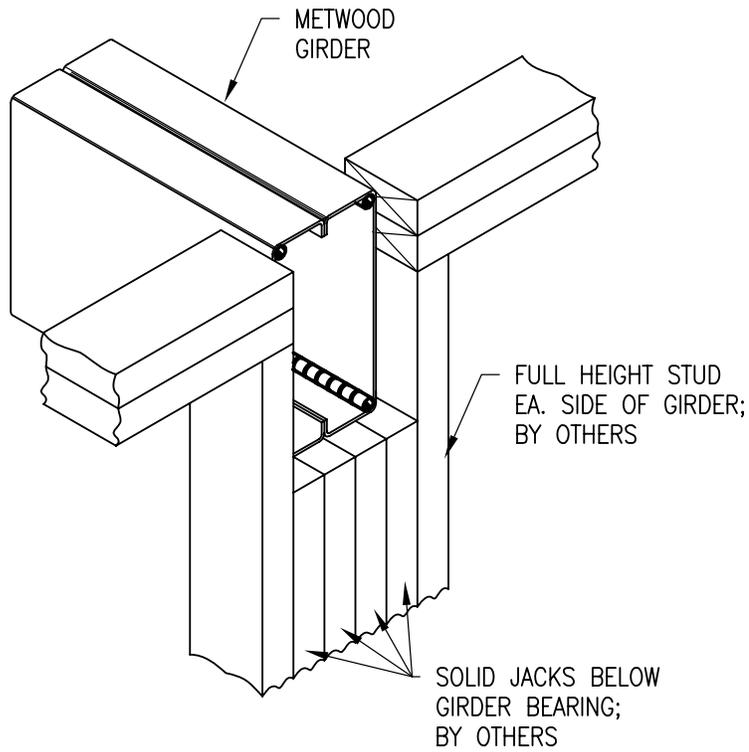
**GIRDER TO CMU WALL**  
**DROP GIRDER INTO A POCKET**

SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CMU POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



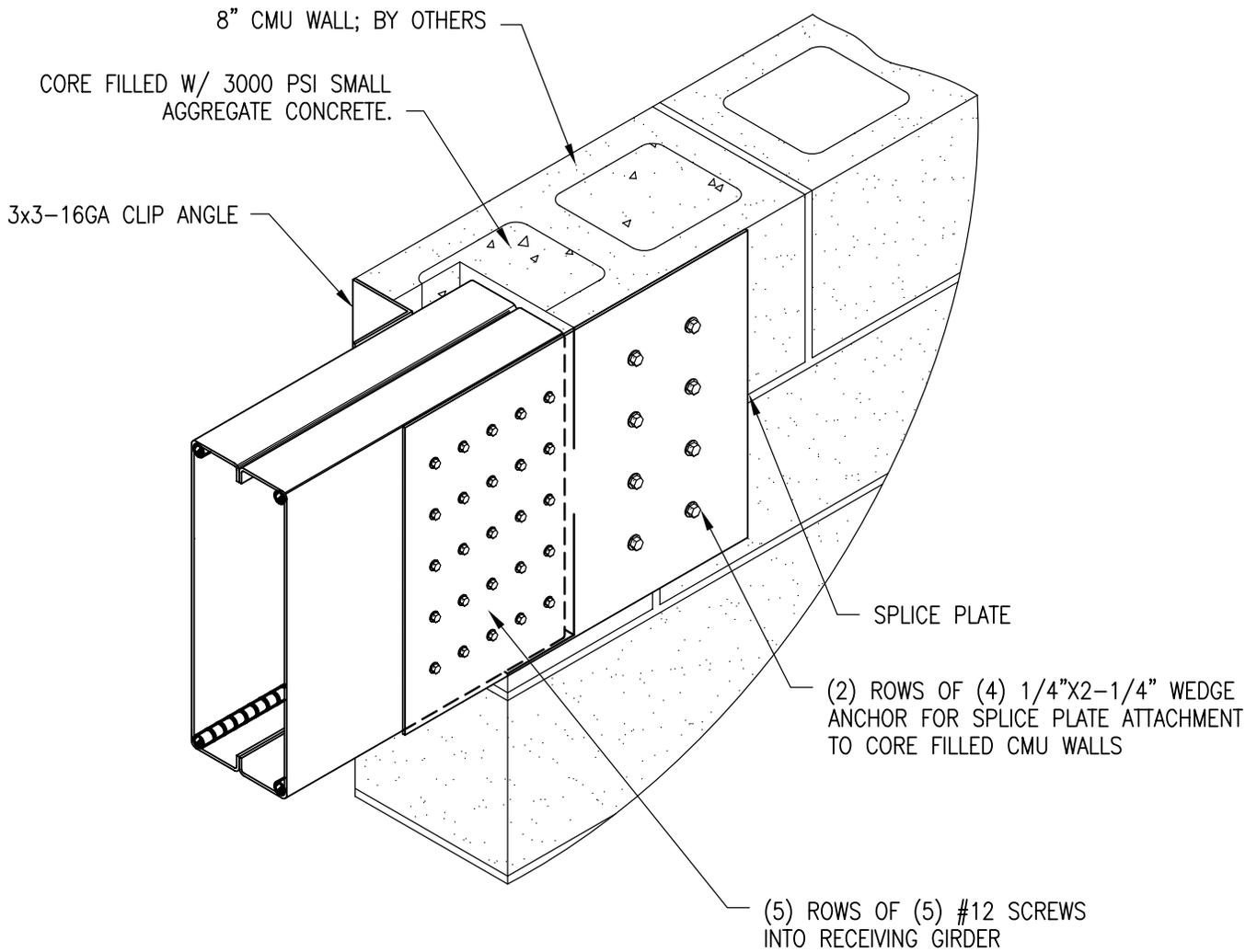
**TYPICAL WOOD FRAME  
GIRDER POCKET**

SCALE: 1-1/2" = 1'



**GIRDER IN WOOD  
FRAMED POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REVISION DATE	



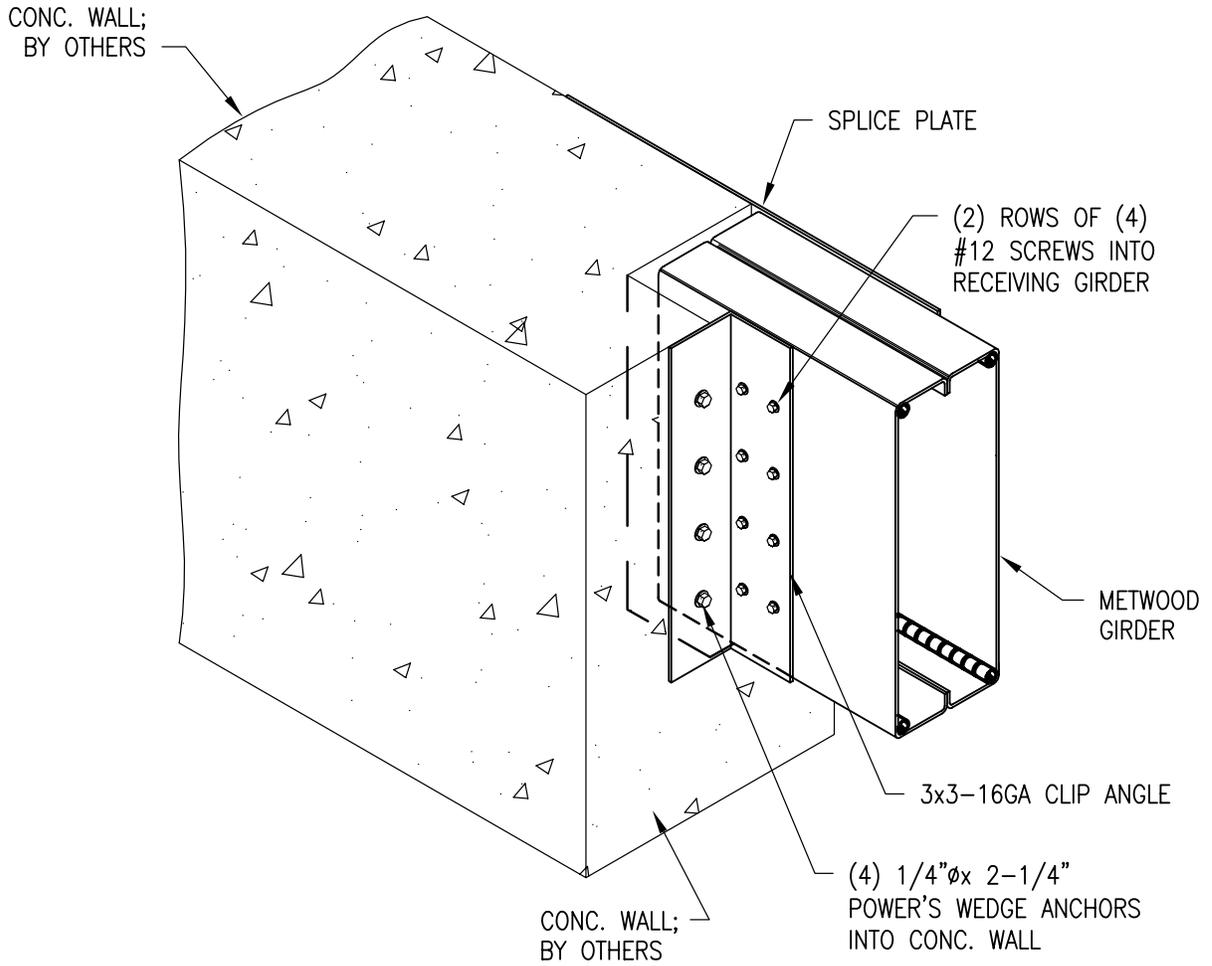
**METWOOD GIRDER RESTING IN POCKET**  
**SPLICE PLATE AND CLIP ANGLE**  
**CONNECTION TO GIRDER TO WALL**

SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CMU POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 2



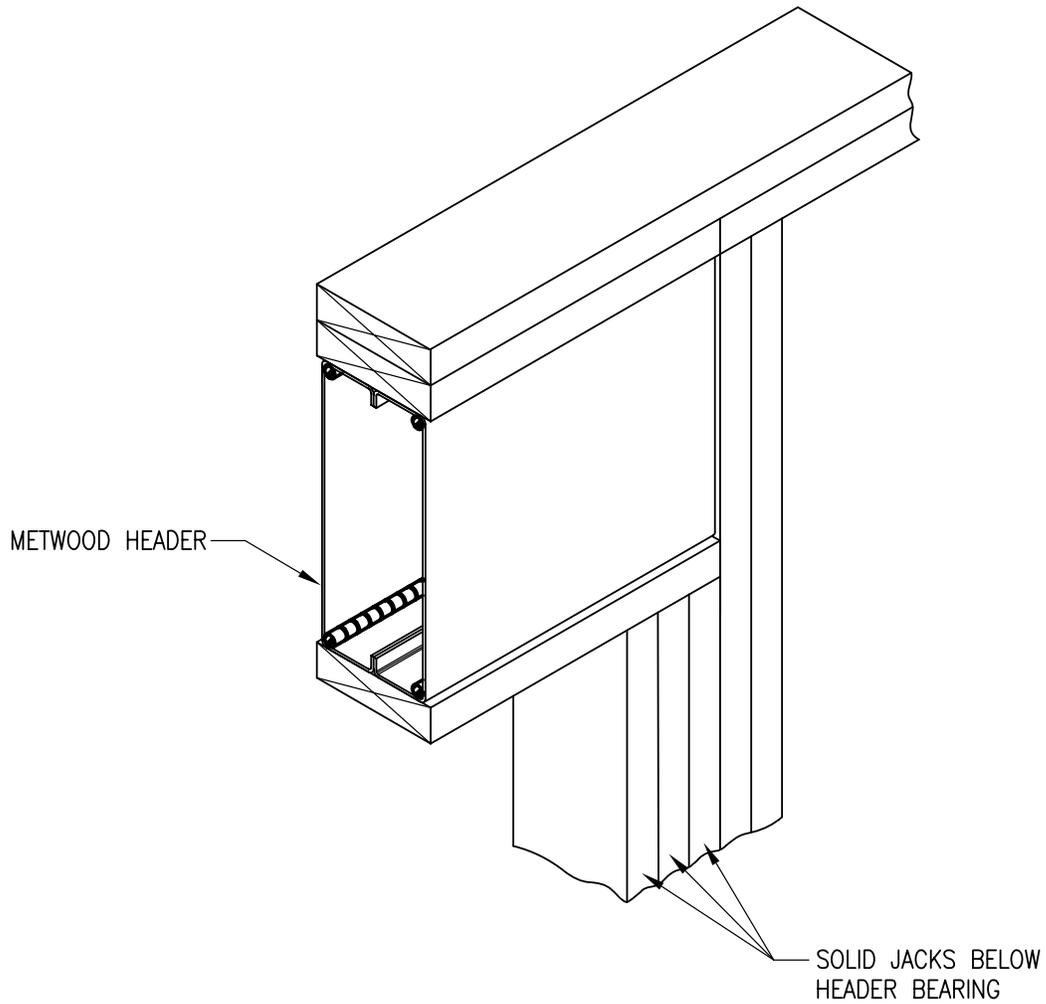
**METWOOD GIRDER RESTING IN POCKET**  
**SPLICE PLATE AND CLIP ANGLE**  
**CONNECTION TO GIRDER TO WALL**

SCALE: 1-1/2" = 1'



**DROP GIRDER IN**  
**CONCRETE POCKET**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	2 OF 2



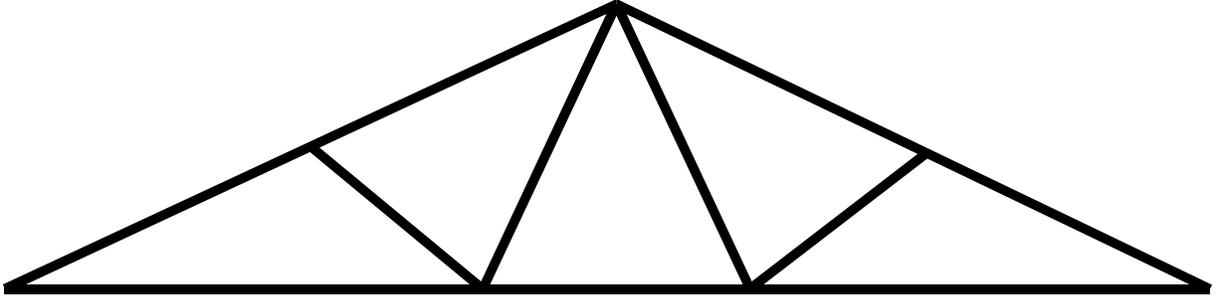
**METWOOD GIRDER RESTING  
ON SOLID JACK STUDS**

SCALE: 1-1/2" = 1'



**METWOOD GIRDER  
RESTING ON SOLID JACKS**

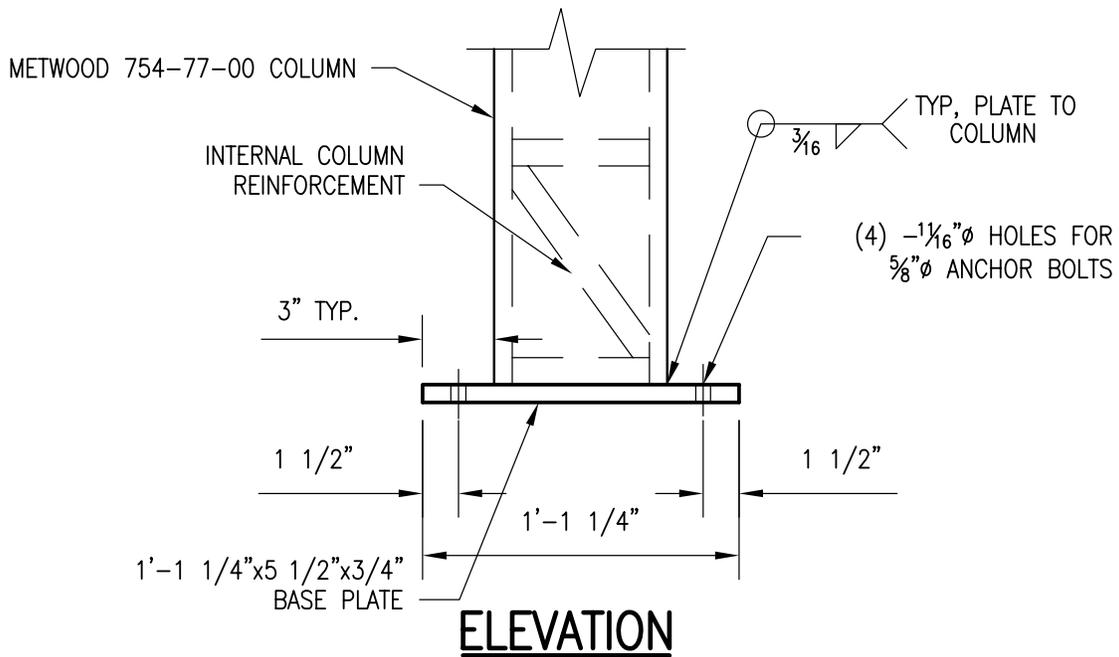
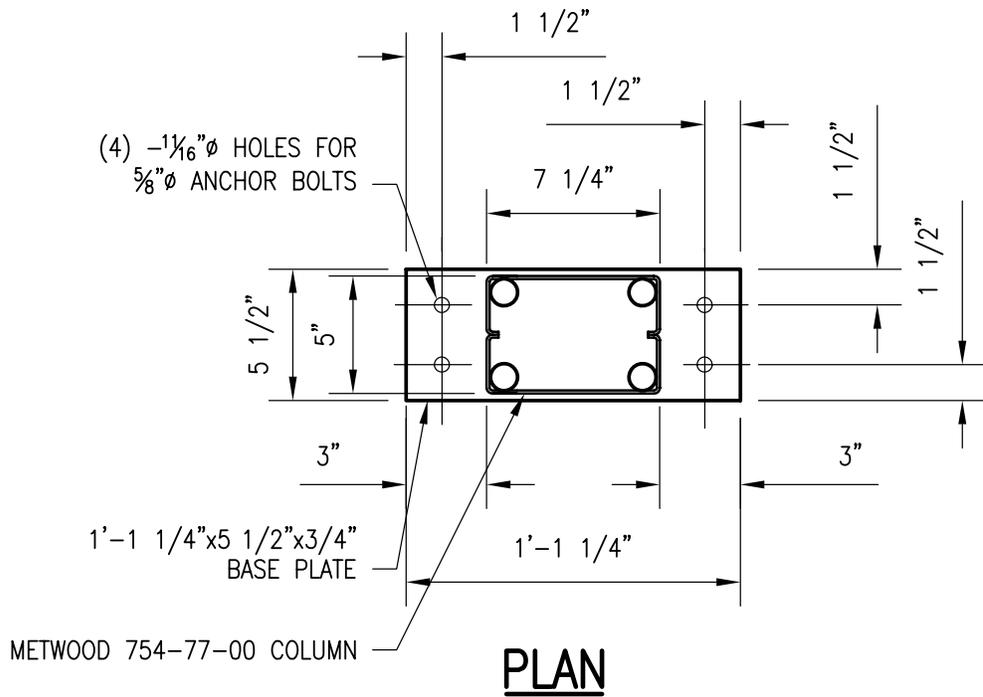
DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



# METWOOD

MOMENT FRAME

STANDARD DETAILS



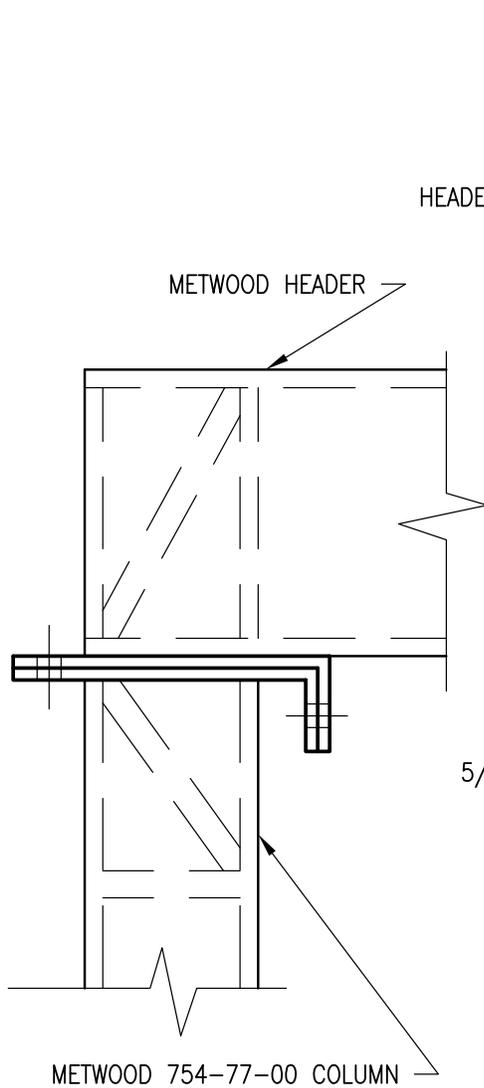
**BASE PLATE DETAIL**

SCALE: 1 - 1/2" = 1'



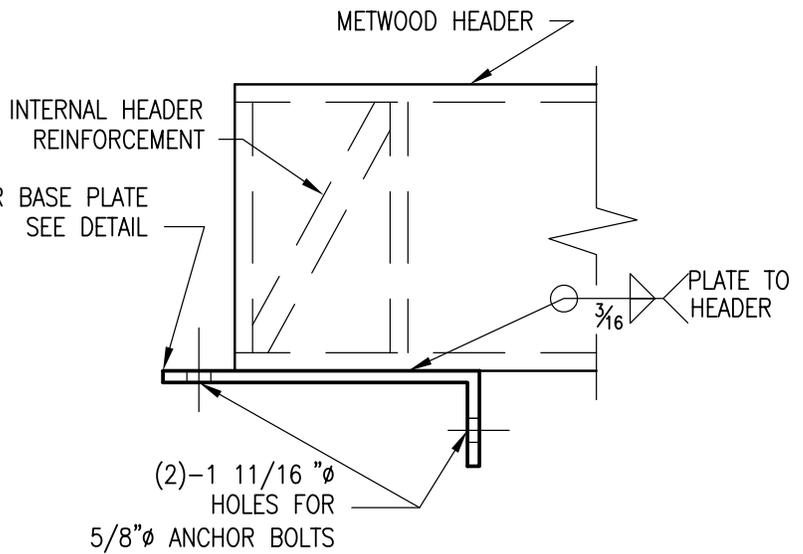
**MOMENT FRAME**  
**BASE PLATE DETAIL**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

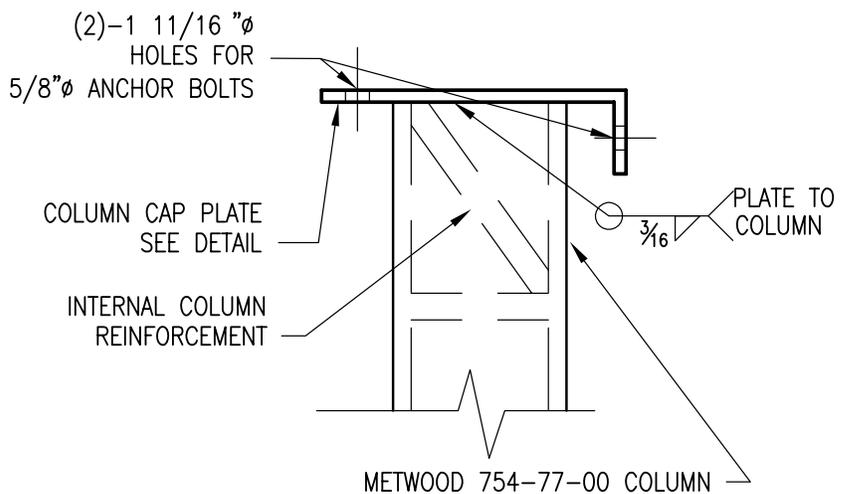


**COLUMN/HEADER CONNECTION DETAIL**

SCALE: 1-1/2" = 1'



**HEADER BASE DETAIL**

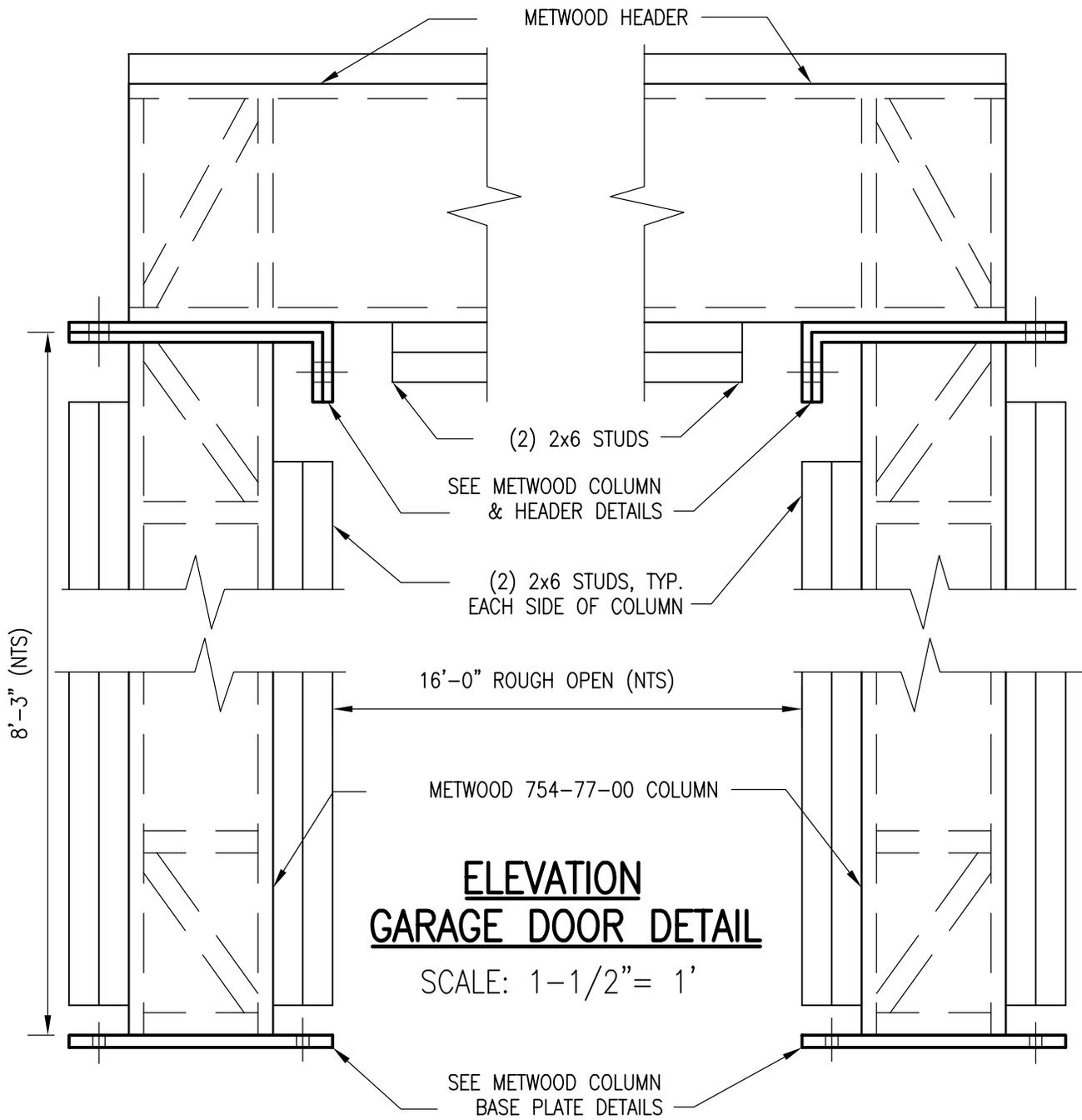


**COLUMN CAP DETAIL**



**MOMENT FRAME**  
**COLUMN/HEADER CONN.**

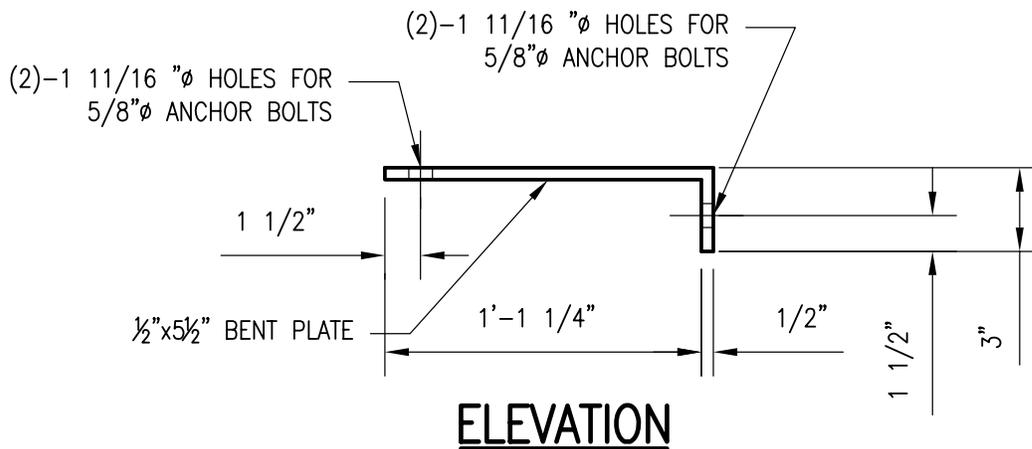
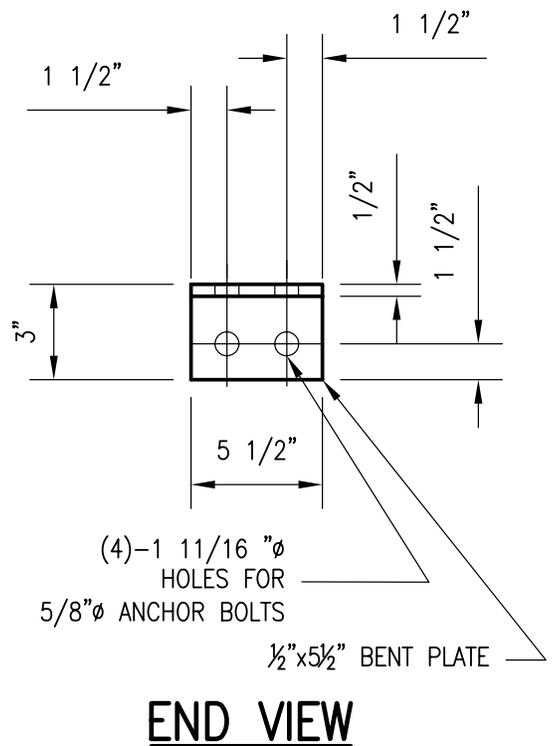
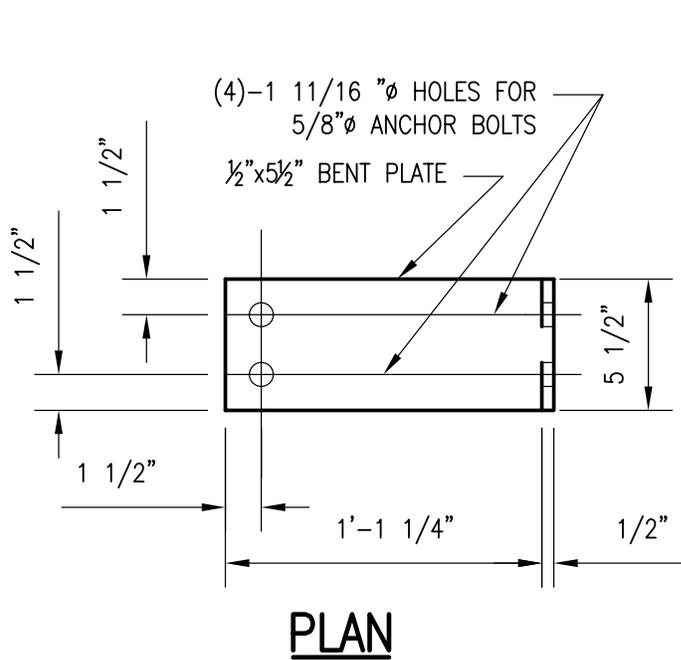
DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



MOMENT FRAME  
OVER ALL FRAME

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1





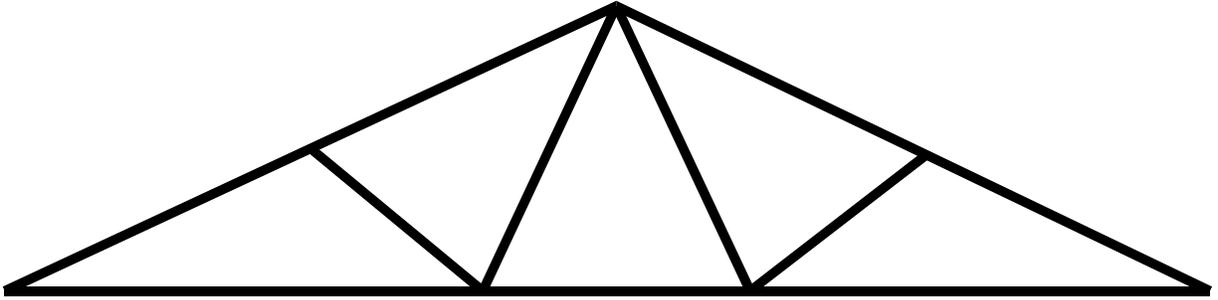
**HEADER BASE PLATE**

SCALE: 1-1/2" = 1'



**MOMENT FRAME**  
**HEADER BASE PLATE**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



# METWOOD

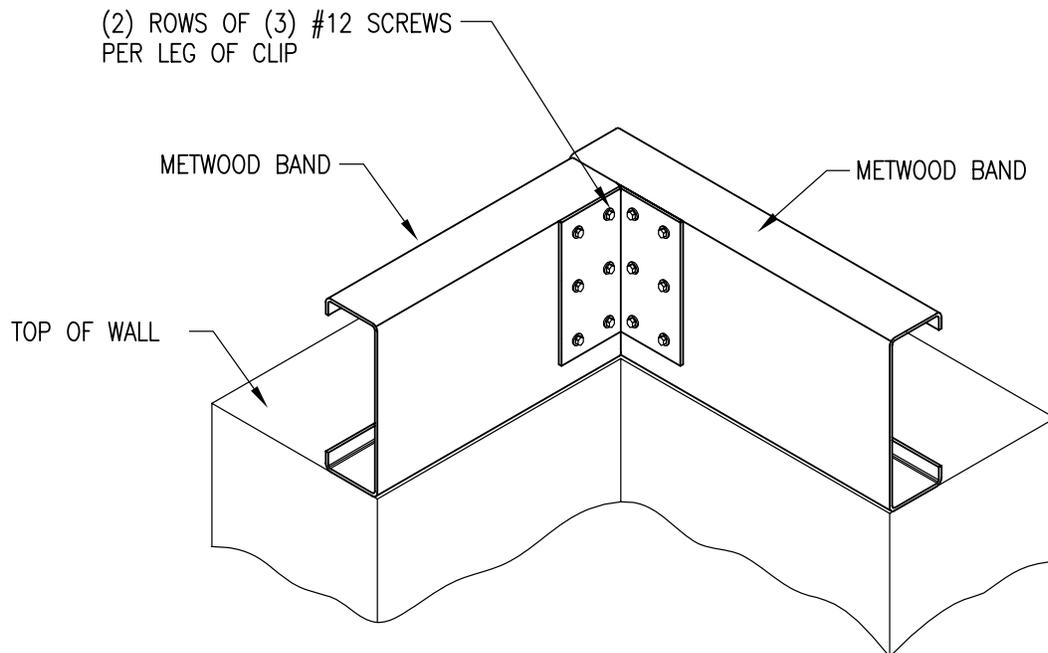
## CLIP CONNECTIONS

GIRDER TO GIRDER

GIRDER TO BAND

CONCRETE

WOOD FRAMED WALLS



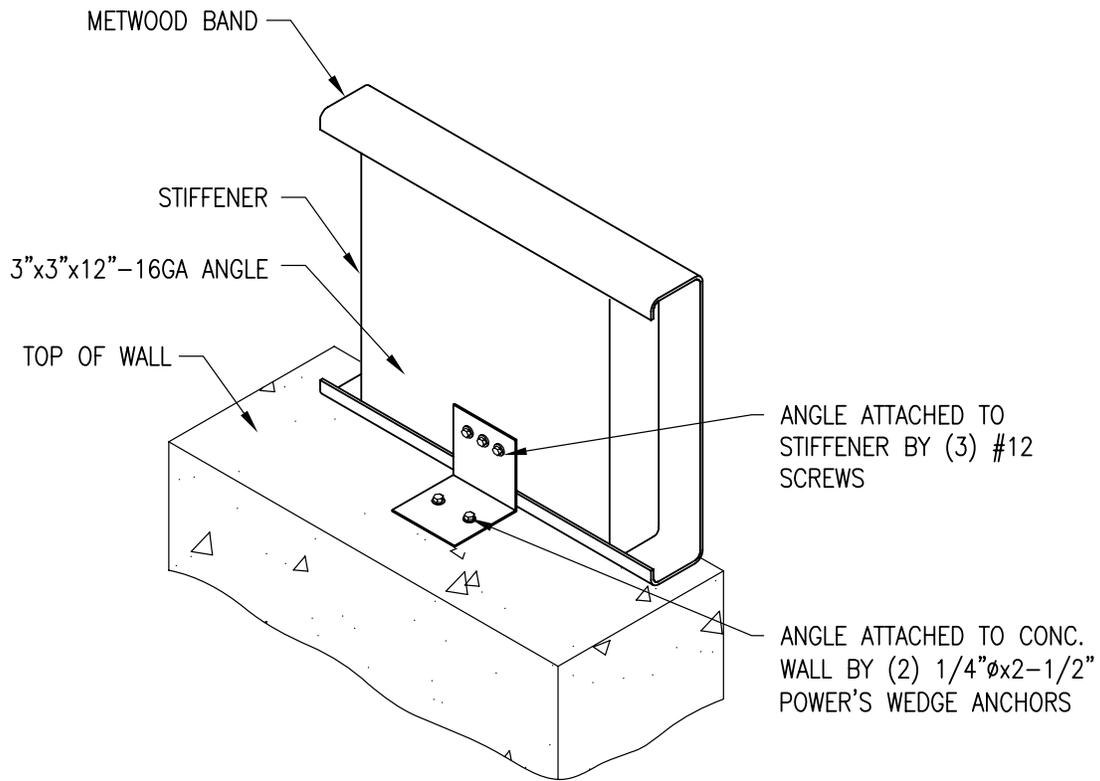
**CLIP TYPE BAND CONNECTION**  
**BAND TO BAND**

SCALE: 1-1/2" = 1'



**BAND TO BAND**  
**CLIP CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



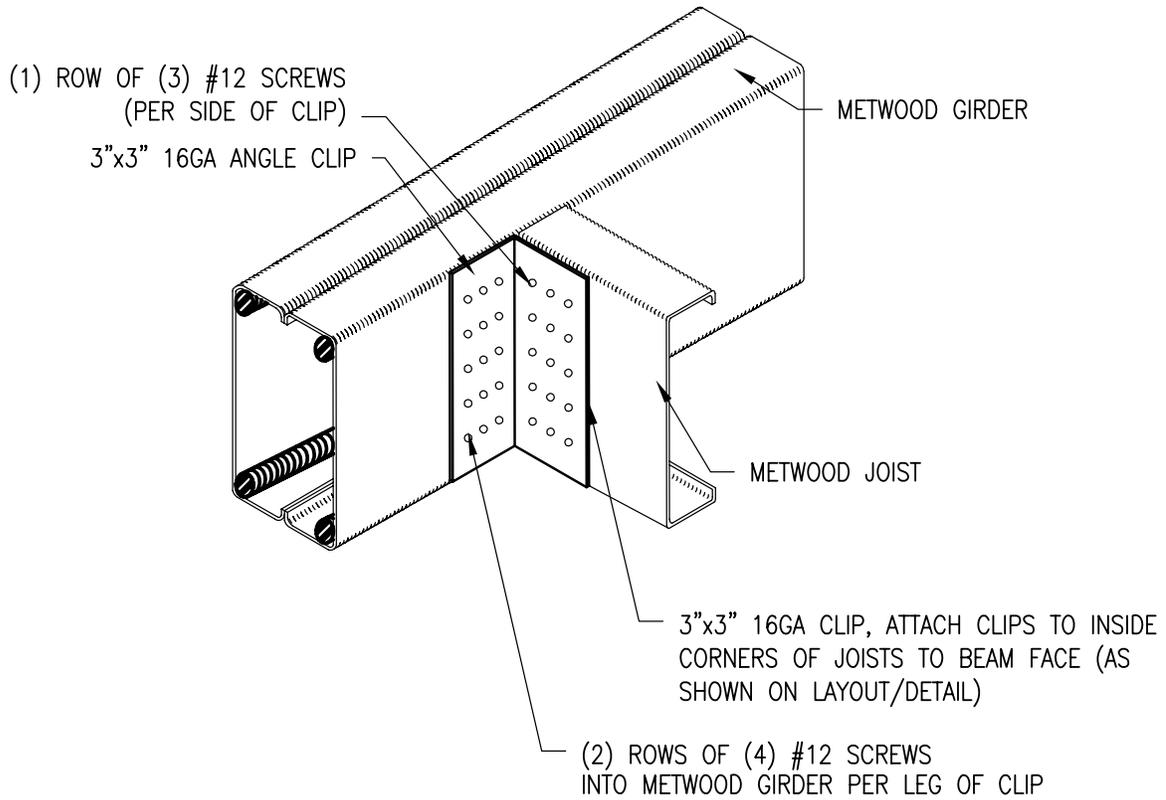
**CLIP TYPE BAND CONNECTION**  
**BAND TO CONC. WALL**

SCALE: 1-1/2" = 1'



**BAND TO CONCRETE**  
**CLIP CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



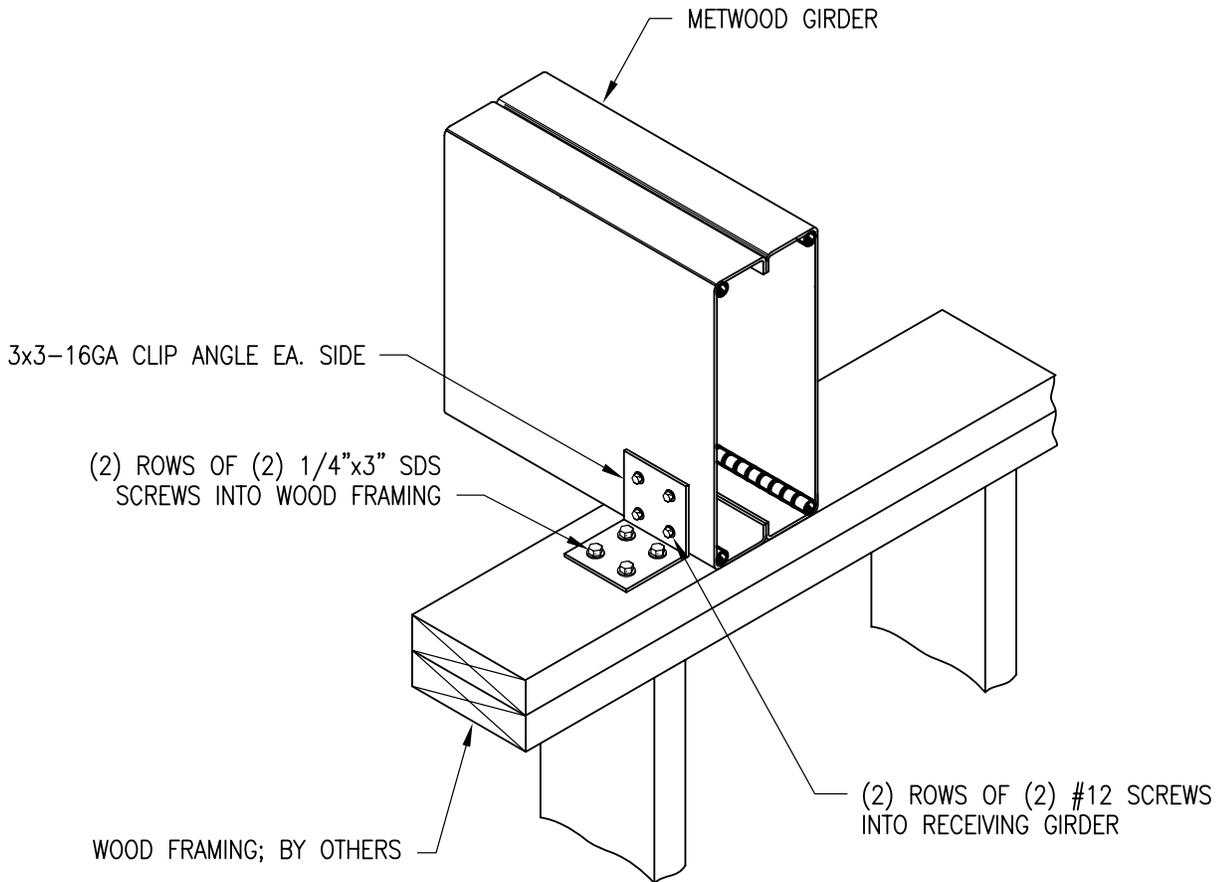
**CLIP TYPE GIRDER CONNECTION**  
**BAND TO GIRDER**

SCALE: 1-1/2" = 1'



**CLIP CONNECTION**  
**BAND TO GIRDER**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



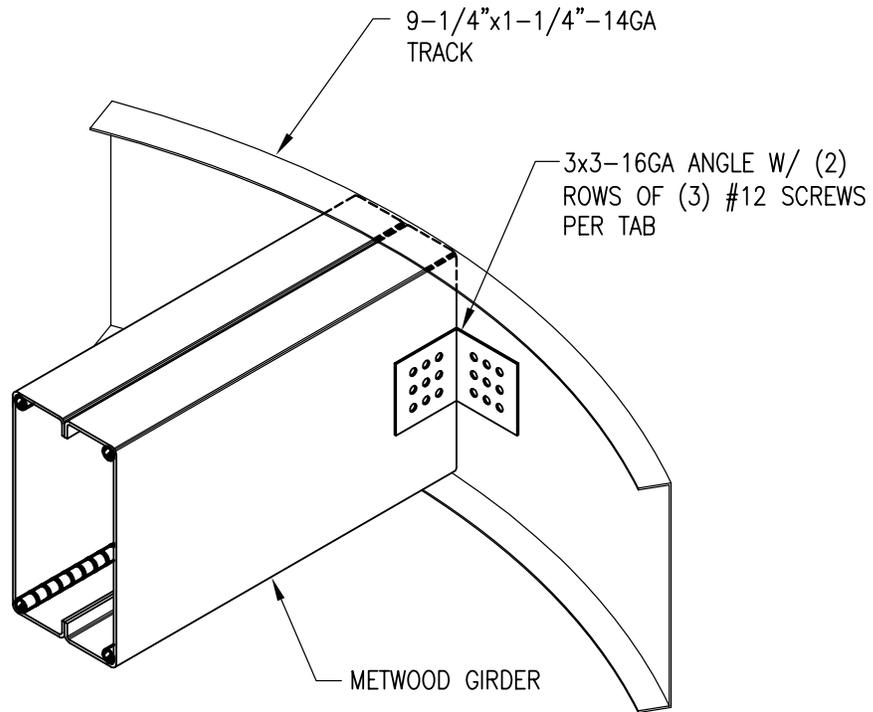
**CLIP TYPE GIRDER CONNECTION**  
**GIRDER TO WOOD FRAME WALL**

SCALE: 1-1/2" = 1'



**CLIP CONNECTION**  
**GIRDER TO FRAMED WALL**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



CLIP TYPE GIRDER CONNECTION  
TRACK TO TO GIRDER

SCALE: 1-1/2" = 1'



GIRDER TO TRACK  
CLIP CONNECTION

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

2½" #12 SCREWS @ 16" OC INTO  
WOOD FRAMING OR OTHER  
DIMENSIONAL BLOCKING,  
BY OTHERS

DOUBLE 2X SOLID  
BLOCKING BEHIND ANGLE  
MATERIAL

METWOOD JOIST

3"x3" 16GA ANGLE

EXISTING FRAMING

(1) #12 SCREW INTO  
METWOOD GIRDER

(1) ROW OF (3) #12 SCREWS  
(PER SIDE OF CLIP)

3"x3" 16GA CLIP, ATTACH CLIPS TO INSIDE  
CORNERS OF JOISTS TO BEAM FACE (AS  
SHOWN ON LAYOUT/DETAIL)

(2) ROWS OF (4) ¼" ØX3" SDS  
INTO METWOOD GIRDER PER LEG OF CLIP

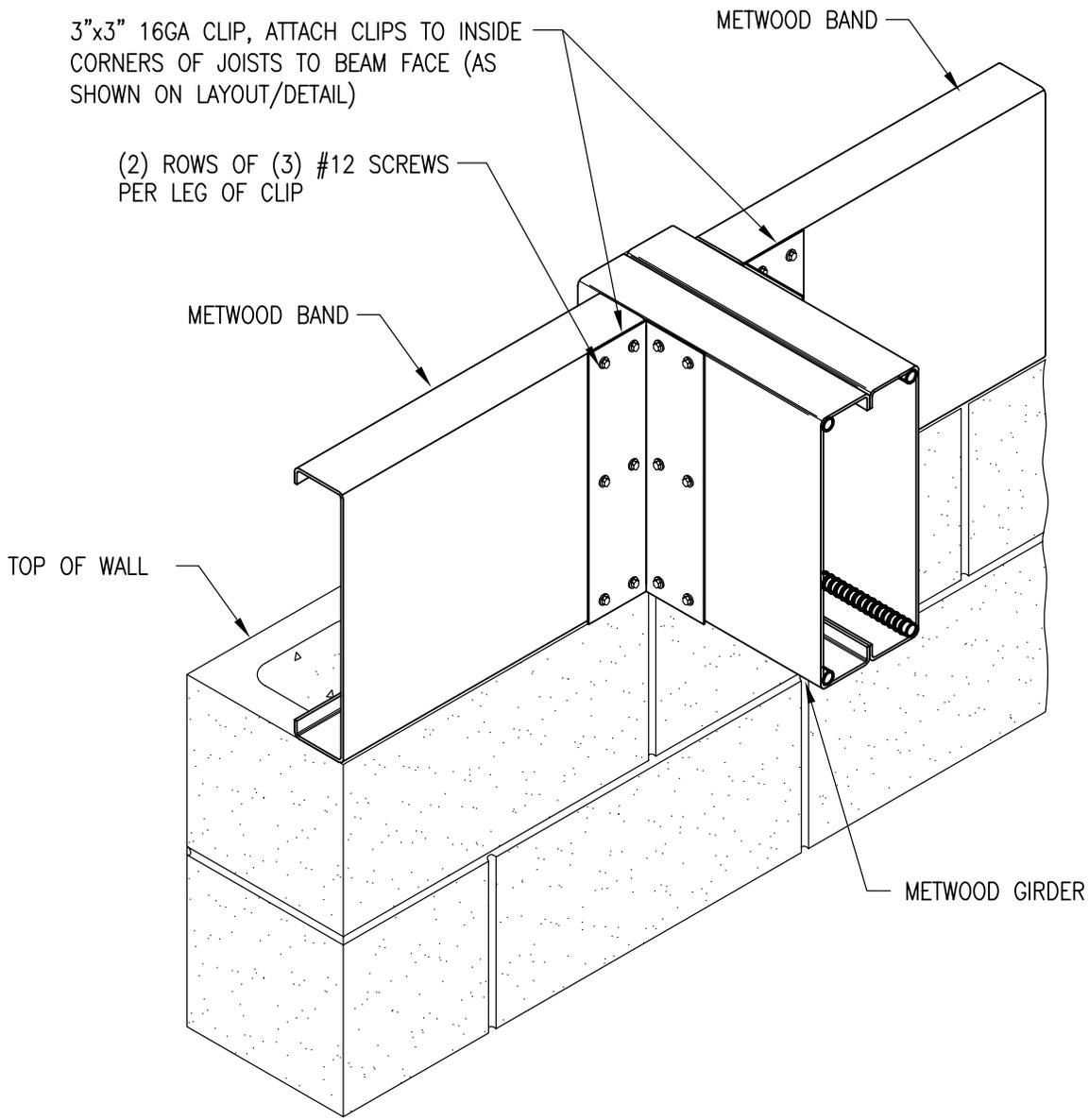
**CLIP TYPE BAND CONNECTION**  
**BAND TO WOOD FRAME WALL**

SCALE: 1-1/2" = 1'



**CLIP CONNECTION**  
**BAND TO FRAMED WALL**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



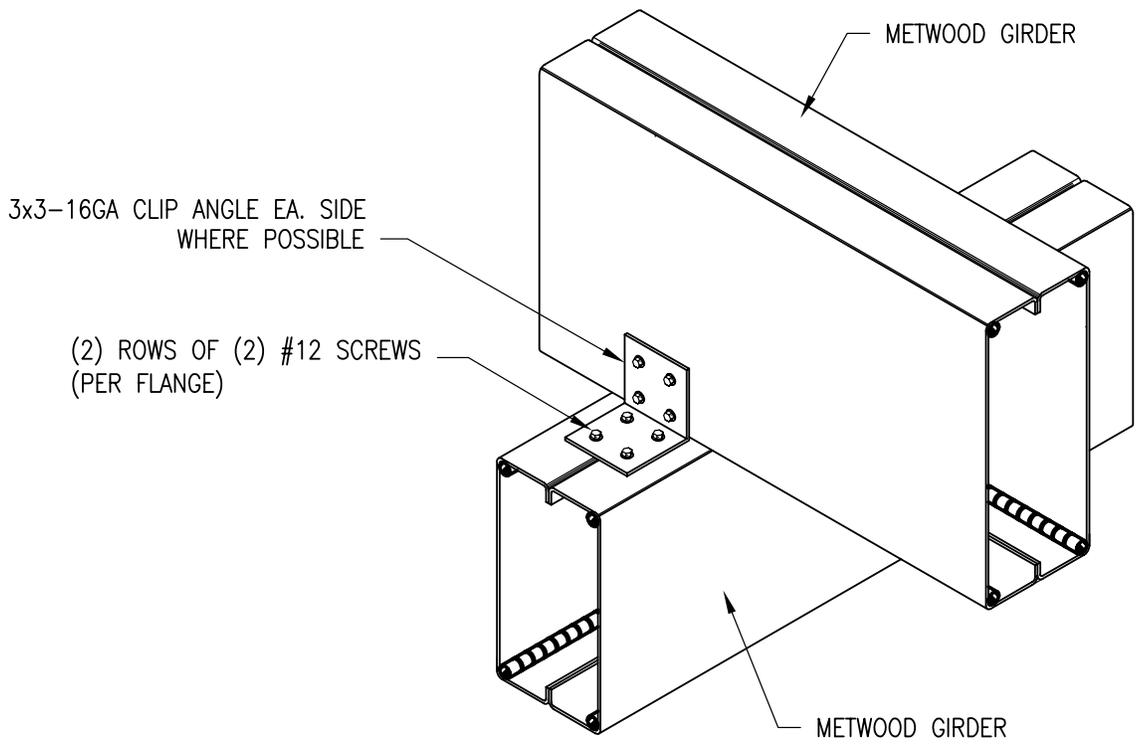
**CLIP TYPE GIRDER CONNECTION**  
**BAND TO GIRDER**

SCALE: 1-1/2" = 1'



**BAND TO GIRDER**  
**BAND CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



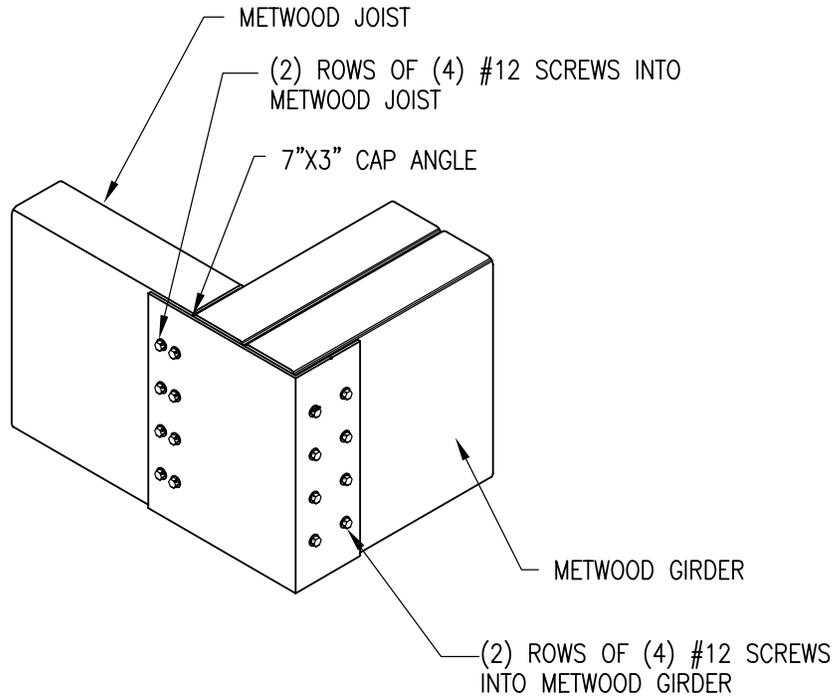
**CLIP TYPE GIRDER CONNECTION**  
**GIRDER TO GIRDER BELOW**

SCALE: 1-1/2" = 1'



**CLIP CONNECTION**  
**GIRDER TO GIRDER**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



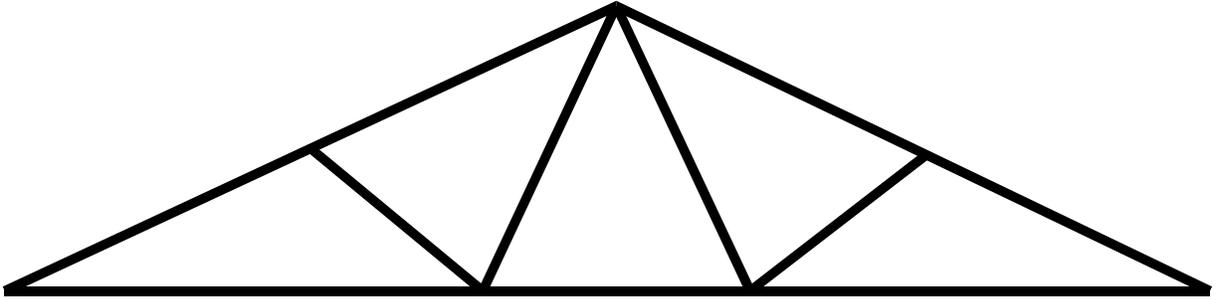
**CLIP TYPE GIRDER CONNECTION**  
**JOIST TO TO GIRDER**

SCALE: 1-1/2" = 1'



**CLIP CONNNECTION**  
**GIRDER TO JOIST**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



# METWOOD

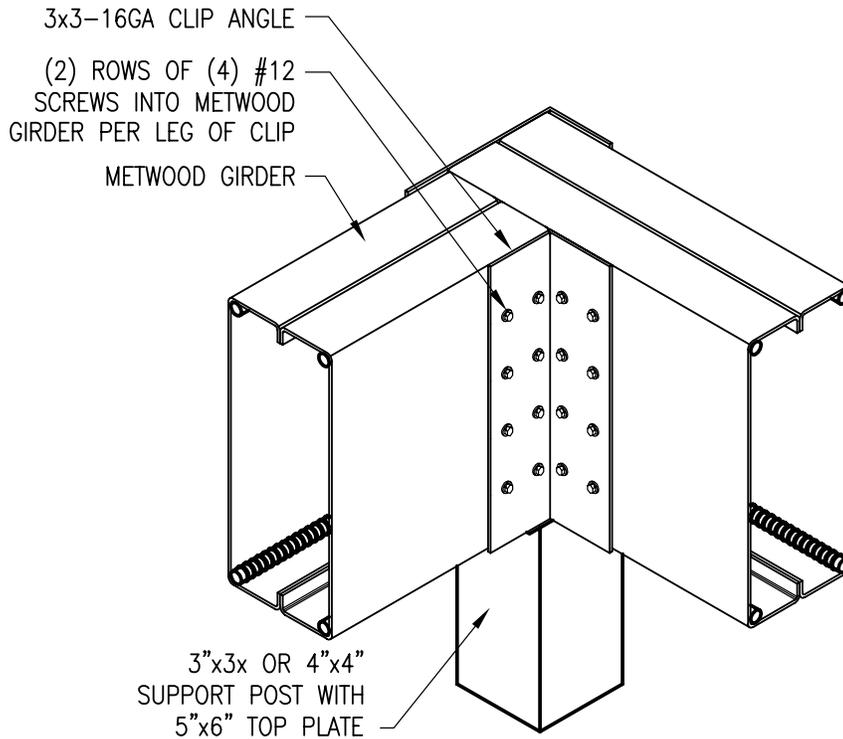
POST

FOUNDATION & BEARING

SPLICE PLATES

CAP ANGLES

CLIPS



INSIDE  
VIEW

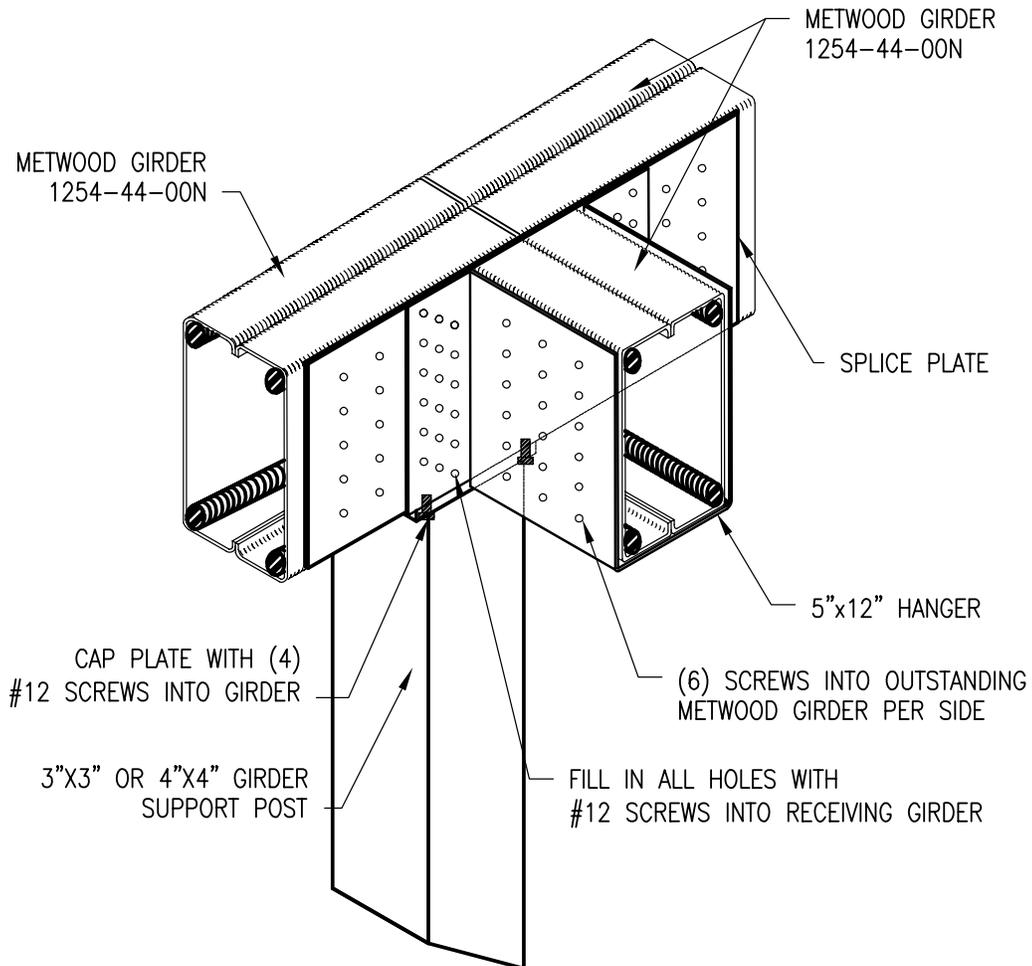
CAP ANGLE TYPE GIRDER CONNECTION  
GIRDER TO GIRDER ON POST

SCALE: 1-1/2" = 1'



GIRDER TO GIRDER  
RESTING ON POST

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 2



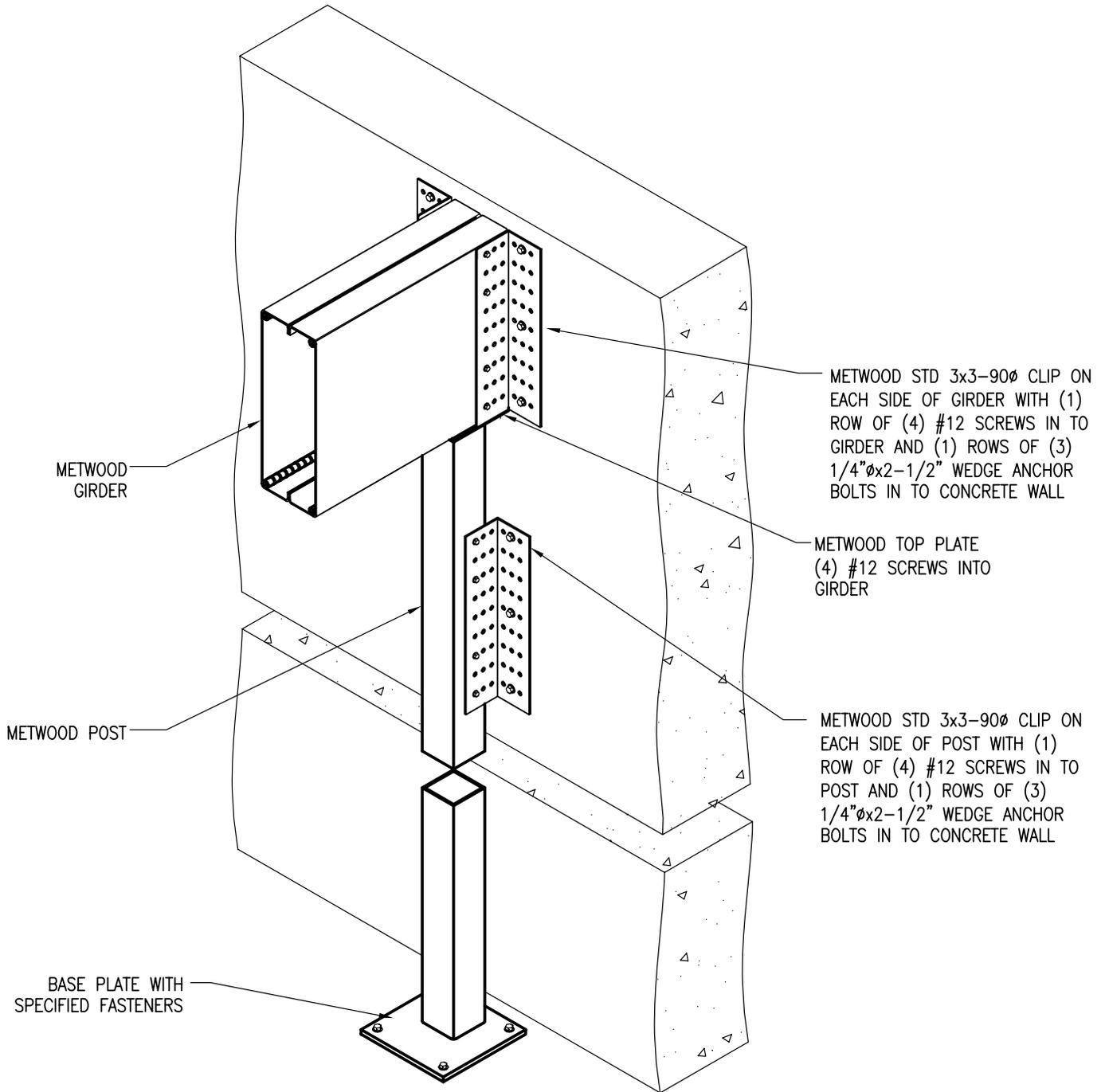
**HANGER TYPE SPLICE PLATE GIRDER CONNECTION**  
**GIRDER TO GIRDER OVER POST**

SCALE: 1-1/2" = 1'



**GIRDER TO GIRDER**  
**RESTING ON POST**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



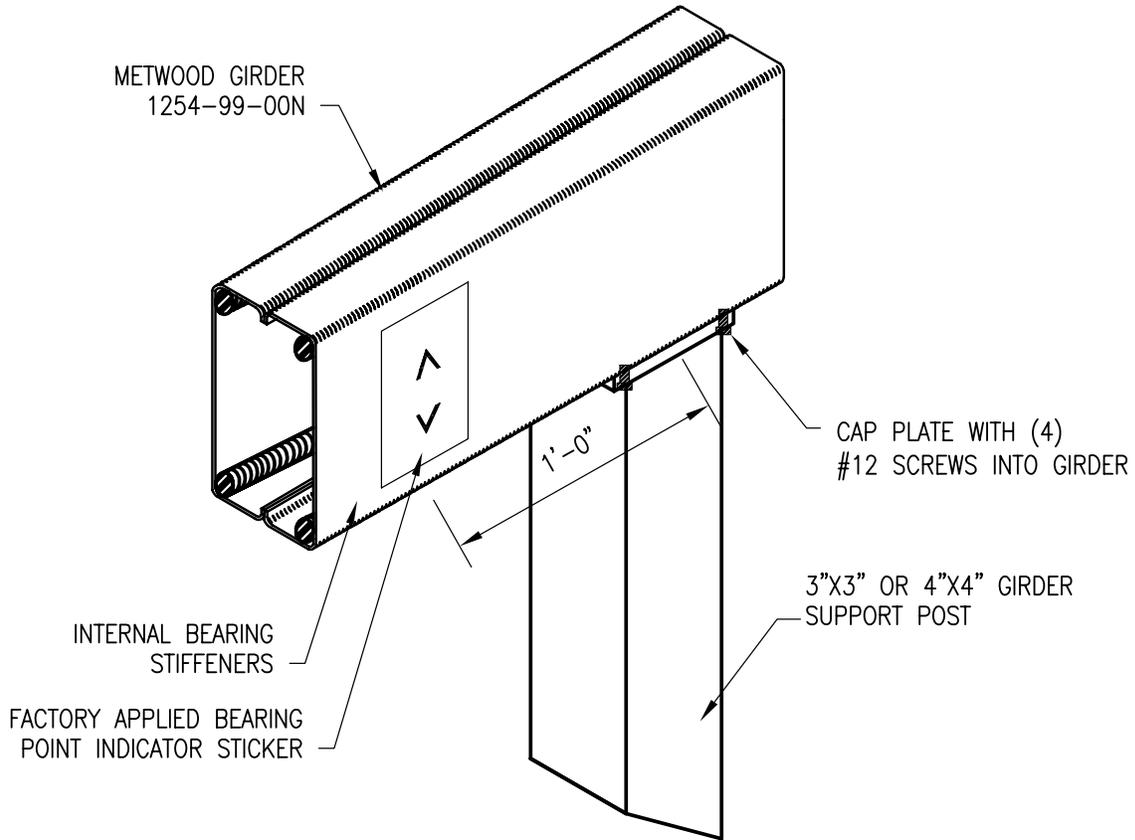
**METWOOD GIRDER RESTING ON POST**  
**CLIP ANGLE CONNECTION POST AND GIRDER TO WALL**

SCALE: 1" = 1'



**GIRDER TO POST**  
**CLIPS TO CONCRETE**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



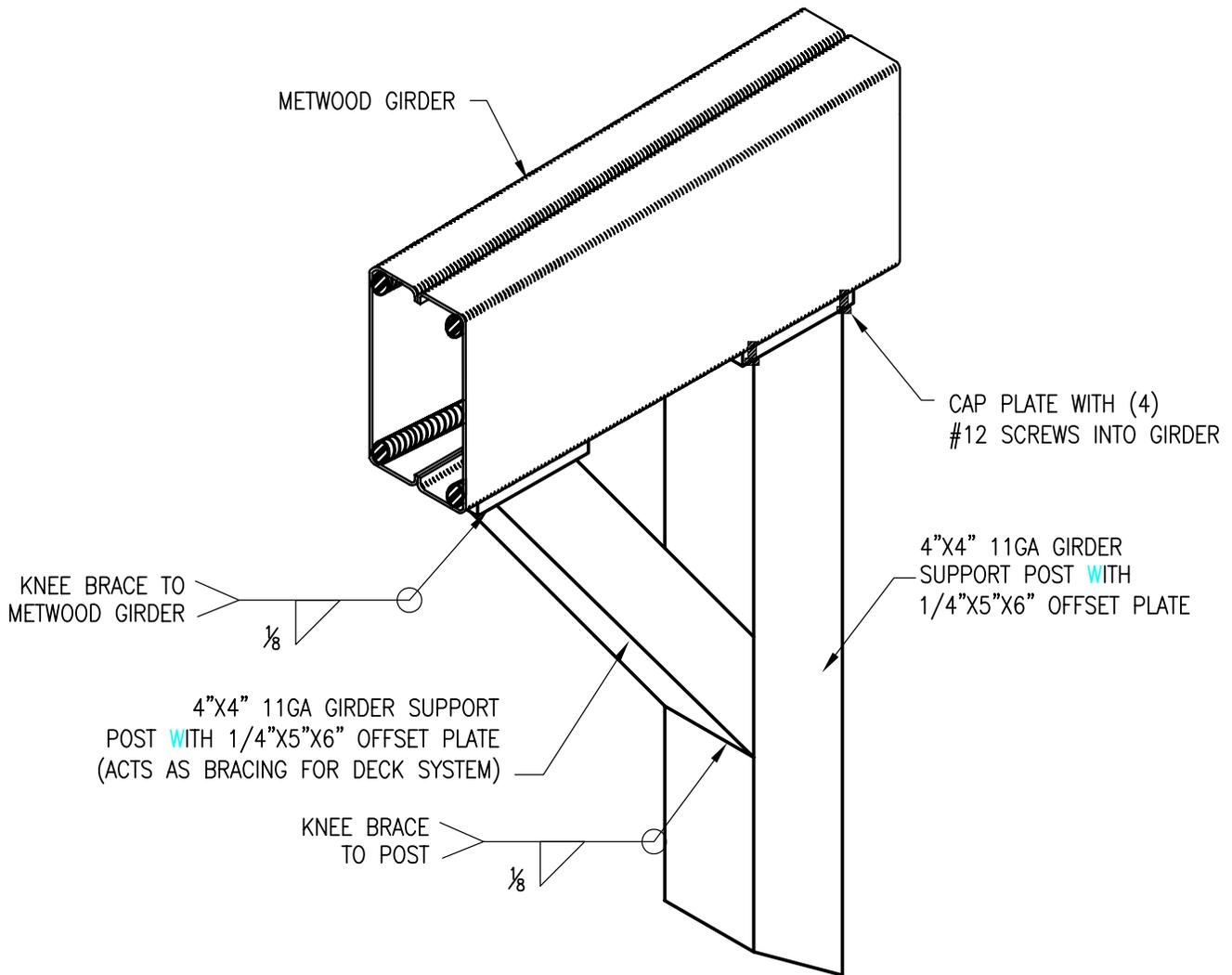
**GIRDER-POST CONNECTION**  
**3X3 & 4X4 POSTS**

SCALE: 1-1/2" = 1'



**GIRDER-POST**  
**CONNECTION**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



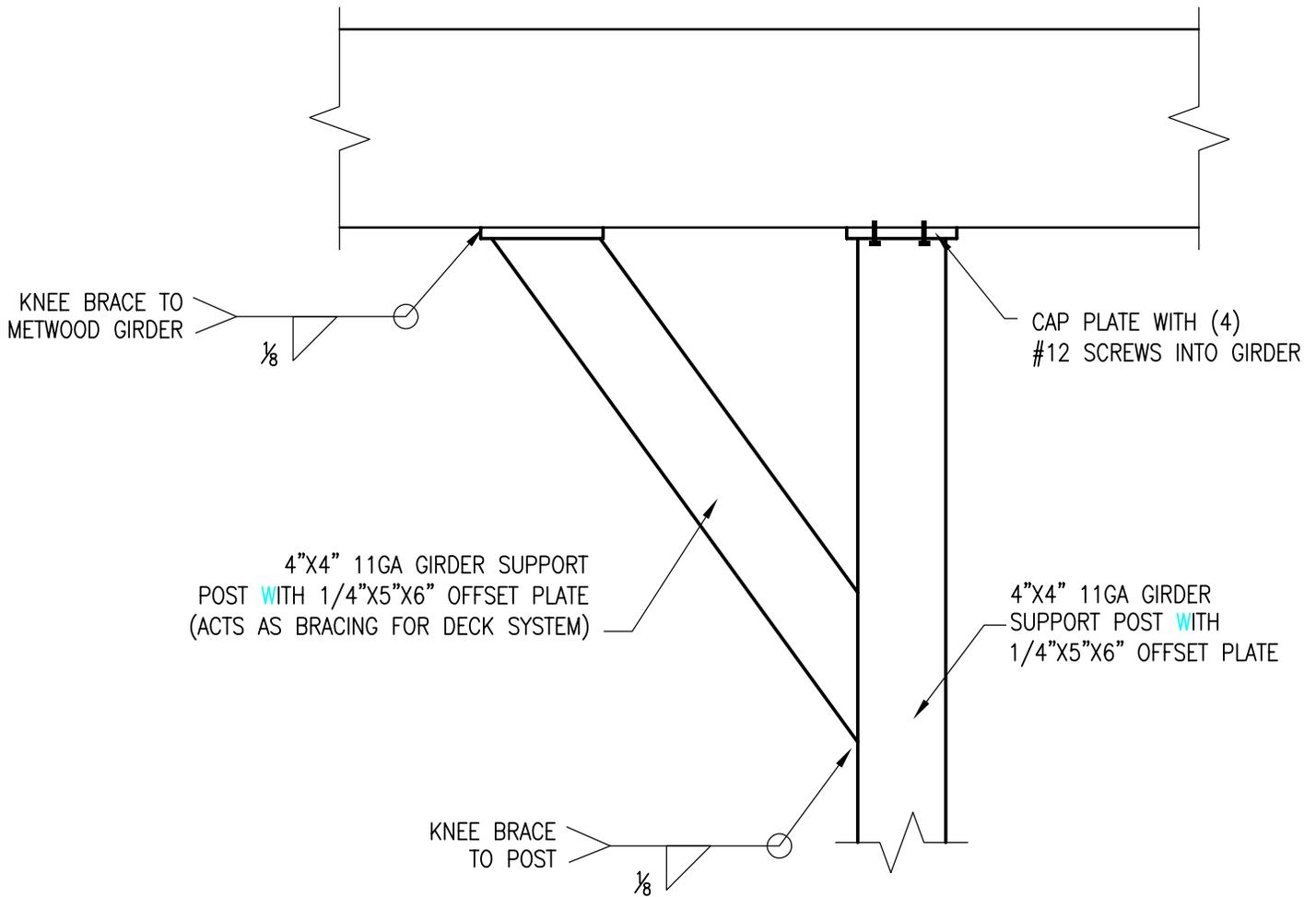
**GIRDER-POST CONNECTION**  
**3X3 & 4X4 POSTS**

SCALE: 1-1/2" = 1'



**POST WITH**  
**KNEE BRACE**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 2



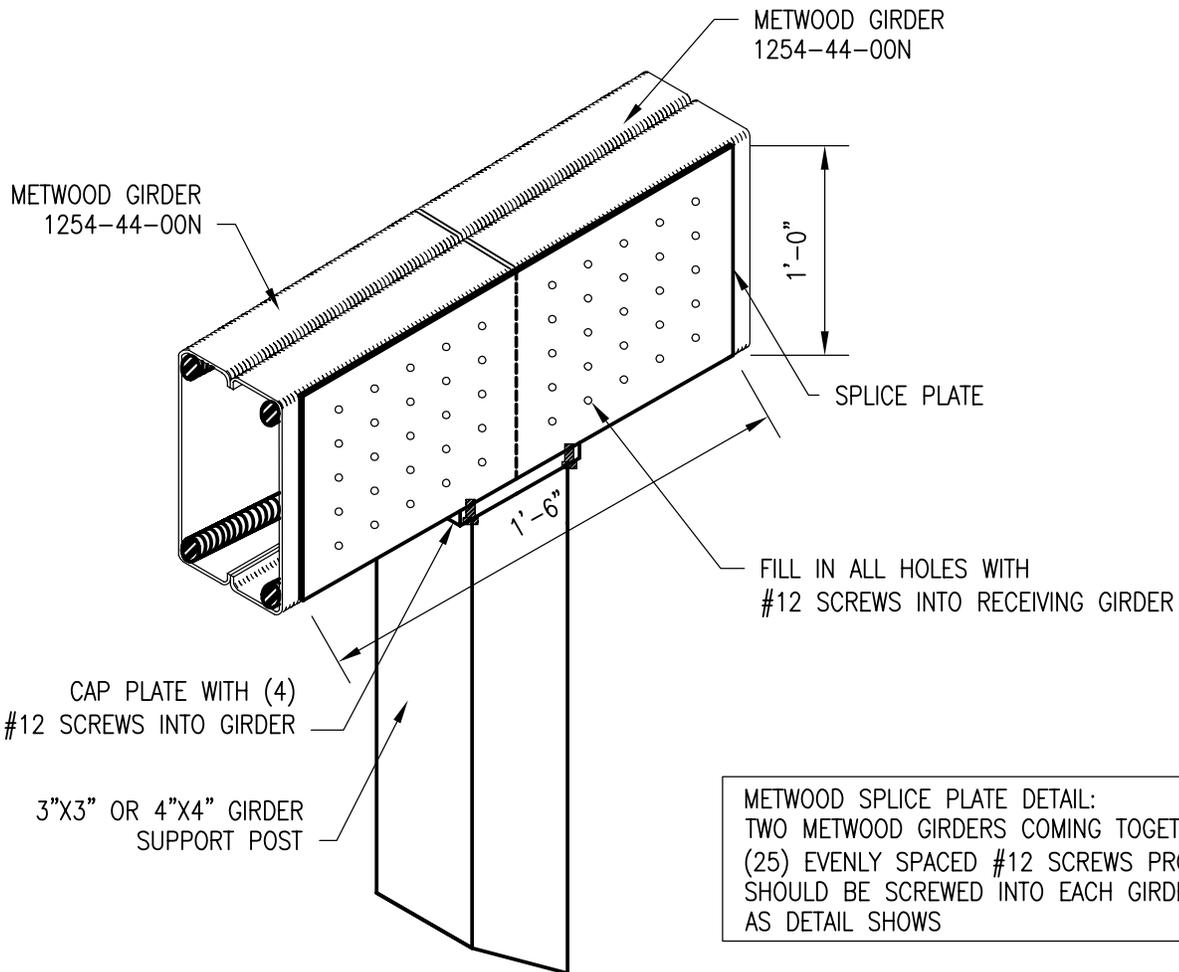
**GIRDER-POST CONNECTION**  
**3X3 & 4X4 POSTS**

SCALE: 1-1/2" = 1'



**POST WITH**  
**KNEE BRACE**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	2 OF 2



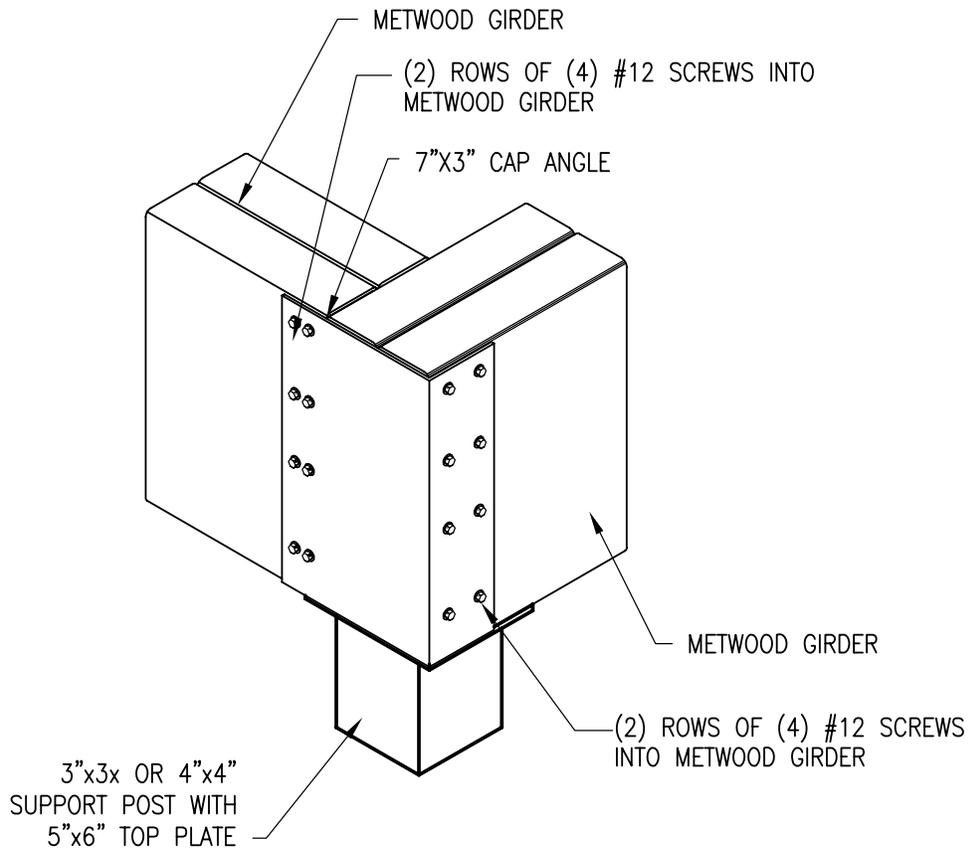
**METWOOD GIRDER TO GIRDER  
SPLICE PLATE CONNECTION OVER POST**

SCALE: 1-1/2" = 1'



**POST  
SPLICE PLATE CONN.**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



**OUTSIDE  
VIEW**

**NOTE:  
TURN PLATE AND CAP ANGLE  
TO FIT CORNER CONFIGURATION  
SEE DRAWING FOR CORNER**

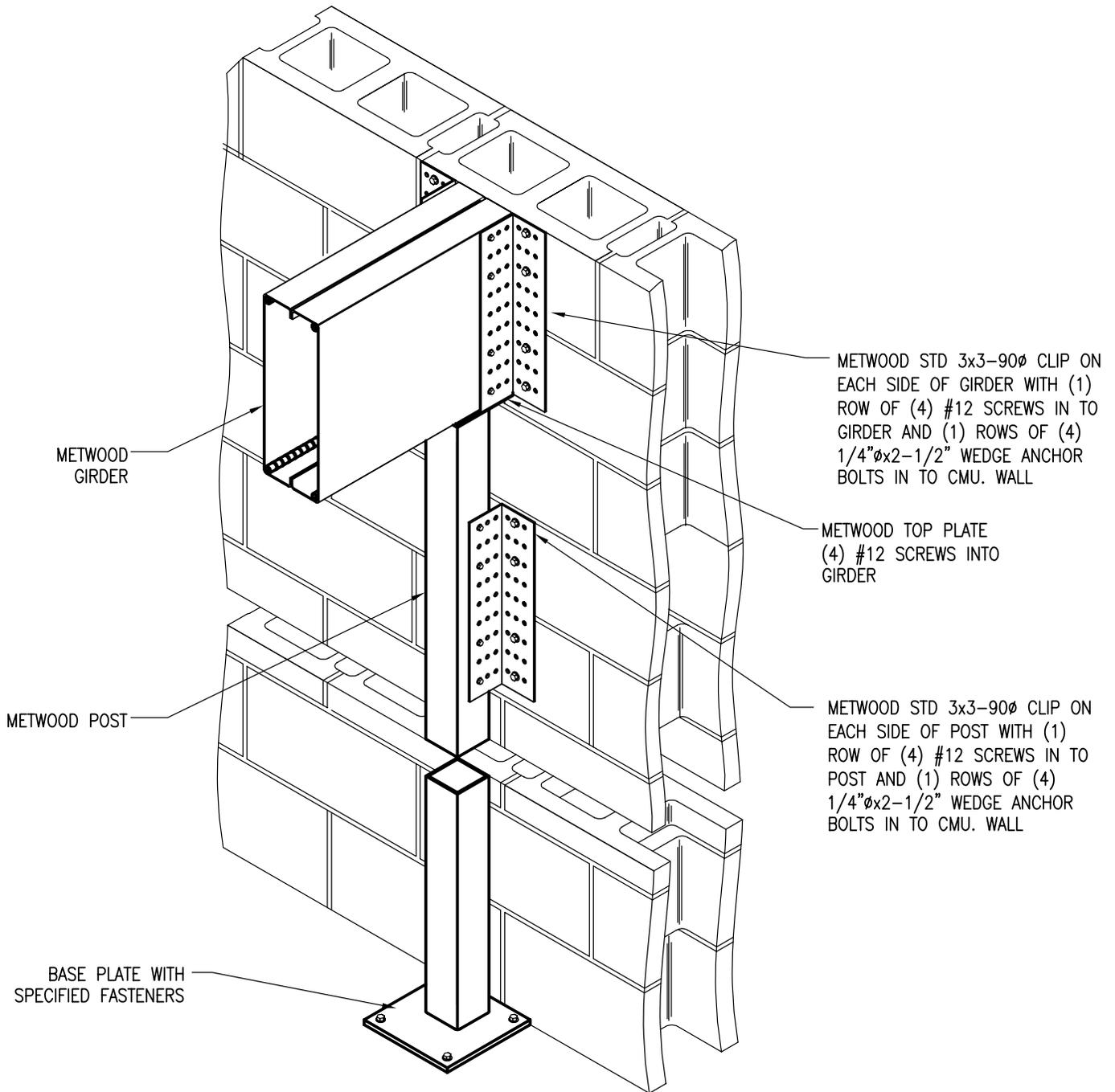
**CAP ANGLE TYPE GIRDER CONNECTION  
GIRDER TO GIRDER ON POST**

SCALE: 1-1/2" = 1'



**GIRDER TO GIRDER  
RESTING ON POST**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	2 OF 2



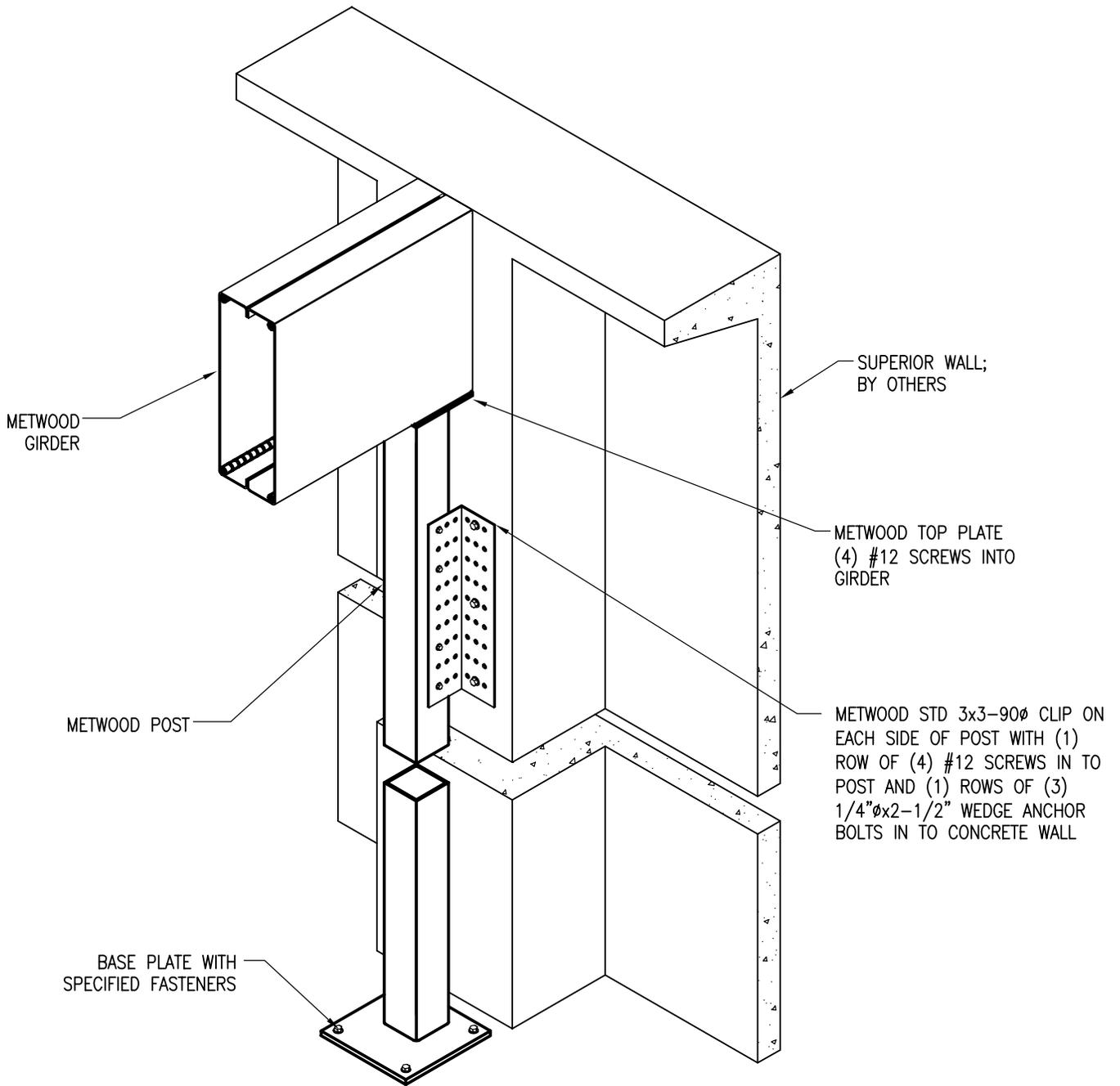
**METWOOD GIRDER RESTING ON POST**  
**CLIP ANGLE CONNECTION POST AND GIRDER TO WALL**

SCALE: 1" = 1'



**GIRDER TO POST**  
**CLIPS TO CMU**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



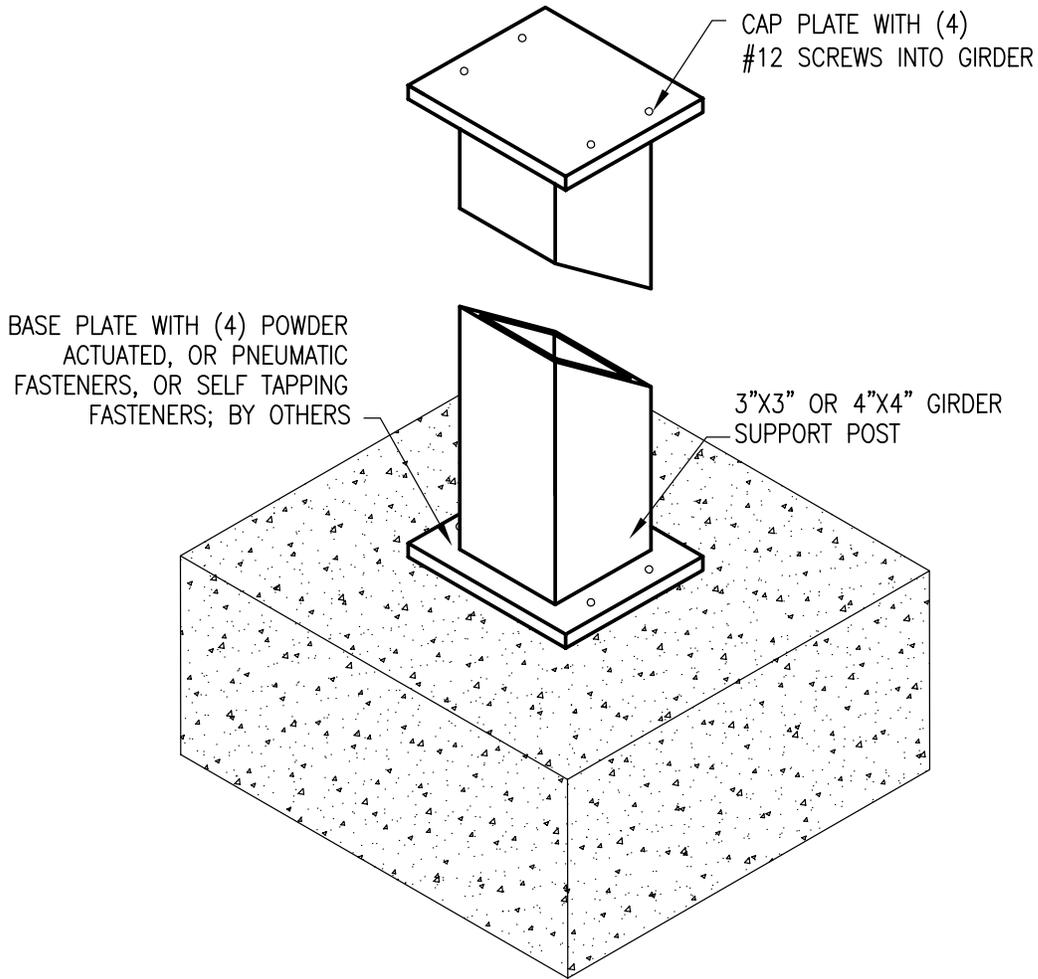
**METWOOD GIRDER RESTING ON POST**  
**CLIP ANGLE CONNECTION POST TO SUPERIOR WALL**

SCALE: 1" = 1'



**GIRDER TO POST**  
**CLIPS TO SUPERIOR WALL**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



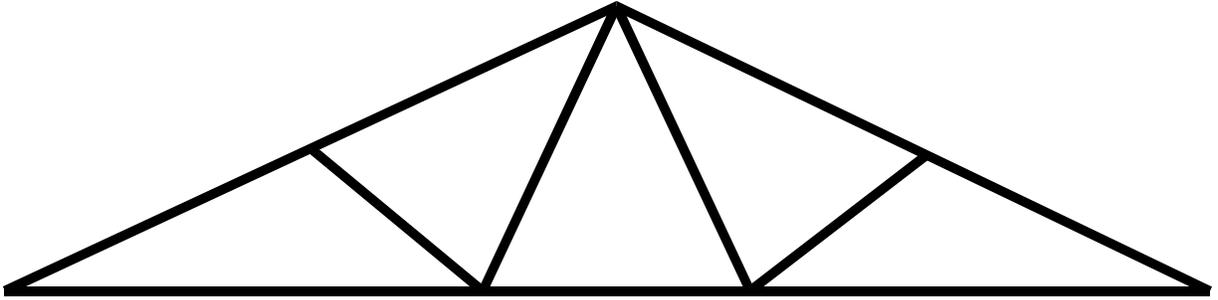
**TYPICAL METWOOD POST  
FOUNDATION BEARING**

SCALE: 1-1/2" = 1'



**POST  
FOUNDATION**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



**METWOOD**

**SUPERIOR WALL  
CONNECTIONS**

**STANDARD DETAILS**

REFER TO ARCH. DWGS.  
FOR SUPERIOR WALL  
CONNECTION DETAIL;  
BY OTHERS

USE 3x3x14-16GA ANGLE  
ON EACH SIDE TO ATTACH  
GIRDERS TO BAND MATERIAL  
W/ (2) ROWS OF (4) #12  
SCREWS IN THE BAND  
MATERIAL AND THE GIRDERS  
(PROVIDED BY METWOOD).

METWOOD 14"  
BAND MATERIAL

CONCRETE ON  
STEEL DECK,  
DECK BY METWOOD

9 1/4" OR  
12" x 1 5/8"  
STIFFENER

4"

3x3x16GA ANGLE ATTACHED TO  
STIFFENER W/2 #12 SCREWS  
AND THEN ATTACHED INTO  
SUPERIOR WALL W/2-1/4"  $\phi$  x 2 1/2"  
POWERS WEDGE ANCHORS

METWOOD 14" FLOOR BEAM

10 1/4" SUPERIOR WALL  
BY OTHERS

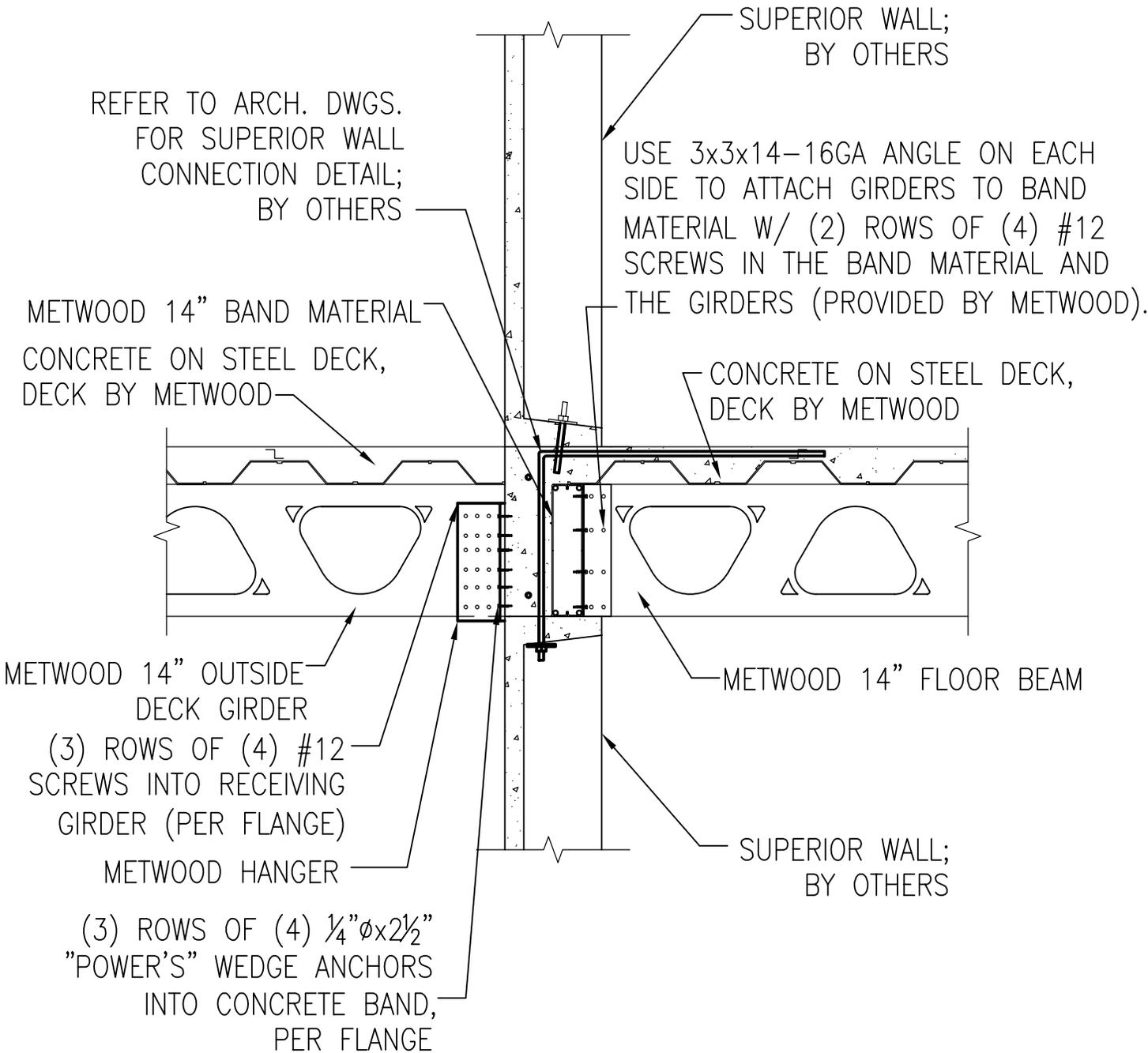
## BAND BEAM TO GIRDER

SCALE: 3/4" = 1'-0"



## SUPERIOR WALL CONNECTIONS

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



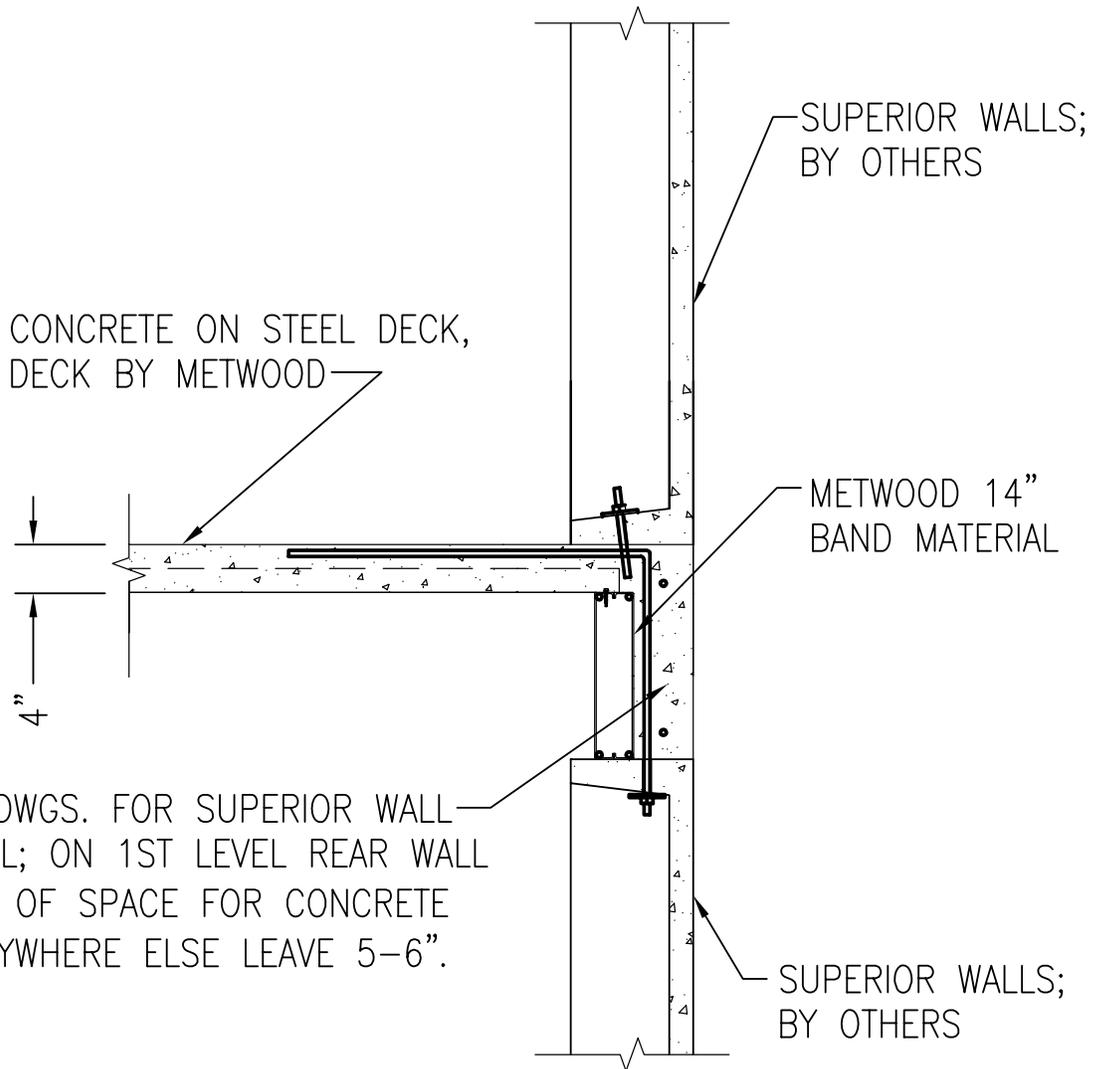
**BAND BEAM TO GIRDER  
CONNECTION AT OUTSIDE DECKS**

SCALE: 3/4" = 1'-0"



**SUPERIOR WALL  
CONNECTIONS**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



REFER TO ARCH. DWGS. FOR SUPERIOR WALL CONNECTION DETAIL; ON 1ST LEVEL REAR WALL ONLY LEAVE 4-6" OF SPACE FOR CONCRETE POUR OVER, EVERYWHERE ELSE LEAVE 5-6".

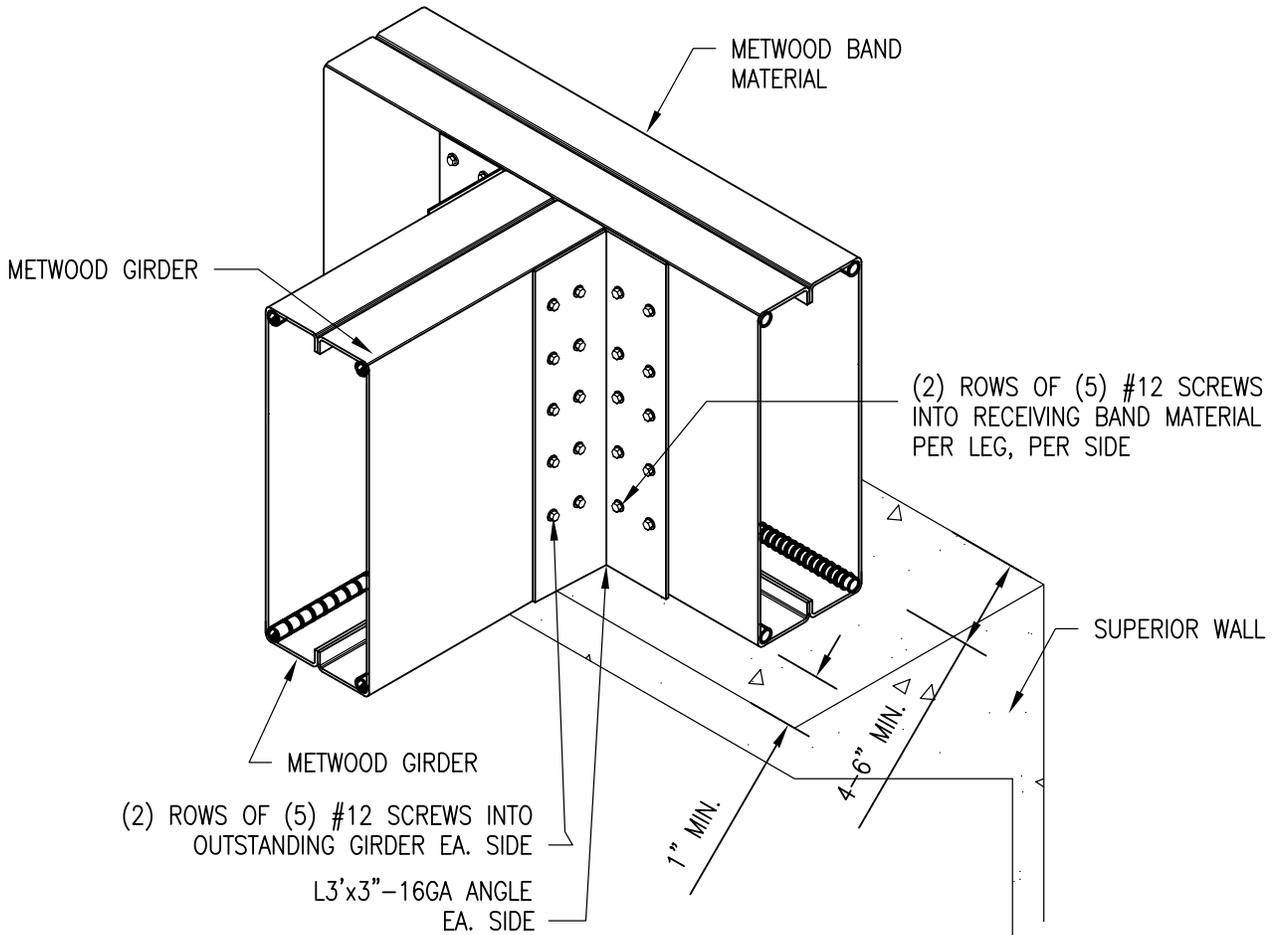
**BAND BEAM TO GIRDER CONNECTION SIDE WALLS**

SCALE: 3/4" = 1'-0"



**SUPERIOR WALL CONNECTIONS**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



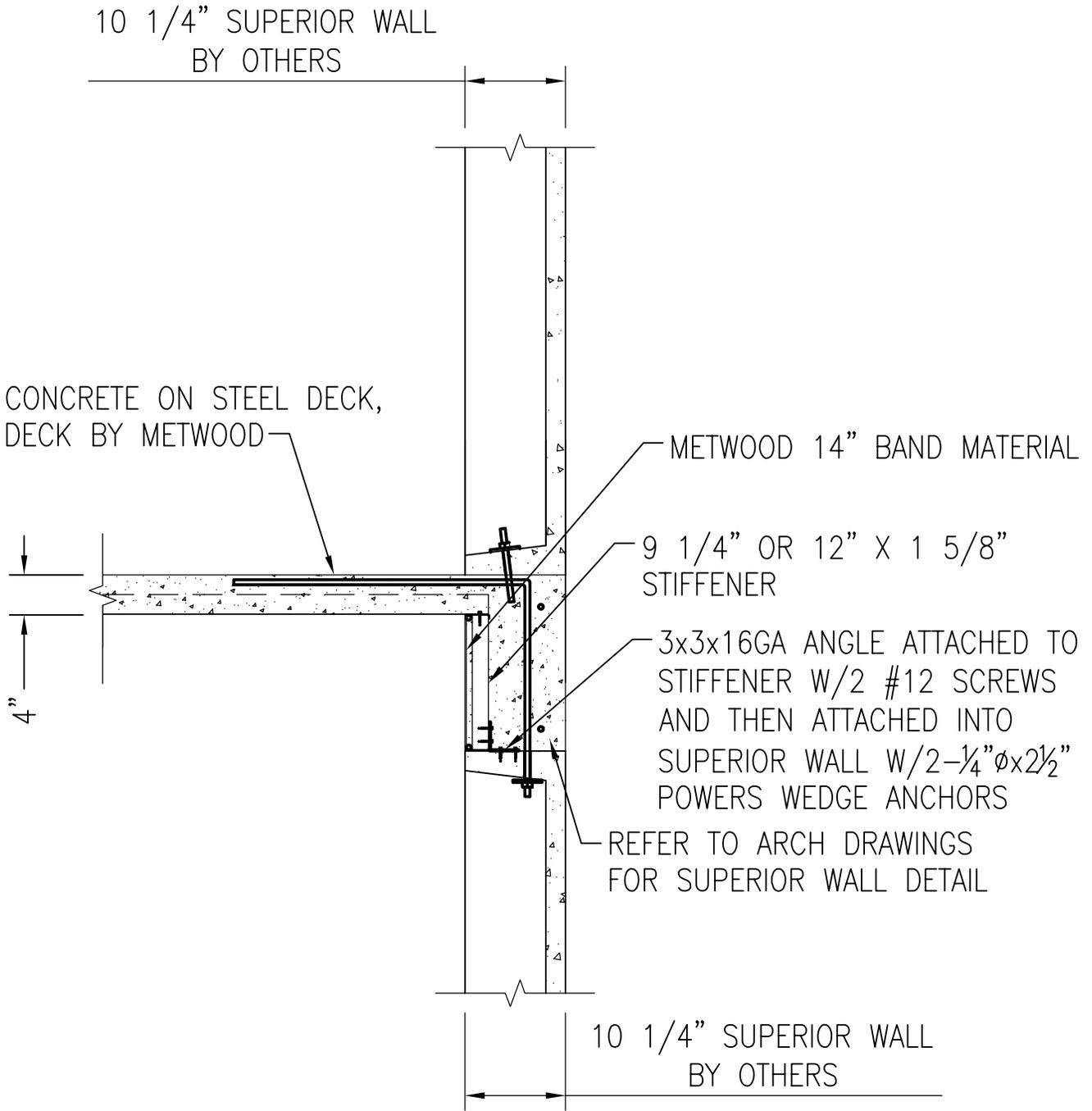
**HANGER TYPE GIRDER CONNECTION**  
**GIRDER TO OUTSIDE BAND MATERIAL**

SCALE: 1 1/2" = 1'-0"



**SUPERIOR WALL**  
**CONNECTIONS**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



## BAND BEAM CONNECTION

SCALE: 3/4" = 1'-0"



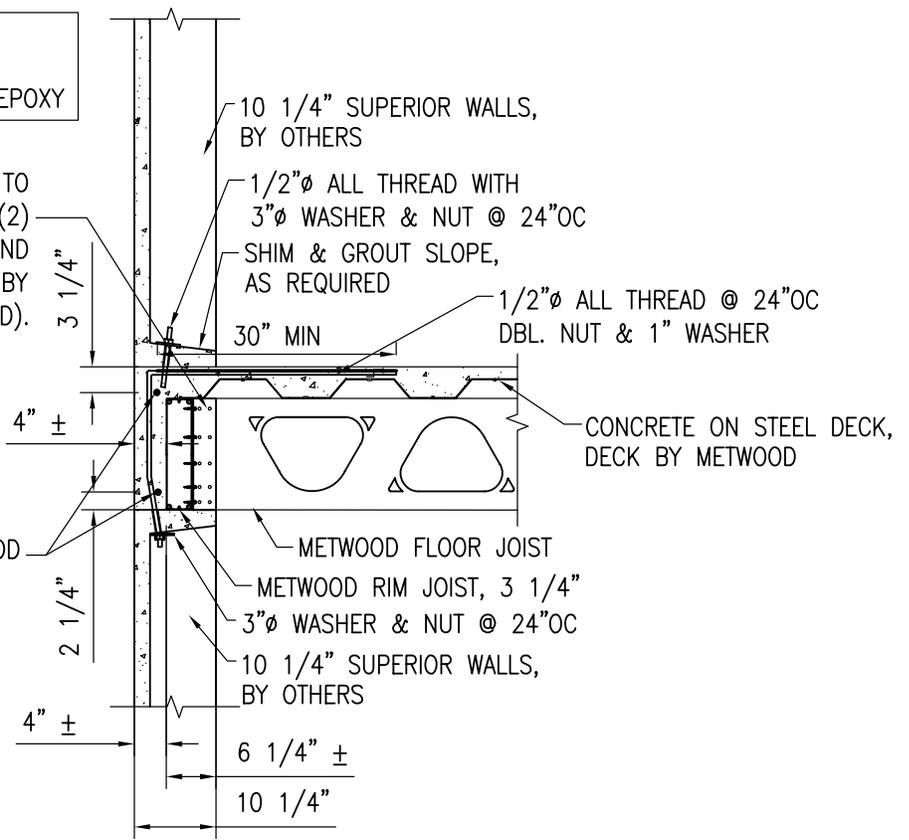
## SUPERIOR WALL CONNECTIONS

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

NOTE:  
 1. SET 1/2"Ø ALL THREAD WITH SIMPSON SET - 22 EPOXY

USE 3x3x14-16GA ANGLE ON EACH SIDE TO ATTACH GIRDERS TO BAND MATERIAL W/ (2) ROWS OF (5) #12 SCREWS IN THE BAND MATERIAL AND THE GIRDERS (PROVIDED BY METWOOD).

(2) #4 CONT., NOT BY METWOOD

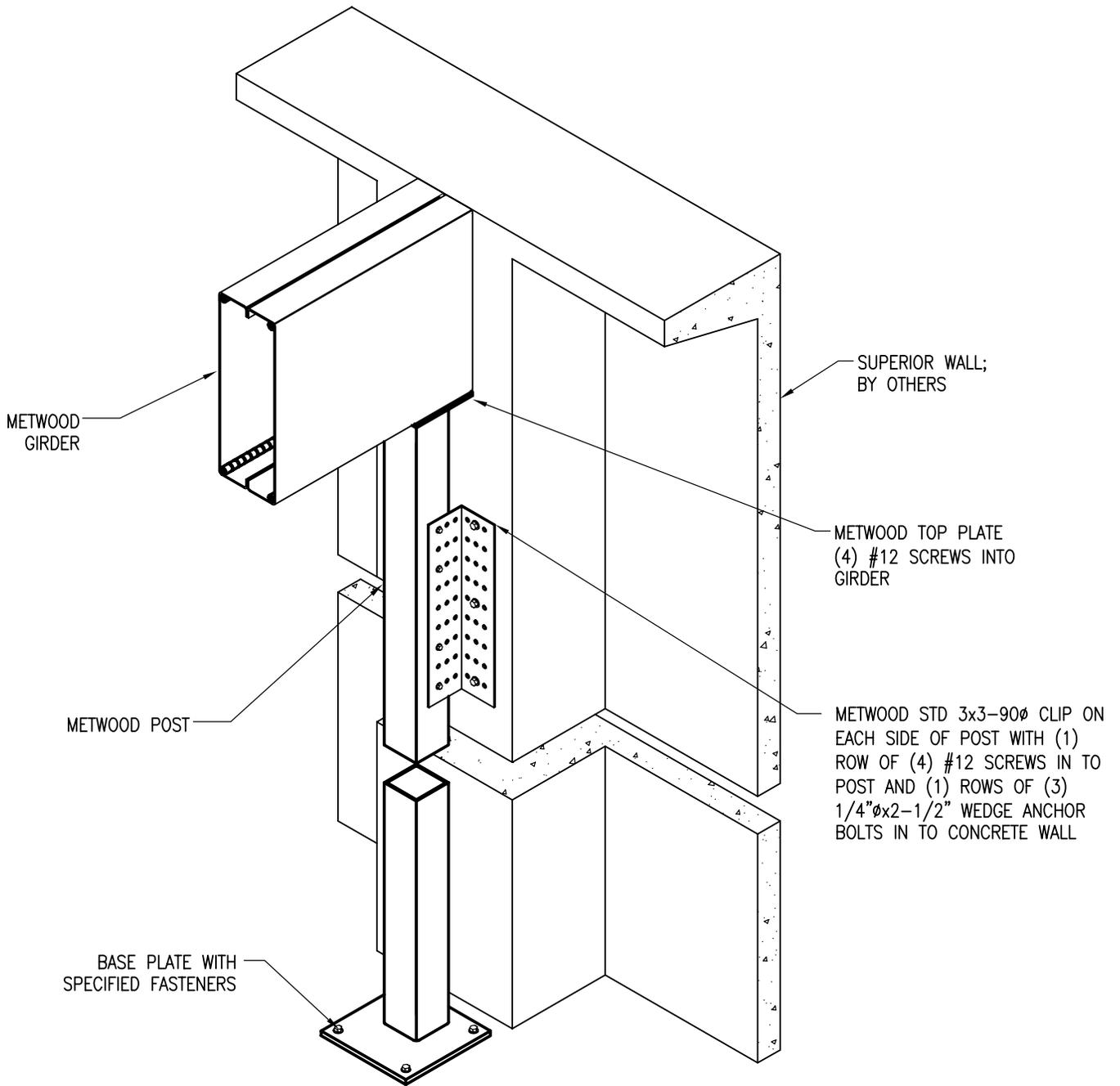


**BAND BEAM TO GIRDER**  
 SCALE 1/2" = 1'-0"



**SUPERIOR WALL CONNECTIONS**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



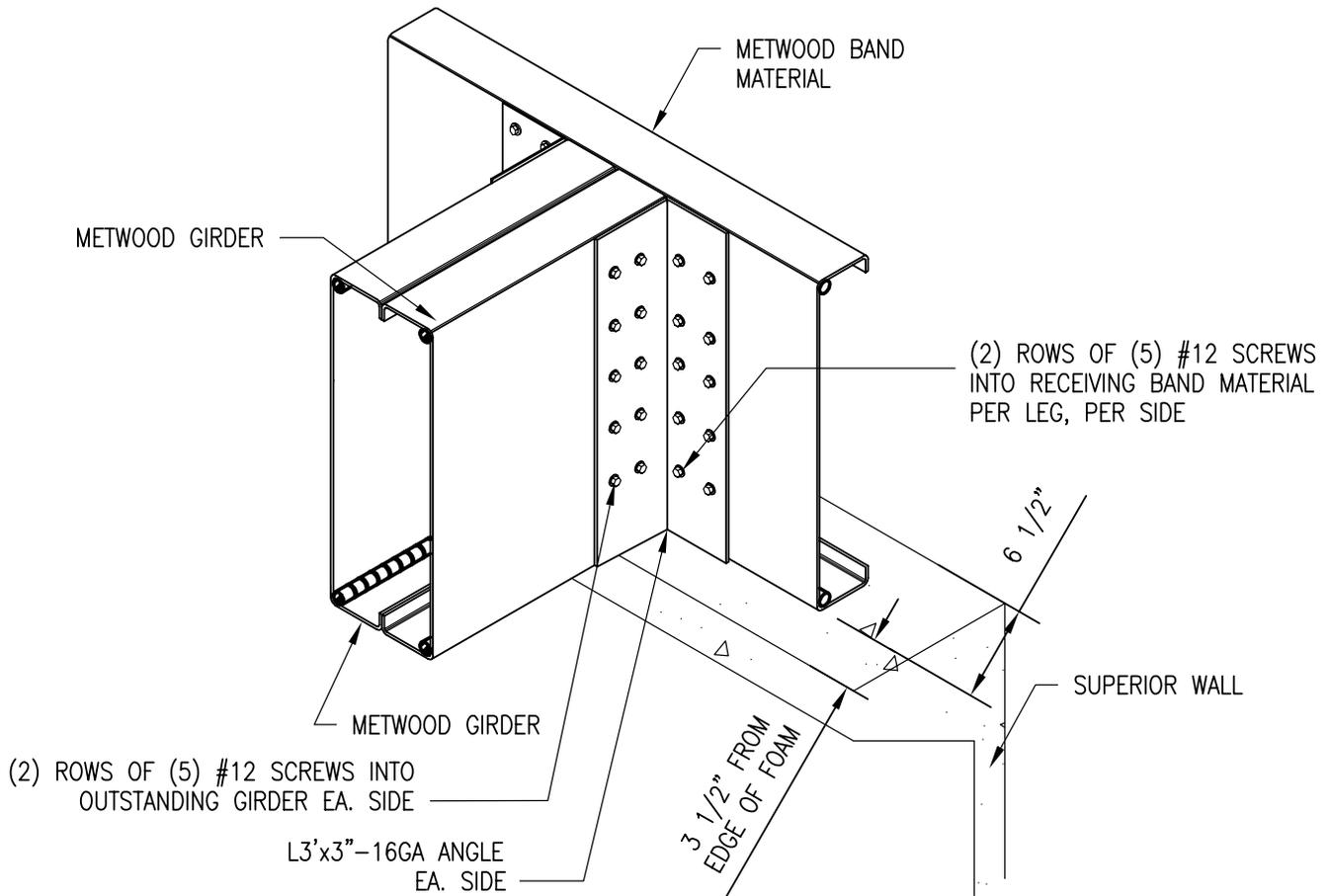
**METWOOD GIRDER RESTING ON POST**  
**CLIP ANGLE CONNECTION POST TO SUPERIOR WALL**

SCALE: 1" = 1'



**SUPERIOR WALL**  
**CONNECTIONS**

DRAWN RAH	DATE 12/5/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



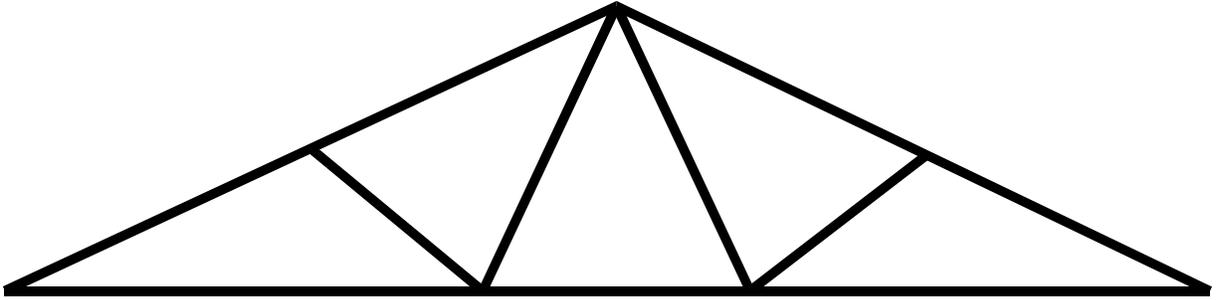
**HANGER TYPE GIRDER CONNECTION**  
**GIRDER TO OUTSIDE BAND MATERIAL**

SCALE: 1-1/2" = 1'-0"



**SUPERIOR WALL**  
**CONNECTIONS**

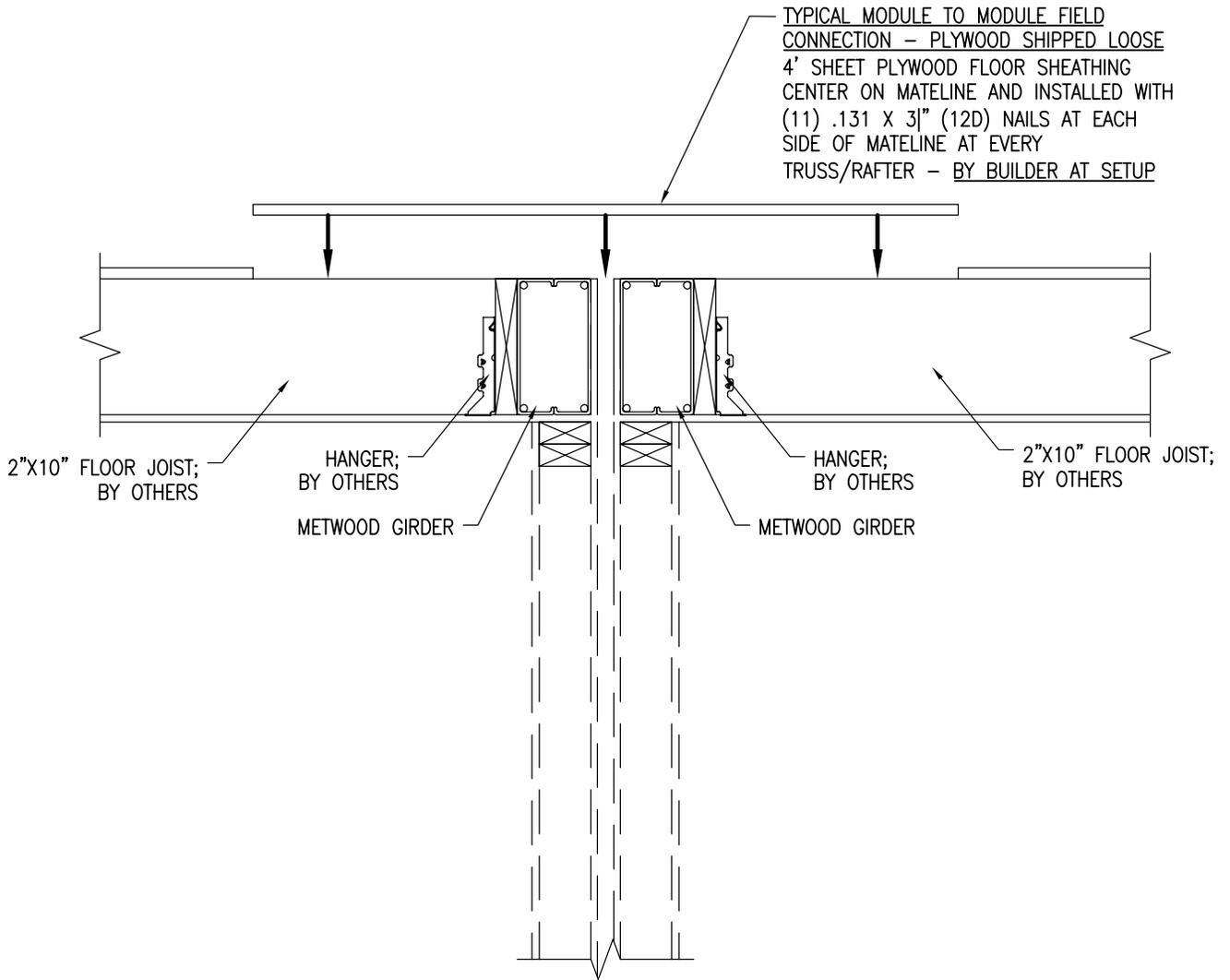
DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



# METWOOD

MODULAR UNIT  
CONNECTIONS

STANDARD DETAILS



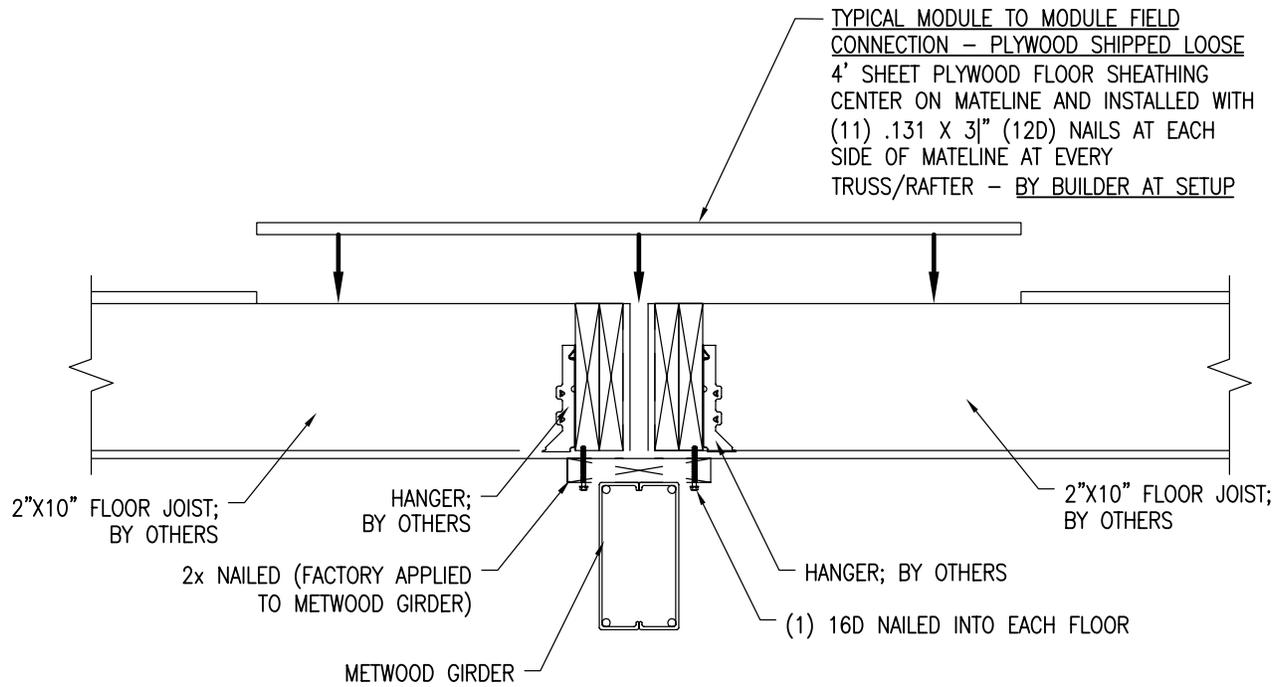
**HANGER TYPE JOIST CONNECTION**  
**JOIST TO GIRDER**

SCALE: 1" = 1'



**MODULAR**  
**UNIT CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1



**HANGER TYPE JOIST CONNECTION**  
**JOIST TO GIRDER**

SCALE: 1" = 1'

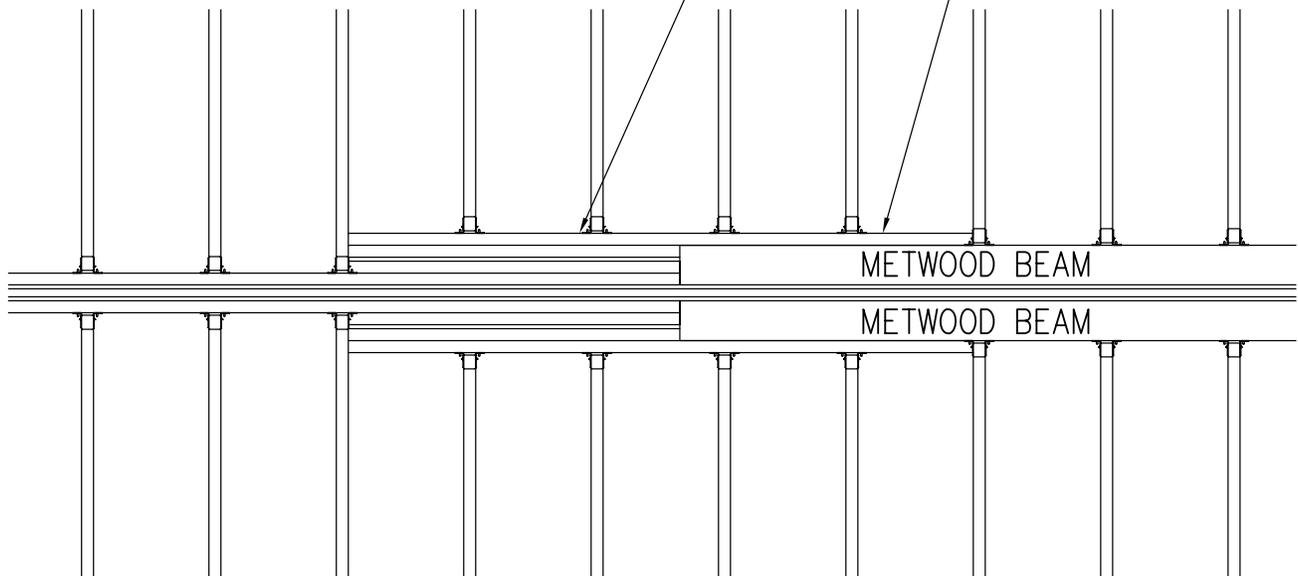


**MODULAR**  
**UNIT CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1

CONNECT METWOOD BEAM TO MARRIAGE LINE  
 RAIL W/ (15) #12 X 2" SELF TAPPING SHEET  
 METAL SCREWS (3 ROWS OF 5 SCREWS)

CONNECT 2X10 TO MARRIAGE LINE  
 RAIL W/ (15) .131 (12D) X 3" NAILS  
 (5 ROWS OF 5 NAILS)



**HANGER TYPE JOIST CONNECTION**  
**JOIST TO GIRDER**

SCALE: 1/2" = 1'



**MODULAR**  
**UNIT CONNECTION**

DRAWN RAH	DATE 12/8/08
CHECKED	SCALE AS NOTED
REV. DATE	SHEET
	1 OF 1