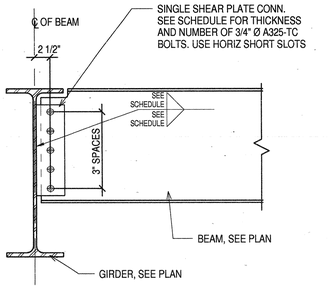
FRAMED BEAM CONNECTION DETAIL



FRAMED BEAM CONNECTION SCHEDULE

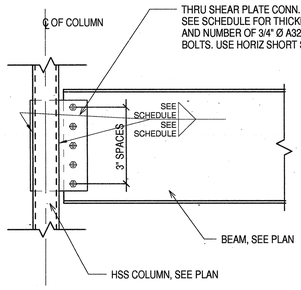
BEAM SIZE	NUMBER OF BOLTS IN ONE VERTICAL ROW	MINIMUM PLATE THICKNESS	MINIMUM FILLET WELD SIZE	CAPACITY
W30	8	3/8"	5/16"	106k
W27 & W24	7	3/8"	5/16"	96.4k
W21	6	5/16"	1/4"	79.2k
W18	5	5/16"	1/4"	62k
W16	4	1/4"	3/16"	44.7k
W14 & W12	3	1/4"	3/16"	27.8k
W10 & W8	2	1/4"	3/16"	14k

NOTES:

1. SCHEDULE SHOWN FOR REFERENCE ONLY. CONNECTIONS TO BE DESIGNED BY FABRICATOR FOR REACTIONS SHOWN ON PLANS AND ELEVATIONS AND REVIEWED BY ARCHITECT / ENGINEER.
2. CAPACITY IN SCHEDULE BASED ON LRFD DESIGN WITH FACTORED LOADS AND STANDARD OR SHORT HORIZONTAL SLOTTED HOLES. OVERSIZE HOLES OR VERTICAL SLOTS ARE NOT PERMITTED.
3. WHERE A LARGER REACTION IS SHOWN ON THE DRAWING, USE LARGER HIGH STRENGTH BOLTS OR DOUBLE ANGLE CONNECTION.
4. PLATE EDGE DISTANCE IS 1 1/2" TYPICAL FROM CENTER OF HOLES.
5. PREHEAT WELDS AS REQUIRED BY AISC.

1 TYPICAL WFLG BEAM TO WFLG BEAM
1" = 1'-0"

FRAMED BEAM CONNECTION DETAIL



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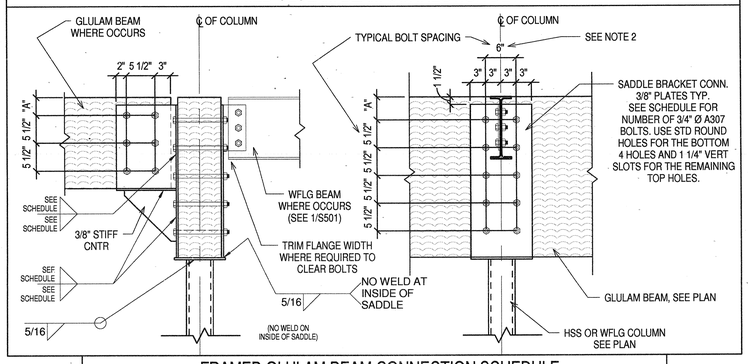
3. WHERE A LARGER REACTION IS SHOWN ON THE DRAWING, USE LARGER HIGH STRENGTH BOLTS OR DOUBLE ROW CONNECTION.
4. PLATE EDGE DISTANCE IS 1 1/2" TYPICAL FROM CENTER OF HOLES.
5. PREHEAT WELDS AS REQUIRED BY AISC.

2 TYPICAL WFLG BEAM TO HSS COLUMN
1" = 1'-0"

FRAMED GLULAM BEAM CONNECTION DETAIL



FRAMED GLULAM BEAM CONNECTION SCHEDULE

GLULAM DEPTH	TOTAL NUMBER OF BOLTS IN SADDLE CONNECTION	"A"	MINIMUM PLATE THICKNESS	MINIMUM FILLET WELD SIZE	CAPACITY
31.625	10	4 1/2"	3/8"	5/16"	
24.75	8	4 1/4"	3/8"	5/16"	
23.375	8	3 1/2"	3/8"	5/16"	
17.875	6	3 1/2"	3/8"	1/4"	
✳ 16.5	6	3 1/4"	3/8"	1/4"	

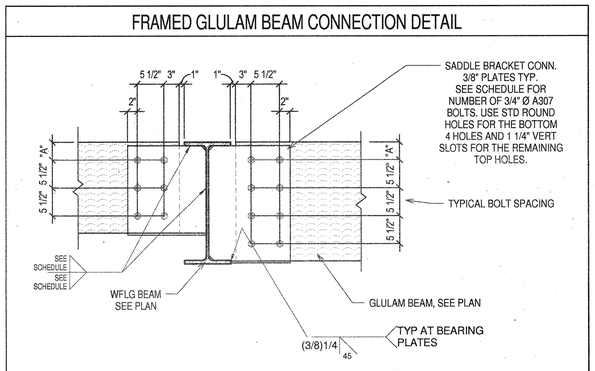
✳ USE 5" VERTICAL SPACES AT 16.5.

NOTES:

1. SCHEDULE SHOWN FOR REFERENCE ONLY. CONNECTIONS TO BE DESIGNED BY FABRICATOR AND REVIEWED BY ARCHITECT / ENGINEER.
2. INCREASE THE 6" DIMENSION TO BE 4" WIDER THAN THE GLULAM WIDTH WHERE GLULAM BEAM FRAMES INTO SIDE OF SADDLE.
   (ie, 8.5" WIDE GLULAM, DIMENSION BETWEEN BOLT ROWS WILL BE 12.5")

3 TYPICAL GLULAM SADDLE COLUMN CONNECTION
1" = 1'-0"

FRAMED GLULAM BEAM CONNECTION DETAIL



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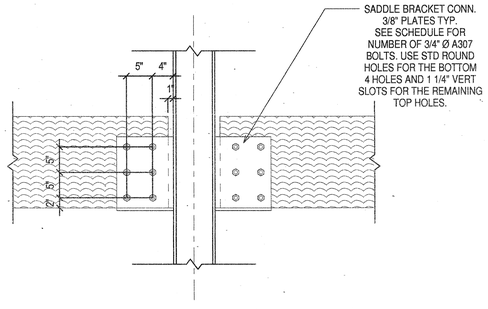
NOTES:

1. SCHEDULE SHOWN FOR REFERENCE ONLY. CONNECTIONS TO BE DESIGNED BY FABRICATOR AND REVIEWED BY ARCHITECT / ENGINEER.

4 TYPICAL GLULAM BEAM TO WFLG BEAM
1" = 1'-0"

FRAMED GLULAM BEAM CONNECTION DETAIL



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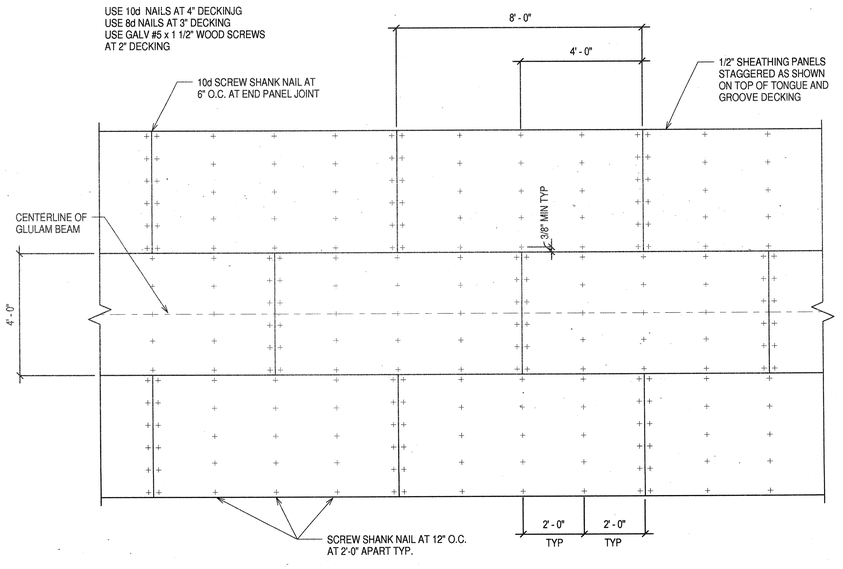
✳ 16.5	6	3 1/4"	3/8"	1/4"	

✳ USE 5" VERTICAL SPACES AT 16.5.

NOTES:

1. SCHEDULE SHOWN FOR REFERENCE ONLY. CONNECTIONS TO BE DESIGNED BY FABRICATOR AND REVIEWED BY ARCHITECT / ENGINEER.

5 TYPICAL GLULAM BEAM TO STEEL COLUMN
1" = 1'-0"



NOTE:
DO NOT LOCATE PLYWOOD JOINT ABOVE GLULAM BEAM

6 TYPICAL PLYWOOD DECK ATTACHMENT
1/2" = 1'-0"

POLK STANLEY ROWLAND CURZON PORTER
ARCHITECTS, LTD.

700 SOUTH SCHILLER
LITTLE ROCK, AR 72201
501.378.0878 office
501.372.7629 fax

509 W. SPRING STREET, SUITE 150
FAYETTEVILLE, AR 72701
479.444.0473 office
473.251.7216 fax

www.polkstanley.com

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CIVIL ENGINEER:
MCCLELLAND ENGINEERS

LANDSCAPE ARCHITECT:
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STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB ENGINEER:
CROMWELL ENGINEERS INC.

GLOBAL VILLAGE CONSULTANT
CAMBRIDGE SEVEN ASSOCIATES

INTERIOR DESIGNER:
POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS

GENERAL CONTRACTOR:
CDI CONTRACTORS, INC.

NOTES:

ISSUE DATE:
17 SEPTEMBER 07

REVISIONS:

#	DATE:	DESCRIPTION:

MURPHY KELLER EDUCATION CENTER

HEIFER INTERNATIONAL CENTER

LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:
431E

CONTENTS:
TYPICAL CONNECTION DETAILS

SHEET NUMBER:
S401