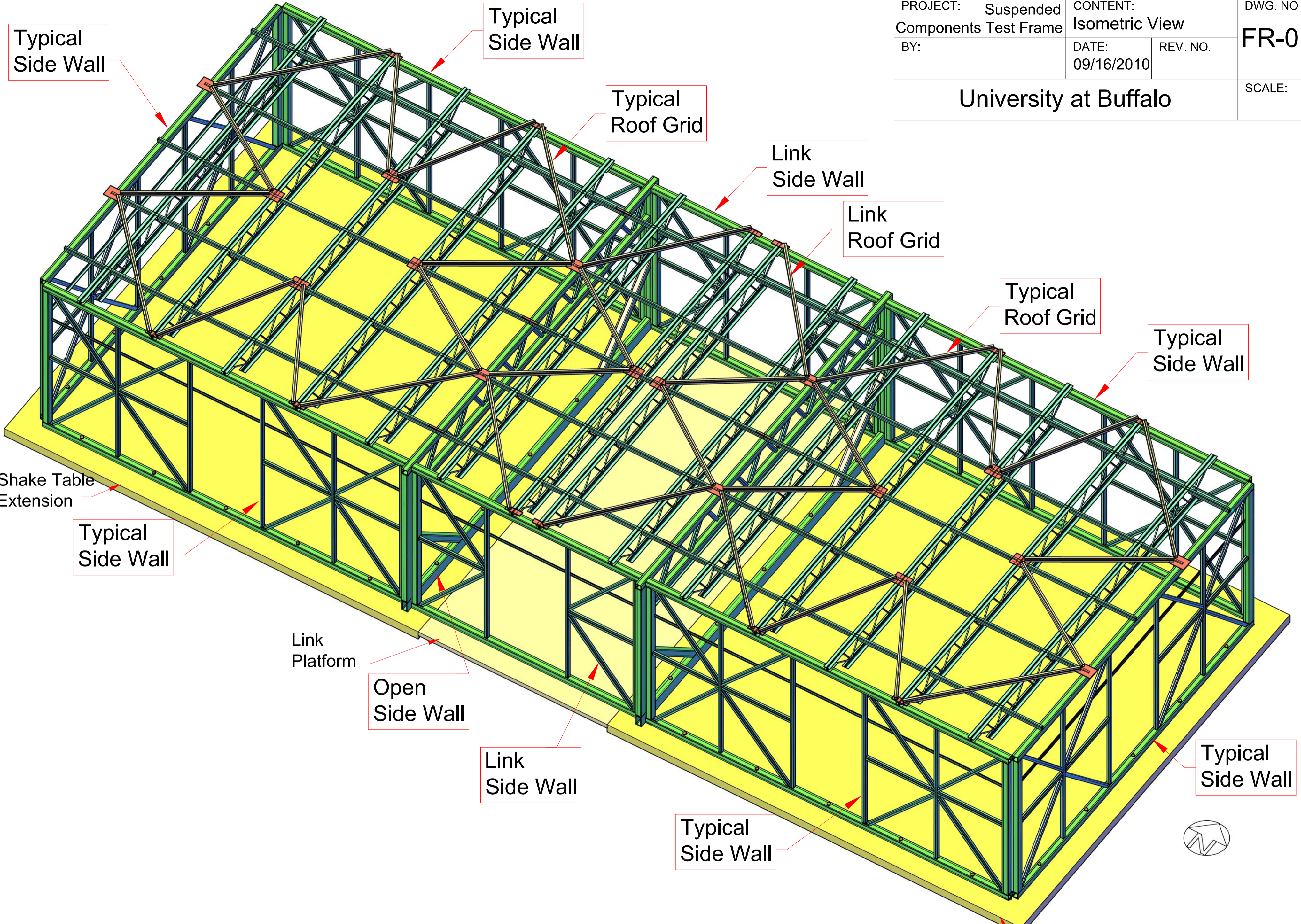
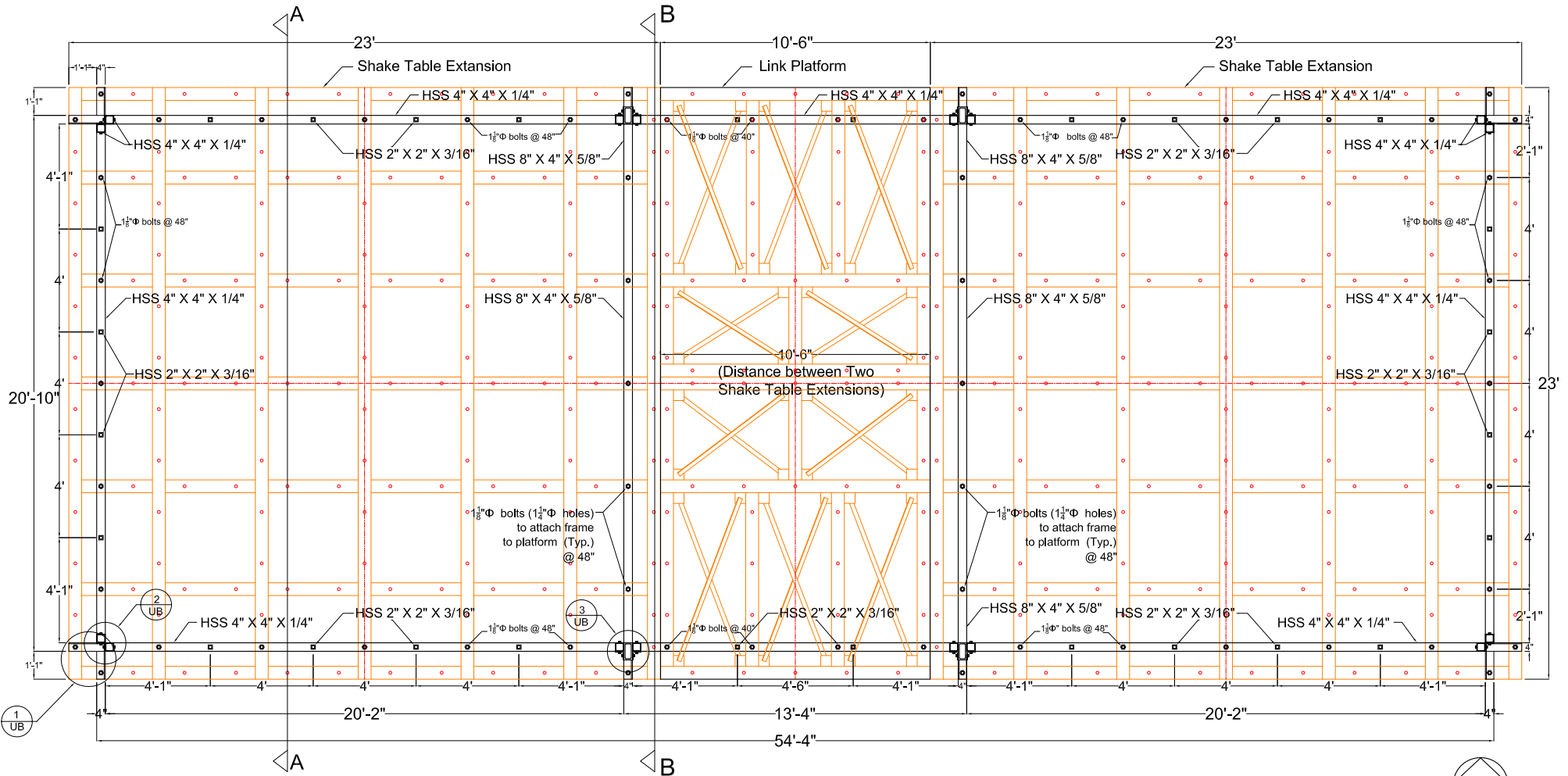


PROJECT: Suspended Components Test Frame	CONTENT: Isometric View	DWG. NO: FR-01
BY:	DATE: 09/16/2010	REV. NO.:
University at Buffalo		SCALE:



Isometric View: New Test Frame (20'-10"x54'-4")

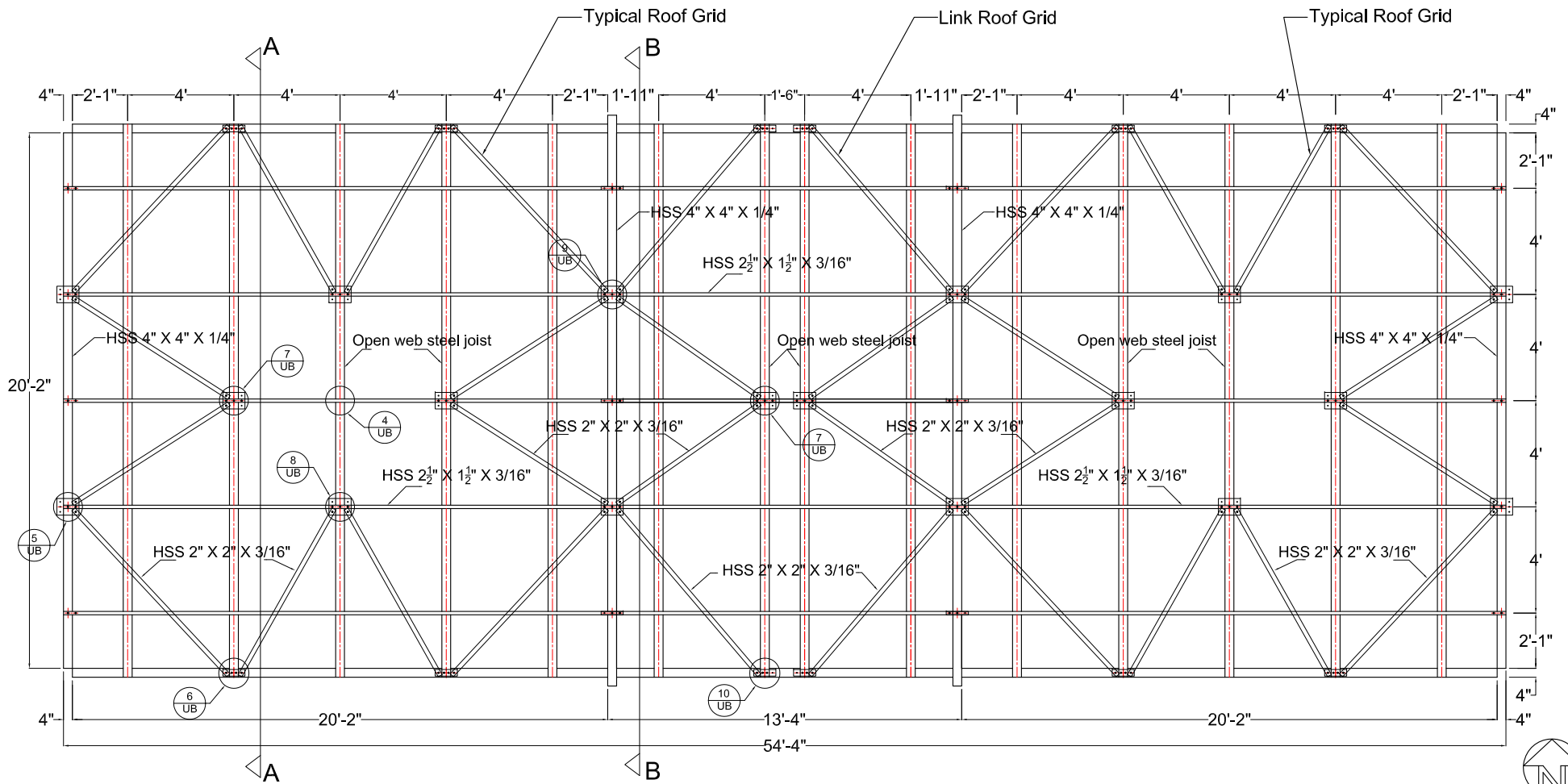




Floor Plan (20'-10" x 54'-4")

Note
All steels must be
"Primer Spray Painted".

PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO: FR-02
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

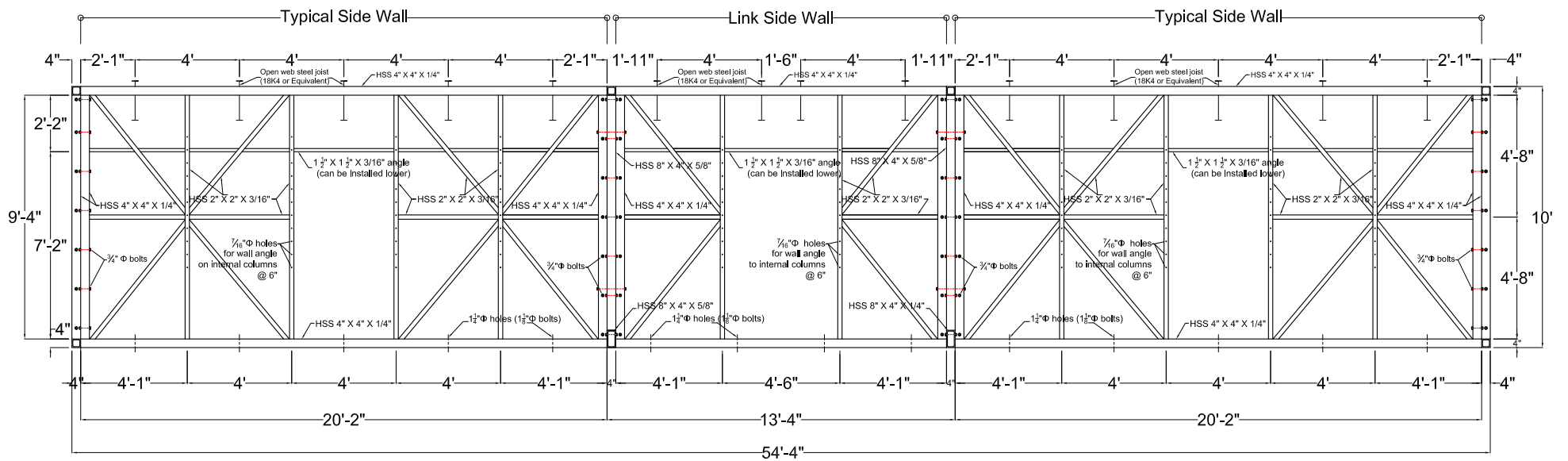


Roof Plan (20'-10" x 54'-4")

Note
All steels must be
"Primer Sprayed Painted".

PROJECT: Suspended Components Test Frame	CONTENT: Roof Plan	DWG. NO FR-03
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



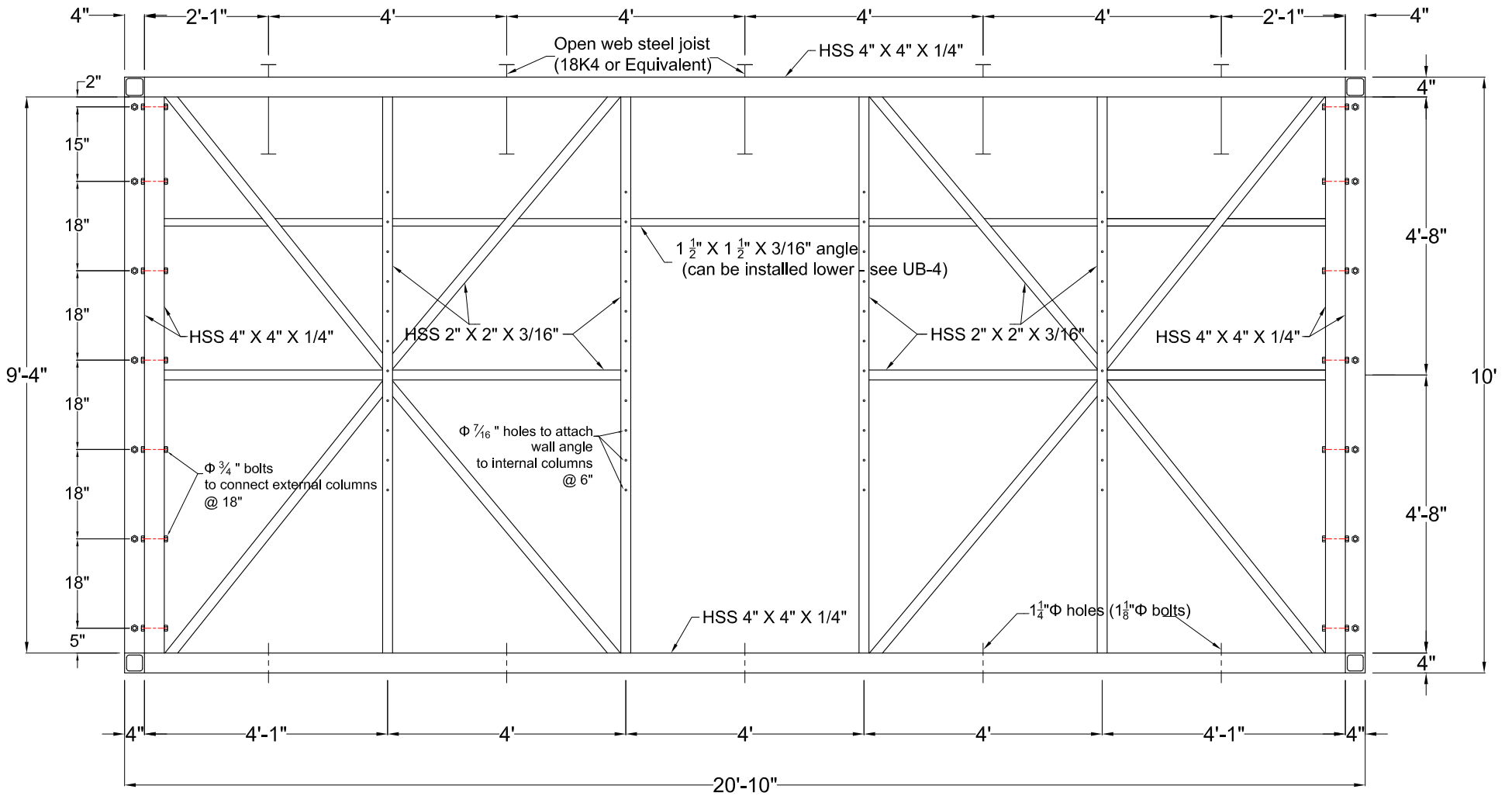


Note

All steels must be
"Primer Spray Painted".

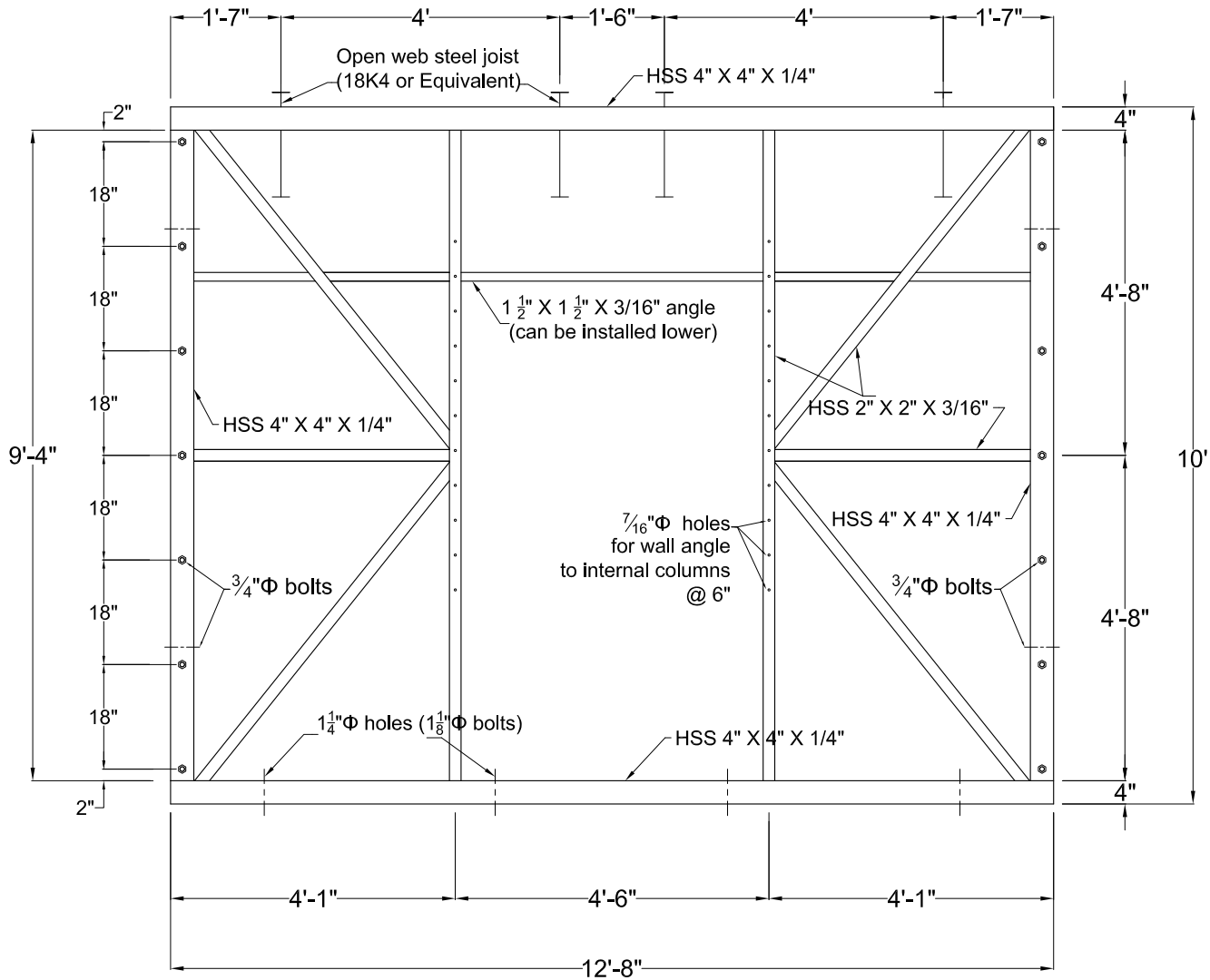
Elevation (North & South)

PROJECT: Suspended Components Test Frame	CONTENT: Elevation (N&S)	DWG. NO: FR-04
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



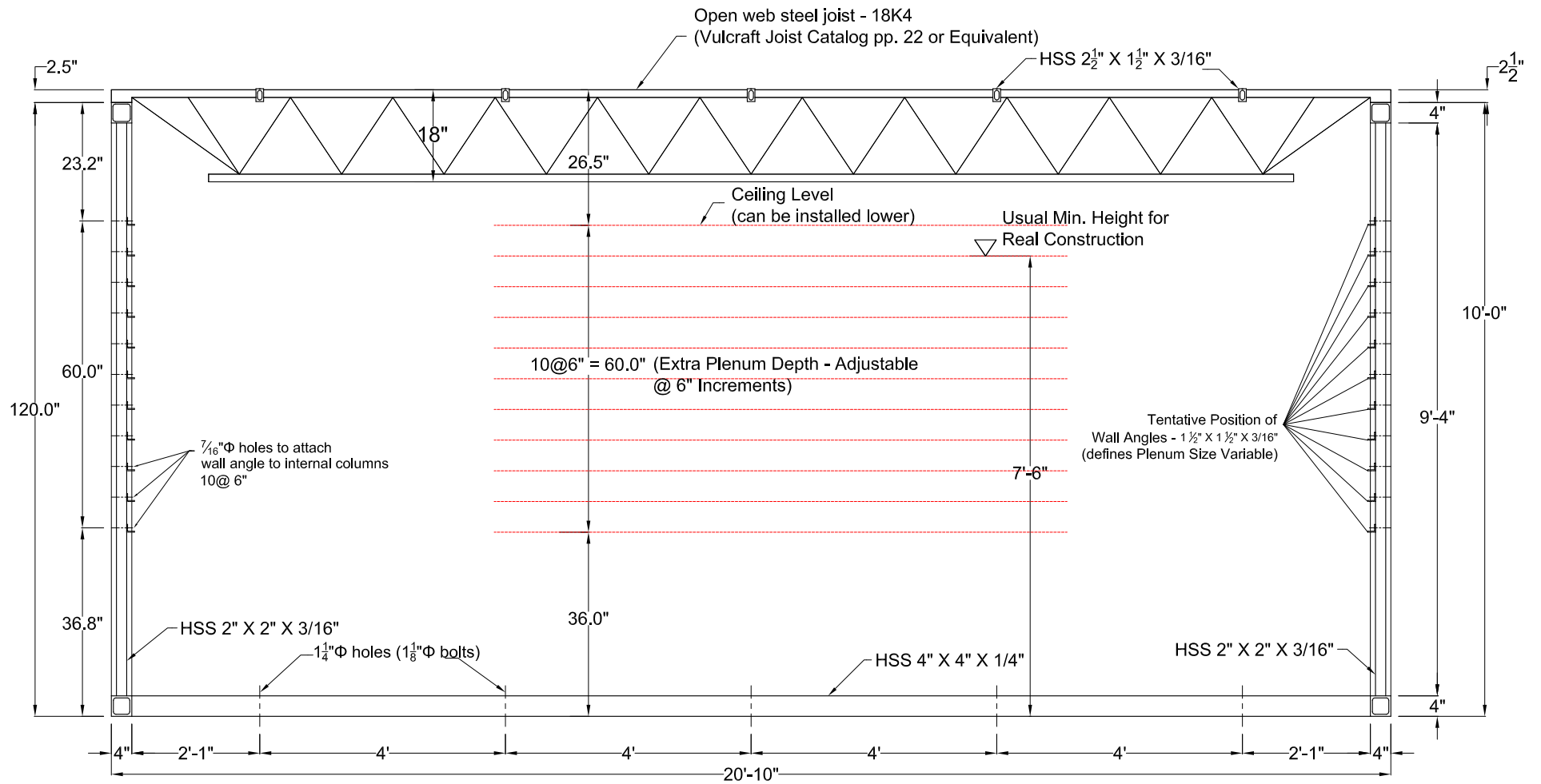
Elevation (East & West) "Typical Side Wall" (x 6 req'd)

PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO: FR-05
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



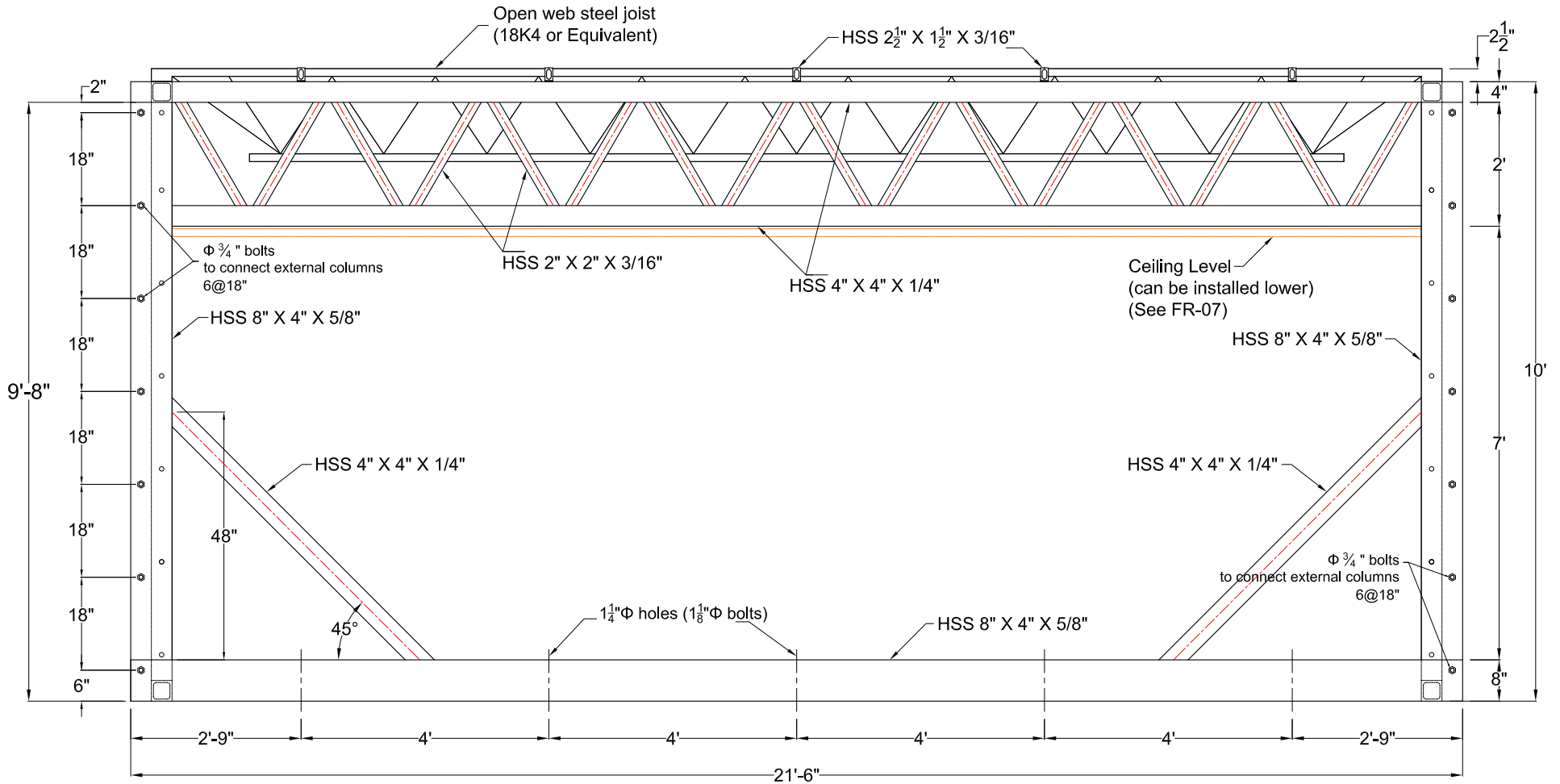
Elevation (N & S) "Link Side Wall" (x 2 req'd)

PROJECT: Suspended Components Test Frame	CONTENT: Link Side Wall	DWG. NO: FR-06
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



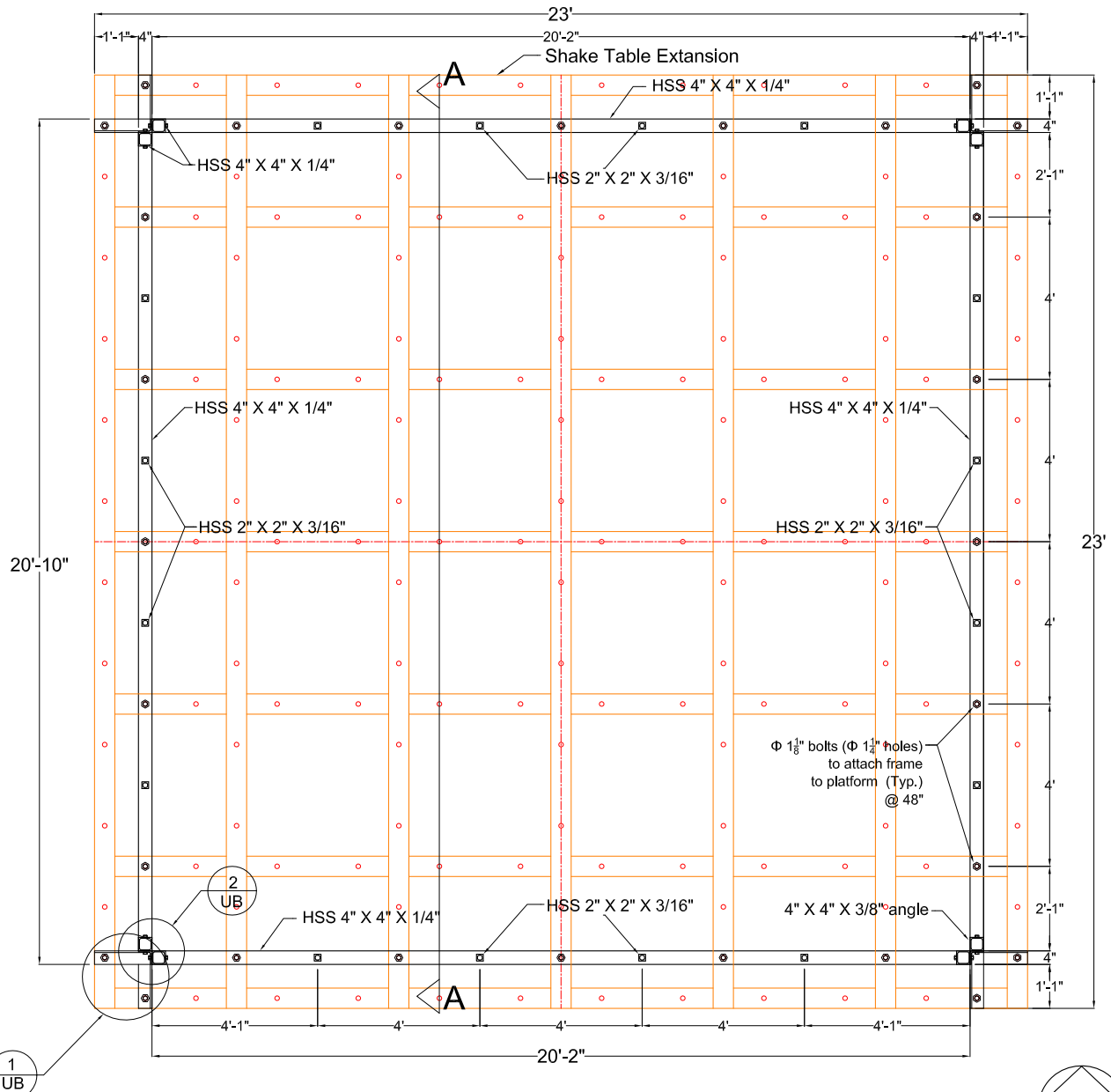
Section A - A

PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO FR-07
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



Section B - B "Open Side Wall" (x 2 req'd)

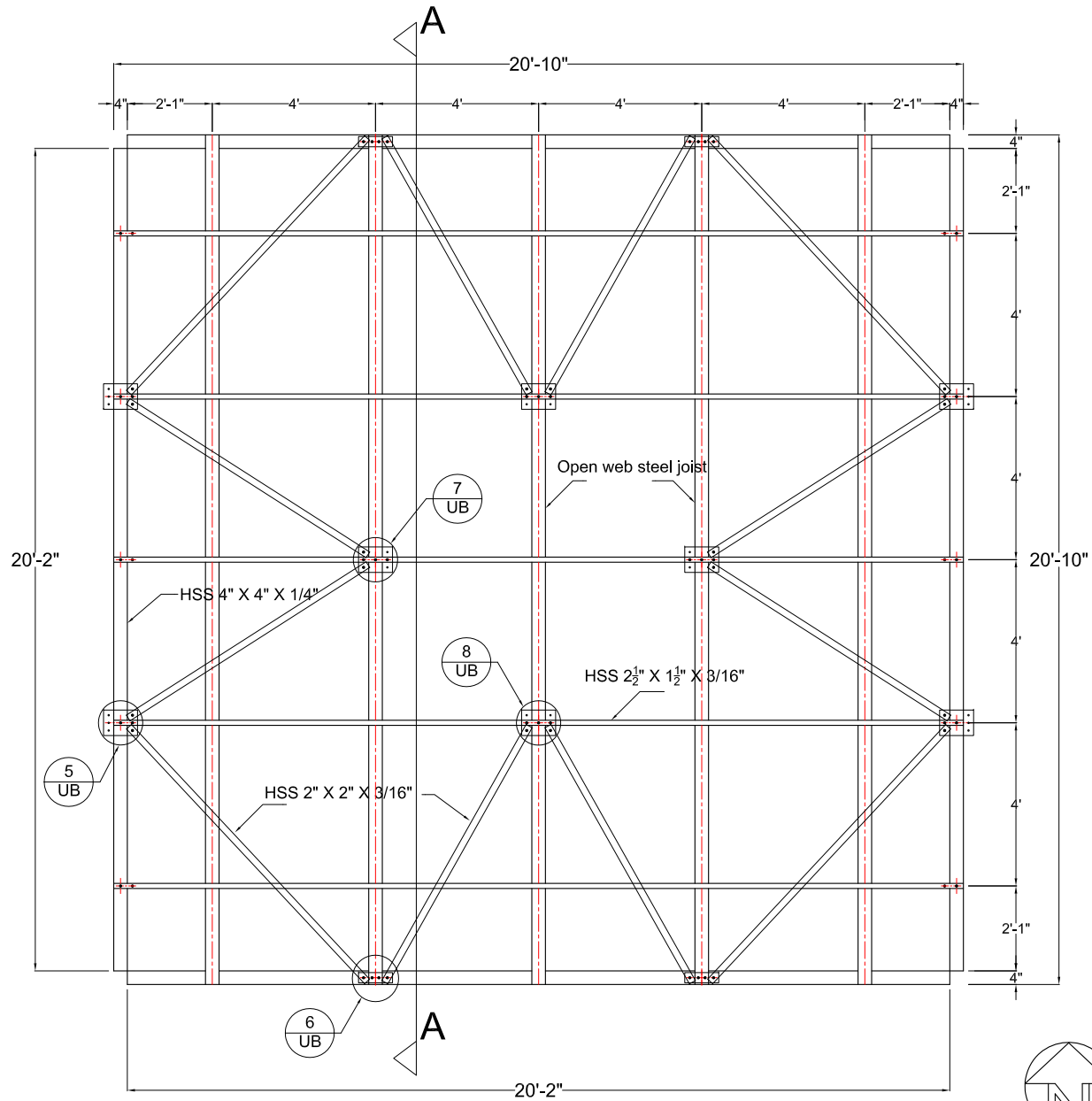
PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:
		FR-08



Floor Plan (20'-10" x 20'-10")



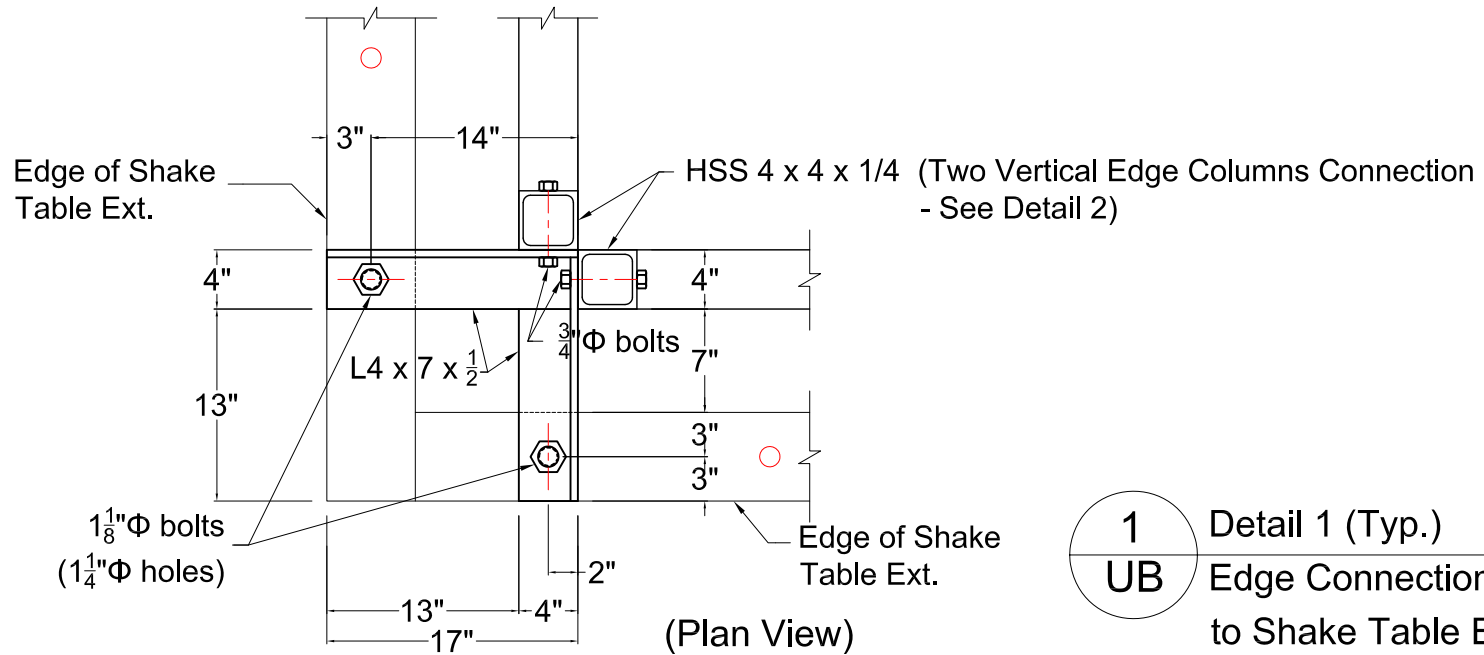
PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO: FR-09
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



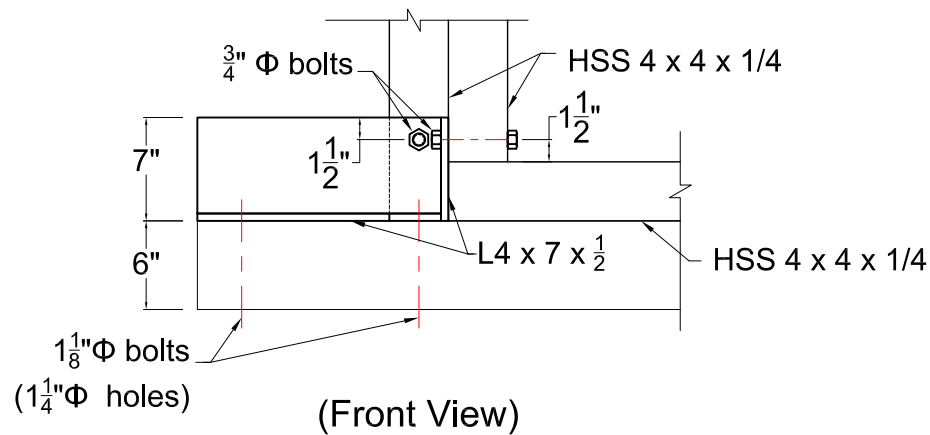
Roof Plan (20'-10" x 20'-10")



PROJECT: Suspended Components Test Frame	CONTENT: Floor Plan	DWG. NO: FR-10
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

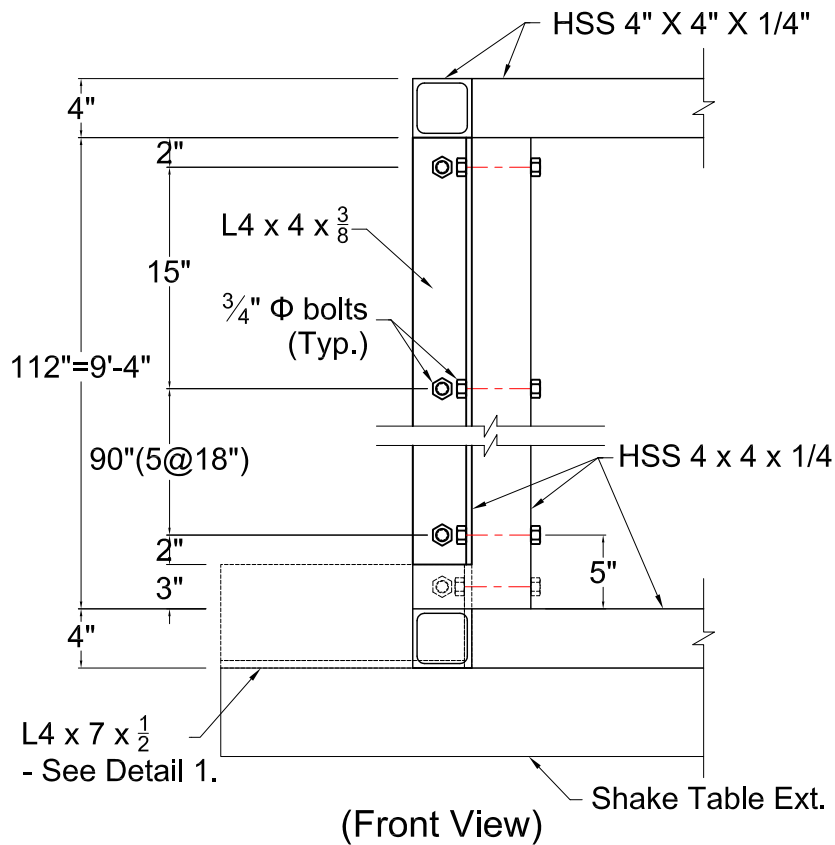
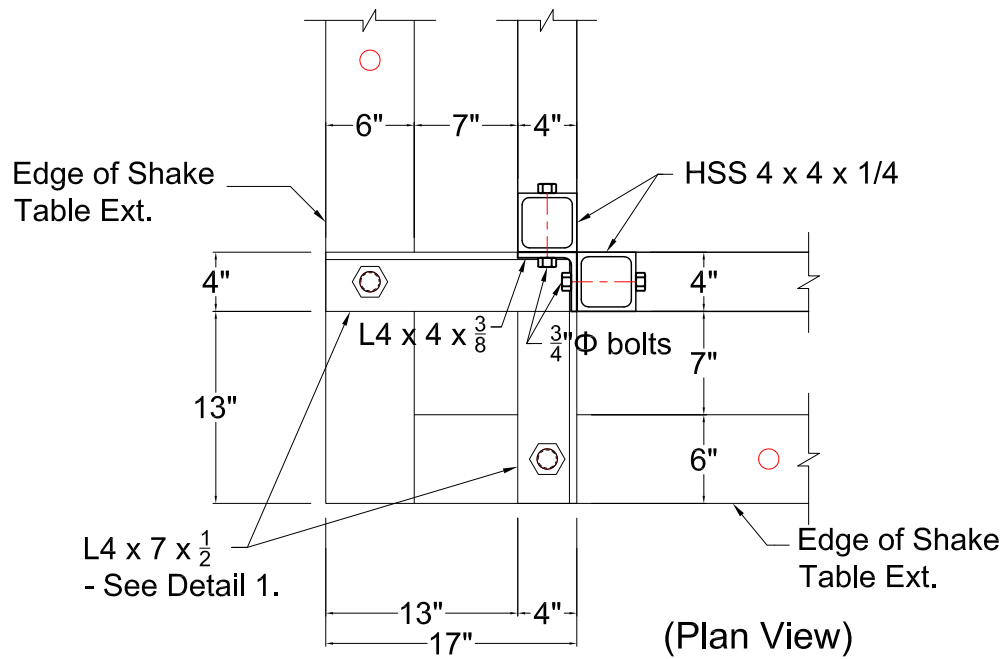


1 Detail 1 (Typ.)
UB Edge Connection Angle to Shake Table Ext. (4 locations)



PROJECT: Suspended Components Test Frame	CONTENT: Detail 1	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

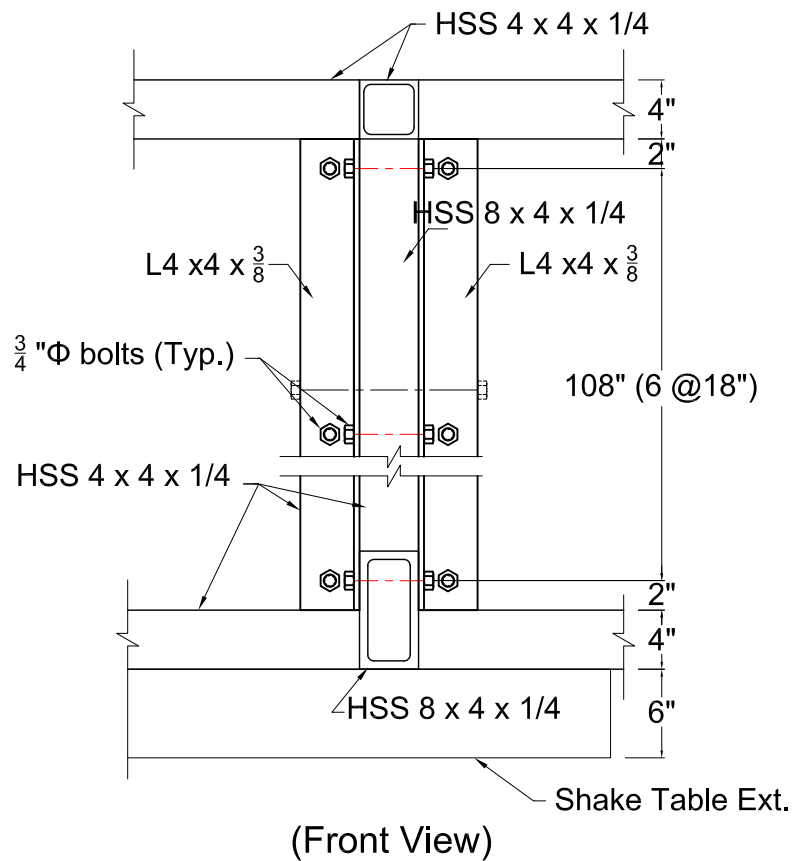
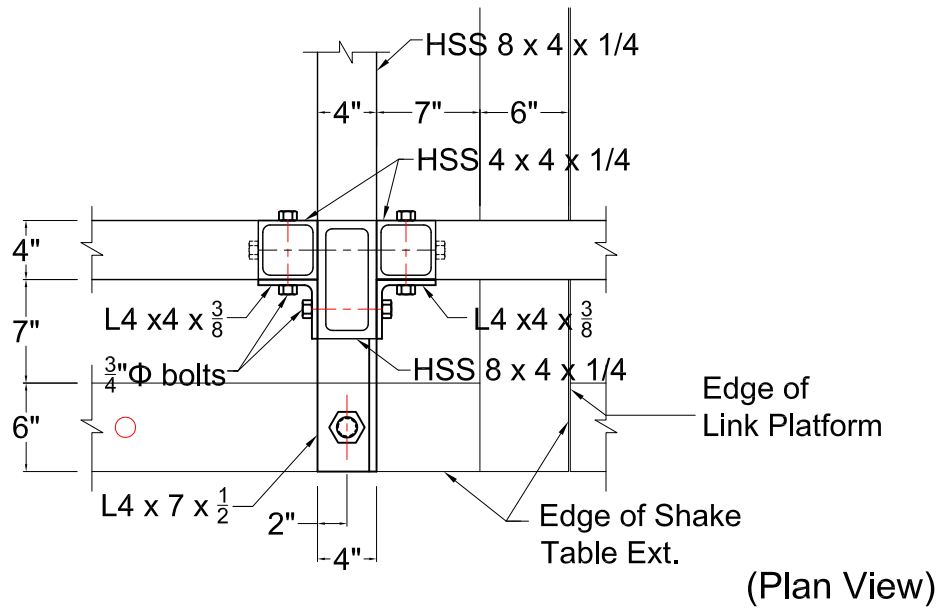
UB-01



2 Detail 2 (Typ.)
UB Connection of End Edge Columns
 (4 locations)

PROJECT: Suspended Components Test Frame	CONTENT: Detail 2	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

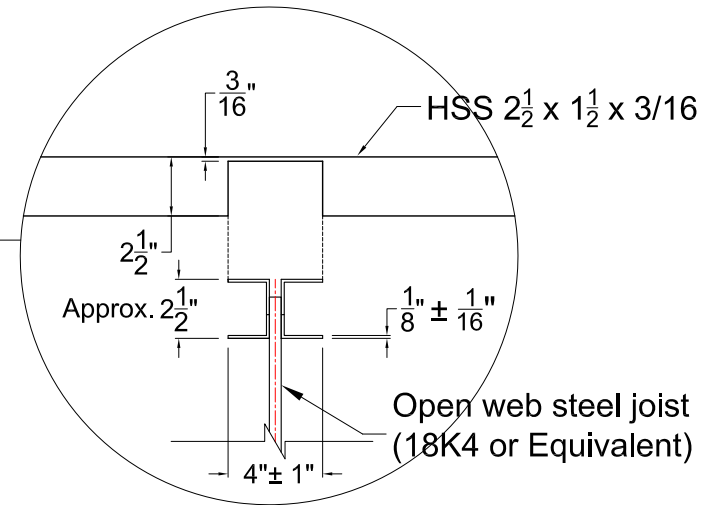
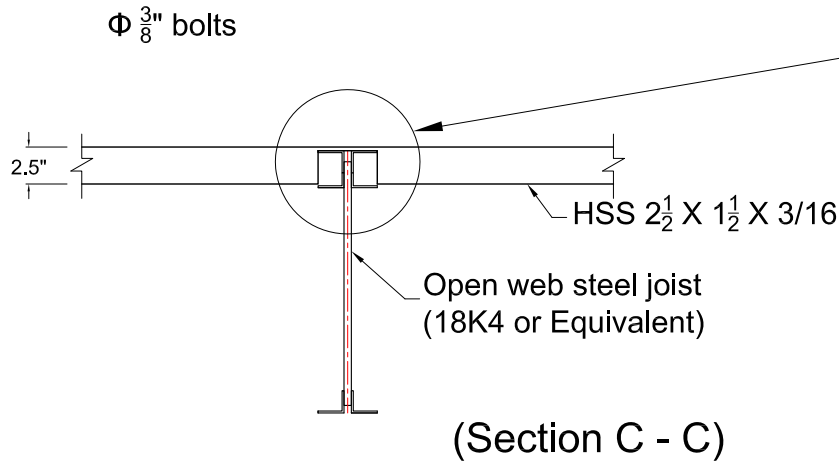
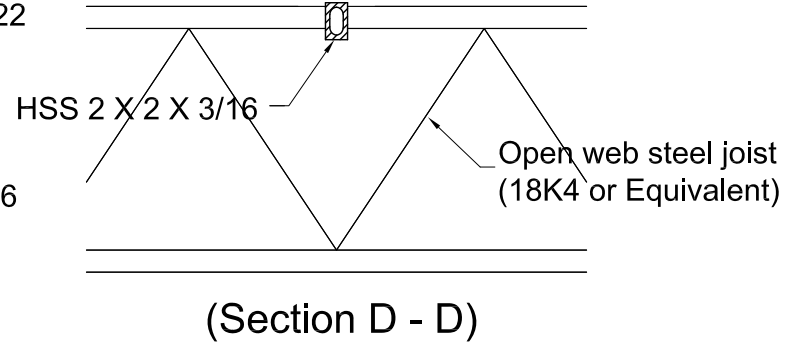
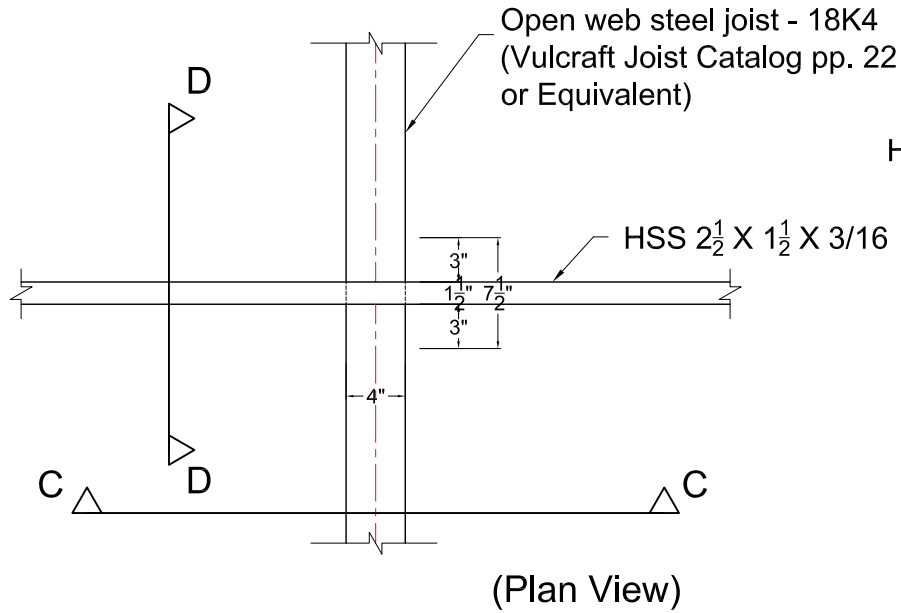
UB-02



3 Detail 3 (Typ.)
UB Connection of Middle Edge Columns
 (4 locations)

PROJECT: Suspended Components Test Frame	CONTENT: Detail 3	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

UB-03



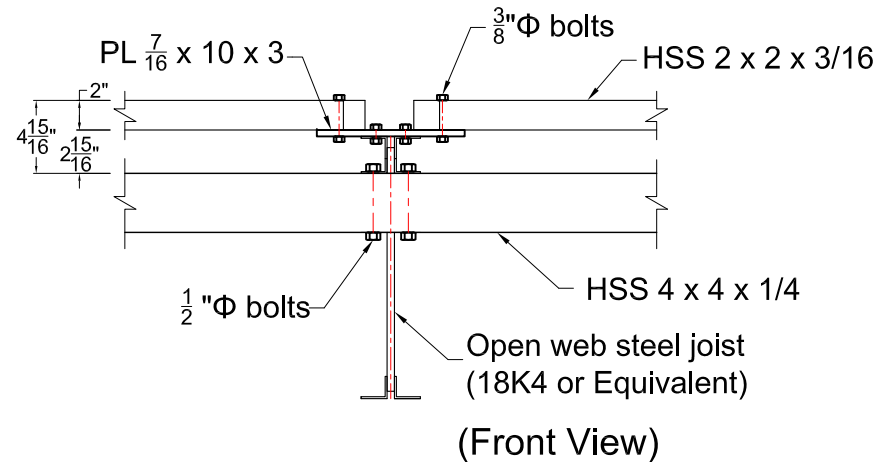
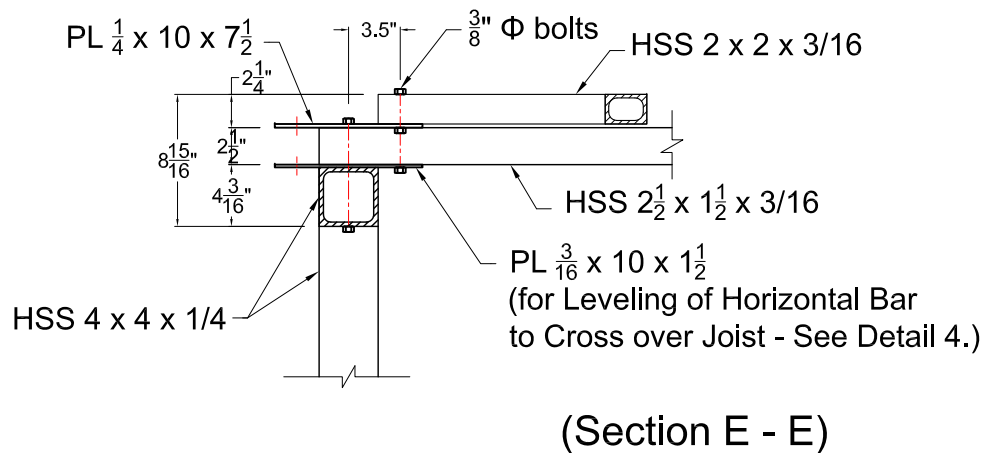
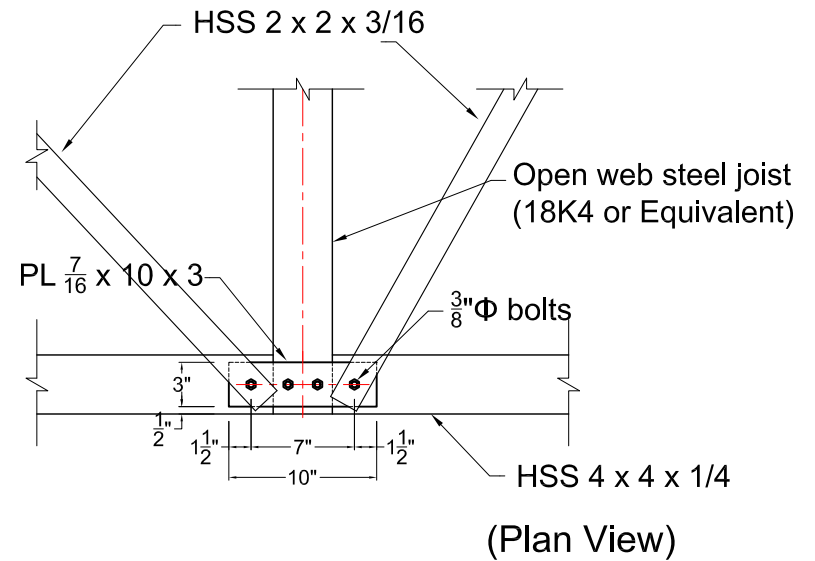
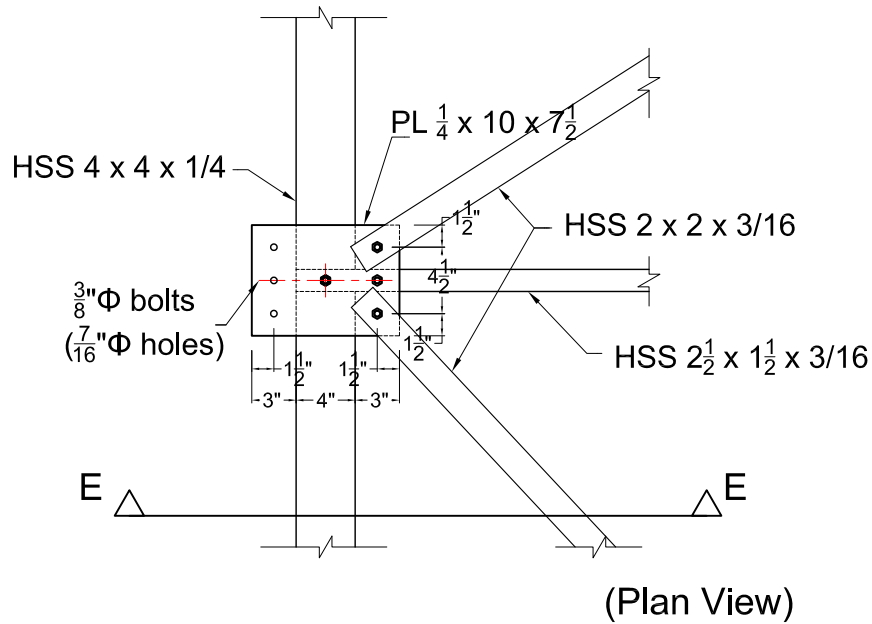
Note

1. Actual Joist Size (Joist Chord Width, Depth, and Thickness) should be taken by Field Measurements.

2. Horizontal Bar of HSS 2 1/2 x 1 1/2 x 3/16 will be cut to cross over Open Web Steel Joist (18K4 or Equivalent). The Cutting Length shall be decided by the measurements.

4 Detail 4 (Typ.)
UB Connection of Horizontal Bar to
Open Web Steel Joist

PROJECT: Suspended Components Test Frame	CONTENT: Detail 4	DWG. NO UB-04
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

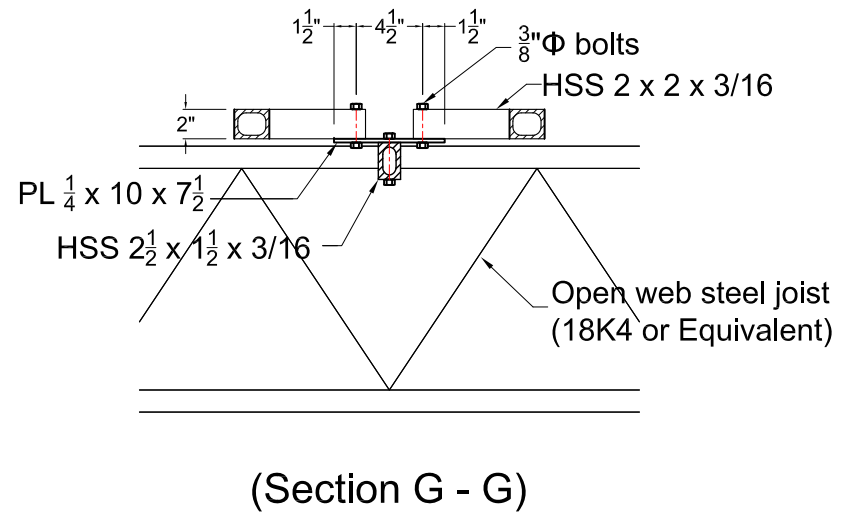
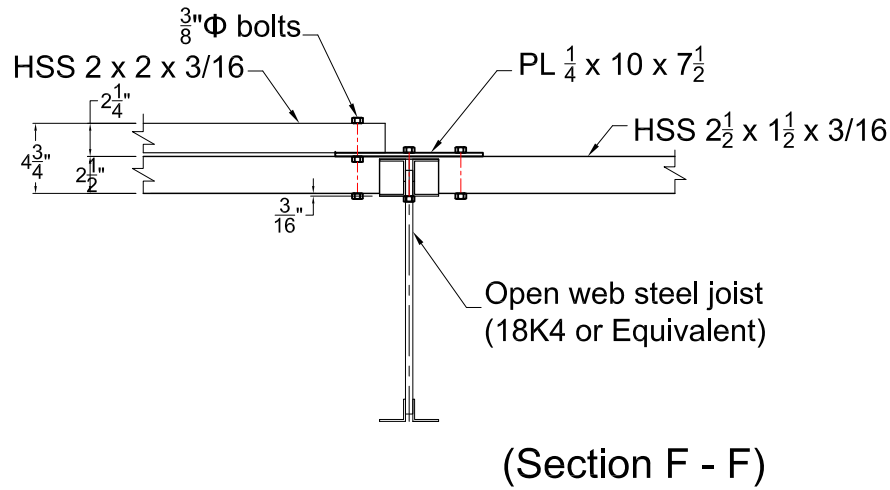
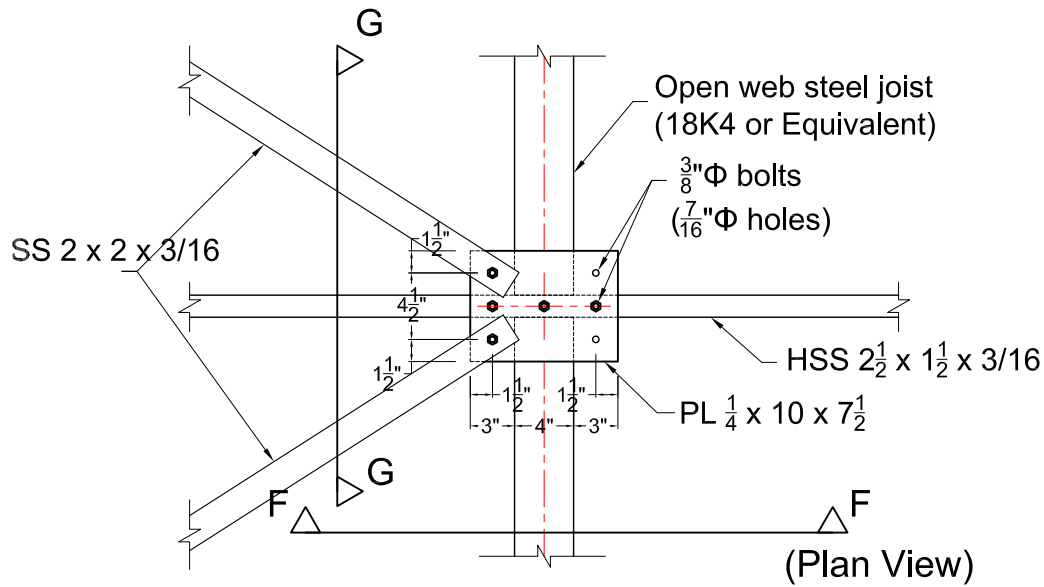


5 Detail 5 (Typ.)
UB Connection of Diagonal Brace to
 Perimeter Beam (East & West)
 (4 locations)

6 Detail 6 (Typ.)
UB Connection of Diagonal Brace to
 Perimeter Beam (N & S) (8 locations)

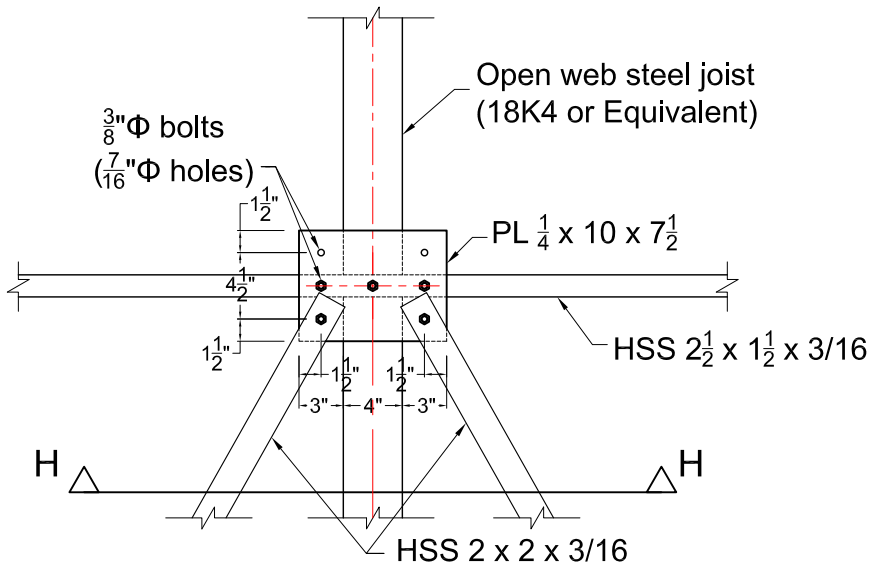
PROJECT: Suspended Components Test Frame	CONTENT: Detail 5, 6	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

UB-05

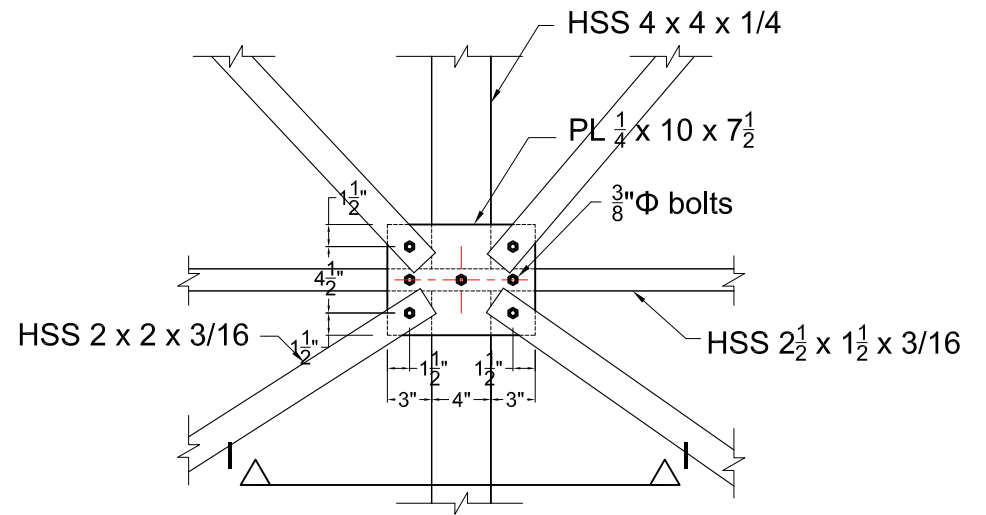


7 Detail 7 (Typ.)
UB Connection of Diagonal Brace to Horizontal Bar
 (6 locations)

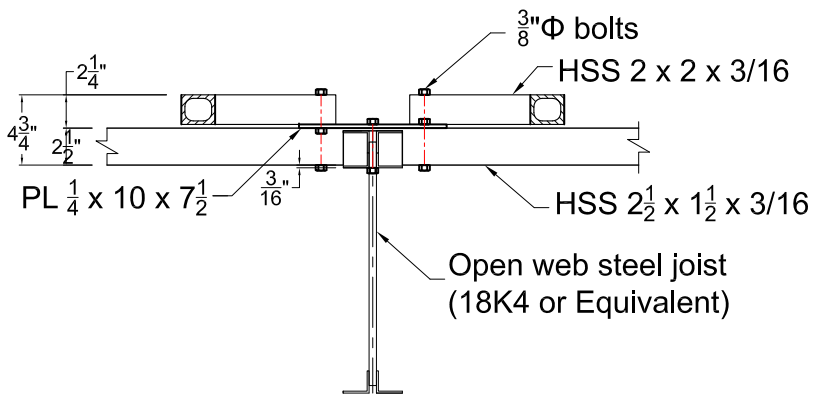
PROJECT: Suspended Components Test Frame	CONTENT: Detail 7	DWG. NO UB-06
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:



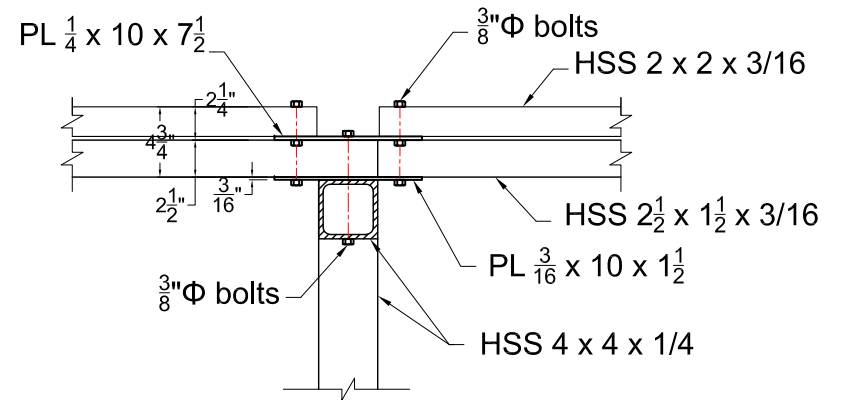
(Plan View)



(Plan View)



(Section H - H)



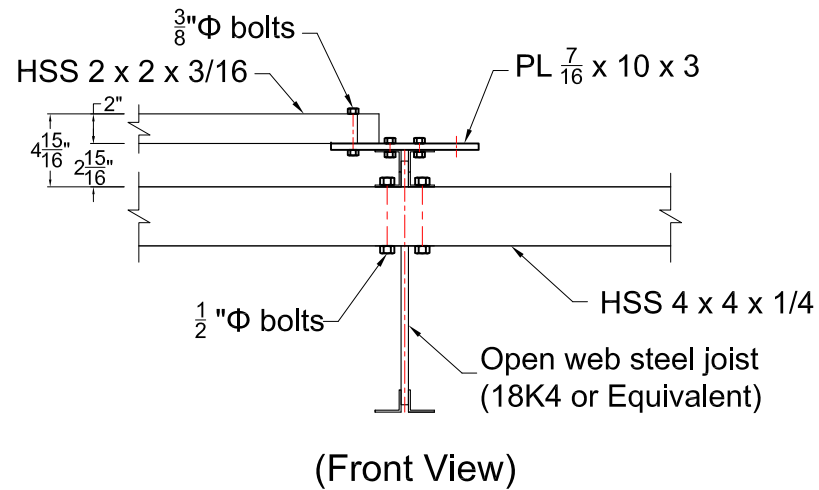
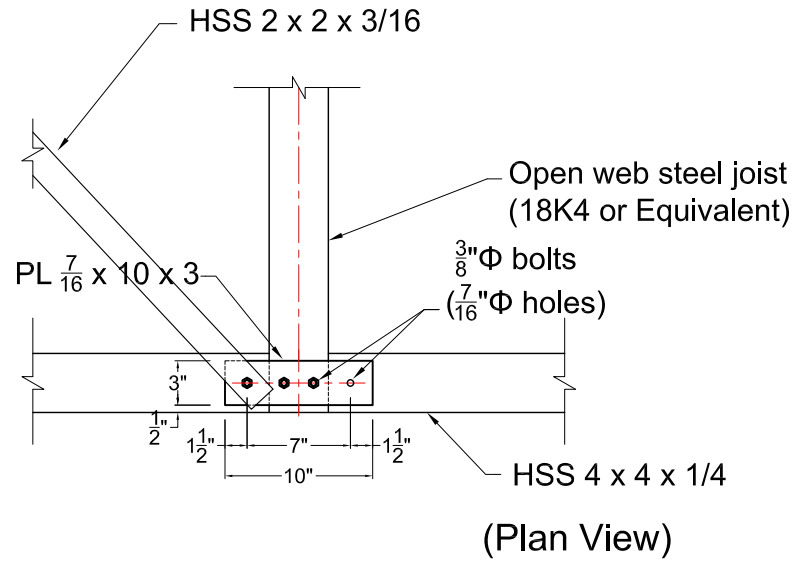
(Section I - I)

8 Detail 8 (Typ.)
UB Connection of Diagonal Brace to
 Horizontal Bar
 (4 locations)

9 Detail 9 (Typ.)
UB Connection of Diagonal Brace to
 Horizontal Bar (4 locations)

PROJECT: Suspended Components Test Frame	CONTENT: Detail 8, 9	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

UB-07



Note

1. Actual Joist Size (Joist Chord Width, Depth, and Thickness) should be taken by Field Measurements.
2. The size and location of joist connection bolts ($\frac{1}{2}$ " Φ bolts) to perimeter beams shall be checked with joist manufacturers.

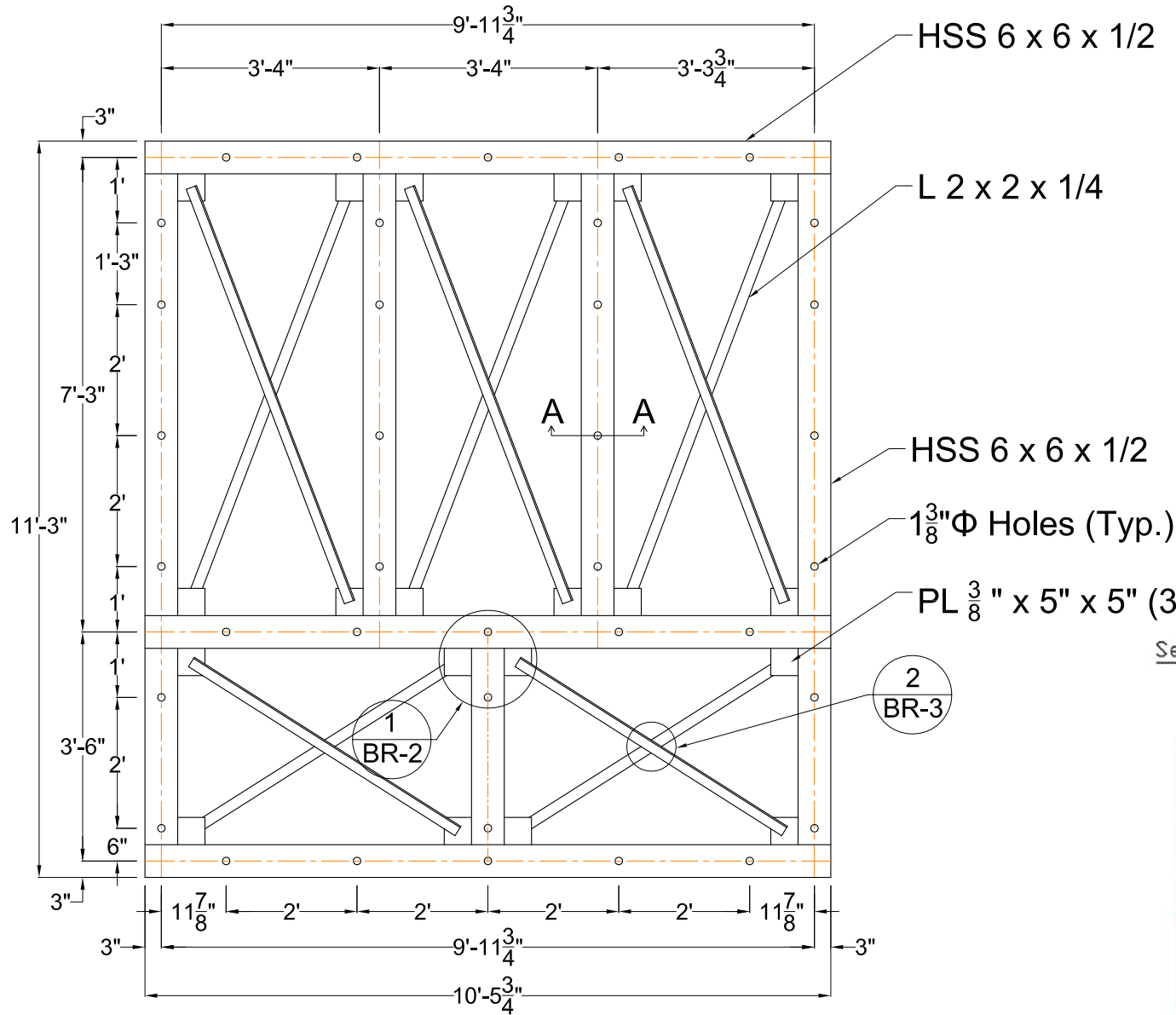
10 Detail 3 (Typ.)
 UB Connection of Diagonal Brace to Perimeter Beam (Link Roof Grid) (4 locations)

PROJECT: Suspended Components Test Frame	CONTENT: Detail 10	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE:

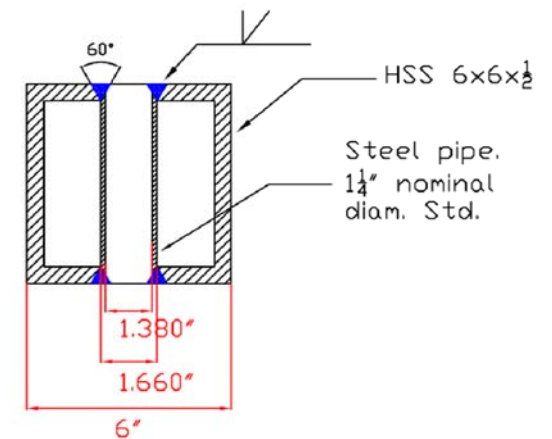
UB-08

Note

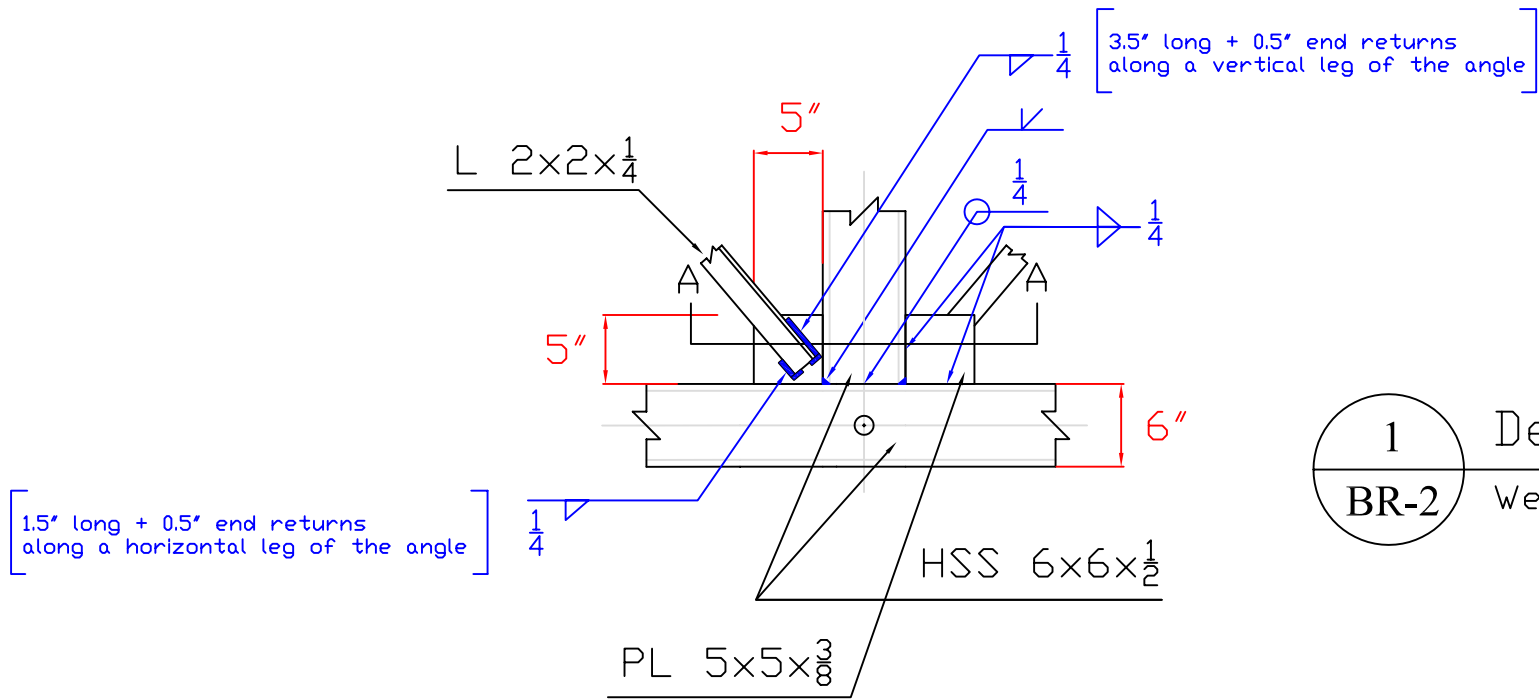
All Steels are ASTM A572
Grade 50 unless specified



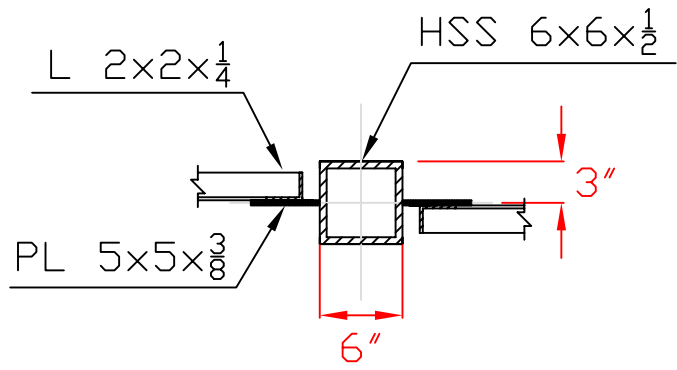
Section A-A (Typ.)



PROJECT: Suspended Components Test Frame	CONTENT: Link Platform	DWG. NO
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		BR-1
		SCALE:



1 Detail 1 (Typ.)
 BR-2 Welding Detail

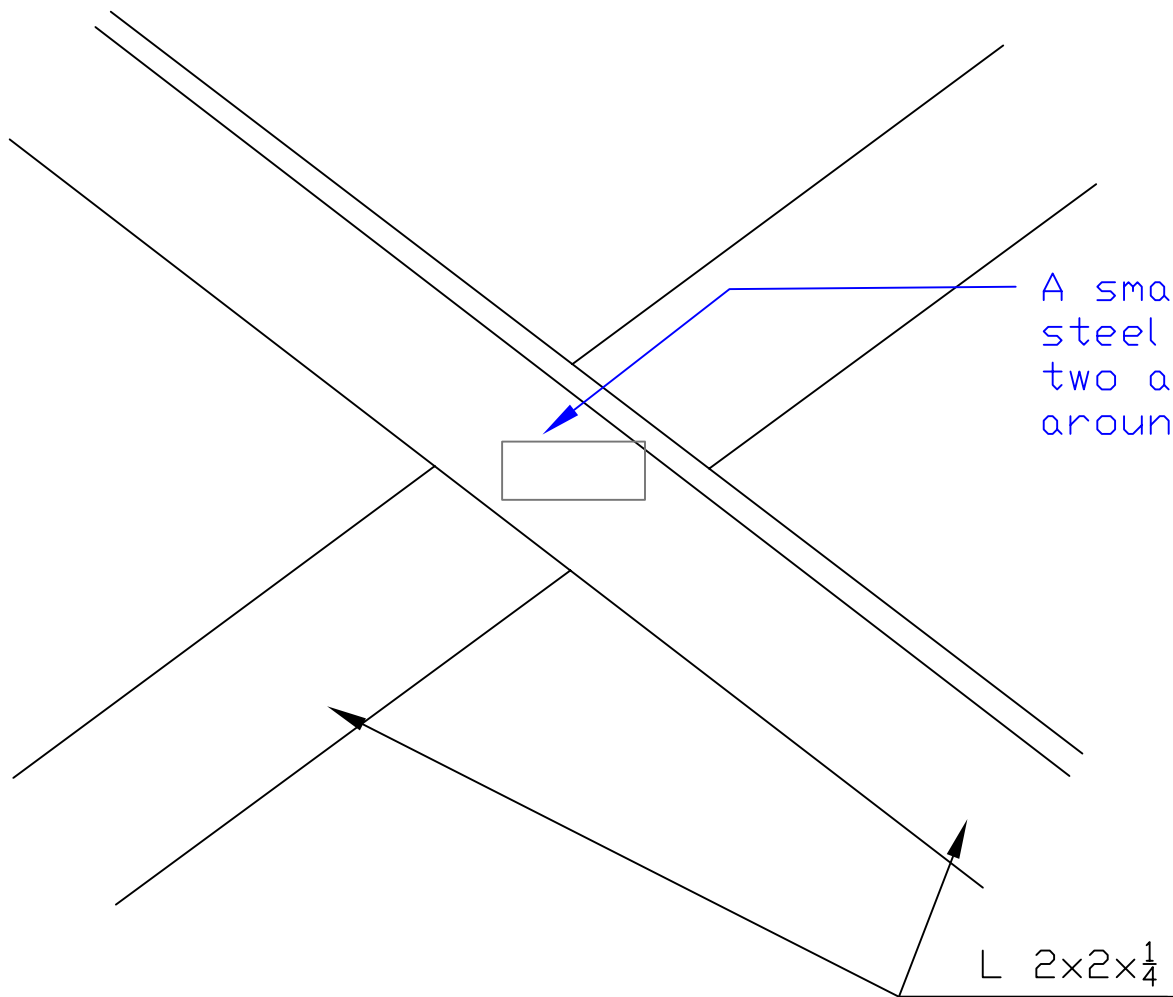


Section A-A

NOTE

All steels are ASTM A572 Grade 50 unless specified.

University at Buffalo			DWG. NO. BR-2
PROJECT: NEES Wood	CONTENT: Welding Details		
BY: A. Wanitkorkul	DATE: 10/26/05	REV. NO. 1	SCALE:



A small piece of 3/8" thick steel plate shims between two angles and welds all around to both angles.

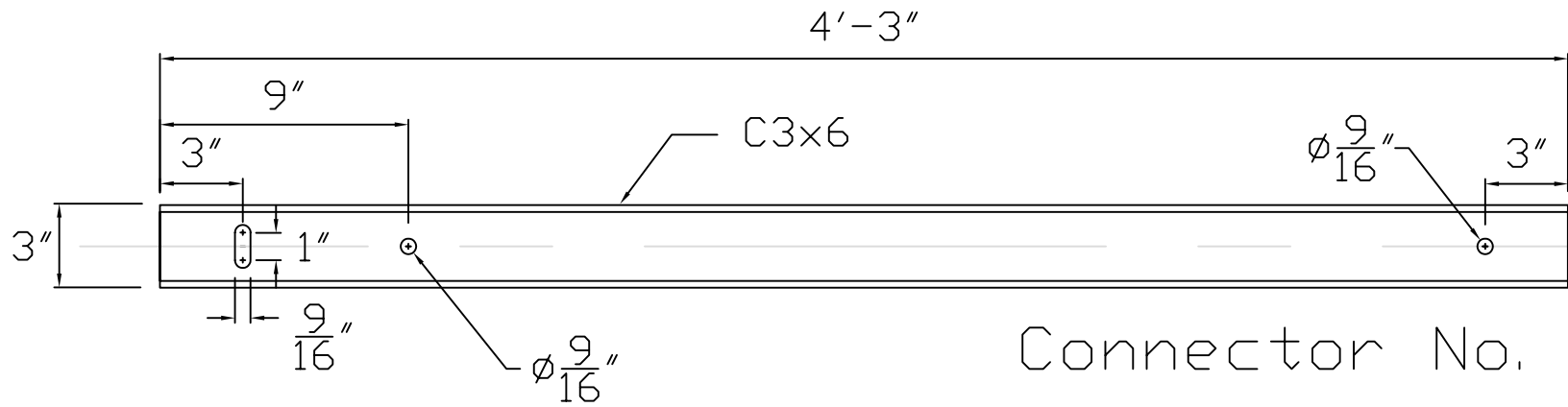
2 Detail 2 (Typ.)
 BR-3 Shim between angles

L 2x2x $\frac{1}{4}$

NOTE

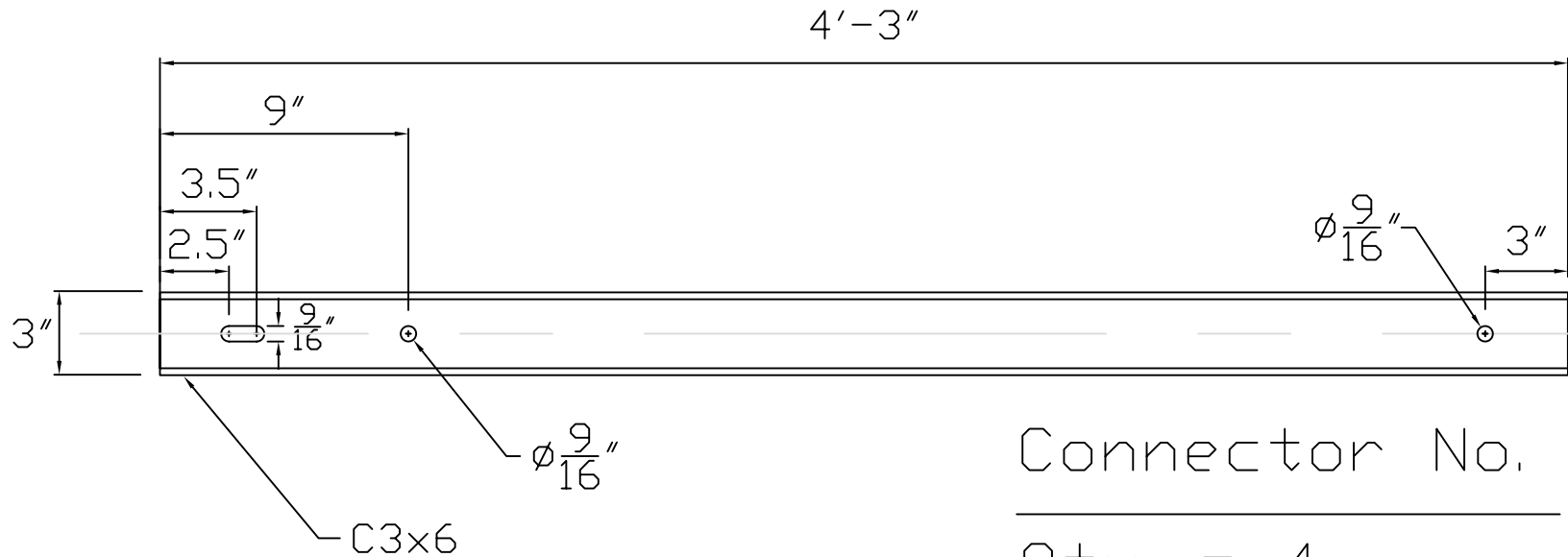
All steels are ASTM A572 Grade 50 unless specified.

University at Buffalo			DWG. NO.
			BR-3
PROJECT: NEES Wood	CONTENT: Welding Details		
BY: A. Wanitkorkul	DATE: 10/26/05	REV. NO. 1	SCALE:



Connector No. 1

Qty. = 4



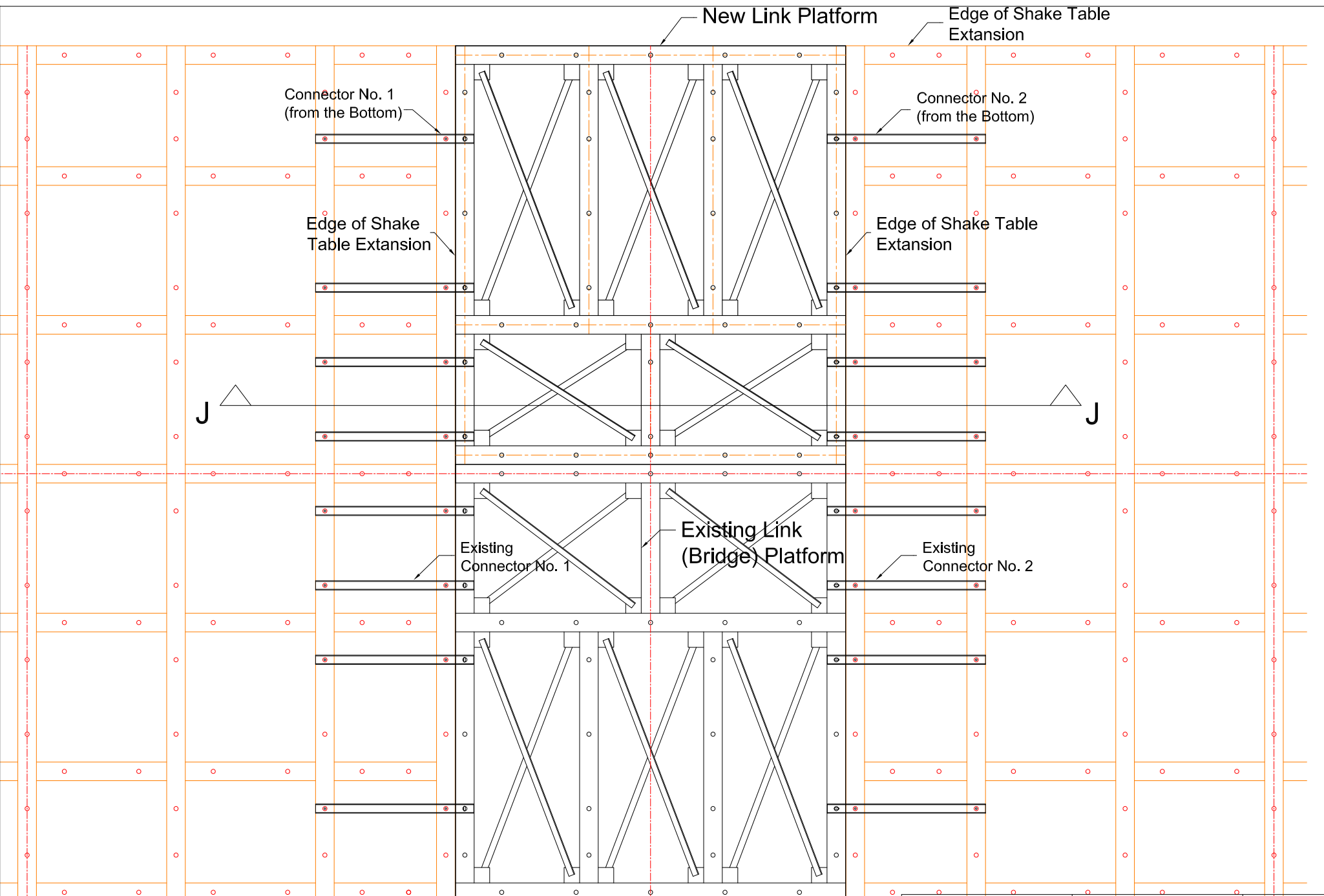
Connector No. 2

Qty. = 4

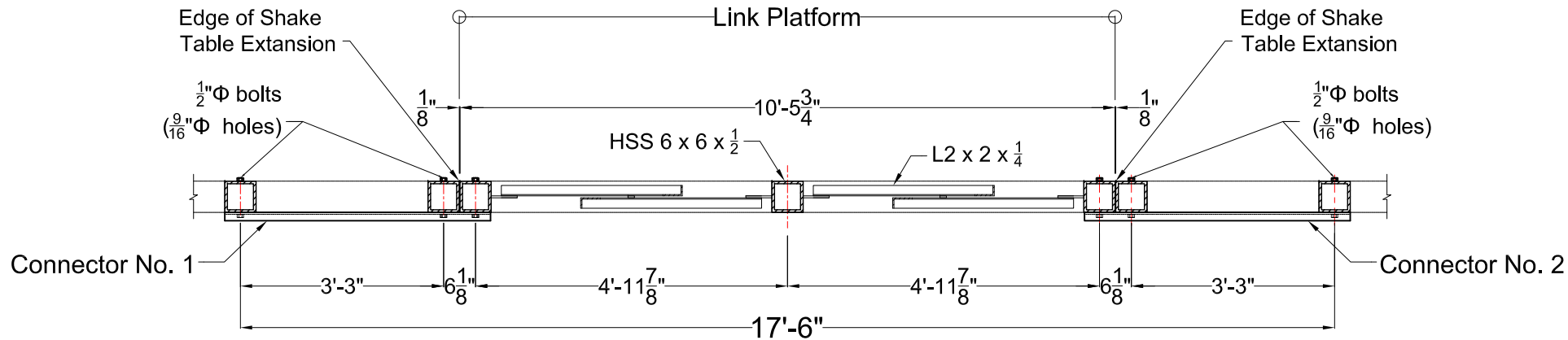
NOTE

All steels are ASTM A572 Grade 50 unless specified.

University at Buffalo			DWG. NO. BR-4
PROJECT: NEES Wood	CONTENT: Bridge-Shake Table Connectors		SCALE:
BY: A. Wanitkorkul	DATE: 10/26/05	REV. NO. 1	



PROJECT:	Suspended Components Test Frame	CONTENT:	Link Platform	DWG. NO.	BR-5
BY:		DATE:	09/16/2010	REV. NO.	
University at Buffalo				SCALE:	



Section J-J

PROJECT: Suspended Components Test Frame	CONTENT: Section J-J	DWG. NO BR-6
BY:	DATE: 09/16/2010	REV. NO.
University at Buffalo		SCALE: