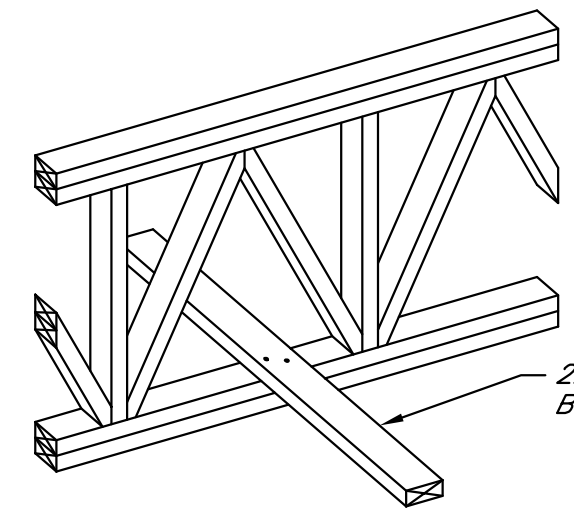
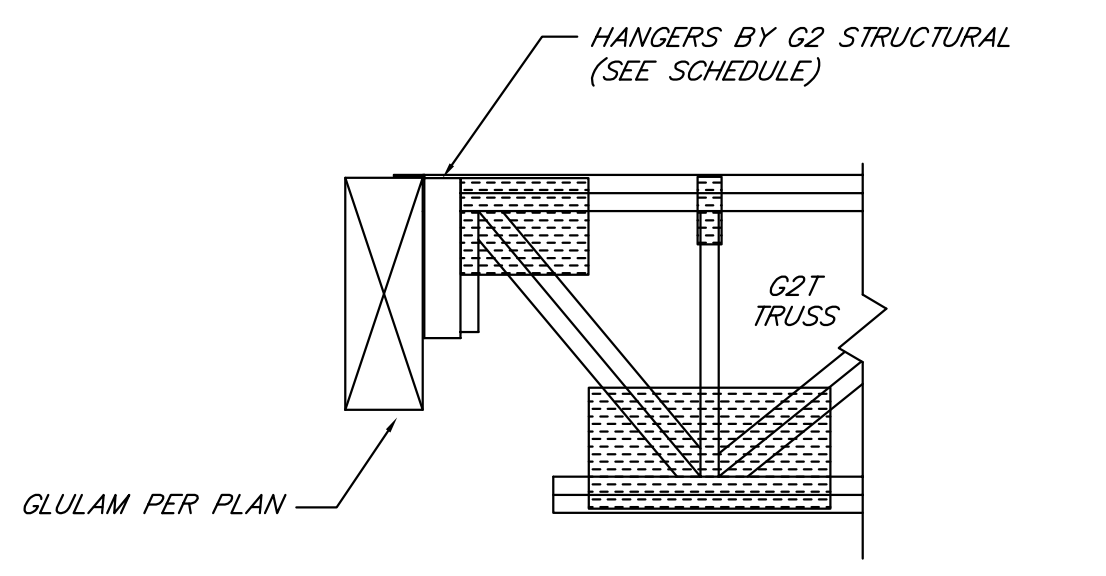


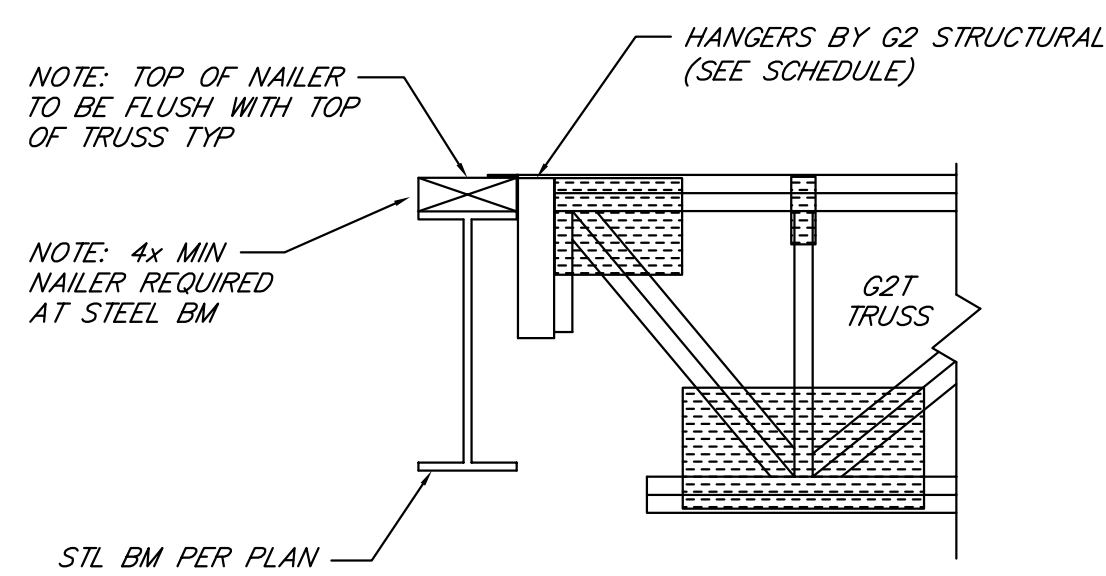
**BOTTOM CHORD BRACING**



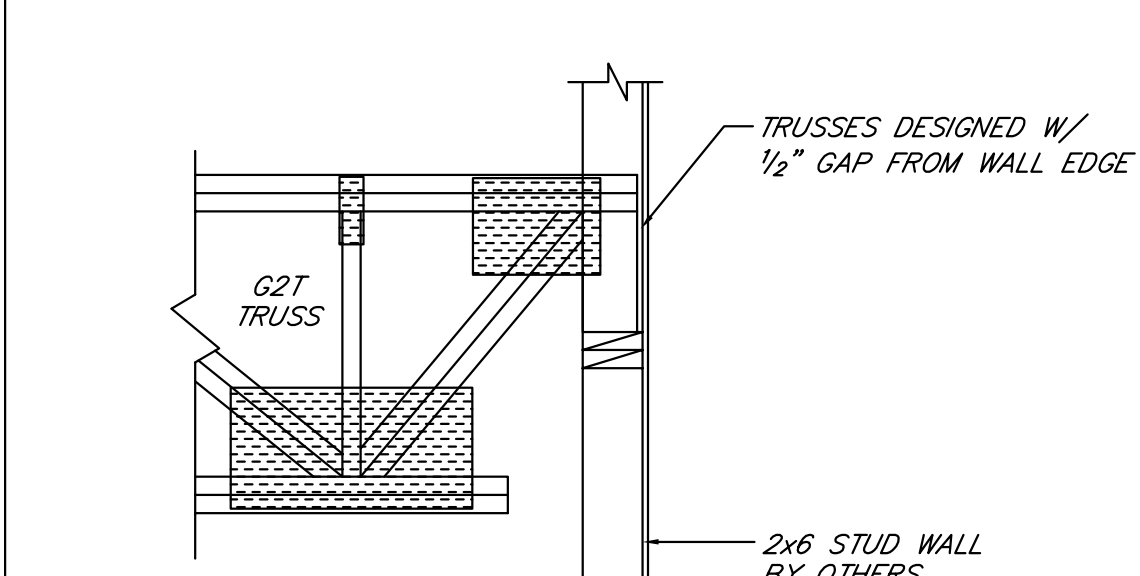
2x4 #3 OR BETTER CONTINUOUS LATERAL BRACING. MAX ROW SPACING = 14'-0". ATTACH TO EACH TRUSS USING (2) 16d NAILS.  
2x4 BRACING BY OTHERS



3 G2T IN HANGER TO GLULAM BEAM  
- REFER TO PROJECT PLAN DETAILS FOR MORE INFO NOT TO SCALE

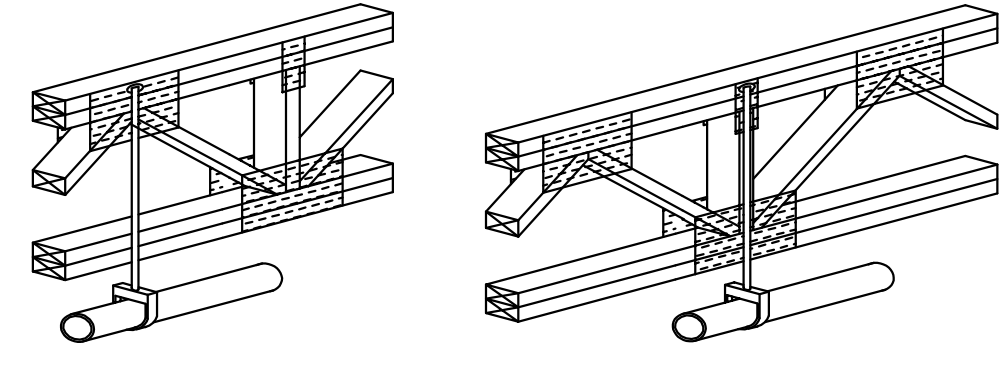


2 G2T IN HANGER TO STEEL BEAM  
- REFER TO PROJECT PLAN DETAILS FOR MORE INFO NOT TO SCALE



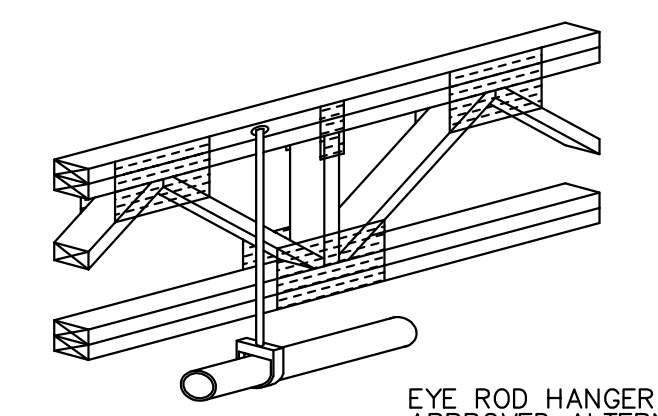
1 G2T W/ BRG BLOCK TO WOOD STUD WALL  
- REFER TO PROJECT PLAN DETAILS FOR MORE INFO NOT TO SCALE

**2-1/2" THROUGH 4" DIA. SPRINKLER LINE**



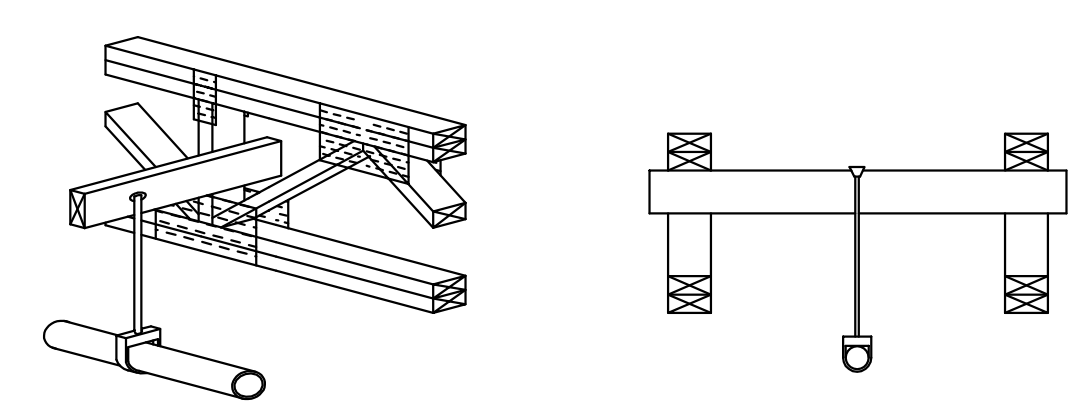
EYE ROD HANGER OR NFPA APPROVED ALTERNATE WITH (1) FASTENER. LOCATE ONLY AT TOP CHORD PANEL POINTS THROUGH METAL GUSSET PLATE. NORMALLY FOR PIPE SIZES 2-1/2" THROUGH 4" MAXIMUM. FOR UP TO A 4" PIPE SIZE USE UP TO (1) 1/2" THROUGH BOLT INSTALLED THROUGH THE GUSSET PLATE AT A TRUSS TOP CHORD PANEL POINT. G2 STRUCTURAL RECOMMENDS 4" PIPE SIZE MAINS BE SUPPORTED WITH THIS DETAIL AND SIZES GREATER THAN 4" USE 4X BLOCKING OR TRAPEZE BETWEEN 2 TRUSSES.

**2" DIA. & SMALLER SPRINKLER LINE**



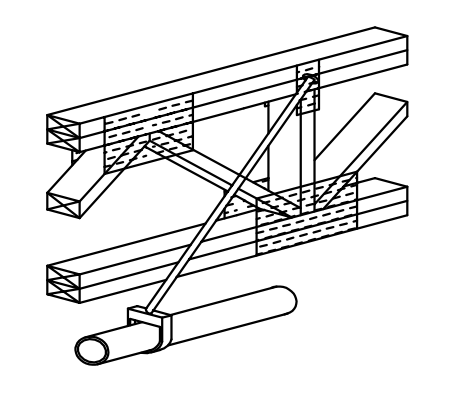
EYE ROD HANGER OR NFPA APPROVED ALTERNATE WITH (1) LAG SCREW. LOCATE ANYWHERE ALONG LENGTH OF TOP CHORD. NORMALLY FOR BRANCH LINES. MAXIMUM 2" PIPE SIZE - USE UP TO (1) 3/8" x 2-1/2" LAG SCREW.

**TRAPEZED SPRINKLER LINE**



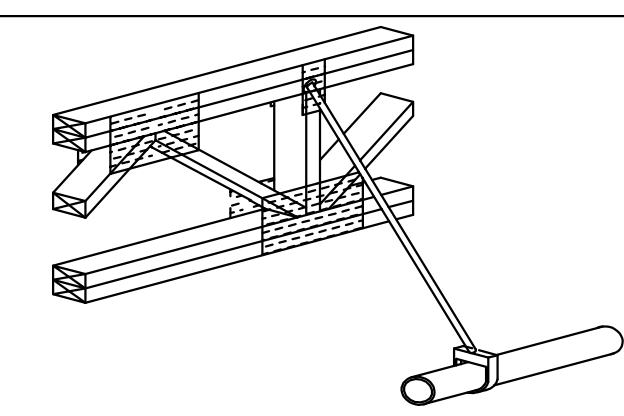
TRAPEZE CAN BE WOOD MEMBER, STEEL, PIPE OR ANGLE, AND MUST BE IN ACCORDANCE WITH NFPA. MAXIMUM LAG SCREW SIZE IS 1/2" X 3". MAXIMUM 6" PIPE SIZE PERMITTED BY NFPA. LOCATE TRAPEZE AT WEB VERTICLE OR AT TOP CHORD PANEL POINTS TIGHT AGAINST WEBS OR METAL GUSSET PLATES.

**LONGITUDINAL SWAY BRACE**



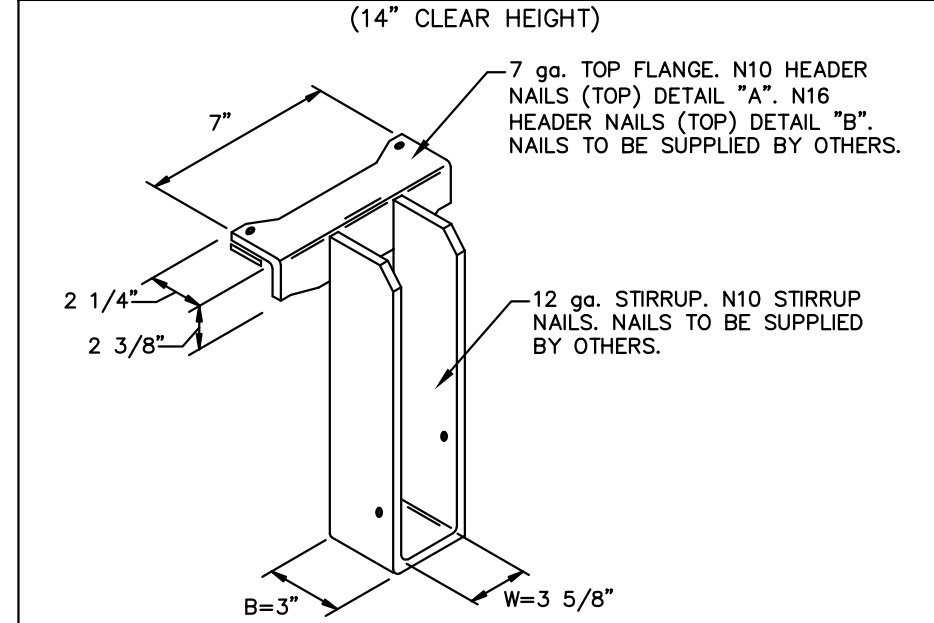
ATTACH SWAY BRACE TO TRUSS w/ UP TO 3/4" THRU OR LAG BOLT INTO TOP CHORD AT PANEL POINT THRU METAL GUSSET PLATE. 3/4" THRU OR LAG BOLT EITHER THRU METAL GUSSET PLATE OR NOT MORE THAN 2" FROM EDGE OF PLATE. LOCATED IN CENTER OF TOP CHORD OF SINGLE OR MULTIPLE PLY TRUSS. THRU BLOT OR LAG BOLT MUST BE PRE-DRILLED WITH TIGHT TOLERANCE. MAXIMUM BRACE FORCE = 450#

**LATERAL SWAY BRACE**



ATTACH SWAY BRACE TO TRUSS w/ UP TO 3/4" THRU OR LAG BOLT INTO TOP CHORD AT PANEL POINT THRU METAL GUSSET PLATE. 3/4" THRU OR LAG BOLT EITHER THRU METAL GUSSET PLATE OR NOT MORE THAN 2" FROM EDGE OF PLATE. LOCATED IN CENTER OF TOP CHORD OF SINGLE OR MULTIPLE PLY TRUSS. THRU BLOT OR LAG BOLT MUST BE PRE-DRILLED WITH TIGHT TOLERANCE. MAXIMUM BRACE FORCE = 450#

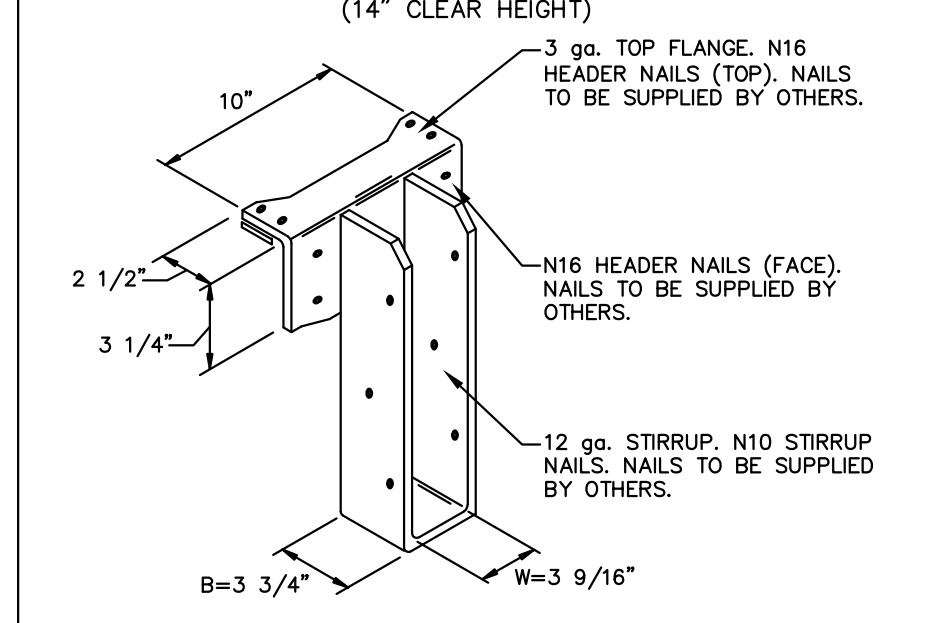
**RA413x, H=14" HANGER**



DETAIL	TYPE	HEADER NAILS		STIRRUP NAILS	*LOAD MAX.	DF=1.33% UPLIFT MAX.	DF=1.60% UPLIFT MAX.
		TOP	FACE				
2/3	RA413x	2	0	2	4,045	274	330

\*LOAD APPLIES TO 100, 115, & 125 DURATIONS.  
NAIL SCHEDULE  
KC # REF # DESCRIPTION  
N10 N10 (10d) 9 ga. x 1 1/2" Smooth Shank  
N16 N16 (16d) 9 ga. x 2 1/2" Smooth Shank  
NOTE: UPLIFT CAPACITIES HAVE BEEN TABULATED USING NAIL VALUES CALCULATED FROM THE NDS '05 STANDARD WITH A DF-L WOOD HEADER / BEAM AND A PONDEROSA PINE BEARING BLOCK IN THE TRUSSES. HANGER MANUF. BY KC METAL PRODUCTS, INC. ICC, ESR#2929

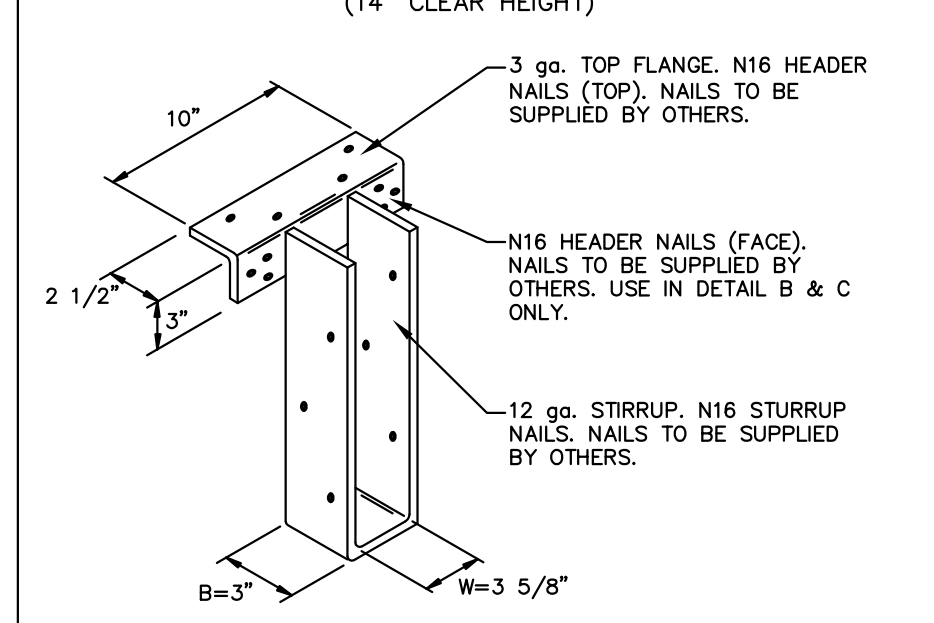
**RHU413x, H=14" HANGER**



DETAIL	TYPE	HEADER NAILS		STIRRUP NAILS	*LOAD MAX.	DF=1.33% UPLIFT MAX.	DF=1.60% UPLIFT MAX.
		TOP	FACE				
2/3	RHU413x	4	4	6	6,470	775	930

\*LOAD APPLIES TO 100, 115, & 125 DURATIONS.  
NAIL SCHEDULE  
KC # REF # DESCRIPTION  
N10 N10 (10d) 9 ga. x 1 1/2" Smooth Shank  
N16 N16 (16d) 9 ga. x 2 1/2" Smooth Shank  
NOTE: UPLIFT CAPACITIES HAVE BEEN TABULATED USING NAIL VALUES CALCULATED FROM THE NDS '05 STANDARD WITH A DF-L WOOD HEADER / BEAM AND A PONDEROSA PINE BEARING BLOCK IN THE TRUSSES. HANGER MANUF. BY KC METAL PRODUCTS, INC. ICC, ESR#2929

**BHV413x, H=14" HANGER**



DETAIL	TYPE	HEADER NAILS		STIRRUP NAILS	*LOAD MAX.	DF=1.33% UPLIFT MAX.	DF=1.60% UPLIFT MAX.
		TOP	FACE				
2/3	BHV413x	4	6	2	7358	426	513

\*LOAD APPLIES TO 100, 115, & 125 DURATIONS.  
NAIL SCHEDULE  
KC # REF # DESCRIPTION  
N16 N16 (16d) 9 ga. x 2 1/2" Smooth Shank  
NOTE: UPLIFT CAPACITIES HAVE BEEN TABULATED USING NAIL VALUES CALCULATED FROM THE NDS '05 STANDARD WITH A DF-L WOOD HEADER / BEAM AND A PONDEROSA PINE BEARING BLOCK IN THE TRUSSES. HANGER MANUF. BY KC METAL PRODUCTS, INC. ICC, ESR#2929

REVISED FOR CONSTRUCTION



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PETRA STRUCTURAL ENGINEERS  
949-329-1049

DATE: 06/05/15  
REVISIONS  
1 6/19/15 PER APPROVED SHOPS

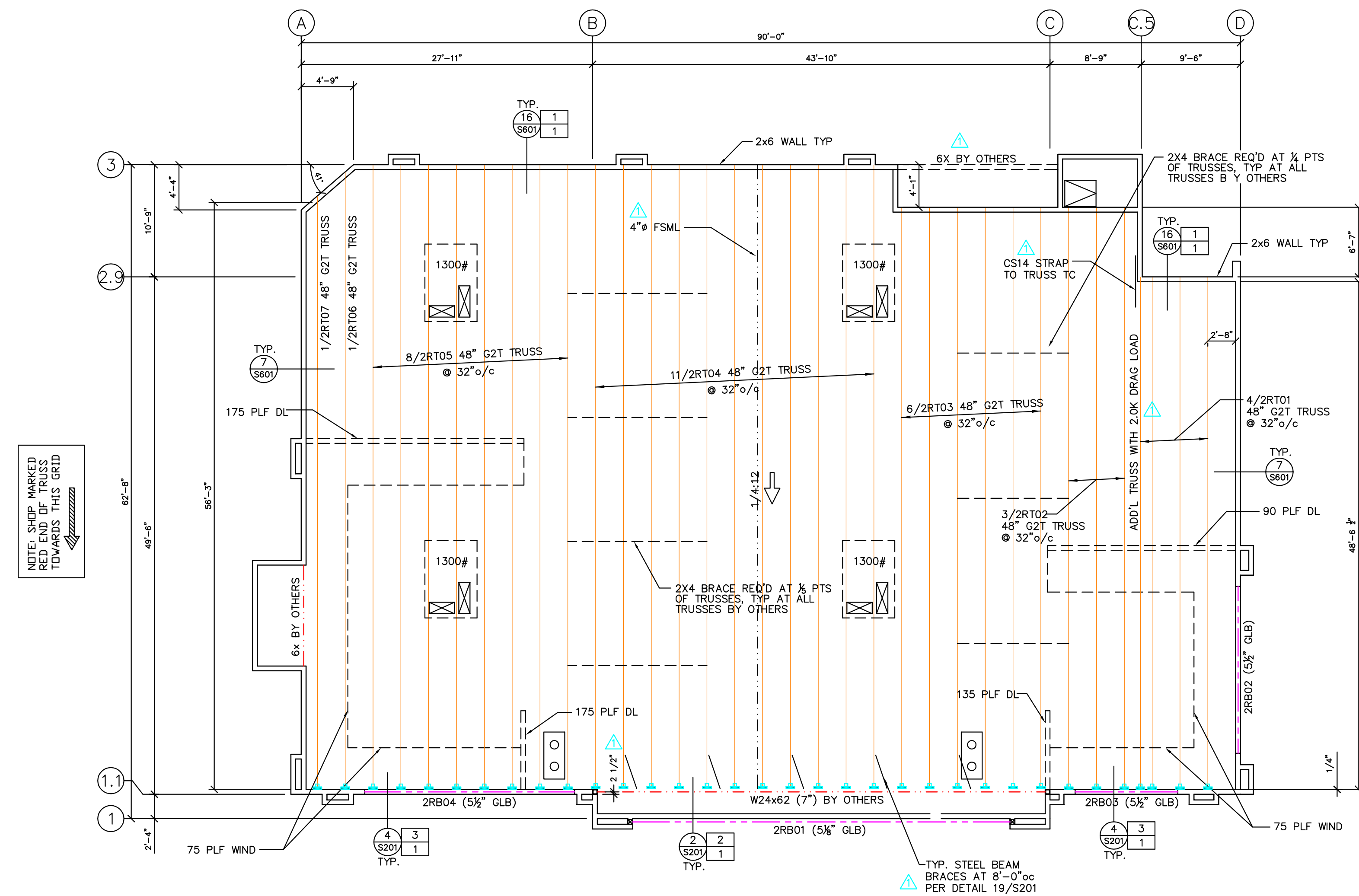
RIVERSIDE PLAZA PAD BUILDING 2  
3545 CENTRAL AVENUE  
RIVERSIDE, CALIFORNIA 92506

SHEET  
1 OF 2

PROJECT PLANS USED:		
SHEETS	DATE	
ARCHITECTURAL DRAWINGS		
T1.0 THRU A3.1	02/23/15	△
STRUCTURAL DRAWINGS		
S-001 THRU S-602	02/23/15	△
MECHANICAL DRAWINGS		
M0.0 THRU M2.3	02/23/15	△

ROOF DESIGN CRITERIA		
LIVE LOAD	20	PSF
DEAD LOAD	20	PSF
TOTAL LOAD	40	PSF
MINIMUM DESIGN DEFLECTION:		
LL = L/240	TL = L/180	
125% LOAD DURATION		

DATE: 06/05/15
REVISIONS
1 6/19/15 PER APPROVED SHOPS
△
△
△



G2T TRUSS LIST						
TYPE	QTY.	CLR SPAN	OVERALL LENGTH	DEPTH	HANGER (RED END)	HANGER (OTHER END)
2RT01	4	48'-7 3/4'	49'-0 3/4'	48"	RA413X H=14" HGRS	-
2RT02	3	55'-3'	55'-7 3/4'	48"	RA413X H=14" HGRS	-
2RT03	6	55'-3'	55'-8'	48"	BHV414X H=14" HGRS	-
2RT04	11	59'-4'	59'-9'	48"	BHV414X H=14" HGRS	-
2RT05	8	59'-3 3/4'	59'-8 3/4'	48"	RAU413X H=14" HGRS	-
2RT06	1	58'-6 5/8'	59'-1 1/4'	48"	RAU413X H=14" HGRS	-
2RT07	1	56'-1 3/8'	56'-8'	48"	RAU413X H=14" HGRS	-

NOTE: TRUSS CLEARSPAN IS FIGURED TO THE CENTERLINE OF TRUSS  
 NOTE: TRUSS OVERALL LENGTH IS FIGURED TO THE CENTERLINE OF TRUSS

MISC. MATERIAL LIST		
ITEM	QTY.	USE
RA413X H=14" HGRS	7	STD G2T HANGERS
BHV414X H=14" HGRS	17	STD G2T HANGERS
RAU413X H=14" HGRS	10	STD G2T HANGERS

24F-V4 INDUSTRIAL APPEARANCE UNO 14% MOISTURE CONTENT					
QTY	MARK	WIDTH	DEPTH	LENGTH	CAMBER
1	2RB01	5 1/8	24	37'-5"	STD

NOTE: SIMPLE SPAN GLULAMS SUPPLIED AS STANDARD 24F-V4

24F-V4 "HIT OR MISS" APPEARANCE UNO 14% MOISTURE CONTENT					
QTY	MARK	WIDTH	DEPTH	LENGTH	CAMBER
1	2RB02	5 1/2	12	17'-4"	STD
1	2RB03	5 1/2	12	11'-2"	STD
1	2RB04	5 1/2	21	20'-7"	STD

NOTE: SIMPLE SPAN GLULAMS SUPPLIED AS STANDARD 24F-V4  
 NOTE: 5 1/2" WIDE BEAMS ARE MANUFACTURED UN-PLANED AND SUPPLIED AS "HIT OR MISS" APPEARANCE.

**PAD '2' G2T Placement Plan**  
 Scale: 1/8" = 1'-0"

**WARNING:**  
 Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

**RIVERSIDE PLAZA PAD BUILDING 2**  
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 RIVERSIDE, CALIFORNIA 92506

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