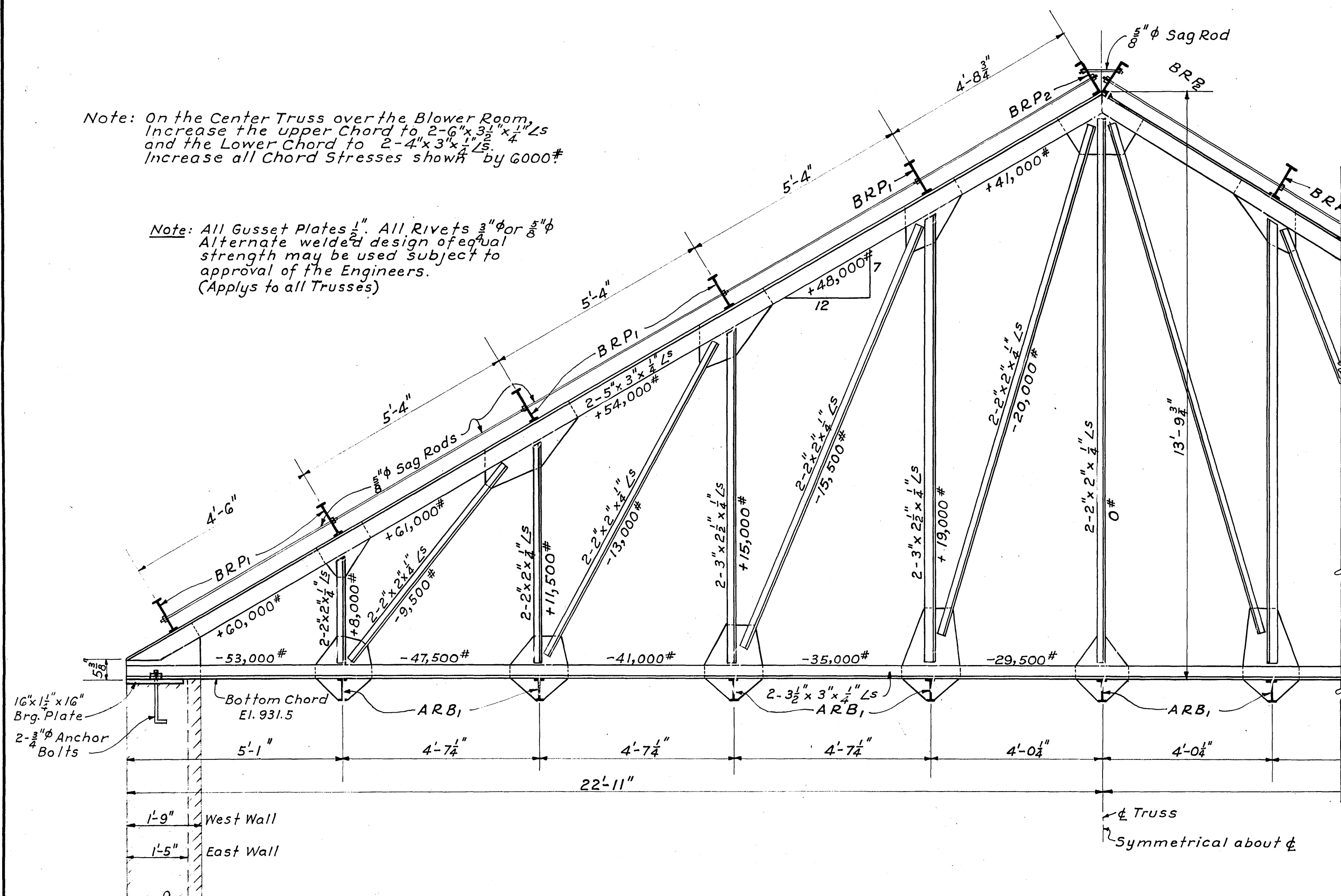


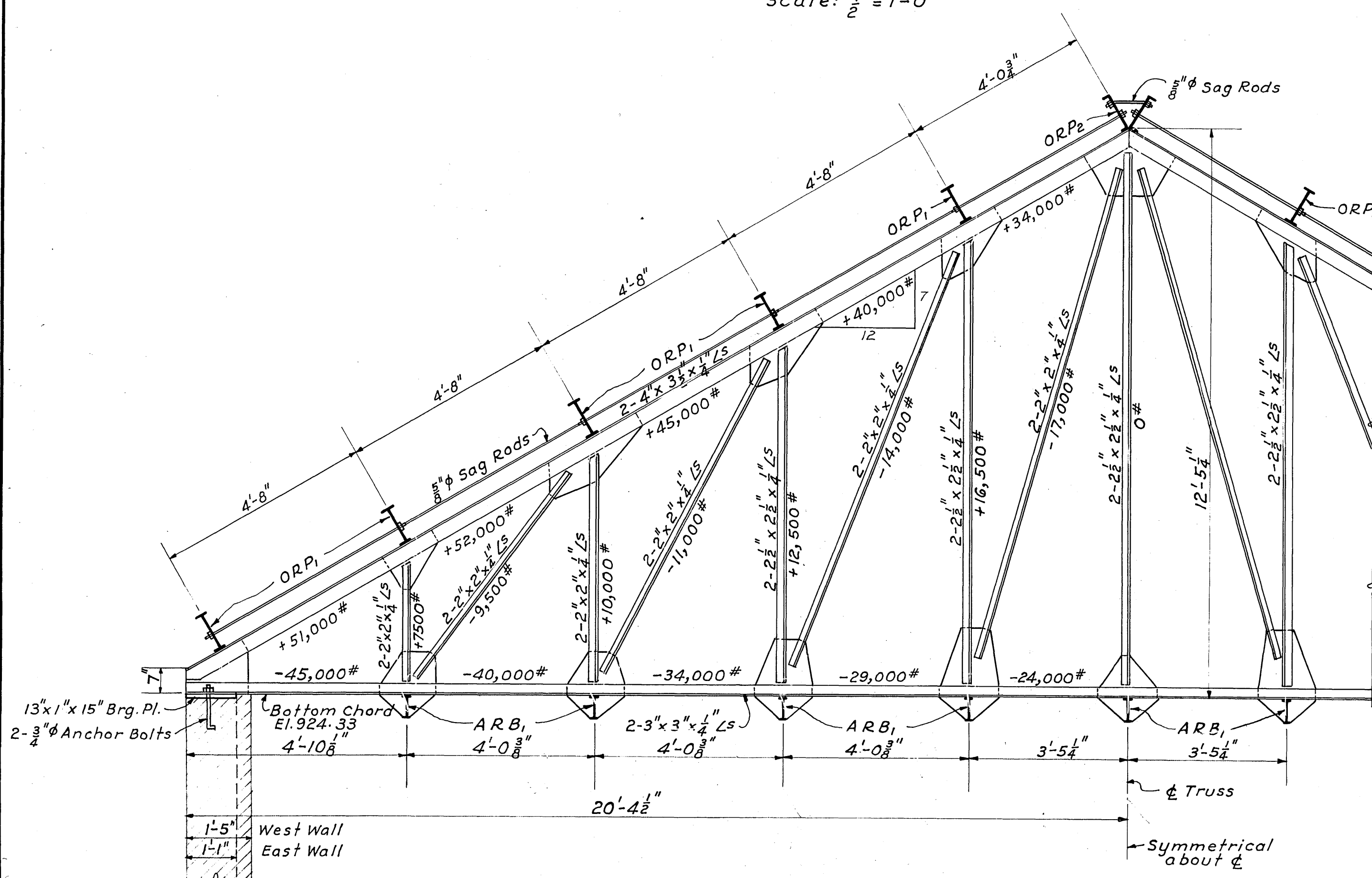
Note: On the Center Truss over the Blower Room, Increase the upper Chord to 2-6" x 3 1/2" x 1/4" Ls and the Lower Chord to 2-4" x 3 1/2" x 1/4" Ls. Increase all Chord Stresses shown by 6000#

Note: All Gusset Plates 1". All Rivets 3/4" or 5/8" ϕ . Alternate welded design of equal strength may be used subject to approval of the Engineers. (Applies to all Trusses)



ROOF TRUSS OVER BLOWER ROOM

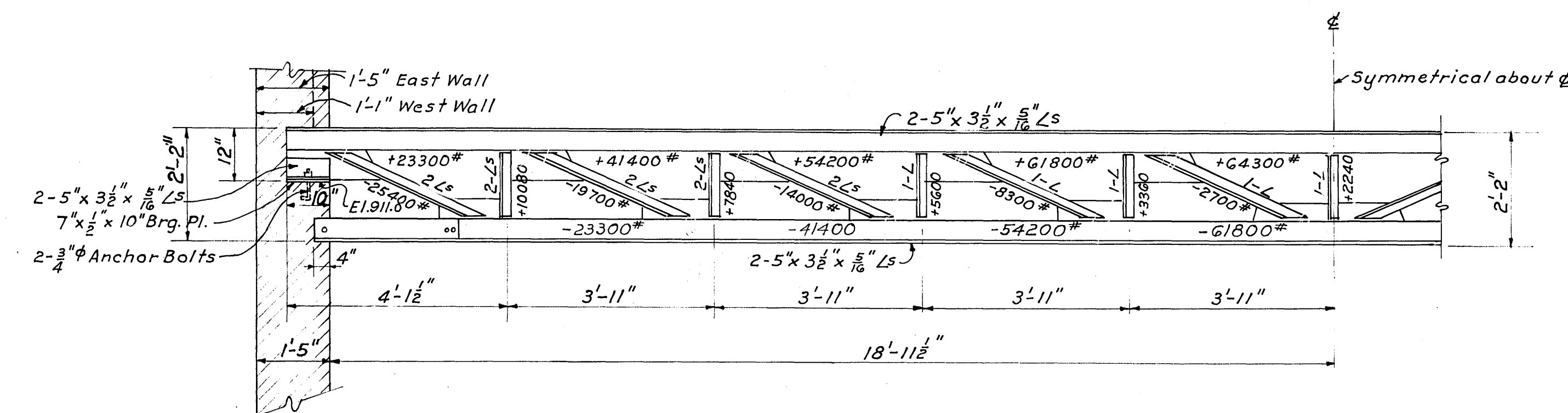
Scale: 1/2" = 1'-0"



ROOF TRUSS OVER OFFICES & AIR INTAKE SPACE

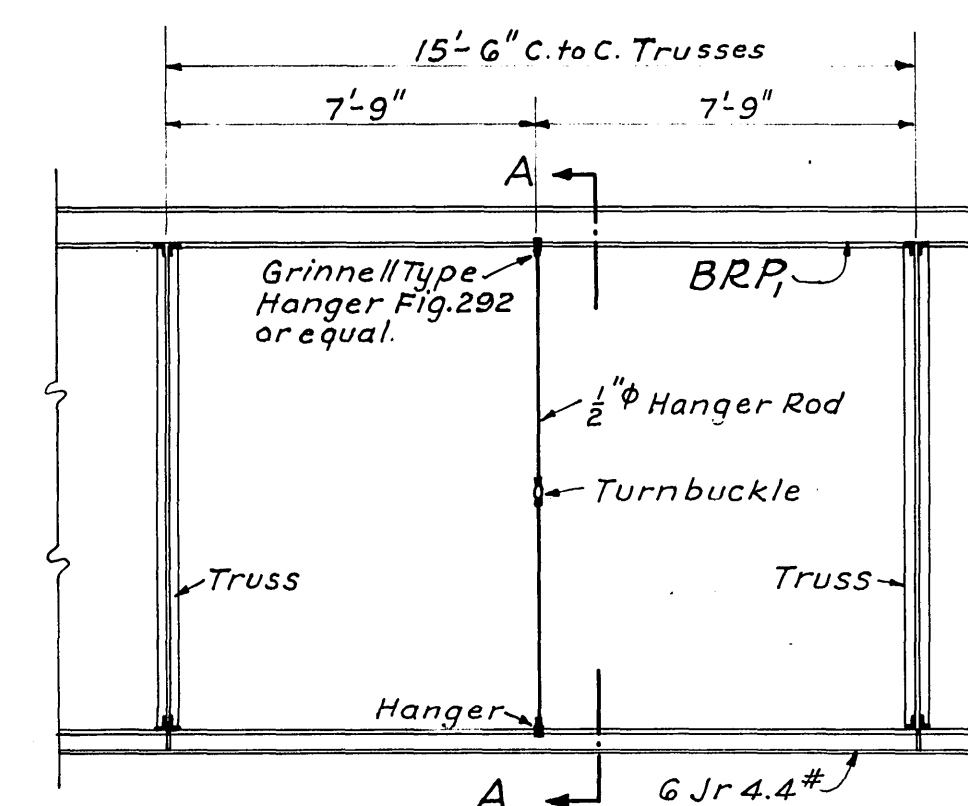
Scale: 1/2" = 1'-0"

Note: Eliminate every other Beam marked ARB₁ & accompanying hanger rods on trusses over Air Intake Space making for a total of 4 such Beams per truss instead of 9. No Hanger Rods needed.



OFFICE FLOOR TRUSS

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

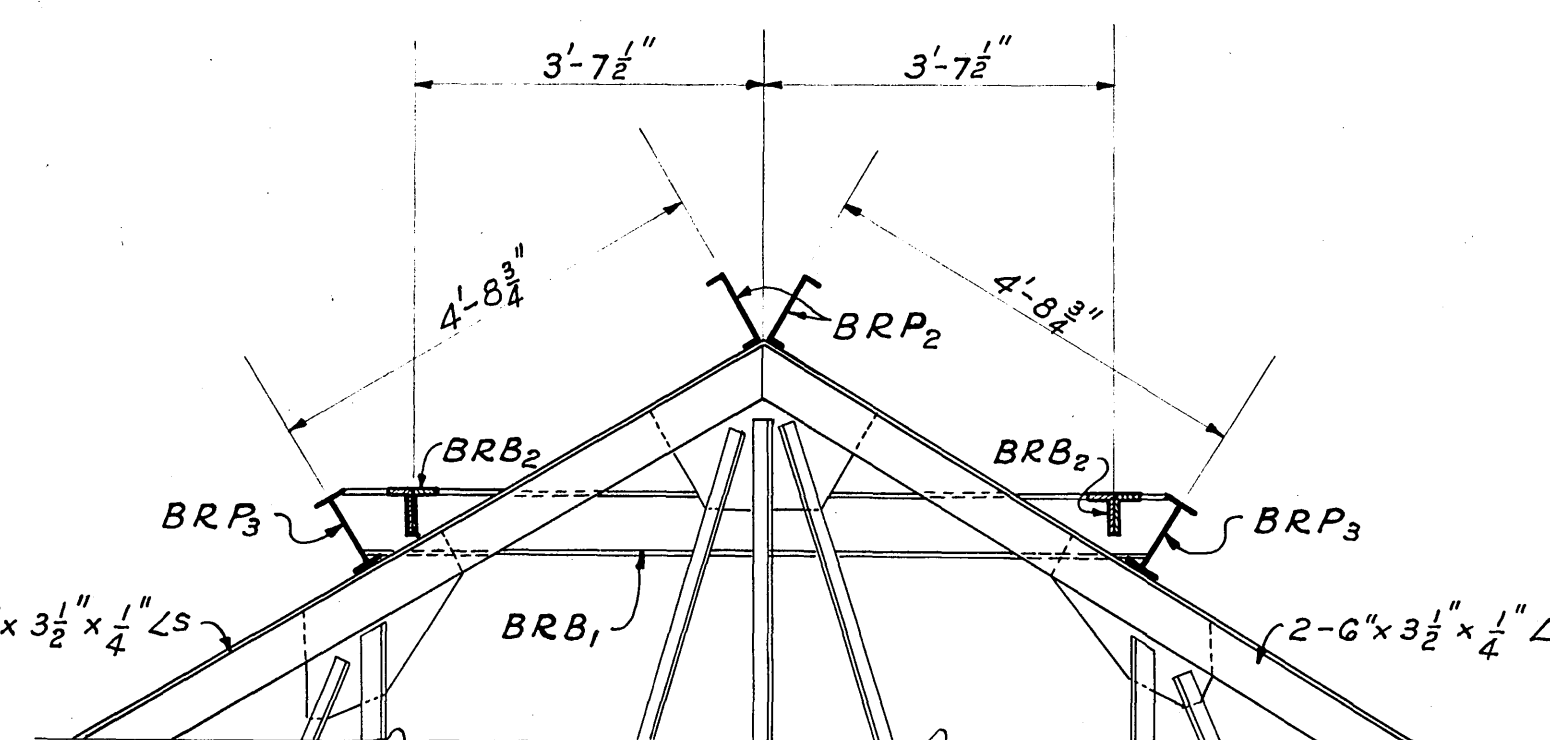


TYPICAL ELEVATION

Note: Provide Hanger Rods, as shown above from all Purlins to 6" Cross Beams. All 6" Cross Beams to have a Min. of 6" bearing in Masonry. Similar hanger rods for Roof Truss over Offices.

DETAILS OF HANGER ROD CONNECTIONS

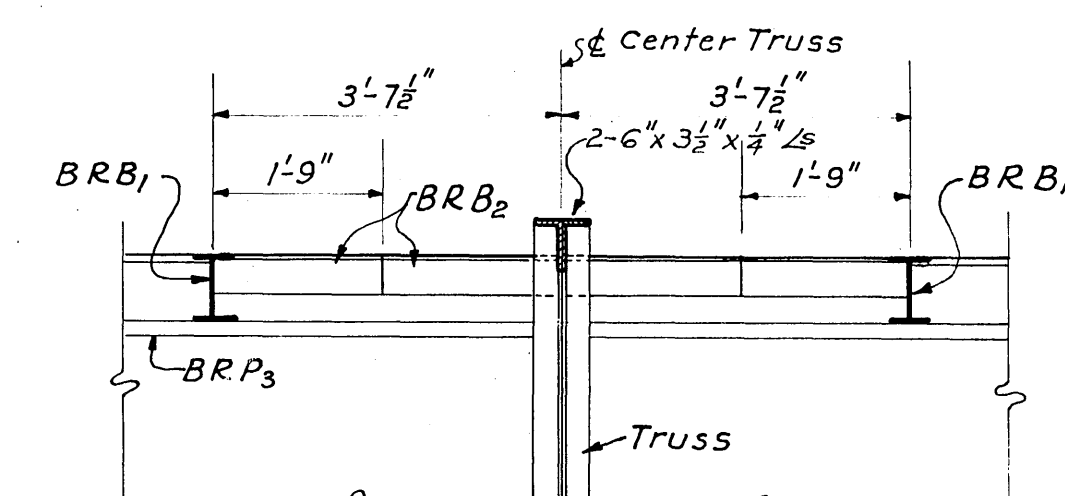
Scale: 1/4" = 1'-0"



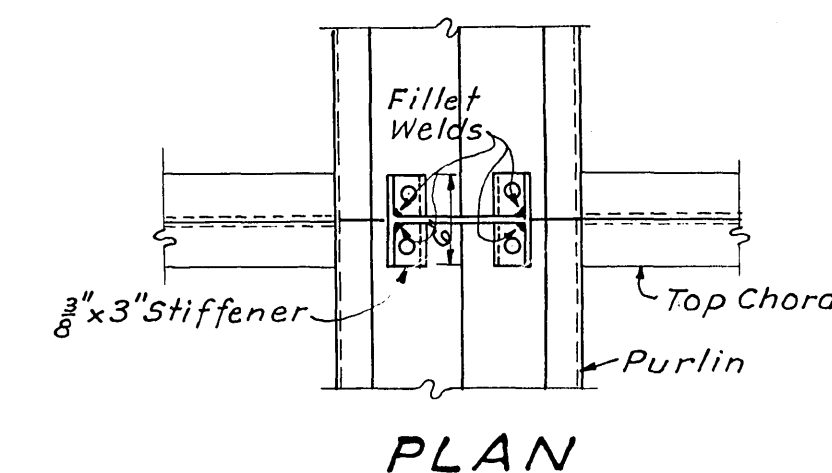
SECTION X-X

DETAILS OF FRAMING FOR CUPOLA

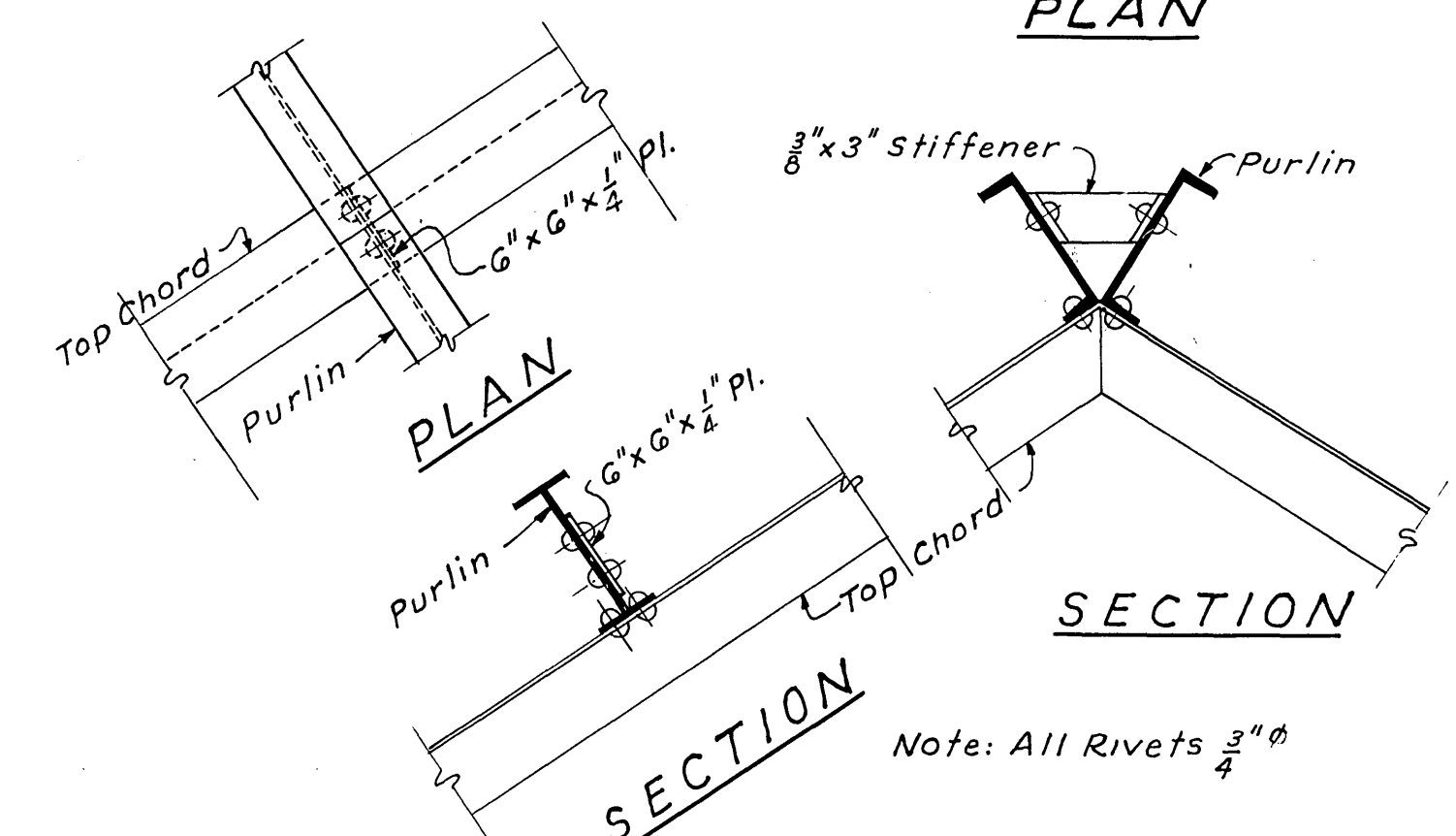
Scale: 1/2" = 1'-0"



SECTION Y-Y



PLAN



SECTION

DETAILS OF PURLIN CONNECTIONS TO TRUSSES

Scale: 1" = 1'-0"

SANITARY SEWER PROJECT No. 3-1950

ALVORD, BURDICK & HOWSON | MATTEN & MATTEN
ENGINEERS
CHICAGO, ILL. | ROANOKE, VA.

SEWAGE TREATMENT PLANT
CITY OF ROANOKE, VIRGINIA
PUMP & BLOWER BLDG.
STRUCTURAL DETAILS

DESIGNED	D.J.M.	SCALE	AS SHOWN	COM NO.
DRAWN	G.J.R.	DATE	AUGUST, 1950	SHEET NO. 16