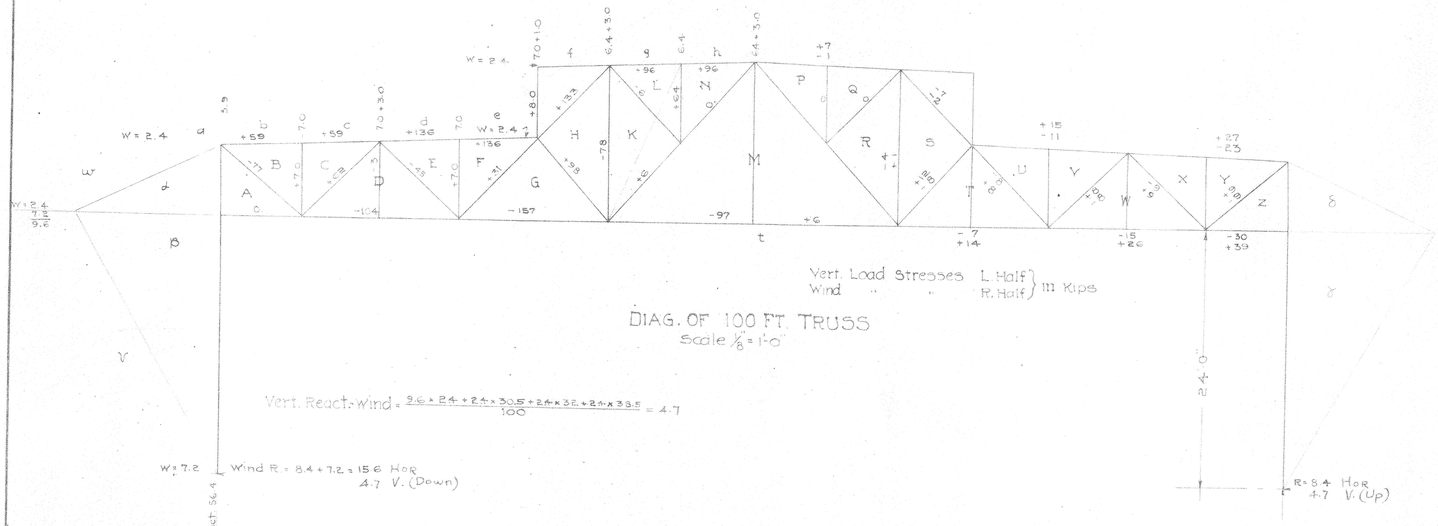


DIAG. OF 100 FT. TRUSS
Scale 1/8" = 1'-0"

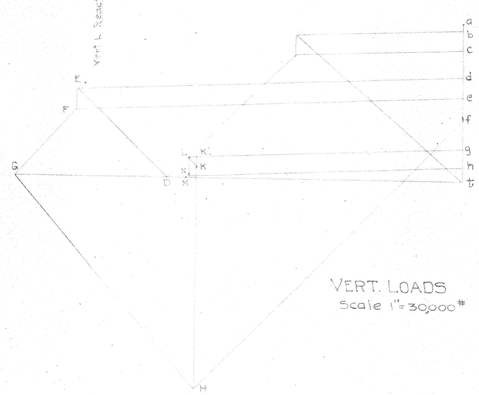
Vert. React. Wind = $\frac{9.6 \times 24 + 2.4 \times 30.5 + 2.4 \times 32 + 2.4 \times 33.5}{100} = 4.7$

VERTICAL LOADING

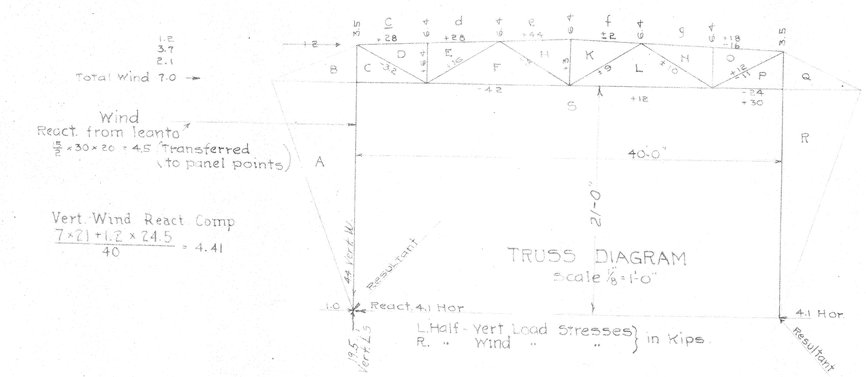
Roofing & Sheathing	10# □ ft
Purlins	2# "
Truss $\frac{12000}{20 \times 100}$	6# "
Total Dead	18# "
Snow	30# "
Total	48# "
Trolley	3000# Conc.

Diagrams Made For
Dead & Snow 48# □ ft.
Wind 30# " (none on roofs)

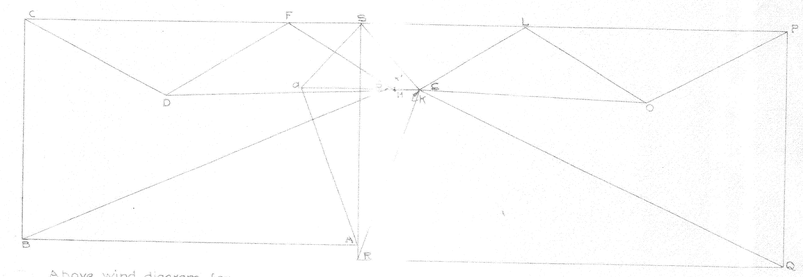
Loads given in Kips.



VERT. LOADS
Scale 1" = 30,000#

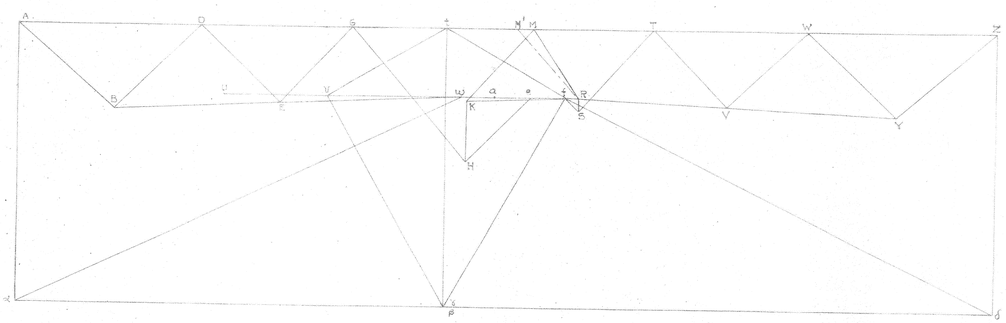


TRUSS DIAGRAM
Scale 1/8" = 1'-0"



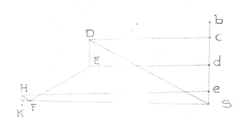
Above wind diagram for Storehouse only. Shop Truss made identical.

WIND (Scale 1" = 6000#)



Note: Above diagram made on assumption of hinged bottoms of columns. Columns were later designed for fixed end condition after necessity for Pile Foundations was established.

WIND
1" = 6000#



VERT. LOADS
1" = 20,000#

STRESS DIAGRAMS
40' TRUSSES

Drawn By S.T.H.
Traced By P.M.R.
Checked By V.E.H.
In Charge
Sheet ... of ... accompanying Specification No.
P.W. Drawing No. 8639

NAVY YARD, PUGET SOUND, WASH.
NAVAL AIR STATION SEATTLE WN.
COMBINED ENGINE & OVERHAUL SHOP, AND STOREHOUSE
TRUSS STRESS DIAGRAM
Approved, October, 1929

Public Works Officer

50008