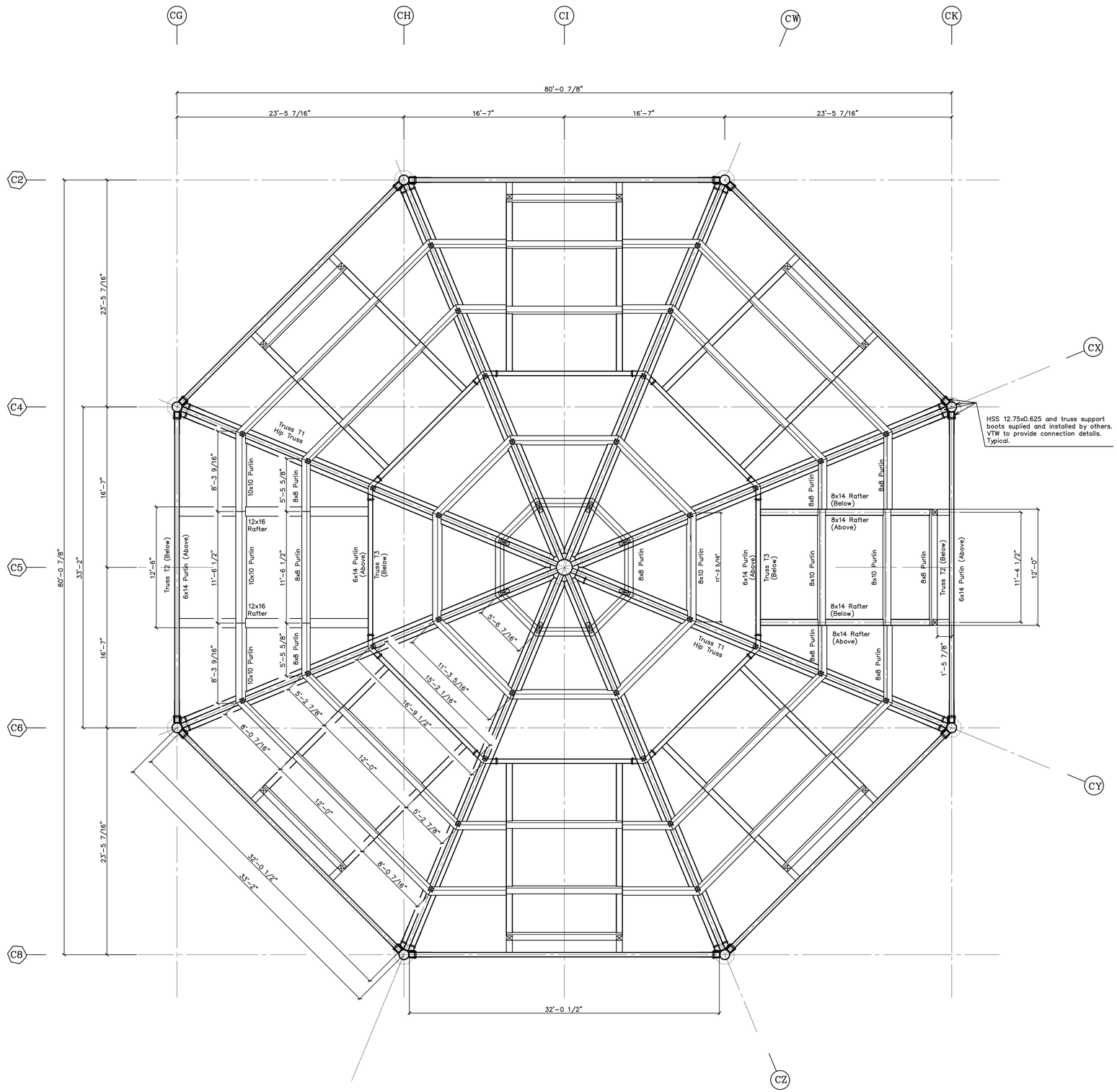

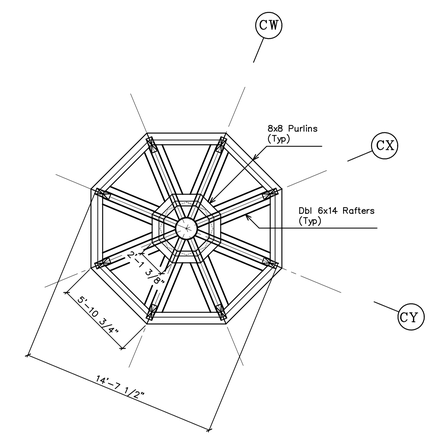

CUPOLA ROOF FRAMING PLAN

General Notes:

Timbers to be Douglas Fir #1 & Better S4S

Pegs to be 1" birch.
All edges to have 1/2" chamfer
One coat of stain, oil or urethane to be shop applied on all sides.
All Bolts to be 3/4" zinc coated Grade A307.
All Steel to be A36 and to be shop primed flat black.

BASIS OF DESIGN

1) Architect and/or Structural Engineer of Record is responsible to review and approve design loads.

2) The heavy timber trusses and/or frame is designed for gravity loads only and not as part of the main lateral force resisting system. The main lateral force resisting system is the responsibility of others.

3) The following design loads are based on the loads provided by the Structural Engineer of Record on the Structural Drawing Sheet S0.01.

ROOF SNOW LOADS	
Pg	70 psf
Pf	88 psf
Ce	1
Ct	1
I	1.1
Snow Drift & Unbalanced Snow	As Applicable
WIND LOADS	
Basic Wind Speed	90 mph (3 sec gust)
Building Category	III
I	1.15
Building Classification	Enclosed
Exposure	B
Internal Pressure Coefficient	+/-0.18
Component and Cladding Wind Loads (100 sq. ft. Tributary Area Min)	
Roof Zone 1	+15.6/-18.0 psf
Roof Zone 2	+15.6/-19.1 psf
Roof Zone 3	+15.6/-19.1 psf
Wall Zone 4	--
Wall Zone 5	--

REVISIONS	BY
9/11/07	PJZ
11/2/07	PJZ
RED LINE CHECK	
BY:	DATE:

VERMONT TIMBER WORKS
N. SPRINGFIELD, VERMONT
802-886-1917

SHOP DRAWINGS

Roof Framing Plan

THE ENGINEERING ADVICE, OPINIONS, AND RECOMMENDATIONS IN THIS DRAWING ARE THOSE OF THE LICENSED PROFESSIONAL ENGINEER WHOSE STAMP APPEARS HEREIN, AND NOT OF VERMONT TIMBER WORKS, INC.

PROJECT:

Spruce Peak Lodge
Heavy Timber Frame
Stowe, Vermont

DRAWN : PJZ	CHECKED :
DATE : 8/31/07	
SCALE : 3/16"=1'-0"	
JOB NO. :	
SHEET F-2	
OF SHEETS	

COPYRIGHT VERMONT TIMBER WORKS, INC.
THIS DRAWING MAY BE UTILIZED ONLY FOR THE WORK SHOWN THEREIN AT THE SITE SPECIFIED. ANY OTHER USE OF THIS DRAWING INCLUDING, WITHOUT LIMITATION, ANY REPRODUCTION OR ALTERATION OF THIS DRAWING WITHOUT THE PRIOR WRITTEN APPROVAL OF VERMONT TIMBER WORKS, INC. IS A VIOLATION OF LAW AND PROHIBITED.