

GENERAL NOTES

1. THE DESIGN OF THIS STRUCTURE HAS BEEN REVIEWED FOR COMPLIANCE WITH:

INTERNATIONAL BUILDING CODE (IBC) 2012
 ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
 AISI COLD-FORMED STEEL DESIGN MANUAL (2007 EDITION)
 AISC STEEL CONSTRUCTION MANUAL FOURTEENTH EDITION

2. BUILDING INFORMATION

TYPE OF ROOF	GABLE FREE
MAXIMUM HEIGHT OF STRUCTURE	= 14'-10"
MAXIMUM WIDTH OF STRUCTURE	= 20'-0"
MAXIMUM SPAN OF STRUCTURE	= 46'-0"
ROOF SLOPE	= 10 deg
ROOF PITCH	= 2:12
ROOF WEIGHT	= 3774 LBS

DESIGN LOADS:

DEAD LOADS	ROOF PANEL	=1 PSF
LIVE LOADS	UNIFORM LOAD	=20 PSF
	CONCENTRATED LOAD	=300 LBS
SNOW LOADS	GROUND SNOW LOAD	=33 PSF
	ROOF SNOW LOADS	
	BALANCED ROOF SNOW LOAD	=23 PSF
	UNBALANCED ROOF SNOW LOAD	=35 PSF
	TERRAIN CATEGORY	=C
	EXPOSURE CATEGORY 'Ce'	=0.90
	THERMAL CONDITION 'Ct'	=1.20
	RISK CATEGORY	=II
	IMPORTANCE FACTOR 'I'	=1.00

WIND LOADS	TOTAL HEIGHT 'z'	= 14.83'
	MEAN HEIGHT 'h'	= 12.10'

BASIC WIND SPEED (3 SECOND GUST) 'V'	=115 MPH
DIRECTION FACTOR 'Kd'	=0.85
EXPOSURE CATEGORY	=C
TOPOGRAPHY FACTOR 'Kzt'	=1.0
GUST EFFECT FACTOR 'Gf'	=0.85
ENCLOSURE CLASS	=OPEN BUILDING
INTERNAL PRESSURE COEFFICIENT	=0
RISK CATEGORY	=II
WIND IMPORTANCE FACTOR	=1.0

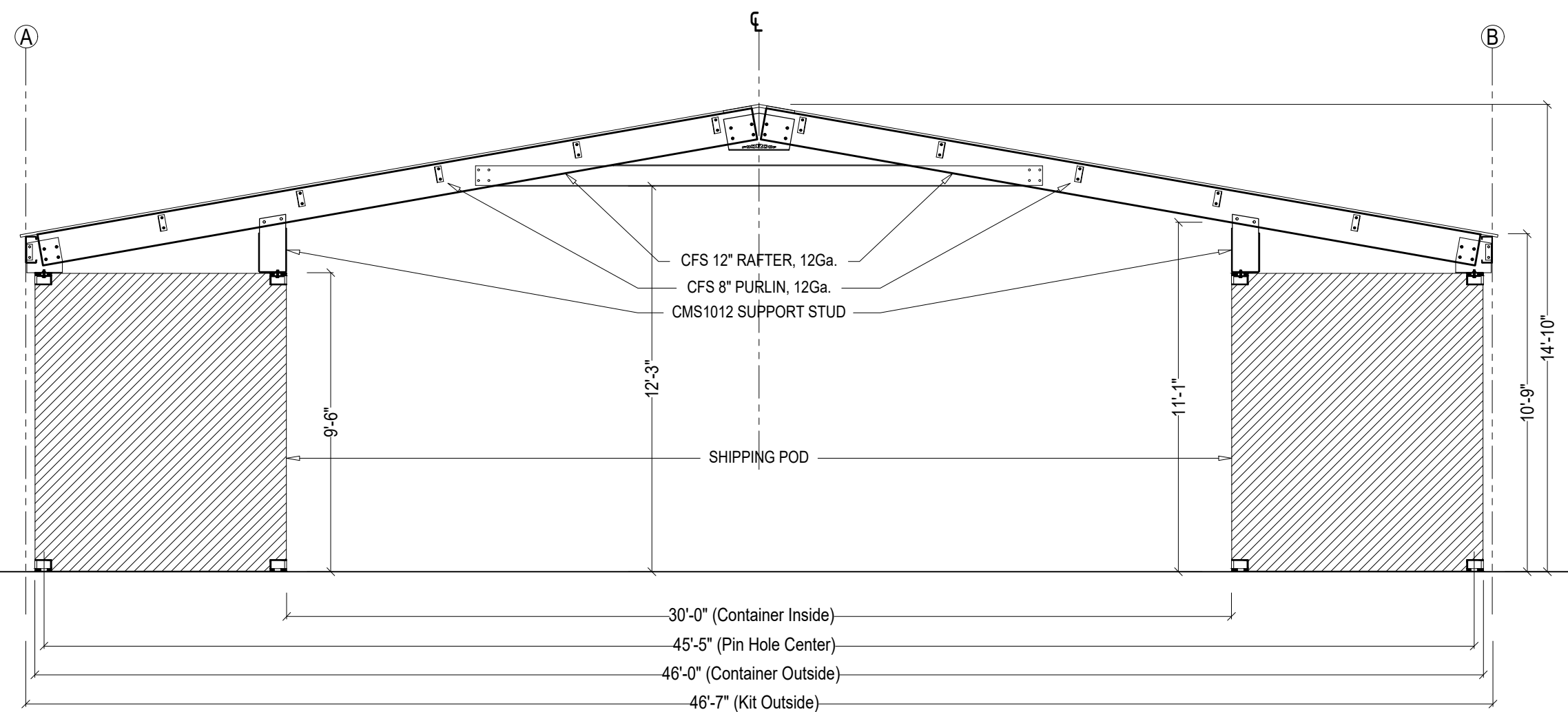
SEISMIC LOADS: WITH UNKNOWN SITE, USE SITE CLASSIFICATION 'D'

MAPPED ACCELERATION PARAMETERS	Ss =0.125, S1=0.057
SPECTRAL RESPONSE ACCELERATION PARAMETERS	SMS=0.200, SM1=0.137
SPECTRAL RESPONSE COEFFICIENTS	SDS=0.133, SD1=0.091
RISK CATEGORY	=II
SEISMIC IMPORTANCE FACTOR Ie	=1.0
SEISMIC DESIGN CATEGORY	=B
BASIC SEISMIC FORCE RESISTING SYSTEM	
(STEEL SYSTEM NOT SPECIFICALLY	R=3.0
DETAILED FOR SEISMIC RESISTANCE)	
DESIGN BASE SHEAR, V=C _s X W	=0.044*W

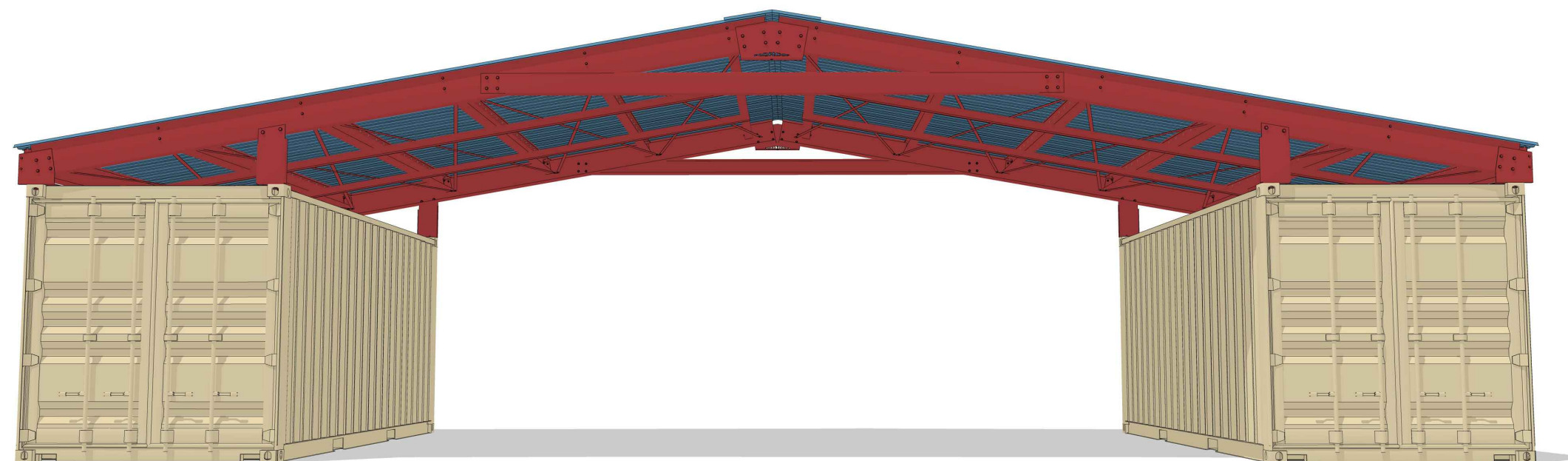
MATERIALS

1. BEAMS AND PURLINS:	ASTM A607 GRADE 55 CLASS 1
2. ROOF PANEL	26 GAUGE

PODROOF KIT MODEL : GB46



SECTION
 SCALE : 1/4" = 1'-0"



PLANS FOR
 GB46

THE DESIGN OF ALL MEMBERS AND CONNECTIONS SHOWN ARE BASED ON THE LOAD CRITERIA ABOVE. ANY DEVIATION FROM THESE CRITERIA SHALL VOID THE ACCEPTANCE OF THIS DESIGN. ADDITIONAL STRUCTURAL ANALYSIS BASED ON THE REVISED DESIGN CRITERIA WOULD BE REQUIRED TO VERIFY THE DESIGN OF THE PODROOF ASSEMBLY IS CODE COMPLIANT.

DATE: 06/12/2024
 DRAWN BY: AHSAN H.
 SCALE: AS SHOWN
 REVISIONS:

SHEET NO.
CVR