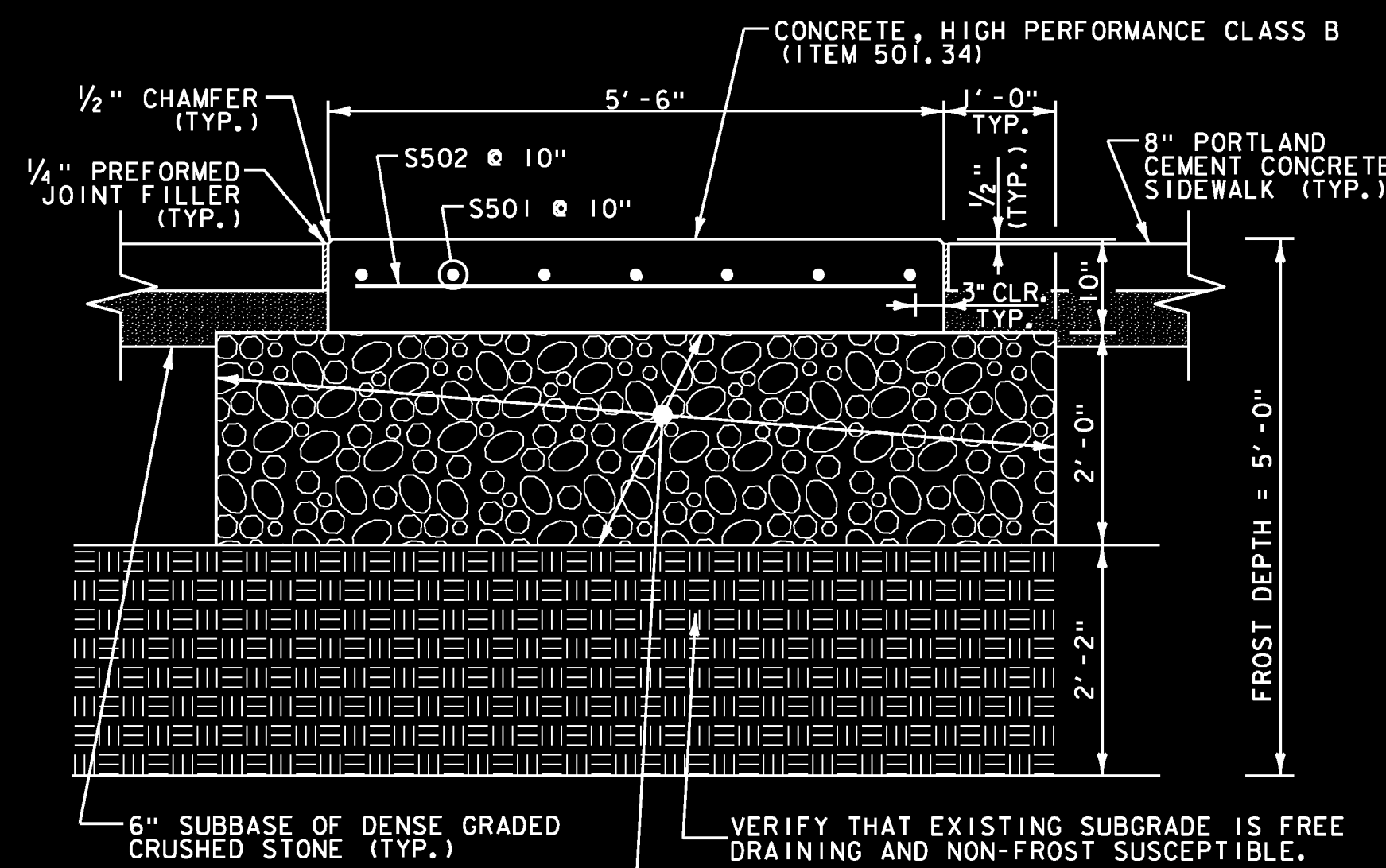
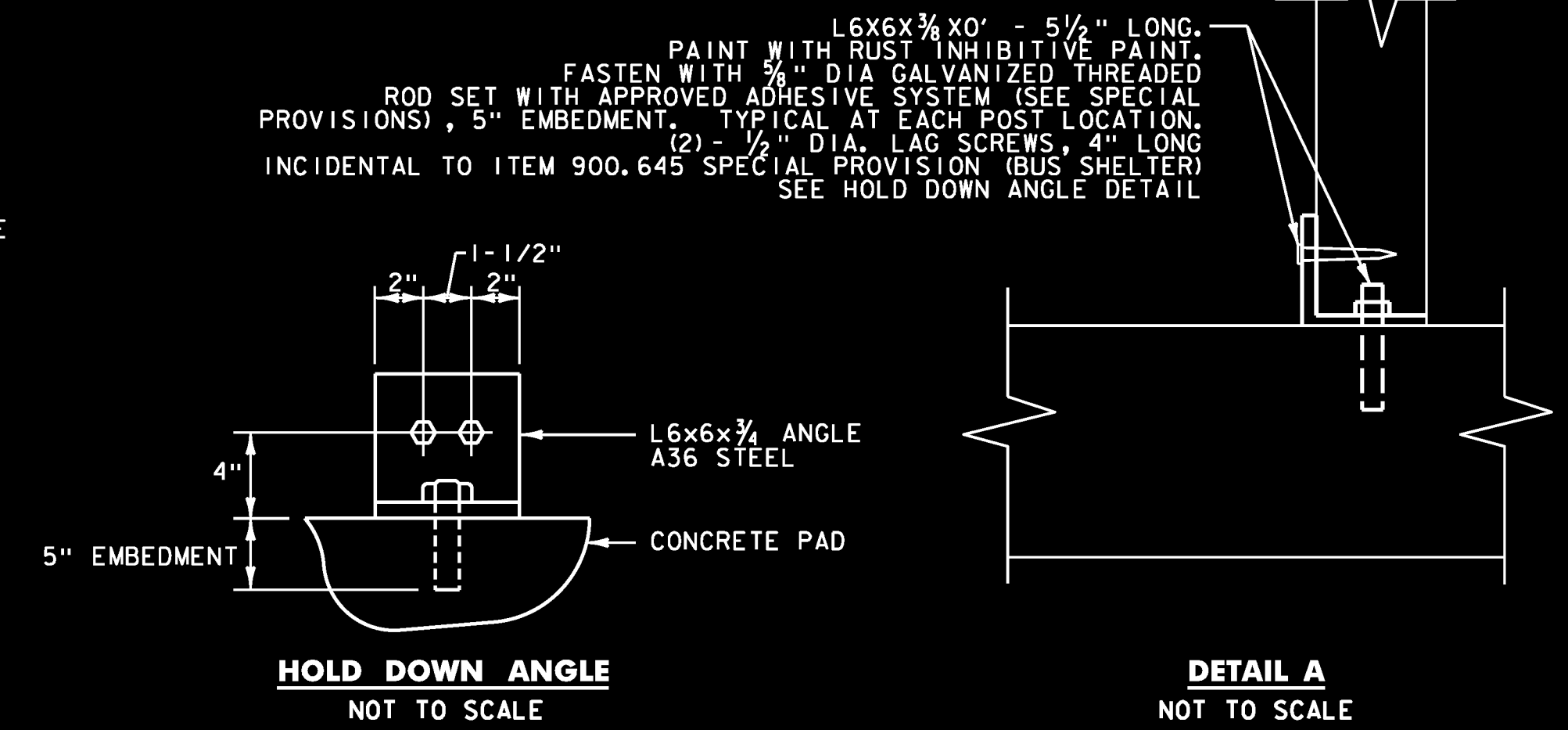


**FOUNDATION PLAN**  
SCALE: 3/4" = 1'-0"



**RIDER SHELTER SLAB DETAIL**  
SECTION A-A  
SCALE: 3/4" = 1'-0"



**HOLD DOWN ANGLE**  
NOT TO SCALE

**DETAIL A**  
NOT TO SCALE

**DESIGN CRITERIA:**

1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE VERMONT FIRE & BUILDING SAFETY CODE, 2006 (AMENDED JUNE 2011)  
ROOF:

SNOW LOAD:	
GROUND SNOW LOAD (Pg)	= 50 PSF
IMPORTANCE FACTOR (Is)	= 1.0
SNOW EXPOSURE FACTOR (Ce)	= 1.0
THERMAL FACTOR (Ct)	= 1.2
ROOF SNOW LOAD (Pf)	= 42 PSF
LIVE LOAD (MIN. DOES NOT GOVERN):	= 20 PSF
DEAD LOADS FOR NEW CONSTRUCTION:	
ROOFING	= 1.5 PSF
2" NOMINAL DECKING	= 3.7 PSF
2x @ 1'-9" O.C. FRAMING	= 3.0 PSF
MISC.	= 1.8 PSF
TOTAL DEAD LOAD	= 10.0 PSF
TOTAL ROOF LOAD	= 52.0 PSF

WIND LOADS:	
IMPORTANCE FACTOR (Iw)	= 1.0
EXPOSURE	= C
BASIC WIND SPEED	= 90 MPH
BASE WIND PRESSURE	= 15.0 PSF
WFRS WIND PRESSURE (NORMAL TO RIDGE)	= 16.5 PSF
WFRS WIND PRESSURE (PARALLEL TO RIDGE)	= 13.6 PSF

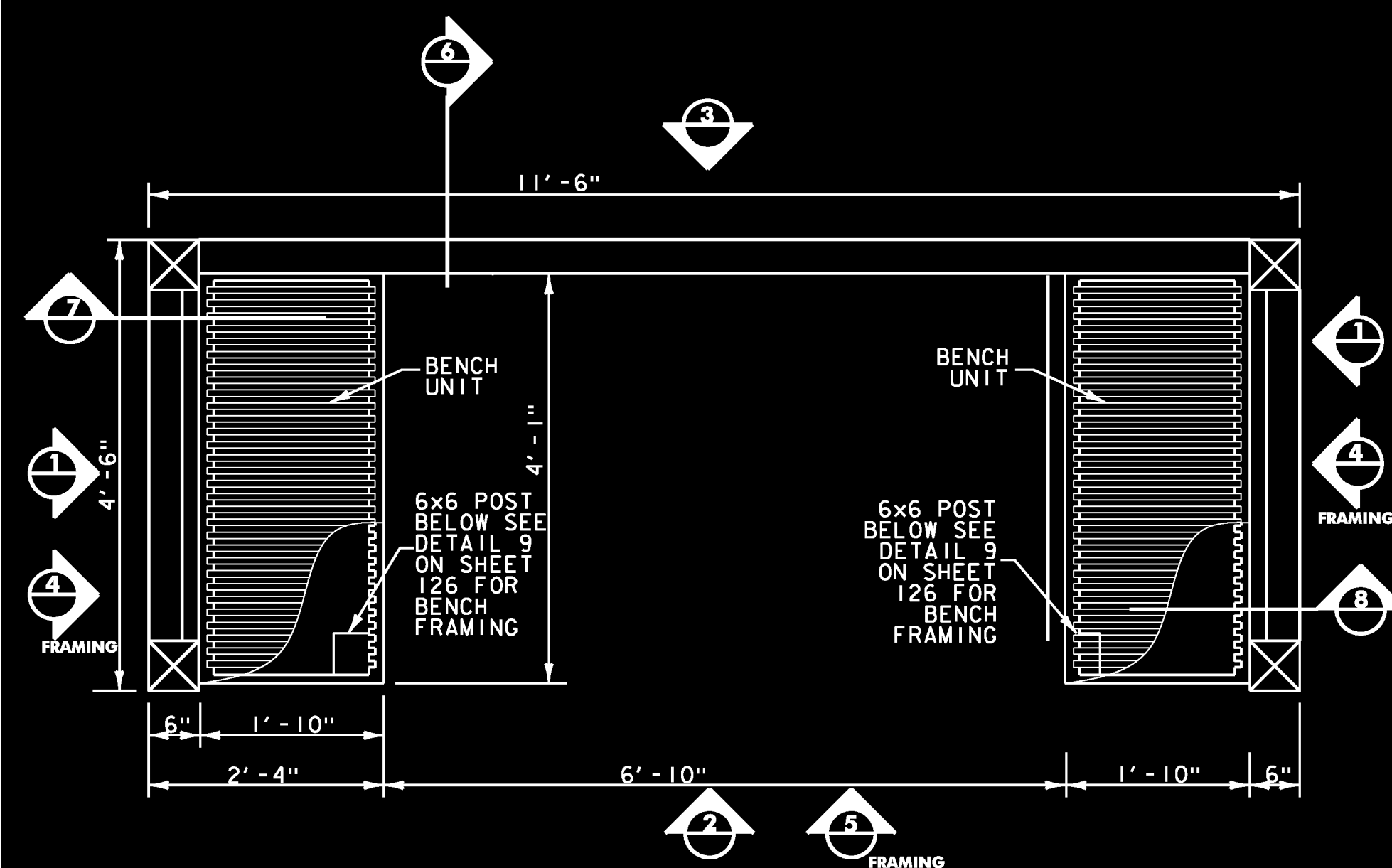
SEISMIC:	
IMPORTANCE FACTOR (Ie)	= 1.0
SEISMIC DESIGN CATEGORY	= C
OCCUPANCY CATEGORY	= II
SPECTRAL RESPONSE ACCELERATION (Ss)	= 0.339 (S1) = 0.092
SPECTRAL RESPONSE COEFFICIENT (Sds)	= 0.346 (Sd1) = 0.147
SITE CLASSIFICATION	= D

BUILDING FRAME SYSTEMS  
LIGHT FRAME WALLS WITH SHEAR PANELS - WOOD STRUCTURAL PANELS  
SEISMIC RESPONSE COEFFICIENT (Cs) = 0.049  
RESPONSE MODIFICATION FACTOR (R) = 7

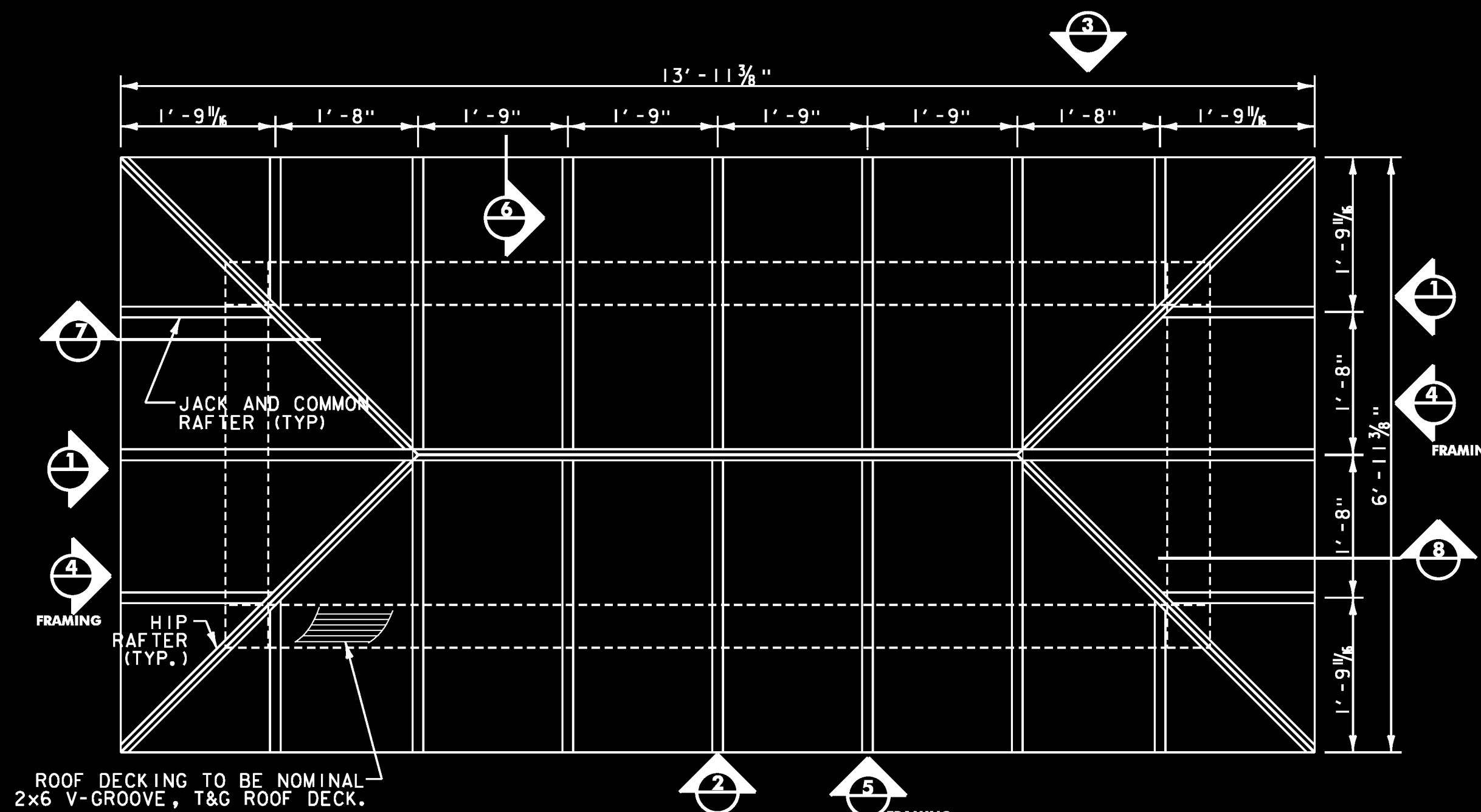
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE  
LATERAL DESIGN CONTROL: WIND (Vy); WIND (Vx)

**NOTES:**

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, ITS LATEST REVISIONS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1996 ed. WITH LATEST INTERIMS.
- REINFORCING PLACEMENT TOLERANCES SHALL BE:  
SPACING +/- 1"  
CLEARANCE +/- 1/4"
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" BY 3/4"
- WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE.
- PAYMENT OF ITEMS AND LABOR SHOWN ON THIS SHEET SHALL BE INCLUDED UNDER SPECIAL PROVISION (BUS SHELTER), ITEM 900.645, LUMP SUM UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE PAID FOR UNDER ITEM 507.11.
- SEE SHEET 127 OF 132 FOR REINFORCING STEEL SCHEDULE



**PLAN VIEW**  
SCALE: 3/4" = 1'-0"



ROOF DECKING TO BE NOMINAL 2x6 V-GROOVE, T&G ROOF DECK.

**ROOF FRAMING PLAN**  
SCALE: 3/4" = 1'-0"

- NOTES:
- JACK AND COMMON RAFTERS ARE 2x6.
  - HIP RAFTERS ARE 2x7
  - RIDGE BEAM IS 2x8

PROJECT NAME: RICHMOND  
PROJECT NUMBER: CMG PARK (31)

FILE NAME: z97cl86shelter.dgn PLOT DATE: 4/29/2013  
PROJECT LEADER: ERIK ATKINS DRAWN BY: N. BOSAN  
DESIGNED BY: C. NORET CHECKED BY: G. BOTAZZI  
BUS SHELTER PLAN, DTLS & ELEVS SHEET 2 SHEET 127 OF 133