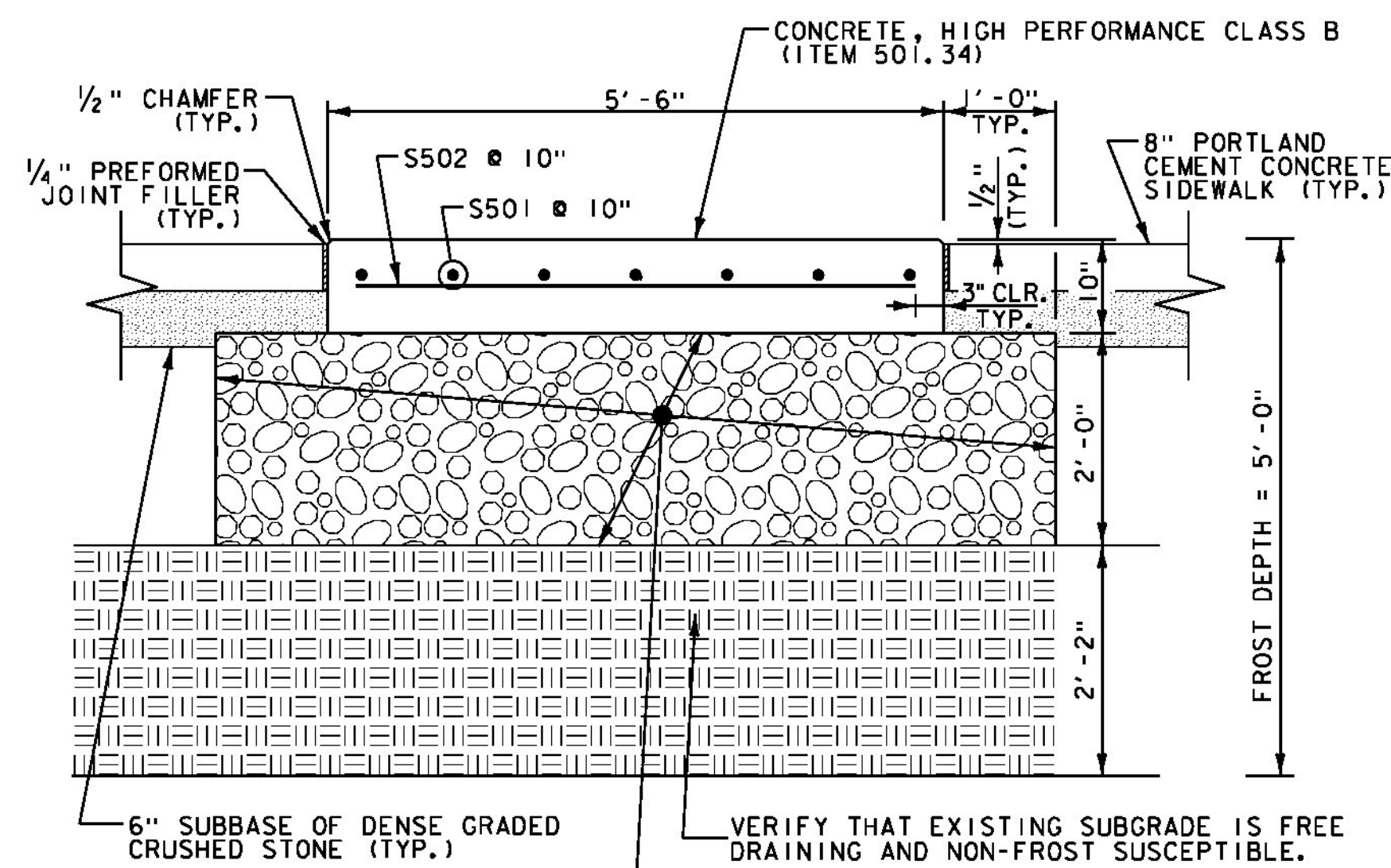
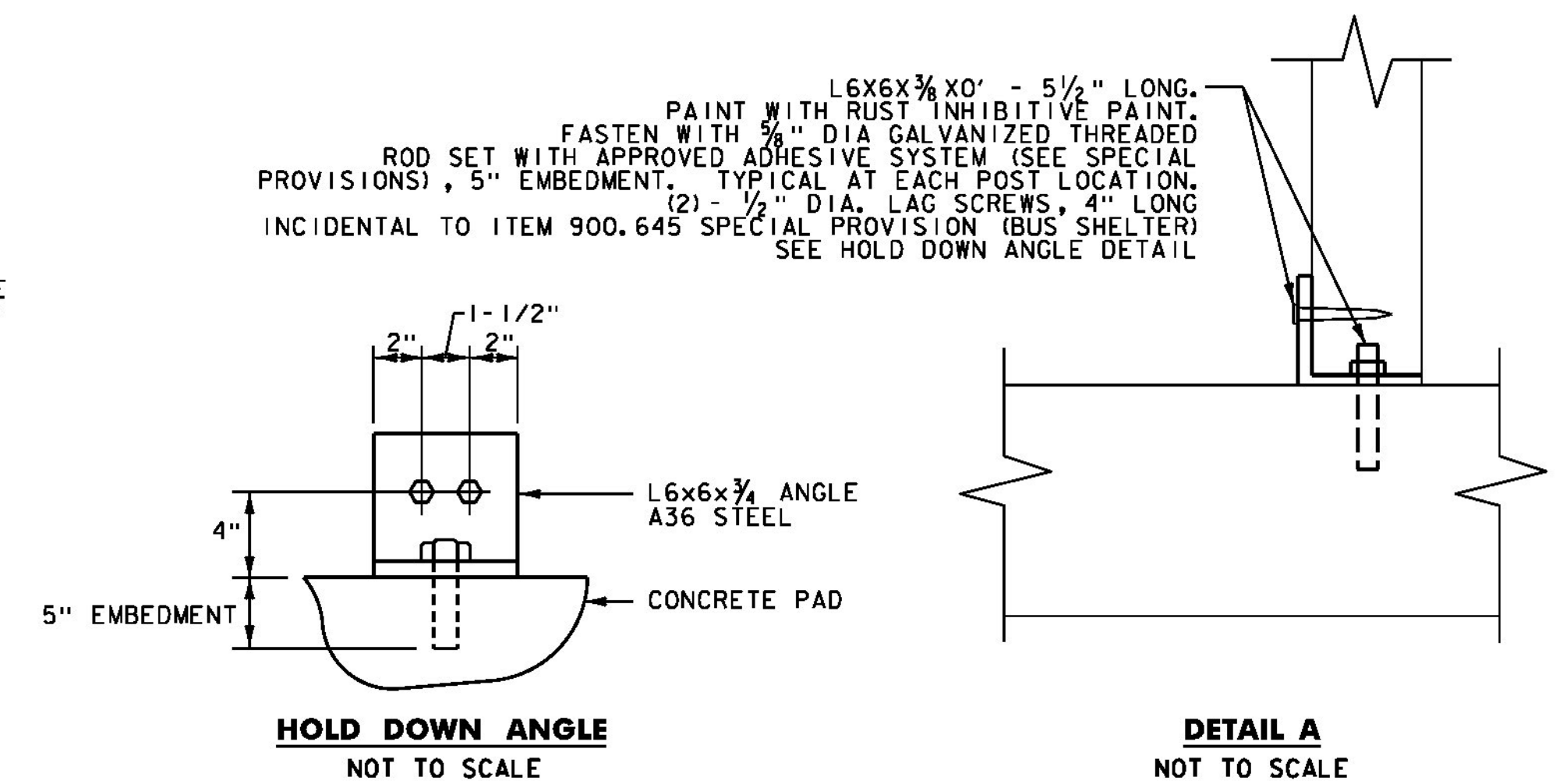


FOUNDATION PLAN
SCALE: 3/4" = 1'-0"



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



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
MWFRS WIND PRESSURE (NORMAL TO RIDG)	= 16.5 PSF
MWFRS 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

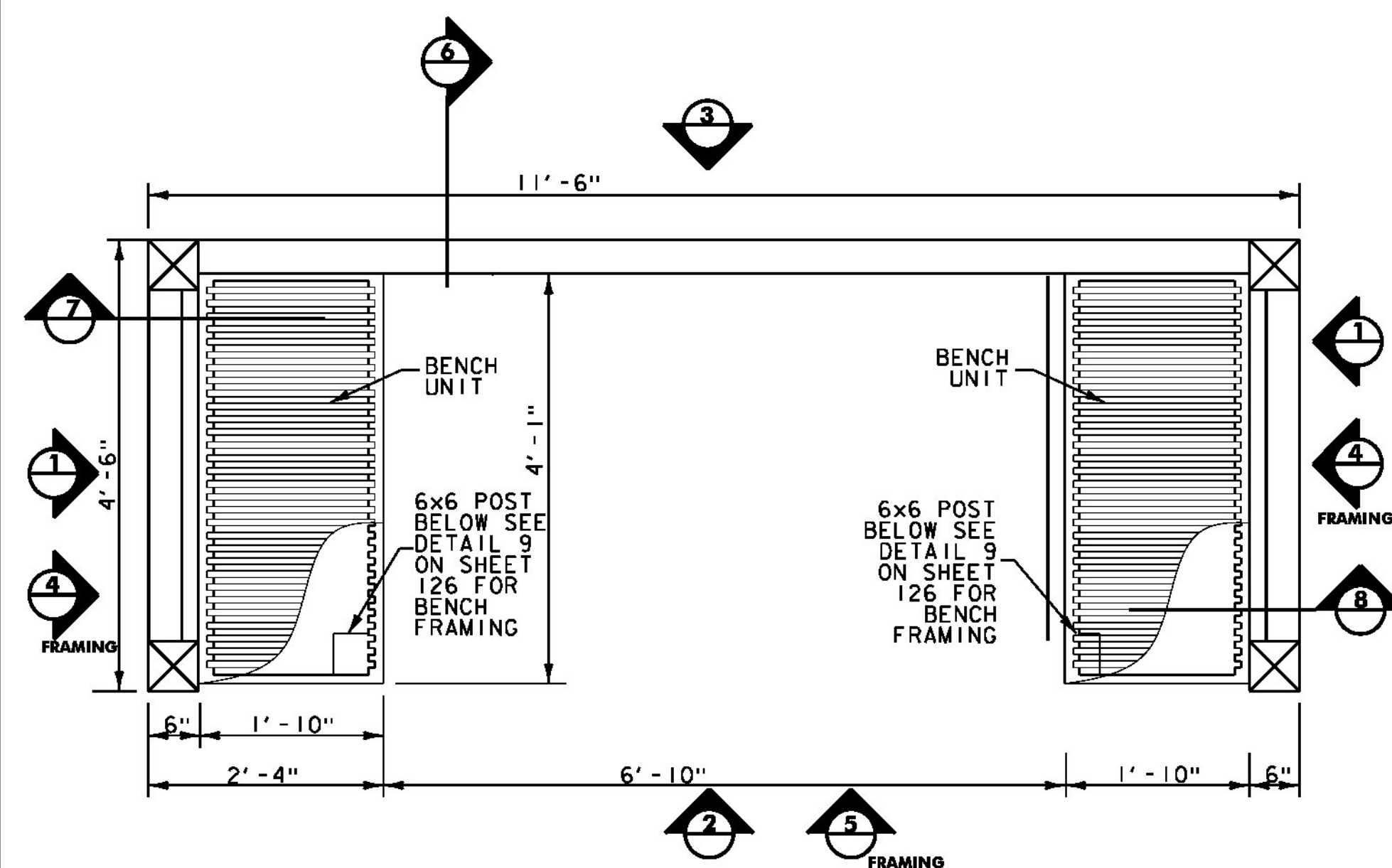
BUILDING FRAME SYSTEMS
LIGHT FRAME WALLS WITH SHEAR PANELS - WOOD STRUCTURAL PANELS
SEISMIC RESPONSE COEFFICIENT (Cs) = 0.049
RESPONSE MODIFICATION FACTOR (R) = 7

ANALYSIS PROCEDURE: EQUIVALEN LATERAL FORCE

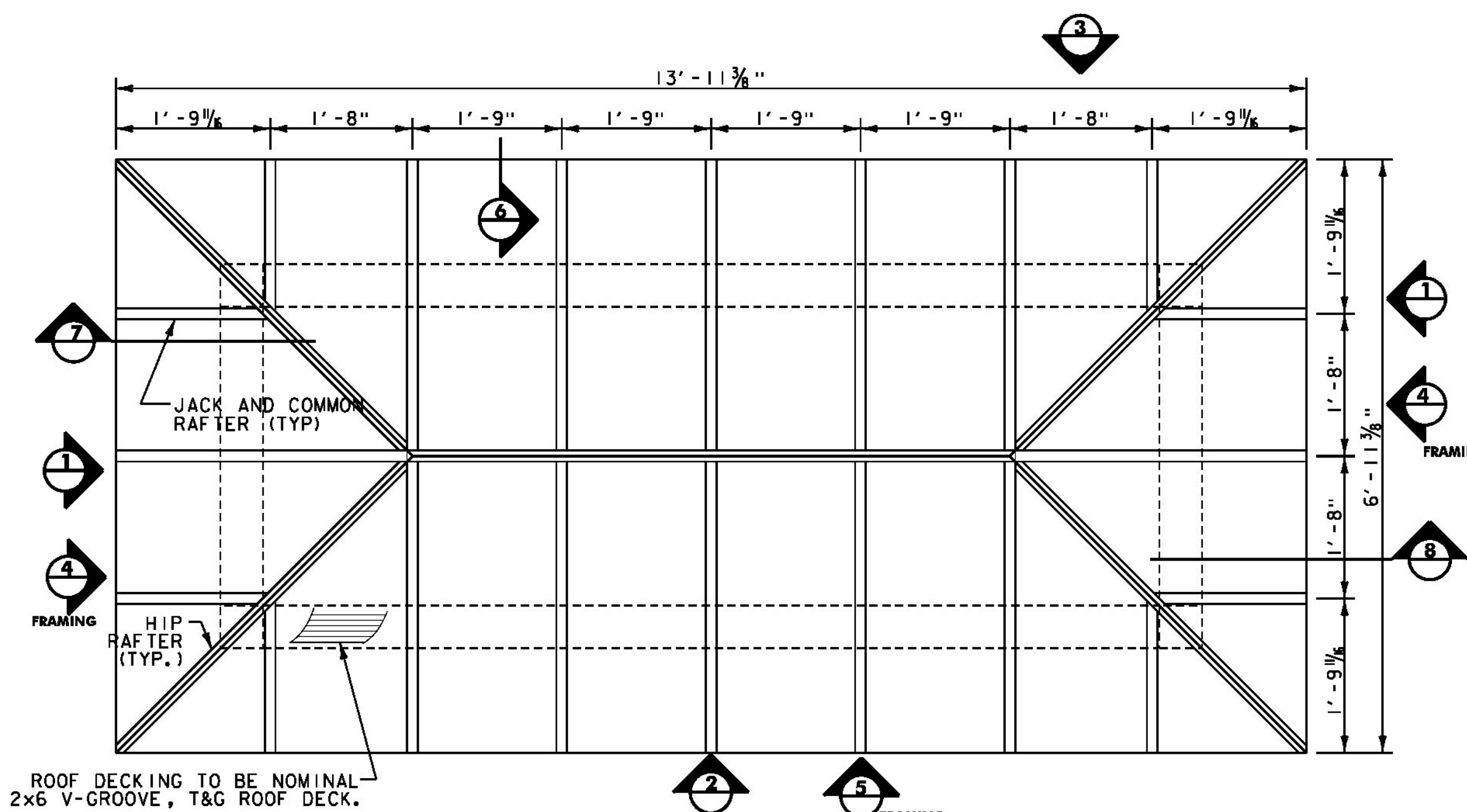
LATERAL DESIGN CONTROL: WIND (V_y); WIND (V_x)

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

PROJECT NAME:	RICHMOND
PROJECT NUMBER:	CMG PARK (31)
FILE NAME:	z97c186shelter.dgn
PROJECT LEADER:	ERIK ATKINS
DESIGNED BY:	C. NORET
BUS SHELTER PLAN, DTLS & ELEVS SHEET 2	127 OF 133
PLOT DATE:	4/29/2013
DRAWN BY:	N. BOSAN
CHECKED BY:	G. BOTAZZI