

Carport Post + Beam Construction

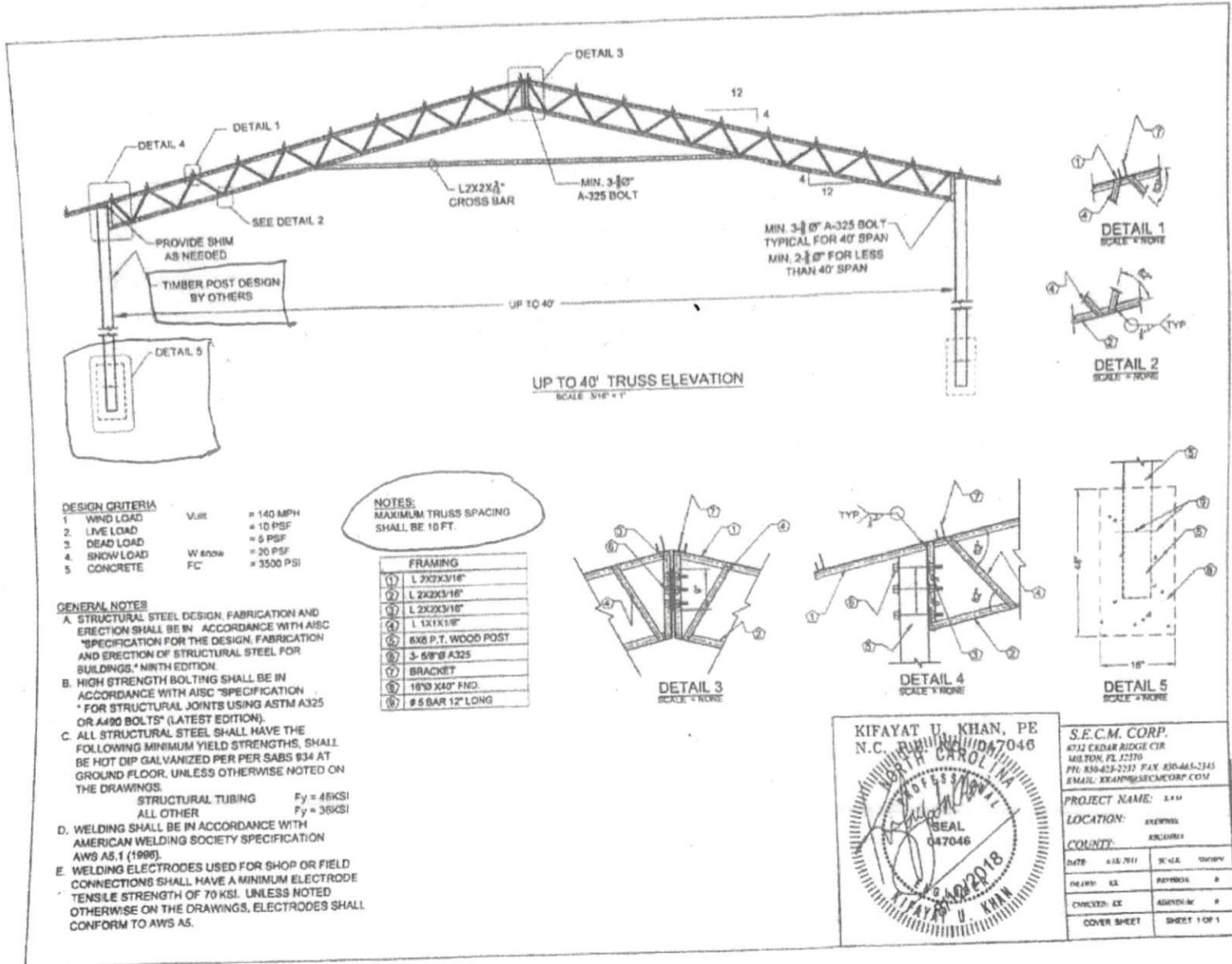
1/8" = 1' Scale

Property Line

Side Set Back

109'

- 1) Upright Posts 4" x 6" 10 ft on center set in 3500 PSI Concrete



**DESIGN CRITERIA**

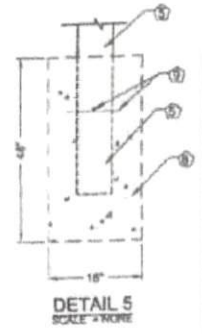
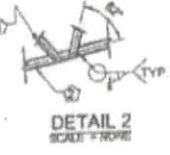
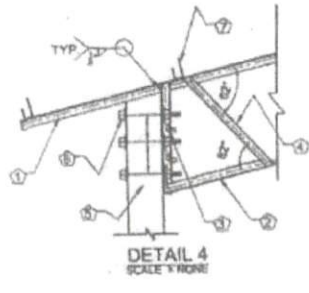
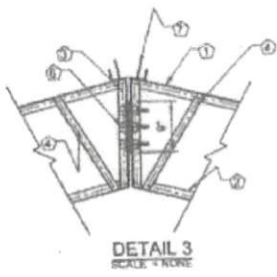
1. WIND LOAD	$V_{ult}$	= 140 MPH
2. LIVE LOAD		= 10 PSF
3. DEAD LOAD		= 5 PSF
4. SNOW LOAD	$W_{snow}$	= 20 PSF
5. CONCRETE	$FC$	= 3500 PSI

**GENERAL NOTES**

- A. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS," NINTH EDITION.
- B. HIGH STRENGTH BOLTING SHALL BE IN ACCORDANCE WITH AISC "SPECIFICATION \* FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" (LATEST EDITION).
- C. ALL STRUCTURAL STEEL SHALL HAVE THE FOLLOWING MINIMUM YIELD STRENGTHS, SHALL BE HOT DIP GALVANIZED PER PER SABS #34 AT GROUND FLOOR, UNLESS OTHERWISE NOTED ON THE DRAWINGS.  
 STRUCTURAL TUBING  $F_y = 46KSI$   
 ALL OTHER  $F_y = 36KSI$
- D. WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION AWS A5.1 (1996).
- E. WELDING ELECTRODES USED FOR SHOP OR FIELD CONNECTIONS SHALL HAVE A MINIMUM ELECTRODE TENSILE STRENGTH OF 70 KSI, UNLESS NOTED OTHERWISE ON THE DRAWINGS, ELECTRODES SHALL CONFORM TO AWS A5.

**NOTES:**  
MAXIMUM TRUSS SPACING SHALL BE 18 FT.

FRAMING	
①	L 2X2X3/16"
②	L 2X2X3/16"
③	L 2X2X3/16"
④	L 1X1X1/8"
⑤	6X6 P.T. WOOD POST
⑥	3-5/8" A325
⑦	BRACKET
⑧	18" X 14" FND.
⑨	#5 BAR 12" LONG



KIFAYAT U. KHAN, PE  
N.C. PROFESSIONAL ENGINEER  
NO. 7048

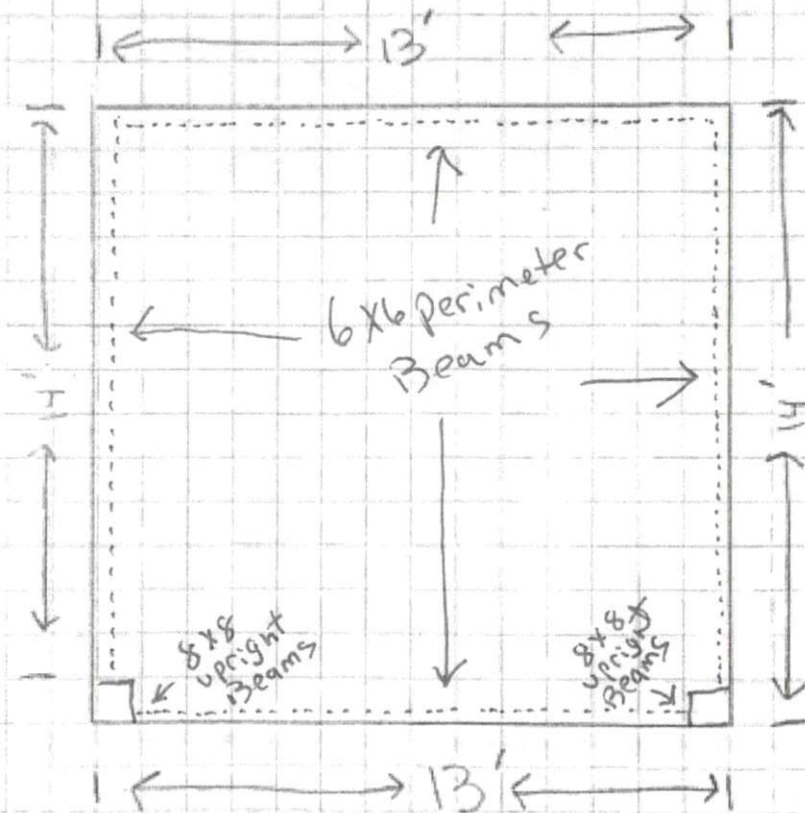
Professional Seal  
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2018

<b>S.E.C.M. CORP.</b>	
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PROJECT NAME:	K&M
LOCATION:	K&M/11
COUNTY:	K&M/11
DATE:	6/15/11
SCALE:	AS SHOWN
DESIGNED BY:	SK
CHECKED BY:	SK
COVER SHEET:	SHEET 1 OF 1

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Roof over Existing porch  
8x8 + 6x6 post + Beam  
construction

Scale  
1/4" = 1 ft



Roof over Existing Porch  
Rafter Layout + Design

Scale 1/4" = 1'-0"

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constructed of 4x6 Beams  
3' on center

