

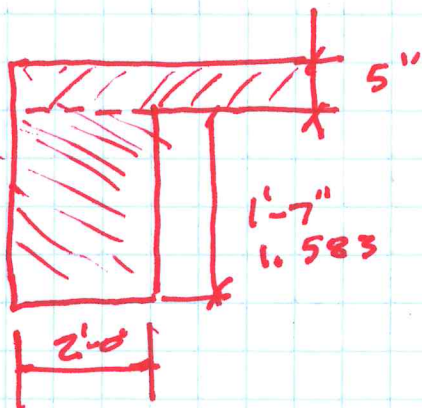
FRAME REACTION TO PILE CAP
 ASSUME SPAN 15 FT

LL = 800 x 15	=	12,000
DL ROOF 185 x 15	=	2775
6 x 12 PURLIN 6.6 x 2 x 15	=	198
6 x 12 RIDGE BM 6.6 x 15	=	99
ARCH WT	=	860
		<hr/>
		15932

SLAB REACTION TO PILE CAP

TRIB AREA 7' x 9' = 63 SF

WL = 63 x 100 = 6300
 GRD BM WT



2 x 1.583 = 3.16 cu ft
 150 x 3.16 = 475 lb/lf

7 + 7 = 14 x 475

6650

SUB WT $\frac{5}{12} \times 150 \times 63$ = 3937.5
 .4166

CONCRETE BLOCK 355 lb/lf x 7 = 2485

 19372.5

35304.5 / 16000 = 2.2 pile

USE 3 PILES

19372.5
 15932

 35304.5