

[illegible]

TOTAL WEIGHT = 59 lb									
[M]									
LUMBER									
N. L. G. A. RULES									
CHORDS									
SIZE									
LUMBER									
DESCR.									
SPF									
SPF									
SPF									
SPF									
ALL WEBS									
2x3									
DRY									
No.2									
SPF									
ALL GABLE WEBS									
2x3									
DRY									
No.2									
SPF									
DRY: SEASONED LUMBER.									
GABLE STUDS SPACED AT 2-0-0 OC.									
PLATES (table is in inches)									
JT TYPE PLATES W LEN Y X									
A TBM1-h MT20 3.0 4.0									
B, C, D, F, G, H									
B TMW+w MT20 2.0 4.0									
E TTW+p MT20 3.0 4.0									
I TBM1-h MT20 3.0 4.0									
J BSW1+H MT18HS 4.0 8.0 Edge									
K, L, M, N, O, P									
K BMW1+w MT20 2.0 4.0									
Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.									
DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER									
BEARINGS									
THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.									
THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.									
BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)									
BRACING									
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.									
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.									
ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.									
LOADING									
TOTAL LOAD CASES: (4)									
CHORDS									
MEMB. MAX. FACTORED FORCE (LBS)									
FACTORED VERT. LOAD LC1 MAX (PLF) CSI (LC)									
MAX. UNBRACED LENGTH									
MEMB. MAX. FACTORED FORCE (LBS)									
MAX. CSI (LC)									
FR-TO FROM TO LENGTH FR-TO									
A- R 0 / 100 -136.6 -136.6 0.08 (1) 10.00 M- E -330 / 0 0.09 (1)									
R- B 0 / 140 -136.6 -136.6 0.22 (1) 10.00 N- D -328 / 0 0.07 (1)									
B- C 0 / 111 -136.6 -136.6 0.21 (1) 10.00 O- C -187 / 0 0.03 (1)									
C- D 0 / 148 -136.6 -136.6 0.11 (1) 10.00 P- B -454 / 0 0.07 (1)									
D- E 0 / 134 -136.6 -136.6 0.11 (1) 10.00 L- F -330 / 0 0.07 (1)									
E- F 0 / 134 -136.6 -136.6 0.11 (1) 10.00 K- G -178 / 0 0.03 (1)									
F- G 0 / 149 -136.6 -136.6 0.11 (1) 10.00 J- H -471 / 0 0.07 (1)									
G- H 0 / 108 -136.6 -136.6 0.23 (1) 10.00 Q- R -162 / 2 0.00 (1)									
H- T 0 / 137 -136.6 -136.6 0.23 (1) 10.00 S- T -125 / 16 0.00 (1)									
T- I 0 / 84 -136.6 -136.6 0.10 (1) 10.00									
A- Q -124 / 0 -18.2 -18.2 0.17 (1) 6.25									
Q- P -107 / 0 -18.2 -18.2 0.17 (1) 6.25									
P- O -124 / 0 -18.2 -18.2 0.11 (1) 6.25									
O- N -129 / 0 -18.2 -18.2 0.02 (1) 6.25									
N- M -135 / 0 -18.2 -18.2 0.02 (4) 6.25									
M- L -135 / 0 -18.2 -18.2 0.01 (4) 6.25									
L- K -129 / 0 -18.2 -18.2 0.02 (4) 6.25									
K- J -124 / 0 -18.2 -18.2 0.02 (4) 6.25									
J- S -99 / 0 -18.2 -18.2 0.16 (1) 6.25									
S- I -116 / 0 -18.2 -18.2 0.16 (1) 6.25									
DESIGN CRITERIA									
SPECIFIED LOADS:									
TOP CH. LL = 40.5 PSF									
DL = 6.0 PSF									
BOT CH. LL = 0.0 PSF									
DL = 7.3 PSF									
TOTAL LOAD = 53.8 PSF									
SPACING = 24.0 IN. C/C									
THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015									
THIS DESIGN COMPLIES WITH:									
- PART 9 OF BCBC 2018 , ABC 2019									
- PART 9 OF OBC 2012 (2019 AMENDMENT)									
- CSA 086-14									
- TPIC 2014									
(55 % OF 58.5 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 40.5 P.S.F. SPECIFIED ROOF LIVE LOAD									
CSI: TC=0.23/1.00 (H-T:1) , BC=0.17/1.00 (P-Q:1) , WB=0.09/1.00 (E-M:1) , SSI=0.20/1.00 (H-T:1)									
DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10									
COMPANION LIVE LOAD FACTOR = 1.00									
TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .									
NAIL VALUES									
PLATE GRIP(DRY) SHEAR SECTION									
(PSI) (PLI) (PLI)									
MAX MIN MAX MIN MAX MIN									
MT20 650 371 1747 788 1987 1873									
MT18HS 586 403 2455 1382 3163 3004									
PLATE PLACEMENT TOL. = 0.250 inches									
PLATE ROTATION TOL. = 5.0 Deg.									
JSI GRIP= 0.73 (E) (INPUT = 0.90)									
JSI METAL= 0.20 (P) (INPUT = 1.00)									

