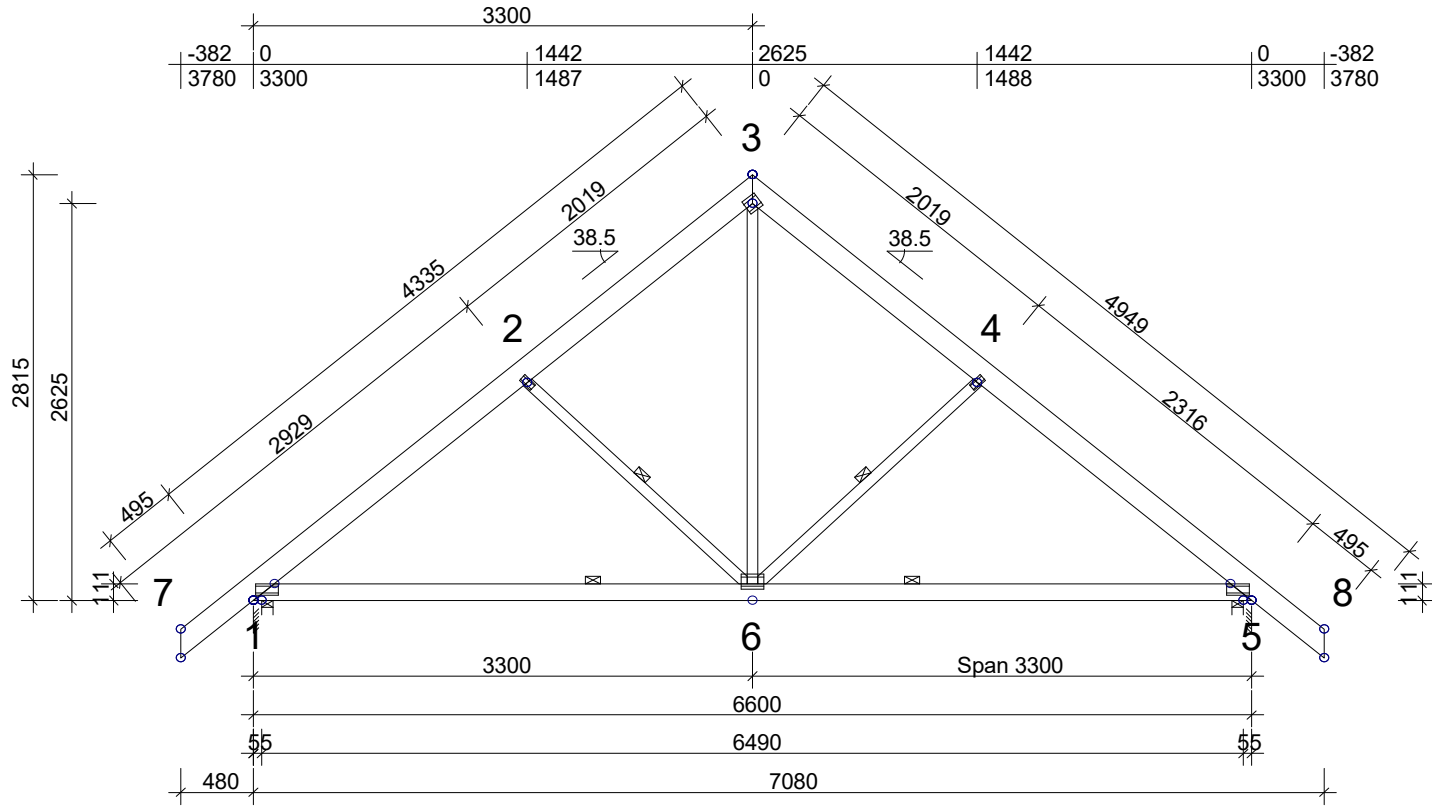


T2 - 33 no. 1-ply  
 X INDICATES BRACED WEB  
 SEE INFO.SHEET ...



**GENERAL DIRECTIONS:**

TRUSS CALCULATED WITH COMPUTER SOFTWARE.  
 "TRUSS" (TG. NR ). LIC.NO: 9500  
 FORCES HAVE BEEN CALCULATED ACCORDING TO  
 1 ORDER DEFORMATION THEORY.  
 CODE TIMBER: SANS 0163-2 (2001)  
 CODE FASTENER: SANS 0163-2 (2001)

**GENERAL SETTINGS:**

TIMBER THICKNESS: (mm) 36  
 TRUSS CENTRES: (mm) 760

**LOADS (N/m²):**

T/C LIVE LOAD: 454  
 WIND LOAD: 400  
 LIVE LOAD: NO 1 FREE 0

DEAD LOADS: SEE TIMBER TABLE  
 OTHER LOADS AS PER CALC. PRINT-OUT

**SUPPORT REACTIONS (N/kNm):**

JOINT NO	DIR.	LC L MAX	LC M MAX	LC S MAX	LC VS	SUP-W. MM
1	Vert	2346	0	3651	493	32
5	Vert	2346	0	3651	493	32

FASTENER LOCATION TOLERANCE: 10 mm

TIMBER:					
TRUSS FROM - TO	DEPTH mm	GRADE	BRACING mm/pcs	LOAD N/m²	CSI %
3-7	149	SAP5	320	510	39
3-8	149	SAP5	320	510	36
5-1	111	SAP5	2600	120	41
3-6	73	SAP5	None		19
2-6	73	SAP5	1 pcs		11
4-6	73	SAP5	1 pcs		11

FASTENERS - SPLICES EXCL:					
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %	
1	TRIPLT	75	150	89	
2	TRIPLT	50	100	67	
3	TRIPLT	100	100	77	
4	TRIPLT	50	100	67	
5	TRIPLT	75	150	89	
6	TRIPLT	100	150	82	

FASTENERS - SPLICES:					
JOINT NO	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %	

**TOTAL NUMBER OF FAILED PLATES = 0**

**MAX DEFORMATION (mm):**

JOINT NO	VERT.	HORIZ.	LC NO.
2-3	2.5	1.5	3
3-4	2.2	-0.5	2
5	0.0	0.9	2

FOR DEFORMATION AT OTHER POINTS - SEE CALC.PRINTOUT

VERSION: 23.120  
 TIME: 11.01



DRAWN BY: THAGERN  
 CHECKED: [ ]  
 JOB NO. 1314TG  
 14.10.2021  
 LIC: D861BD87C78CE1

UMKOMAAS PRIMARY SCHOOL  
 48 BISSET ROAD  
 UMKOMAAS  
 GRADE 1 & 2 CLASS BLOCK

SCALE 1:0

CODE TYPE NO. [ ] DRAWING NUMBER 1314TG - ASR - 04 [ ] REG. [ ]