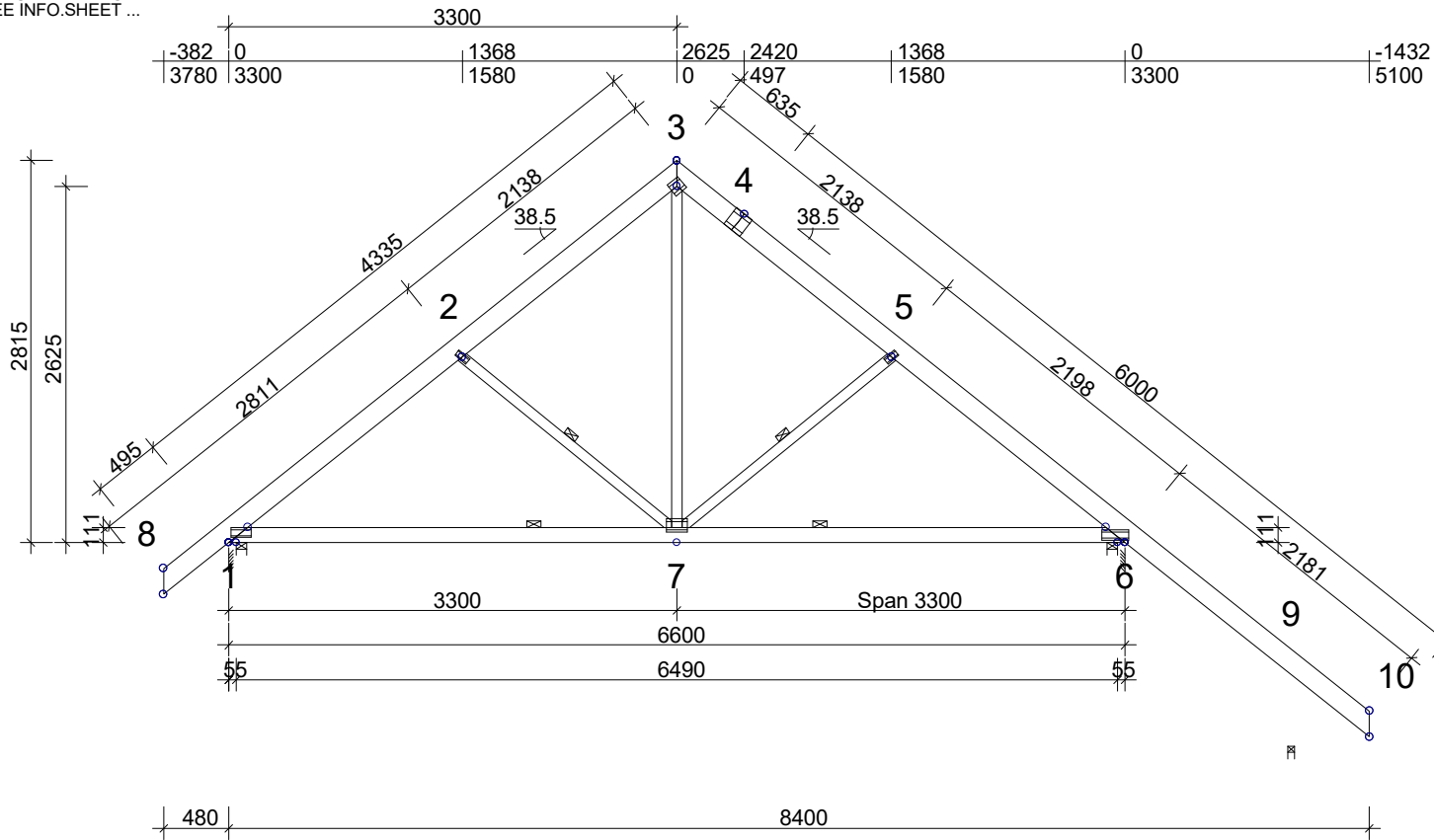


INDICATES BRACED WEB
SEE INFO.SHEET ...



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: | 438 |
| 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 | Hori | 0 | 0 | 0 | 319 | |
| 1 | Vert | 2345 | 0 | 3609 | 486 | 32 |
| 6 | Vert | 2432 | 0 | 3682 | 775 | 32 |
| 9 | Vert | 739 | 0 | 1180 | -99 | 7 |

FASTENER LOCATION TOLERANCE: 10 mm

| TIMBER: | | | | | |
|-----------------|----------|-------|----------------|-----------|-------|
| TRUSS FROM - TO | DEPTH mm | GRADE | BRACING mm/pcs | LOAD N/m² | CSI % |
| 3-8 | 149 | SAP5 | 320 | 510 | 35 |
| 3-10 | 149 | SAP5 | 320 | 510 | 42 |
| 6-1 | 111 | SAP5 | 2600 | 120 | 43 |
| 5-7 | 73 | SAP5 | T(1 pcs) | | 11 |
| 3-7 | 73 | SAP5 | None | | 18 |
| 2-7 | 73 | SAP5 | 1 pcs | | 11 |

| FASTENERS - SPLICES EXCL: | | | | | |
|---------------------------|------------|----------|-----------|-------|--|
| JOINT NO | PLATE TYPE | WIDTH mm | LENGTH mm | CSI % | |
| 1 | TRIPLT | 75 | 150 | 88 | |
| 2 | TRIPLT | 50 | 100 | 68 | |
| 3 | TRIPLT | 100 | 100 | 73 | |
| 5 | TRIPLT | 50 | 100 | 68 | |
| 6 | TRIPLT | 75 | 200 | 86 | |
| 7 | TRIPLT | 100 | 150 | 84 | |

| FASTENERS - SPLICES: | | | | | |
|----------------------|------------|----------|-----------|-------|--|
| JOINT NO | PLATE TYPE | WIDTH mm | LENGTH mm | CSI % | |
| 4 | TRIPLT | 150 | 150 | 32 | |

TOTAL NUMBER OF FAILED PLATES = 0

MAX DEFORMATION (mm):

| JOINT NO | VERT. | HORIZ. | LC NO. |
|----------|-------|--------|--------|
| 10 | 2.5 | -1.6 | 5 |
| 6-7 | 2.5 | 0.4 | 5 |
| 2-3 | 2.5 | 1.4 | 2 |

FOR DEFORMATION AT OTHER POINTS - SEE CALC.PRINTOUT

VERSION: 23.120
TIME: 10.50



DRAWN BY: THAGERN
CHECKED: []
JOB NO: 1314TG
DATE: 14.10.2021
LIC: D861BD87C8CE1

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

SCALE 1:0

CODE TYPE NO. [] DRAWING NUMBER 1314 TG - ASR - 03 REG. []