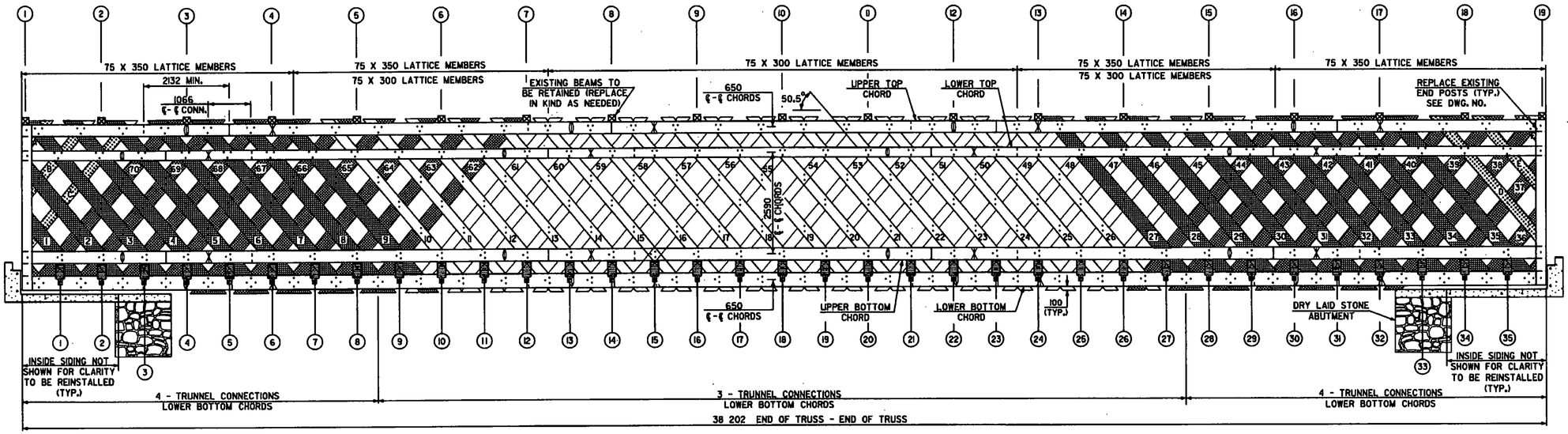
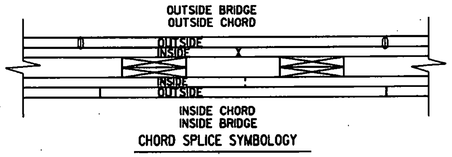
Metric




## TYPICAL TRUSS ELEVATION

0 100 200 400

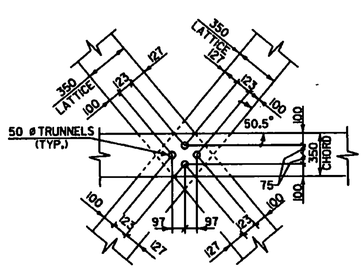
SCALE 1:50




CHORD SPLICE SYMBOLOGY

LEGEND

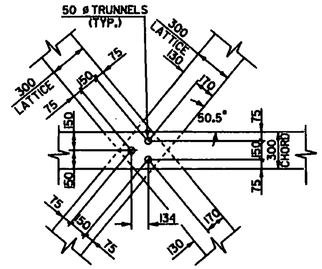
- INSIDE CHORD INSIDE JOINT
- INSIDE CHORD OUTSIDE JOINT
- OUTSIDE CHORD OUTSIDE JOINT
- OUTSIDE CHORD INSIDE JOINT
- USE EXISTING LATTICE MEMBERS
- 75X350 LATTICE MEMBERS
- 75X300 LATTICE MEMBERS
- XX - LATTICE NUMBER OR LETTER




LOWER BOTTOM CHORD
4 TRUNNEL CONNECTION

0 4 8 12

SCALE 1:20




UPPER BOTTOM CHORD
3 TRUNNEL CONNECTION

0 4 8 12

SCALE 1:20

NOTES FOR TRUNNEL CONNECTIONS:

1. HOLE POSITION IN GROUP TO BE AS INDICATED.
2. MINIMUM EDGE DISTANCE IN 4 TRUNNEL CHORD CONNECTION - 100.
   MINIMUM EDGE DISTANCE IN 3 TRUNNEL CHORD CONNECTION - 75.
   MINIMUM EDGE DISTANCE IN LATTICE CONNECTIONS - 100.
3. A MINIMUM OF 1/3 TRUNNELS IN EACH CONNECTION TO BE DRIVEN FROM OPPOSITE SIDES.
4. TOP CHORDS AND LATTICE JOINTS SIMILAR.

NOTES

1. UPPER BOTTOM CHORDS TO BE FULL SAWN 75 X 300 LUMBER.
2. LOWER BOTTOM CHORDS TO BE FULL SAWN 100 X 350 LUMBER.
3. UPPER TOP CHORD TO BE FULL SAWN 75 X 300 LUMBER.
4. LOWER TOP CHORD TO BE FULL SAWN 75 X 250 LUMBER.
5. LATTICE MEMBERS TO BE FULL SAWN 75 X 350 LUMBER TO 10 M +/- FROM EACH END OF TRUSS, AS SHOWN.
6. LATTICE MEMBERS IN CENTER OF TRUSS TO BE FULL SAWN 75 X 300 LUMBER.
7. MAXIMUM CHORD LENGTH = 9594, CHORD SPLICES STAGGERED AS SHOWN.
8. FOR CHORD MEMBER NUMBERING PLAN VIEWS, SEE SHT. NO. 14.
9. FOR DETAILS OF END POST, SEE SHT. NO. 15.

DATUM

VERTICAL _____

HORIZONTAL _____

# STATE OF VERMONT
## AGENCY OF TRANSPORTATION

| | |
|---|---|
| Town Of BENNINGTON | Bridge No. 31 |
| Highway No. T.H. #19 (MURPHY ROAD) | Log Sta. |
| | Surv. Sta. |

PAPER MILL COVERED BRIDGE REHABILITATION

REPLACEMENT TRUSS ELEVATION

| | |
|---|---|
| Designed By J. MIECZKOWSKI | Drawn By K. NICHOLS |
| Checked By J. MIECZKOWSKI Date 5/99 | Bridge Design Supervisor P. MALACHOWSKI Date 5/99 |
| PROJECT BENNINGTON | PROJECT NO. BHZ 1441(18) |
| L.O.C. Info. m:\19548110\struct\1441plate.dgn | |
| Bridge Sheet No. | Sheet 13 of 22 |

05-MAY-1999