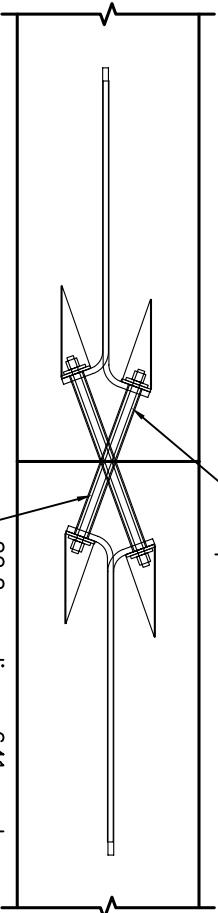
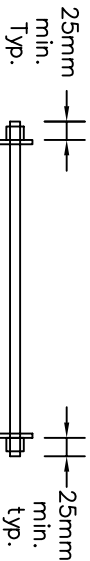


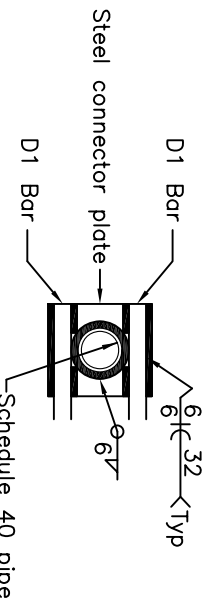
END JOINT RECESSED LEAVE OUTS DETAIL



22.2mm dia. x 641mm long
ASTM A193 Grade B7 threaded connection rod with steel plate washer and nut on each end, Note 1



CONNECTION ROD DETAIL



STEEL CONNECTOR PLATE DETAILS

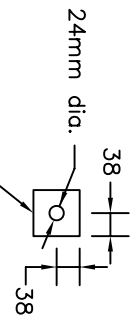
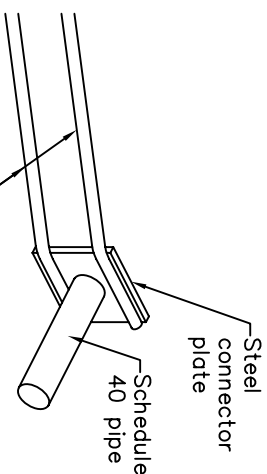
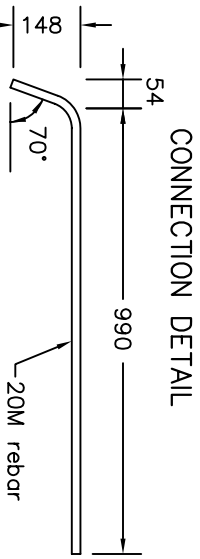


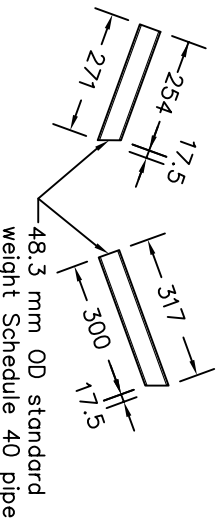
PLATE WASHER DETAIL



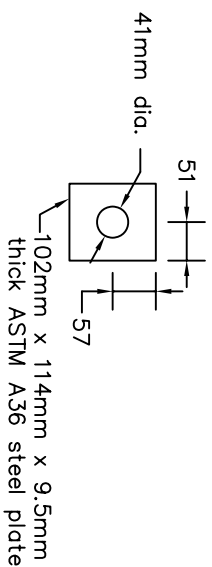
CONNECTION ASSEMBLY



CONNECTION DETAIL



SCHEDULE 40 PIPE



STEEL CONNECTOR PLATE DETAIL

NOTES:

- The connection hardware shall not extend beyond the concrete face of the barrier at the leave-outs.
- The connection hardware shall not extend beyond the concrete face of the barrier at the leave-outs.
- Welds shall be according to CSA W59 and CSA W186.
- Steel reinforcement shall be Grade 400W according to CAN/CSA G30.18 with a minimum yield strength of 420 MPa.
- All dimensions are in millimetres unless otherwise shown.

MINISTRY OF TRANSPORTATION ONTARIO DRAWING

February 2018

Rev 1

GUIDE RAIL SYSTEM, CONCRETE BARRIER

TYPE X CONNECTION

COMPONENTS

MTOD - 911.191