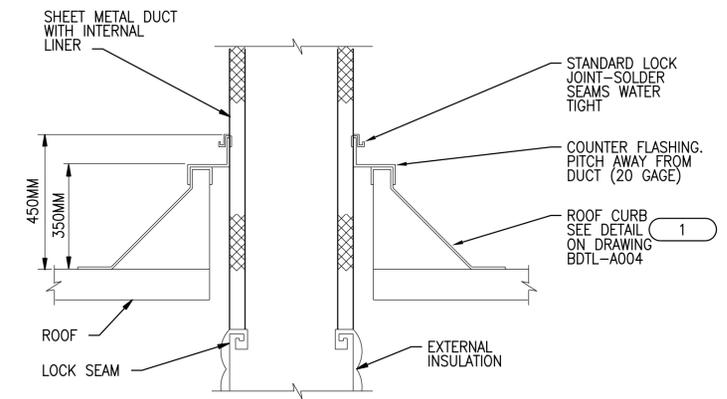
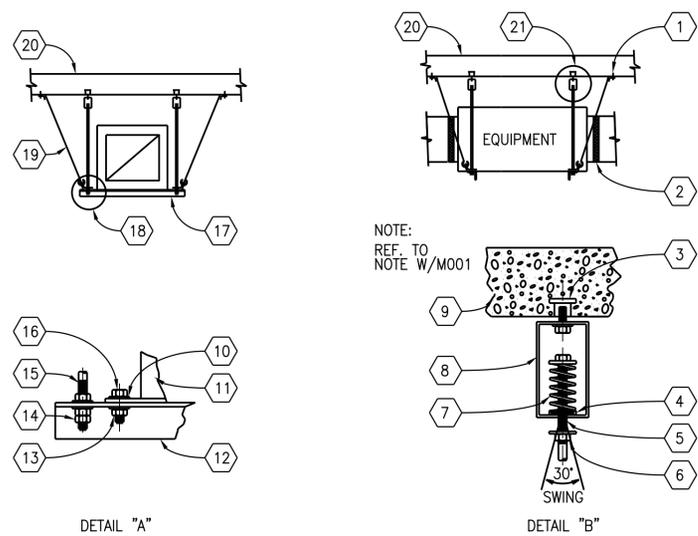


- 1. 20MM
- 2. 12MM
- 3. LOW LEVEL SIGNAL
- 4. PRESSURE RELIEF VALVE
- 5. PRESSURE SWITCH
- 6. CHECK VALVE
- 7. GLYCOL PUMP
- 8. AIR CHARGING CONNECTION
- 9. EXPANSION TANK
- 10. 12MM ANCHOR BOLTS, 100MM MIN EMBEDMENT, TYP OF 3
- 11. PGS TO PUMP SUCTION
- 12. GLYCOL FEED TANK
- 13. SHUT-OFF VALVE WITH LOCK SHIELD
- 14. AIR SEPARATOR
- 15. 150MM CONCRETE PAD, TYP OF 3
- 16. FINISHED FLOOR, TYP OF 3
- 17. AUTOMATIC AIR VENT
- 18. FLOOR SUPPORT WHERE AIR SEPARATOR IS LARGER THAN 75MM.
- 19. FROM GR SYSTEM.

GLYCOL FEED/EXPANSION TANK/AIR SEPARATOR PIPING (2321-450)
NTS

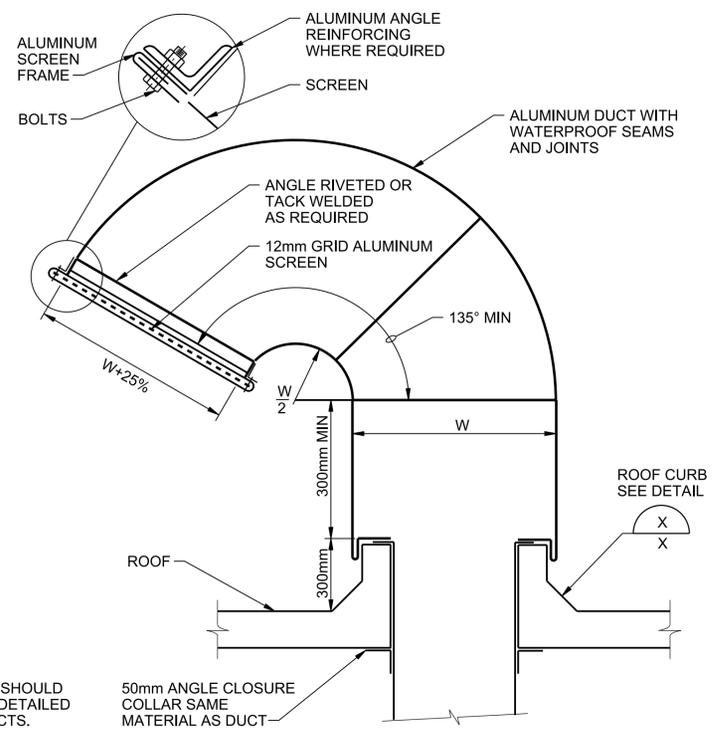


INSULATED DUCT THROUGH ROOF (2305-807)
NTS



- 1. ANCHOR BOLT
- 2. FLEXIBLE CONNECTION (TYP)
- 3. INSERT
- 4. NEOPRENE SPRING CUP
- 5. 10MM STEEL ROD
- 6. PRECOMPRESSION PLATE NUT
- 7. 25MM DEFLECTION STEEL SPRING AND RUBBER IN SHEAR ISOLATOR
- 8. SPRING HOUSING
- 9. CONC SLAB
- 10. WASHER (TYP)
- 11. EQUIPMENT
- 12. SUPPORT ANGLE 38MM x 38MM x 6MM
- 13. LOCKNUT
- 14. NUT (TYP)
- 15. 10MM STEEL ROD
- 16. EQUIPMENT ANCHOR POINT 13MM DIA BOLT (MIN 4 PLCS)
- 17. SUPPORT FRAME
- 18. SEE DETAIL "A"
- 19. SLACK AIRCRAFT CABLE (TYP FOR 3)
- 20. STRUCTURE
- 21. SEE DETAIL "B" (TYP FOR 4)

SPRING ISOLATED EQUIPMENT MOUNTING (2305-201)
NTS

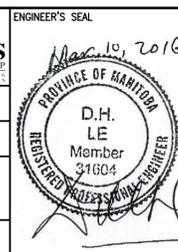


GOOSENECK ROOF INTAKE OR DISCHARGE (2337-402)
NTS



00	ISSUED FOR ADD. 4 - B.O. 899-2015	03/2016	K.F.	J.C.
NO.	REVISIONS	DATE	DESIGN	CHECK

CH2MHILL	
DESIGNED BY: D. LE	CHECKED BY: T. TRAN
DRAWN BY: K. FONG	APPROVED BY: H.T. FREIHAMMER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2016/03/10	DATE: 2016/03/10
CONSULTANT NO.: 474248	



THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPC UPGRADING/EXPANSION PROJECT
MECHANICAL
HVAC
STANDARD DETAILS (6)

CITY DRAWING NUMBER: 1-0102-MDTL-A010
SHEET: 00 REV: A1 SIZE: A1