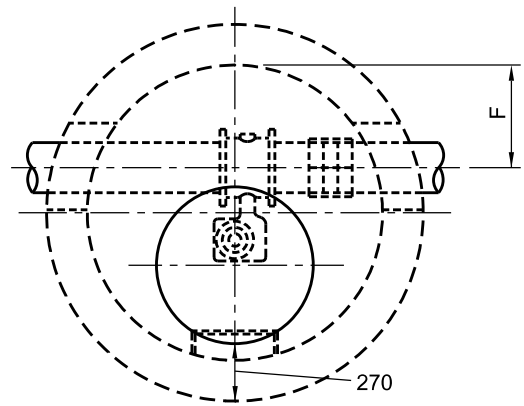
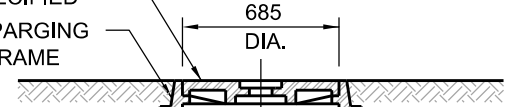


DIMENSION	100-250 mm WATER MAIN	300-400 mm WATER MAIN
A	1200	1500
B	127	150
C	400	550
D	600	750
E	900	1050
F	400	550
G	200	300
H	200	300



**PLAN**

FRAME & COVER AS SPECIFIED  
15 mm PARGING OVER FRAME



MAX. 300mm OF BRICK OR PRECAST ADJUSTMENT UNITS

PRECAST CAP

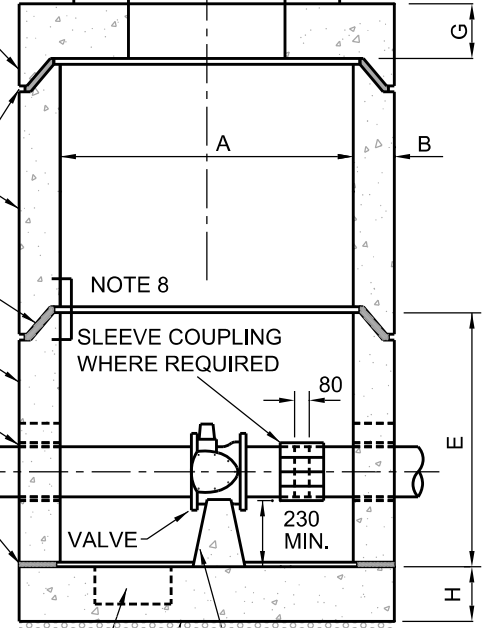
PRECAST RISER SECTION AS REQUIRED

PRESSURE SEAL GASKETS

PRECAST CHAMBER SECTION

FLEXIBLE SEALANT MATERIAL

MORTAR JOINT

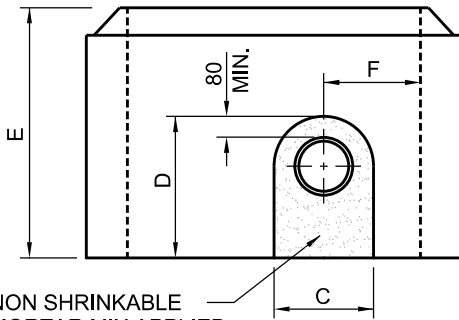


MIN. 80 mm OF COMPACTED GRANULAR A  
300 mm x 300 mm x 150 mm DEEP SUMP  
UNDISTURBED GROUND

CONCRETE VALVE SUPPORT

PRECAST BOTTOM SECTION CAST IN PLACE BOTTOM SLAB REINFORCING OF 15 M @ 300 mm (BOTH WAYS) UNLESS OTHERWISE SPECIFIED

**CROSS - SECTION**



NON SHRINKABLE MORTAR MIX APPLIED WITH BONDING AGENT

**WALL OPENING DETAIL**

**NOTES:**

1. PRECAST SECTIONS TO BE MANUFACTURED TO ASTM C-478 SPECIFICATIONS.
2. BASE AND VALVE SUPPORT CONCRETE STRENGTH - 32 MPa.
3. ALL MORTAR TO BE 1:3 CEMENT & SAND MIX.
4. ALL JOINTS AND LIFT HOLES IN CHAMBER SECTIONS TO BE FILLED WITH MORTAR AND POINTED BEFORE BACKFILLING.
5. ALUMINUM STEPS AS PER DWG. No. OPSD 405.020 AT 300 mm C.C.
6. FIRST STEP TO BE 75 mm TO 300 mm BELOW FRAME. LAST STEP TO BE 300 mm ABOVE BENCHING OR 600 mm ABOVE INVERT IF NO BENCHING.
7. POLYETHYLENE BOND BREAKER TO BE USED BETWEEN CONCRETE AND FITTINGS.
8. ALL BRICKWORK (EXTERIOR) TO BE PARGED - 15 mm MIN.
9. PROVIDE FROST LUGS IF JOINT IS LESS THAN 1200 mm BELOW GRADE.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING AND CONSTRUCTION SERVICES STANDARD DRAWING

REV 2

APR 2014

**PRECAST BUTTERFLY VALVE CHAMBER**  
400 mm DIAMETER WATER MAINS AND SMALLER

**T-1101.030-1**

NTS

SHEET 1