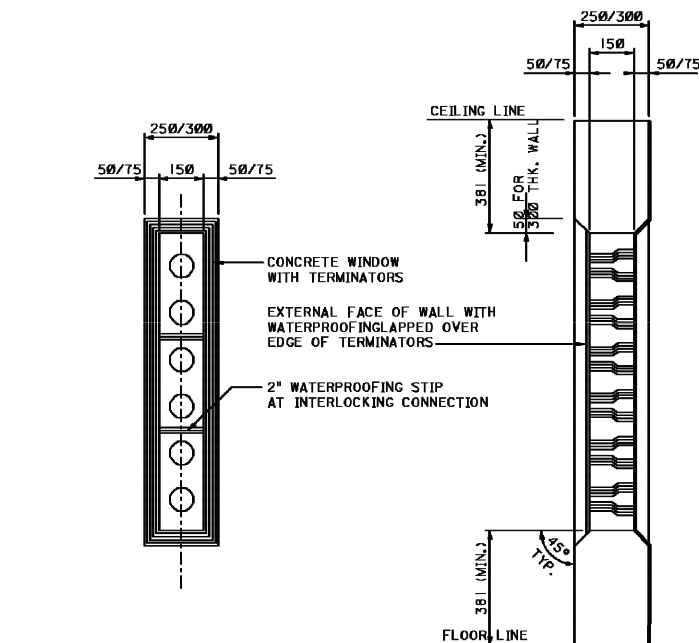
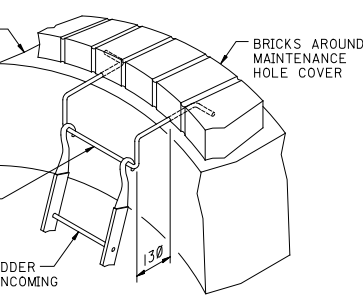
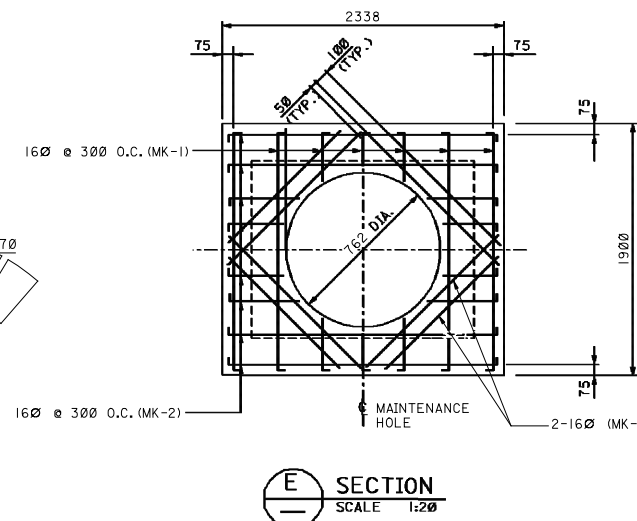
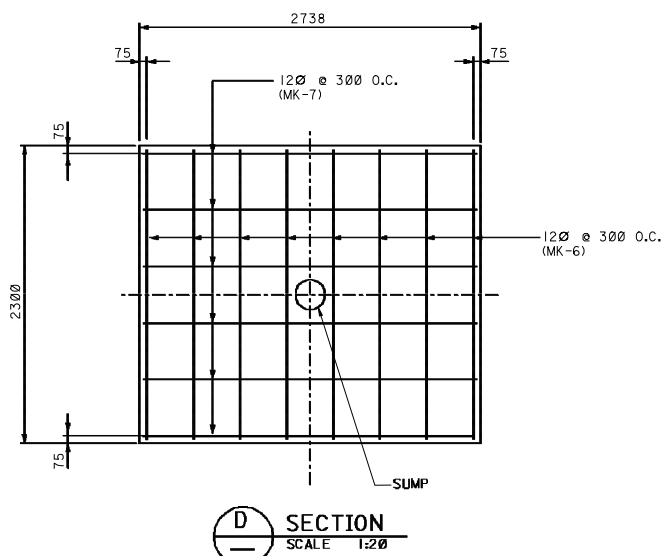
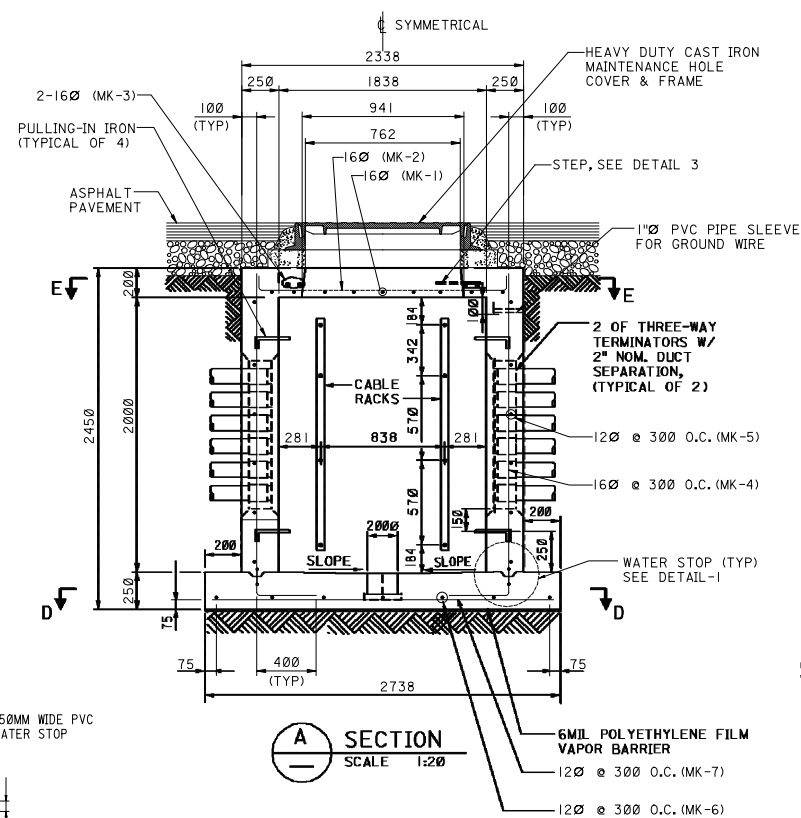
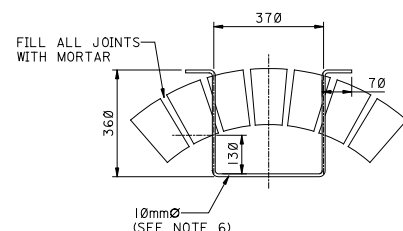
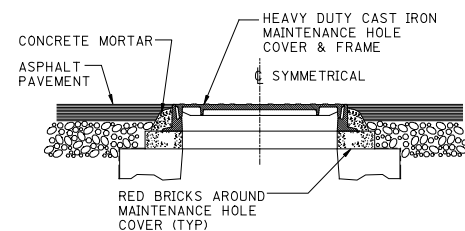
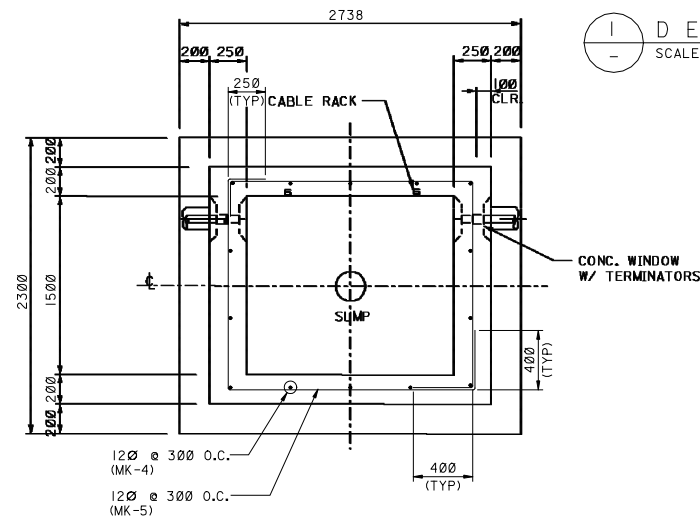
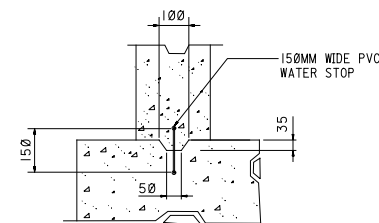
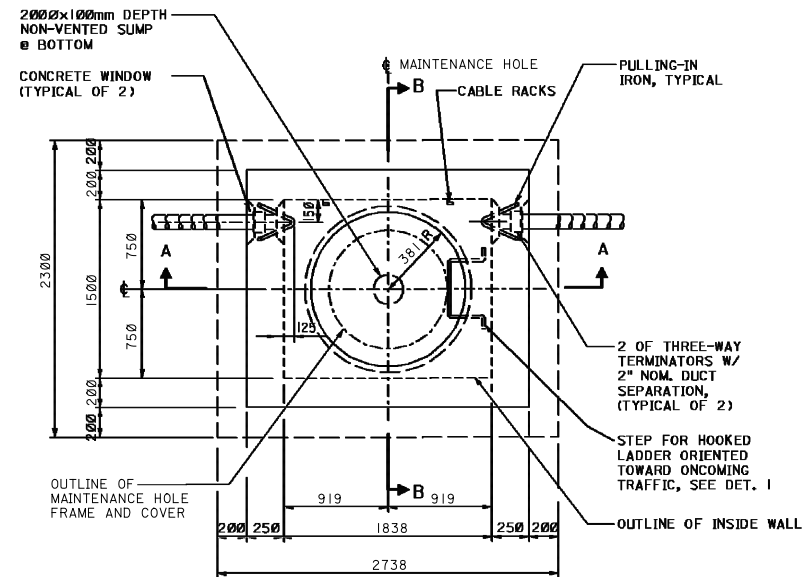




- NOTES: (CONTINUATION)
- SAND OR SELECT MARL HAVING NO ROCKS EXCEEDING 5mm Ø SHALL BE USED FOR BACKFILL.
 - CONCRETE SHALL NOT BE PLACED UNTIL THE FORMS REINFORCING STEEL, BRAID, PLASTIC INSERT CHANNELS, DUCT TERMINATORS, PULLING-IRONS, STEP FOR HOOKED LADDER ETC. HAVE BEEN INSPECTED BY THE ARAMCO COMMUNICATION INSPECTOR.
 - TWO LAYERS OF BITUMINOUS COATING SHALL BE APPLIED TO ALL SURFACES, IN DIRECT CONTACT WITH SOIL OF REINFORCED CONCRETE ELEMENTS BELOW GRADE AFTER 14 DAYS (MIN) CURING.
 - 6ML (0.15mm) THK POLYETHYLENE SHEET VAPOR BARRIER SHALL BE PLACED UNDER THE SLABS IN DIRECT CONTACT WITH SOIL.

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - DESIGN, FABRICATION, AND CONSTRUCTION SHALL COMPLY WITH SAES-0-001. PRECAST CONCRETE SHALL ALSO COMPLY WITH SAES-0-012.
 - EXCAVATION AND BACKFILL SHALL COMPLY WITH SAES-A-114.
 - ORIGINAL DESIGN LOADING WAS CALCULATED USING A CLASS H-20-40 TRUCK WITH MAXIMUM AXLE LOAD OF 85 KN (19.07 KIPS).
 - REVISED DESIGN LOADING WAS CALCULATED USING A CLASS HS-20 TRUCK WITH MAXIMUM WEIGHT OF 40 TONS & AXLE LOAD OF 170.06 KN (38.14 KIPS).
 - 10mmØ ROUND STEEL BAR STEPS SHALL BE SET SO THAT LEGS EXTEND THROUGH BRICKWORK OR GRADE RINGS.
 - TYPE V PORTLAND CEMENT SHALL BE USED.
 - REINFORCING STEEL SHALL CONFORM TO ASTM-615 GRADE 50 WITH A MINIMUM YIELD STRENGTH, $F_y=345$ MPa (50,000 PSI). BARS SHALL BE EPOXY COATED IN ACCORDANCE WITH 09-SAMSS-106. ALL REINFORCING BARS SHALL COMPLY WITH SASO SSA2/ 1979.
 - FABRICATION AND INSTALLATION OF FBE COATED REBAR SHALL BE IN ACCORDANCE WITH SAES-0-001 AND 09-SASS-106.
 - REBAR SPACING MAYBE ADJUSTED SLIGHTLY IN THE FIELD TO AVOID CUTTING THE REBARS DUE TO PLACEMENT OF TERMINATOR BANKS.
 - REBAR SHALL BE CUT ONLY BY BAR CROPPER OR HACKSAW.

LEGEND	
TYP	TYPICAL
EQ	EQUAL
OC	ON CENTER
CLR	CLEAR

REFERENCE DRAWINGS	
BAR BENDING SCHEDULE	AA-036794.004

REVISION VALIDATION	
THIS REVISION NO. 04 IS COVERED FOR ALL APPROVAL AND CERTIFICATION REQUIREMENTS, PER SAEP-334, UNDER DRAWING COMPLETION CERTIFICATE NO. 00-00000-0000-000	
DESIGN CERTIFICATION (DESIGN AGENCY)	REVIEW FOR KEY DRAWINGS (SAUDI ARAMCO)
ENGR./DATE	CERTIFIED BY/DATE
ENGR./DATE	REVISION DESCRIPTION
04	
JOB ORDER/EWO NO. 00-00000-0000	THIS REVISION IS NOT TO BE USED FOR CONSTRUCTION UNTIL CERTIFIED AND DATED

SAUDI ARABIAN OIL COMPANY	
STD COMMS MAINTENANCE HOLE	EQA
SERVICE MAINTENANCE HOLE (20 TONS)	
PLAN AND SECTION	
STD. DWG.	SAUDI ARABIA
PLANT NO.	INDEX
990	T
DRAWING NUMBER	SHT. NO.
AA-036794	001
REV. NO.	REV. NO.
04	04