4'–6" x 8'–6" VERIZON MANHOLE x 6'–6" DEEP

NOTES:

- MANHOLE DESIGNED IN ACCORDANCE WITH AASHTO H–20–44 TRAFFIC BRIDGE LOADING USING 5,500 PSI [37.92MPa] COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI [413.2MPa] YIELD STRENGTH ASTM A–706 STEEL REINFORCEMENT PER CALC. #31663.
- MANHOLE TO BE PLACED ON A 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
- LIMIT OF COVER OVER ROOF SECTION IS 1'–6" TO 4'–0".
- ALL WALLS AND CEILING SHALL BE PAINTED WHITE.

THE FOLLOWING MATERIALS ARE TO BE SHIPPED WITH THE MANHOLE.
(a) 7/8" x 1 3/4" GASKET (45 Ft. REQUIRED).

ORDERING INFORMATION
K4686–FM78–13 FOR ASSEMBLY AS SHOWN.
PER VERIZON SPEC.
TOTAL WEIGHT OF ASSEMBLY IS 19,106 Lbs.

1. UV4686–B39–13, 39" BOTTOM SECTION.WT.9,753 Lbs.
2. UV4686–T39–13, 39" TOP SECTION.WT.9,353 Lbs.
3. 12" DIA. x 13" DIA. x 4" DEEP SUMP W/GALV. SUMP COVER (06–2102). LOCATE AS FOLLOWS: BOTTOM SECTION, (1) CORE MTD.
4. 13" x 26" K.O. x 1 5/8" DEEP. DRAFT AS FOLLOWS: T=1/2", S1=1/2", S2=1/2", B=0". LOCATE AS FOLLOWS: BOTTOM SECTION, (2) SHELL MTD.; ROOF SECTION, (2) SHELL MTD.
5. 6" x 37 1/2" K.O. x 3 1/2" DEEP. DRAFT AS FOLLOWS: T=2", S1=1", S2=1", B=0". LOCATE AS FOLLOWS: ROOF SECTION, (2) SHELL MTD.
6. 4" DIA. CONTERM SCH.40. LOCATE AS FOLLOWS: BOTTOM SECTION, (16) SHELL MTD.; ROOF SECTION, (16) SHELL MTD.
7. 4 1/4" DIA. x 5 1/4" DIA. x 4" DEEP KNOCK OUT. LOCATE AS FOLLOWS: ROOF SECTION, (12) SHELL MTD.
8. 7/8" DIA. GALV. PULL IRON. LOCATE AS FOLLOWS: BOTTOM SECTION, (2) CORE MTD.
9. 1/4" BRONZE GROUNDING INSERT ATTACHED TO REBAR CAGE WITH WIRE. LOCATE AS FOLLOWS: BOTTOM SECTION, (2) CORE MTD.; ROOF SECTION, (2) CORE MTD.
10. 1/2" I–5000 PLASTIC INSERT. LOCATE AS FOLLOWS: ROOF SECTION, (28) CORE MTD.; BOTTOM SECTION SECTION, (28) CORE MTD.
11. 1/4" P–15–T INSERT WITH 1/4"–20NC x 1" ZINC HEX HEAD BOLT. LOCATE AS FOLLOWS: BOTTOM SECTION, (2) CORE MTD.; ROOF

GENERAL NOTES:

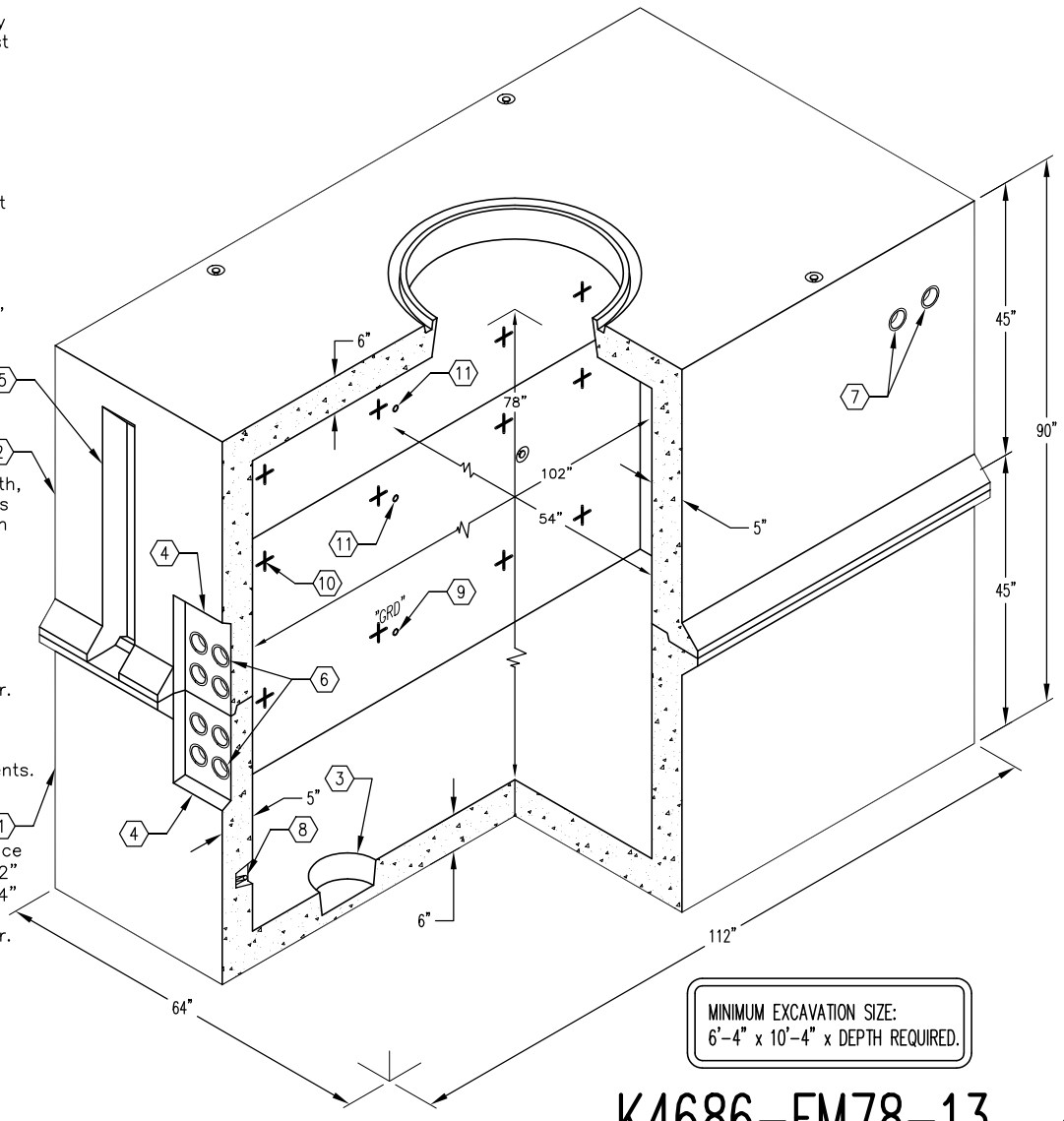
1. Minimum soil bearing capacity is hereby assumed to be 2000 PSF unless otherwise documented by a geotechnical report that shall be provided to BrooksJensen Precast by the end user. BrooksJensen Precast shall not be held responsible for the soil bearing capacity.
2. Installation of Manholes, Vaults, Handholes, Meter Boxes etc. will be as per BrooksJensen installation procedures.
3. Structural modification to the BrooksJensen line of products is not permitted without prior written approval from BrooksJensen Engineering Department.
4. Do not scale the drawings, verify all dimensions including rough openings, if any discrepancies are found, notify the BrooksJensen Engineer immediately.
5. The BrooksJensen Engineer will interpret the intent of the drawings in case of possible conflict or discrepancy.
6. Permissible Variations:
   Dimensional Tolerances – The length, width, height, or dia. measurements of the structure when measured on the inside surfaces shall not deviate form design dimensions by more than the following:

Dimensions:	Tolerance:
0 to 5 Feet	1/4"
5 to 10 Feet	3/8"

   10 to 20 Feet as agreed upon between the supplier and purchaser.
7. Squareness Tolerance:
   The inside of the precast concrete component shall be square as determined by diagonal measurements. The difference between such measurements shall not exceed the following:

Measured Length:	Allowable Difference
0 to 10 Feet	1/2"
10 to 20 Feet	3/4"

   20 Feet and over as agreed upon between the supplier and purchaser.



MINIMUM EXCAVATION SIZE:
6'–4" x 10'–4" x DEPTH REQUIRED.

JENSEN PRECAST

AUTOCAD REL. 14

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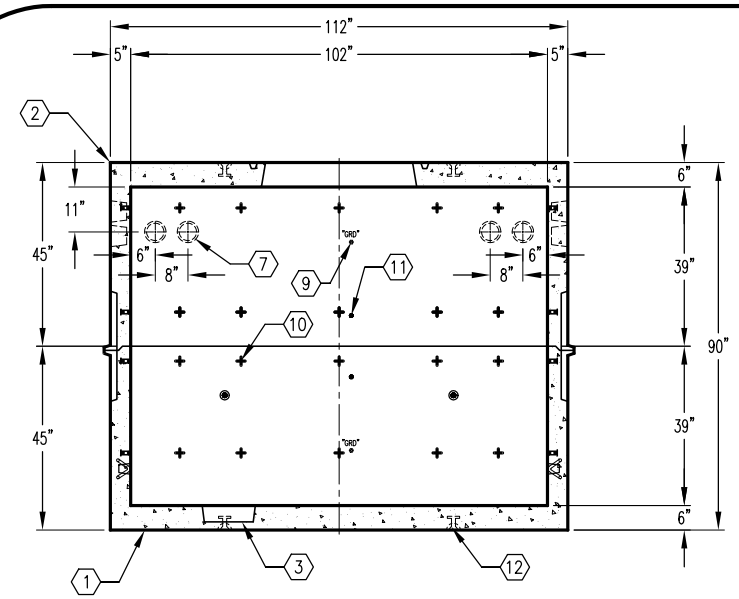
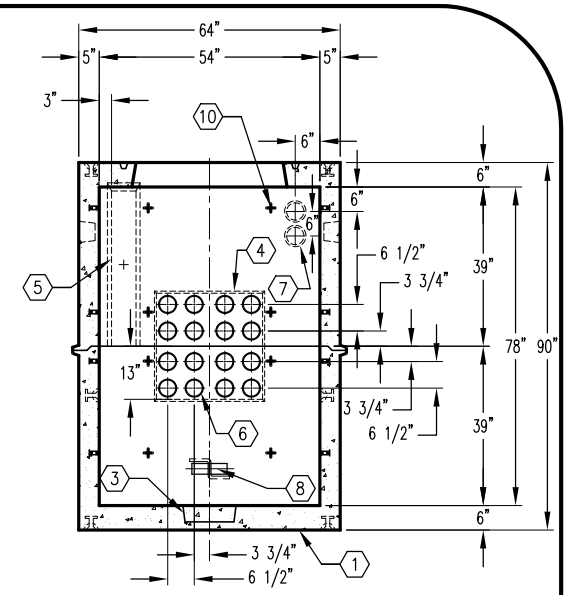


SECTION A–A



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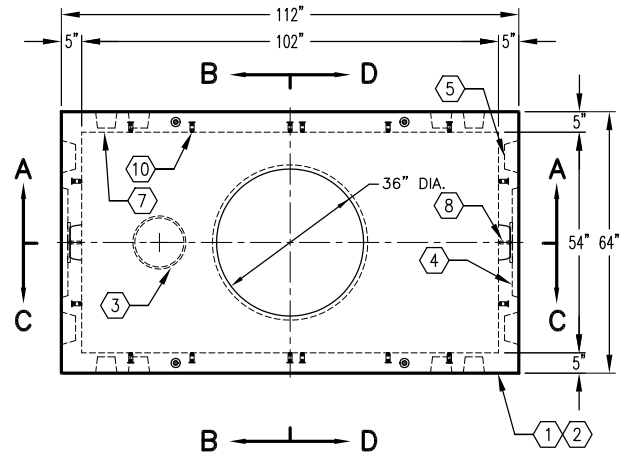
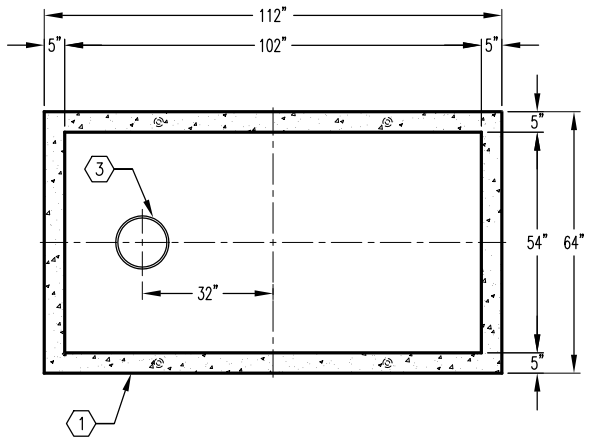
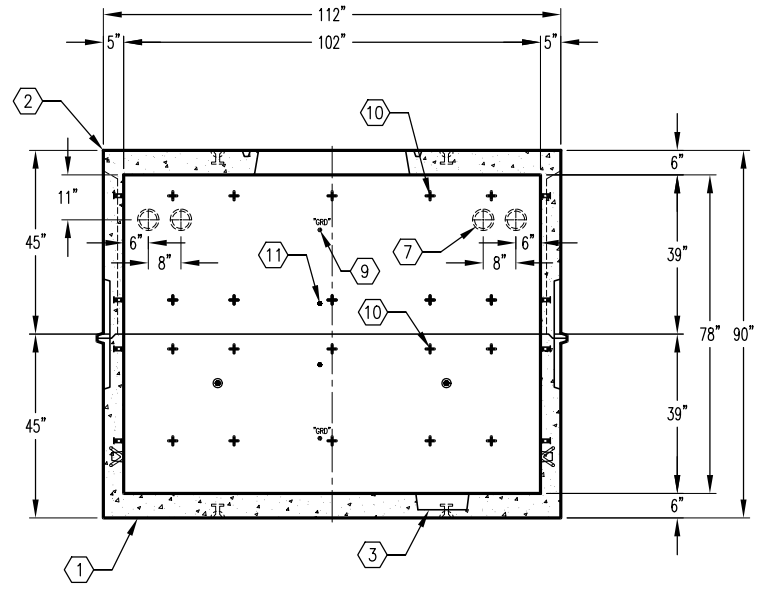


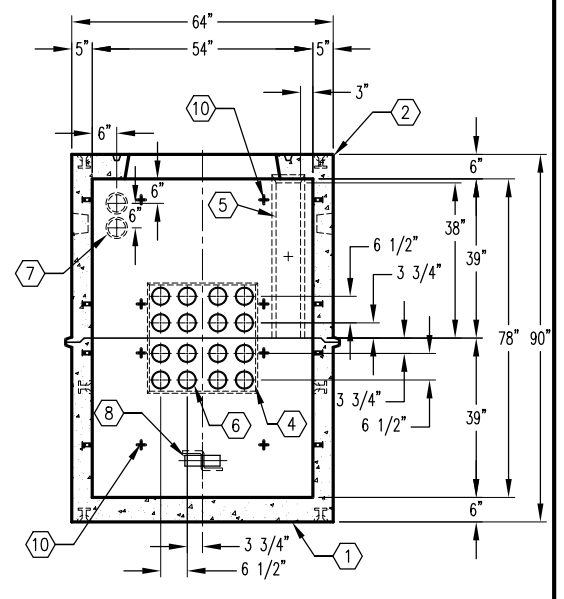
PLAN VIEW



BOTTOM SECTION



SECTION C–C



SECTION D–D

JENSEN PRECAST

#	DATE	DESCRIPTION	BY

K4686–FM78–13
PER VERIZON SPEC. 03–01–02