8' x 9'- 4" x 14'/17'
INTERCEPT TUNNEL VAULT

MODEL K894-TUNNEL-12I

L.A.D.W.P. SPEC.
H–172, 14'=G1A, 17'=G2

NOTES:

STRUCTURE DESIGNED IN ACCORDANCE WITH:

AASHTO H–20 TRAFFIC BRIDGE LOADING

ASTM C–857 STANDARD PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES

AMERICAN CONCRETE INSTITUTE ACI 318–05

CONCRETE COMPRESSIVE STRENGTH F'c = 5500 PSI

REINFORCEMENT IN ACCORDANCE WITH ASTM A–706 WITH A YIELD STRENGTH OF Fy = 60,000 PSI.

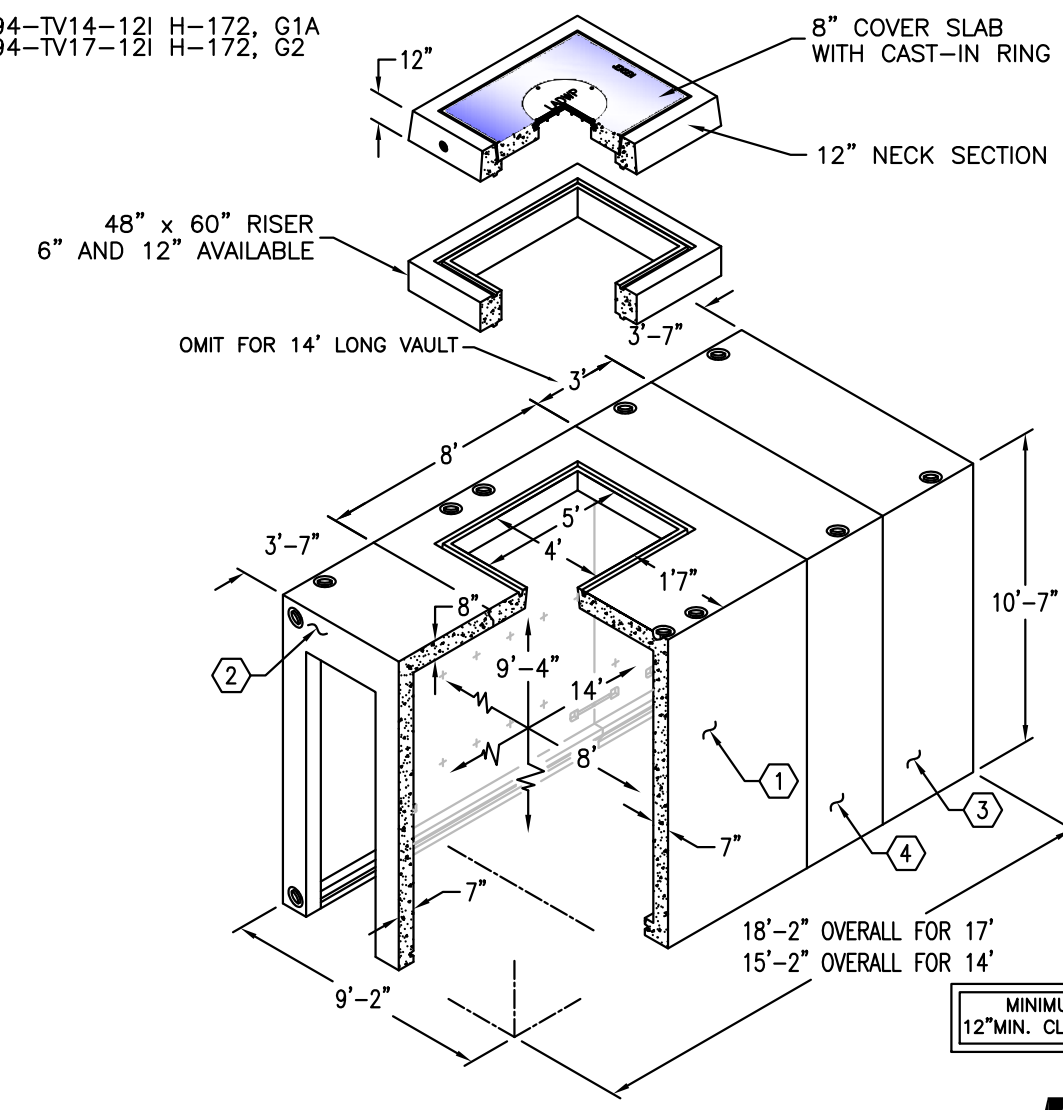
6" MINIMUM COMPACTED GRANULAR MATERIAL RECOMMENDED FOR SUB–BASE FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.

THE FOLLOWING MATERIAL TO BE SHIPPED WITH VAULT:

a) 1 5/8" GALV. UNISTRUT x 92" LONG (6).
b) 1 5/8" x 1 5/8" GALV. UNISTRUT x 36" LONG (12).
c) 1 5/8" x 1 5/8" GALV. UNISTRUT x 22" LONG (2).

1. TV894–C96I–12, 96" CENTER SECTION. WT. 20,900#.
2. TV894–E36I–12, 36" END SECTION. WT. 14,400#.
3. TV894–E36I–12B, 36" END SECTION. WT. 14,400#.
4. TV894–R36I–12, 36" EXTENSION SECTION. WT. 8,100#. OMIT FOR 14' LONG VAULT.
5. 18" x 18" KNOCKOUT x 6" DEEP.
6. 14" x 15" DIA. VENT K.O. x 5" DEEP.
7. 7/8" GALV. PULL IRON. END SECTION.
8. 1 1/2" GALV. COIL THR'D. INSERT.
9. 1/2" PLASTIC INSERT. FOR BOLT ON UNISTRUT.
10. 6" DIA. TERMINATOR. END SECTION (6) EACH.

K894–TV14–12I H–172, G1A
K894–TV17–12I H–172, G2



MINIMUM EXCAVATION SIZE:
12"MIN. CLEARANCE x REQ'D DEPTH

01/14/08
K894–TUNNEL–12I–A.dwg
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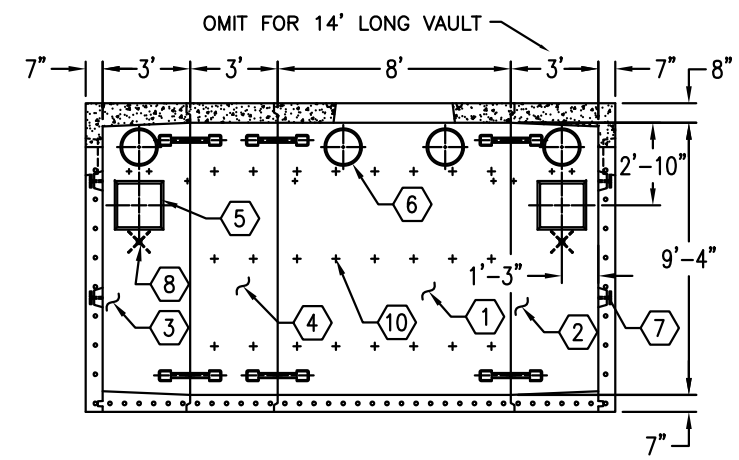
JENSEN PRECAST

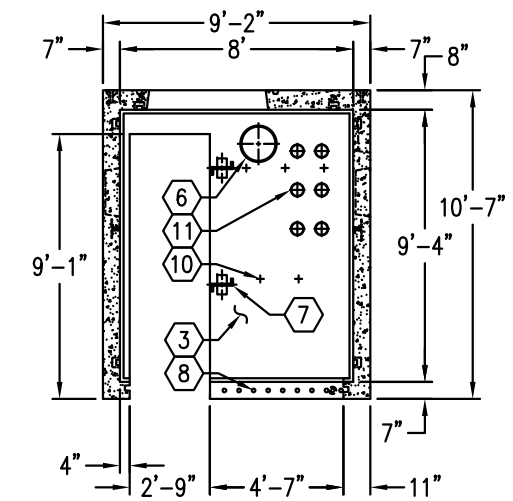
8' x 9'- 4" x 14'/17'
INTERCEPT TUNNEL VAULT

MODEL K894-TUNNEL-12I

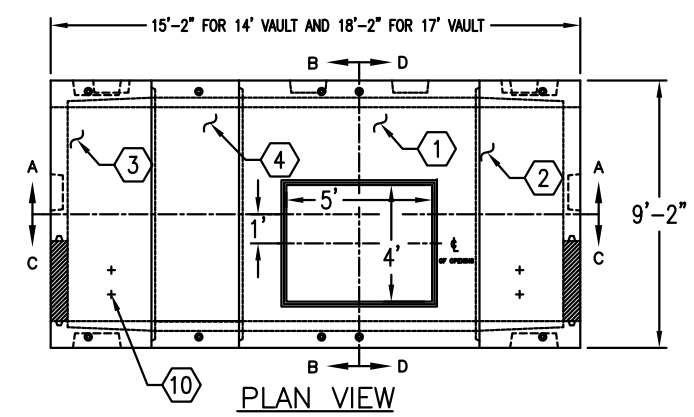
L.A.D.W.P. SPEC.
H–172, 14'=G1A, 17'=G2



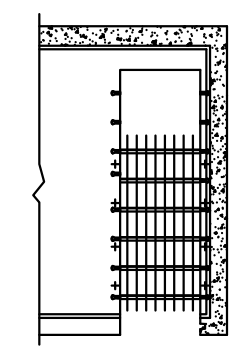
SECTION A–A



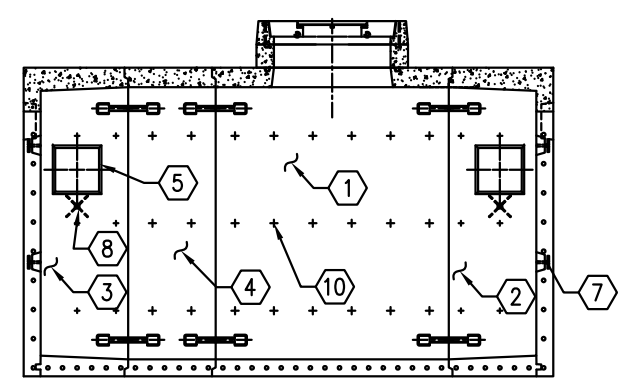
SECTION B–B



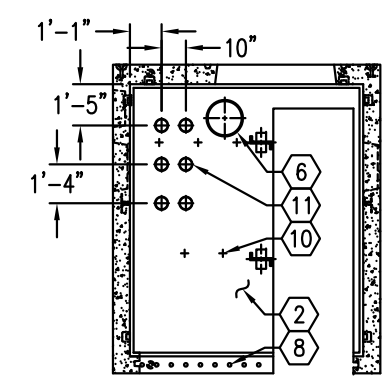
PLAN VIEW



TYP. END SEC.
OPENING DETAIL



SECTION C–C



SECTION D–D

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