8' x 9'- 4" x 14'/17'
DUCTED TUNNEL VAULT
MODEL K894-TUNNEL-12

L.A.D.W.P. SPEC.
H–171, 14'=G–1A, 17'=G–2

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.

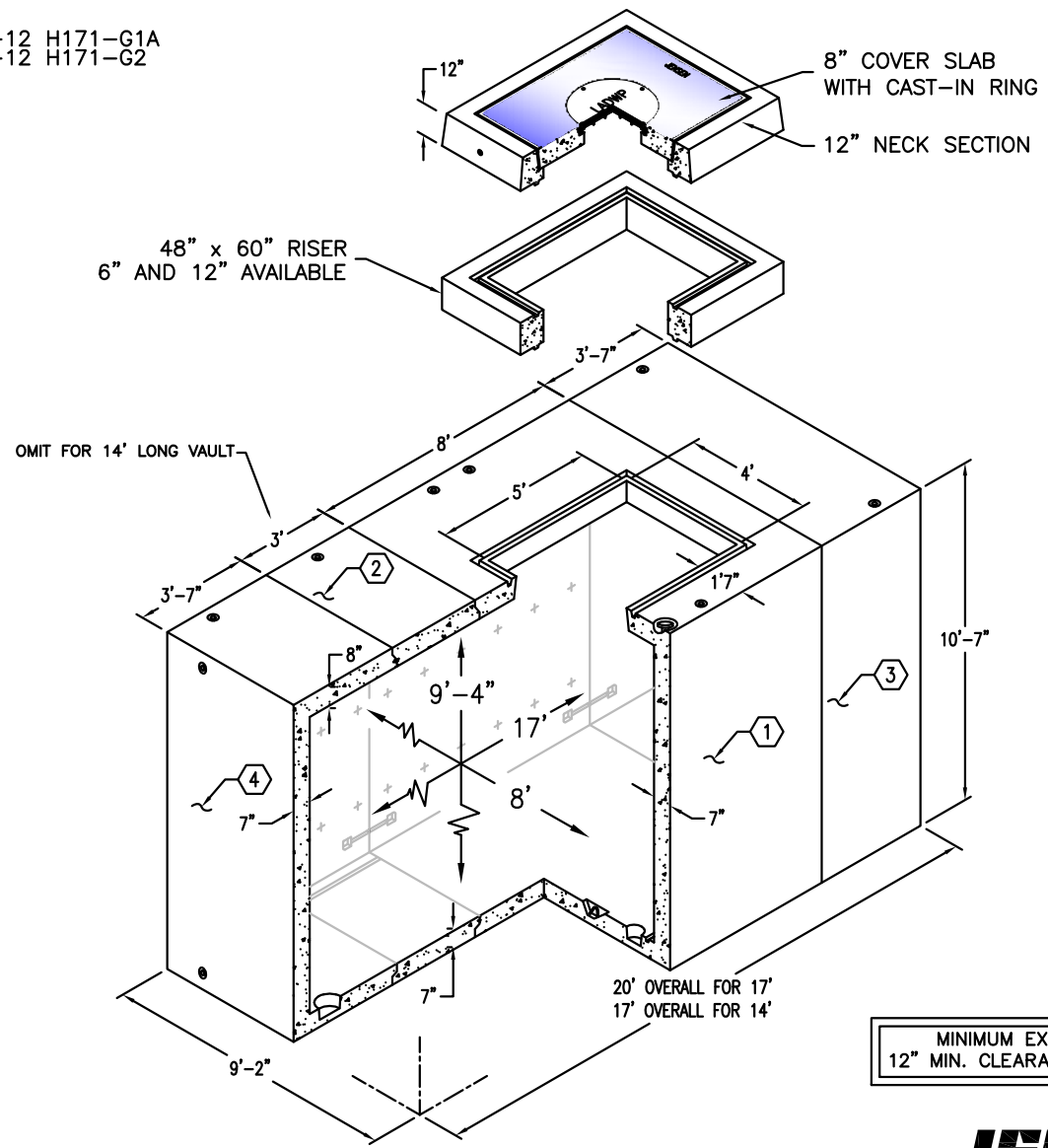
6" MINIMUM COMPACTED GRANULAR MATERIAL RECOMMENDED FOR SUB–BASE FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.

1. TV894–C96–12, 96" CENTER SECTION. WT. 24,673 Lbs.
2. TV894–R36–12, 36" EXTENSION SECTION. WT. 10,056 Lbs. OMIT FOR 14' LONG.
3. TV894–E36–12AT, 36" END SECTION. WT. 18,233 Lbs.
4. TV894–E36–12BT, 36" END SECTION. WT. 18,233 Lbs.
5. 8" DIA. x 9" DIA. SUMP x 5" DEEP.
6. 24" x 82" DUCTED KNOCKOUT x 12" DEEP. WITH 5" DIA. TERMINATORS CAST–IN.
7. 18" x 18" KNOCKOUT.
8. 14" DIA. x 15" DIA. VENT KNOCKOUT.
9. 5" DIA. TERMINATOR. END SECTION (30) EACH.
10. 7/8" DIA. GALVANIZED PULL IRON.
11. 1 1/2" GALVANIZED COIL THREADED INSERT.
12. 1/2" PLASTIC INSERT FOR BOLT ON UNISTRUT.
13. 12" DIA. RECESS.
14. 2" DIA. TERMS FOR 1" DIA. GROUND ROD KNOCKOUT.

THE FOLLOWING MATERIAL TO BE SHIPPED WITH VAULT:

(b) 1 5/8" GALVANIZED UNISTRUT x 92" LONG (6).
(c) 1 5/8" x 1 5/8" GALVANIZED UNISTRUT x 36" LONG (3).
(d) 1 5/8" x 1 5/8" GALVANIZED UNISTRUT x 32" LONG (6) FOR 17' ONLY.
(e) 1 5/8" x 1 5/8" GALVANIZED UNISTRUT x 22" LONG (2).

K894–TV14–12 H171–G1A
K894–TV17–12 H171–G2



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

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JENSEN PRECAST

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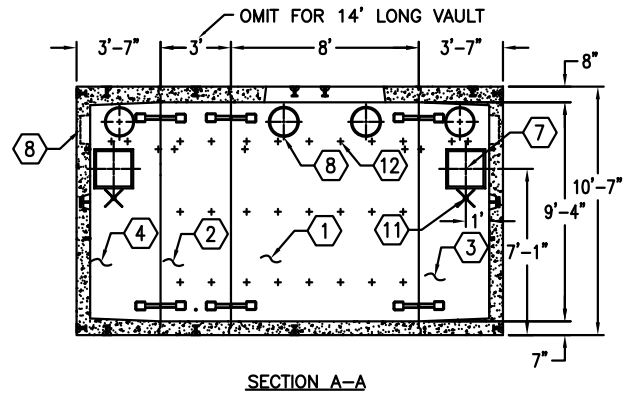
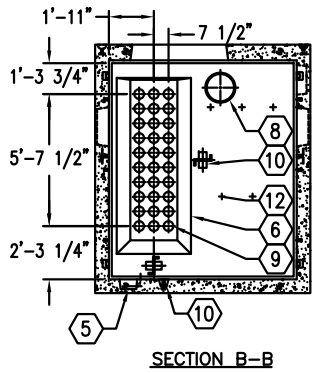
DUCTED TUNNEL VAULT
MODEL K894-TUNNEL-12

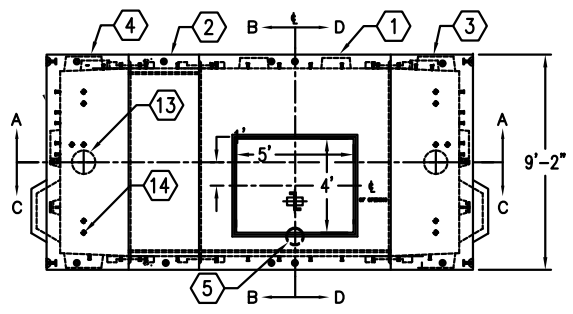
L.A.D.W.P. SPEC.
H–171, 14'=G–1A, 17'=G–2



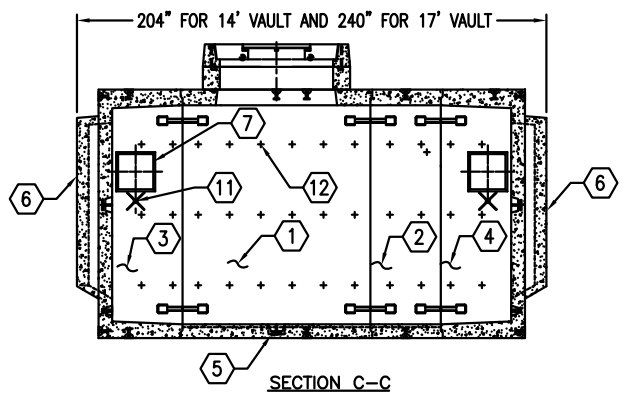
SECTION A–A



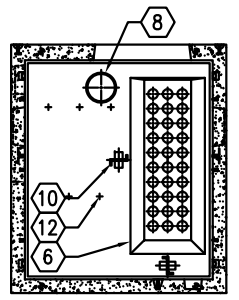
SECTION B–B



PLAN VIEW



SECTION C–C



SECTION D–D

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