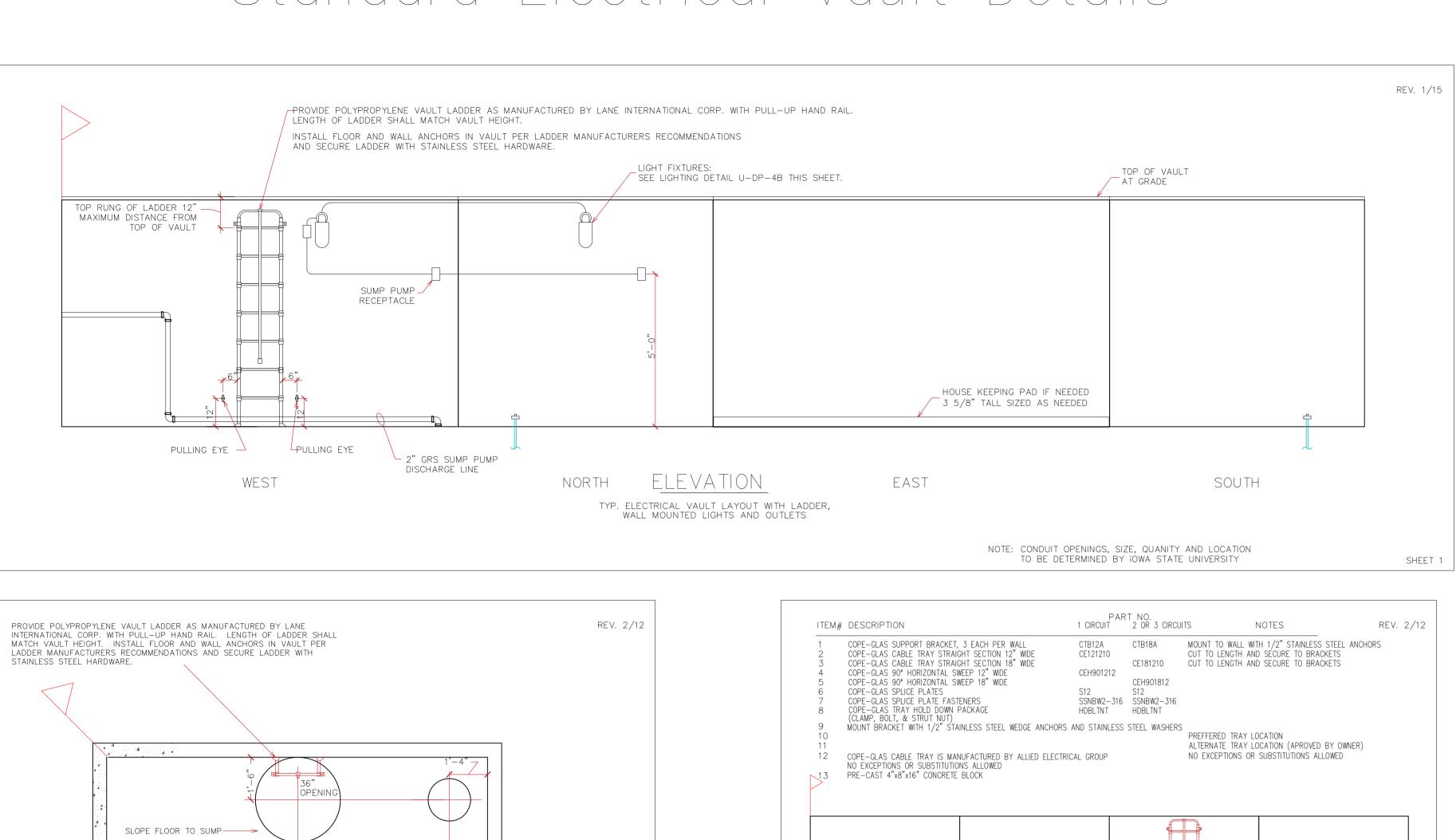
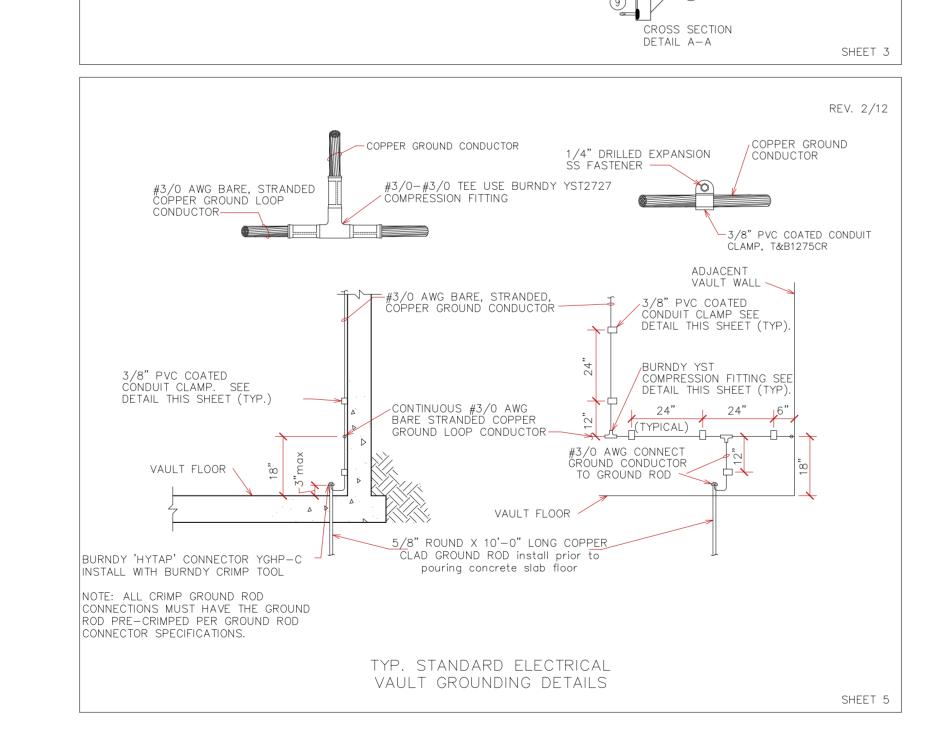
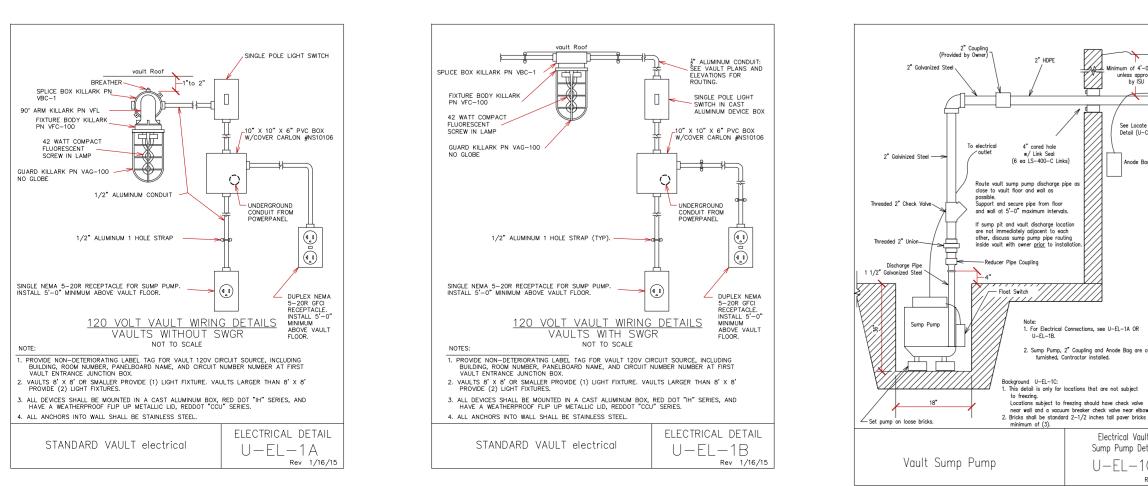
## ISU — Utilities Standard Electrical Vault Details





STANDARD ELECTRICAL VAULT GROUND AND CABLE TRAY LAYOUT



SLOPE FLOOR TO SUMP

35" TALL HOUSE KEEPING PAD

TYP. STANDARD ELECTRICAL VAULT EXTENDABLE LADDER AND SUMP DETAIL FOR FURTHER SUMP DETAIL SEE DRAWINGS THIS SHEET

EXTERIOR OF GROUT.

CONTINUOUS #3/0 AWG

BARE STRANDED COPPER GROUND LOOP CONDUCTOR

5/8" ROUND X 10'-0" LONG COPPER CLAD GROUND ROD install prior to

TYP. STANDARD ELECTRICAL

VAULT CONDUIT DETAILS

pouring concrete slab floor

RGS CONDUIT SIZE AND NO.AS NEEDED.

/ GROUT CONDUIT AND APPLY WATERPROOFING ON

SEE NOTE A.

NOTE A: 5" X 10' COPPER CLAD GROUND ROD.

BARE COPPER WIRE

COPPER GROUND -

CONDUCTOR

INSTALL AN INSULATED THROAT,

GROUNDING STEEL BUSHING WITH GROUNDING LUG FOR #6-#4/0

PROVIDE T&B PN #3996 FOR 4"

CONDUIT OR PN #3998 FOR 5"

#3/0 AWG BARE/STRANDED,

VAULT FLOOR \

BURNDY 'HYTAP' CONNECTOR YGHP-C -

CONNECTIONS MUST HAVE THE GROUND

ROD PRE-CRIMPED PER GROUND ROD

INSTALL WITH BURNDY CRIMP TOOL

NOTE: ALL CRIMP GROUND ROD

CONNECTOR SPECIFICATIONS.

CONDUIT, OR EQUIVALENT.

INSTALL PRIOR TO POURING CONCRETE SLAB FLOOR (TYP.).

SLOPE FLOOR TO SUMP ---

SEE NOTE A.

SHEET 2

REV. 2/12

SHEET 4

Δ .

FOR STEEL CONDUITS USE INSULATED STEEL GROUNDING

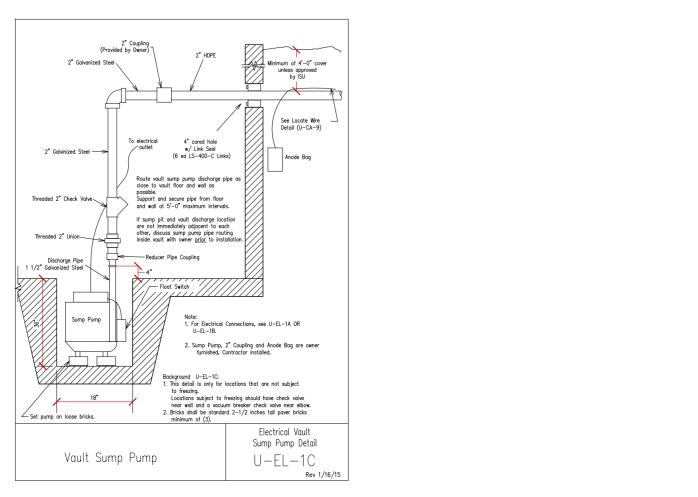
FOR FIBERGLASS, PVC OR HDPE CONDUITS USE BELL ENDS WITH 1/2" TO 1 1/2" CONDUIT PROJECTION INTO THE VAULT.

ALL CONDUITS ENTERING VAULT SHALL HAVE FOOTAGE

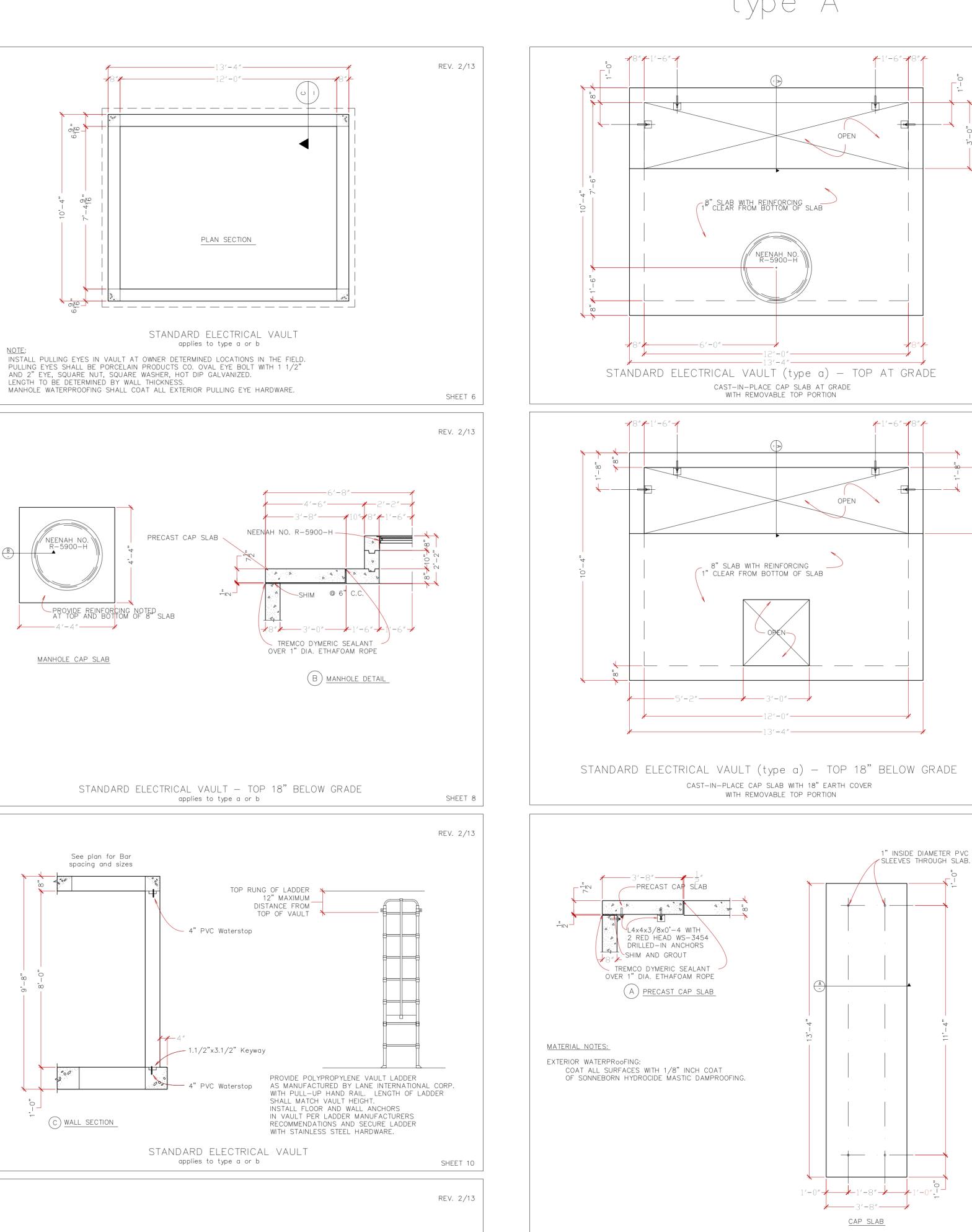
ALL CONDUITS MUST HAVE MANDRELS PULLED THROUGH

THEM WITH ISU FACILITIES VERIFICATION.

BUSHINGS WITH 1" TO 2 1/2" CONDUIT PROJECTION INTO THE



## ISU — Utilities Standard Vault Details With Removable Top Section type A



STANDARD ELECTRICAL VAULT (type a)

SHEET 11

LENGTH TO BE DETERMINED BY WALL THICKNESS.

PROVIDE REINFORCING NOTED AT TOP AND BOTTOM OF 8" SLAB

See plan for Bar

spacing and sizes

(C) WALL SECTION

SIDE VIEW

USE 304 STAINLESS STEEL ANGLE.

MATERIAL NOTES:

TOP VIEW

FRONT VIEW

SEE A PRECAST CAP SLAB NOTE FOR DETAILS - SHEET 11 OR 15.

applies to type a or b

ANGLE BRACKET DETAIL

NOTE: (4) BRACKETS NEEDED FOR (1) VAULT.

scale: 1 to 1

4 4 4

ROUND SUMP PIT

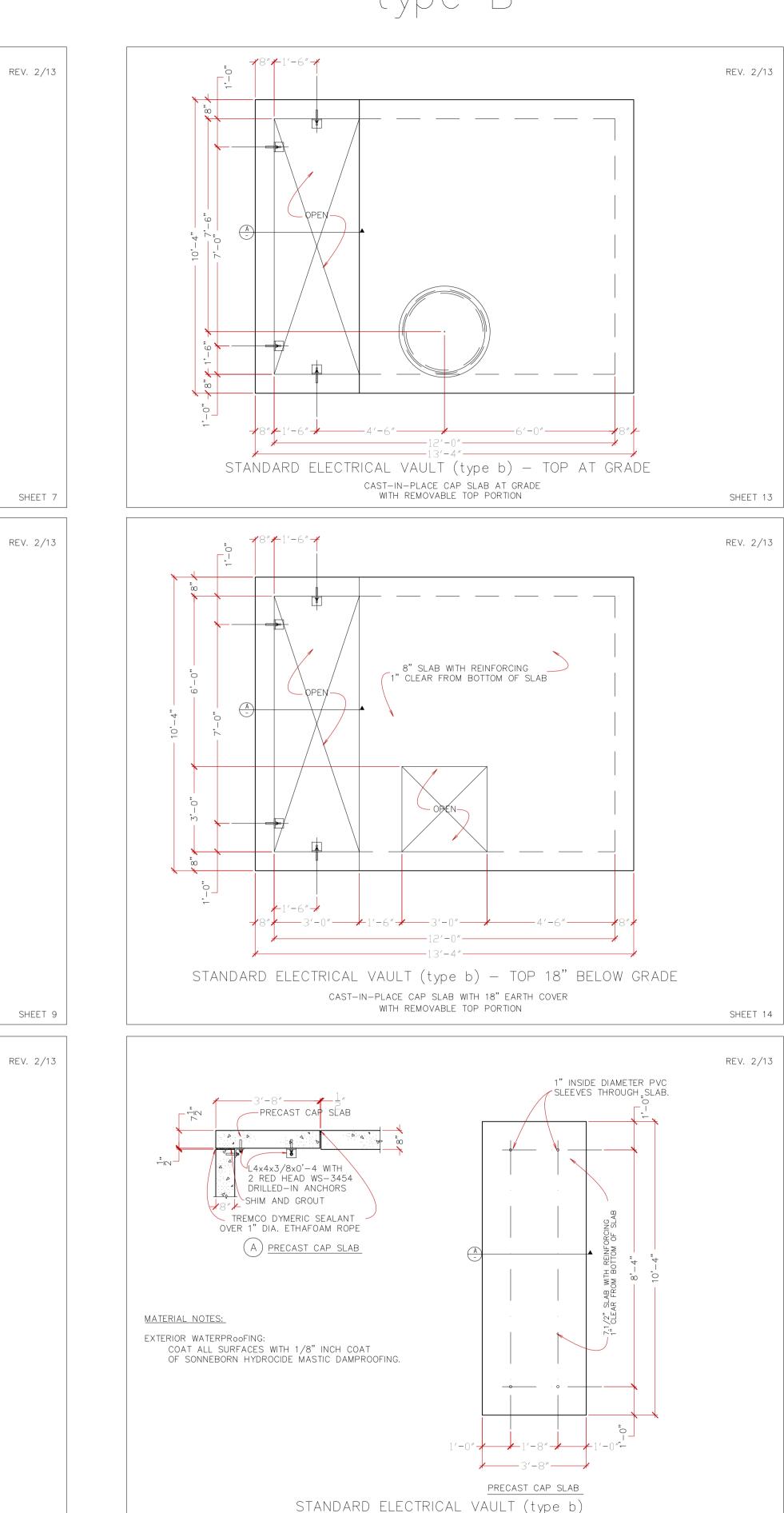
SHEET 12

NEENAH NO. R-5900-H

4'-4"

MANHOLE CAP SLAB

PRECAST CAP SLAB



SHEET 15