FIRE-RATED OXBOX

DESIGN SPECIFICATION

1. WALL CONSTRUCTION

a. Wood or metal stud construction, max 100 in.^{2} of penetrations per 100 ft^2 of wall.
b. 16" or 24" on-center stud construction.
c. Can be installed with a gap between front and back wall assemblies (UL Design # U341) (Figure 2).
d. Single-layer ⅝" gypsum construction with 1-hour fire rating.
e. Double-layer ⅝" gypsum construction with 2-hour fire rating. Frame extensions can be used.
f. Boxes cannot be installed back to back.

2. PIPE/BOX SUPPORT

a. Each outlet box shall be installed in a separate stud bay and attached to the stud (Figure 3 & 4). Fire rating does not apply to installations of two or more boxes in the same stud bay.
b. Supplied support bar.
c. Supply lines to be installed using ordinary methods.
d. Drain line to be supported using ordinary methods.

3. PIPE MATERIAL

a. 2" or larger metallic, PVC, or ABS DWV pipe.
b. Metallic or plastic water supply pipe.

4. FIRESTOP DEVICE

Sioux Chief fire-rated OxBox uses fire-rated resin. Boxes have 4" × 4" intumescent adhesive pads factory installed on the back of boxes.
NOTE: Gaps up to ½" around box can be sealed with drywall plaster. Larger gaps require firestop sealant applied to opening spanning entire drywall depth

"over stud" installation

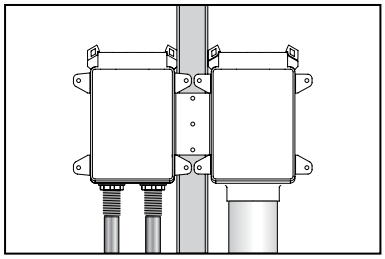


FIGURE 3

"separate stud bay" installation

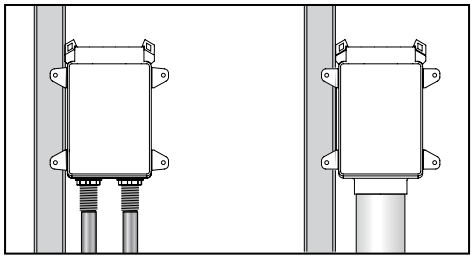


FIGURE 4

THE FIRE-RATED OXBOX IS CERTIFIED BY INTERTEK/WARNOCK HERSEY TO THE FOLLOWING FIRE RATING STANDARDS:

ASTM E-814
2 hours (F), 1½" hours (T)
for 2-hour design
1 hour (F), 31 mins (T)
for 1-hour design
ASTM E119

CAN/ULC S115
2 hours (F), 1½" hours (T)
for 2-hour design
1 hour (F), 31 mins (T)
for 1-hour design
UL 1479

SCM SPEC ID
23320

FIGURE 1

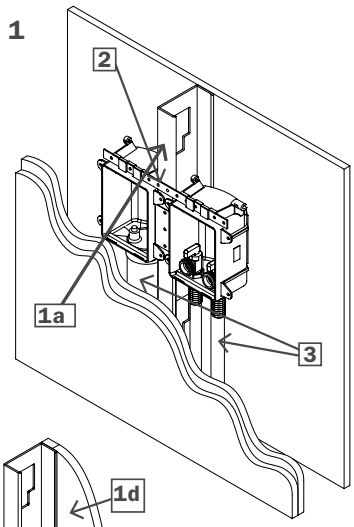
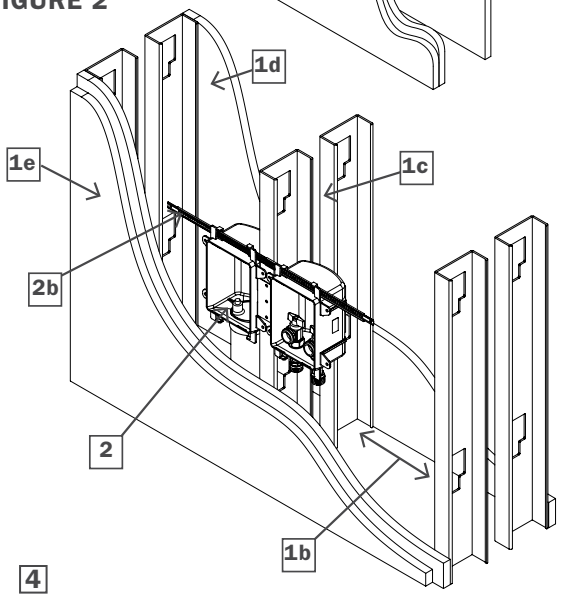
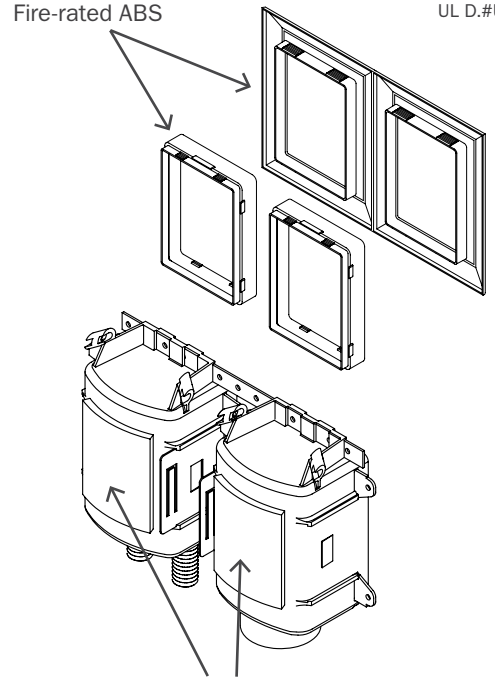


FIGURE 2



4
Fire-rated ABS

UL D.#U341



Intumescent pads