



1 INPUT/OUTPUT MATRIX



UL SYSTEM W-L-1079*
STUD WALL PENETRATION DETAIL



UL SYSTEM C-AJ-1090*
 9 CONCRETE FLOOR PENETRATION DETAIL
 SCALE: NONE

NOTES:

1. OPENINGS ACCOMODATING NONCOMBUSTIBLE CONDUITS THROUGH SINGLE MEMBRANES WHICH ARE PART OF A FIRE RESISTANCE RATED WALL ASSEMBLY ARE PERMITTED WHEN:
 - A. AGGREGATE AREA OF THE MEMBRANE OPENINGS DO NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA.
2. CLASSIFIED TPFS ASSEMBLY IS NOT REQUIRED AT ELECTRICAL BOXES WHEN ALL THE FOLLOWING CONDITIONS ARE MET:
 - A. ELECTRICAL BOX IS STEEL AND UL LISTED.
 - B. AREA OF INDIVIDUAL BOX DOES NOT EXCEED 16 SQUARE INCHES.
 - C. OUTLET BOXES ON OPPOSITE SIDES OF THE WALL ARE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES.

(13) SCALE: NONE

