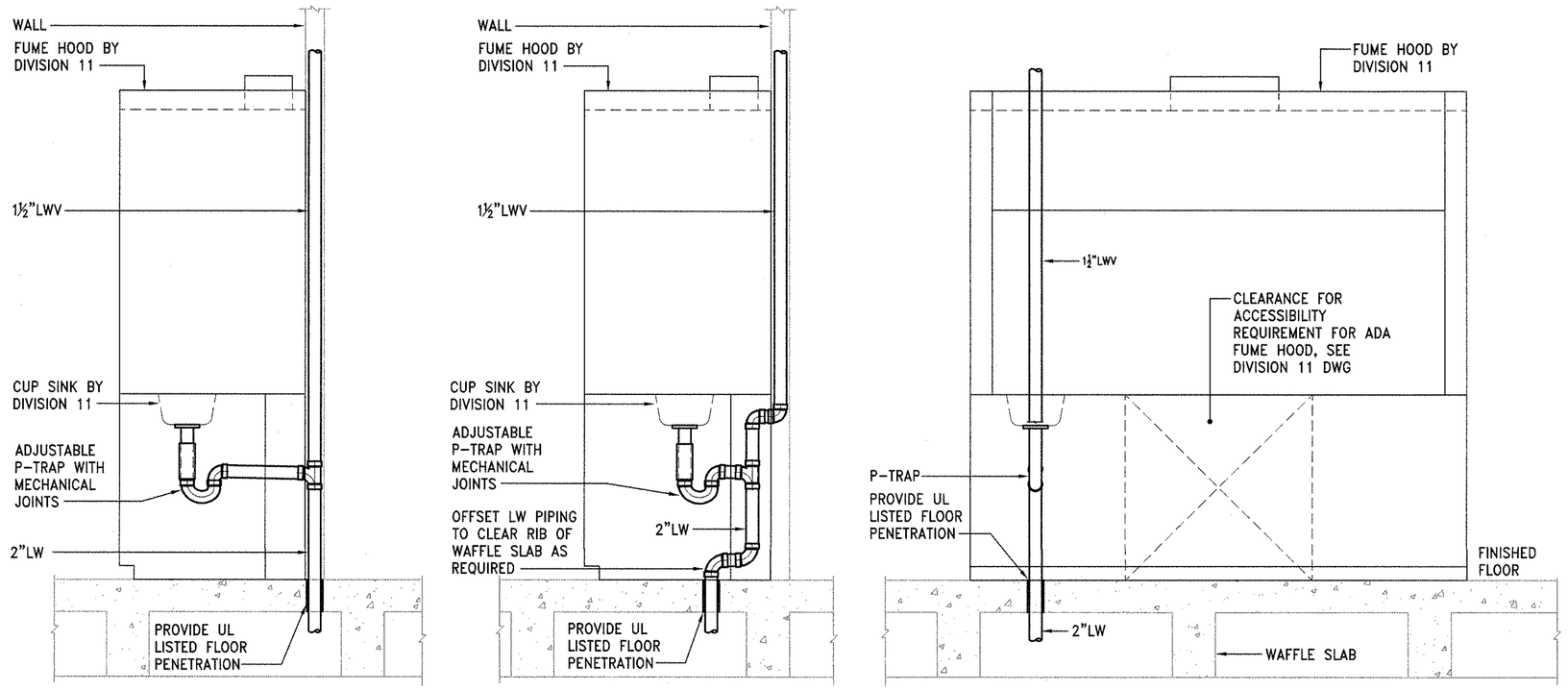
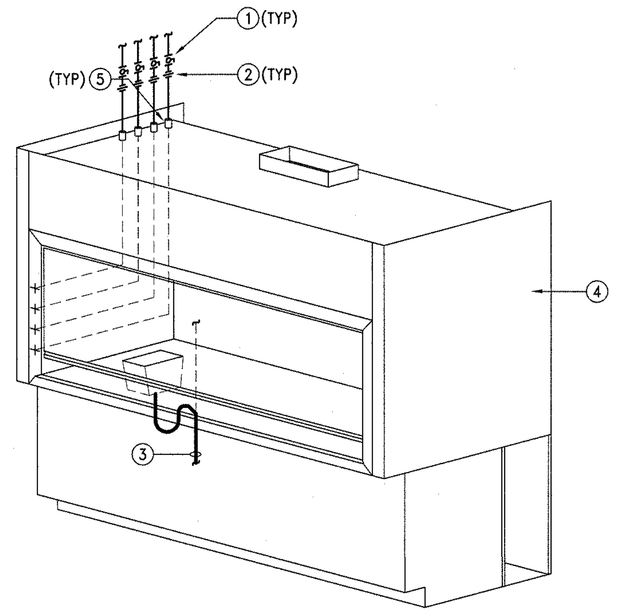


LAB WASTE CONNECTION DETAIL (FUME HOOD) 2
SCALE: NTS



FUME HOOD WITH CUP SINK - PRE-PIPING 1
SCALE: NTS

GENERAL NOTES:

1. PIPING SHOWN ON DETAIL IS FOR REFERENCE. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR INSTALLATION.

SHEET NOTES:

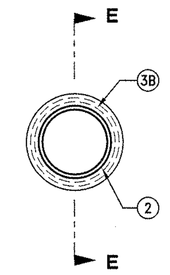
(1) PIPING DOWN TO FUME HOOD MANIFOLD CONNECTION. PROVIDE BALL VALVE ABOVE HOOD +6".

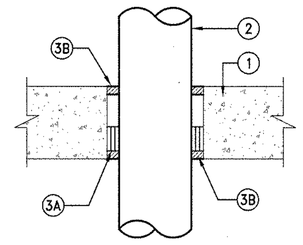
(2) UNION.

(3) LW - FOR CONNECTION DETAIL, SEE DWG 2/P6.01.

(4) FUME HOOD PRE-PIPING BY DIVISION 11.

(5) POINT OF CONNECTION 2" ABOVE FUME HOOD WITH THREADED AND CAPPED END.





SECTION E-E

SYSTEM NO. C-AJ-2294
F RATINGS - 2 HR
T RATINGS - 0 HR

NOTES:

(1) FLOOR OR WALL ASSEMBLY -- MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 6 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

(2) THROUGH-PENETRANTS -- ONE NONMETALLIC PIPE OR CONDUIT CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 3/4 IN. IS REQUIRED IN THE FIRESTOP SYSTEM. PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALIC PIPES MAY BE USED:

A. POLYVINYL CHLORIDE (PVC) PIPE -- NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE PVC PIPE FOR USE INCLSOED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE -- NOM 4 IN. DAIM (OR SMALLER) SDR 13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEM.

C. ACROYLONITRILE BUTADIENE STYRENE (ABS) PIPE -- NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 CELLULAR OR SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

D. FLAME RETARDANT POLYPROPYLENE (FRPP) PIPE -- NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 40 FRPP PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.

(3) FIRESTOP SYSTEM -- THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. FILL, VOID OR CAVITY MATERIAL* -- WRAP STRIP -- NOM 1/4 IN. THICK BY 1-1/2 IN. WIDE INTUMESCENT WRAP STRIP. THE WRAP STRIP IS CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE COVERING THREE TIMES AND SLID INTO THE ANNULAR SPACE. WHEN MULTIPLE WRAP STRIPS ARE USED TO ACHIEVE THE REQUIRED TOTAL LENGTH, THE ENDS ARE TO BE BUTTED END TO END AND HELD IN PLACE WITH ALUMINUM TAPE. THE BOTTOM EDGE OF THE WRAP STRIP SHALL BE RECESSED 1/2 IN. FROM THE BOTTOM SURFACE OF THE CONCRETE FLOOR. IN WALLS, THE WRAP SHALL BE INSTALLED ON BOTH SURFACES OF THE WALL SUCH THAT THE EXPOSED EDGE OF THE WRAP STRIP IS RECESSED 1/2 IN. FROM EACH SIDE OF THE WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- CP645 WRAP STRIP

B. FILL, VOID OR CAVITY MATERIAL* -- CAULK -- MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF FLOOR OR WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-ONE SEALANT

*BEARING THE UL CLASSIFICATION MARK

CONCRETE PENETRATION DETAIL FOR PLASTIC PIPE 3
SCALE: NTS

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KEY PLAN:

FIRE MARSHAL:

DSA:

University of California
Physical Planning and Construction
Santa Cruz Campus
Santa Cruz, California

Baskin Alterations - Labs 206, 207 & 208 Final User Build-out
Baskin Engineering Building
1156 High Street
Santa Cruz, CA 95064

UCSC PROJECT & FILE NO: 2700-111

ISSUE DATE		
REVISIONS		
NO.	DATE	DESCRIPTION
	10/19/07	ISSUED FOR FINAL REVIEW

PROJECT NO: 0723
CAD DWG FILE:
DRAWN BY:
CHECKED BY:
SHEET TITLE

DETAILS AND DIAGRAMS

P-601

SHEET OF