

F RATING - 1 AND 2 HR. (SEE ITEM B)
 T RATING - 0 HR.
 L RATING AT AMBIENT - LESS THAN 1 CFM / SQ. FT.
 L RATING AT 400 F - LESS THAN 1 CFM / SQ. FT.

SECTION A-A

- WALL ASSEMBLY - THE 1 OR 2 HR. FIRE-RATED GYPSUM WALLBOARD / STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U500 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE FOLLOWING CONSTRUCTION FEATURES:
 - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN. 3-5/8 IN. WIDE AND SPACED MAX. 24 IN. O.C. WHEN STEEL STUDS ARE USED AND THE DIAM. OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM. OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
 - GYPSUM BOARD - 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES, THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U500 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX. DIAM. OF OPENING IS 25-3/4 IN. FOR STEEL STUD WALLS, MAX. DIAM. OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
- THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRE-STOP SYSTEM. THE ANNULAR SPACE BETWEEN FIRE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. 0 IN. (POINT CONTACT) TO MAX. 1-3/4 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - STEEL PIPE - NOM. 24 IN. DIAM. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - IRON PIPE - NOM. 24 IN. DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - CONDUIT - NOM. 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM. 6 IN. DIAM. (OR SMALLER) STEEL CONDUIT OR NOM. 1 IN. DIAM. (OR SMALLER) FLEXIBLE STEEL CONDUIT.
 - COPPER TUBING - NOM. 6 IN. DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - COPPER PIPE - NOM. 6 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- FILL VOID OR CAVITY MATERIAL* - SEALANT - MIN. 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL AT THE POINT CONTACT LOCATION BETWEEN THROUGH PENETRANT & GYPSUM WALLBOARD, A MIN. 3/8 IN. DIAM. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE GYPSUM WALLBOARD / THROUGH PENETRANT INTERFACE ON BOTH SURFACES OF WALL.

SPECIFIED TECHNOLOGIES INC. - SPECSEAL 100, 101, 102 OR 105 SEALANT.
 * BEARING THE UL CLASSIFICATION MARK.

4 SYSTEM NO. W-L-1049
E-4 NOT TO SCALE

REVISIONS BY

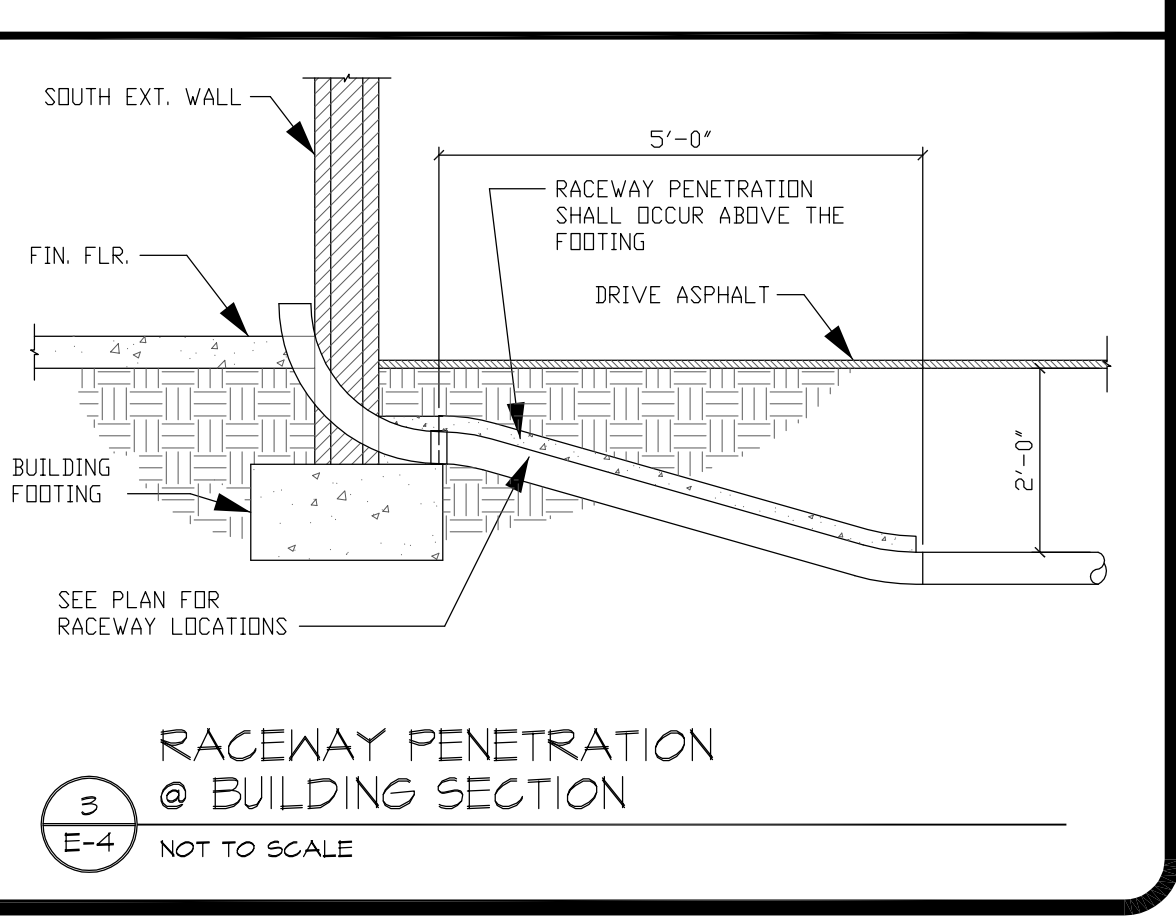
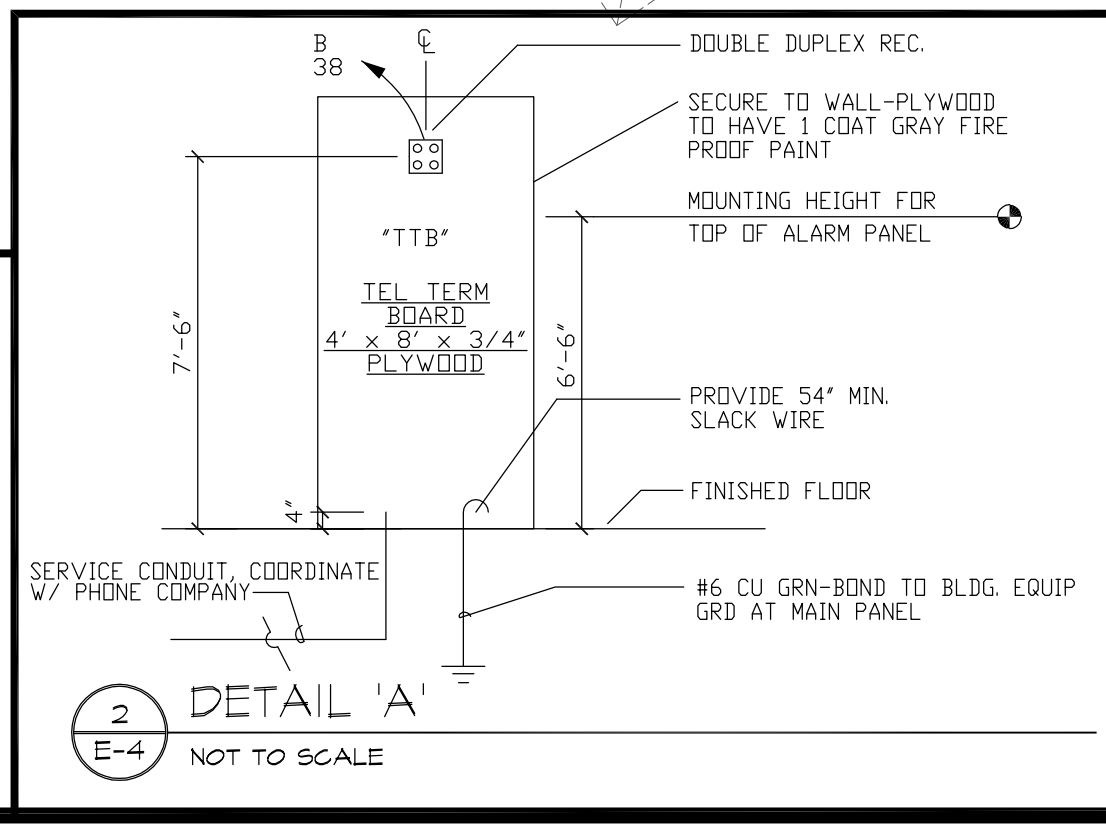
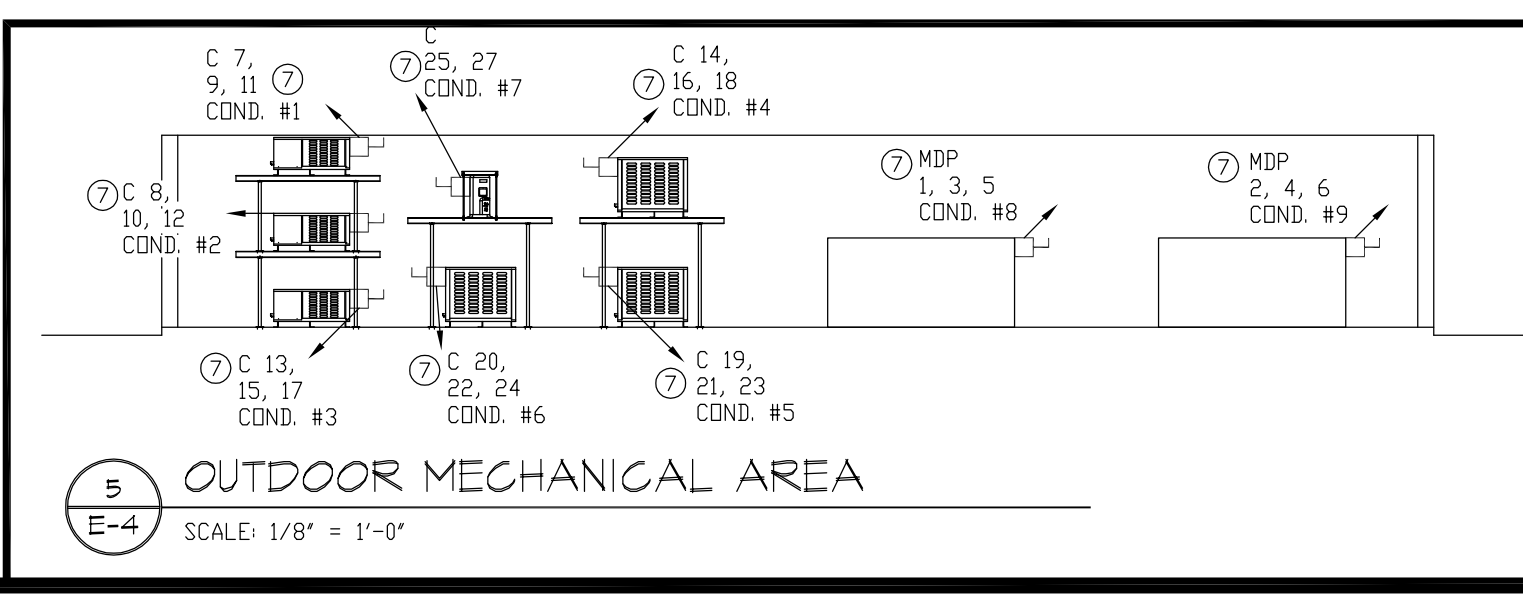
OWNER REVISION	S.L.M.
5-14-08	
BUILDING DEPT.	S.L.M.
1-17-08	

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POWER PLAN
E-4 SCALE: 1/8" = 1'-0"

POWER PLAN KEY NOTES:

- 1/2" E.M.T. TO BE STUBBED ABOVE CEILING TILE AND STUBBED ON TOP SHELF.
- MAKE FINAL ELECTRICAL CONNECTION TO ELEC. DOORS.
- RECEPTACLE TO BE MOUNTED IN KNEE WALL ABOVE W.I.B.C., CENTER RECEPT. BETWEEN W.I.B.C. AND CEILING.
- RECEPT. TO BE MOUNTED IN CEILING TILE FLUSH WITH CEILING.
- INSTALL 1/2" FLEX COND. DOWN FOR POWER SUPPLY TO PANIC CRASH BAR ON EXTERIOR DOOR, TYP.
- RECEPT. TO MOUNTED AT 56" A.F.F. FOR ICE MERCH.
- INSTALL DISCONNECT, TYP. @ ALL MECHANICAL EQUIPMENT
- RUN (2) PAIR 22 GAUGE PHONE WIRE TO PHONE BOARD & MAKE FINAL CONNECTIONS.
- ALARM PANEL INSTALLED BY OWNER "VERIFY".
- HARD WIRE TO PANEL, BOTTOM OF UNIT MOUNTED AT 37" A.F.F. SEE MANUF. INSTALLATION GUIDELINES FOR ADDITIONAL INFORMATION.
- INSTALL TIMER AND DISCONNECT ON WATER HEATER.
- RECEPT. TO BE MOUNTED 6" BELOW CEILING TILE FOR NEON LIGHTS.
- POWER SUPPLIED FROM CONDENSING UNIT LOCATED IN MECHANICAL AREA.
- RECEPT. TO BE LOCATED APPROX. 7 FT. A.F.F. ON TOP SHELF FOR HUMIDIFIER (LOCATED IN FIELD).
- EXTEND WIRING CIRCUITS AT W.I.B.C. FOR LIGHTS, FRAME & DOOR HEATERS, ETC.
- MULTIPLEX UNIT TO BE LOCATED NEAR MGR. STAND IN P.D.S. COUNTER.
- RECEPTACLE FOR VIDEO MONITOR TO BE PLACED 7'-0" A.F.F., ABOVE MGR. STAND LOCATION.
- ELECTRICAL FAN ON ROOF TO BE CONTROLLED BY A REMOTE THERMOSTAT SET TO ACTIVATE AT 90° F.
- RECEPT. TO BE MOUNTED 12" BELOW CEILING TILE FOR SECURITY VIDEO MONITOR.
- PROVIDE (2) 3/4" COND. CONCEALED WITHIN WALL, TERMINATE 6" ABOVE CLG. ROUTE BELOW FLOOR SLAB, TERMINATE UNDER MANAGER STAND 4" A.F.F. (GROUP WITH COND. SUPPLYING POWER TO MANAGER STAND & TELEPHONE LINES)
- HARD WIRE TO PANEL (ELECTRIC TANKLESS WATER HEATER)



ABC LIQUORS, INC.
 8989 S. ORANGE AVE. - ORLANDO, FLA. 32809

ABC STORE NO. 50
 SAWGRASS MILLS, SUNRISE, FLORIDA

POWER PLAN

DRAWN: R. CARDONA
 CHECKED: S. RIVERA
 DATE: 5-1-07
 SCALE: AS NOTED
 JOB No: 50
 SHEET

E-4