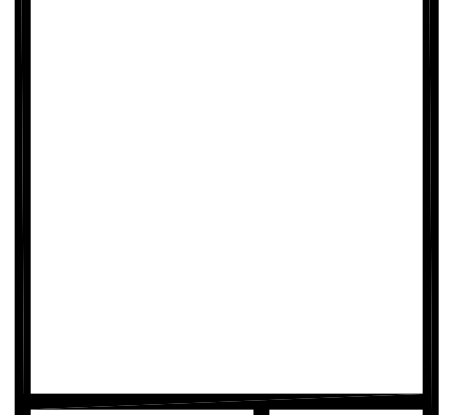


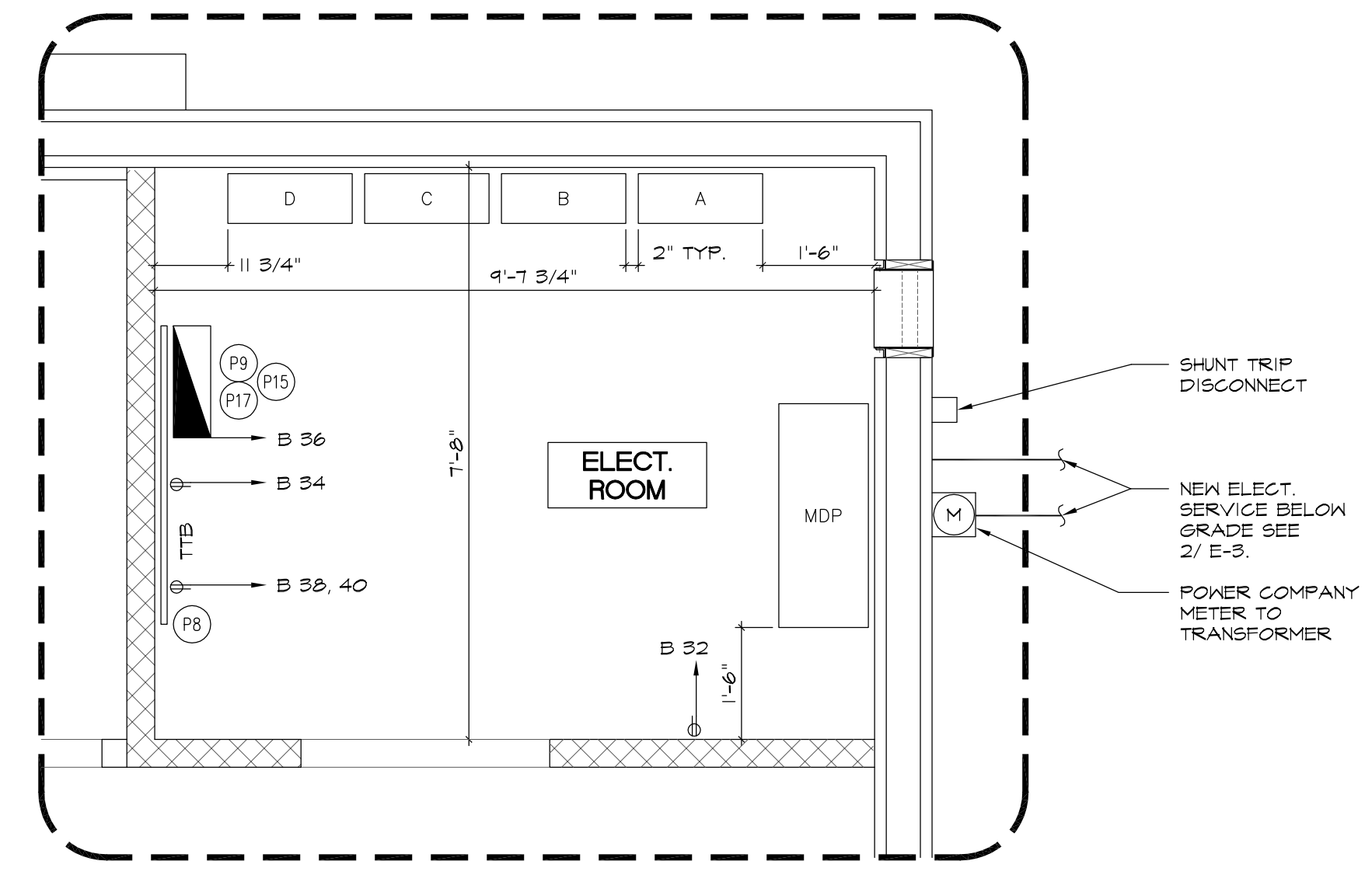
REVISIONS	BY
OWNER REVISION 1-30-10	MCM

ARTERBURY ARCHITECTS, INC.
AA 26000718
1009 MAITLAND CENTER COMMONS BLVD
SUITE 216 MAITLAND, FL 32751
TEL: (407) 774-2233
FAX: (407) 774-7377

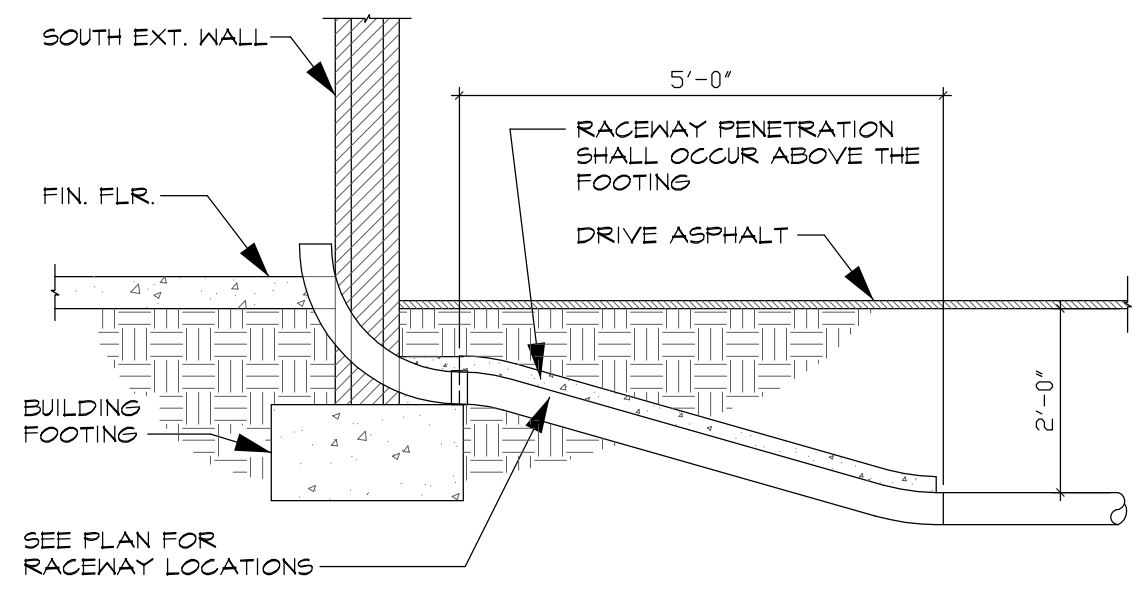


ABC LIQUORS, INC.
8989 S. ORANGE AVE. - ORLANDO, FLA. 32809
ABC STORE NO. 43
VERO BEACH CENTURY TOWN CENTER

POWER PLAN
DRAWN: M. MAISCO
CHECKED: S. RIVERA
DATE: 5-15-04
SCALE: AS NOTED
JOB No: 43
SHEET
E-2



2 ELECTRICAL ROOM PLAN
E-2 SCALE: 1/2" = 1'-0"



3 RACEWAY PENETRATION @ BUILDING
E-2 SCALE: NTS

- 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 U300 OR U400 SERIES WALL OF PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE 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. (51 BY 102 mm) LUMBER SPACED 16 IN. (406 mm) OC. STEEL STUDS TO BE MIN 3-5/8 3-1/2 IN. (89 mm) WIDE AND SPACED MAX 24 IN. (610 mm) OC. 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 4TO 6 IN. (102 TO 152 mm) WIDER AND 4TO 6 IN. (102 TO 152 mm) HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 mm) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
 - GYPSUM BOARD* - 5/8 IN. (16 mm) THICK, 4 FT. (1.22 m) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 mm) FOR STEEL STUD WALLS, MA DIAM OF OPENING IS 14-1/2 IN. (368 mm) FOR WOOD STUD WALLS.

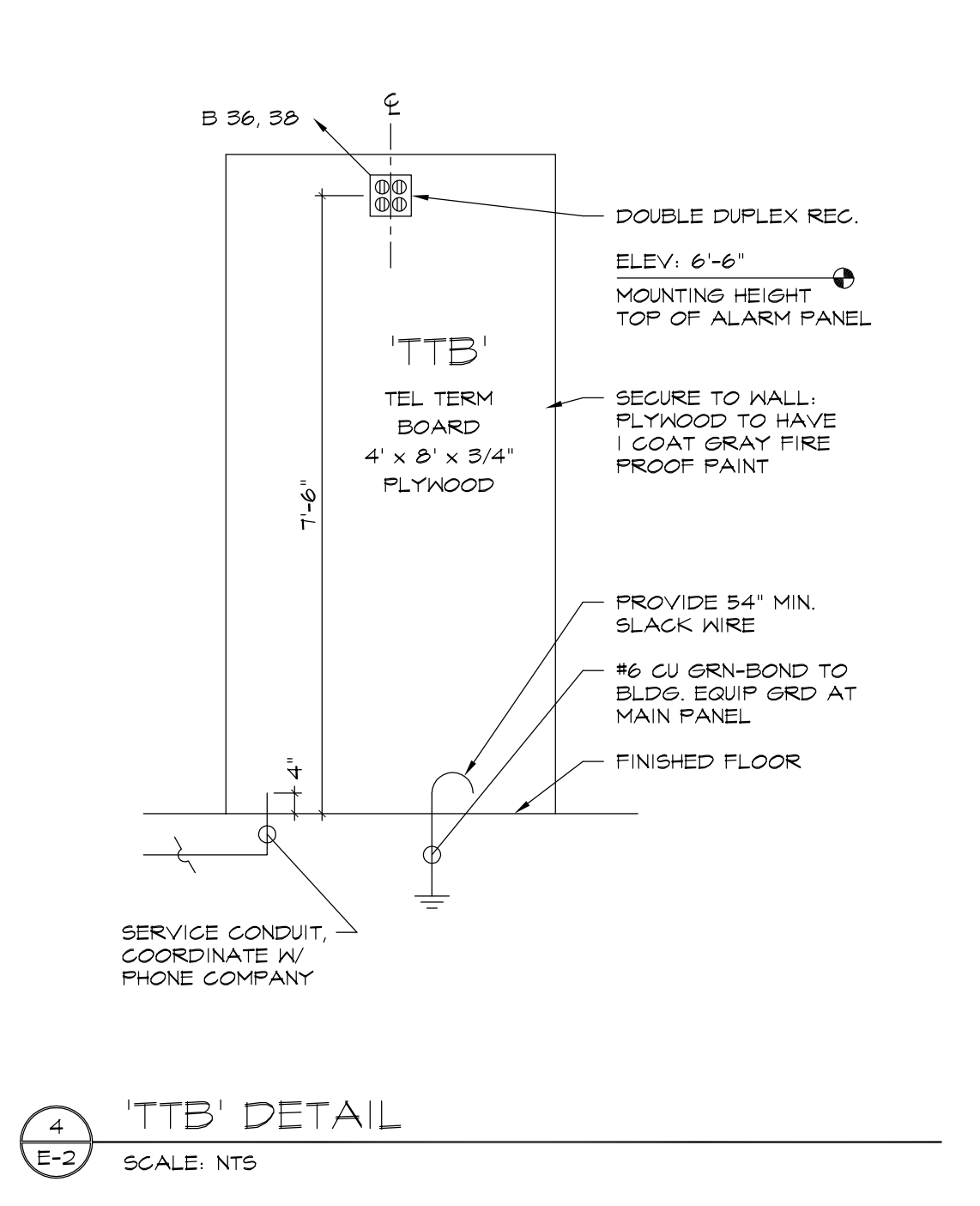
THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

- THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. THE ANNUAL SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. 0 IN. (0 mm POINT CONTACT) TO MAX. 2 IN. (51 mm). 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 3/4 IN. (19 mm) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE
 - IRON PIPE - NOM 3/4 IN. (19 mm) DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE
 - CONDUIT - NOM 4 IN. (102 mm) DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING NOM 6 IN. (152 mm) DIAM. (OR SMALLER) STEEL CONDUIT OR NOM 1 IN. (25 mm) DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT.
 - COPPER TUBING - NOM 6 IN. (152 mm) DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - COPPER PIPE - NOM 6 IN. (152 mm) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN. 3/8 IN. (16 mm) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN THROUGH PENETRANT AND GYPSUM BOARD, A MIN. 3/8 IN. (10 mm) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE GYPSUM BOARD/THROUGH PENETRANT INTERFACE ON BOTH SURFACES OF WALL.

SPECIFIED TECHNOLOGIES INC. - SPECSEAL 100, 101, 102 OR 103 SEALANT.

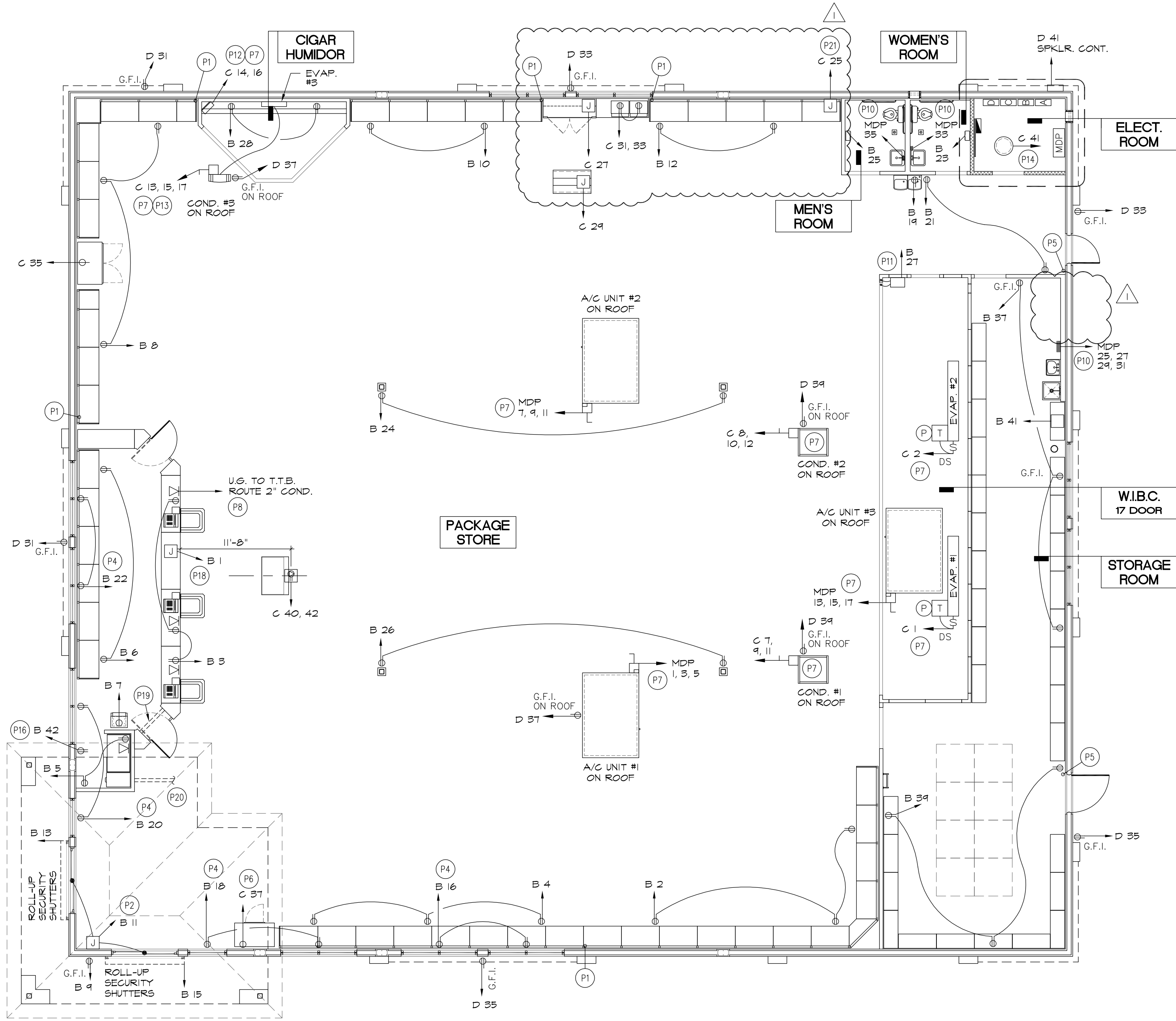
*BEARING THE UL CLASSIFICATION MARK.

SYSTEM NO. W-L-1049
F Ratings - 1 and 2 Hr (See Item 1B)
T Rating - 0 Hr
L Rating As Ambient - Less Than 1 CFM/sq. ft.
L Rating At 400 F - Less Than 1 CFM/sq. ft.



4 'TTB' DETAIL
E-2 SCALE: NTS

SYM	DESCRIPTION	MOUNTING	MANUF.	QTY	REMARKS
[S B]	SWITCH BANK HBL1551 (GENERAL LIGHTING)	SURFACE	HUBBEL		20A, 120 / 2TTV 3 POS / CTR OFF
Z-12	120V, 30A, LX61200V02	SURFACE	SQUARED "D"		12 POLE CONTACTOR
T-1	2 POLE ET111-C	SURFACE	INTERMATIC		ELECTRONIC TIMER
T	THERMOSTAT	CEILING RECESSED			
P	PUMPDOWN VALVE	CEILING RECESSED			
[DS]	DISCONNECT SWITCH	CEILING RECESSED			TYPICAL AT ALL MECH EQUIP
[F B]	200 1" FLOOR BOX HARD WIRED	FLOOR			BRASS FINISH
[F O]	DUPLEX FLOOR OUTLET	FLOOR			BRASS FINISH
[F O]	DUPLEX OUTLET RECEPTACLE	WALL RECESSED	LEVITON		
[G.F.I.]	G.F.I. RECEPTACLE	WALL RECESSED	LEVITON		GROUND FAULT INTERRUPTING
[S O]	SINGLE OUTLET RECEPTACLE	WALL RECESSED	LEVITON		
[S O]	SPECIALTY OUTLET	WALL RECESSED	LEVITON		DUPLEX FLOOR RECEPTACLE
[N F S]	NON FUSED SAFETY SWITCH PER N.E.C.	SURFACE	SQUARED "D"		
C2	200A 2 POLE 200A 3 POLE	SURFACE	SQUARED "D"		W/ H-O-A
[P]	POWER PANEL	SURFACE	SQUARED "D"		
[J]	JUNCTION BOX	N/A			EG TO MAKE FINAL ELECT CONNECTIONS
[W T J]	WIRED TELEPHONE JACK	WALL RECESSED			WIRE TO BE RUN BACK TO PHONE BOARD



1 POWER PLAN
E-2 SCALE: 1/8" = 1'-0"

- POWER PLAN GENERAL NOTES:**
- SEAL OFF FITTINGS TO BE INSTALLED ON ALL RACEWAYS GOING TO THE WIBC AT TRANSITION FROM STORE TO COOLER.
 - DO NOT USE OUTLET BOXES BACK TO BACK. DO NOT USE THRU THE WALL BOXES.
 - LEAVE PULLWIRES IN ALL EMPTY CONDUITS.
 - ALL CONDUIT, FITTINGS, STRAPS TO BE PVC IN W.I.B.C.
 - ELECT. CONTR. TO CONSTRUCT SHELF TO SUPPORT V.G.R., STEREO AND U.P.S. IN UTILITY ROOM.
 - DISCONNECT SWITCHES SHALL BE REQUIRED FOR ALL MECHANICAL EQUIPMENT AND SHALL BE PROVIDED AND INSTALLED BY DIVISION 16 - ELECTRICAL.
 - ALL CIRCUITRY DESIGNATED FOR FIXTURES WITH ELECTRONIC BALLASTS SHALL HAVE SEPERATE NEUTRAL CONDUCTORS PER PHASE CONDUIT.
 - ALL RECEPTACLES TO BE 18" A.F.F. UNLESS OTHERWISE NOTED.
 - ALL SWITCHES TO BE COLOR COORDINATED WITH THE SURFACE THEY ARE MOUNTED TO.
 - 3 CURRENT CARRY CONDUCTORS PER HR.
 - ALL DIMENSIONS ARE APPROX "VERIFY LOCATIONS"
 - CONTRACTOR TO COORDINATE A.I.C. RATINGS OF THE MAIN TRANSFORMER AND MAIN BREAKER W/ THE POWER COMPANY.
 - CONTRACTOR RESPONSIBLE FOR PHONE JACK BOX AND CONDUIT ALL RECEPT. TO BE MOUNTED AT 18" A.F.F. UNLESS OTHERWISE NOTED.
 - WIRING TO BE INSTALLED IN PANELS PER THE FOLLOWING:
COLOR: BLACK RED BLUE WHITE
PHASE: A B C NEUTRAL
 - ALL UNDERGROUND RACEWAYS ARE TO BE A MINIMUM OF 24 INCHES BELOW GRADE UNLESS NOTED OTHERWISE.
 - ALL BRANCH CIRCUIT RACEWAYS SHALL CONTAIN A #12 AWG, GREEN CODED GROUND WIRE ALL FIXT. AND RECEPT. SHALL BE BONDED TO THIS CONDUCTOR. PANEL FEEDER GROUND WIRES SHALL BE SIZED IN ACCORDANCE WITH ARTICLE 250, TABLE 250-45 OF THE NEC. THIS GROUND SHALL BE CONT. THE NEUTRAL SHALL NOT BE USED FOR A GROUND WIRE. GROUND SERVICE ENTRANCE IN ACCORDANCE WITH NEC ARTICLE 250.
 - ALL WIRINGS WILL BE IDENTIFIED BY NUMBERS RELATING TO RESPECTIVE BREAKER LOCATION AND / OR CIRCUIT IDENTIFICATION.
 - ALL WIRING TO BE LACED AND/OR TIE WRAPS, INSTALLED IN A PERPENDICULAR AND / OR HORIZONTAL METHOD AND FORMED AT 90° ANGLE, (NO LOOPING)

- POWER PLAN KEY NOTES:**
- 1/2" E.M.T. TO BE STUBBED DOWN TO 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 18" ABOVE TOP OF WINDOW.
 - INST. 1/2" FLEX COND. DOWN FOR POWER SUPPLY TO PANIC CRASH BAR ON EXTERIOR DOOR, TYP.
 - RECEPT. TO BE MOUNTED AT 36" A.F.F. FOR ICE MERCH.
 - INST. DISCONNECT, TYP. @ ALL MECHANICAL EQUIPMENT
 - RUN (2) PAIR 22 GAUGE PHONE WIRE TO PHONE BOARD, AND MAKE FINAL CONNECTIONS.
 - ALARM PANEL INSTALLED BY OWNER
 - HARD WIRE ELECTRIC TANKLESS WATER HEATER TO PANEL. INSTALL DISCONNECT ON WATER HEATER
 - EXTEND WIRING CIRCUITS @ W.I.B.C. FOR LIGHTS, FRAME & DOOR HEATERS
 - RECEPT. TO BE LOCATED APPROX. 1 FT. A.F.F. ON TOP SHELF FOR HUMIDIFIER (LOCATE IN FIELD)
 - POWER TO HUMIDOR AND CHILLER A/C SUPPLIED FROM COND. UNIT LOCATED ON ROOF ABOVE.
 - ELECTRICAL FAN ON ROOF TO BE CONTROLLED BY A REMOTE THERMOSTAT.
 - SECURITY SHELF
 - RECEPT. TO BE MOUNTED 9'-0" A.F.F. FOR SECURITY VIDEO MONITOR.
 - RADIOLICS FIRE ALARM COMMUNICATOR D94126 AND SILENT KNIGHT 5495 HORN STROBE / POWER MODULE [FAC] [FCP]
 - ROUTE 1 1/2" U.G. DEDICATED CIRCUIT AND RACEWAY TO P.O.S. COUNTER TERMINATE STUB @ 1" A.F.F.
 - ROUTE EMPTY 2" COND. W/PULL WIRE BELOW SLAB FROM MGR. STAND TO PHONE BD. FOR FUTURE USE.
 - PROVIDE TRENCH FOR (2) 3/4" COND. AND (1) 1/2" COND. FROM P.O.S. COUNTER TO MANAGERS STAND
 - ROUTE 1/2" CONDUIT FOR POWER OF TRANSFER AIR FAN JUNCTION BOX TO BE LOCATED 12'-0" A.F.F.