

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK  
**CITY OF PORTLAND**

Please Read  
 Application And  
 Notes, If Any,  
 Attached

BUILDING INSPECTION

**PERMIT**

Permit Number: 100692

PERMIT ISSUED

JUL - 9 2008

CITY OF PORTLAND

This is to certify that PECOR RAYMOND JR & N ROSENTHAL TRUSTEE wid

has permission to Interior renovations to bar and storage area

AT 867 RIVERSIDE ST

326 B002001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of this State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission procured before this building or part thereof is lated or closed-in.  
 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Craig Cass

Health Dept. \_\_\_\_\_

Appeal Board \_\_\_\_\_

Other \_\_\_\_\_

Department Name

Director - Building & Inspection Services

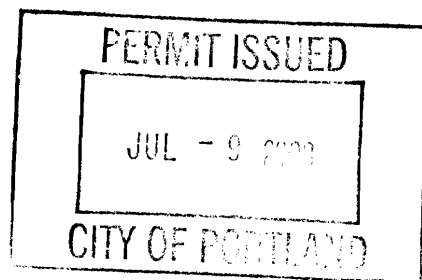
**PENALTY FOR REMOVING THIS CARD**

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

<b>Permit No:</b> 08-0699		<b>Issue Date:</b>		<b>CBL:</b> 326 B002001	
<b>Location of Construction:</b> 867 RIVERSIDE ST		<b>Owner Name:</b> PECOR RAYMOND JR & JAN RO		<b>Owner Address:</b> 506 HERCULES DR	
<b>Business Name:</b>		<b>Contractor Name:</b> David Cleaves		<b>Contractor Address:</b> 265 Shaker Rd Portland	
<b>Lessee/Buyer's Name</b>		<b>Phone:</b>		<b>Permit Type:</b> Alterations - Commercial	
<b>Past Use:</b> Commercial - Yankee Bowling Alley & Pub		<b>Proposed Use:</b> Commercial - Yankee Bowling Alley & Pub - Interior renovations to bar and storage areas.		<b>Permit Fee:</b> \$400.00	
				<b>Cost of Work:</b> \$38,000.00	
				<b>CEO District:</b> 5	
<b>Proposed Project Description:</b> Interior renovations to bar and storage areas.		<b>FIRE DEPT:</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>See conditions</i>		<b>INSPECTION:</b> Use Group: <i>A2</i> Type: <i>2B</i> <i>IBC-2003</i>	
		Signature: <i>Greg Carr</i>		Signature: <i>JMB 7/8/08</i>	
		<b>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</b>			
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
		Signature:		Date:	

<b>Permit Taken By:</b> lmd	<b>Date Applied For:</b> 06/16/2008	<b>Zoning Approval</b>		
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..		<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Minor <input type="checkbox"/> MM	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
		Date: <i>6/18/08</i>	Date:	Date:


**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

**By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.**

**A Pre-construction Meeting will take place upon receipt of your building permit.**

Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

Final inspection required at completion of work which may include a health inspection for the licensed kitchen.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

**If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

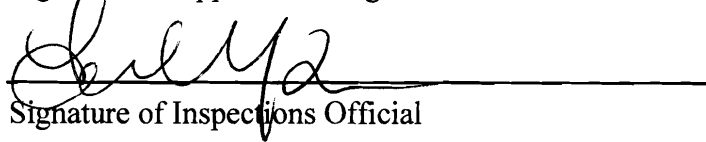
**CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.**



Signature of Applicant/Designee



Date



Signature of Inspections Official



Date

**City of Portland, Maine - Building or Use Permit**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

<b>Permit No:</b> 08-0699	<b>Date Applied For:</b> 06/16/2008	<b>CBL:</b> 326 B002001
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<b>Location of Construction:</b> 867 RIVERSIDE ST	<b>Owner Name:</b> PECOR RAYMOND JR & JAN RO	<b>Owner Address:</b> 506 HERCULES DR	<b>Phone:</b> 207-329-2440
<b>Business Name:</b>	<b>Contractor Name:</b> David Cleaves	<b>Contractor Address:</b> 265 Shaker Rd Portland	<b>Phone:</b> (207) 329-2446
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Commercial	

<b>Proposed Use:</b> Commercial - Yankee Bowling Alley & Pub - Interior renovations to bar and storage areas.	<b>Proposed Project Description:</b> Interior renovations to bar and storage areas.
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**Dept:** Zoning      **Status:** Approved      **Reviewer:** Marge Schmuckal      **Approval Date:** 06/18/2008  
**Note:**      **Ok to Issue:**

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Jeanine Bourke      **Approval Date:** 07/08/2008  
**Note:**      **Ok to Issue:**

- 1) Interior finishes shall be classified in accordance with ASTM E 84 for flame spread and smoke-developed indexes.
- 2) New restaurant, lounge or bar must meet the requirements of the City and State Food Codes
- 3) Approval of license is subject to health inspections per the Food Code.
- 4) All penetrations through rated assemblies must be protected by an approved firestop system installed in accordance with ASTM 814 or UL 1479, per IBC 2003 Section 712.
- 5) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process.

**Dept:** Fire      **Status:** Approved with Conditions      **Reviewer:** Capt Greg Cass      **Approval Date:** 06/19/2008  
**Note:**      **Ok to Issue:**

- 1) Walls in structure are to be labeled according to fire resistance rating.  
IE; 1 hr. / 2 hr. / smokeproof.
- 2) Fire extinguishers required. Installation per NFPA 10
- 3) All means of egress to remain accessible at all times
- 4) Emergency lights and exit signs are required
- 5) Occupancies with an occupant load of 100 persons or more require panic hardware on all doors serving as a means of egress.
- 6) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
- 7) A single source supplier should be used for all through penetrations.
- 8) Application requires State Fire Marshal approval.

TABLE 803.5  
 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY<sup>k</sup>

GROUP	SPRINKLERED <sup>l</sup>			NONSPRINKLERED		
	Vertical exits and exit passageways <sup>a, b</sup>	Exit access corridors and other exitways	Rooms and enclosed spaces <sup>c</sup>	Vertical exits and exit passageways <sup>a, b</sup>	Exit access corridors and other exitways	Rooms and enclosed spaces <sup>c</sup>
A-1 & A-2	B	B	C	A	A <sup>d</sup>	B <sup>e</sup>
A-3 <sup>f</sup> , A-4, A-5	B	B	C	A	A <sup>d</sup>	C
B, E, M, R-1, R-4	B	C	C	A	B	C
F	C	C	C	B	C	C
H	B	B	C <sup>g</sup>	A	A	B
I-1	B	C	C	A	B	B
I-2	B	B	B <sup>h, i</sup>	A	A	B
I-3	A	A <sup>j</sup>	C	A	A	B
I-4	B	B	B <sup>h, i</sup>	A	A	B
R-2	C	C	C	B	B	C
R-3	C	C	C	C	C	C
S	C	C	C	B	B	C
U	No restrictions			No restrictions		

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m<sup>2</sup>.

- a. Class C interior finish materials shall be permitted for wainscotting or paneling of not more than 1,000 square feet of applied surface area in the grade lobby where applied directly to a noncombustible base or over furring strips applied to a noncombustible base and fireblocked as required by Section 803.4.1.
- b. In vertical exits of buildings less than three stories in height of other than Group I-3, Class B interior finish for nonsprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted.
- c. Requirements for rooms and enclosed spaces shall be based upon spaces enclosed by partitions. Where a fire-resistance rating is required for structural elements, the enclosing partitions shall extend from the floor to the ceiling. Partitions that do not comply with this shall be considered enclosing spaces and the rooms or spaces on both sides shall be considered one. In determining the applicable requirements for rooms and enclosed spaces, the specific occupancy thereof shall be the governing factor regardless of the group classification of the building or structure.
- d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall not be less than Class B materials.
- e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 300 persons or less.
- f. For churches and places of worship, wood used for ornamental purposes, trusses, paneling or chancel furnishing shall be permitted.
- g. Class B material is required where the building exceeds two stories.
- h. Class C interior finish materials shall be permitted in administrative spaces.
- i. Class C interior finish materials shall be permitted in rooms with a capacity of four persons or less.
- j. Class B materials shall be permitted as wainscotting extending not more than 48 inches above the finished floor in exit access corridors.
- k. Finish materials as provided for in other sections of this code.
- l. Applies when the vertical exits, exit passageways, exit access corridors or exitways, or rooms and spaces are protected by a sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

Please Give to Contractor  
 Thanks



# General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>867 Riverside - KANKAE LANE</u>		
Total Square Footage of Proposed Structure/Area		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart#      Block#      Lot# <u>326      B      002</u>	Applicant * <u>must</u> be owner, Lessee or Buyer* Name <u>David Cleaves inc</u> Address <u>Po Box 122</u> City, State & Zip <u>Gray Me 04039</u>	Telephone: <u>207-329-2440</u>
Lessee/DBA (If Applicable) <u>July 18</u>	Owner (if different from Applicant) Name <u>Bowl New England inc</u> Address <u>215 Lower Mountain View drive</u> City, State & Zip <u>Colchester VT 05446</u>	Cost Of Work: \$ <u>38 000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>Pub / Bowling ally</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>Same</u> Is property part of a subdivision? <u>no</u> If yes, please name _____ Project description: <u>Remove and install New Bar move doors see attached Scope of work</u>		
Contractor's name: <u>David Cleaves</u> Address: <u>Po Box 122</u> City, State & Zip: <u>Gray Me 04039</u> Telephone: <u>329-2440</u> Who should we contact when the permit is ready: <u>Dave Cleaves</u> Telephone: <u>329-2440</u> Mailing address: <u>Po Box 122 Gray Me</u>		

**Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: [Signature] Date: 5/16/08

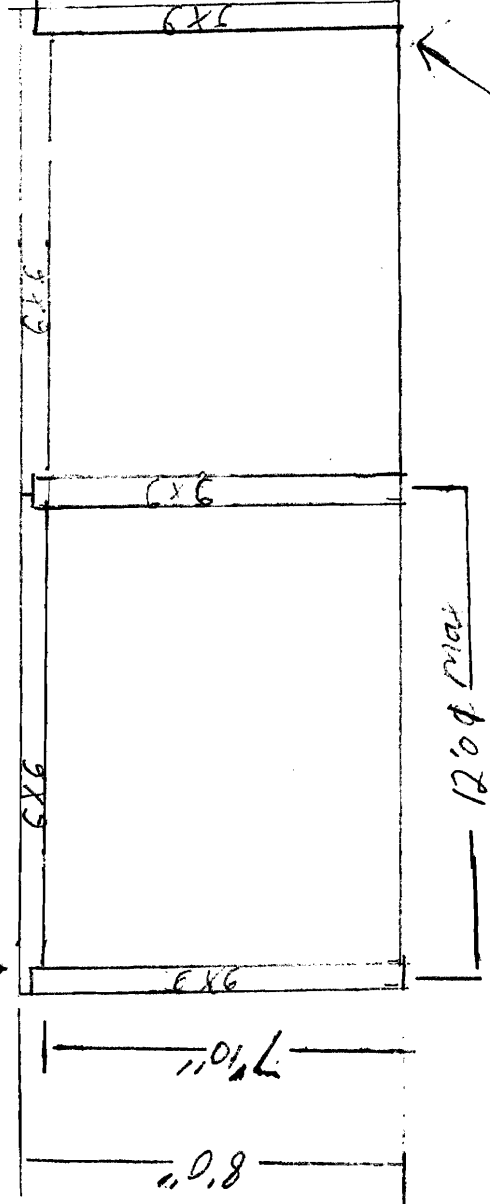
**This is not a permit; you may not commence ANY work until the permit is issue**

Framing detail for architectural beams using Structural

Beams will not interfere with any Sprinkler head

Suspended Ceiling

4 20D nails at Joint



Simpson Fastenings at Floor

## Scope of work

remove and install new Bar

paint Ceiling in walls in pub

install new hard wood flooring

install Mdo wainscoting at 36"-42" in pub

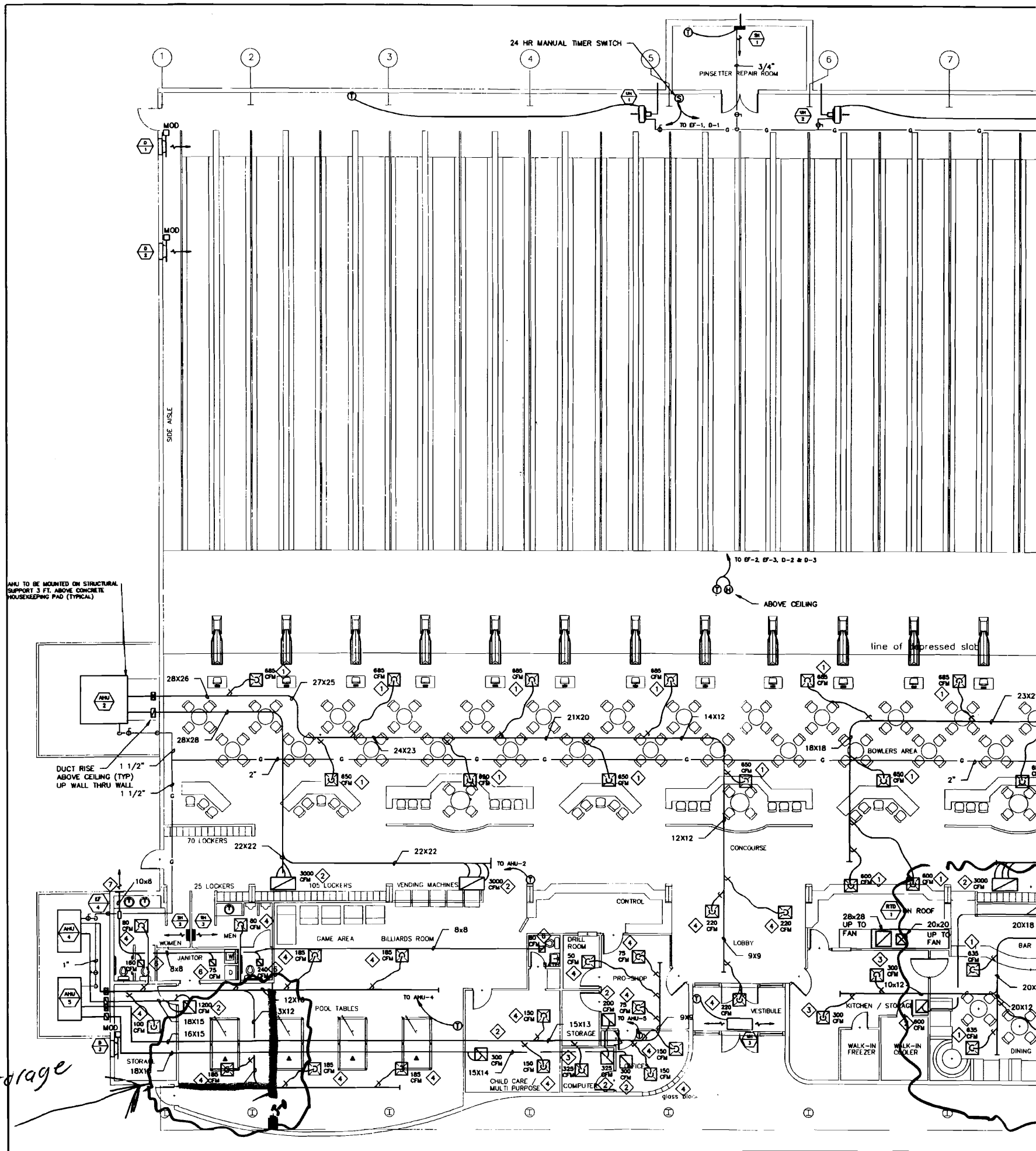
Build new 2x4 wall behind bar

move doors leading from pub to lanes

remove coat closet

~~A~~ Add storage closet in game room





AHU TO BE MOUNTED ON STRUCTURAL SUPPORT 3 FT. ABOVE CONCRETE HOUSEKEEPING PAD (TYPICAL)

DUCT RISE 1 1/2" ABOVE CEILING (TYP) UP WALL THRU WALL 1 1/2"

*New Storage closet*



PLUMBING FIXTURES

MANUFACTURERS

Provide plumbing fixtures of one of the following:

Lavatories, Service Sinks, Water Closets, Urinals, Bath Tubs:  
American Standard; U.S. Plumbing Products;  
Crane Co.  
Kohler Co.

Stainless Steel Sinks:  
American Standard; U.S. Plumbing Products;  
Elkay Mfg. Co.  
Just Mfg. Co.  
Moen; Div. of Stonadyne.

Map Basins:  
Aquarius Industries, Inc.  
Bradley Corp.  
Ejler Plumbingware Div.; Household International Co.  
Flat Products  
Kohler Co.

Faucets:  
American Standard; U.S. Plumbing Products;  
Artistic Brass;  
Chicago Faucet Co.  
Delta Faucet Co.; Div. of Masco Corp.  
Elkay Mfg. Co.  
Kohler Co.

Flush Valves:  
Coyne & Delany Co.  
Sloan Valve Co.

Water Closet Seats:  
Bemis Mfg. Co.  
Beneke Corp.  
Forbes-Wright Industries, Inc.; Church Products.  
Olsonite Corp.; Olsonite Seats.

Fixture Supports:  
Josam Mfg. Co.  
Kohler Co.  
Tyler Pipe.  
Zurn Industries, Inc.; Hydromechanics Div.

FIXTURE SCHEDULE:

P-1 TANK TYPE WATER CLOSET, FLOOR MOUNT, ELONGATED, WATER SAVING:

American Standard "CADET" #2109.405, vitreous china, close coupled, siphon jet action, 15" high with ball caps and 3/8" angle supply. Seal to be Church #2907L open front with cover.

Connections: 1/2" CW, 3" W, 2" V.

P-1H TANK TYPE WATER CLOSET, HANDICAPPED, FLOOR MOUNT, ELONGATED, WATER SAVING:

American Standard "CADET", #2108.408, elongated bowl, siphon jet action, close coupled tank, 18" high with ball caps and 3/8" angle supply. Seal to be Church #2907L open front with cover.

Connections: 1/2" CW, 3" W, 1 1/2" V.

P-2 URINAL, WALL HUNG:

American Standard "Washbrook" #6501.010, 3/4" inlet spud, vitreous china, washout urinal, with Sloan Royal 186-11 water saver flush valve. Provide Zurn #ZR-1222 concealed carrier. Mount top of rim 24" above floor.

Connections: 3/4" CW, 2" W, 1 1/2" V.

P-2H URINAL, WALL HUNG, HANDICAPPED:

American Standard "Washbrook" #6501.010, 3/4" inlet spud, vitreous china, washout urinal, with Sloan Royal 186-11 water saver flush valve and compatible chair carrier. Mount lip 17" above floor.

Connections: 3/4" CW, 2" W, 1 1/2" V.

P-3H LAVATORY, COUNTERTOP:

American Standard "AQUALYN", #0476.02B, 4" centers, 20" x 17" oval, self-rimming vitreous china, front overflow with Moen #4695 lever faucet and waste assembly, American Standard #2303.154 supplies and #4401.014 adjustable "P" trap.

Connections: 1/2" CW, 1/2" HW, 1 1/2" W, 1 1/2" V.

P-4 LAVATORY, WALL HUNG:

American Standard "SCOTIAN" #0361.055 vitreous china, front overflow, soap depression, integral backsplash, 4" centers, 20" x 18". Faucet to be Moen #4695, centerset with lever handle and waste assembly. Supply stops to be American Standard chrome plated with loose keys.

Connections: 1/2" HW & CW, 1 1/2" W, 1 1/2" V.

P-5 WALL HYDRANT:

Woodford No. 25 series, 3/4" self draining, vacuum breaker backflow preventer, 3/4" hose thread.

Connections: 3/4" CW

P-6 WASHING MACHINE SUPPLY AND DRAIN:

Guy Gray no. WBED-200-20, 1/2" water connections, 2" standpipe drain, 20 amp single electric grounding receptacle and dryer outlet duo-doz ball type water shut-off.

Connections: 1/2" CW, 1/2" HW, 2" W, 1 1/2" V.

P-7 ELECTRIC WATER HEATER:

Bradford-White no. MBOR50. 80 Gallon storage capacity, gph recovery at 100 degrees F. rise, energy saving, magnesium anode rod, two 4500 watt elements (non simultaneous operation), 208 volt.

Connection: 1" CW, 1" HW.

P-7A ELECTRIC WATER HEATER:

Bradford-White no. M30L50. 30 Gallon storage capacity, gph recovery at 100 degrees F. rise, energy saving, magnesium anode rod, two 4500 watt elements (non simultaneous operation), 208 volt, lowboy style.

Connection: 1" CW, 1" HW.

P-8 ELECTRIC WATER HEATER:

O.A. Smith No. DSE-5, 5 gallon storage capacity, 12 gph recovery at 100°F rise, one 3000 watt element, 7 day clock, 208 volt.

Connection: 3/4" CW, 1" HW

P-9 MOP SERVICE BASIN:

Flat Model MSB-2424, 24" x 24" x 10" high, molded steel white color, with drain body. Basin to be complete with #B30-AA service faucet, #B32-AA hose and hose bracket with #B89-CC mop hanger.

Connections: 1/2" CW, 1/2" HW, 3" W, 1 1/2" V.

P-10 KITCHEN FLOOR DRAIN WITH FUNNEL:

Zurn # ZS-1906-6, 12" x 12" type 304 Stainless Steel anti-for receptor, seepage pan, clamping collar, non-tilt loose-set grate with 1/2" holes and anti-splash interior dome strainer. Grate with 6" high x 6" diameter funnel, diameter pipe size.

P-11 KITCHEN FLOOR DRAIN:

Zurn # ZS-1906, 12" x 12" type 304 Stainless Steel anti-for receptor, seepage pan, clamping collar, non-tilt loose-set grate with 1/2" holes and anti-splash interior dome strainer. See drawings for sizes.

P-12 EXTERIOR HOSE BIBB:

Woodford Model B65, automatic draining, vacuum breaker-backflow preventer, frostproof wall hydrant enclosed in a flush mounting wall box with loose tee key.

Connection: 3/4" CW.

P-13 GREASETRAP:

Zurn #Z-1170E, size 700, 70 lbs. grease capacity, 35 gph per minute. Furnish with extended height as required for installation flush with floor, 4" inlet and outlet, non-skid cover.

Connections: 4" W.

P-14 ELECTRIC WATER COOLER:

Elkay model EHFS-8, 120 volts, 1 phase, 60 cycle. Wheelchair accessible. One piece backsplash and basin polished to a satin finish. Push bar on front and both sides.

Connections: 1/2" CW, 1 1/2" HW

FITTINGS, TRIM, AND ACCESSORIES

Fillet Seats: elongated, solid white plastic, closed back/open front, less cover, and having stainless steel check hinge and replaceable bumpers.

Supplies and Stops for Lavatories and Sinks: polished chrome-plated, loose-keyed angle stop having 1/2" inlet and 3/8" O.D. x 12" long flexible tubing outlet, and wall flange and escutcheon.

Supplies and Stops for Water Closets: polished chrome-plated, loose-keyed angle stop having 1/2" inlet and 3/8" O.D. x 12" long flexible tubing outlet with collar, and wall flange and escutcheon.

Traps: cast brass, 1-1/4" adjustable "P" trap with cleanout and waste to wall.

Tub Waste and Overflow Fittings: concealed lever operated pop-up bath waste and overflow, chrome plated waste spud with universal type outlet connection suitable for 1-1/2" I.P.S., or 1-1/2" O.D. tubing, or 1-1/2" solder-joint outlet connection on waste tee.

Escutcheons: chrome-plated sheet steel with friction clips.

EXAMINATION:

Verify all dimensions by field measurements. Verify that all plumbing fixtures may be installed in accordance with pertinent codes and regulations, the original design, and the referenced standards.

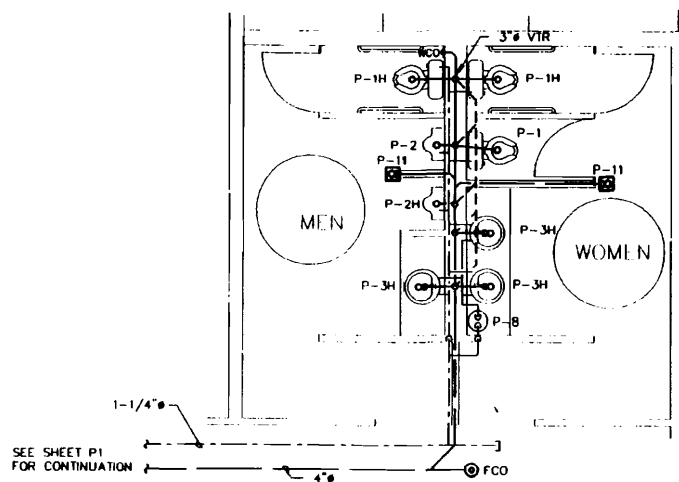
Examine rough-in for potable water and waste piping systems to verify actual locations of piping connections prior to installing fixtures.

Examine walls, floors, and cabinets for suitable conditions where fixtures are to be installed.

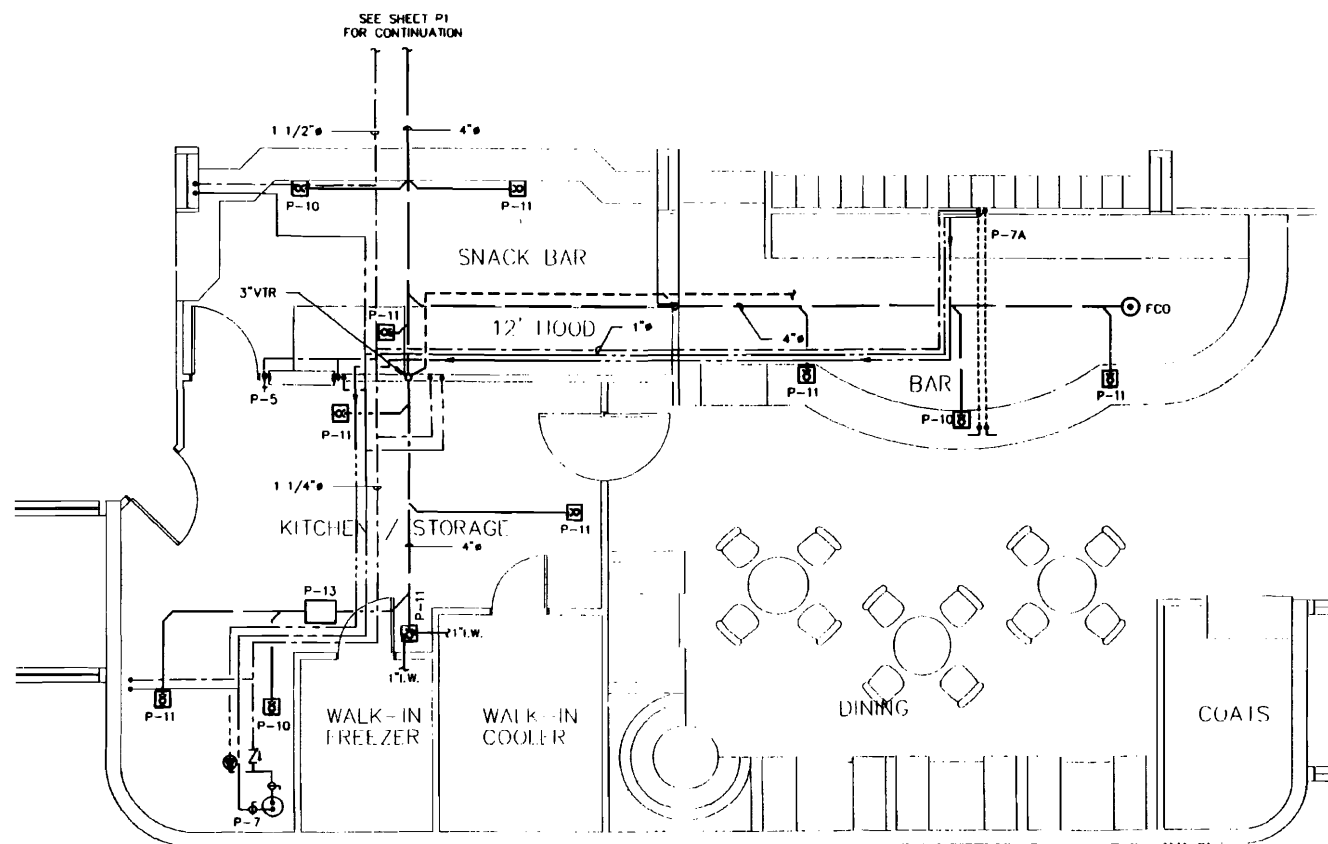
Do not proceed until unsatisfactory conditions have been corrected.

INSTALLATION

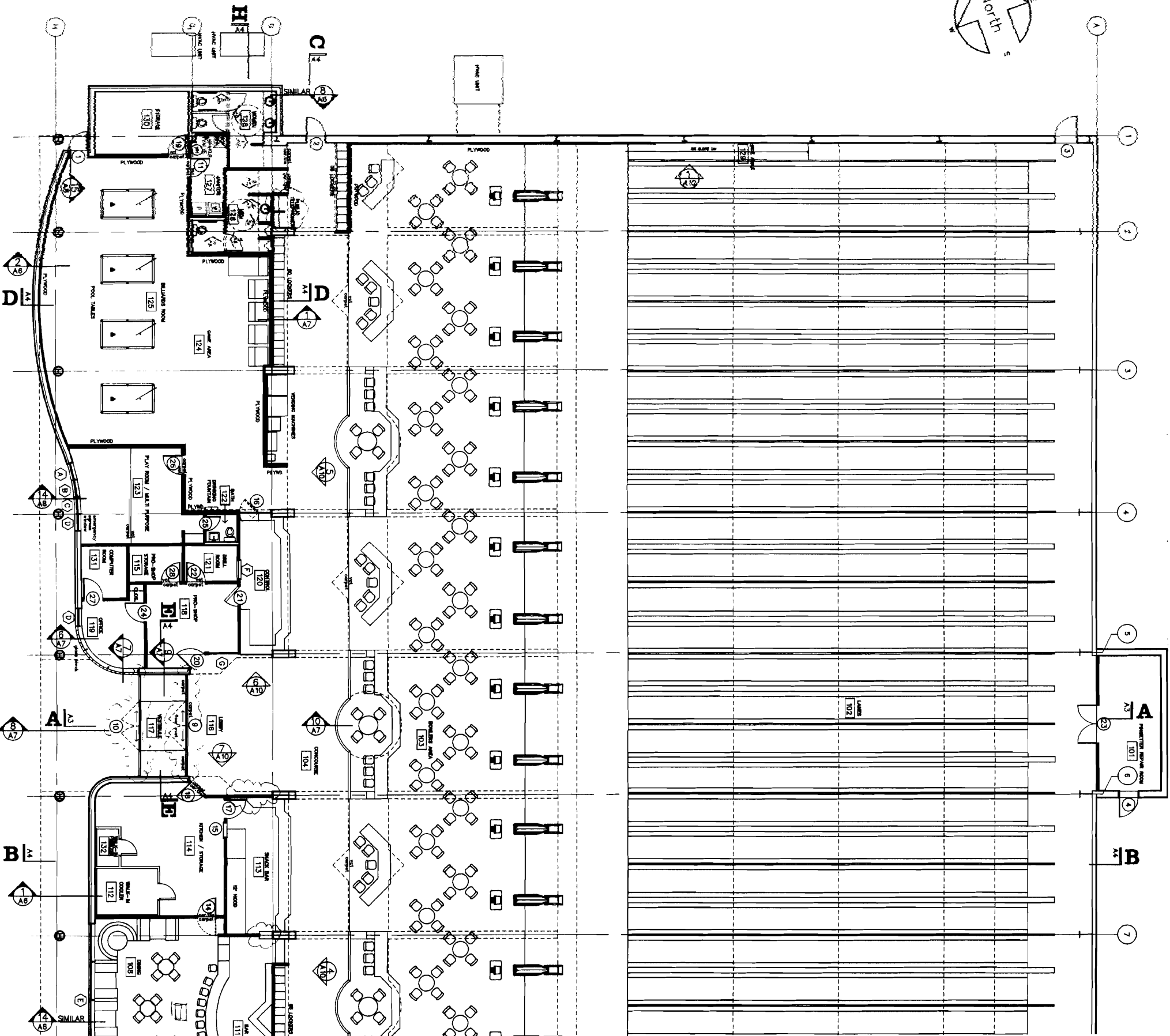
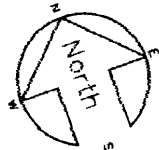
Install plumbing fixtures level and plumb, in accordance with fixture manufacturer's written instructions, rough-in drawings, and pertinent codes and regulations, the original design, and the referenced standards.



**PARTIAL FLOOR PLAN - BATHROOM AREA**  
 SCALE: 1/4" = 1'-0"



**PARTIAL FLOOR PLAN - BAR/KITCHEN AREA**  
 SCALE: 1/4" = 1'-0"



## EQUIPMENT SCHEDULE

PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL	CHARACTERISTICS	ELECTRIC	NOTES
AMU 1.2	HVAC AIR HANDLING UNIT	YORK D1CG180N320	6,000 CFM @ .6" S.P., 178,000 BTUH COOLING, 300,000 BTUH INPUT 237,000 BTUH OUTPUT HEATING, MINIMUM F.A.I. 750 CFM	208/3/60	① ③
AMU 3	HVAC AIR HANDLING UNIT	YORK D1CG180N320	6,500 CFM @ .6" S.P., 178,000 BTUH COOLING, 300,000 BTUH INPUT 237,000 BTUH OUTPUT HEATING, MINIMUM F.A.I. 750 CFM	208/3/60	① ③
AMU 6.5	HVAC AIR HANDLING UNIT	YORK D2CG036N082	1200 CFM @ .5" S.P., 36,000 BTUH COOLING, 100,000 BTUH INPUT, 81,000 BTUH OUTPUT HEATING, MIN. F.A.I. 200 CFM	208/3/60	① ③
D 1	WALL LOUVER W/ MOD	CARNES FLAA LOUVER	48"x92" LOUVER W/ MOTOR OPERATED DAMPER (SEE DETAIL)	-----	
D 2.3	WALL LOUVER W/ MOD	CARNES FLAA LOUVER	96"x42" LOUVER W/ MOTOR OPERATED DAMPER (SEE DETAIL)	-----	
EF 1	EXHAUST FAN	COOLAIR CABL30K	30" DIA., 8,000 CFM @ 1/8" S.P. 705 RPM	3/4 HP 208/3/60	②
EF 2.3	EXHAUST FAN	COOLAIR CABH42N	42" DIA., 20,000 CFM @ 1/8" S.P. 590 RPM	2 HP 208/3/60	②
EF 4	EXHAUST FAN	CARNES VDB10	475 CFM @ .25" S.P., 1,225 RPM	120/1/60 1/2 HP	W/ VIB. ISOLATORS
EF 5	EXHAUST FAN	CARNES VDB10	325 CFM @ .25" S.P., 1075 RPM	120/1/60 3/4 HP	W/ VIB. ISOLATORS
SH 1	GAS SPACE HEATER	SUBURBAN GSW-30K	30,000 BTUH INPUT, 22,200 BTUH OUTPUT, 2 SPEED FAN OPTION	120/1/60	
SH 2-5	ELECTRIC SPACE HEATER	DAYTON 4E193	3,839 BTUH, 1125 WATTS	208/1/60	
LH 1.2	GAS UNIT HEATER	REZTOR FE 75	75,000 BTUH INPUT, 60,000 BTUH OUTPUT, 4" VENT, 48" THROW 8' MOUNTING HEIGHT, 980 CFM	115/1/60 1/35 HP	SEE DETAIL
LH 3	ELECTRIC UNIT HEATER	DAYTON 3E341	7.5 KW, 25,600 BTUH, 700 CFM	208/1/60	
LH 4	ELECTRIC UNIT HEATER	DAYTON 2E669	5 KW, 17,600 BTUH, 400 CFM	208/1/60	
RIP 1	ROOFTOP PACKAGE KITCHEN VENTILATOR	CAPTIVEAIRE 18/24	5,500 CFM EXHAUST @ 3/4" S.P. MODEL CA24B 2650 CFM SUPPLY @ 3/4" S.P. MODEL RIP 18/24	208/3/60 EF 2 HP SF 1 HP	XX

- ① AIR HANDLING UNITS TO BE SUPPLIED W/ SIDE DUCT FLANGES FOR BOTH SUPPLY AND RETURN, DUAL INPUT ENTHALPY ECONOMIZER, LOW AMBIENT CONTROLS, OUTDOOR COIL GUARD.
- ② W/ BACK DRAFT DAMPER AND WALL HOUSING
- ③ EQUIPMENT FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. ALL CONTROLS FM BY CONTRACTOR ( TO MEET APPROVAL OF OWNER).
- ④ PROVIDE PITCHED CURB SUCH THAT UNIT IS MOUNTED LEVEL.

## DIFFUSER, REGISTER, GRILLE & LOUVER SCHEDULE

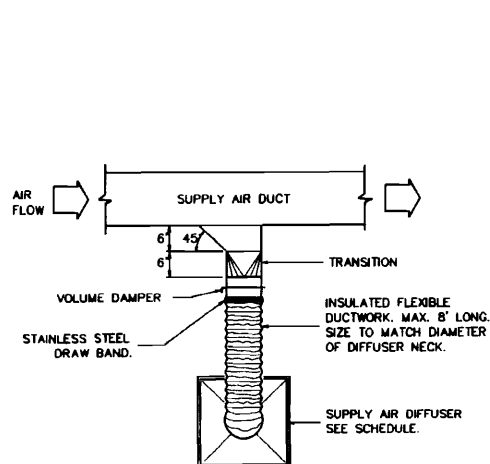
PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL	SIZE	CFM	MOUNTING	DAMPER	MATERIAL	FINISH	NOTES
1	SUPPLY AIR DIFFUSER	CARNES SFTA2414	24x24	SEE PLANS	T-BAR CLG	VD	STEEL	BY ARCH	SEE DETAIL 14"
2	RETURN AIR BOX	SHOP FABRICATED	24x24 48x24 SEE PLANS	SEE PLANS	T-BAR CLG	VD	STEEL	BY ARCH	SEE DETAIL
3	SUPPLY AIR DIFFUSER	CARNES SFTA2410	24x24	SEE PLANS	T-BAR CLG	VD	STEEL	BY ARCH	SEE DETAIL 10"
4	SUPPLY AIR DIFFUSER	CARNES SFTA2408	24x24	SEE PLANS	T-BAR CLG	VD	STEEL	BY ARCH	SEE DETAIL 8"
5	SUPPLY AIR DIFFUSER	CARNES RTDAV014008	14x8	SEE PLANS	DUCT MTD	VD	STEEL	BY ARCH	
6	EXHAUST GRILLE	CARNES RTAAH008008	8x8	SEE PLANS	T-BAR CLG	VD	STEEL	BY ARCH	
7	EXHAUST LOUVER	CARNES FLAA	20x16	SEE PLANS	WALL	VD	STEEL	BY ARCH	W/ B.D.D.

2" CLEARANCE THIMBLE



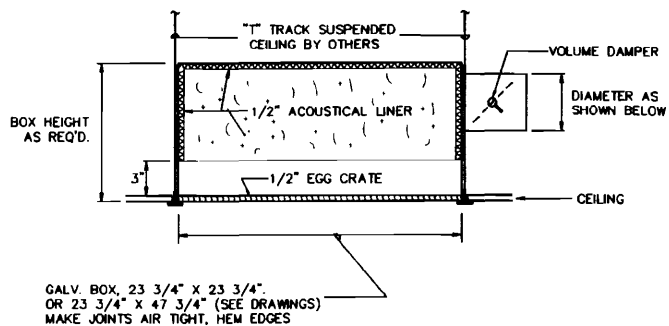
WALL -  
PITCH FLUE  
OUTLET 1/4"

TYPICAL



TYPICAL SUPPLY AIR DIFFUSER CONNECTION

NO SCALE



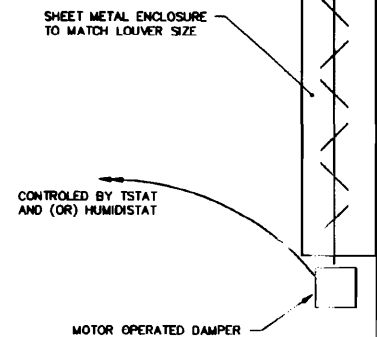
SECTION THRU RETURN AIR BOXES

NO SCALE

NOTE:

FLEX DUCT SIZES

CFM	SIZE
0-200	8"
201-360	10"
361-600	12"
601-900	14"
1200	2-12"
3000	3-14"



SECTION THRU FRESH

NO SCALE