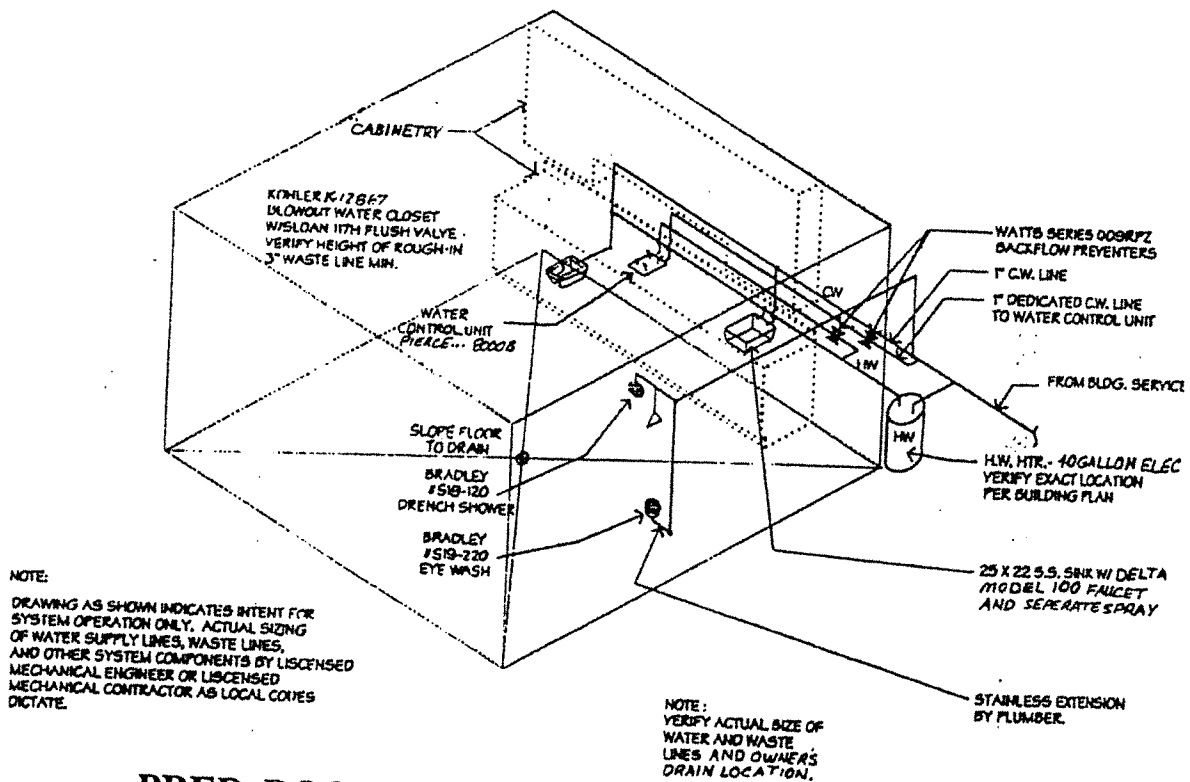


- D. Operation and Maintenance Manuals: Hardbound, indexed, tabbed, complete instructions for operating, maintenance and cleaning; service center locations; assembly drawings/parts list/wiring diagrams. By appointment, instruct the Owner(s) and building maintenance personnel in the operation and maintenance of pertinent systems utilizing the manual when doing so. Provide Contractor with Owner's signature/verification of instruction.
- E. Permit(s): Required.

Standards: Manufacturer's, ANSI.

Requested Alternates:

1. Pricing of gas piping.
2. Pricing of sewer and water utility piping to within 5' of building.

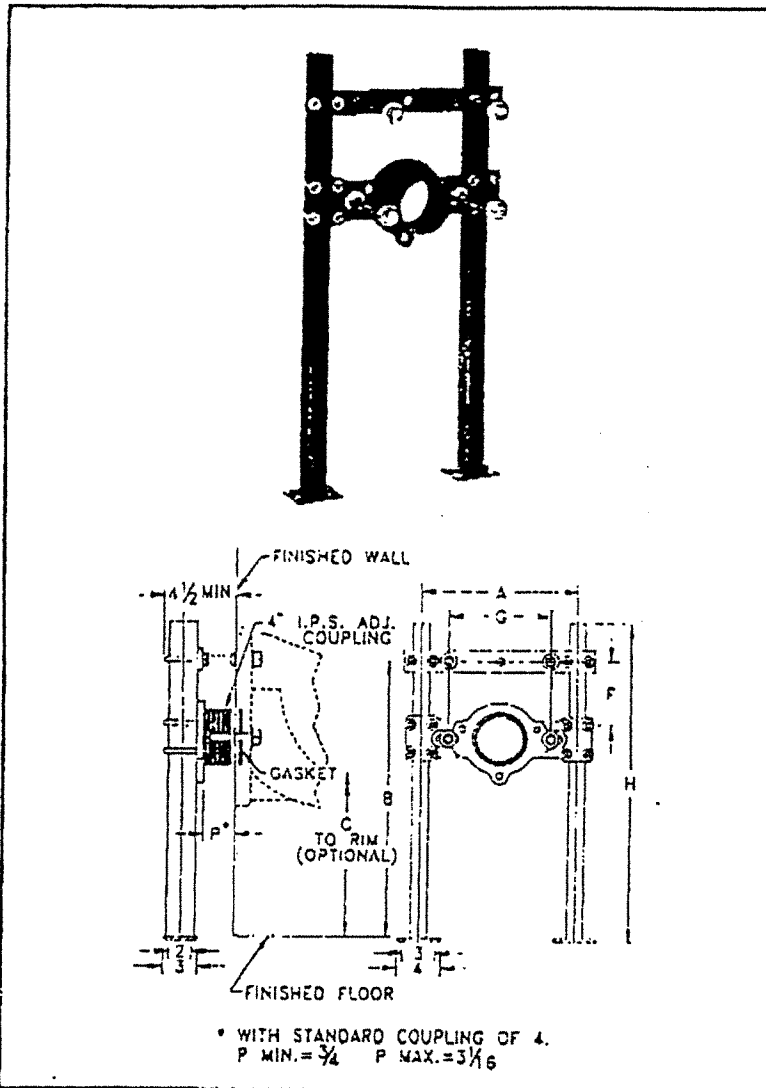


## PREP. ROOM DOMESTIC WATER SCHEMATIC

R.F.Z. BACKFLOW PREVENTION (OPTION 2)

N.T.S. V97

## Z-1218 COUPLING TYPE SYSTEM - Wall Urinal/Service Sink



| Product Number | Outlet Inches | App. WL Lbs. | Z*       |
|----------------|---------------|--------------|----------|
| Z-1218         | 3-4           | 63           | \$167.00 |

**ENGINEERING SPECIFICATION:** ZURN Z-1218 Service sink support system. Complete with Dura-Coated rectangular steel uprights with welded feet, adjustable universal support plate and hanger plate, adjustable ABS coupling with integral test cap, fixture mounting bolts and trim.

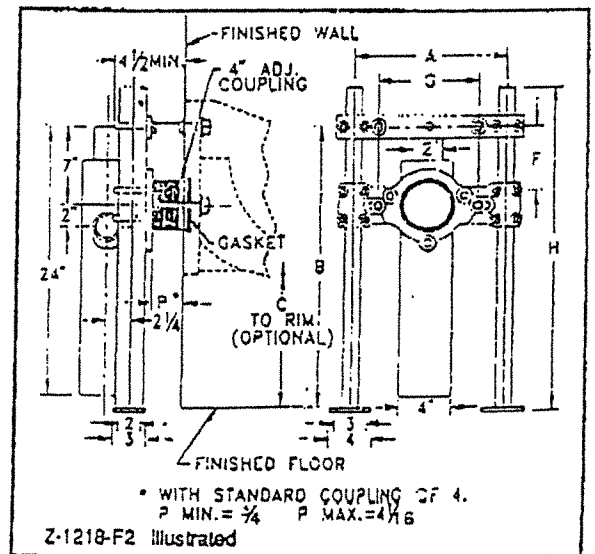
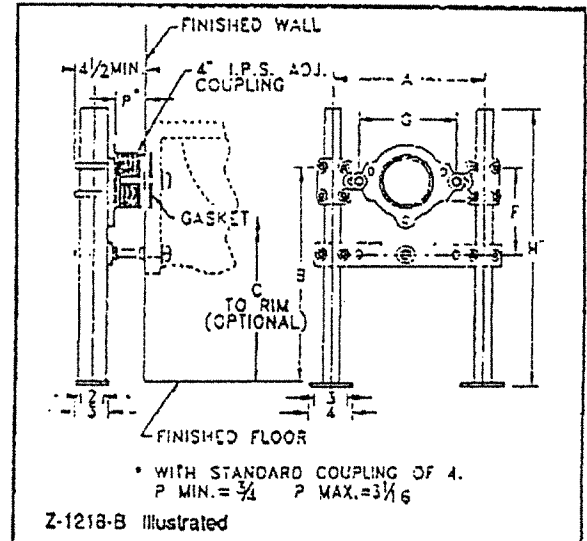
### OPTIONS

#### PREFIXES (See Chart for Pricing)

Z- Dura-Coated System with "ZZ" Coupling\*

#### SUFFIXES

| SUFFIXES   | ADD     |
|--|---------|
| -B Blow Out Type Fixture Support .....             | N/C     |
| -CC Corrosion Resistant 6" Long Cast Iron Coupling | 14.00   |
| -CL Coupling Length Greater than 6" .....          | \$14.00 |
| (Specify Length Required)                          |         |
| -F2 Z-1208 Fitting with 2" Vent .....              | 110.00  |
| -F4 Z-1208 Fitting with 4" Vent .....              | 110.00  |
| -VP Vandal Proof Trim .....                        | 18.50   |
| -WS Wall Support Valve Plate .....                 | 20.90   |
| (Specify Valve Name and Number)                    |         |
| -79 Paraplegic Rough-In .....                      | 20.00   |

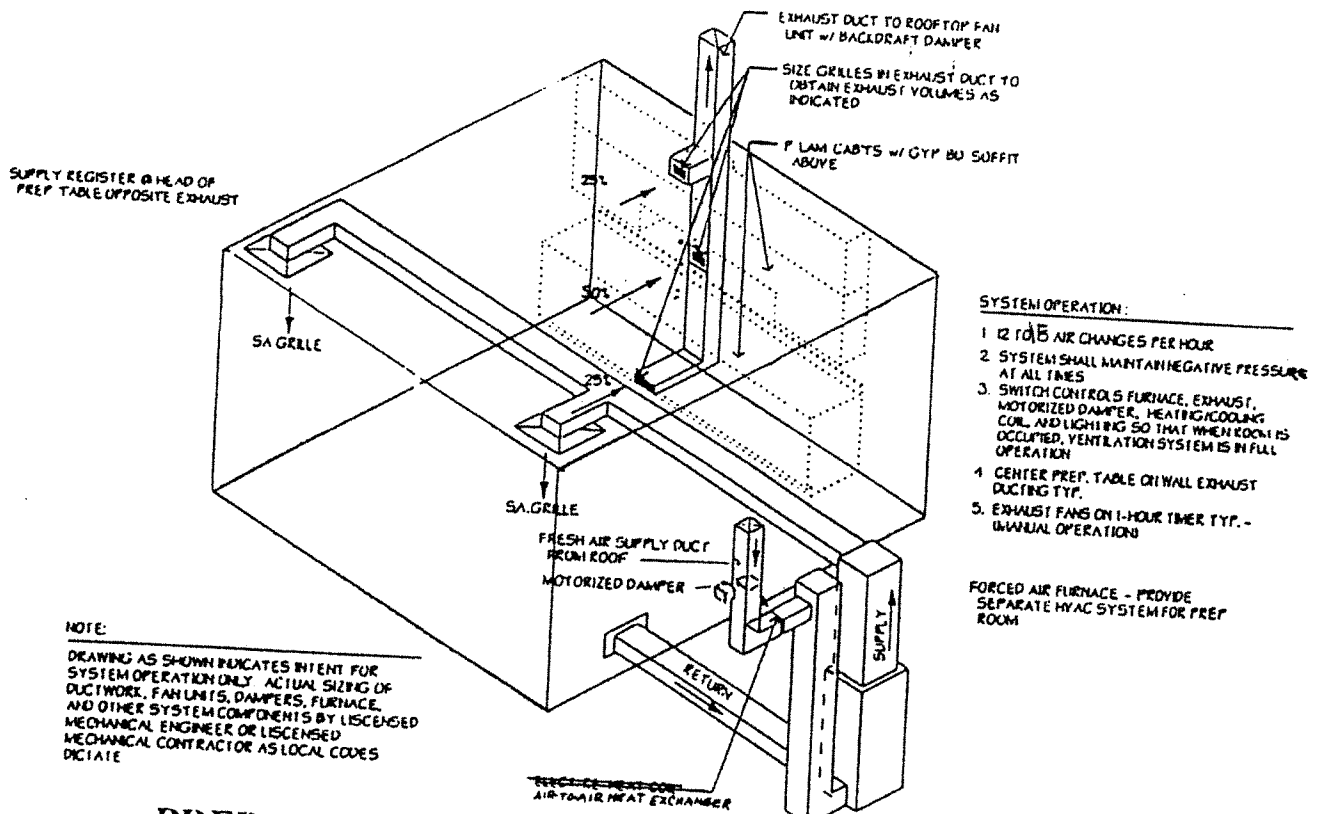


\*Regularly furnished unless otherwise specified. Letter dimensions to meet fixture requirements.

- D. Operation and Maintenance Manuals: Hardbound, indexed, tabbed, complete instructions for operating, maintenance and cleaning; service center locations; assembly drawings/parts list/wiring diagrams. By appointment, instruct the Owner(s) and building maintenance personnel in the operation and maintenance of pertinent systems utilizing the manual when doing so. Provide Contractor with Owner's signature/verification of instruction.
- E. Permit(s): Required.

Standards: Manufacturer's, ASHRAE, ANSI.

Requested Alternate: Price for gas piping.



- SYSTEM OPERATION:**
1. 12 TO 15 AIR CHANGES PER HOUR
  2. SYSTEM SHALL MAINTAIN NEGATIVE PRESSURE AT ALL TIMES
  3. SWITCH CONTROLS FURNACE, EXHAUST, MOTORIZED DAMPER, HEATING/COOLING COIL, AND LIGHTING SO THAT WHEN ROOM IS OCCUPIED, VENTILATION SYSTEM IS IN FULL OPERATION
  4. CENTER PREP. TABLE OR WALL EXHAUST DUCTING TYP.
  5. EXHAUST FANS ON 1-HOUR TIMER TYP. - MANUAL OPERATION

**NOTE:**  
DRAWING AS SHOWN INDICATES INTENT FOR SYSTEM OPERATION ONLY. ACTUAL SIZING OF DUCTWORK, FAN UNITS, DAMPERS, FURNACE, AND OTHER SYSTEM COMPONENTS BY LICENSED MECHANICAL ENGINEER OR LICENSED MECHANICAL CONTRACTOR AS LOCAL CODES DICTATE

## PREP. ROOM HVAC SCHEMATIC

N.T.S.

## DIVISION 16000 - ELECTRICAL

Scope of Work: Design, provide, and install a complete operational electrical plumbing system for building and site inclusive of and compliant with utilities, manufacturer's and state and local code official(s) requirements and the following:

- A. Service and distribution equipment and installation sized for current needs and per power company requirements with any and all necessary supporting devices (specifically include wiring to HVAC equipment, bath fans, wall-switched fireplace igniter and blower, overhead door opening(s). Provide underground wiring to transformer, site lighting and sign(s). Breaker panel labels shall be typed. Reflected ceiling plan showing lighting, switching, outlets, etc. indicates intent for system operation only. Contractor's bid price covers final design/installation compliance with applicable codes.
- B. Lighting equipment (fixtures) and installation related to interior, exterior, and special lighting (exit and emergency) applications. Refer to site and reflected ceiling plans. Allowance all decorative fixtures.
- C. Communications:
  - 1. Conduit for telephone system service is required under parking lot.
  - 2. Alarm detection system: separate price for this system if required by code.
  - 3. Clock and sensor system controls for exterior lighting (soffit, sign, parking lot).
  - 4. Conduit run into attic for telephone or other low voltage jacks at 15 locations.
  - 5. Door bell at flower delivery door and motion sensor at entry door wired to double-tone chimes located in the office, prep room, and garage.
- D. Electric Resistance Heating: Cabinet type units at vestibule(s).
- E. Controls, equipment and installation for operating and controlling electrical systems. Installation of environmental systems controls.
- F. Testing: Test all systems to assure proper operation. Demonstrate all systems to owner.

Submittals: In addition to submittals requested elsewhere in this specification, provide two (2) of each of the following for approval, unless noted otherwise:

- A. Shop Drawings: As necessary for submission to appropriate code official(s) for their code compliance review/approval; copy: Contractor, Architect, Owner (Utility Company if required).
- B. Samples: Required at contractor's discretion, for any product deviation from specification.
- C. Product Data (Cut) Sheets: Required for all fixtures, specified and incidental; five (5) bound sets.