TO HUMIDIFIER
FROM HUMIDIFIER

ARMSTRONG
NO. 880
STEAM TRAP

TO COIL
CONNECTIONS

1/2" ST

DISCHARGE FROM
CONDENSATE PUMP

1/2" ST

DIELECTRIC
UNION

DIELECTRIC
UNION

ARMSTRONG
NO. 880
STEAM TRAP

1" COPPER
PD

AIR CONDITIONING UNIT PIPING
**PROVIDE VERMIN SCREEN AT DISCHARGE**

- 18" DIA. CONCRETE PIPE (TYP. OF 2). ONE FILLED W/ROCK & ONE FILLED W/SAND

**REMOVABLE ACCESS COVER**

**GRADE**

**COUNTERTOP**

**EXTERIOR WALL**

**FINISHED FLOOR**

**SACRISTY**

**PENETRATION BACK INTO WALL**

**1-1/2" PENETRATION BACK INTO WALL**

**PROVIDE VERMIN SCREEN AT DISCHARGE**

**DRI SUMP DETAIL**

**COUNTERTOP**

**EXTERIOR WALL**

**REMOVABLE ACCESS COVER**

**GRADE**

**COUNTERTOP**

**EXTERIOR WALL**

**FINISHED FLOOR**

**SACRISTY**

**PENETRATION BACK INTO WALL**

**1-1/2" PENETRATION BACK INTO WALL**

**PROVIDE VERMIN SCREEN AT DISCHARGE**

**DRI SUMP DETAIL**

**COUNTERTOP**

**EXTERIOR WALL**

**FINISHED FLOOR**

**SACRISTY**

**PENETRATION BACK INTO WALL**

**1-1/2" PENETRATION BACK INTO WALL**

**PROVIDE VERMIN SCREEN AT DISCHARGE**

**DRI SUMP DETAIL**

**COUNTERTOP**

**EXTERIOR WALL**

**FINISHED FLOOR**

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**PENETRATION BACK INTO WALL**

**1-1/2" PENETRATION BACK INTO WALL**

**PROVIDE VERMIN SCREEN AT DISCHARGE**

**DRI SUMP DETAIL**

**COUNTERTOP**

**EXTERIOR WALL**

**FINISHED FLOOR**

**SACRISTY**

**PENETRATION BACK INTO WALL**

**1-1/2" PENETRATION BACK INTO WALL**

**PROVIDE VERMIN SCREEN AT DISCHARGE**

**DRI SUMP DETAIL**
6" Thick Concrete Pad
Reinforced W/#4 Bars
@ 6" O.C., Top & Bottom

ALHAMBRA Foundry, Model
# A-1329, 24" RD. Traffic
Rated Cover & Frame

4" Dia. Pipe To
Sump Pit

Wiring To Pump—
See Elect. DWGS.
(One for each Pump)

4" Thick Cast In Place
Concrete or Precast
Manhole Sump Pit.
(3'-0" Dia. X 4'-0" Deep)

4" Outlet—
See Plan For Cont.

Combine (2) Discharge Lines
into (1) and Drop into Top
of Main to Sewer Line

(2) Gate Valves

(2) Non-Slam
Check Valves

(2) 2" Pump
Discharge

Duplex Sewage Pump—
"Weil" Model No. 2429,
1 H.P., 1750 R.P.M.,
35 G.P.M. @ 30' Head,
Verify Voltage W/Elect.

NOTE:
SUMP INTERIOR FOR SEDIMENT AND PUMP
SHALL BE LINED WITH WATERPROOF COATING

DUPLEX SEWAGE EJECTOR DETAIL
EMERGENCY SHOWER & EYE WASH DETAIL

- 8" DIA. EMERGENCY HEAD
- 1/2" PLUG
- SUPPORT AS REQUIRED
- 1" I.P.S. SUPPLY
- 1 1/2" I.P.S.
- 1 1/2" I.P.S.
- STRAPS
- FLUSH VALVE
- BOTTOM OF TEE IS PLUGGED
- EDGE OF WALL
- WASTE TEE
- 9" DIA. FLANGE
- DRAIN
- SLOPE
- SLAB
- 7'-0"
- 5'-5"
- 3'-3"
EMERGENCY SHOWER
WITH EYE WASH
FLOOR DRAIN IN OPEN AREA

- FINISHED FLOOR SURFACE
- SLOPE TO DRAIN
- CONCRETE FLOOR SLAB
- LEAD AND OAKUM OR NEOPRENE GASKET
- FLOOR DRAIN STRAINER
- CERAMIC TILE AND SETTING BED
- WATERPROOF MEMBRANE
- CLAMP INTO DRAIN COLLAR
- DRAIN BODY POURED IN PLACE

Samples from www.AutoCADDetails.net
FLUSH VALVE SUPPORT DETAIL

FINISHED FLOOR

2 1/4" MIN.

11 1/2"

24"

FLUSH VALVE TAILPIECE SUPPORT

WALL

24"(P-1)
15"(P-1)
18"(P-1A)
8"(P-1A)

FINISHED FLOOR

N.T.S.
NOTES:

1. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

FREE STANDING DRINKING WATER COOLER
Lubricated Plug Valve

Incoming Gas Main

6" Deep Dirt Leg

Union

Equipment

Gas Equipment Connection
Gas Fired Water Heater

- HW Line IN
- See Plan for size
- Temp Gage (Typ)
- Gate Valve (Typ)
- CW Line IN
- See Plan For Size
- Expansion Tank
- 3/4"
- Gas Water Heater
- Gas Shut-off Valve
- Pipe Relief Valve to exterior
90 Deg Fitting

SINK

Waste

Bring Vent Up as High as Possible

High Water Level - Rim of Sink or the counter top

Vent Up in Wall

Cleanout

Foot Vent Below Floor Slope at 1/4" per foot

"Y" Fitting

Waste Below Floor

Cleanout

ISLAND VENT DETAIL
2" VENT
ENCLOSURE
REFER TO ARCH DWGS
HOT & COLD WATER
SUPPLY TO SINK
P-7
(1 BOWL SHOWN)
WATER SUPPLY
PIPE SUPPORT
6" COLLECTION
DRAIN ABOVE FLOOR

DOUBLE BOWL TYPE

LAUNDRY SINK DRAIN CONNECTION DETAIL
LIGHT FIXTURE

1/2"X1/2"X1/2" WHITE ACRYLIC EGGCRATE DIFFUSER

6" STRUCTURAL HEADER

MIRROR

4" BACKSPLASH

3/4" SOLID SURFACING LAVATORY COUNTER, SPLASH, AND FACING

2 X 8 CONT.

NOTE: DELETE THE LOWER 6" SECTION AT HANDICAP ACCESSIBLE LAV. COUNTER

REMOVABLE 3/4" SOLID SURFACING
1X4 CONT.-TOP AND BOTTOM

2X4 VERT. SUPPORTS @ 30" O.C. BETWEEN LAVATORIES AND ON WALLS ATENDS

LAVATORY W/RECESSED LIGHT
A. 3" Plumbing vent
6" above roof and 10" from corner

Sanitary Cross or Double sanitary tee

Lavatory trap arm: 1 1/2" if no longer than 42"; 1" if no longer than five feet.

Sink trap arm 1 1/2" if no longer than 42"; if no longer than five feet.

3" sanitary tee with 2" inlet

Tub trap: 1 1/2" if no longer than 42"; 2" if no longer than five feet.

4" x 3" closed bend

Two-way cleanout extended to grade 2" outside building. Use same materials as in building. Fittings are combination wye and bends.

One Bath Plumbing
SUPPORT AS REQUIRED

STAY-OPEN BALL VALVE

1 1/2" SUPPLY

1 1/2" GATE VALVE

DIELECTRIC UNION

8" DIA. EMERGENCY HEAD

EDGE OF WALL

SAFETY SIGN

ALTERNATE SUPPLY (PLUG)

EYE WASH

STRAPS

BOTTOM OF TEE, PLUGGED

FOOT TREADLE

FLOOR

9" DIA. FLANGE CUT TO FIT WALL

SAFETY SHOWER - EYE WASH DETAIL
NOTES:
1. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

SEMI-RECESSED DRINKING WATER COOLER
Two Bath Plumbing Diagram

A—2" re-vent, 3'-6" above floor
B—2" Vent, 6" Through Roof & 10" from cooler
C—3" Cleanout
D—1 1/2" Waste Line
E—Sanitary Tee
F—Fitting Double fixture
G—Combination Wye & eighth Bend
H—2" Clothes Washer Trap 6" to 10" above floor
I—2" Clothes Washer Standpipe
J—1 1/2" Plumbing Vent 6" above Roof
K—2" Cleanout
L—Sanitary Tee
M—2" waste Line
N—2" Waste Line
O—2" Cleanout
P—1 1/2" vent Thru Roof
Q—Sanitary Cross
R—Trap Arm
S—3" Waste Line
T—2" Shower Trap
U—Tub Trap
V—Cast Iron—90 deg Short Sweep
W—3"x2" Side Inlet "T"
X—2" Way Cleanout
Wall Cleanout Diagram (WCO)

- Chrome Wallcover and Screw
- Wall
- Plugged Tee With Cleanout
- Floor Line
- 1/8 C.I. Bend
- Balance of Piping Same as Cleanout to grade

Two-Way Cleanout To Grade Diagram (COTG)

- Finish Grade
- 16" Conc. Pad Trowel Smooth & Edge
- Brass Cleanout Plug W/Counter Sunk Head
- Long Radius C.I. Bend
- C.I. Waste Line
- Waste Line
- C.I. Waste Line
- Waste Line
LUG AND BOLTING ARRANGEMENT AS STANDARD WITH MFG

UPPER HANGER STANDARD WITH FIXTURE FURNISHED

LUG AND BOLTING ARRANGEMENT AS STANDARD WITH MFG

EXPOSED OR CONCEALED ARM BOLTED TO UNDER SIDE OF LAVATORY SUPPORT ARM TO SUIT FIXTURE FURNISHED

CAP NUTS & WASHERS.

TYPICAL MOUNTING FOR P-6 CAST IRON LAVATORY ON CELLULAR MASONRY WALL PIPE CHASE
UTILITY WALL BOX FOR CLOTHES WASHER

- 3/4" COMINATION SWEAT CONNECTION
- 1" COMINATION SWEAT CONNECTION
- 3/4" DHW
- 1" DCW
- WATER HAMMER ARRESTOR
- ACCESS PANEL
- CLOTHES WASHER WALL BOX
- 2" WASTE
- 42" FLOOR LINE
Turn Down Into Vent

Flangeed Flashing Sleeve

Sheet MTL. Pitch Dam

Roofing Plies

Extend VTR Thru Roof at a Min. of 1'-0" above Finished Roof and a Min. of 1'-0" from any vertical surface.

See Arch. Drawings For Roof Construction

Vent Size as Noted on Plans

Vent Thru Roof Diagram
NOTES:

1. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

WALL-HUNG DRINKING WATER COOLER
ENCLOSURE
REFER TO ARCH DWGS

1/2" WATER SUPPLY FAUCET (HOT AND COLD) W/STD 3/4" HOSE THREAD

PIPE STRAP

WATER SUPPLY PIPE SUPPORT REFER TO ARCH DRAWINGS

1/2" HOT & COLD WATER SUPPLY

WASHER (NOT IN CONTRACT)

WASHER WATER CONNECTION DETAIL
WASHING MACHINE HOOK-UP DETAIL

HOT

COLD

WASHING MACHINE ROUGH-IN UNIT

2” STAND PIPE

12” x 12” ACCESS PANEL

1-1/2” VENT

2” DRAIN TO SAN. SEWER

CLEANOUT

FINISHED FLOOR

2” P-TRAP

HOSE BIBB SUPPLY FITTINGS

APPROX. 36” AFF