

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

PIPING - GENERAL

DIRECTION OF FLOW	
DIRECTION OF SLOPE DOWN	
PIPE TURNING UP	
PIPE TURNING DOWN	
BRANCH CONNECTION - TOP	
BRANCH CONNECTION - BOTTOM	
BRANCH CONNECTION - SIDE	
PIPE ALIGNMENT GUIDE	
SERVICE VALVE (BALL OR BUTTERFLY)	
GLOBE VALVE	
CHECK VALVE	
CHECK VALVE WITH BALL DRIP	
BALANCING COCK	
UNION	
VALVE IN RISER	
PIPE CAP OR BLIND FLANGE	
OUTLETS (G, A, V, OX, CW, HW)	
EXPANSION JOINT	
PRESSURE REDUCING VALVE	
PRESSURE RELIEF VALVE	
PRESSURE GAUGE	
THERMOMETER	
FLEXIBLE PIPE CONNECTION OR JOINT	
STRAINER	
CLEANOUT PLUG	
FLOOR CLEANOUT	
WALL CLEANOUT	

PIPING - PLUMBING

STORM DRAIN (ABOVE LOWEST FLR CLG)	
OVERFLOW STORM DRAIN (ABOVE LOWEST FLR CLG)	
STORM DRAIN	
OVERFLOW STORM DRAIN	
SANITARY SEWER	
VENT	
GREASE WASTE	
COLD WATER	
HOT WATER (NUMBER DENOTES TEMPERATURE) (NO NUMBER INDICATES 120°F TEMP SYSTEM)	
HOT WATER RETURN (NUMBER DENOTES TEMP) (NO NUMBER INDICATES 120°F TEMP SYSTEM)	
AQUASTAT	
CLEANOUT TO GRADE	
WATER HAMMER ARRESTOR	
HOSE BIBB OR FREEZE-PROOF WALL HYDRANT	
ROOF DRAIN	
FLOOR DRAIN WITH TRAP	
DRAIN WITH TRAP	
GAS COCK	
BACKFLOW PREVENTER	

PIPING - FIRE PROTECTION

FIRE PROTECTION WATER MAIN	
DRY PIPE SPRINKLER	
AUTOMATIC SPRINKLER	
AUTOMATIC SPRINKLER DRAIN	
SPRINKLER HEAD - PENDENT OR UPRIGHT	
SPRINKLER HEAD - DRY HEAD	
SPRINKLER HEAD - CONCEALED	
SPRINKLER HEAD - SIDEWALL	
SPRINKLER HEAD - RELOCATED	
DRY PIPE ALARM VALVE ASSEMBLY	
ALARM VALVE ASSEMBLY	
STANDPIPE WITH HOSE VALVE	
SPRINKLER SYSTEM VALVE W/SUPERVISORY SWITCH	
FLOOR CONTROL VALVE ASSEMBLY W/SUPERVISORY & FLOW SWITCHES	
FIRE PUMP TEST HEADER	
FIRE DEPARTMENT CONNECTION	
FIRE HOSE CABINET - SURFACE	
FIRE HOSE CABINET - RECESSED	

MISCELLANEOUS

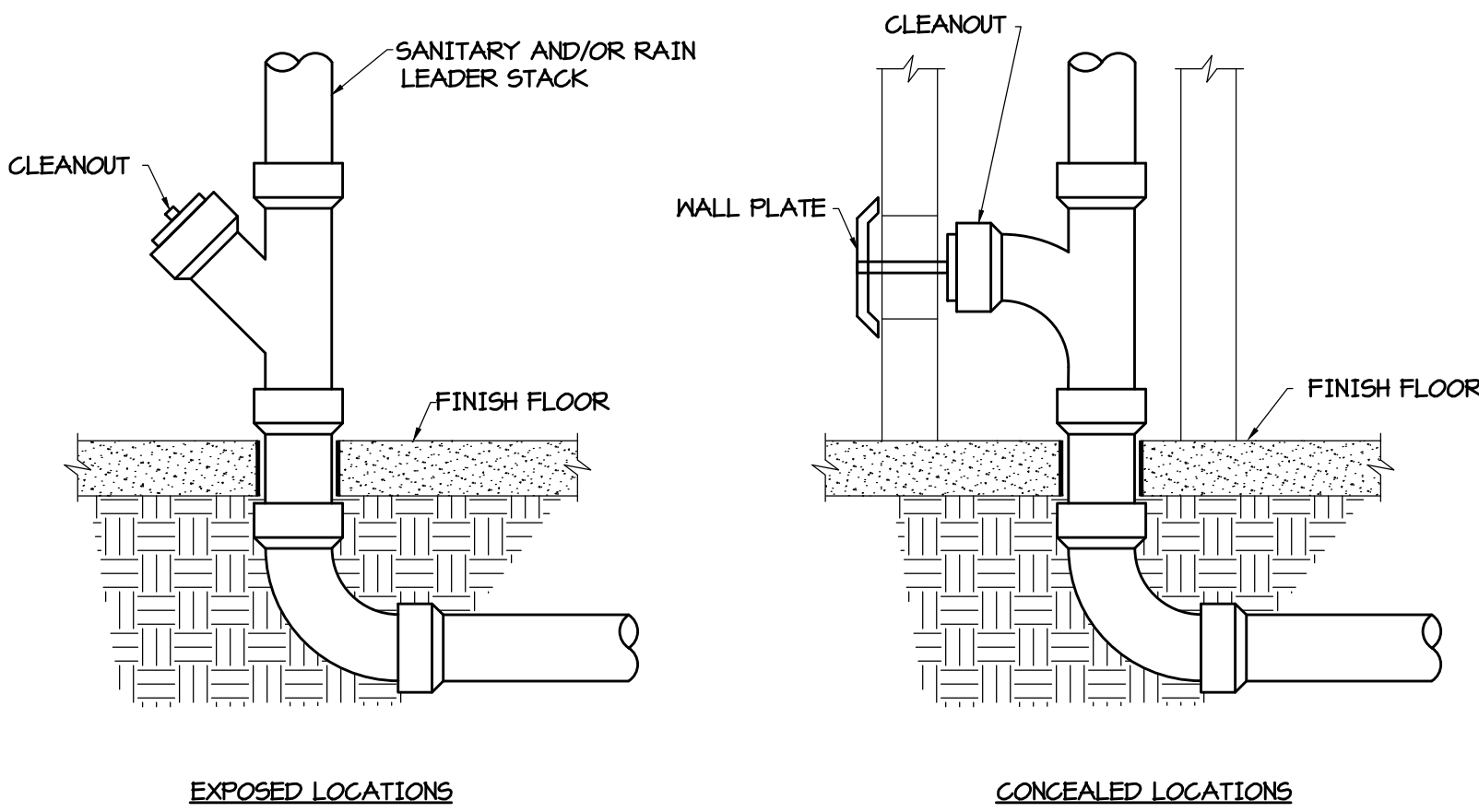
CONNECT NEW TO EXISTING	
DIAMETER	
PIPE REFERENCE	
OXYGEN	
VACUUM	
COMPRESSED AIR	
NITROGEN	
NITRIOUS OXIDE	
NATURAL GAS	

PIPING - SPECIAL

PLUMBING ABBREVIATIONS

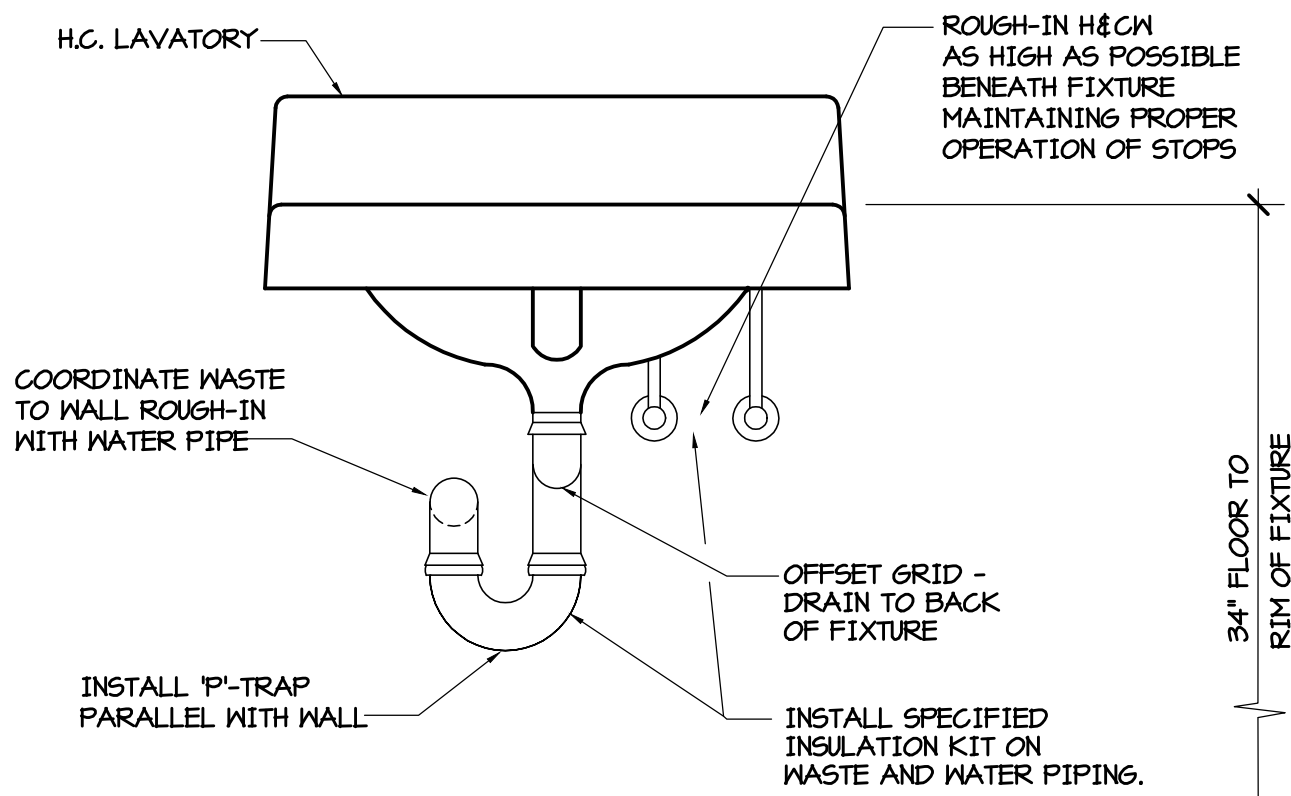
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AD	ACCESS DOOR
AFCV	AUTOMATIC FLOW CONTROL VALVE
AQ	AQUASTAT
ATD	AIR TRANSFER DUCT
AV	ALARM VALVE
BEL	BELOW
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CONC	CONCRETE
CO	CLEANOUT
CV	CUTOFF VALVE
CW	COLD WATER
DN	DOWN
DNV	DRAINAGE, WASTE AND VENT
ESA	EQUIPMENT SERVICE AREA
ENC	ELECTRIC WATER COOLER
F	FIRE
FD	FLOOR DRAIN
FL	FLOOR
FR	FROM
FS	FLOW SWITCH
FU	DRAINAGE FIXTURE UNIT
GAL	GALLON
G	GAS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HTR	HEATER
HW	HOT WATER
HWR	HOT WATER RETURN
HZ	FREQUENCY (CYCLES/SECOND)
HV	HOSE VALVE
HVC	HOSE VALVE CABINET
KW	KILOWATT
KWH	KILOWATT HOUR
LB/HR	POUNDS PER HOUR
LO	LOCKED OPEN
L	LAVATORY
MAV	MANUAL AIR VENT
MBH	BTU IN THOUSANDS
NC	NORMALLY CLOSED
OFD	OVERFLOW DRAIN
ORG	OVERFLOW RAIN CONDUCTOR
OS&Y	OUTSIDE SCREW AND YOKE
PIV	POST INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RC	RAIN CONDUCTOR
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VENT
SAN	SANITARY SEWER
SD	STORM DRAIN
SH	SHOWER
SP	SPRINKLER PIPE
SST	SOIL STACK
SVT	STACK VENT
SVTR	STACK VENT THRU ROOF
SS	SUPERVISORY SWITCH
S/S	STAINLESS STEEL
SV	SERVICE VALVE
SW	SWITCH
TC	TIMECLOCK
TSTAT	THERMOSTAT
V	VOLT/VENT
VAC	VACUUM
VS	VENT STACK
VE	VACUUM EXHAUST
VTR	VENT THRU ROOF
W	WASTE, WATTS
WM	WASHING MACHINE
WC	WATER CLOSET
WG	WATER GAGE (FEET OR INCHES)
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WS	WATER STOP
WST	WASTE STACK
WTR	WATER
Z	ZONE

THESE SYMBOLS AND ABBREVIATIONS ARE PLUMBING DEPARTMENT STANDARDS AND MAY NOT NECESSARILY BE APPLICABLE TO OR APPEAR ON THESE DRAWINGS, HOWEVER WHEREVER THESE SYMBOLS DO OCCUR ON THE DRAWINGS, THE ITEM SHALL BE PROVIDED AND INSTALLED. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL ABBREVIATIONS.



DETAIL-CLEANOUT @ STACK

NO SCALE



DETAIL - H.C. WALL MOUNT LAV

NO SCALE

FIXTURE SCHEDULE

MARK	FIXTURE/TYPE/LOCATION	MOUNTING HEIGHT	CW	HW	TRAP	SOIL OR WASTE	VENT	REMARKS
P-101	WATER CLOSET-TANK-PUB TOIL-HC	17"	1/2"	-	-	4"	2"	FLOOR MOUNT
P-201	NOT USED							
P-301	NOT USED							
P-401	LAVATORY-PUBLIC/RESIDENT-HC	34"	1/2"	1/2"	1-1/4"	2"	1-1/2"	
P-501	SINK-KITCHEN-DOUBLE BOWL	CTR TOP	1/2"	1/2"	1-1/2"	2"	1-1/2"	SINGLE LEVER FAUCET
P-502	SINK-PANTRY	CTR TOP	1/2"	1/2"	1-1/2"	2"	1-1/2"	UNDERMOUNT
P-503	SINK-OUTDOOR	34"	1/2"	1/2"	1-1/2"	2"	1-1/2"	
P-801	ICE MAKER CONN BOX	8"	1/2"	-	-	-	-	

FIXTURE SCHEDULE NOTES:

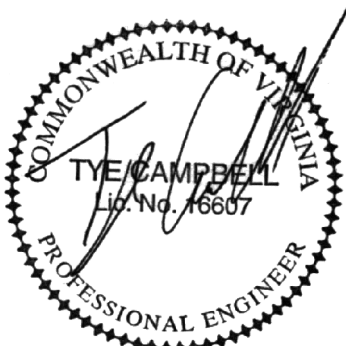
- SIZES GIVEN ARE FOR ONE FIXTURE ONLY. EXCEPTIONS, IF ANY, ARE SHOWN ON DRAWINGS.
- MOUNTING HEIGHT DIMENSIONS ARE FROM FLOOR TO FLOOD LEVEL RIM OF FIXTURE UNLESS NOTED OTHERWISE.
- WATER CLOSET FLUSH TANK LEVER OR FLUSH VALVE HANDLE SHALL BE ON WIDE SIDE OF WATER CLOSET.

ARCHITECT/ENGINEERS:

SFC

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Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
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Architecture
Engineering
Planning
Interiors



Approved: Energy Engineer

Approved: Infection Control

Approved: Service Chief

Drawing Title:
**PLUMBING LEGEND,
FIXTURE SCHEDULE,
NOTES + STD DETAILS**

Project Title:
**Patient Dining Area CLC
VA Medical Center**
SFCS Commission Number: 6527.00

Project Number:
658-307
Building Number(s):
2/2A

Office of
Construction
and Facilities
Management



CONSTRUCTION
DOCUMENTS

Approved: Safety Manager

Approved: Chief of Staff

Approved: Chief of Facility Management Services

Drawing Number:

P.O.O

Dwg. 44 of 65

Approved: Medical Center Director

Date:

03/15/12

Checked:

-

Drawn:

CMO