ABBREVIATIONS

A
- AB — ABOVE
- ACFM — ACTUAL CUBIC FEET PER MINUTE
- AD — AREA DRAIN
- ACT — ACOUSTICAL CEILING
- AFF — ABOVE FINISH FLOOR
- AG — AIR GAP
- AGA — AREA GAS ALARM PANEL
- AET — ACCESSORY EXPANSION TANK
- AP — ACCESS PANEL

B
- BFP — BACKFLOW PREVENTER
- BFV — BUTTERFLY VALVE
- BLV — BALL VALVE
- BOT — BOTTOM
- BV — BALANCING VALVE
- BWV — BACKWATER VALVE

C
- CA — COMPRESSED AIR
- CAV — CAPPED AND VALVED
- CB — CATCH BASIN
- CFH — CUBIC FEET PER HOUR
- CLG — CEILING
- COND — CONDENSATION
- CSS — CLINIC SERVICE (FLUSHING RIM) SINK
- CTE — CONNECT TO EXISTING
- CO — CLEANOUT
- CV — CHECK VALVE
- CW — COLD WATER

D
- DCVA — DOUBLE CHECK VALVE ASSEMBLY
- DF — DRINKING FOUNTAIN
- D.I.S.S. — DIAMETER INDEX SAFETY SYSTEM
- DN — DOWN THROUGH FLOOR
- DP — DROP
- DWG — DRAWING
- DWH — DOMESTIC WATER HEATER

E
- EL — ELEVATION
- ES — EMERGENCY SHOWER
- ETR — EXISTING TO REMAIN
- EW — EXISTING TO BE REMOVED
- EV — EVACUATION (WAGD) PIPING
- EW — EMERGENCY EYEWASH
- EWC — ELECTRIC WATER COOLER
- EX — EXISTING
- EXPTK — EXPANSION TANK

F
- FA — FRESH AIR INTAKE
- FCO — FLUSH FLOOR CLEANOUT
- FD — FLOOR DRAIN
- FFE — FINISH FLOOR ELEVATION
- FLR — FLOOR

G
- GC — GENERAL CONTRACTOR
- GM — GAS METER & REGULATOR SET
- GT — GREASE TRAP
- GV — FUEL GAS
- GVB — FUEL GAS VALVE BOX

H
- H&C — HOT & COLD WATER PIPING
- HB — HOSE BIBB
- HW — HOT WATER PIPING
- HWR — HOT WATER RETURN PIPING

I
- IE — INVERT ELEVATION
- INV — INVERT
- IW — INDIRECT WASTE

J
- JC — JANITOR'S CLOSET
- JSS — JANITOR'S SLOP SINK

K
- KEC — KITCHEN EQUIPMENT CONTRACTOR
- KW — KITCHEN WASTE (GREASE)

L
- L — LAVATORY
- LAB — LABORATORY
- LGA — LOCAL MEDICAL GAS ALARM PANEL
- LOW — LIMIT OF WORK
- LV — LOCKED MEDICAL VALVE

M
- MA — MEDICAL AIR
- MAC — MEDICAL AIR COMPRESSOR
- MGO — MEDICAL GAS OUTLET IDENTIFICATION
- MGA — MASTER MEDICAL GAS ALARM PANEL
- MH — MANHOLE
- MSB — MOP SERVICE BASIN
- MV — MEDICAL VACUUM PIPING
- MVE — MEDICAL VACUUM EXHAUST PIPING
- MVP — MEDICAL VACUUM PUMP

N
- N2 — NITROGEN PIPING
- N2O — NITROUS OXIDE PIPING
- NC — NORMALLY CLOSED
- NCP — NITROGEN CONTROL PANEL
- NIC — NOT IN CONTRACT
- NO — NORMALLY OPEN
- NPCW — NON-POTABLE COLD WATER
- NPHW — NON-POTABLE HOT WATER
- NTS — NOT TO SCALE

O
- OFCI — OWNER FURNISHED, CONTRACTOR INSTALLED
- OFI — OWNER FURNISHED & INSTALLED
- OX — OXYGEN PIPING

P
- PC — PLUMBING CONTRACTOR
- PLCD — PLUGGED
- PRV — PRESSURE REDUCING VALVE
- PRV/m — PRESSURE REDUCING VALVE ASSEMBLY
- PS — PRESSURE SWITCH
- PVB — PRESSURE VACUUM BREAKER
- PG — PRESSURE GAUGE

R
- RD — ROOF DRAIN
- RP — RECIRC. PUMP
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTER
- RV — RELIEF VALVE
- RW — RAIN WATER PIPING

S
- SH — SHOWER
- SK — SINK
- SL — SLOPE (1/8" PER FOOT)
- S.VR. W — SOIL OF WASTE PIPING
- SQ. FT. — SQUARE FEET
- ST — STOP & CHECK
- STR — STRAINER
- SP — SUMP PUMP
- SV — SPECIAL VENT
- SVTR — SPECIAL VENT THROUGH ROOF
- SW — SPECIAL WASTE

T
- T&P — TEMPERATURE & PRESSURE RELIEF VALVE
- TG — TEMPERATURE GAUGE
- TMV — THERMOSTATIC MIXING VALVE
- TOC — TOP OF CONCRETE
- TSP — TRAP PRIMER
- TR — THROUGH ROOF
- TYP. — TYPICAL

U
- UN — UNION
- UP — UP (THROUGH SLAB ABOVE)
- UP&DN — UP&DN (THROUGH FLOOR SLAB)
- U — URINAL
- UW — UNSAFE (NON-POTABLE) WATER PIPING

V
- V — VENT PIPING
- VAC — MEDICAL VACUUM PIPING
- VB — VACUUM BREAKER
- VE — MEDICAL VACUUM EXHAUST PIPING
- VP — VENT PIPE
- VS — VENT STACK
- VTR — VENT THROUGH ROOF

W
- W&T — WASTE AND TRAP
- W&V — WASTE AND VENT
- WAGD — WASTE ANESTHETIC GAS DISPOSAL
- WB — WATER BOOSTER
- WC — WATER CLOSET
- WCO — WALL CLEANOUT
- WFA — WATER FILTER ASSEMBLY
- WH — WALL HYDRANT
- WHA — WATER HAMMER ARRESTOR
- WP — WORK POINT

Y
- YCO — YARD CLEAN OUT

Z
- ZVB — MEDICAL GAS ZONE VALVE BOX

SYMBOLS LEGEND

- A1.2 / E — COLUMN LINE DESIGNATION
- A — MEDICAL GAS OUTLET DESIGNATION
- CONNECT TO EXISTING
- WC-1 — PLUMBING FIXTURE DESIGNATION
- X / AXXX — DRAWING NUMBER / SHEET NUMBER — DETAIL DESIGNATION
- X / XX — REVISION DESIGNATION
- K1 — KITCHEN EQUIPMENT DESIGNATION

GENERAL NOTES

DEMOLITION

1. DISCONNECT AND DISMANTLE EXISTING PLUMBING SYSTEMS AND EQUIPMENT TO BE DEMOLISHED AND LEAVE DEBRIS AND DISCONNECTED EQUIPMENT ON THE FLOOR FOR REMOVAL UNDER SECTION 02070 – SELECTIVE DEMOLITION.
2. REMOVE EXISTING PLUMBING STACKS, MAINS AND BRANCHES WHEN SERVING FIXTURES TO BE DEMOLISHED. REMOVE PIPING BACK TO WITHIN 24" OF THE ACTIVE MAIN AND PROVIDE CAP OR PLUG TO SUIT SYSTEM. OBTAIN EXISTING RECORD DRAWINGS FROM THE OWNER. MAINTAIN EXISTING PLUMBING RISERS AND STACKS SERVING FIXTURES TO REMAIN.
3. AFTER WALLS AND CEILINGS ARE REMOVED AND PIPING IS EXPOSED, VERIFY PIPING SERVES ONLY PLUMBING FIXTURES & EQUIPMENT INDICATED FOR DEMOLITION BEFORE SHUTDOWN FOR DISCONNECTION. IDENTIFY EXISTING PIPING WHICH SERVES FIXTURES & EQUIPMENT TO REMAIN. PROMPTLY NOTIFY ARCHITECT OF ACTIVE PIPING TO BE MAINTAINED WHEN LOCATED IN PARTITIONS TO BE DEMOLISHED.
4. REMOVE EXISTING STACKS AND RISERS LOCATED IN EXISTING PARTITIONS TO BE DEMOLISHED AND PROVIDE NEW OFFSET AT CEILING AND DROP THROUGH THE FLOOR AND RECONNECT TO THE EXISTING SERVICES AT THE FLOOR BELOW.

DRAWING LIST

PLUMBING

- P001 PLUMBING LEGENDS, NOTES, ABBREVIATIONS, AND SCHEDULES
- P002 PLUMBING TYPICAL DETAILS
- P203B.1 PLUMBING SUB-BASEMENT FLOOR PLAN
- P203B.2 PLUMBING SUB-BASEMENT FLOOR PLANS – DEMO /REMO
- P208 PLUMBING BASEMENT FLOOR PLAN
- P20G PLUMBING GROUND FLOOR PLAN
- P202 PLUMBING SECOND FLOOR PLAN
- P203 PLUMBING THIRD FLOOR PLAN
- P204 PLUMBING FOURTH FLOOR PLAN
- P205 PLUMBING FIFTH FLOOR PLAN
- P206 PLUMBING SIXTH FLOOR/ROOF PLAN
- P400 PLUMBING RISER DIAGRAM – NORTH
- P401 PLUMBING RISER DIAGRAM – SOUTH

General Notes:

1. THIS IS A STANDARD SYMBOL LIST. ALL SYMBOLS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEETS. ONLY THOSE INDICATED ON THE FLOOR PLANS AND DETAILS SHEETS SHOULD BE USED, AND ALL OTHERS SHOULD BE DISREGARDED.

PIPING LEGEND

GENERAL
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- NEW PIPING

WATER
- COLD WATER PIPING
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- HOT WATER PIPING (140°F)
- HOT WATER RETURN PIPING (140°F)
- DEIONIZED WATER PIPE
- DISTILLED WATER PIPE
- COLD WATER PIPING (HIGH PRESSURE)
- HOT WATER PIPING (HIGH PRESSURE)
- HOT WATER RETURN PIPING (HIGH PRESSURE)
- NON-POTABLE COLD WATER PIPING
- NON-POTABLE HOT WATER PIPING
- NON-POTABLE HOT WATER RETURN PIPING
- REVERSE OSMOSIS WATER PIPING
- REVERSE OSMOSIS DEIONIZED WATER PIPING
- TEPID WATER PIPING
- TEPID WATER RETURN

DRAINAGE
- SANITARY OR WASTE PIPING
- UNDER SLAB SANITARY OR WASTE PIPING
- VENT PIPING
- UNDER SLAB VENT PIPING
- GARAGE WASTE PIPING (GAS/OIL WASTE)
- UNDER SLAB GARAGE WASTE PIPING
- GARAGE VENT PIPING
- UNDER SLAB GARAGE VENT PIPING
- INDIRECT WASTE PIPING
- KITCHEN WASTE PIPING (GREASE WASTE)
- UNDER SLAB KITCHEN WASTE PIPING
- PUMPED DISCHARGE PIPING
- RAIN WATER PIPING
- UNDER SLAB RAIN WATER PIPING
- SPECIAL WASTE PIPING
- UNDER SLAB SPECIAL WASTE PIPING
- SPECIAL VENT PIPING
- UNDER SLAB SPECIAL VENT PIPING

GAS
- CARBON DIOXIDE PIPING
- COMPRESS AIR PIPING
- EVACUATION (WAGD) PIPING
- FRESH AIR INTAKE PIPING
- NATURAL GAS PIPING
- GAS HIGH PRESSURE
- NATURAL GAS VENT PIPING
- LABORATORY VACUUM PIPING
- MEDICAL AIR PIPING
- GAS MEDIUM PRESSURE
- MEDICAL VACUUM PIPING
- MEDICAL VACUUM EXHAUST PIPING
- NITROGEN PIPING
- NITROUS OXIDE PIPING
- OXYGEN PIPING
- SPECIAL GAS PIPING

PIPING SYMBOL LEGEND

DRAINS
- AD — AREA DRAIN
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- TD — TRENCH DRAIN

PIPING
- CAPPED
- CLEANOUT
- DOWN THROUGH FLOOR
- DROP (OR RISE)
- FLEX CONNECTOR
- FLOW ARROW
- FLUSH FLOOR CLEANOUT
- IN-LINE PRESSURE SENSOR
- PIPE GUIDE
- PRESSURE GAUGE
- PRESSURE SWITCH
- SLOPE (1" PER FOOT)
- UNION
- UP (THROUGH SLAB ABOVE)
- UP & DOWN (THROUGH FLOOR SLAB)
- UP & TRAP
- TEMPERATURE GAGE
- WASTE & TRAP

VALVES
- BACKWATER VALVE
- BALANCING VALVE
- BUTTERFLY VALVE
- CAPPED & VALVED
- CHECK VALVE
- DCVA — DOUBLE CHECK VALVE ASSEMBLY
- GAS COCK
- GATE VALVE
- HB — HOSE BIBB
- ISOLATION VALVE
- PRESSURE REDUCING VALVE
- PRESSURE REGULATING VALVE ASSEMBLY
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTER
- RELIEF VALVE
- STRAINER
- TEMPERATURE & PRESSURE RELIEF VALVE
- WH — WALL HYDRANT
- ZVB — MEDICAL GAS ZONE VALVE BOX

PLUMBING FIXTURE ROUGHING SCHEDULE

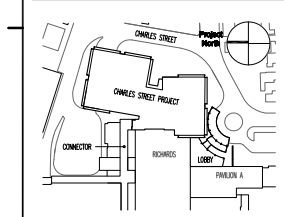
I.D.	FIXTURE TYPE	USE	CW	HW	S/W	V	REMARKS
WC-1	WATER CLOSET	TOILET ROOM	1"	–	4"	2"	WALL HUNG
WC-2	WATER CLOSET (HC)	TOILET ROOM	1"	–	4"	2"	WALL HUNG/ADA COMPLIANT
WC-3	WATER CLOSET	PATIENT TOILET ROOM	1"	–	4"	2"	WALL HUNG W/BEDPAN WASH
WC-4	WATER CLOSET (HC)	PATIENT TOILET ROOM	1"	–	4"	2"	WALL HUNG W/BEDPAN WASH
U-1	URINAL	TOILET ROOM	3/4"	–	2"	1-1/2"	WALL HUNG
L-1	LAVATORY	STAFF TOILET ROOM	1/2"	1/2"	2"	1-1/2"	CHINA DROP-IN/W GOOSENECK SPOUT
L-2	LAVATORY	PATIENT TOILET ROOM	1/2"	1/2"	2"	1-1/2"	WALL HUNG W/GOOSENECK SPOUT
L-3	LAVATORY	PATIENT, STAFF TOILET ROOM	1/2"	1/2"	2"	1-1/2"	INTEGRAL CORIAN W/GOOSENECK SPOUT
SK-1	HAND WASH SINK	MEDS, FORMULA	1/2"	1/2"	2"	1-1/2"	S.S. SELF RIMMING W/GOOSENECK SPOUT
SK-2	WORK SINK	SOILED UTILITY	1/2"	1/2"	2"	1-1/2"	S.S. SELF RIMMING W/GOOSENECK SPOUT
SK-3	WORK SINK	LOUNGE/NOUR.	1/2"	1/2"	2"	1-1/2"	S.S. SELF RIMMING W/SINGLE LEVER SWING SPOUT & INSTA HOT
SK-4	HAND WASH SINK	LDR	1/2"	1/2"	2"	1-1/2"	CHINA DROP-IN W/ELECT GOOSENECK SPOUT
SK-5	HAND WASH SINK	CCN, LDR, NICU	1/2"	1/2"	2"	1-1/2"	INTERGRAL CORIN W/ELECT. GOOSENEK SPOUT
SK-6	HAND WASH SINK	CORRIDOR	1/2"	1/2"	2"	1-1/2"	CHINA WALL HUNG W/GOOSENECK SPOUT
SK-7	HAND WASH SINK	SACRISTY	1/2"	1/2"	2"	–	S.S. SELF RIMMING W/GOOSENECK SPOUT
SK-8	HAND WASH SINK	NICU	1/2"	1/2"	2"	1-1/2"	WALL HUNG W/ELEC. EYE FAUCET
SK-9	HAND WASH SINK	NICU	1/2"	1/2"	2"	1-1/2"	SELF-RIMMING "BABY BATH" SINK W/ELECT. EYE
SS-1	SINGLE SCRUB SINK	THIRD FLOOR SCRUB AREAS	1/2"	1/2"	2"	1-1/2"	S.S WALL HUNG W/ELEC. EYE FAUCET
SS-2	DOUBLE SCRUB SINK	SECOND FLOOR SCRUB AREA	1/2"	1/2"	2"	1-1/2"	S.S WALL HUNG W/ELEC. EYE FAUCET
CSS-1	CLINIC SERVICE SINK	SOILED UTILITY	1"	3/4"	4"	2"	WALL HUNG W/BEDPAN WASH
SH-1	SHOWER	POSTPART./ANTRPART./TRIAGE	1/2"	1/2"	2"	1-1/2"	ACRYLIC 40" x 40" NEO ANGLE
SH-2	SHOWER (HC)	SECOND FLOOR TRIAGE ROOMS	1/2"	1/2"	2"	1-1/2"	ACRYLIC 41"x36" UNIT
SH-3	SHOWER (HC)	LDR	1/2"	1/2"	2"	1-1/2"	ACRYLIC 47"x36" UNIT
HT-1	HYDROTHERAPY TUB	LDR	1/2"	1/2"	2"	1-1/2"	ACRYLIC UNIT W/HYDROMESSAGE SYSTEM
MSB-1	MOP SERVICE BASIN	HOUSEKEEPING	3/4"	3/4"	3"	2"	W/VACUUM BREAKER OUTLET
EWC-1	ELECTRIC WATER COOLER	CORRIDOR	1/2"	–	2"	1-1/2"	S.S. BI-LEVEL UNIT
HB	HOSE BIBB	TOILET/MECH. RM	1/2"	–	–	–	W/VACUUM BREAKER
WH	WALL HYDRANT	EXTERIOR/COURTYARD	3/4"	–	–	–	W/VACUUM BREAKER
3" FD	FLOOR DRAIN	TOILET RM	1/2" (TP)	–	3"	2"	W/TRAP PRIMER CONNECTION
4" FD	FLOOR DRAIN	MECH.ROOM	1/2" (TP)	–	4"	2"	W/TRAP PRIMER CONNECTION

NOTES: COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS AND G.C.
ALL EXPOSED WASTE, TRAP, AND SUPPLIES SHALL WRAPPED IN PROTECTIVE INSULATION.

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET – NOT FOR CONSTRUCTION

FOR PERMIT ONLY - NOT FOR CONSTRUCTION

Issue Log



Key Plan

TRO
Architecture Planning Engineering Interior Design
The Ritkin Organization
60 Bridge Street
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Maine Medical Center
Charles Street Project
Portland, Maine
MMC Project No. 21841

Drawing Title
PLUMBING LEGENDS, NOTES, ABBREVIATIONS, AND SCHEDULES

0' 0 0 0 0

Commission No.	4673	Date Issued	
Scale	NTS	Sheet Number	
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