

**GENERAL NOTES**

- ALL GENERAL NOTES, SCHEDULES AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.
- PLUMBING WORK IS INDICATED DIAGRAMMATICALLY. EXACT LOCATIONS OF ALL COMPONENTS (NEW AND EXISTING) ARE TO BE DETERMINED IN THE FIELD AND BY THE ACTUAL BUILDING CONDITIONS. EQUIPMENT AND PIPING INTERFERING WITH OTHER INSTALLATIONS SHALL BE RELOCATED AS REQUIRED.
- COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE FLASHING AND COUNTER FLASHING FOR ROOF PENETRATIONS AS REQUIRED.
- PROVIDE PIPE SUPPORTS, GUIDES AND OFFSETS AS NECESSARY TO PREVENT UNDUE STRAIN ON PIPING.
- SEE DETAILS AND PIPING DIAGRAMS FOR ADDITIONAL VALVES AND FITTINGS NECESSARY FOR COMPLETE PIPING SYSTEMS.
- SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.
- CONTRACTOR SHALL FIELD VERIFY ALL CLEARANCES AND DIMENSIONS.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED SHUT-OFF VALVES EXCEPT THOSE ABOVE SUSPENDED CEILING.

**PLAN NOTES:**

- SEE GRADING, UTILITIES & EROSION CONTROL PLAN FOR CONTINUATION OF CITY WATER, STORM DRAIN AND SANITARY PIPING SYSTEMS.
- SANITARY BUILDING DRAIN AND RAIN WATERLINES BELOW GRADE SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- SANITARY BUILDING DRAIN AND RAIN WATERLINES ABOVE GRADE SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.

**PLUMBING GENERAL NOTES:**

- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXIST./NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEMS. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ARCHITECT.
- THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE CONTRACTOR'S PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE HOSPITAL/ARCHITECT FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK.
- CONTRACTOR IS TO MAINTAIN HVAC AND PLUMBING SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE. IF INTERRUPTION OF SERVICE IS REQUIRED COORDINATE SHUTDOWN WITH HOSPITAL. NOTIFY THE HOSPITAL A MINIMUM OF 5 DAYS PRIOR TO SHUT-DOWN.
- COORDINATE REMOVALS AND RELOCATION'S INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL.
- WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS.
- CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT MANNER.
- SPRINKLER PIPING AND HEADS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE SPRINKLER CONTRACTOR SHALL VERIFYING THE EXACT LOCATION, SIZE, QUANTITY, OF ALL SPRINKLER SYSTEM COMPONENTS. TO THE EXTENT POSSIBLE EXISTING SPRINKLER HEADS BRANCH RUNOUTS AND MAINS ARE TO REMAIN IN PLACE FOR REUSE. THE SPRINKLER SYSTEM SERVING THE RENOVATED AREA SHALL BE DESIGNED AND INSTALLED IN FULL COMPLIANCE WITH NFPA. SEE SPECIFICATION 15300. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF LIGHTS, DIFFUSERS, CEILING GRID AND SOFFITS.
- ALL PARTITION WALLS ARE FULL HEIGHT EXTENDING FORM THE FLOOR TO THE CONCRETE DECK ABOVE.
- FIELD VERIFY EXISTING EQUIPMENT AND PIPING PRIOR TO REMOVAL OR REUSE. CONFIRM WITH MMC THAT ALL EQUIPMENT AND PIPING DESIGNATED TO BE REMOVED IS NO LONGER IN SERVICE PRIOR TO ITS REMOVAL.
- EXISTING EQUIPMENT AND PIPING TO REMAIN IN SERVICE SHALL BE INSPECTED AND RESTORED TO GOOD SERVICEABLE CONDITION. REPAIR OR REPLACE AS REQUIRED.
- INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT, FULL THICKNESS OF SLAB. MAINTAIN 2 HR
- FIRE RATING. ALL EXISTING CONCRETE FLOORS AND CHASES ARE 2 HOUR FIRE RATED. FILL AND PATCH ALL OPENINGS IN WALLS WHERE CONDUITS, PIPES, DUCTS ETC.. ARE, OR HAVE BEEN REMOVED. MAINTAIN ALL FIRE RATINGS.
- ALL UNUSED (ABANDONED), PIPING AND EQUIPMENT INDICATED TO BE REMOVED SHALL BE REMOVED AND CAPPED.
- ALL EXISTING PIPING AND EQUIPMENT NOT SHOWN ON THE DWGS. SHALL REMAIN WITH NO CHANGE UNLESS NOTED OTHERWISE.
- TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON EXISTING CONDITIONS.
- ALL DOMESTIC WATER SUPPLY, VENT AND MEDICAL GAS PIPING SHALL BE RUN ABOVE CEILINGS OR WITHIN PARTITIONS UNLESS OTHERWISE NOTED.
- PLUMBING RISERS SHALL BE RUN CONCEALED WITHIN WALLS OR CHASES. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- COORDINATE FINAL LOCATIONS OF MEDICAL GAS OUTLETS, AND VALVE BOXES WITH ARCHITECT.

**PLUMBING LEGEND**

---	NEW PLUMBING VENT PIPING
----	NEW PLUMBING HOT WATER PIPING
----	NEW PLUMBING COLD WATER PIPING
----	NEW PLUMBING SANITARY PIPING
----	NEW MEDICAL GAS PIPING
----	EXISTING PLUMBING VENT PIPING
----	EXISTING PLUMBING HOT WATER PIPING
----	EXISTING PLUMBING COLD WATER PIPING
----	EXISTING PLUMBING SANITARY PIPING
----	EXISTING MEDICAL GAS PIPING
○	BALANCING VALVE
○	BALL VALVE
○	BACK FLOW PREVENTER
○	CHECK VALVE
○	GATE VALVE
○	PRESSURE REDUCING VALVE
○	SHUT-OFF VALVE
○	STRAINER
○	UNION
○	GAS METER
○	WATER METER
○	WATER HAMMER ARRESTER
○	PIPE SLOPE
○	P-TRAP
○	DIRECTION OF FLOW
○	PIPE UP / RISE
○	PIPE DOWN / DROP

○	POINT OF CONNECTION TO EXISTING
○	NEW PLUMBING FIXTURE
○	RELOCATED PLUMBING FIXTURE
○	EXISTING PLUMBING FIXTURE
○	NEW MEDICAL GAS ALARM PANEL OR VALVE BOX
○	EXISTING MEDICAL GAS ALARM PANEL OR VALVE BOX
○	NEW WALL MOUNTED RECESSED MEDICAL VACUUM OUTLET
○	NEW WALL MOUNTED RECESSED MEDICAL OXYGEN OUTLET
○	NEW WALL MOUNTED RECESSED MEDICAL AIR OUTLET
○	EXISTING WALL MOUNTED RECESSED MEDICAL VACUUM OUTLET
○	EXISTING WALL MOUNTED RECESSED MEDICAL OXYGEN OUTLET
○	NEW WALL MOUNTED RECESSED MEDICAL AIR OUTLET
○	AUTOMATIC AIR VENT
○	MANUAL AIR VENT

**ABBREVIATIONS:**

AAV	COMPRESSED AIR	FLR	FLOOR	RHR	REHEAT HOT WATER RETURN
ABV	AUTO AIR VENT	FIN	FINISH	RV	RELIEF VALVE
AD	ABOVE	FPHB	FREZEPROOF HOSE BIBB	RW	RAIN WATER LINE
AD	DUCT ACCESS DOOR	FT	FOOT/FEET	RWL	RAIN WATER LEADER
AFF	ABOVE FINISH FLOOR	FTR	FINTUBE RADIATION	SA	SHOCK ABSORBER
AFG	ABOVE FINISH GRADE	FU	FIXTURE UNIT	SAN	SANITARY
AP	ACCESS PANEL	FSD	COMBINATION FIRE SMOKE DAMPER	SAT	SUSPENDED ACCOUSTICAL TILE
AS	TANGENTIAL AIR SEPERATOR	GALS	GALLONS	SD	STORM DRAIN
BEL	BELOW	GC	GENERAL CONTRACTOR	SDR	SMOKE DAMPER
BFP	BACK FLOW PREVENTER	GPM	GALLONS PER MINUTE	SPEC	SPECIFICATION
BS	BELOW SLAB	GV	GATE VALVE	TCF	TEMPERATURE CONTROL PANEL
C&HW	COLD & HOT WATER	H	HEIGHT	TW	TEPID WATER
CD	CONDENSATE DRAIN	HTR	HEATER	TYP	TYPICAL
CHS	CHILLED WATER SUPPLY PIPING	HW	HOT WATER	U.G.	UNDER GRADE
CHR	CHILLED WATER RETURN PIPING	IN.	INCHES	U.S.	UNDER SLAB
CLG	CEILING	INV	INVERT	V	VENT
CO	CLEAN OUT	I.P.C.	INTERNATIONAL PLUMBING CODE	VB	VACUUM BREAKER
COL	COLUMN	IR	INDIRECT WASTE	VIF	VERIFY IN FIELD
CONN	CONNECTION	L	LAVATORY	VTR	VENT THRU ROOF
CW	COLD WATER	MA	MEDICAL AIR	W	WASTE
D	DRAIN	MBH	1000 BTU/HR.	W/	WITH
DIA	DIAMETER	MD	MOTORIZED DAMPER	WC	WATER CLOSET
DN	DOWN	MV	MEDICAL VACUUM	WCO	WALL CLEAN OUT
DWG	DRAWING	NOM	NOMINAL	WH	WATER HEATER
EC	ELECTRICAL CONTRACTOR	NTS	NOT TO SCALE		
EL	ELEVATION	O	OXYGEN		
EXIST	EXISTING	PC	PLUMBING CONTRACTOR		
FC	FLEXIBLE CONNECTION	PRV	PRESSURE REDUCING VALVE		
FCD	FLOOR CLEAN OUT	RD	ROOF DRAIN		
FD	FLOOR DRAIN	RED	REDUCER		
FOR	FIRE DAMPER	RHS	REHEAT HOT WATER SUPPLY		

**PLUMBING EQUIPMENT SCHEDULE**

TAG	DESCRIPTION	HW	CW	WASTE	INDIRECT WASTE	NOTES:
P-1	WATER CLOSET (ADA)	---	1"	4"	---	W/ HANDHELD BEDPAN CLEANER. ALL TRIM TO BE CONCEALED. SEE SPECIFICATION. UNDERMOUNT TO CORIAN COUNTER. EYEWASH AS INDICATED ON PLANS.
P-2	CLINICAL SINK	1/2"	1/2"	2"	---	
P-3	SHOWER TRIM	1/2"	1/2"	2"	---	
P-4	FLUSH RIM SINK	---	1"	4"	---	
P-5	CLINICAL SINK	1/2"	1/2"	2"	---	
NOTES:						



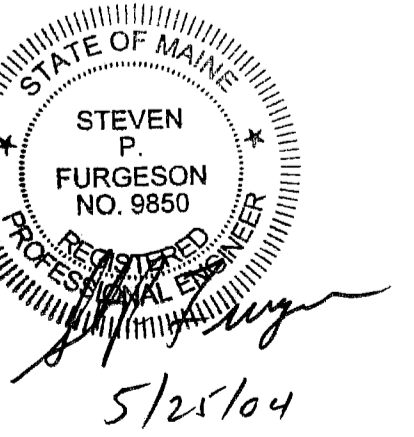
55 GREEN STREET  
PORTSMOUTH, NH 03801  
T 603.436.2551  
F 603.436.6973  
www.jsainc.com

**NEILL & GUNTER, Inc.**  
Design and Consulting Engineers  
Scarborough, Maine

**RENOVATIONS TO RICHARD'S 3rd FLOOR**

**MAINE MEDICAL CENTER**  
Portland, Maine

Scale: NONE  
Project Number: 03-103  
Date: MAY 25, 2004  
Revisions:



**CONSTRUCTION DOCUMENTS**

**P-1**



**PLUMBING SCHEDULES, LEGEND AND NOTES**

CAD FILE 25485P003

L:\25485\Cadd\ConstrDoc\25-04\_25485P003.dwg May 24, 2004 - 3:15 pm