SELECTIVE DEMOLTION NOTES

1. CONTRACTOR SHALL VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK OF THIS SECTION. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS.
2. PRIOR TO COMMENCING WORK OF THIS SECTION, EXAMINE SITE AND CONDITIONS UNDER WHICH WORK WILL BE PERFORMED. DETERMINE EXACT LOCATIONS OF EXISTING EQUIPMENT, PIPING AND CONTROLS. REPORT TO OWNER ANY CONDITIONS THAT MIGHT ADVERSELY AFFECT WORK. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
3. ABANDONING OF SPRINKLER HEADS, VALVES, PIPING OR EQUIPMENT IN PLACE SHALL NOT BE ALLOWED. COMPLETE REMOVAL REQUIRED UNLESS NOTED OTHERWISE.
4. PIPING TO BE REMOVED: REMOVE PORTION OF PIPING INDICATED TO BE REMOVED AND CAP REMAINING PIPING.
5. SPRINKLERS TO BE REMOVED: WHERE AN AREA WILL BE WITHOUT SPRINKLER PROTECTION FOR MORE THAN FOUR HOURS A FIRE WATCH SHALL BE PLACED INTO EFFECT UNTIL PROTECTION HAS BEEN RESTORED. ALL SPRINKLER HEADS MARKED FOR DEMOLITION SHALL BE COMPLETELY REMOVED.
6. EQUIPMENT TO BE REMOVED: DISCONNECT AND REMOVE EQUIPMENT. WHERE THE SYSTEM WILL BE EFFECTED FOR MORE THAN FOUR HOURS PROVIDE A TEMPORARY SYSTEM CAPABLE OF PROVIDING FOR THE EXISTING SYSTEM BEING REMOVED. COMPLETELY REMOVE ALL UNUSED EQUIPMENT CONNECTED TO DEMOLISHED EQUIPMENT.
7. COMPLY WITH ALL STATE AND LOCAL CODES AS TO REMOVAL AND DISPOSAL OF EQUIPMENT REMOVED FROM THE SITE.
8. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION.
9. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
10. COMPLY WITH ANSI A10.6 (SAFETY REQUIREMENTS FOR DEMOLITION OPERATIONS) AND NFPA 241 (STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS)
11. PERMITS: GIVE ALL REQUIRED NOTICES, FILE ALL REQUIRED PLANS AND SPECIFICATIONS RELATING TO THE WORK OF THIS SECTION WITH THE PROPER AUTHORITIES AND PAY FOR ANY REQUIRED PERMITS.
12. ALL EQUIPMENT AND SYSTEMS TO BE REMOVED OR DEMOLISHED UNDER THIS SECTION AND NOT DESIRED BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE ALL SUCH EQUIPMENT FROM THE SITE PROMPTLY AFTER DETACHMENT FROM BUILDING STRUCTURE.
13. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
14. IT IS UNKNOWN WHETHER HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER.
15. EXISTING PIPING SHOWN ON DRAWINGS DOES NOT INDICATE FULL EXTENT OF PIPING DEMOLITION. FIELD VERIFICATIONS REQUIRED.
16. SPRINKLERS EXISTING TO REMAIN: SPRINKLERS SHALL BE PROTECTED DURING DEMOLITION. SPRINKLERS DAMAGED DURING DEMOLITION SHALL BE REPLACED WITH NEW SPRINKLERS MATCHING THE MOUNTING TYPE (I.E. SIDEWALL FOR SIDEWALL OR SEMI RECESSED FOR SEMI RECESSED). MANUFACTURER SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO INSTALLATION. ALL WORK SHALL BE PERFORMED AT NO COST TO OWNER.
17. CONTRACTOR SHALL PRODUCE AND SUBMIT TO THE PROPER AUTHORITY HAVING JURISDICTION ALL SPRINKLER IMPAIRMENT PLANS REQUIRED BY STATE AND LOCAL JURISDICATIONS AND INSURANCE REQUIREMENTS. TEMPORARY SPRINKLER PROTECTION SHALL BE PROVIDED, AS REQUIRED.

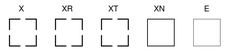
ABBREVIATIONS

CI	CAST IRON
CONTR	CONTRACTOR
CLDI	CEMENT LINED DUCTILE IRON
DN	DOWN
DR	DRAIN RISER
DWG	DRAWING
EA.	EACH
FCVA	FLOOR CONTROL VALVE ASSEMBLY
F.B.O.C.	FURNISHED BY OTHER CONTRACTOR
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.S.&Y.	OUTSIDE SCREW AND YOKE
PSI	POUNDS PER SQUARE INCH
RM	ROOM
TB	THRUST BLOCK
TS	TAMPER SWITCH

DEMOLITION LEGEND

"X"	EXISTING SPRINKLER HEAD, EQUIPMENT OR SYSTEM TO BE SELECTIVELY DEMOLISHED
"XR"	EXISTING FIRE PROTECTION EQUIPMENT OR SYSTEM TO BE REMOVED, STORED AND RELOCATED
"XT"	EXISTING FIRE PROTECTION EQUIPMENT OR SYSTEM TO BE REMOVED AND TURNED OVER TO OWNER FOR REUSE.
"XN"	NEW LOCATION OF EXISTING RELOCATED FIRE PROTECTION EQUIPMENT OR SYSTEM.
"E"	EXISTING SPRINKLER HEAD, EQUIPMENT OR SYSTEM TO REMAIN

EXAMPLE



VALVE LEGEND

GV	GATE VALVE
F.D.V.	FIRE DEPARTMENT VALVE
F.V.C.	FIRE VALVE AND CABINET
BV	BALL VALVE
BFV	BUTTERFLY VALVE
DV	DRAIN VALVE
DCV	DOUBLE CHECK VALVE
CV	CHECK VALVE
	UNION
FLG	FLANGE
PG	PRESSURE GAUGE
FSW	FLOW SWITCH
FDC	FIRE DEPARTMENT CONNECTION

DRAWING NOTES

A	HYDRAULIC NODE
A	DEMOLITION NOTE
A	NEW WORK NOTE
	CONNECT TO EXISTING
	CAP EXISTING
	LIMIT OF DEMOLITION
1	DRAWING REVISION DESIGNATION
	REVISION CLOUD
	ELECTRICAL AREA - THE AREA INDICATED IS AN ELECTRICAL ZONE. DUCTWORK, PIPING, AND SYSTEMS SHALL NOT RUN THROUGH THIS ZONE. EXCEPTION: PIPES, DUCTS, AND EQUIPMENT DEDICATED TO SERVE THE ZONE ARE ALLOWED. COORDINATE WITH ELECTRICAL CONTRACTOR AND COMPLY WITH ALL CODE CLEARANCE REQUIREMENTS.

PIPING LEGEND

FP	FIRE PROTECTION
WS	WET SPRINKLER PIPING
DS	DRY SPRINKLER PIPING
PA	PRE-ACTION SPRINKLER PIPING
D	DRAIN PIPING
FS	FLOW SWITCH
	FIRE HOSE CABINET (SURFACE MOUNTED)
	FIRE HOSE CABINET (RECESSED)
SB	SLEEVE BEAM
	RUN-OUT OFF TOP
	RUN-OUT OFF BOTTOM
	PIPE UP
	PIPE DOWN
	CAP ON END OF PIPE
	PIPE BREAK

SCHEDULES

F - SPRINKLER SCHEDULE

SYMBOL	DESCRIPTION	MFR	SIN	TEMP RATING	RESPONSE	COVER PLATE COLOR	SPRINKLER FINISH	K-FACTOR	Comments
●G	PENDENT; CONCEALED, GASKETED	RELIABLE	RA3415	165 °F	Quick	WHITE	N/A	5.6	PROVIDE RELIABLE QUICK RESPONSE SEAL GASKET.
●	PENDENT; CONCEALED	RELIABLE	RA3415	165 °F	Quick	WHITE	N/A	5.6	

GENERAL NOTES

1. FIRE PROTECTION SYSTEM AS SHOWN IS DIAGRAMMATIC AND FOR REFERENCE ONLY. DRAWINGS SHOW A SUGGESTED PIPING ROUTE ONLY. FIRE PROTECTION CONTRACTOR MAY ALTER PIPING ROUTE AND SPRINKLER HEAD LOCATIONS WITH APPROVAL OF ENGINEER.
2. SPRINKLER LOCATIONS ARE FOR REFERENCE ONLY. FIRE PROTECTION CONTRACTOR SHALL INSURE THAT PROPOSED FIRE PROTECTION DESIGN MEETS ALL REQUIREMENTS OF NFPA-13 INCLUDING ADEQUATE COVERAGE OF SPRINKLERS.
3. FIRE PROTECTION CONTRACTOR SHALL INSTALL NEW PIPING TAKE-OFFS WHERE NECESSARY TO PROVIDE ADEQUATE COVERAGE OR TO AVOID SUSPENDED CEILING FRAMING.
4. ALL PIPING CUT DURING DEMO PHASE SHALL BE CAPPED WHETHER INDICATED ON DRAWING OR NOT.
5. SPRINKLER SYSTEM HYDRAULICALLY DESIGNED TO PROVIDE AT LEAST THE MINIMUM REQUIRED DISCHARGE DENSITY OVER THE APPLICABLE DESIGN AREA FOR ALL AREAS INCLUDING THE HYDRAULICALLY MOST DEMANDING AREA, AS REQUIRED BY NFPA 13 AND BY OWNER'S INSURANCE UNDERWRITER.
6. THE CONTRACTOR SHALL FURNISH LABOR, MATERIALS, TOOLS AND OTHER EQUIPMENT REQUIRED TO INSTALL THE WORK SHOWN AND SPECIFIED. THE CONTRACTOR SHALL FURNISH AND INSTALL ITEMS NECESSARY FOR COMPLETE FIRE PROTECTION SYSTEM. MATERIALS SHALL BE NEW AND SHALL BEAR THE REGISTERED UL/FM MARK. WORK SHALL CONFORM WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13 AND APPLICABLE FEDERAL, STATE AND LOCAL CODES. CONTRACTOR SHALL SECURE PERMITS AND PAY THE FEES REQUIRED TO CARRY OUT HIS WORK. THE CONTRACTOR SHALL FURNISH COPIES OF CERTIFICATES AND PERMITS TO THE ARCHITECT.
7. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY ON FIRE PROTECTION DRAWINGS SHALL BE ADJUSTED FOR ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL CLEARANCES AND LIMITATIONS AND FOR EQUIPMENT SELECTION. FURNISH AND INSTALL ALL ELEMENTS REQUIRED TO COMPLETE INTENDED PIPING SYSTEMS WHETHER OR NOT THESE ELEMENTS ARE SPECIFICALLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS.
8. CONSULT ALL DRAWINGS, NOTE ARCHITECTURAL DETAILS AND ALL CONDITIONS THAT MAY AFFECT THE WORK AND CARE FOR SAME, WHILE EXECUTING THE WORK UNDER THIS SECTION. COOPERATE AND COORDINATE WITH THE ARCHITECT, ALL OTHER TRADES, BUILDING MANAGEMENT AND THE OWNER.
9. ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS.
10. IN EVENT OF CONFLICT BETWEEN OR AMONG SPECIFIED REQUIREMENTS AND PERTINENT CODES OR REGULATIONS, MORE STRINGENT REQUIREMENTS SHALL GOVERN.
11. TAKE ALL MEASURES REQUIRED TO PROTECT OWNER'S PROPERTY AND EQUIPMENT DURING COURSE OF WORK. SHOULD DAMAGE TO OWNER'S PROPERTY OR EQUIP. OCCUR, REPAIR DAMAGE PROMPTLY AT NO COST TO OWNER.
12. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT CONFORMANCE WITH EQUIPMENT AND MATERIALS MANUFACTURERS' WRITTEN RECOMMENDATIONS.
13. LOCATE PIPES TO FALL WITHIN PARTITIONS, WALLS, OR ROOF CAVITIES AND TO PRECLUDE FURRING, OTHER THAN THAT SHOWN ON ARCHITECTURAL DRAWINGS.
14. ALL FIRE PROTECTION EQUIPMENT, VALVES, ETC. SHALL BE INSTALLED WITH CLEARANCE FOR SERVICING AS RECOMMENDED BY THE MANUFACTURER.

HAZARD DESIGN CRITERIA

DESIGN CRITERIA	
DENSITY 0.10 GPM/SF	AREA OF APPLICATION 1,500 SQ. FT.
225 SQ. FT. PER HEAD	HOSE ALLOWANCE 250 GPM*
LIGHT HAZARD / FM HC-1 (UNLESS NOTED OTHERWISE)	

DESIGN CRITERIA	
DENSITY 0.20 GPM/SF	AREA OF APPLICATION 1,500 SQ. FT.
130 SQ. FT. PER HEAD	HOSE ALLOWANCE 250 GPM
ORDINARY HAZARD - GROUP 2 (AS NOTED ON DRAWING)	

*NOTE: INSURANCE REQUIREMENT IN EXCESS OF NFPA 13 REQUIREMENTS.

FIRE PROTECTION EQUIPMENT COORDINATION

FIRE PROTECTION CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND QUANTITIES OF EQUIPMENT RELEASED TO EACH TRADE.

FIRE PROTECTION DRAWING LIST

DWG NO.	DRAWING TITLE
F000	FIRE PROTECTION LEGEND AND SCHEDULES
F102	FIRE PROTECTION DEMOLITION PLAN
F202	FIRE PROTECTION NEW WORK PLAN
F300	FIRE PROTECTION DETAILS

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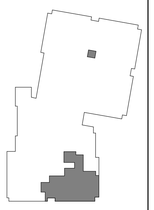
Key Plan



Project North

Maine Medical Center
LEVEL 2 OR RENOVATION
22 Bramhall Street, Portland, ME

REV	DESCRIPTION	DATE
	PERMIT SET	7.27.2017

STATE OF MAINE
SCOTT E. LECLAIR
No. 11519
LICENSED
PROFESSIONAL ENGINEER

SEAL:

PROJECT NUMBER: 2017009

DATE: 07/27/2017

SHEET TITLE AND NUMBER:

F000

FIRE PROTECTION LEGEND AND SCHEDULES