

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.

COORDINATION DRAWINGS SHALL BE DONE BETWEEN TRADES FOR ALL DUCTS, PIPING, CONDUIT, WIRING AND EQUIPMENT LOCATED IN PLENUM SPACES ABOVE CEILINGS TO ALLOW FOR OPERATIONS AND MAINTENANCE.

## ABBREVIATIONS

<b>A</b>	ACV AP AFC AFF AHJ ATC ATS	ALARM CHECK VALVE ASSEMBLY ACCESS PANEL ABOVE FINISH FLOOR AUTHORITY HAVING JURISDICTION ACOUSTICAL TILE CEILING AUTOMATIC TRANSFER SWITCH	<b>F</b>	F FCC FCVA FDC FDV FDVC FFE FHC FHR FLR FP FPC FPCR FM FS	FIRE FEED MAIN FIRE COMMAND CENTER FLOOR CONTROL VALVE ASSEMBLY FIRE DEPARTMENT CONNECTION FIRE DEPARTMENT VALVE FIRE DEPARTMENT VALVE CABINET FINISH FLOOR ELEVATION FIRE HOSE CABINET FIRE HOSE RACK FLOOR FIRE PUMP FIRE PUMP CONTROLLER FIRE PROTECTION CONTRACTOR FM 200 FLOW SWITCH	<b>N</b>	NAS NC NEW NIC NO NTS	NO AUTOMATIC SPRINKLERS NORMALLY CLOSED NEW PIPING OR EQUIPMENT NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE	<b>W</b>	WMG WS WTS	WATER MOTOR GONG WET SPRINKLER WATER TIGHT SLEEVE
<b>B</b>	BFP BFV	BACKFLOW PREVENTER BUTTERFLY VALVE				<b>O</b>	OFCI OFI OH-1 OH-2	OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED & INSTALLED ORDINARY HAZARD ONE ORDINARY HAZARD TWO			
<b>C</b>	CE CLG CONN CONT CONTR CSP CTE CV	CAP EXISTING CEILING CONNECTION CONTINUATION CONTRACTOR COMBINED STANDPIPE CONNECT TO EXISTING CHECK VALVE	<b>G</b>	GC GPM	GENERAL CONTRACTOR GALLONS PER MINUTE	<b>P</b>	PACV PC PG PS PSI PSIG	PREACTION CONTROL VALVE PLUMBING CONTRACTOR PRESSURE GAUGE PREACTION SPRINKLER POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE			
<b>D</b>	D DOVA DDOYA DN DP DPV DS DU DWG	DRAIN DOUBLE CHECK VALVE ASSEMBLY DOUBLE DETECTOR DOWN THROUGH FLOOR DROP DRY PIPE VALVE DRY SPRINKLER DELUGE SPRINKLER DRAWING	<b>H</b>	HT HVAC HYD	HIGH TEMPERATURE SPRINKLER HVAC CONTRACTOR HYDRANT	<b>R</b>	RPBP RN RS RV	REDUCED PRESSURE BACKFLOW PREVENTER RISER NIPPLE PIPE RISE (NOT THROUGH A FLOOR) RELIEF VALVE			
<b>E</b>	EC EL ELL EM ETR ETX EX	ELECTRICAL CONTRACTOR ELEVATION ELBOW EQUIPMENT MANUFACTURER EXISTING TO REMAIN EXISTING TO BE REMOVED EXISTING	<b>I</b>	IE INV IN ITD	INVERT ELEVATION INVERT INERGEN INSPECTOR'S TEST DRAIN	<b>S</b>	SF SP SPR STR	SQUARE FEET STANDPIPE SPRINKLER STRAINER			
			<b>J</b>	JPC JP	JOCKEY PUMP CONTROLLER JOCKEY PUMP	<b>T</b>	TEE TH TOP TYP	PIPING BRANCH TAKEOFF FIRE PUMP TEST HEADER TOP PIPE ELEVATION TYPICAL			
			<b>K</b>	KEC	KITCHEN EQUIPMENT CONTRACTOR	<b>U</b>	UN UP UP&DN	UNION UP (THROUGH SLAB ABOVE) UP&DN (THROUGH FLOOR SLAB)			
			<b>L</b>	LFPC LH	LIMIT OF FIRE PROTECTION CONTRACT LIGHT HAZARD						

## GENERAL NOTES

### DEMOLITION

- DISCONNECT AND DISMANTLE EXISTING SPRINKLER AND BRANCH PIPING AND LEAVE DEBRIS AND DISCONNECTED MATERIAL ON THE FLOOR FOR REMOVAL UNDER SECTION 02070 - SELECTIVE DEMOLITION.
- ALL EXISTING SPRINKLER MAINS, STANDPIPES AND DRAIN PIPING TO REMAIN SHALL BE KEPT ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF CONNECTIONS TO EXISTING SPRINKLER MAINS WHERE NEW CONNECTIONS ARE TO BE MADE.
- CONTRACTOR SHALL VERIFY IN FIELD AND/OR REFERENCE OWNER'S AS-BUILT DRAWINGS FOR EXACT LOCATIONS OF FIRE PROTECTION SYSTEM PIPING, SPRINKLERS, VALVES AND SIZES.
- IN THE EVENT OF ANY FIRE PROTECTION SYSTEM SHUTDOWNS NECESSARY FOR DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL RETURN FIRE PROTECTION SYSTEM TO ITS ORIGINAL OPERATING CONDITION AT THE END OF EACH WORK DAY.

### DESIGN CRITERIA

- OCCUPANCY CLASSIFICATION: LIGHT HAZARD  
AREAS: CORRIDORS  
TOILET ROOMS  
PATIENT ROOMS  
:  
ALL OTHER AREAS NOT DEFINED  
DENSITY: 0.10 GPM/FT<sup>2</sup>  
AREA OF APPLICATION: 1500 FT<sup>2</sup>  
COVERAGE PER SPRINKLER: 225 FT<sup>2</sup>  
INSIDE HOSE STREAM: 100 GPM  
OUTSIDE HOSE STREAM: 100 GPM
- OCCUPANCY CLASSIFICATION: ORDINARY HAZARD GROUP 1  
AREAS: MECHANICAL ROOMS  
STORAGE ROOMS  
  
DENSITY: 0.15 GPM/FT<sup>2</sup>  
AREA OF APPLICATION: 1500 FT<sup>2</sup>  
COVERAGE PER SPRINKLER: 130 FT<sup>2</sup>  
INSIDE HOSE STREAM: 100 GPM  
OUTSIDE HOSE STREAM: 250 GPM

**GOVERNING PARTIES**  
OWNER'S INSURANCE UNDERWRITER  
AUTHORITY HAVING JURISDICTION

## DRAWING LIST

### FIRE PROTECTION

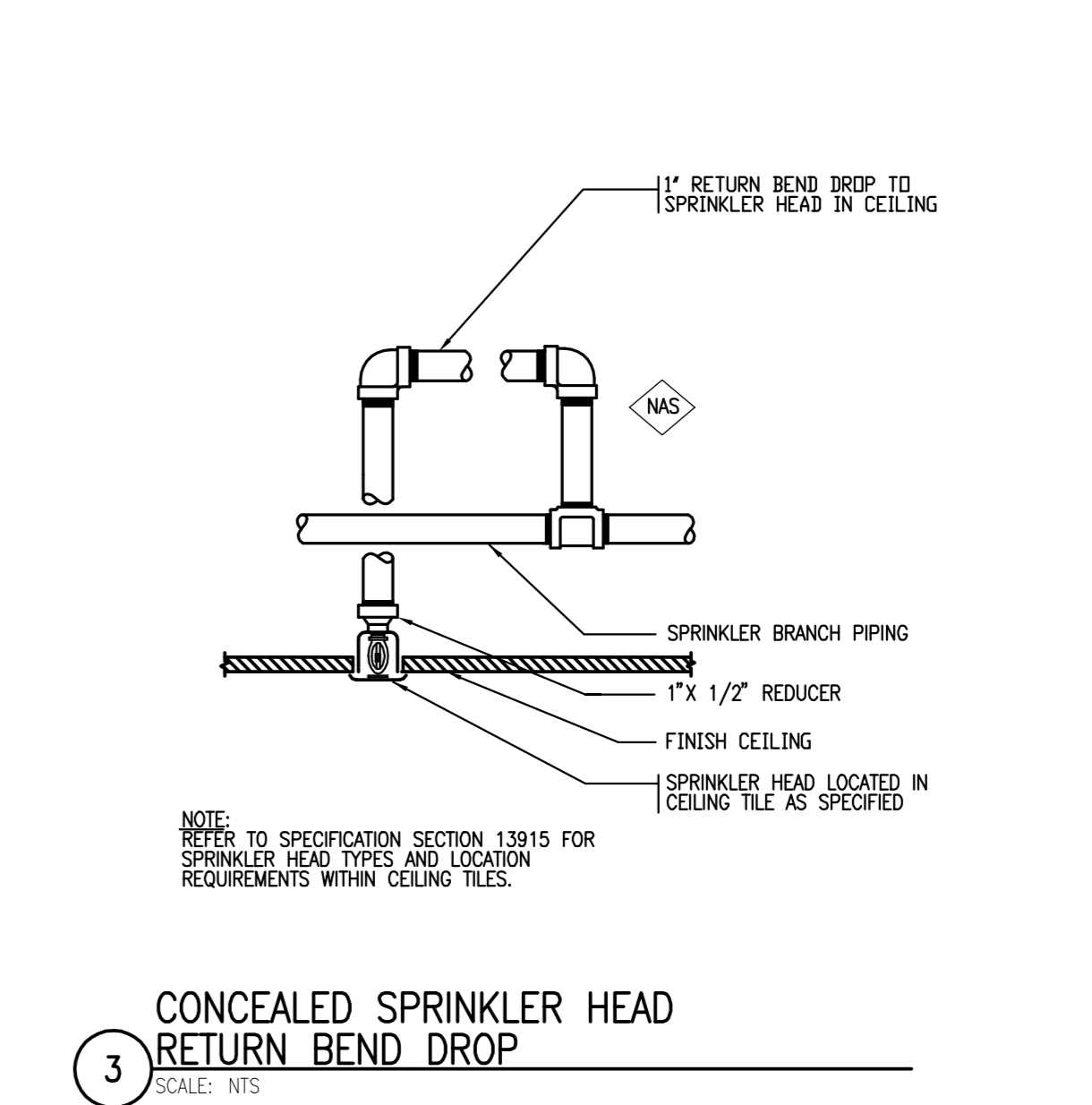
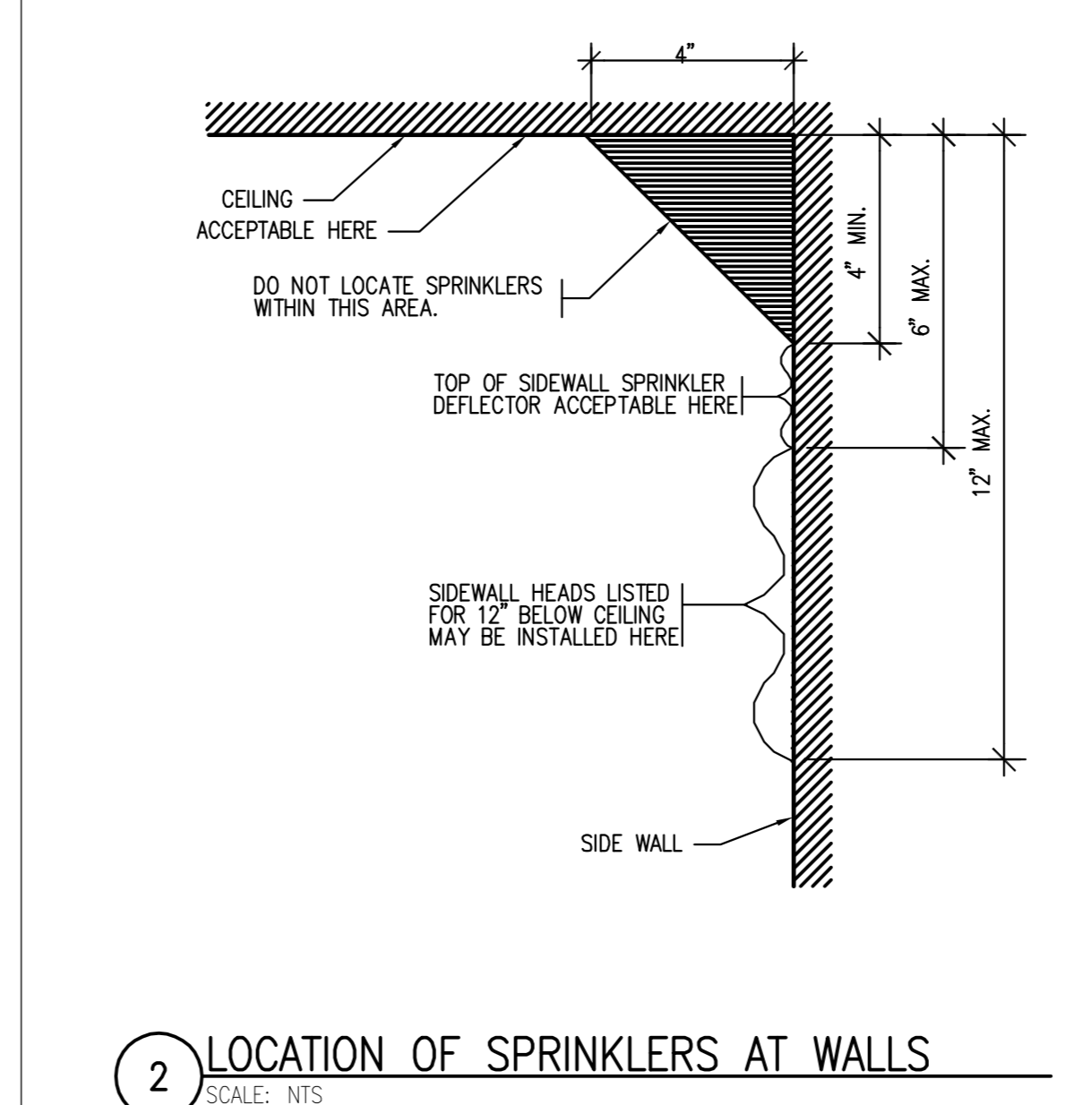
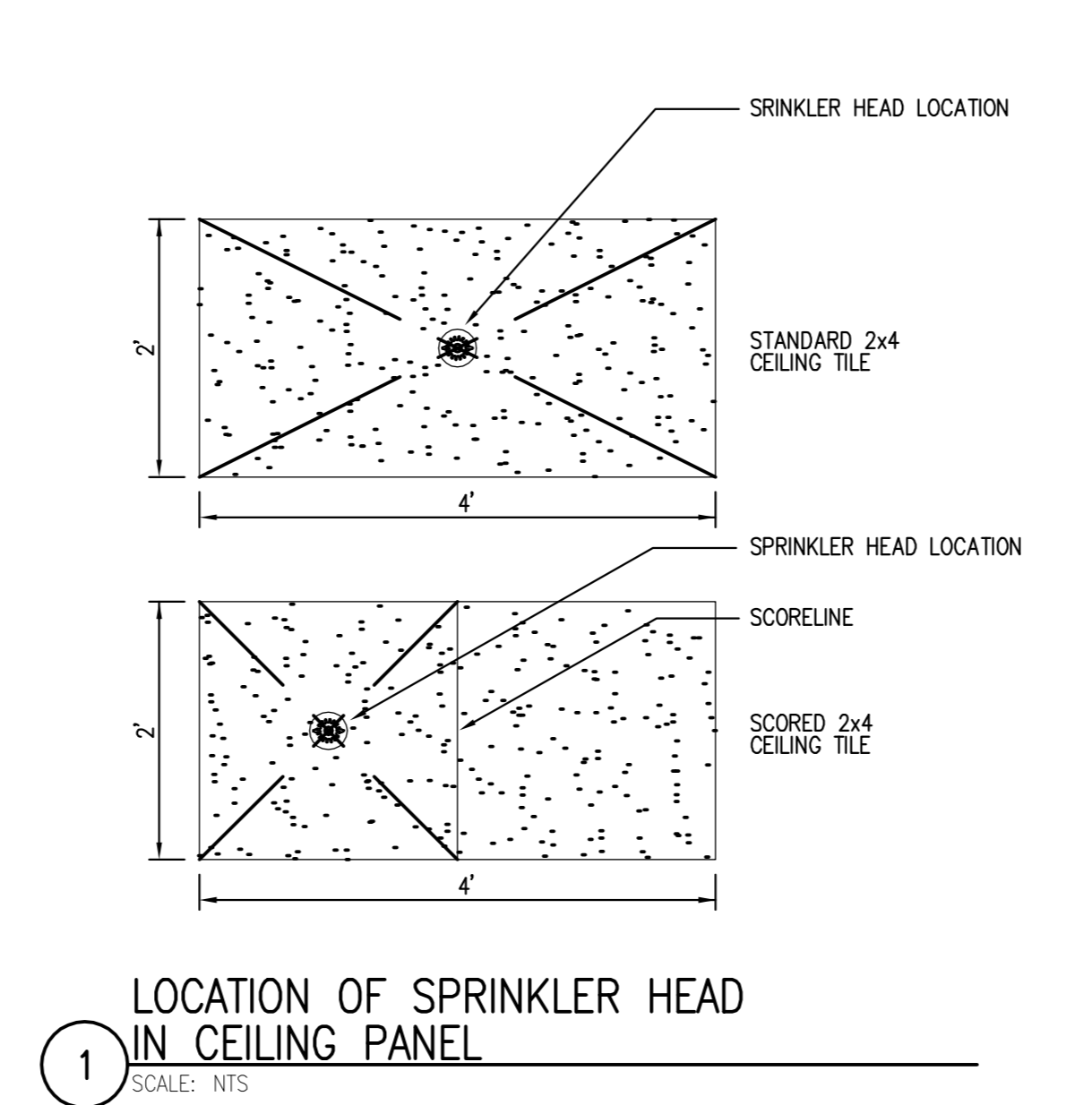
FP001	FIRE PROTECTION NOTES, DETAILS, AND SCHEDULE
FP10B.A	FIRE PROTECTION BASEMENT - DEMOLITION SECTOR A
FP20B.A	FIRE PROTECTION BASEMENT - RENOVATION SECTOR A
FP20B.B	FIRE PROTECTION BASEMENT - RENOVATION SECTOR B

## PIPING LEGEND

<b>GENERAL</b>	EXISTING PIPING TO REMAIN EXISTING PIPING TO BE REMOVED NEW PIPING
<b>WET</b>	FIRE FEED MAIN PIPING SPRINKLER DRAIN PIPING FIRE DEPARTMENT CONNECTION PIPING STANDPIPE PIPING FIRE PUMP TEST HEADER PIPING SPRINKLER PIPING
<b>DRY</b>	DRY SPRINKLER PIPING DELUGE SPRINKLER PIPING PREACTION SPRINKLER PIPING
<b>CLEAN AGENT</b>	FM 200 PIPING INERGEN PIPING

## PIPING SYMBOL LEGEND

<b>PIPING</b>	DOWN THROUGH FLOOR DROP (OR RISE) FLOW ARROW FLOW SWITCH PIPING BRANCH TAKEOFF PRESSURE GAUGE PRESSURE SWITCH TAMPER SWITCH UNION UP (THROUGH SLAB ABOVE) UP & DOWN (THROUGH FLOOR SLAB)
<b>VALVES</b>	ALARM CHECK VALVE BALL VALVE BUTTERFLY VALVE CHECK VALVE DOUBLE CHECK VALVE ASSEMBLY DRY PIPE VALVE FIRE DEPARTMENT CONNECTION (FLUSH) FIRE DEPARTMENT CONNECTION (EXPOSED) FIRE DEPARTMENT VALVE FIRE DEPARTMENT VALVE CABINET FIRE HOSE CABINET FLOOR CONTROL VALVE ASSEMBLY PRESSURE REGULATING VALVE ASSEMBLY PREACTION CONTROL VALVE RELIEF VALVE STRAINER SHUT OFF VALVE
<b>SPRINKLERS</b>	EXISTING SPRINKLER TO REMAIN EXISTING SPRINKLER TO BE REMOVED UPRIGHT SPRINKLER CONCEALED SPRINKLER RECESSED SPRINKLER SIDEWALL SPRINKLER EXTENDED COVERAGE SIDEWALL SPRINKLER DRY PENDENT SPRINKLER DRY SIDEWALL SPRINKLER

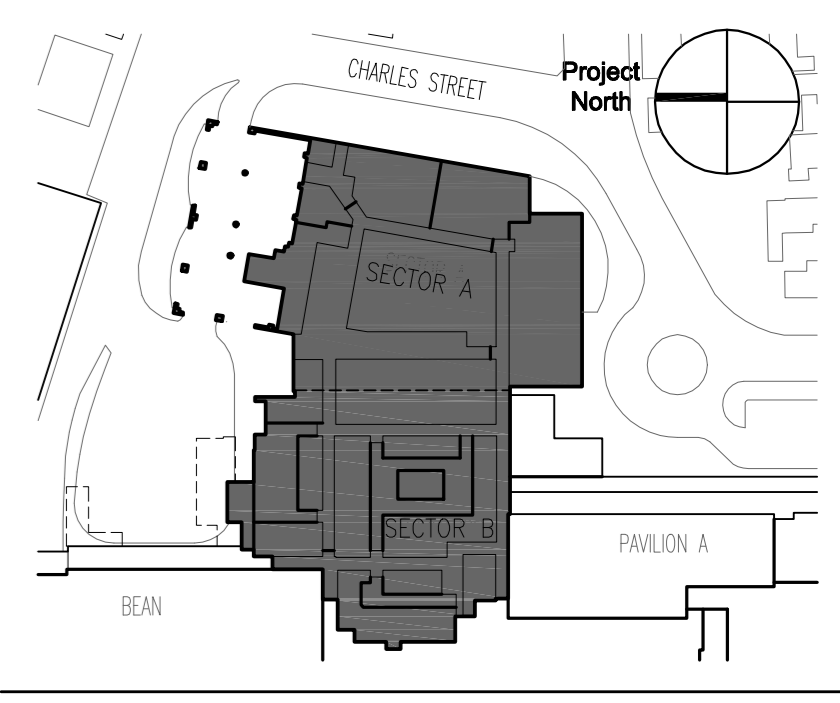


## SYMBOLS LEGEND

A1.2 E	NO AUTOMATIC SPRINKLERS
CONNECT TO EXISTING	REVISION DESIGNATION
X XXXX	HYDRAULIC REFERENCE POINT

MARK	ISSUE DATE	DESCRIPTION
BID	12/14/007	BID SET

Issue Log



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**Maine Medical Center**  
 ED Expansion and Renovation  
 Portland, Maine MMC Project No. 21843  
 Drawing Title  
**FIRE PROTECTION NOTES, DETAILS, AND SCHEDULES**

Drawn By	KTP	Commission No.	4696
Approved By	MLT	Date Issued	12/14/07
Phase / Package Number	Sheet Number	FP001	