

Seals

Consultant

DD Approval Signature \_\_\_\_\_ Date \_\_\_\_\_


**SELECTIVE DEMOLITION NOTES**

- 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.
- 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.
- ABANDONING OF SPRINKLER HEADS, VALVES, PIPING OR EQUIPMENT IN PLACE SHALL NOT BE ALLOWED. COMPLETE REMOVAL REQUIRED UNLESS NOTED OTHERWISE.
- PIPING TO BE REMOVED: REMOVE PORTION OF PIPING INDICATED TO BE REMOVED AND CAP REMAINING PIPING.
- 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.
- 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.
- COMPLY WITH ALL STATE AND LOCAL CODES AS TO REMOVAL AND DISPOSAL OF EQUIPMENT REMOVED FROM THE SITE.
- COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION.
- COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- COMPLY WITH ANSI A10.6 (SAFETY REQUIREMENTS FOR DEMOLITION OPERATIONS) AND NFPA 241 (STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS).
- 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.
- 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.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
- 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.
- EXISTING PIPING SHOWN ON DRAWINGS DOES NOT INDICATE FULL EXTENT OF PIPING DEMOLITION. FIELD VERIFICATIONS REQUIRED.
- 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 SEM RECESSED FOR SEM RECESSED). MANUFACTURER SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO INSTALLATION. ALL WORK SHALL BE PERFORMED AT NO COST TO OWNER.

**ABBREVIATIONS**

- |          |                               |
|----------|-------------------------------|
| CI       | CAST IRON                     |
| CONTR    | CONTRACTOR                    |
| CLDI     | CEMENT LINED DUCTILE IRON     |
| DN       | DOWN                          |
| 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**
- |   |    |    |    |   |
|---|----|----|----|---|
| X | XR | XT | XN | E |
|---|----|----|----|---|

**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                |
|  | CV     | CHECK VALVE                |
|  |        | UNION                      |
|  | FLG    | FLANGE                     |
|  | PG     | PRESSURE GAUGE             |
|  | FSW    | FLOW SWITCH                |
|  |        | FIRE DEPARTMENT CONNECTION |

**PIPING LEGEND**

- |  |      |                                     |
|--|------|-------------------------------------|
|  | FP   | FIRE PROTECTION                     |
|  | WS   | WET SPRINKLER PIPING                |
|  | DS   | DRY SPRINKLER PIPING                |
|  | PA   | PRE-ACTION SPRINKLER PIPING         |
|  | D.R. | DRAIN RISER                         |
|  | 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                          |

**DRAWING NOTES**

- DEMOLITION NOTE
- NEW WORK NOTE
- CONNECT TO EXISTING
- CAP EXISTING
- LIMIT OF DEMOLITION
- 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.

**SCHEDULES**

F - SPRINKLER SCHEDULE												
TYPE MARK	SYMBOL	DESCRIPTION	MFR	MODEL	TEMP RATING	ORIFICE SIZE	RESPONSE	COATING	ESCAPHECHON FINISH	SPRINKLER FINISH	K-FACTOR	COMMENTS
SP-1	●	INSTITUTIONAL SPRINKLER	TYCO	RAVEN TY-3281	155 °F	1/2"	Standard		WHITE	BRASS	5.6	
SP-2	⊙	CONCEALED SPRINKLER	TYCO	TY-3531	155 °F	1/2"	Standard		WHITE	BRASS	5.6	

**GENERAL NOTES**

- 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.
- 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.
- FIRE PROTECTION CONTRACTOR SHALL INSTALL NEW PIPING TAKE-OFFS WHERE NECESSARY TO PROVIDE ADEQUATE COVERAGE OR TO AVOID SUSPENDED CEILING FRAMING.
- ALL PIPING CUT DURING DEMO PHASE SHALL BE CAPPED WHETHER INDICATED ON DRAWING OR NOT.
- SPRINKLER SYSTEM HYDRAULICALLY DESIGNED TO PROVIDE AT LEAST 0.10 GPM/SQ. FT. FOR ALL AREAS, INCLUDING HYDRAULICALLY MOST REMOTE 1050 SQ. FT OF FLOOR AREA FOR LIGHT HAZARD OCCUPANCY OR AS REQUIRED BY OWNER'S INSURANCE UNDERWRITER.
- 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/PM 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.
- 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.
- 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.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS.
- IN EVENT OF CONFLICT BETWEEN OR AMONG SPECIFIED REQUIREMENTS AND PERTINENT CODES OR REGULATIONS, MORE STRINGENT REQUIREMENTS SHALL GOVERN.
- 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.
- INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT CONFORMANCE WITH EQUIPMENT AND MATERIALS MANUFACTURERS WRITTEN RECOMMENDATIONS.
- LOCATE PIPES TO FALL WITHIN PARTITIONS, WALLS, OR ROOF CAVITIES AND TO PRECLUDE FLOORING, OTHER THAN THAT SHOWN ON ARCHITECTURAL DRAWINGS.
- ALL FIRE PROTECTION EQUIPMENT, VALVES, ETC. SHALL BE INSTALLED WITH CLEARANCE FOR SERVICING AS RECOMMENDED BY THE MANUFACTURER.

**HAZARD DESIGN CRITERIA**

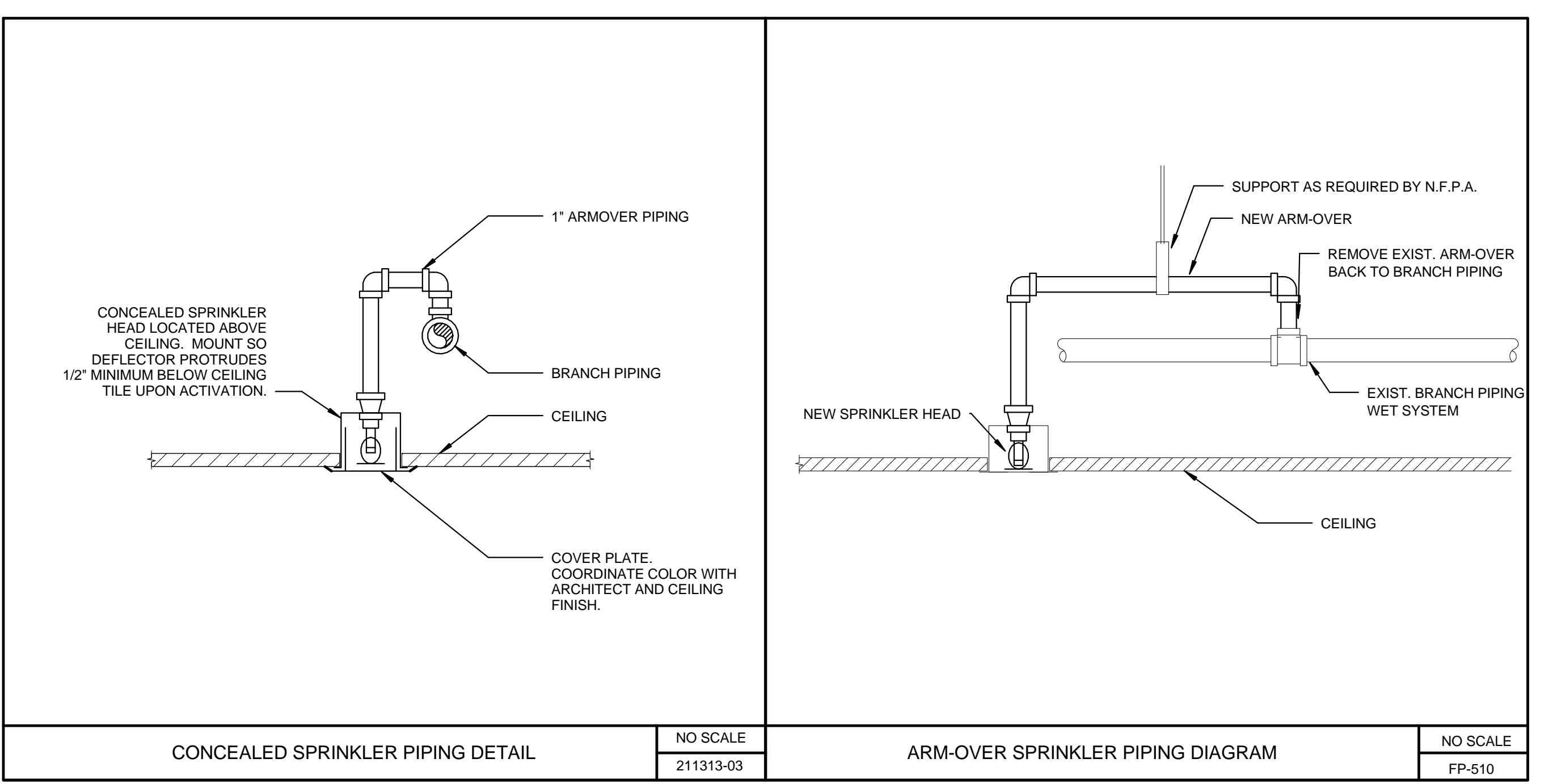
DESIGN CRITERIA		DESIGN CRITERIA	
DENSITY 0.10 GPM/SF	AREA OF APPLICATION 1,500 SQ. FT.	DENSITY 0.15 GPM/SF	AREA OF APPLICATION AS NOTED ON DWG.
225 SQ. FT. PER HEAD	HOSE ALLOWANCE 250 GPM	130 SQ. FT. PER HEAD	HOSE ALLOWANCE 250 GPM
LIGHT HAZARD (UNLESS NOTED OTHERWISE)		ORDINARY HAZARD (AS NOTED ON DRAWING)	

**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
F0.0	FIRE PROTECTION LEGEND, DETAILS AND SCHEDULES
F1.0	FIRE PROTECTION FIRST FLOOR PLAN



Project North

Key Plan N.T.S.


Issued For Construction  
Revision \_\_\_\_\_ Date \_\_\_\_\_ No \_\_\_\_\_

Portland, Maine

**Psych Room Renovation**

MorrisSwitzer Project Number 201451  
Date 1/27/2017  
Scale As indicated  
Sheet Title and Number

**FIRE PROTECTION LEGEND, DETAILS AND SCHEDULES**

**F0.0**