SPRINKLER SCHEDULE

SYM	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.
◉	PEND	CHROME	155	5.60	1/2"	TY2234	TYCO
◁	SIDE	CHROME	155	5.60	1/2"	TY1334	TYCO
○	UPR	CHROME	135	5.60	1/2"	TY3153	TYCO

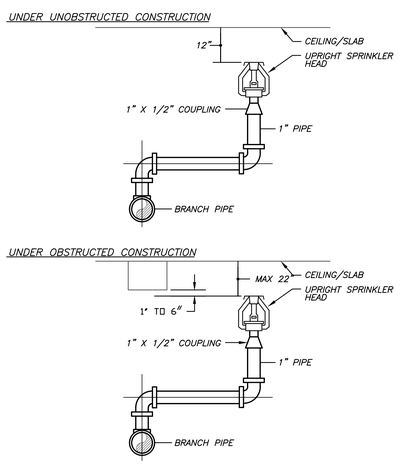
NOTES:
1. COORDINATE INSTALLATION WITH WITH ACTUAL CEILING LAYOUT
2. SPRINKLERS SHALL BE FM APPROVED.
3. SPRINKLERS SHALL BE UL LISTED.

LEGEND

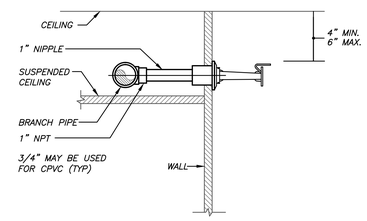
- FIRE SPRINKLER PIPING
- EXISTING FIRE SPRINKLER PIPING
- ELBOW – UP
- ELBOW – DN
- TEE
- BRANCH OFF TOP
- BRANCH OFF BOTTOM
- RISER VALVE
- DROP PENDANT TYPE SPRINKLER
- SIDEWALL TYPE SPRINKLER
- UPRIGHT SPRINKLER
- HYDRAULIC REFERENCE POINT
- EXISTING PENDANT SPRINKLER
- EXISTING UPRIGHT SPRINKLER
- EXISTING SIDEWALL SPRINKLER

FIRE PROTECTION NOTES

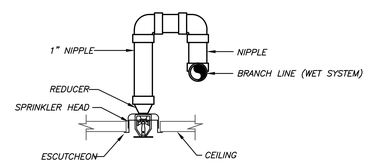
1. PROVIDE AND INSTALL NEW SPRINKLER SYSTEM TO MEET NFPA–13 AND ALL APPLICABLE BUILDING CODES, AND REQUIREMENTS OF VA SAFETY OFFICER.
2. PROVIDE A COMPLETE WET TYPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA–13 REQUIREMENTS FOR LIGHT HAZARD AND VA STANDARDS IN ALL AREAS AS NOTED ON PLANS.
3. PROVIDE A COMPLETE WET TYPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA–13 REQUIREMENTS FOR ORDINARY HAZARD GROUP I AND VA STANDARDS FOR ALL AREAS NOTED ON PLANS.
4. PROVIDE A PIPING SYSTEM AS REQUIRED TO PROVIDE CODE CORRECT COVERAGE.
5. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A MAXIMUM COVERAGE OF UNDER 225 SQUARE FEET PER HEAD FOR LIGHT HAZARD OCCUPANCIES AND 130 SQUARE FEET PER HEAD FOR ORDINARY HAZARD OCCUPANCIES, AND TO AVOID LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE PIPING AND SPRINKLER HEADS FOR PROPER COVERAGE IN EACH AREA AND ADD ADDITIONAL HEADS TO OBTAIN PROPER COVERAGE AS REQUIRED BY VARIATIONS IN FIELD LOCATIONS AND OBSTRUCTIONS AT NO ADDITIONAL COST TO OWNER. OBTAIN FINAL APPROVED ARCHITECTURAL LAYOUTS BEFORE LAYING OUT WORKING DRAWINGS.
6. PAINT ALL SPRINKLER PIPE RED AND LABEL AT INTERVALS NOT TO EXCEED EVERY 10' TO THE DIRECTION OF WATER FLOW AND INDICATING SPRINKLER SYSTEM.
7. IN UNFINISHED ROOMS WITH NO CEILING PROVIDE UPRIGHT TYPE SPRINKLER HEADS. COORDINATE HEAD LOCATIONS WITH HVAC CONTRACTOR TO MAINTAIN ADEQUATE COVERAGE ABOVE AND BELOW LARGE DUCTWORK AND OTHER OBSTRUCTIONS AS GOVERNED BY NFPA–13. PAINT PIPE AS DIRECTED BY CONTRACTING OFFICER'S REPRESENTATIVE (COR) AND IN ACCORDANCE WITH NFPA–13.
8. CONTRACTOR SHALL SEAL ALL PIPE WALL AND FLOOR PENETRATIONS WITH EXPANDING TYPE FIRE SEALANT CAULK AND ESCUTCHEONS.
9. COORDINATE SPRINKLER PIPE RUNS WITH DUCTWORK, PLUMBING PIPING AND LIGHTS. MAINTAIN 4" CLEAR ABOVE LIGHTS. DO NOT INTERFERE WITH DUCT ACCESS DOORS.
10. PIPING SHALL BE BLACK STEEL WITH ROLL GROOVE OR THREADED JOINTS. STEEL PIPE SCHEDULE AND HANGERS SHALL BE IN ACCORDANCE WITH NFPA–13. PROVIDE DRY PIPE SPRINKLER DROPS TO AREAS SUBJECT TO FREEZING. SPRINKLERS IN AREAS WITHOUT CEILINGS SHALL HAVE ROUGH BRASS OR FACTORY STANDARD FINISH. ALL COMPONENTS SHALL BE U.L. LISTED AND FM APPROVED.
11. FLUSH, TEST AND INSPECT WATER SUPPLY AND SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA–13 AND 25. COMMISSION SYSTEM IN ACCORDANCE WITH MANUFACTURER, NFPA–13, COR AND COMMISSIONING AGENT REQUIREMENTS. PROVIDE COPIES OF O&M MANUALS, CORRECTED SUBMITTALS, AS–BUILT SHOP DRAWINGS AND TWO COPIES OF NFPA–25 TO OWNER. PROVIDE SYSTEM MAINTENANCE AND OPERATION INSTRUCTION TO OWNER'S PERSONNEL. SCHEDULE ACCEPTANCE TESTING TO BE WITNESSED BY CONTRACTING OFFICER'S REPRESENTATIVE (COR). PROVIDE CONTRACTOR'S CERTIFICATION AND TESTING PAPERWORK PER NFPA 13 AND NFPA 25.
12. HYDRAULICALLY DESIGN SYSTEM PER NFPA–13 WITH MAXIMUM PIPE VELOCITY OF 20FPS AND SPRINKLER SYSTEM MAXIMUM DEMAND OF 225 GPM PLUS SYSTEM LEAKAGE AND OUTSIDE HOSE STREAM OF 250 GPM. PROVIDE A NEW FLOW TEST IN ACCORDANCE WITH NFPA–13 AND NFPA–25 PROCEDURES. SUBMIT HYDRAULIC CALCULATIONS TO CONTRACTING OFFICER'S REPRESENTATIVE (COR).
13. PREPARE SCALED WORKING DRAWINGS IN ACCORDANCE WITH NFPA–13 AND OWNER'S INSURANCE CARRIER REQUIREMENTS SHOWING LAYOUT AND DETAILS OF SPRINKLER SYSTEM. SUBMIT DRAWINGS TO CONTRACTING OFFICER'S REPRESENTATIVE (COR).
14. SPRINKLE AREAS IDENTIFIED AS LIGHT HAZARD IN ACCORDANCE WITH NFPA–13 LIGHT HAZARD, 0.10 GPM/SF DENSITY OVER 1500SF FIRE AREA.
15. SPRINKLE AREAS IDENTIFIED AS ORDINARY HAZARD IN ACCORDANCE WITH NFPA–13 ORDINARY HAZARD GROUP–1, 0.15 GPM/SF DENSITY OVER 1500SF FIRE AREA.
16. PROVIDE ADDITIONAL SPRINKLER HEADS AS REQUIRED BY CEILING CONFIGURATION TO MEET REQUIREMENTS OF NFPA 13.
17. PROVIDE TEN (10) ADDITIONAL SPARE SPRINKLER HEADS TO BE TURNED OVER TO THE CONTRACTING OFFICER'S REPRESENTATIVE (COR).
18. ALL EXISTING DEVICES SHALL BE TURNED OVER TO THE MEDICAL CENTER.
19. SEAL SMOKE PARTITION PENETRATIONS SMOKE TIGHT WITH APPROVED SEALANT. SEAL FIRE RATED AND SMOKE/FIRE RATED PENETRATIONS WITH APPROVED SEALANT. SEE ARCHITECTURAL LIFE SAFETY PLAN FOR LOCATIONS OF SMOKE AND FIRE RATED PARTITIONS AND BARRIERS.
20. DO NOT ASSUME ANY EXISTING VALVES CLOSE LEAK TIGHT. MAKE PROVISIONS FOR NEW CONNECTIONS BY DRAINING SYSTEM OR USE OF FREEZE KITS, OR OTHER MEANS TO ENSURE NEW CONNECTIONS CAN BE MADE TO EXISTING PIPING SYSTEMS.



3 / F0.11 **UPRIGHT SPRINKLER HEAD DETAIL**
SCALE: NOT TO SCALE



2 / F0.11 **SIDEWALL SPRINKLER HEAD DETAIL**
SCALE: NOT TO SCALE



1 / F0.11 **RECESSED SPRINKLER HEAD DETAIL**
NOT TO SCALE

FINAL DESIGN (100%)

Revisions	Date
REVISED PER COMMENTS	03/26/15
100% SUBMISSION	10/22/14

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Drawing Title: FIRE SPRINKLER NOTES, LEGEND + DETAILS

Approved Project Director

Project Title: Renovate 4B for Community Living Center (CLC) Stratton VA Medical Center

Location: Albany, New York

Date: 10-22-2014 | Checked | Drawn

Project Number: VA 528A8-12-890

Building Number: 1

Drawing Number: F0.11

Dwg. 38 of 79

Office of Construction and Facilities Management

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