FIRE PROTECTION GENERAL NOTES

1. ALL TEST AND DRAIN CONNECTIONS SHALL BE PIPED TO THE BUILDING EXTERIOR, AND LOCATED SO AS NOT TO CAUSE INJURY OR DAMAGE.

2. ALL PENETRATIONS THROUGH FIRE SEPARATION ASSEMBLIES SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE APPROPRIATE U.L. THROUGH PENETRATION FIRESTOP SYSTEM.

3. INSTALL ALL WET SYSTEM SPRINKLER PIPING ON THE WARM SIDE OF THE BUILDING INSULATION AND VAPOR BARRIER.

4. OWNER TO PROVIDE SUFFICIENT HEAT IN ALL AREAS TO PREVENT WET SPRINKLER SYSTEM PIPING FROM FREEZING.

5. FIRE SERVICE FROM STREET MAIN TO INSIDE FOUNDATION WALL AND ABOVE FLOOR SHALL BE PROVIDED BY OTHERS.

6. PITCH ALL SYSTEM PIPING BACK TOWARDS THE SYSTEM RISER.

7. ALL PIPING 2-1/2" AND LARGER SHALL BE SCHEDULE 10 STEEL WITH ROLLED GROOVE FITTINGS.

8. ALL PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH THREADED FITTINGS.9. WHERE REQUIRED BY CODE OR DIRECTED BY LOCAL AUTHORITIES, THIS

10. PIPE SIZES SHOWN ARE ASSUMED. THIS CONTRACTOR SHALL PROVIDE WORKING DRAWINGS AND SUPPORTING HYDRAULIC CALCULATIONS. THIS CONTRACTOR SHALL PERFORM A HYDRANT FLOW TEST IF DATA IS NOT AVAILABLE FROM THE LOCAL UTILITY.

CONTRACTOR SHALL PROVIDE SEISMIC BRACING AND RESTRAINTS ON ALL PIPING IN COMPLETE ACCORDANCE WITH THE NFPA AND LOCAL CODES.

FIRE PROTECTION GENERAL NOTES

- THE FIRE PROTECTION CONTRACTOR SHALL BE FAMILIAR WITH ALL CONTRACT DOCUMENTS FOR ALL TRADES AND COORDINATE WITH OTHER CONTRACTORS.
- DRAWINGS ARE DIAGRAMMATIC ONLY, FINAL ROUTING OF PIPING AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC., SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- 3. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL ELECTRICAL, PLUMBING & HVAC REQUIREMENTS WITH THE ELECTRICAL, PLUMBING AND HVAC CONTRACTORS.
- 4. THE FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE FIRE PROTECTION WORK COMPLETE AND READY FOR OPERATION.

ABBREVIATIONS:

| Abbrev. | Description |
|---------------------------------------|---|
| ABD AFC AFF AFG AP ATS | AUTOMATIC BALL DRIP ABOVE FINISHED CEILING ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ACCESS PANEL AUTOMATIC TRANSFER SWITCH |
| вор | BOTTOM OF PIPE ELEVATION |
| CC CL CLDI | CENTER TO CENTER CENTERLINE CEMENT LINED DUCTILE IRON |
| DIA DWG | DIAMETER DRAWING |
| EC ELEV | ELECTRICAL CONTRACTOR ELEVATION |
| FPC FFE | FIRE PROTECTION CONTRACTOR FINISHED FLOOR ELEVATION |
| GC GPM | GENERAL CONTRACTOR GALLONS PER MINUTE |
| HVAC HYD | HEATING, VENTILATION AND AIR CONDITIONING HYDRANT |
| IN ITS | INCHES INSPECTOR'S TEST STATION |
| LFPC | LIMIT OF FIRE PROTECTION CONTRACT |
| NAS NC NO NTS | NO AUTOMATIC SPRINKLER NORMALLY CLOSED NORMALLY OPEN NOT TO SCALE |
| ОС | ON CENTER |
| PRV PC PIV PSI | PRESSURE REGULATOR VALVE PLUMBING CONTRACTOR POST INDICATOR VALVE POUNDS PER SQUARE INCH |
| SAV SF SPR | SPRINKLER ALARM VALVE SQUARE FOOT SPRINKLER |

TYPICAL

TOP OF PIPE ELEVATION

WALL INDICATOR VALVE

NOTE: NOT ALL SYMBOLS, ABBREVIATIONS OR DESIGNATIONS MAY REFER TO THIS PROJECT.

LEGEND:

| | Symbol | Abbrev. | Description | Symbol | Abbrev. | Description |
|--|-----------------------------------|------------------|--|-----------------|---------|--|
| wagestynne | Particular by Properties everyone | F | FIRE MAIN PIPING BELOW GRADE (BURIED PIPING - | | ТВ | THRUST BLOCK |
| | F | F | TRENCHING AND SLAB REPAIR BY G.C.) FIRE MAIN PIPING ABOVE GRADE | | AP | ACCESS PANEL |
| - | | ws | WET SPRINKLER PIPING | Ts | TS | TAMPER SWITCH |
| ************************************* | — DR —— | DR | DRAIN PIPING | Ps | PS | DECCLIDE CAMITOLI |
| | — FDC —— | FDC | FIRE DEPT. CONNECTION PIPING | [18] | P3 | PRESSURE SWITCH |
| | ⋈- | DV | DRAIN VALVE | | RPBP | REDUCED PRESSURE BACKFLOW PREVENTER |
| | | DN | PIPE DOWN THROUGH FLOOR | | DCVA | DOUBLE CHECK VALVE ASSEMBLY WITH TAMPER SWITCHES |
| | | UP | PIPE UP THROUGH FLOOR ABOVE | • | | ELECTRIC BELL |
| | ······ | | PIPE DROP OR RISE | D | WMG | WATER MOTOR GONG |
| | | | CONCENTRIC REDUCER | → OR 🖒 | FDC | FIRE DEPARTMENT CONNECTION |
| | | | ECCENTRIC REDUCER | 7 | FCVA | FLOOR CONTROL VALVE ASSEMBLY |
| |] | | PIPE CAP | <u> </u> | | HYDRAULIC REFERENCE POINT |
| | | | PIPE BREAK | | | THE PROBLEM ENCHOL |
| | | | UNION | | | PENDENT/RECESSED SPRINKLER HEAD |
| | - -y | | STRAINER | | | UPRIGHT SPRINKLER HEAD |
| | | WTS | WATERTIGHT SLEEVE | | | CONCEALED SPRINKLER HEAD |
| | © | | PRESSURE GAUGE | | | SIDEWALL SPRINKLER HEAD |
| T _S | > - | | SHUT-OFF VALVE (TYPE PER SPECS) | | | DRY PENDENT SPRINKLER HEAD |
| ──X OR |)R —— > | > /n / | SHUT-OFF VALVE WITH TAMPER SWITCH | 1 | | DRY SIDEWALL SPRINKLER HEAD |
| | | VIV | VALVE IN VERTICAL | d _{DS} | | |
| | <u> </u> | VIV | VALVE IN VERTICAL WITH TAMPER SWITCH | detail no. 5 | | |
| | | | RELIEF VALVE | drawing FP4.01 | | DETAIL REFERENCE |
| F _S (| OR — | FS | FLOW SWITCH | occurs | | |
| | → | PRV | PRESSURE REGULATING VALVE | equip. | | EOLHDMENT TAG (ELECTRICAL EOLHDMENT) |
| | | CV | CHECK VALVE | type 5 | | EQUIPMENT TAG (ELECTRICAL EQUIPMENT) |
| | BD | CV | CHECK VALVE WITH AUTOMATIC BALL DRIP | equip. | | |
| | | | FLOW ARROW | - Control of | | |
| | | | PITCH DOWN (REFER TO SPEC.) | | | |



1000 Massachusetts Avenue Cambridge, Massachusetts 02138 617.547.5400 Fax 617.354.5758

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LEGEND, ABBREVIATIONS AND NOTES

| SCALE | N |
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| CHECK BY | TGW |
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