| FLOOR PLAN SYMBOLS |   |  |  |  |
|--------------------|---|--|--|--|
| SYMBOL             | DESCRIPTION   |  |  |  |
| PIPING ANNOTATION  |   |  |  |  |
|                    | SYSTEM DESIGNATION                                    |  |  |  |
| (XXX)              | HYDRAULIC REFERENCE POINT (NODE)                      |  |  |  |
|                    | HYDRAULIC CALCULATION AREA                            |  |  |  |
|                    | MISCELLANEOUS   |  |  |  |
| NS                 | NON-SPRINKLERED AREA                                  |  |  |  |
| X                  | KEYNOTE   |  |  |  |
| X-Y<br>DWG         | X = SYSTEM TYPE Y = RISER NUMBER DWG = DRAWING NUMBER |  |  |  |
| SPRINKLERS         |   |  |  |  |
| •                  | PENDENT FRAME SPRINKLER                               |  |  |  |
| 0                  | UPRIGHT FRAME SPRINKLER                               |  |  |  |
| $\nabla$           | SIDEWALL FRAME SPRINKLER                              |  |  |  |

| ABBREVIATIONS                           |   |  |  |  |  |
|---|---|--|--|--|--|
|   | GENERAL   |  |  |  |  |
| T<br>F<br>G<br>J<br>CH<br>P             | AUDIO/VISUAL ACOUSTIC CEILING TILE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTION ARCHITECT BOTTOM OF PIPE BOTTOM OF RISER CENTERLINE DOWN |  |  |  |  |
| G<br>/G<br>EC<br>EV                     | DEGREES DRAWING ELECTRICAL ELEVATOR EXISTING FIRE ALARM FIRE PROTECTION FEET  |  |  |  |  |
| M<br>VB<br>/<br>G                       | GALLONS PER MINUTE GYPSUM WALL BOARD INVERT LIGHTING LOW VOLTAGE (AUDIO/VISUAL, SECURITY, TEL/DATA)   |  |  |  |  |
| CH<br>P<br>N<br>N<br>S<br>S<br>D<br>BBG | MAXIMUM MECHANICAL MECH, ELEC, PLBG, FP, FA, LV, ETC. MINIMUM NOT APPLICABLE NO AUTOMATIC SPRINKLER NORMALLY CLOSED NOT IN CONTRACT NOT TO SCALE OPEN END DRAIN     |  |  |  |  |
| FT<br>MP<br>R<br>P                      | PLUMBING SQUARE FEET TEMPERATURE TOP OF RISER TYPICAL WITH  |  |  |  |  |

## **GENERAL REQUIREMENTS** THE FIRE PROTECTION ENGINEERING DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT INTENDED TO BE ABSOLUTELY PRECISE NOR INDICATE EVERY REQUIRED SYSTEM COMPONENT. THEY REPRESENT A SYSTEM CONCEPT AND INDICATE THE MAIN SYSTEM COMPONENTS.

- PRIOR TO SUBMITTING THE BID THE INSTALLING CONTRACTOR OF THE WORK INDICATED ON THE FIRE PROTECTION ENGINEERING DRAWINGS AND ASSOCIATED TECHNICAL SPECIFICATIONS (REFERRED TO AS "THE CONTRACTOR" HEREAFTER) SHALL VISIT AND CAREFULLY EXAMINE THE SITE WITH THE ENGINEERING DRAWINGS TO REVIEW EXISTING CONDITIONS AND IDENTIFY DIFFICULTIES THAT MAY AFFECT THE SCOPE OF WORK. NO ADDITIONAL COST WILL BE ALLOWED FOR ADDITIONAL SCOPE CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE
- READILY VISIBLE OR CONSTRUED BY AN EXPERIENCED OBSERVER. 3. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL SYSTEM COMPONENTS, WALL LOCATIONS AND DIMENSIONS AND CEILING HEIGHTS AND COORDINATE WITH THE FIRE PROTECTION SYSTEM TECHNICIAN PRIOR TO PREPARATION OF THE WORKING PLANS / SHOP DRAWINGS. REFER TO DOCUMENT AND SUBMITTAL REQUIREMENTS ON THIS DRAWING FOR ADDITIONAL INFORMATION.
- 4. APPLICABLE DOCUMENTS BEYOND THE ENGINEERING DRAWINGS: A. CODES AND INSTALLATION STANDARDS INDICATED ON THIS B. ARCHITECTURAL, MEP AND FIRE ALARM DRAWINGS. PROJECT MANUAL (TECHNICAL SPECIFICATIONS). D. FIRE PROTECTION HYDRAULIC CALCULATIONS.
- E. PRODUCT MANUFACTURER'S REQUIREMENTS. 4. THE CONTRACTOR SHALL GUARANTEE IN WRITING ALL WORK AND EQUIPMENT ASSOCIATED WITH THIS PROJECT FOR ONE (1) YEAR AFTER INSTALLATION. REFER TO THE TECHNICAL SPECIFICATION FOR

ADDITIONAL WARRANTY REQUIREMENTS.

## SCOPE OF WORK THE SCOPE OF WORK (REFERRED TO AS "THE WORK" HEREAFTER) INCLUDES THE INSTALLATION OF AN AUTOMATIC SPRINKLER SYSTEM, CLASS I AUTOMATIC STANDPIPE SYSTEM AND ELECTRIC-DRIVE FIRE

THE WORK INCLUDES FURNISHING AND INSTALLING ALL SPRINKLERS, PIPING, FITTINGS, HANGERS, VALVES AND OTHER ASSOCIATED COMPONENTS IN AREAS OF THE BUILDING REPRESENTED ON THE ENGINEERING DRAWINGS TO MAKE THE SYSTEMS FULLY COMPLETE AND

PUMP SYSTEM AS INDICATED ON THE DRAWINGS.

3. THE WORK INCLUDES FIRESTOPPING OF ALL PENETRATIONS THROUGH FIRE-RESISTANCE RATED BARRIERS.

4. THE WORK INCLUDES PREPARATION AND SUBMITTAL DOCUMENTS &

FREQUENCIES, AND THE LOCATIONS OF ALL SPARE TOOLS AND

EQUIPMENT, VALVES, ALARM AND SUPERVISORY SWITCHES, RISERS AND

EQUIPMENT NECESSARY TO MAINTAIN AND OPERATE THE SPRINKLER

- SUBMITTALS INDICATED ON THIS DRAWING. 5. THE WORK INCLUDES PERFORMING FIELD QUALITY CONTROL AND
- COMMISSIONING ACTIVITIES OUTLINED IN NFPA 25. 6. THE WORK INCLUDES TRAINING OWNER'S PERSONNEL ON THE OPERATION OF THE SYSTEM, REQUIRED MAINTENANCE TASKS AND

SYSTEM.

D. OPERATION AND MAINTENANCE MANUALS. FIRE PROTECTION SYSTEM DESIGN REQUIREMENTS FIRE PROTECTION SYSTEM DESIGN AND INSTALLATION SHALL COMPLY

ALL INSTALLED MATERIALS.

- A. 2018 UTAH BUILDING CODE (AMENDED 2018 IBC) B. 2018 UTAH FIRE CODE (AMENDED 2018 IFC)
- C. 2016 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER
- AND HOSE STYSTEMS E. 2016 NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- PROTECTION G. MANUFACTURER'S PUBLISHED DOCUMENTATION AT THE COMMENCEMENT OF FSYSTEM INSTALLATION.
- NEW SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY CALCULATED AND SIZED IN ACCORDANCE WITH THE DESIGN CRITERIA INDICATED ON THIS DRAWING AND THE REQUIREMENTS OF NFPA 13 & NFPA 14 WITH A MINIMUM SAFETY MARGIN OF 10 PSI. PIPE SIZES SHALL BE NO SMALLER THAN AS INDICATED BY THE DESIGN HYDRAULIC CALCULATIONS AND DESIGN DRAWINGS UNLESS VERIFIED THROUGH APPROVED CALCULATION SUBMITTAL.

## DOCUMENT AND SUBMITTAL REQUIREMENTS THE FIRE PROTECTION ENGINEERING DRAWINGS ARE "PRELIMINARY

- PLANS" AS DEFINED BY NFPA. THE HAVE BEEN PREPARED FOR SUBMISSION TO THE AUTHORITY HAVING JURISDICTION IN ORDER TO OBTAIN A BUILDING PERMIT AND AS THE BASIS OF DESIGN FOR THE PREPARATION OF THE WORKING PLANS / SHOP DRAWINGS. THEY INCLUDE A REPRESENTATION OF HAZARDS TO BE PROTECTED, THE SYSTEM DESIGN CONCEPT, DESIGN CRITERIA AND WATER SUPPLY CONFIGURATION. THESE DRAWINGS INCLUDE CONCEPTUAL LOCATIONS & ARRANGEMENTS OF MAJOR COMPONENTS INCLUDING BUT NOT LIMITED TO MAINS, RISERS, VALVES AND CONNECTIONS. THEY ARE NOT INTENDED TO BE USED FOR INSTALLATION OR TO OBTAIN INSTALLATION
- THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL TO THE AUTHORITY HAVING JURISDICTION AND THE ENGINEER A COMPLETE SUBMITTAL PACKAGE INCLUSIVE OF PRODUCT DATA SHEETS, WORKING PLANS / SHOP DRAWINGS AND HYDRAULIC CALCULATIONS. THE SUBMITTAL PACKAGE SHALL INCLUDE ALL INFORMATION REQUIRED BY THE TECHNICAL SPECIFICATIONS AND THE APPLICABLE NFPA STANDARDS INDICATED ON THIS DRAWING.
- THE WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED UNDER THE SUPERVISION OF A QUALIFIED ENGINEERING TECHNICIAN OR PROFESSIONAL ENGINEER. THE WORKING PLANS SHALL INDICATE THE TECHNICIAN'S OR ENGINEER'S NAME AND THEIR CERTIFICATION OR REGISTRATION NUMBER. WHERE THE LOCAL AUTHORITY REQUIRES THE WORKING PLANS TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A THIRD PARTY PROFESSIONAL ENGINEER TO SIGN AND SEAL THE PACKAGE.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT ALL ADDITIONAL FORMS AND DOCUMENTATION REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND BE RESPONSIBLE FOR FEES ASSOCIATED WITH INSTALLATION PERMIT APPLICATION.
- CHANGES IN THE LOCATION OF SYSTEM COMPONENTS (INCLUDING BUT NOT LIMITED TO SPRINKLERS AND VALVES) FROM THOSE INDICATED ON THE APPROVED SHOP DRAWING SHALL BE IDENTIFIED IN WRITING TO THE AUTHORITY HAVING JURISDICTION AND JENSEN HUGHES PRIOR TO INSTALLATION. ALL CHANGES FROM THE APPROVED SHOP DRAWINGS SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY RELOCATIONS OR ADDITIONAL COMPONENTS REQUIRED FOR A FULL CODE COMPLIANT INSTALLATION (I.E. ADDITIONAL SPRINKLERS) AS A RESULT OF THE CHANGES SHALL BE FURNISHED AND INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ANY NEW SITE SPECIFIC MODIFICATIONS THAT MAY BE MADE TO THE BUILDING DURING CONSTRUCTION SUCH AS NEW LIGHTS, DROP
- THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL THE FOLLOWING CLOSEOUT DOCUMENTATION: A. A COMPLETE RECORD DRAWING PACKAGE BEARING "RECORD
- DRAWING", "AS-BUILT DRAWING" OR SIMILAR AND THE ASSOCIATED DATE OF CREATION. THE RECORD DRAWING PACKAGE SHALL INCLUDE SITE SPECIFIC MODIFICATIONS RECORDED DURING CONSTRUCTION. B. APPLICABLE SYSTEMS ACCEPTANCE DOCUMENTATION REQUIRED BY THE APPLICABLE NFPA STANDARDS. C. COMPLETE PRODUCT DATA SUBMITTAL PACKAGE INCLUSIVE OF
- WITH THE FOLLOWING REQUIREMENTS OF:
- D. 2016 NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE
- F. 2016 NFPA 22, STANDARD FOR WATER TANKS FOR PRIVATE FIRE

## FIRE PROTECTION SYSTEM INSTALLATION REQUIREMENTS

- COORDINATE INSTALLATION ACTIVITIES WITH OTHER D WORK AND EXISTING CONDITIONS. MAKE REASONABLE MODIFICATIONS IN SYSTEM INSTALLATION REQUIRED CONFLICTS WITH OTHER DIVISIONS OF WORK AND IN ORI MAINTAIN ALL CODE REQUIRED CLEARANCES FOR INSPE AND MAINTENANCE FOR ALL BUILDING SYSTEMS AND CO
- ALL COMPONENTS SHALL BE NEW UNLESS OTHERWISE N UL LISTED AND FM APPROVED. INSTALL SYSTEMS IN AN EFFICIENT AND RECTILINEAR AF

ARE READILY ACCESSIBLE AND VISIBLE FOR ROUTINE INSPECTION,

THAT THEY ARE ACCESSIBLE EITHER FROM FLOOR LEVEL OR AT A

TESTING AND MAINTENANCE. ALL VALVES SHALL BE INSTALLED SUCH

- WITH COMPONENTS PERPENDICULAR AND PARALLEL T WALLS, CEILINGS, STRUCTURE AND SIMILAR ELEMENTS. UNLESS OTHERWISE INDICATED CEILING MOUNTED SYSTEM COMPONENTS SHALL BE INSTALLED CONCEALED ABOVE FINISHED CEILINGS. ALL CONTROL / TEST / DRAIN VALVES SHALL BE INSTALLED WITH INDICATORS VISIBLE FROM THE FLOOR BELOW AND SUCH THAT THEY
- IDENTIFICATION (INCLUDING BUT NOT LIMITED TO VALVE TAGS, GENERAL INFORMATION SIGNS AND HYDRAULIC SIGNS) SHALL BE PROVIDED AS REQUIRED BY THE APPLICABLE NFPA STANDARDS AND LOCAL FIRE DEPARTMENT AT ALL CONTROL / TEST / DRAIN VALVES, RISERS AND EQUIPMENT. A RIGID PLASTIC SIGN INDICATING THE LOCATION OF ALL VALVES, THE AREA PROTECTED BY EACH CONTROL VALVE SHALL BE SHALL BE PROVIDED AND INSTALLED AT THE MAIN SYSTEM RISER(S). ARRANGE PIPING TO DRAIN BACK TO MAIN DRAIN VALVES FOR EACH SYSTEM. PIPING SHALL BE INSTALLED TO MINIMIZE THE REQUIREMENT FOR AUXILIARY DRAINS. WHERE AUXILIARY DRAINS ARE REQUIRED FOR TRAPPED SECTIONS OF PIPING THEY SHALL BE INSTALLED IN

LOCATION ACCESSIBLE FROM AN 8-FT LADDER.

PROVIDE SLEEVES, SLEEVES SEALS, ESCUTCHEONS AND LISTED FIRESTOPPING SYSTEMS AT ALL FLOOR / WALL PENETRATIONS AS

LOCATIONS APPROVED BY THE OWNER.

- REQUIRED BY THE TECHNICAL SPECIFICATIONS. PIPING SHALL BE SUPPORTED VIA LISTED HANGERS AND SUPPORTS ATTACHED DIRECTLY TO BUILDING STRUCTURE. ATTACHMENT SHALL NOT BE MADE TO METAL ROOF DECKING, NON-DIVISION 21 WORK OR NON-BUILDING STRUCTURAL ELEMENTS. THREADED HANGER RODS SHALL NOT BE FORMED OR BENT.
- THE AREA OF WORK WITH NEW. AUTOMATIC SPRINKLER SYSTEM CONCENTRIC FITTINGS SHALL BE UTILIZED FOR PIPING SIZE TRANSITIONS AND SPRINKLER CONNECTIONS. BUSHINGS ARE PROHIBITED.

CONTRACTOR SHALL REPLACE ANY EXISTING / NEW BENT ROD WITHIN

- COORDINATE SPRINKLER TEMPERATURE RATINGS BASED UPON ANTICIPATED AMBIENT TEMPERATURE, SOURCES OF HEAT OR SPECIFIC LOCATIONS SUCH AS SKYLIGHTS AS REQUIRED BY NFPA 13. UNLESS OTHERWISE NOTED OR REQUIRED SPRINKLERS SHALL BE ORDINARY TEMPERATURE RATED.
- PROVIDE LISTED GUARDS ON SPRINKLERS IN LOCATIONS PRONE TO DAMAGE SUCH AS MECHANICAL ROOMS, STORAGE ROOMS, SPRINKLERS INSTALLED LESS THAN 7 FT AFF AND SIMILAR AREAS.
- PROVIDE A CABINET WITH SPARE SPRINKLERS AND A LIST OF SPARE SPRINKLERS AS REQUIRED BY NFPA 13. PROVIDE SPRINKER PROTECTION ABOVE AND BELOW WOOD CEILINGS. REFER TO ARCHITECTURAL RCPs FOR ADDITIONAL INFORMATION.
- STANDPIPE SYSTEM PROVIDE DRAIN VALVES AT THE BASE OF EACH STANDPIPE AND DRAIN

VALVES AND DRAIN PLUGS AT THE TOP OF EACH STANDPIPE

\*\* REFER TO FP6.01 FOR HYDRAULIC CALCULATION NODES. PROVIDE AIR RELIEF VALVES AND PRESSURE GAUGES WITH THREE WAY

|   | SYSTEM(S)                                    | APPLICATIONS  | REQUIRED PIPE & FITTINGS  |
|---|--|---|---|
| R DIVISIONS OF BLE AND NECESSARY D TO PREVENT N ORDER TO NSPECTION, TESTING | STANDARD-PRESSURE WET-PIPE FIRE SUPPRESSION. | WET-PIPE SPRINKLER MAINS AND BRANCHES SUPPLYING SPRINKLERS IN RESIDENTIAL CORRIDORS AND DWELLING UNITS WHERE CONCEALED ABOVE FINISHED CEILINGS. | CPVC PIPE WITH PLAIN ENDS; SCHEDULE 40 CPVC SOCKET TY FITTINGS FOR NPS 1 TO NPS 1-1/2, SCHEDULE 80 CPVC SOCKE TYPE FITTINGS FOR NPS 2 TO NPS 3; AND SOLVENT-CEMENTE JOINTS. |
| D CODE MINIMUM  | STANDARD-PRESSURE WET-PIPE FIRE SUPPRESSION. | WET-PIPE SPRINKLER, 2" AND SMALLER (NON-RESIDENTIAL AREAS).   | SCHEDULE 40 BLACK STEEL PIPE WITH THREADED ENDS; UNCOATED THREADED FITTINGS; AND THREADED JOINTS.   |
| /ISE NOTED AND BE   |  |   |   |
| R ARRANGEMENT<br>EL TO BUILDING<br>NTS LINI ESS                             | STANDARD-PRESSURE WET-PIPE FIRE SUPPRESSION. | WET-PIPE SPRINKLER AND STANDPIPE PIPING 2 1/2"<br>AND LARGER (NON-RESIDENTAL AREAS).  | PERMISSIBLE PIPE AND FITTINGS FOR 2" AND SMALLER OR SCHEDULE 10 BLACK STEEL PIPE WITH ROLL-GROOVED ENDS; GROOVED-END FITTINGS, PIPE COUPLINGS AND JOINTS.                   |

AND LARGER.

| STANDARD-PRESSURE DRY-PIPE FIRE SUPPRESSION. | DRAIN PIPING 2" AND SMALLER.                            | GALVANIZED SCHEDULE 40 STEEL PIPE WITH THREADED JOINTS;<br>GALVANIZED THREADED FITTINGS; AND GALVANIZED THREADED<br>JOINTS.  |
|--|---|--|
| STANDARD-PRESSURE DRY-PIPE FIRE SUPPRESSION. | DRAIN, TEST HEADER AND FDC PIPING 2 1/2"<br>AND LARGER. | PERMISSIBLE PIPE AND FITTINGS FOR 2" AND SMALLER OR SCHEDULE 40 GALVANIZED STEEL PIPE WITH CUT-GROOVED ENDS; FACTORY COATED GROOVED-END FITTINGS, PIPE COUPLINGS AND JOINTS. |
|  |   |  |

STANDPIPE AND DISTRIBUTION PIPING 2 1/2"

PIPING SCHEDULE

SCHEDULE 10 BLACK STEEL PIPE WITH ROLL-GROOVED

ENDS; GROOVED-END FITTINGS, PIPE COUPLINGS AND

100

| ADDLICATION(C)                                     | SPRINKLER SCHEDULE  TYPE                          | FDAME/C)                       | DECDONCE | IN EVICTORIES | FINICLI    |
|--|---|--------------------------------|----------|---------------|------------|
| APPLICATION(S)                                     | ITPE  | FRAME(S)                       | RESPONSE | K-FACTOR(S)   | FINISH     |
| BACK OF HOUSE SPACES WITH EXPOSED CEILINGS         | STANDARD-SPRAY, EXPOSED                           | UPRIGHT, PENDENT<br>& SIDEWALL | QUICK    | 5.6, 8.0*     | BRASS      |
| NON-RESIDENTIAL SPACES WITH FINISHED CEILINGS      | STANDARD-SPRAY, CONCEALED WITH FLAT COVERPLATE    | PENDENT                        | QUICK    | 5.6, 8.0*     | SEE NOTE 1 |
| RESIDENTIAL DWELLING UNITS AND ADJOINING CORRIDORS | RESIDENTIAL-SPRAY, CONCEALED WITH FLAT COVERPLATE | PENDENT                        | FAST     | 4.9           | SEE NOTE 2 |

1. PROVIDE SQUARE COVERPLATES FOR SPRINKLERS WITH WHITE FINISHES FOR GYPSUM AND ACT CEILINGS AND BLACK FOR WOOD CEILINGS. PROVIDE CUSTOM COLORED COVERPLATES FOR METAL CEILINGS IN THE OWNER'S LOUNGE OF TOWER C. 2. PROVIDE SQUARE COVERPLATES FOR SPRINKLERS WITH WHITE FINISHES FOR GYPSUM CEILINGS AND BLACK FOR WOOD CEILINGS.

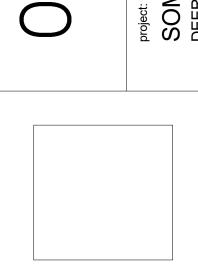
| SPRINKLER | SYSTEM DESIGN | CRITERIA | - NFPA |
|-----------|---------------|----------|--------|
|           |               |          |        |

|   | SPRINKLER S      | 13 I EINI DESIGN CRITE  | MIA - INFFA IS                   |                                  |                                       |                                |
|---|------------------|-------------------------|----------------------------------|----------------------------------|---------------------------------------|--------------------------------|
|   | APPLICABLE AREAS | OCCUPANCY HAZARD        | MAX AREA PER<br>SPRINKLER (SQFT) | DISCHARGE DENSITY<br>(GPM/SQFT)  | AREA OF SPRINKLER<br>OPERATION (SQFT) | HOSE STREAM<br>ALLOWANCE (GPM) |
| AMENITIES, CORRIDORS, BATHROOMS, OFFICES, RESTARAUNT, COMMON AEAS & SIMILAR |                  | LIGHT HAZARD            | 225                              | 0.10                             | 1500                                  | 100                            |
| MECHANICAL, ELECTRICAL, TEL/DATA, PARKING, KITCHEN                          |                  | ORDINARY HAZARD GROUP 1 | 130                              | 0.15                             | 1500                                  | 250                            |
| STORAGE UNDER 12-FT   |                  | ORDINARY HAZARD GROUP 2 | 100                              | 0.20                             | 1500                                  | 250                            |
| RESIDENTIAL DWELLING UNITS & ADJOINING CORRIDORS                            |                  | RESIDENTIAL             | 256                              | 0.10                             | 4 SPRINKLERS                          | 100                            |
| GENERATOR / FUEL OIL STORAGE  |                  | EXTRA HAZARD GROUP 1    | 100                              | 0.30                             | ENTIRE ROOM                           | 500                            |
|   | STANDPIPE S'     | YSTEM DESIGN CRITE      | RIA - NFPA 14                    |                                  |                                       |                                |
| NFPA 14 CLASS   | OUTLET LOCATIONS |                         | FDV OUTLET<br>NOMINAL SIZE (IN.) | MAXIMUM STATIC<br>PRESSURE (PSI) | MINIMUM STATIC<br>PRESSURE (PSI)      | TOTAL SYSTEM<br>DESIGN FLOW    |

CLASS I - AUTO EGRESS STAIRS - MAIN LANDING \* STANDPIPE SYSTEM DESIGN FOR TOWER C IS 750 GPM; TOWERS A & B IS 1,000 GPM.

HIGH-PRESSURE WET-PIPE FIRE SUPPRESSION.

Reserved for permit stamp



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\_\_\_\_

IFC Set 2 of 3 05/17/2024

FIRE PROTECTION NOTES, LEGEND AND DESIGN CRITERIA

FP0.00