



REVISION table with columns for NO., DESCRIPTION, and DATE.

GENERAL NOTES - PLUMBING

- 1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.

GENERAL NOTES - FIRE PROTECTION

- 1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT THAT A COMPLETE FIRE PROTECTION SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES.

FIRE PROTECTION SYSTEM DESIGN CRITERIA

1. SCOPE OF WORK:  
THE SCOPE OF WORK FOR THE PROJECT IS NEW CONSTRUCTION OF THREE (3) STORY RESTAURANT BUILDING. THE FIRE SYSTEMS FOR THE BUILDING SHALL CONSIST OF AN AUTOMATIC SPRINKLER SUPPRESSION SYSTEMS.

2. CODES AND STANDARDS:  
A. FLORIDA FIRE PREVENTION CODE (2017), FLORIDA BUILDING CODE (2017).  
B. NFPA STANDARDS TO BE APPLIED ARE AS FOLLOWS:  
NFPA 13, INSTALLATION OF FIRE SPRINKLER SYSTEMS (2010)  
NFPA 72, NATIONAL FIRE ALARM CODE (2010)  
NFPA 101, LIFE SAFETY CODE (2009)  
C. ANSI A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS

3. DESIGN CRITERIA:  
THE FIRE STAND PIPE RISERS SHALL BE PROVIDED WITH RISER SHUTOFF VALVE WITH TAMPER SWITCH AND WATER FLOW SWITCH. ALL SPRINKLER SYSTEM FLOOR CONTROL VALVES SHALL BE PROVIDED WITH WATER FLOW SWITCHES AND TEST CONNECTION. ALL SYSTEM CONTROL VALVES SHALL BE MOUNTED AND PROVIDED WITH TAMPER SWITCHES. ALL ASSOCIATED SYSTEMS SHALL BE PROVIDED WITH FLOW SWITCHES. ALL DEVICES SHALL BE CONNECTED TO A LOCAL AUDIBLE ALARM WITH REMOTE STATION MONITORING.

4. OCCUPANCY HAZARD CLASSIFICATION:  
LIGHT HAZARD:  
CORRIDORS, PUBLIC RESTROOMS, BOARD ROOM AREAS, LOBBIES, OFFICES, RESTAURANT AND BAR SEATING AREAS.  
ORDINARY HAZARD GROUP 1:  
RESTAURANT AND BARS (SERVICE AREAS), KITCHENS, LAUNDRY AND VALET, PORTE COCHERE, EXTERIOR COVERED WALKWAYS  
ORDINARY HAZARD GROUP 2:  
MECHANICAL ROOMS, ELECTRICAL ROOMS, RETAIL SPACES, STORAGE ROOMS, SERVICE AREAS, HOUSEKEEPING, MAINTENANCE AND ENGINEERING.

5. QUALITY AND PERFORMANCE SPECIFICATIONS:  
FIRE PROTECTION EQUIPMENT SHALL BE UL OR FM LISTED FOR THE APPLICATION.

SPRINKLER DESIGN CRITERIA:  
OCCUPANCY CLASSIFICATION: SYSTEM TYPE: LIGHT HAZARD WET PIPE  
DESIGN DENSITY: 0.10 GPM/FSF  
HYDRAULIC REMOTE AREA: 1500 SF  
MAXIMUM COVERAGE PER SPRINKLER: 225 SF  
HOSE STREAM ALLOWANCE: 100 GPM  
SPRINKLER HEAD TYPE: CONCEALED HEAD WITH FACTORY CEILING PAINTED PLATE

OCCUPANCY CLASSIFICATION: SYSTEM TYPE: ORDINARY HAZARD GROUP 1 WET PIPE  
DESIGN DENSITY: 0.15 GPM/FSF  
HYDRAULIC REMOTE AREA: 1500 SF  
MAXIMUM COVERAGE PER SPRINKLER: 130 SF  
HOSE STREAM ALLOWANCE: 250 GPM  
SPRINKLER HEAD TYPE: ROUGH BRASS UPRIGHT

OCCUPANCY CLASSIFICATION: SYSTEM TYPE: ORDINARY HAZARD GROUP 2 WET PIPE  
DESIGN DENSITY: 0.15 GPM/FSF  
HYDRAULIC REMOTE AREA: 1500 SF  
MAXIMUM COVERAGE PER SPRINKLER: 130 SF  
HOSE STREAM ALLOWANCE: 250 GPM  
SPRINKLER HEAD TYPE: ROUGH BRASS UPRIGHT

ELEVATORS:  
PROVIDE SIDEWALL SPRINKLER HEADS AT BOTTOM OF ELEVATOR SHAFT WITH SHUTOFF VALVE WITH TAMPER SWITCH AND FLOW SWITCH. PROVIDE ACCESS PANEL FOR VALVE AND FLOW SWITCH. COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.  
PROVIDE SIDEWALL SPRINKLER HEADS AT TOP OF ELEVATOR SHAFTS WITH SHUTOFF VALVE WITH TAMPER SWITCH AND FLOW SWITCH. PROVIDE ACCESS PANEL FOR VALVE AND FLOW SWITCH. COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.

ELECTRICAL AND TRANSFORMER ROOMS:  
PROVIDE BRASS UPRIGHT ROUGH BRASS SPRINKLER HEADS. DO NOT ROUTE PIPING ABOVE EQUIPMENT. PROVIDE SHIELDING SPRINKLER HEADS TO AVOID DISCHARGE ON ELECTRICAL PANELS.  
STAIRWELLS:  
PROVIDE ALL SPRINKLER HEADS AT THE TOP OF STAIRWELLS. SPRINKLER HEADS AT BOTTOM OF STAIRWELLS SHALL BE NOTED ON SHOP DRAWINGS.

STRUCTURAL PENETRATIONS:  
REFER TO ARCHITECTURAL DRAWINGS FOR PIPING PENETRATIONS THROUGH STRUCTURAL MEMBERS. COORDINATE PENETRATIONS OF ALL FIRE STANDPIPE MAINS AND SPRINKLER FEED MAINS AND BRANCH PIPING WITH PENETRATIONS SHOWN AND NOTED ON STRUCTURAL DRAWINGS.  
AUXILIARY SPRINKLER MAINS:  
ALL TRAPPED SPRINKLER PIPING SHALL BE PROVIDED WITH DRAINS AS DESCRIBED IN NFPA 13. ROUTE ALL DRAIN PIPING ABOVE CEILING TO LOCATION OF HUB DRAINS, FLOOR DRAINS OR MOP SINKS. DISCHARGE LOCATION OF ALL DRAINS SHALL BE APPROVED BY ARCHITECT AND ENGINEER. ALL AUXILIARY DRAIN CONNECTIONS AND DRAIN VALVES SHALL BE TAGGED AND PROVIDED WITH IDENTIFICATION AS TO LOCATION OF TRAPPED PIPING. ALL DRAINS SHALL BE NOTED ON SHOP DRAWINGS.

EXTERIOR BUILDING OVERHANGS AND WALKWAYS:  
AUTOMATIC SPRINKLERS ARE REQUIRED IN THE CEILING SPACE OF THE BUILDING OVERHANGS AT THE LOBBY LEVEL INCLUDING THE PORTE COCHERE.  
CONCEALED SPACES:  
AUTOMATIC SPRINKLER HEADS ARE REQUIRED IN ALL CONCEALED SPACES PER NFPA 13 8.8.7 AND AS SHOWN AND/OR NOTED ON PLANS.  
KITCHEN EXHAUST HOOD:  
KITCHEN EXHAUST HOOD SHALL BE PROVIDED WITH SELF-CONTAINED WET CHEMICAL AUTOMATIC FIRE EXTINGUISHING SYSTEM. HOOD SUPPRESSION SYSTEM SHALL ACTIVATE EMERGENCY GAS SHUTOFF VALVE, SHUTDOWN THE HOOD EXHAUST FAN, AND SHUNT TRIP CIRCUIT BREAKERS PROVIDING POWER TO THE ELECTRICAL EQUIPMENT LOCATED UNDER THE EXHAUST HOOD.

ABBREVIATIONS table with columns for abbreviation and full name.

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Order Plans

PLUMB - WATER HEATER SCHEDULE table with columns for EQUIP NO., LOCATION, STORAGE CAPACITY (GAL), RECOVERY (GPM), TEMPERATURE (DEG F), ELECTRIC (PHASE), NATURAL GAS (INLET, PRESS. IN W.C., FLUE SIZE), and NOTES.

PLUMB - HOT WATER RETURN PUMP SCHEDULE table with columns for EQUIP NO., LOCATION, SERVICE, TYPE, PUMP (HP), FLOW (GPM), HEAD (FT), RPM, ELECTRICAL (HP, VOLTAGE, PHASE), and NOTES.

PLUMB - MIXING VALVE SCHEDULE table with columns for EQUIP NO., LOCATION, TYPE, FLOW (GPM), PRESS DROP (PSI), MIXED WATER TEMP, and NOTES.

PLUMB - DRAIN SCHEDULE table with columns for EQUIP NO., TYPE, STRAINER/GRATE, FINISH, MIFAB, and NOTES.

PLUMB - SUMP PUMP SCHEDULE table with columns for EQUIP NO., LOCATION, SERVICE, PUMP TYPE, FLOW (GPM), HEAD (FT), ELECTRICAL (HP, VOLTAGE, PHASE), and NOTES.

PLUMB - FIXTURE CONNECTION SCHEDULE table with columns for EQUIP NO., DESCRIPTION, MINIMUM CONNECTION SIZE (WASTE, VENT, CW, HW), and NOTES.

PLUMB - WATER TREATMENT TANK SCHEDULE table with columns for EQUIP NO., LOCATION, DESIGN FLOW (GPM), PRESSURE DROP (PSI), CONSTRUCTION, and NOTES.