

FIRE PROTECTION NOTES

- THE NEW AREA TO BE 100 PERCENT SPRINKLED. SPRINKLER SYSTEM THROUGHOUT MUST BE INSTALLED AND CONTROLLED BY SEPARATE FLOW AND TAMPER SWITCHES. THE PROPOSED SPRINKLER SYSTEM SHALL BE INSTALLED IN ALL ROOMS, IN ACCORDANCE WITH THE LATEST ADAPTED BY STATE FIRE MARSHAL RULE 69A-3.012 F.A.C., THE FLORIDA SPECIFIC EDITION OF NFPA-101 THE LIFE SAFETY CODE, THE FLORIDA SPECIFIC EDITION OF NFPA-1 UNIFORM FIRE CODE, AS ADAPTED WITHIN RULE CHAPTER 69A-60 F.A.C. FLORIDA FIRE PREVENTION CODE, UL AND FM REQUIREMENTS SHALL BE TAKE PRECEDENCE FOR THE FIRE PROTECTION SYSTEM INSTALLATION IF SET STRINGENT STANDARDS OR ADD ADDITIONAL REQUIREMENTS OVER STANDARDS LISTED.
- OTHER ADAPTED & INCORPORATED BY REFERENCE BY THE STATE FIRE MARSHAL SHALL BE APPLICABLE TO THIS PROJECT THE FOLLOWING STANDARDS:
 NFPA-13 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS,
 NFPA-24 STANDARDS FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES,
 NFPA-25 STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER - BASED FIRE PROTECTION SYSTEMS,
 NFPA-51B STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK,
 NFPA-70 NATIONAL ELECTRICAL CODE,
 NFPA-72 NATIONAL FIRE ALARM CODE,
 NFPA-101A GUIDE, ON ALTERNATIVE APPROACHES TO LIFE SAFETY,
 NFPA-101B STANDARD ON MEANS OF EGRESS FOR BUILDING & STRUCTURES,
 NFPA-241 (STANDARD FOR SAFE GUARDING BUILDING CONSTRUCTION & DEMOLITION OPERATIONS,
- FLORIDA BUILDING CODE - BUILDING 2014 AND OTHER CODES & STANDARDS LATEST EDITIONS AS ADAPTED BY THE STATE FIRE MARSHAL.
- THE FIRE PROTECTION CONTRACTOR SHALL VISIT THE JOB SITE AND CHECK THE EXISTING SITE CONDITIONS BEFORE SUBMITTING HIS BID PACKAGE.
- SPRINKLER SYSTEM NEW WORK SHALL BE PERFORMED AT THE TIME AS PER GENERAL CONTRACTOR SCHEDULE.
- THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE IN HIS BID PACKAGE ALL ADDITIONAL WORK, MATERIAL, TESTS, AND INSPECTIONS AS A RESULT OF THE PROJECT SEQUENCES.
- THE NEW SPRINKLER SYSTEM PIPE SIZES ARE HYDRAULICALLY CALCULATED FOR HAZARD OCCUPANCY AS NOTED ON THE FLOOR PLANS.
- CONTRACTOR SHALL INCLUDE IN HIS BID PACKAGE COST OF ALL OFFSETS, AUXILIARY DRAINS, FLUSHING CONNECTIONS WITH RELATED PIPING, FITTINGS AND HANGERS TO COMPLETE THE INSTALLATION. THERE SHALL NOT BE APPLIED ANY EXTRA COST TO THE OWNER RESULTING FROM THE COORDINATION OF SPRINKLERS SYSTEM INSTALLATION ON THIS SITE.
- THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL INSTALL THE SPRINKLER SYSTEM AS PER CONTRACT DOCUMENT DRAWINGS & SPECIFICATIONS. SPRINKLER FABRICATION DRAWINGS SHALL BE PROVIDED ALONG WITH MATERIAL & EQUIPMENT DATA SHEETS FOR ARCHITECT, ENGINEERS & SIEMENS PROJECT MANAGER REVIEW & APPROVAL.
- THIS CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, SPRINKLER GUARDS, OTHER ITEM AS REQUIRED FOR COMPLETION OF THE SPRINKLERS INSTALLATION, AND FINAL TESTS AND APPROVALS BY LOCAL AUTHORITY HEAVING JURISDICTION AS PER LATEST ADAPTED NFPA-13 STANDARDS.
- THE CONTRACTOR DOING THE SHEET METAL SHOP DRAWINGS AND THE PLUMBING, FIRE PROTECTION, ELECTRICAL, FIRE ALARM CONTRACTORS, HVAC FOREMAN AND THE GENERAL CONTRACTOR'S PROJECT MANAGER SHALL INSPECT & REVIEW THE CONDITIONS ABOVE THE NEW CEILING AND SHALL COORDINATE THEIR WORK SO AS TO PROVIDE ADEQUATE SPACE ALLOWANCE ABOVE CEILING FOR ALL TRADES. ALL GRAVITY WASTE PIPING IN CEILING SPACE SHALL BE INSTALLED FIRST.
- SPRINKLER PIPING, FITTING, PIPE HANGERS MATERIAL SHALL BE AS PER NFPA-13 STANDARDS.
- ALL FLOW, TAMPER SWITCHES & OTHER SENSORS AS INDICATED ON THE DRAWINGS FOR THE FIRE PROTECTION SYSTEM SHALL BE FURNISHED & INSTALLED ABOVE THE FLOOD LEVEL BY THE FIRE PROTECTION CONTRACTOR. WIRING FROM THE SENSORS TO FIRE ALARM PANELS SHALL BE BY THE ELECTRICAL & FIRE ALARM CONTRACTORS.
- COORDINATE SPRINKLER AND BRANCH LINE LOCATION IN ELECTRICAL ROOMS. THE BRANCH LINES IN ELECTRICAL ROOMS SHALL NOT RUN OVER ELECTRICAL PANELS.
- THE SPRINKLERS TEMPERATURE RATING SHALL BE AS PER NFPA-13 STANDARDS IF NOT SPECIFICALLY NOTED ON THE PLANS.
- SPRINKLERS IN MECHANICAL & ELECTRICAL ROOMS SHALL BE 200°F TEMPERATURE RATING, QUICK RESPONSE WITH SPRINKLERS GUARDS.
- PERMANENTLY ATTACHED INFORMATION TAGS & LABELS SHALL BE PROVIDED FOR CONTROL VALVES, DRAINS AND INSPECTOR TEST VALVES AS PER NFPA-13 AND OWNERS APPROVED STANDARDS.
- THIS CONTRACTOR SHALL INCLUDE COST OF INSTALLATION ADDITIONAL 15 SPRINKLERS (HEADS, PIPING, FITTING & HANGERS) AS A RESULT OF THE FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.
- FIRE PROTECTION CONTRACTOR SHALL PROVIDE SCAFFOLDS REQUIRED FOR SPRINKLER SYSTEM INSTALLATION.
- EXISTING CITY UNDERGROUND WATER MAIN SHOWN ON SITE PLAN FOR SPRINKLER SYSTEM CALCULATIONS ONLY. NEW FIRE FEED MAIN, BACK FLOW PREVENTER, FIRE DEPARTMENT CONNECTION, POST INDICATING VALVE, PRIVATE FIRE HYDRANTS FOR BUILDING SHALL AS PER CIVIL ENGINEERING DRAWINGS. THE SITE CONTRACTOR SHALL EXTEND SERVICE LINE TO 5'-0" FROM THE BUILDING EXTERIOR WALL TO NEW SERVICE SYSTEMS SHOWN ON SITE PLAN & GROUND FLOOR PLAN.
- THE DOMESTIC WATER SERVICE LINE, SHOWN ON THE SITE PLAN SHALL BE SEPARATE FROM THE BUILDING FIRE MAIN AND SHALL BE CONSTRUCTED AS PER CIVIL ENGINEERS DRAWINGS.
- CONTRACTOR SHALL KEEP A RECORD DRAWINGS A SPECIFY LOCATIONS OF ALL CONCEALED WORK AND, UPON COMPLETION OF THE JOB, SHALL SUBMIT AS-BUILT DRAWINGS SHOWING IN COLORED PENCIL ON BLACK LINE PRINTS ANY DEVIATION FROM THE ORIGINAL FABRICATION DRAWINGS. THESE DRAWINGS SHALL INDICATE DIMENSIONS, DISTANCES FROM WALLS & PIPE, SUPPORTS LOCATIONS OF CONCEALED LINES. THE AS-BUILT DRAWINGS SHALL BE PART OF THE CLOSE-OUT DOCUMENT PACKAGE.
- FINAL APPROVAL OF THE FIRE SYSTEM IS REQUIRED FROM THE LOCAL AUTHORITY HAVING JURISDICTION.
- WARRANTY: THE FIRE PROTECTION CONTRACTOR SHALL WARRANT HIS WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF WORK.

ABBREVIATIONS			
ABBREVIATIONS	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
ACV	ALARM CHECK VALVE	F.P.C.	FIRE PROTECTION CONTRACTOR
AFG	ABOVE FINISHED GRADE	FS	FLOW SWITCH
AF	ABOVE FINISHED FLOOR	GALV.	GALVANIZED
ALV	ALARM VALVE	G.C.	GENERAL CONTRACTOR
ATR	ALL THREAD ROD	GLV	GLOBE VALVE
AUX.	AUXILIARY	GPM	GALLONS PER MINUTE
BFP	BACK FLOW PREVENTER	GR	GROOVED
BNV	BUTTERFLY INDICATING VALVE	HMD	HYDRAULICALLY MOST DEMANDING
BL	BRANCH LINE	ID	IDENTIFICATION
BLV	BALL VALVE	INV	INVERT
BLDG	BUILDING	ITV	INSPECTOR'S TEST VALVE ASSEMBLY
BTN	BETWEEN	M.C.	MECHANICAL CONTRACTOR
C.E.	CIVIL ENGINEERS	N.C.	NORMALLY CLOSED
CI	CAST IRON	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION.
CL	CENTERLINE	NIC	NOT IN CONTRACT
CONC	CONCRETE	N.O.	NORMALLY OPEN
CPVC	CHLORINATED POLYVINYL CHLORIDE	N.T.S	NOT TO SCALE
CR	CORROSION RESISTANT	OH	OVERHEAD
CV	CHECK VALVE	OSY	OUTSIDE SCREW AND YOKE
DIA. OR~	DIAMETER	PIV	POST INDICATOR VALVE
DIP	DUCTILE IRON PIPE (CL 50 U.O.N.)	PSI	POUNDS PER SQUARE INCH
DN.	DOWN	PVC	POLYVINYL CHLORIDE
DS	DRY SYSTEM	R	RADIUS
DV	DELUGE VALVE	RCP	REFLECTED CEILING PLAN
EAG	ELECTRICAL ALARM GONG	RP	REDUCED PRESSURE
E.C.	ELECTRICAL CONTRACTOR	RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
ELE.	ELECTRIC	S.C.	SITE CONTRACTOR
EX.	EXISTING	SCH	SCHEDULE
EXC	EXTENDED COVERAGE	SPK	SPRINKLER
FA	FIRE ALARM	TB	TRUSS BRACK
FCV	FLOOR CONTROL VALVE	THR	THREADED
FDC	FIRE DEPARTMENT CONNECTION	TS	TAMPER SWITCH
FDV	FIRE DEPARTMENT VALVE	TY	TYPICAL
FH	FIRE HYDRANT	UG	UNDER GROUND
FHR	FIRE HOSE RACK	U.O.N.	UNLESS OTHERWISE NOTED
FL	FLANGED	V	VERIFY IN FIELD
FLR	FLOOR	WEG	WATER ELEC. GONG

NOTE: NOT ALL ABBREVIATIONS ARE USED FOR THIS PROJECT..

HYDRANT #	-
LOCATION	20770 TROUT CREEK CS-18-1-17
STATIC	65
	60
FLOW (GPM)	278
DATE	5/25/17
TIME	9:00 AM
PERFORMED BY	TAMPA WATER DEPARTMENT

ALL MATERIAL, DEVICES, AND EQUIPMENT MUST COMPLY WITH BUY AMERICAN REQUIREMENTS OF AMERICAN RECOVERY & REINVESTMENT ACT.

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
---	EX. UNDERGROUND FIRE LINE (SEE CIVIL ENGINEERING DRAWINGS)
---	CITY WATER MAIN (SEE CIVIL ENGINEERING DRAWINGS)
---	CROSS MAIN WET SYSTEM
---	CROSS MAIN DRY SYSTEM
---	BRANCH LINE WITH PIPE HANGER
---	DROP NIIPLE TO SPRINKLERS
---	SPRINKLER DRAIN PIPING
○	PENDENT RECESSED SPRINKLER HEADS
○	PENDENT CONCEALED
○	UPRIGHT SPRINKLER HEADS
○	UPRIGHT SPRINKLERS WITH GUARD
○	SMALL SPRINKLERS WITH GUARD
○	POINT CONNECTION TO EXISTING PIPING
○	VALVE WITH TAMPER SWITCH
○	CHECK VALVE
○	PROPOSED FIRE DEPARTMENT CONNECTION (SHOWN FOR REFERENCE ONLY)
○	PRESSURE GAUGE
○	WATER FLOW SWITCH
○	NEW FIRE HYDRANT (SEE C.E. DRAWINGS)
○	BACK FLOW PREVENTER
○	EX. FIRE HYDRANT (SEE C.E. DRAWINGS)
○	EX. ELECTRIC ALARM BELL
○	WIRING TO ALARM SYSTEM (BY E.C.)
○	FLOOR CONTROL VALVE ASSEMBLY
○	FLOOR INSPECTOR TEST VALVE ASSEMBLY
○	EX. FIRE HOSE VALVE
○	PREACTION SYSTEM CONTROL CABINET ASSEMBLY
○	ANGLE DELUGE VALVE & TRIM.
○	HYDRAULIC CALCULATION INDICATOR

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

FIRE PROTECTION DRAWING INDEX

SHEET	DESCRIPTION
FP-1.0	FIRE PROTECTION DRAWING INDEX, GENERAL NOTES, LEGENDS AND FLOW & PRESSURE TEST DATA
FP-2.0	FIRE PROTECTION SITE PLAN
FP-3.0	FIRE PROTECTION FLOOR PLAN
FP-3.1	FIRE PROTECTION ATTIC PLAN
FP-4.0	FIRE PROTECTION DETAILS
FP-5.0	FIRE PROTECTION SPECIFICATION



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SCALE: N.T.S

FIRE PROTECTION DRAWING
 INDEX, GENERAL NOTES,
 LEGENDS AND FLOW AND
 PRESSURE TEST DATA

SHEET NUMBER

FP-1.0

X OF X

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Designed	JL
EOR	JHG
Job no.	17049

Order Plans