

FIRE PROTECTION GENERAL NOTES

- FIRE PROTECTION SYSTEM(S) TO COMPLY WITH NFPA 13 (2013), NFPA 24 AND ALL APPLICABLE
- ADHERE TO AND OBTAIN ALL PERMITS, LICENSES, AND ALL GOVERNMENT REQUIREMENTS. FINAL INSPECTION AND APPROVAL BY FIRE MARSHAL AND ARCHITECT/ENGINEER.
- 4. CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS TO BE DONE ONLY WITH THE WRITTEN APPROVAL OF THE ARCHITECT. 5. PIPE ROUTING SHOWN SHALL BE USED AND ANY ADDITIONAL OFFSETS OR FITTINGS
- REQUIRED FOR PROPER INSTALLATION, COORDINATION WITH OTHER TRADES, AND/OR TO MAINTAIN PROPER CLEARANCES SHALL BE PROVIDED. VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND AVOID ANY/ALL OBSTRUCTIONS OR INTERFERENCES WITH FIRE PROTECTION PIPE ROUTING.
- METHODS OF HANGING PIPES, HEADERS, AND BRANCHES SHALL BE IN ACCORDANCE WITH NFPA 13. PROVIDE ACCESS PANELS AND SIGNS TO ALL VALVES ABOVE NON-ACCESSIBLE CEILINGS (BY OTHERS). SPRINKLER HEADS ARE TO BE COORDINATED WITH ALL DIFFUSERS, SPEAKERS, LIGHTING FIXTURES, AND CEILING SYSTEMS.
- PROVIDE HEAD GUARDS ON SPRINKLER HEADS ALL LOCATIONS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE.
- AUTOMATIC SPRINKLER TEMPERATURE RATINGS TO BE IN ACCORDANCE WITH NFPA 13. ALL COMPONENTS SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL)
- ALL COMPONENTS SHALL BE LISTED FOR THE MAXIMUM SYSTEM PRESSURE, 175 PSI MINIMUM. VALVES ON THE FIRE PROTECTION SYSTEM TO BE ELECTRICALLY SUPERVISED. TYPE AND EXACT LOCATION OF FLOW, PRESSURE, AND SUPERVISORY SWITCHES SHALL BE COORDINATED BETWEEN THE DIFFERENT RESPONSIBILE TRADES.
- WIRING OR DEVICES REQUIRED SHALL BE PROVIDED. ALL POWER WIRING SHALL BE ACCOMPLISHED UNDER THE ELECTRICAL DIVISION. ALL CONTROL AND INTERLOCK WIRING SHALL BE ACCOMPLISHED UNDER THIS SECTION OF THE SPECIFICATIONS IN ACCORDANCE WITH THE REQUIREMENTS IN THE ELECTRICAL
- SPRINKLERS SHALL COVER THE ENTIRE AREA OF THE ROOM INCLUDING ALCOVES. SPRAY
- SHALL NOT BE BLOCKED BY WALLS OR PARTITIONS. PROVIDE SPRINKLERS ABOVE AND BELOW EXPOSED DUCTWORK OR OBSTRUCTIONS 4 FEET OR LARGER.
- SPRINKLERS TO BE LOCATED IN THE CENTER-OF-TILE IN ALL AREAS WITH ACOUSTICAL CEILING TILES. PROVIDE HYDRAULIC DESIGN INFORMATION SIGNS AT EACH SYSTEM RISER. ALL UPRIGHT SPRINKLERS (EXCLUDING SPRINKLERS BELOW THE DUCT) TO HAVE A DISTANCE OF 1" TO 12"
- ALL SYSTEMS TO HYDROSTATICALLY TESTED AT 200PSI FOR 2 HOURS AND THE MATERIAL TEST CERTIFICATE SHALL BE PROVIDED TO THE OWNER
- PROVIDE LOW POINTS DRAINS FOR ALL PORTIONS OF SYSTEMS WITH 5 GALLONS OR MORE OF TRAPPED WATER PROVIDE STOCK OF SPARE SPRINKLERS AND HEAD WRENCH IN A MOUNTED CABINET AS REQUIRED.

FIRE PROTECTION DESIGN CRITERIA

- . BUILDING USE IS RESTAURANT WITH COMBUSTIBLE CONSTRUCTION 2. SYSTEM PROTECTION AREA LIMITATION IS 52,000 SQ. FT. PER SYSTEM 3. TOTAL PROTECTED AREA IS APP. 7,908 sq.ft 4. BUILDING IS PROTECTED BY A WET SYSTEM, & A DRY SYSTEM (FOR THE PROTECTION OF THE AREAS SUBJECT TO FREEZING)
- 5. CALCULATION METHOD USED IS AREA/DENSITY PER NFPA 13. 6. HAZEN-WILLIAMS COEFFICIENT USED IS C-120 (INSIDE) & C-140 (UNDERGROUND) 7. BOTH PIPE SYSTEM (STANDARD COVERAGE HEADS, QUICK RESPONSE):

LIGHT HAZARD: DESIGN DENSITY: DESIGN AREA:

.10 GPM/SQ.FT. PER NFPA 13 PROTECTION AREA PER SPRINKLER: 225 SQ. FT. MAXIMUM HEAD SPACING: 15'-0" MAXIMUM OUTSIDE HOSE ALLOWANCE: 100 GPM

ORDINARY HAZARD GROUP I:

DESIGN DENSITY: .15 GPM/SQ.FT. DESIGN AREA: PER NFPA 13 PROTECTION AREA PER SPRINKLER: 130 SQ. FT. MAXIMUM HEAD SPACING: 15'-0" MAXIMUM OUTSIDE HOSE ALLOWANCE: 250 GPM

FIRE PROTECTION PIPE TYPE

SYMBOL DESCRIPTION

1'x4' LIGHTING FIXTURE, RECESSED, CEILING MOUNTED

DIFFUSER GRILLE

RETURN AIR GRILLE

EXIT/AREA REFUGE LIGHT, UNIVERSAL MOUNTED

SMOKE DETECTOR, CEILING MOUNTED

GYPSUM WALLBOARD CEILING

2x2 LAY-IN ACOUSTICAL CEILING

- WET PIPE SYSTEM(S): 1" 2" PIPING BLACK STEEL, SCHEDULE 40 1¼" – 4" PIPING BLACK STEEL, SCHEDULE 10
- BLACK STEEL, SCHEDULE 10 6" PIPING <u>UNDERGROUND PIPE (INSTALLED BY OTHERS):</u> DUCTILE IRON

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	NEW CONNECTION	AFF A/S	ABOVE FINISHED FLOOR AUTOMATIC SPRINKLERS	
	NEW CONNECTION	BFP	BACKFLOW PREVENTER	
En/-0	ELEVATION - FINISHED FLOOR TO	cv	CONTROL VALVE	
	CENTER LINE OF THE PIPE	DN	DOWN	
0'-0"	CEILING HEIGHT	EC	EXTENDED COVERAGE	
[0,-0,	CEILING HEIGHT	FM	FACTORY MUTUAL GLOBAL	
000	ROOM NUMBER	FDC	FIRE DEPARTMENT CONNECTION	
		FHVC	FIRE HOSE VALVE CABINET	
		FS	FLOW SWITCH	
BOS 0'-0"	ELEVATION— FINISH FLOOR TO BOTTOM OF THE STEEL	GB	GLASS BULB	
	DOTTOWN OF THE STELL	GPM	GALLONS PER MINUTE	
	HANGER	LPS	LOW PRESSURE SWITCH	
		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	
(12)	HYDRAULIC POINT	0S&Y	OUTSIDE SCREW & YOKE VALVE	
	HYDRAULICALLY CALCULATED	PIV	POST INDICATOR VALVE	
	REMOTE AREA	PS	PRESSURE SWITCH	
		PSI	POUNDS PER SQUARE INCH	
		RPZ	REDUCED PRESSURE BACKFLOW PREVENTER	
	1x4 RECESSED FLUORESCENT LIGHT	RN OR	RISER NIPPLE QUICK RESPONSE	
		REC PEND	RECESSED PENDENT	
	DOWNLIGHT, SCONE FIXTURE	TEMP	TEMPERATURE	
	·	TS TS	TAMPER SWITCH	
	2 A PEOESSED FILIADESSENT LIGHT	UL UL	UNDERWRITER'S LABORATORY	
	2x4 RECESSED FLUORESCENT LIGHT	W/	WITH	
		"/	11111	=
	LIGHTING FIXTURE, FLUORESCENT,		LOW TEST DATA	
	WALL MOUNTED		LOW IEST DATA	

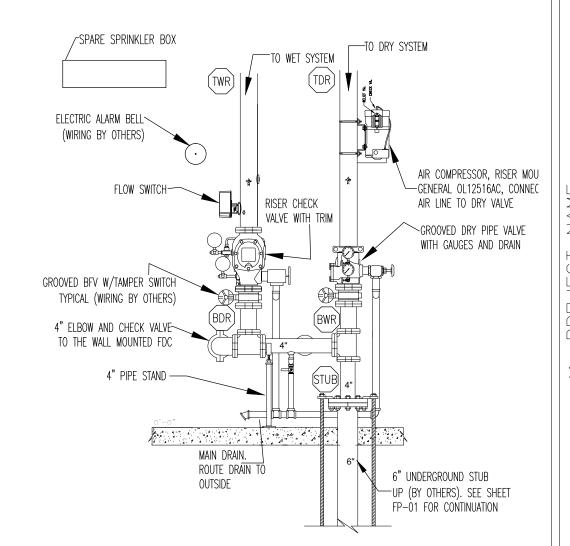


PROJECT LOCATION

NW KNIGHTS AVE

ABBREVIATIONS

FLOW HYDRANT LOCATION HYDRANT OUTLET SIZE: 2.5 COEFFICIENT: PITOT PRESSURE: 64 PSI 1340 GPM FLOW IN GALLONS: SUPPLY CHARACTERISTICS: NOTES:



SECTION A - RISER DETAIL

HANGER SPACING TABLE

SCALE: NOT TO SCALE

MAXIMUM DISTANCE BETWEEN HANGERS IN ACCORDANCE TO NFPA 13 PIPE SIZE SCH. 10 - 40 15'-0" 15'-0" 15'-0" 15'-0" | 15'-0" 15'-0"

FIRE F	PROTECTION DRAWING LEGEND
SHEET NUMBER	SHEET TITLE

FP - 1 FIRE SPRINKLER PLAN - SITE PLAN, DETAILS AND NOTES

FP - 2 FIRE SPRINKLER PLAN - FLOOR PLAN

FIRE SPRINKLERS

> ENGINEERING DESIGNING FABRICATION INTALLATION INSPECTION BFP TESTING:

686 EDGEWOOD AVE N., JACKSONVILLE, FL 32254

TEL: 904 384-1066 FAX: 904 302-9808

E-MAIL:

INFO@STARFIRESPRINKLERS,COM

NOTE A N SPRINKLER FIRE

No DATE: DESCRIPTION: 02/27/2020 DATE: DESIGNED BY: DESIGNER DRAWN BY: DRAFTER AS NOTED SCALE:

JDB No: NA

1 OF 2 SHEET OF:

FP - 1