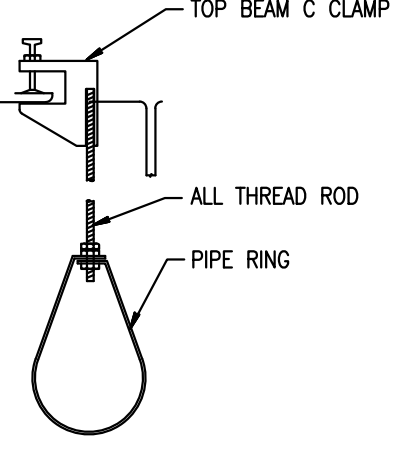





FIRE PROTECTION NOTES	
1.	THE ENTIRE FACILITY WILL BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM SUPPLIED BY A COMBINATION FIRE STANDPIPE / AUTOMATIC SPRINKLER SYSTEM LOCATED WITHIN THE BUILDING STAIRWELLS.
2.	THE FIRE PROTECTION SYSTEMS, DESIGN, INSTALLATION, AND MATERIALS SHALL MEET ALL REQUIREMENTS FOR AN NFPA 13 SPRINKLER SYSTEM.
3.	ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNER'S INSURANCE UNDERWRITER, IRI, AND LOCAL AUTHORITIES HAVING JURISDICTION.
4.	SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTOR'S FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF THE LOCAL CODE AUTHORITY AND OWNER'S INSURANCE UNDERWRITER; SPRINKLER PIPING; SPRINKLER HEADS; AND ACCESSORIES.
5.	ALL FIRE PROTECTION DRAWING SUBMITTALS SHALL BE AT 1/8" SCALE AS A MINIMUM. ALL SUBMITTALS SHALL BE IN REPRODUCIBLE VELLUM OR MYLAR FORMAT ONLY. SUBMITTALS OF MULTIPLE PRINTS WILL BE RETURNED WITHOUT REVIEW.
6.	SPRINKLER SUBMITTAL DRAWINGS SHALL INCLUDE ALL LIGHTS, GRILLES, SOFFITS, ALARMS, SPEAKERS AND OTHER CEILING COMPONENTS, AS WELL AS HYDRAULIC NODE POINTS, TO INSURE COORDINATION.
7.	CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
8.	ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER.
9.	ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
10.	ALL SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY DESIGNED TO THE AVAILABLE WATER SUPPLY. CONTRACTOR SHALL FIELD VERIFY ADEQUACY (FLOW, PRESSURE, ETC.) OF EXISTING FIRE SUPPLY PRIOR TO DESIGN, FABRICATION, AND INSTALLATION OF SPRINKLER SYSTEM. A MINIMUM OF 10 PSI SAFETY FACTOR SHALL BE INCLUDED IN THE CALCULATIONS FOR FUTURE LOSSES IN THE WATER SERVICE PRESSURE.
11.	HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS.
12.	AUTOMATIC SPRINKLER SYSTEM CONNECTIONS SHALL BE PROVIDED WITH FLOW SWITCHES ADJACENT TO THE ZONE CONTROL VALVE EITHER WIRED FOR ANNUNCIATION AT THE MAIN FIRE ANNUNCIATOR CONTROL PANEL OR PROVIDED WITH A WATER MOTOR GONG.
13.	AUTOMATIC SPRINKLERS WILL BE PROVIDED IN ALL ELEVATOR SHAFTS, ELEVATOR MACHINE ROOMS AND ELECTRICAL ROOMS. THE SERVICE TO EACH OF THESE SPACES SHALL BE PROVIDED WITH A CONTROL VALVE WITH TAMPER SWITCH AND A FLOW SWITCH LOCATED IN AN ADJACENT ROOM AND WIRED FOR ANNUNCIATION AT THE MAIN FIRE ALARM CONTROL PANEL.
14.	ALL VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES WIRED FOR ANNUNCIATION AT THE OWNER'S CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES SHALL BE BY OTHERS.
15.	GROOVED (VICTAULIC) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCH GEAR, PANELS, TRANSFORMERS, ETC.
16.	ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
17.	SIAMESE FIRE DEPARTMENT CONNECTION SHALL BE 2-WAY EXPOSED SIAMESE TYPE, 2-1/2" X 2-1/2" X 4" SIZE, CAST BRASS BODY, POLISHED CHROME FINISH FOR ALL EXPOSED SURFACES, CAST BRASS ESCUTCHEON, AND BRASS FEMALE HOSE INLETS HAVING INDIVIDUAL CLAPPER VALVES, PLUGS, AND CHAINS. HOSE INLETS AT 2'-6" ABOVE ADJACENT GRADE. ASSEMBLY SHALL BE POTTER-ROEMER 5880 SERIES OR APPROVED EQUAL.
18.	ALTERNATE ACCEPTABLE MANUFACTURERS WITH EQUIVALENT SPRINKLERS ARE AUTOMATIC, CENTRAL, GRINNELL AND GEM.
19.	SPRINKLER HEADS INSTALLED IN LAY-IN ACOUSTICAL TILE CEILINGS SHALL BE INSTALLED AT CENTER POINTS IN THE CEILING TILES OR INSTALLED ON QUARTER POINTS OF THE FOUR FOOT DIMENSIONS OF 2' X 4' TILES.
20.	ALL DRY PIPE SPRINKLER SYSTEMS SHALL BE COMPLETE WITH OS&Y GATE VALVES AND DRY PIPE VALVES, AIR COMPRESSORS, WATER MOTOR GONGS, ACCESSORIES AND PRESSURE SWITCHES COMPATIBLE WITH THE OWNERS CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES WILL BE BY OTHERS.
21.	ALL PIPING ON THE SYSTEM SIDES OF DRY PIPE OR PREACTION VALVES SHALL BE GALVANIZED CLASS 150 AND 300 MALLEABLE IRON THREADED FITTINGS, ANSI B16.1.
22.	THE ATTIC SHALL BE PROTECTED WITH A DRY PIPE SYSTEM. THE RISER AND COMPRESSOR SHALL BE LOCATED IN THE FIRST FLOOR MECHANICAL ROOM. PROVIDE 5 HP AIR COMPRESSOR.
23.	EACH FLOOR SHALL BE INDEPENDENTLY ZONED. PROVIDE A FLOOR CONTROL VALVE WITH FLOW AND TAMPER SWITCH AT EACH LEVEL.
24.	SEISMIC BRACING SHALL BE PROVIDED AS REQUIRED BY THE LOCAL AUTHORITIES.
25.	A SEISMIC EXPANSION LOOP SHALL BE PROVIDED AT ALL PIPES CROSSING THE SEISMIC JOINT IN THE BUILDING. METAFLEX METALOOP SYSTEM, OR EQUAL. THE LOOP, ANCHORS AND GUIDES SHALL BE INSTALLED SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER.
26.	ALL SPRINKLERS IN SPACES VISIBLE TO PUBLIC VIEW SHALL BE LOCATED SYMMETRICALLY IN RELATION TO CEILING DESIGN ELEMENTS, LIGHTING FIXTURES, SPEAKERS, DIFFUSERS, ETC. ALL CEILING COMPONENTS ARE TO BE INDICATED ON THE SUBMITTAL DRAWINGS AS NOTED PREVIOUSLY TO INSURE COORDINATION WITH ALL CEILING ELEMENTS AND DEVICES. PIPING TO SPRINKLERS IN THESE AREAS IS TO BE PROVIDED WITH RETURN BENDS IF REQUIRED TO ALLOW FOR EXACT PLACEMENT.
27.	FIRE PROTECTION SUBCONTRACTOR SHALL FURNISH AND INSTALL 2A RATED 10 LB. FIRE EXTINGUISHERS FOR EVERY 3000 SQ. FT. OF FLOOR AREA. EXTINGUISHERS SHALL BE LOCATED TO MINIMIZE TRAVEL DISTANCE TO 75 FEET.
28.	SEE SPECIFICATION FOR TYPE OF SPRINKLER HEAD TO USE IN EACH AREA.
29.	PROVIDE DIELECTRIC COUPLING AT PIPE PENETRATION THROUGH FR SHIELDED.

DESIGN CRITERIA					
AREA/USAGE	HAZARD CLASSIFICATION	DENSITY GPM/SQ.FT.	REMOTE AREA	MAXIMUM HEAD SPACING	INTERIOR HOSE STREAM
PUBLIC SPACES, LOBBIES, CORRIDORS OFFICES, RESTAURANT SEATING, RESIDENTIAL UNITS	LIGHT	.10	1500 SQ. FT.	225 SQ. FT.	100 GPM
MECHANICAL ROOMS, ELECTRICAL ROOMS, ELEVATOR, EQUIPMENT ROOMS, MAINTENANCE/STORAGE ROOMS, TRASH ROOMS	ORDINARY GROUP 1	.15	1500 SQ. FT.	130 SQ. FT.	250 GPM
MERCANTILE	ORDINARY GROUP 2	.20	1500 SQ. FT.	130 SQ. FT.	250 GPM
DRY PIPE SYSTEMS: PARKING GARAGES	ORDINARY GROUP 1	.15	1950 SQ. FT.	130 SQ. FT.	250 GPM




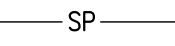
	HANGER ROD SCHEDULE			
	PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
	UP TO 2"	3/8" DIA.	4" THRU 6"	5/8" DIA.
	2 1/2 TO 3"	1/2"	6" THRU 12"	7/8" DIA.
	HANGER SPAN SCHEDULE STEEL PIPE			
	DIA., IN.	SPAN, FT(M)	DIA., IN.	SPAN, FT(M)
	1	7(2.1)	4	14(4.3)
	1 1/2	9(2.1)	5	16(4.9)
	2	10(3.1)	6	17(5.2)
	2 1/2	11(3.4)	8	19(5.8)
	3	12(3.7)	10	22(6.7)

HANGER DETAIL


SCALE: N.T.S.

SPRINKLER HEAD SCHEDULE	
SPRINKLER TYPE	SYMBOL
PENDENT	
NOTES: 1. THE FIRE PROTECTION CONTRACTOR SHALL CONFIRM SPACING, LOCATION AND COVERAGE FOR ALL FIRE SPRINKLERS. COORDINATE WITH ALL TRADES. 2. FIRE PROTECTION CONTRACTOR SHALL PROVIDE EXACT SPECS OF SPRINKLER HEAD INCLUDING MANUFACTURER, TYPE OF HEAD, MODEL NUMBER, TEMPERATURE RATING, CONNECTION SIZE, AND "K" FACTOR. 3. IF FIELD CONDITION FINDS THAT EXISTING FIRE SPRINKLER HEADS CAN BE UTILIZED, RELOCATE EXISTING SPRINKLER HEAD TO ACCOMMODATE NEW FIELD CONDITIONS AND CONNECT TO EXISTING FIRE SPRINKLER PIPE.	

FIRE PROTECTION DRAWING INDEX	
FP0.1	FIRE PROTECTION LEGEND, NOTES, DETAILS & SHEET INDEX
FP1.1	FIRE PROTECTION PLAN


FIRE PROTECTION LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	D	FIRE PROTECTION DRAIN PIPE
	FCV	FLOOR CONTROL VALVE
	FD	FIRE DEPARTMENT CONNECTION PIPE
	FDC	FIRE DEPARTMENT CONNECTION
	FDV	FIRE DEPARTMENT VALVE
	FM	FIRE PROTECTION MAIN PIPE
	FS	FIRE PROTECTION SERVICE PIPE
	FSP	FIRE STANDPIPE
	FVC	FIRE VALVE HOSE CABINET
	FSW	FLOW SWITCH
	IT	INSPECTOR'S TEST CONNECTION PIPE
	RCV	RISER FLOOR CONTROL VALVE
	SP	FIRE PROTECTION SPRINKLER ZONE PIPING
	TH	PUMP TEST HEADER
	TSW	OS&Y GATE VALVE W/ TAMPER SWITCH
	SP	SPRINKLER HEAD
	(D)	DEMOLISH
	(R)	RELOCATE EXISTING
	(E)	EXISTING TO REMAIN

OWNER



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CONSULTANT

PROJECT TITLE	
FIRE RESCUE STATION 95 LOUNGE RENOVATION	
SUBMITTAL HISTORY	
A	06/11/25 CONSTRUCTION DOCS

THE DRAWINGS AND SPECIFICATIONS INCLUDED OR REFERENCED HEREIN SHALL BE USED AS A COMPLETE SET AND SHALL NOT BE SEPARATED INTO INDIVIDUAL SHEETS OR BY DISCIPLINE.

INFORMATION CONTAINED ON ONE SHEET MAY SPECIFICALLY APPLY TO INFORMATION OR CONDITIONS ILLUSTRATED ON OTHER SHEETS.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT SUCH ITEMS ARE COORDINATED AND INCLUDED IN ANY PRICING INFORMATION.

FIELD VERIFY AND NOTIFY THE ARCHITECT OF ANY DEVIATIONS FROM THE PLANS AND / OR SPECS PRIOR TO CONSTRUCTION

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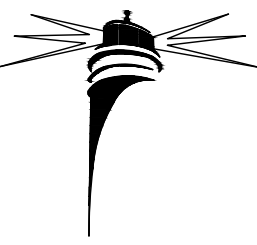
Angelo L. da Silva P.E.
Florida Reg. No. 78400

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PROJECT NUMBER
585-2024-01/BCE 250061
SHEET TITLE
FIRE PROTECTION NOTES, LEGEND, & SHEET INDEX
SHEET NUMBER

FP0.1

PERMIT SET.
06/10/2025

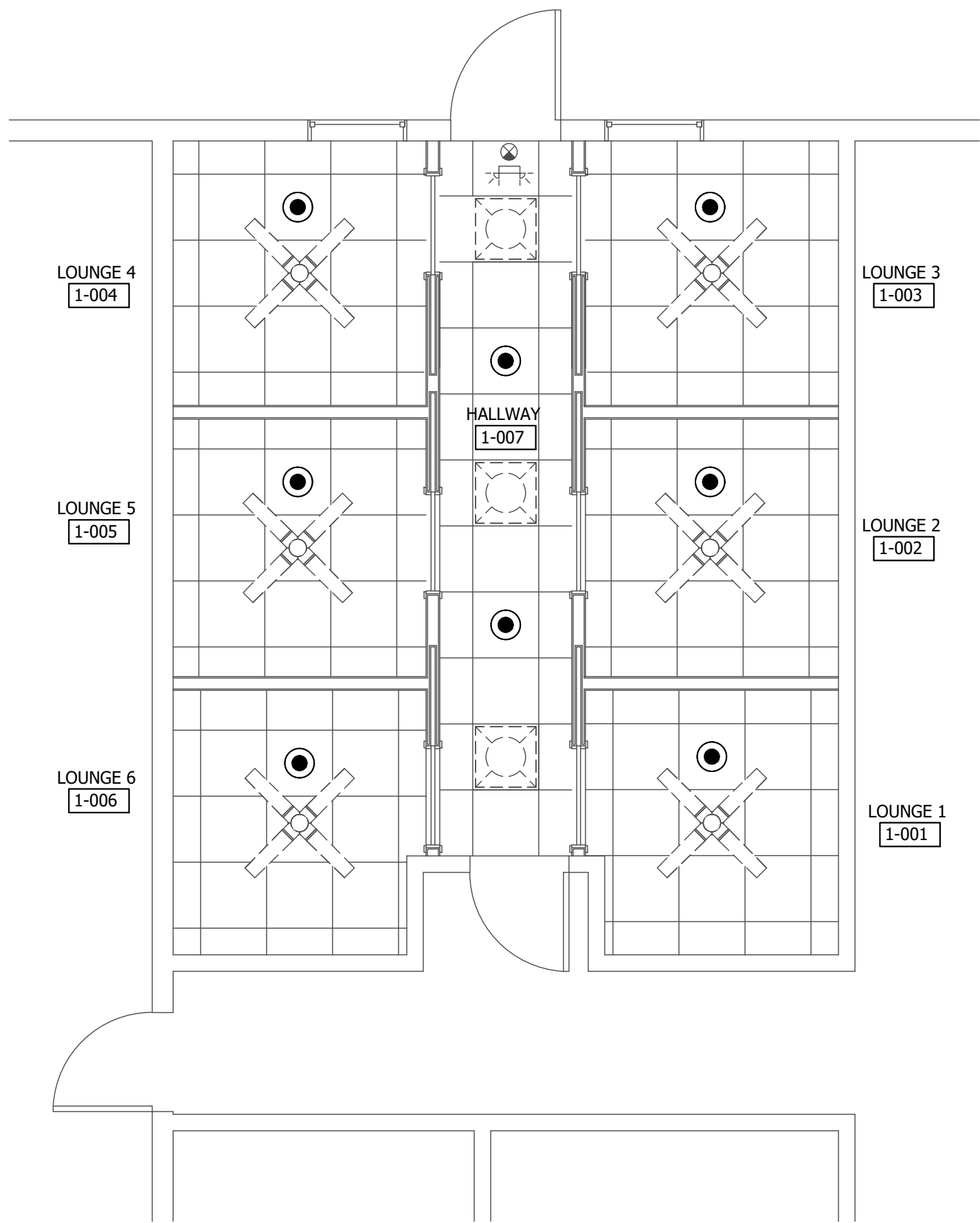


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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ANGELO L. DA SILVA, P.E., ON 11/21/2025.


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01 FIRE PROTECTION PLAN
1/4" = 1'-0"

GENERAL NOTE
FIRE SPRINKLER LAYOUT IS CONCEPTUAL. FINAL SELECTION, LOCATIONS, AND DISTANCES OF SPRINKLER HEADS AND FIRE SPRINKLER PIPE SIZE, ROUTING, VALVES, ETC. SHALL BE PROVIDED BY FIRE SPRINKLER CONTRACTOR. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR PERMIT.

OWNER



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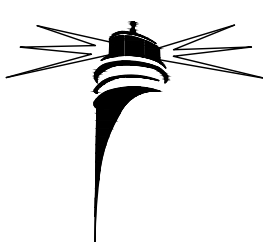
FP1.1

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06/10/2025



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