PROVIDE FIRE DEPARTMENT CONNECTION (FDC) AT LOCATION SHOWN ON DRAWING. IF FDC CANNOT BE INSTALLED AT LOCATION SHOWN, ALTERNATE FDC LOCATION SHALL BE APPROVED BY LOCAL AHJ.

GENERAL NOTES AND ALARM SYMBOLS

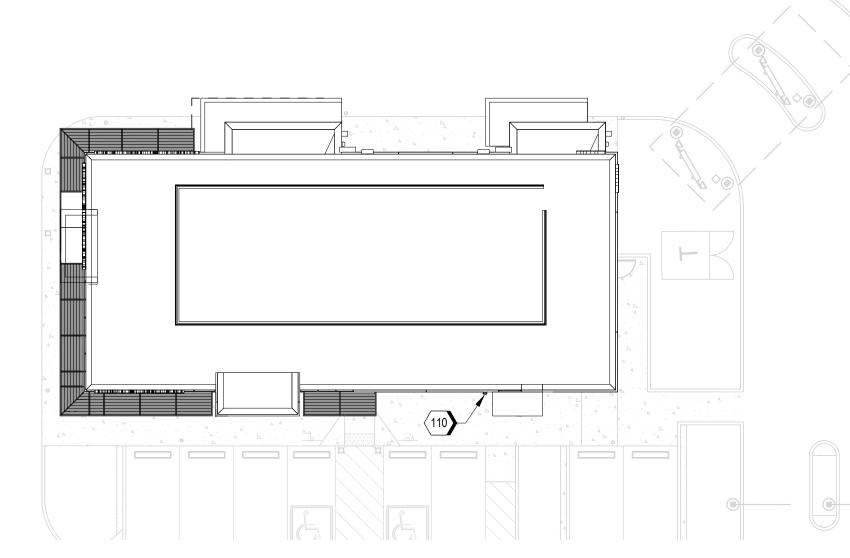
ADDRESSABLE MONITOR MODULE

FIRE ALARM SYMBOLS	FIRE

FIRE ALARM SYMBOLS			FIRE ALARM GENERAL NOTES		
FACP	UL LISTED FIRE ALARM CONTROL PANEL	A.	PROVIDE ADDRESSABLE FIRE ALARM SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH NFPA 72 AND LOCAL BUILDING/ FIRE CODES AND STANDARDS.		
(2)	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	В.	DO NOT LOCATE AREA SMOKE DETECTORS IN DIRECT AIR OR CLOSER THAN 3 FT FROM AN AIR SUPPLY OR RETURN DIFFUSER.		
		C.	PROVIDE CONNECTIONS TO THE POWER SERVICE PER NFPA 72 FOR FIRE PANELS.		
	WALL MOUNT HORN/STROBE	D.	PROVIDE 18 AWG MINIMUM INITIATING DEVICE AND SIGNALING LINE CIRCUITS.		
	CEILING MOUNT HORN/STROBE	E.	PROVIDE 16 AWG MINIMUM NOTIFICATION APPLIANCE CIRCUITS.		
F	ADDRESSABLE MANUAL PULL STATION	F.	PROVIDE SLEEVES AND WALL PLATES FOR ALL PENETRATIONS THROUGH WALLS OR FLOORS THAT MIGHT INCLUDE DRILLING THROUGH CONCRETE, METAL, SHEETROCK, OR OTHER MATERIALS. SEAL ALL PENETRATIONS IN FIRE-RATED SEPARATIONS TO MEET THE MINIMUM FIRE RATING OF THE WALL OR FLOOR.		
•			PROVIDE CLASS B NOTIFICATION AND SIGNAL LINE APPLIANCE CIRCUITS.		
WF	WATER FLOW SWITCH	H.	PROVIDE DUCT SMOKE DETECTORS FOR ALL ROOF TOP UNITS (RTU) AND AIR HANDLING UNITS (AHU) SYSTEMS WITH A CAPACITY GREATER THAN 2,000 CFM PER 2018 IBC. SUCH DETECTORS SHOULD BE LOCATED DOWNSTREAM OF LAST DUCT INLET.		
TS	TAMPER SWITCH	l.	PROVIDE DUCT SMOKE DETECTORS ON RETURN SIDE OF ALL ROOF TOP UNITS (RTU) AND AIR HANDLING UNITS (AHU) SYSTEMS WITH A CAPACITY GREATER THAN 2,000 CFM PER 2018 IMC. SUCH DETECTORS SHOULD BE LOCATED UPSTREAM OF THE CONNECTION BETWEEN THE RETURN AIR RISER AND ANY AIR DUCTS OR PLENUMS.		
		J.	CONFIRM WITH LOCAL AHJ OR AMENDMENTS EMERGENCY THAT RESPONDER RADIO COVERAGE IS NOT REQUIRED.		

FIRE PROTECTION GENERAL NOTES

- PROVIDE NEW AUTOMATIC WET FIRE SUPPRESSION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH NFPA 13 AND LOCAL BUILDING/FIRE CODES AND STANDARDS.
- PROVIDE FUSIBLE LINK SPRINKLER IN KITCHEN/FOOD PREPERATION AREA IN LIEU OF GLASS BULB SPRINKLERS.
- THIS BUILDING CONSISTS OF A SINGLE WET SPRINKLER ZONE SUPPLIED BY A SINGLE RISER.
- A FIRE PUMP SHOULD BE PROVIDED SHOULD THE SUPPLY NOT BE ABLE TO MEET SYSTEM DEMAND PLUS 10 PSI SAFETY FACTOR
- PROVIDE INTERMEDIATE-TEMPERATURE DRY PENDENT SPRINKLERS IN FREEZER AND COOLER AREA.
- PROVIDE INTERMEDIATE-TEMPERATURE FUSIBLE LINK SPRINKLERS IN KITCHEN/FOOD PREPARATION AREA.
- PROVIDE ORDINARY TEMPERATURE STANDARD SPRAY CONCEALED PENDENT SPRINKLERS IN DINING AREA.
- WATER SUPPLY TEST USED FOR HYDRAULIC CALCULATION OF FIRE PROTECTION SYSTEM SHALL BE CONDUCTED IN ACCORDANCE WITH NFPA 291 "RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS" AND WITHIN ONE YEAR OF SPRINKLER PLAN SUBMITTAL. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED PRIOR TO THE WATER SUPPLY TEST. WATER SUPPLY TEST SHALL BE WITNESSED BY THE FIRE CODE OFFICIAL. THE EXACT LOCATION OF THE STATIC/RESIDUAL HYDRANT AND THE FLOW HYDRANT SHALL BE INDICATED ON THE DESIGN DRAWINGS. ALL FIRE PROTECTION PLAN SUBMITTALS SHALL BE ACCOMPANIED BY A HARD COPY OF THE WATERFLOW TEST REPORT, OR AS APPROVED BY THE FIRE CODE OFFICIAL. WHERE APPLICABLE THE REPORT MUST INDICATE THE DOMINANT WATER TANK LEVEL AT THE TIME OF THE TEST AND THE MAXIMUM AND MINIMUM OPERATING LEVELS OF THE TANK, AS WELL, OR IDENTIFY APPLICABLE WATER SUPPLY FUNCTUATION.
- THESE DOCUMENTS DEPICT A PERFORMANCE LEVEL ENGINEERING DESIGN LAYOUT TO BE UTILIZED AS GUIDANCE FOR THE PLANNING OF THE FIRE ALARM SYSTEM BY THE CONTRACTOR. PROVIDE COMPLETE DOCUMENTS FOR REVIEW AND APPROVAL FROM THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. INCLUDE IN THE SHOP DRAWINGS, CALCULATIONS, AND ANY INSTALLATION AND COMPLY WITH LOCAL CODES AND AMENDMENTS.



THESE DOCUMENTS DEPICT A PERFORMANCE LEVEL ENGINEERING DESIGN LAYOUT TO BE UTILIZED AS GUIDANCE FOR THE

CALCULATIONS, AND ANY INSTALLATION AND COMPLY WITH LOCAL CODES AND AMENDMENTS.

PLANNING OF THE FIRE ALARM SYSTEM BY THE CONTRACTOR. PROVIDE COMPLETE DOCUMENTS FOR REVIEW AND APPROVAL FROM THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. INCLUDE IN THE SHOP DRAWINGS,





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REV	DESCRIPTION	DATE

62-40497-01 Project No.:

Client Project No.:

Drawing Title: SITE PLAN

12/22/2020 Designed: DCU Drawn: DCU

Checked: KFF

FIRE ALARM GENERAL NOTES COMMENTS KEY NAME MONITOR KITCHEN COOKING EQUIPMENT SUPPRESSION SYSTEM FOR ACTIVATION.

DRIVE-THRU AREA#3

ENTRY 100A

DINING ROOM

FIRE ALARM PLAN

DRIVE-THRU AREA #2

SERVING AREA

©

	KEYNOTE LEGEND
010	PHOTOELECTRIC SMOKE DETECTOR MOUNTED ABOVE FIRE ALARM CONTROL PANEL IN ACCORDANCE WITH NFPA 72.
211	MONITOR TAMPER SWITCH ON FIRE SPRINKLER CONTROL VALVES.
214	MONITOR KITCHEN COOKING EQUIPMENT SUPPRESSION SYSTEM FOR ACTIVATION.

6.6 6.7

DRIVE THRU AREA #1

FREEZER 115

DRY STORAGE

COOLER 114

FACP



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	REV	DESCRIPTION	DATE

Project No.: 62-40497-01 Client Project No.:

Drawing Title:

FIRE ALARM PLAN

Date:	12/22/2020	Phase:	PERMIT SET
Designed:	DCU	Drawing	No.:
Drawn :	DCU		4

|F1.1 Checked: KFF

MEN-105

COOKING 117

COOKING 107

WOMEN 106

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WASH ROOM 110

	KEYNOTE LEGEND
006	UNDERGROUND 6 INCH FIRE PROTECTION WATER CONNECTION LOCATION TO CITY WATER SUPPLY
110	PROVIDE FIRE DEPARTMENT CONNECTION (FDC) AT LOCATION SHOWN ON DRAWING. IF FDC CANNOT BE INSTALLED AT LOCATION SHOWN, ALTERNATE FDC LOCATION SHALL BE APPROVED BY LOCAL AHJ.
113	SPRINKLERS ARE NOT REQUIRED UNDER NONCOMBUSTIBLE CANOPY PER 2019 NFPA 13 9.2.3.2.
115	FIRE PROTECTION WET SYSTEM DRAIN.

6.6 6.7

DRIVE THRU AREA#1

6.9



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006 MINIMUM PRESSURE AT 5'-0" OUT FROM BUILDING: 22 PSI

Drawing Title:

FIRE SPRINKLER PLAN

Date:	12/22/2020	Phase:	PERMIT SET
Designed:	DCU	Drawing No). <i>:</i>
Drawn:	DCU	□ 4	^
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WASH ROOM

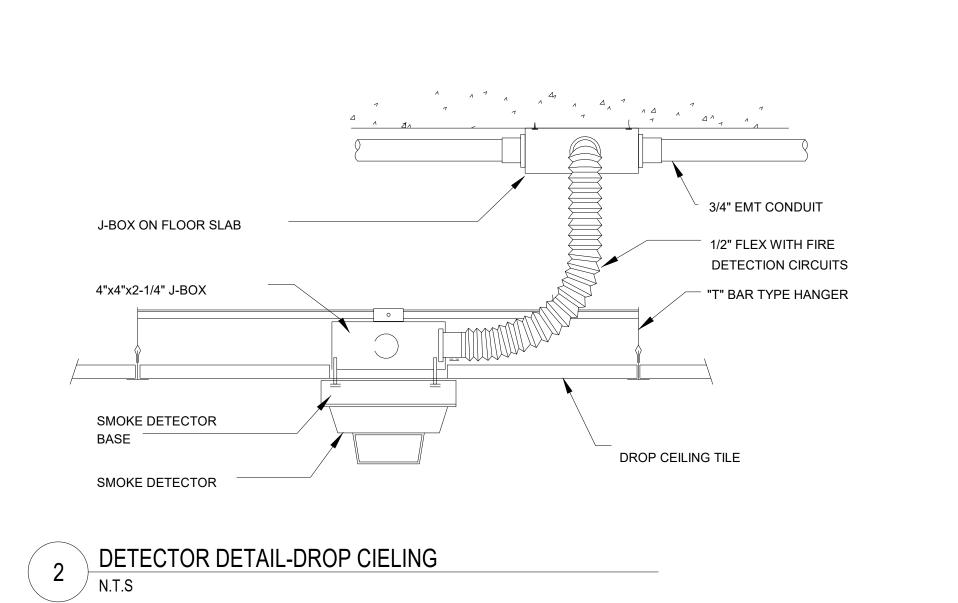
DRIVE THRU AREA#3 DRIVE-THRU AREA #2

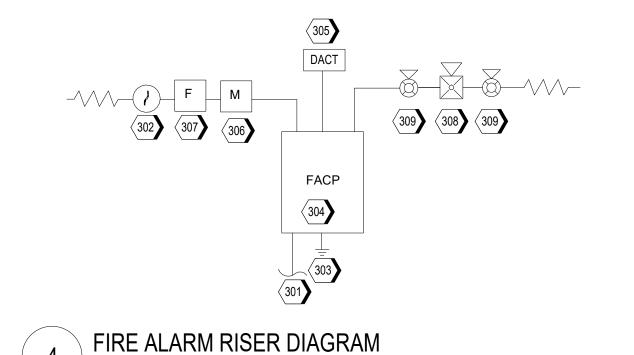
DINING ROOM 100 (B.5)

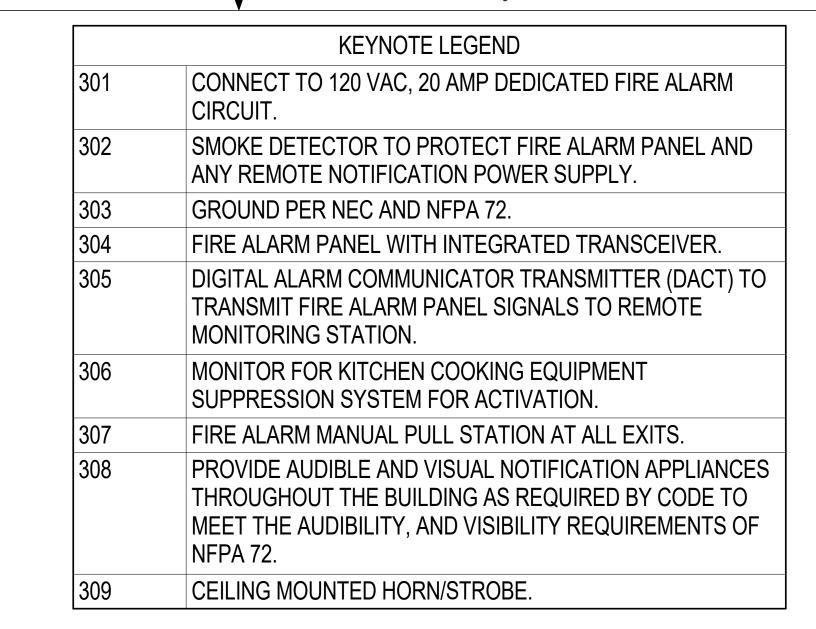
SERVING AREA

ENTRY 100A

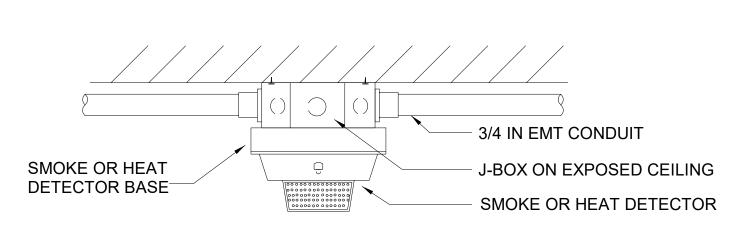
FIRE SPRINKLER PLAN
3/16" = 1'-0"



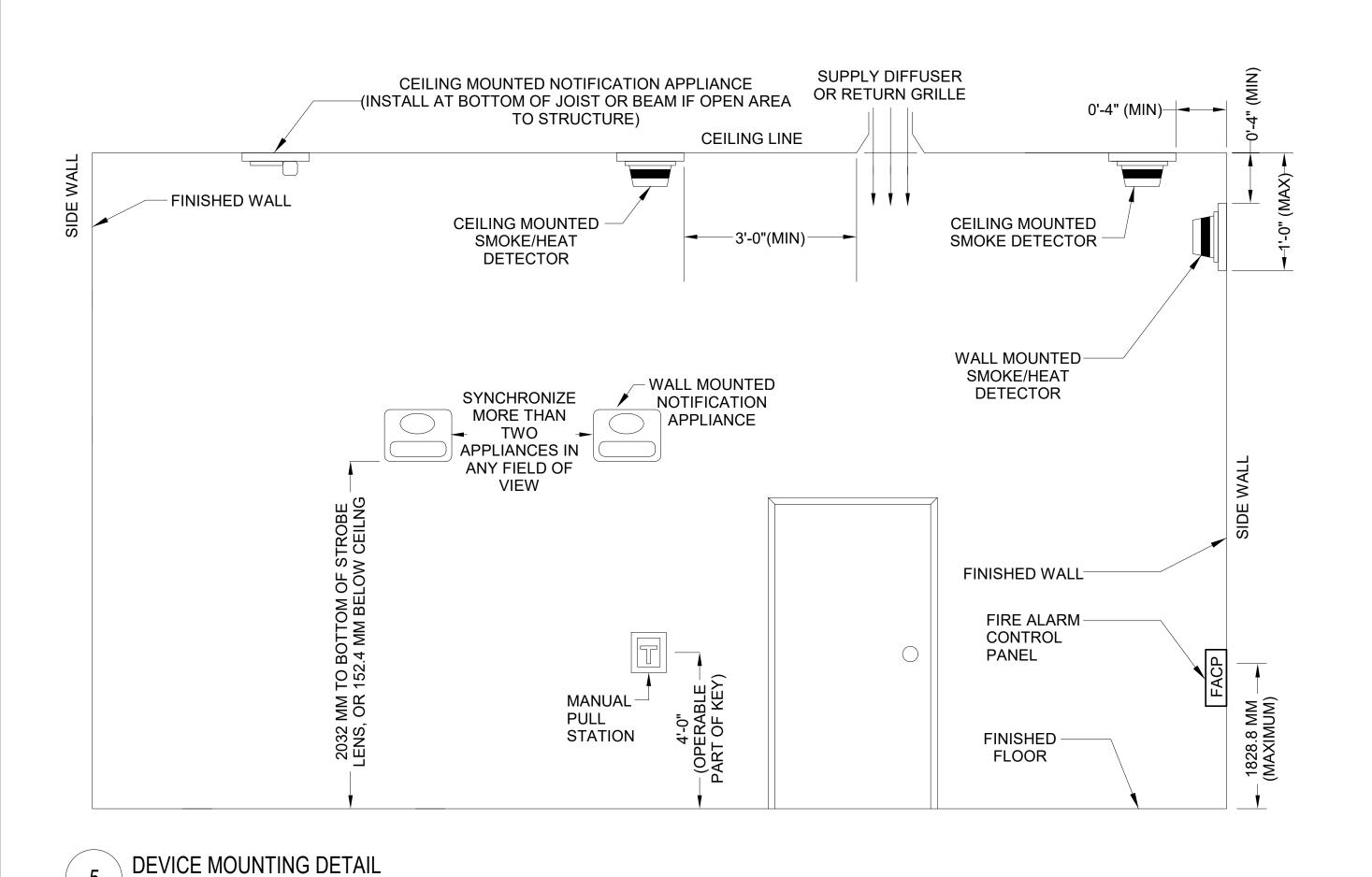


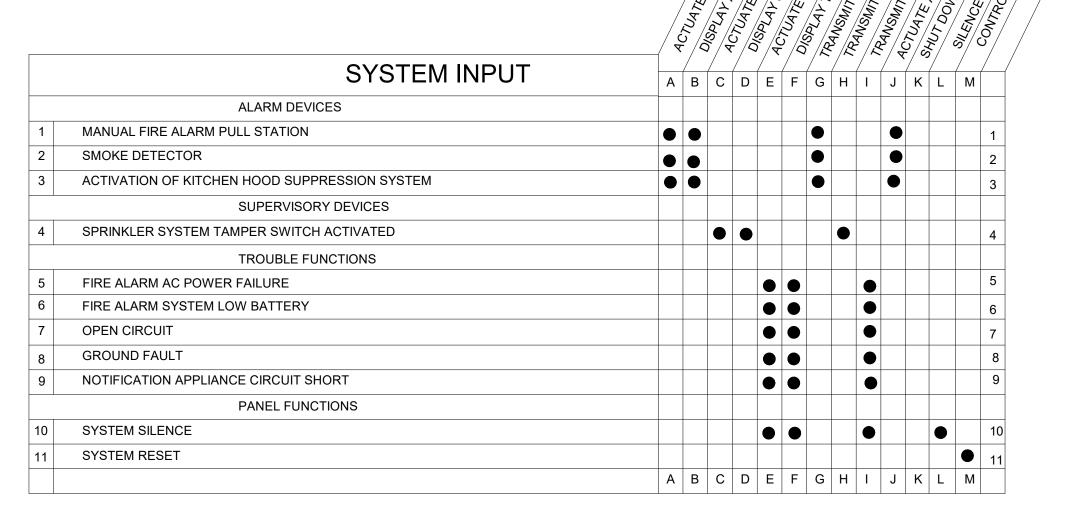


SYSTEM OUTPUTS



EXPOSED STRUCTURE DETECTOR DETAIL





FIRE ALARM SEQUENCE OF OPERATIONS

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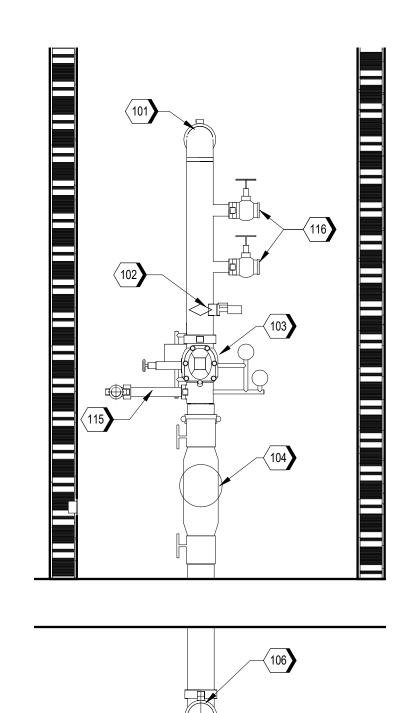
62-40497-01 Project No.: Client Project No.:

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FIRE ALARM DETAIL

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FIRE RISER DETAIL - I
1/2" = 1'-0"



FIRE RISER DETAIL - II 1/2" = 1'-0"

	KEYNOTE LEGEND
101	FIRE SPRINKLER SYSTEM MAIN.
102	WATER FLOW INDICATOR.
103	ALARM CHECK VALVE ASSEMBLY.
104	6-INCH DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER WITH TAMPER SWITCHES.
106	6-INCH FIRE SPRINKLER SYSTEM WATER SUPPLY.
115	FIRE PROTECTION WET SYSTEM DRAIN.
116	HOSE TEST CONNECTION.



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REV	DESCRIPTION	DATE

Project No.: 62-40497-01 Client Project No.:

Drawing Title:

FIRE SPRINKLER DETAIL

Phase: PERMIT SET Date: 12/22/2020 Drawing No.: Designed: DCU

Drawn: DCU Checked: KFF

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