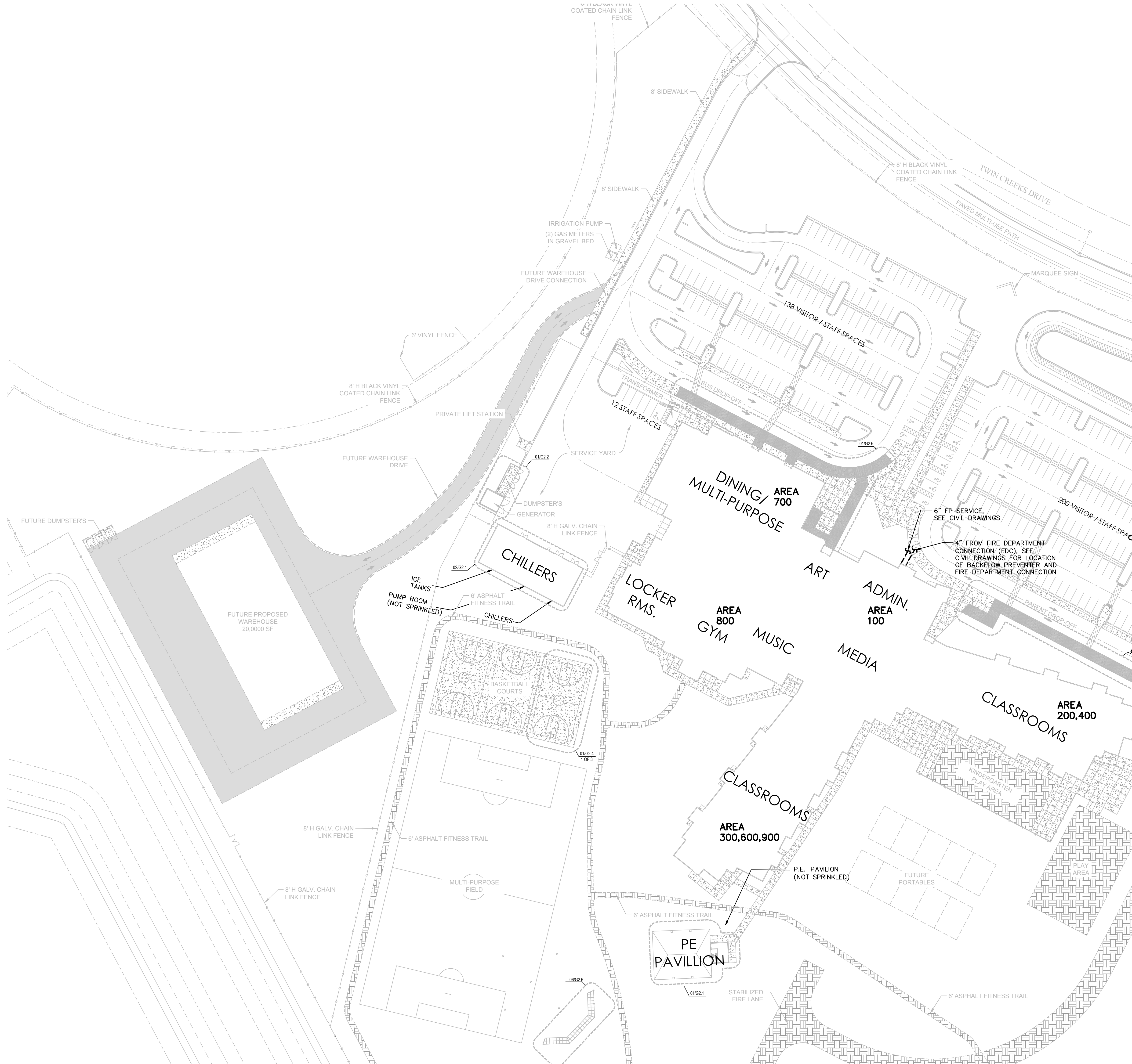


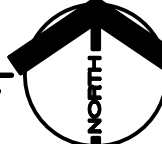
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1
FP0.2

FIRE PROTECTION SITE PLAN

SCALE: 1" = 50'-0"



K-8 SCHOOL "OO"
ST. JOHNS COUNTY SCHOOL DISTRICT - BID # 2022-50
1455 TWIN CREEKS DRIVE,
ST. AUGUSTINE, FLORIDA 32095

Comm. No: 22046.00
Date: 10-21-22
Drawn: BAR

Revisions		
No.	Date	Note

TO THE BEST OF MY KNOWLEDGE, THE
PLANS AND SPECIFICATIONS COMPLY WITH
THE MINIMUM BUILDING CODES.

James A. Corporation, P.E. 75598
Michael P. Jordan, P.E. 60094
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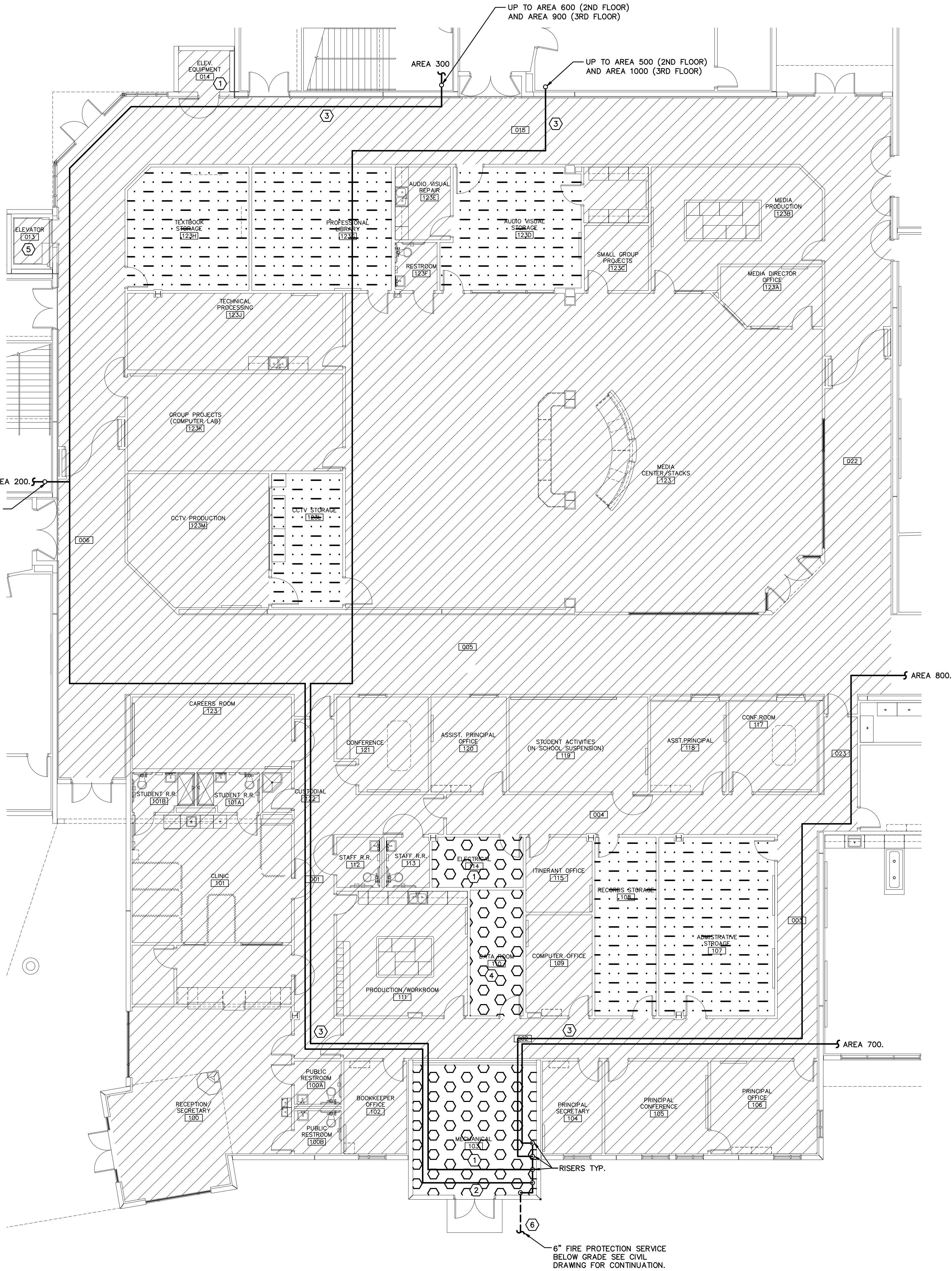
FIRE PROTECTION
SITE PLAN

FP0.2
JLRD No. 102106

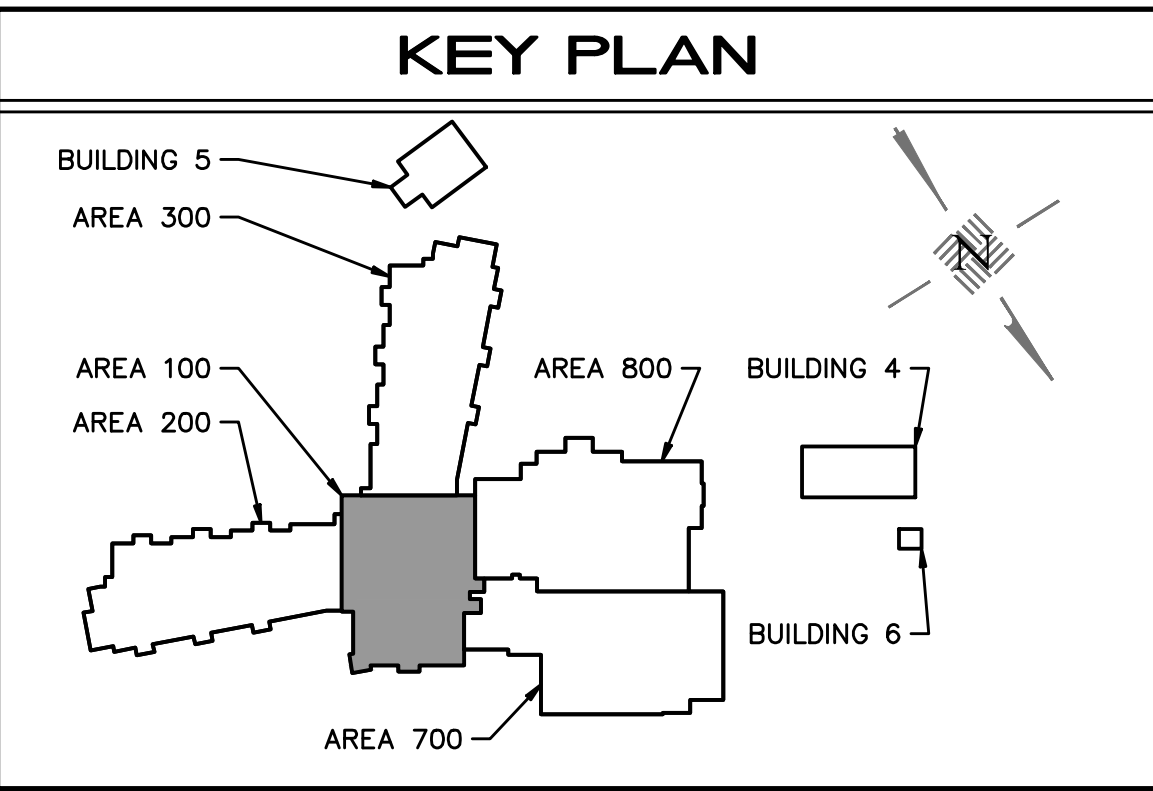
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AREA 100 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	UPRIGHT BRASS	1	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	154	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	SIDEWALL HEAD	1	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK305
WET	UPRIGHT BRASS	6	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK300
WET	SIDEWALL HEAD	2	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK305
WET	CONCEALED PENDANT	20	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY, 100 GPM HOSE.



PLAN NOTES	
1	UPRIGHT HEADS REQUIRED
2	INSPECTORS TEST ASSEMBLY, SEE DETAIL
3	FIRE MAIN ROUTED ABOVE CEILING
4	SIDEWALL HEADS REQUIRED
5	SIDEWALL HEADS, 200° TEMPERATURE AT BOTTOM OF ELEVATORS SHAFT.
6	6" FIRE LINE ENTRY. SEE ENTRY DETAIL. LINE MAY BE RESIZED UPON COMPLETION OF HYDRAULIC CALCULATIONS



Comm. No: 22046.00		
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Revisions		
No.	Date	Note

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Michael P. Landon, P.E. 00094
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FIRST FLOOR
AREA 100 FIRE
PROTECTION PLAN

FP1.1

FLD No. 102109

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AREA 200 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	UPRIGHT BRASS	4	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	100	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	UPRIGHT BRASS	6	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK300
WET	SIDEWALL HEAD	1	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK305
WET	CONCEALED PENDANT	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY, 100 GPM HOSE.

1
FP1.2

FIRST FLOOR AREA 200 FIRE PROTECTION PLAN

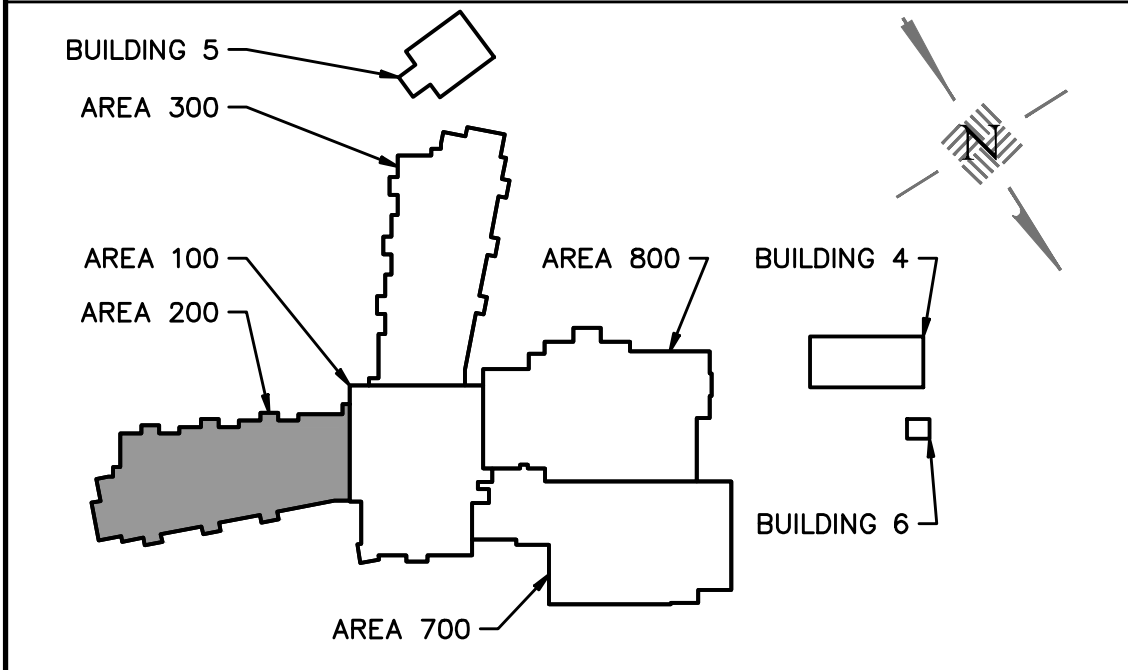
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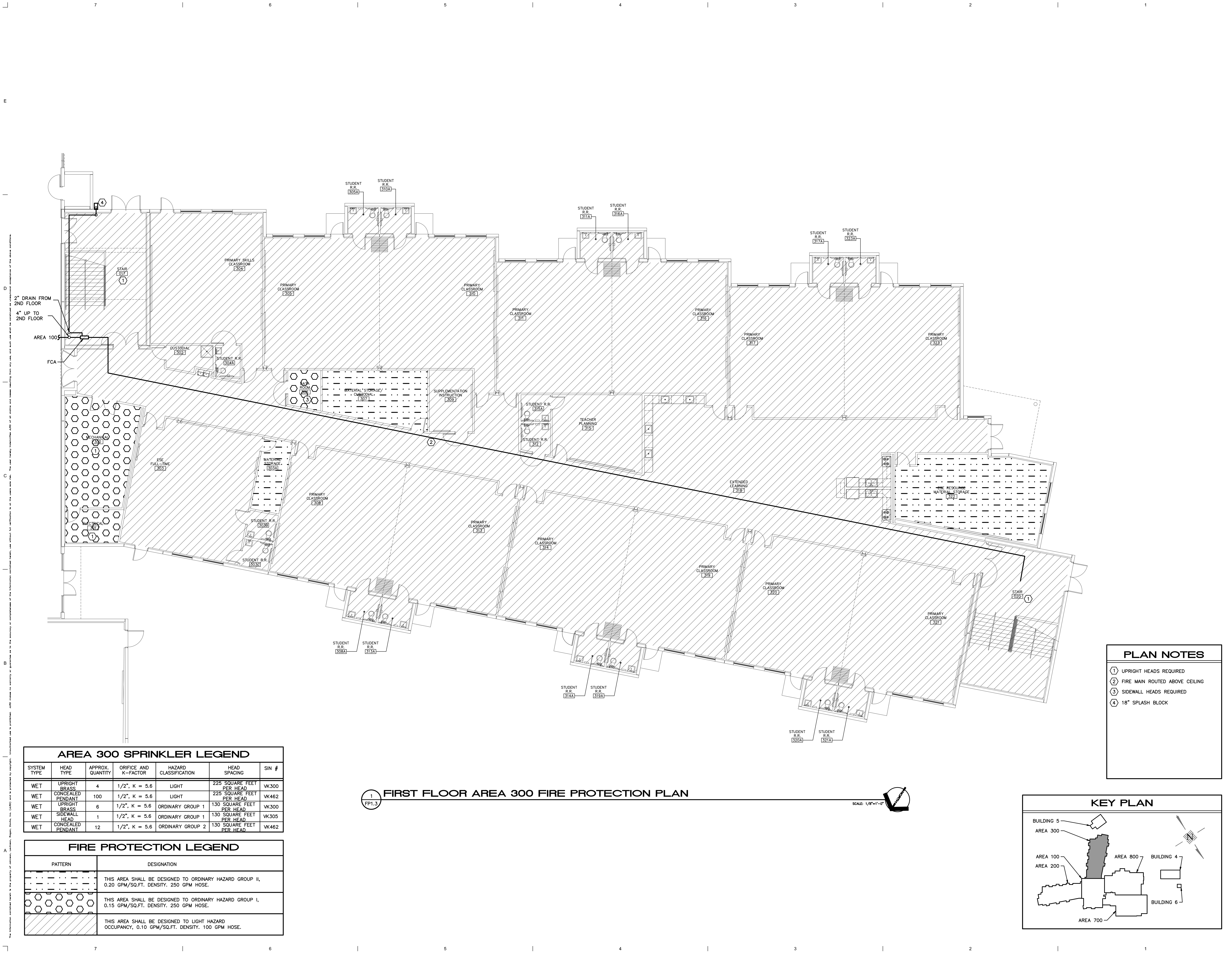


PLAN NOTES

- 1 UPRIGHT HEADS REQUIRED
- 2 FIRE MAIN ROUTED ABOVE CEILING
- 3 SIDEWALL HEADS REQUIRED
- 4 18" SPLASH BLOCK

KEY PLAN

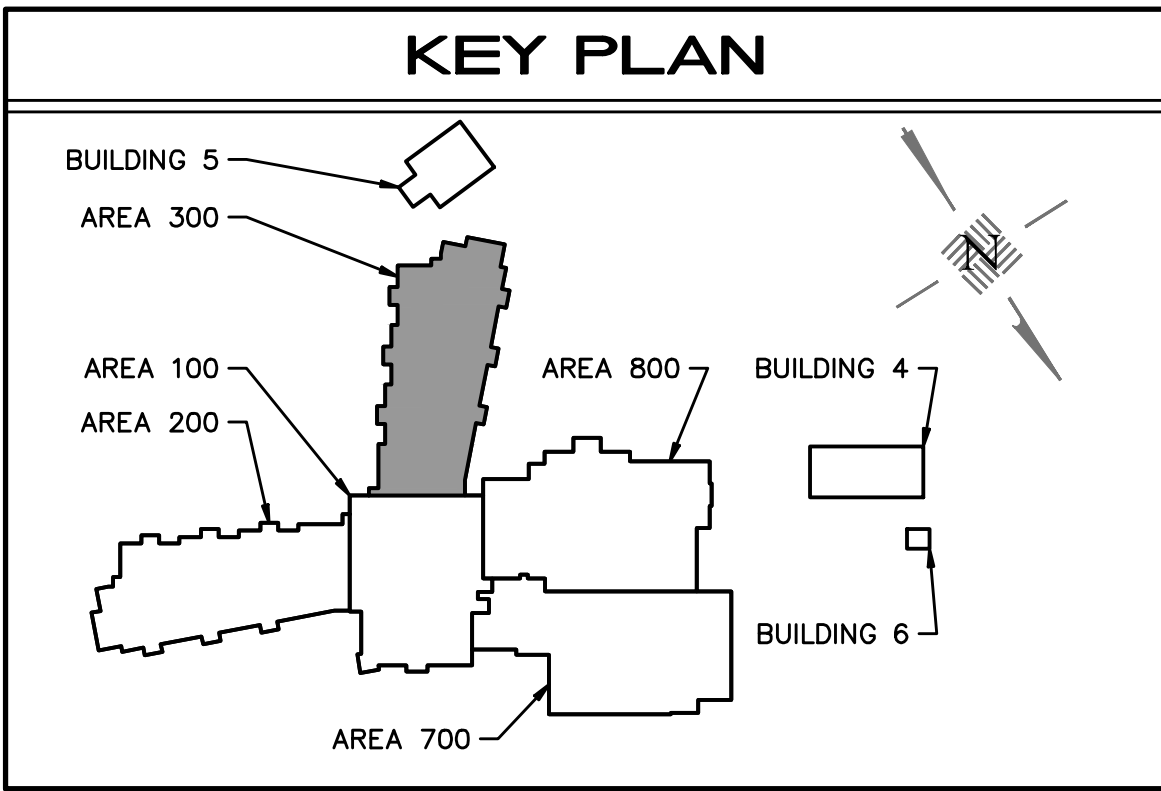




AREA 300 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	UPRIGHT BRASS	4	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	100	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	UPRIGHT BRASS	6	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK300
WET	SIDE WALL HEAD	1	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK305
WET	CONCEALED PENDANT	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY. 100 GPM HOSE.

PLAN NOTES	
1	UPRIGHT HEADS REQUIRED
2	FIRE MAIN ROUTED ABOVE CEILING
3	SIDEWALL HEADS REQUIRED
4	18" SPLASH BLOCK



HARVARD JOLLY ARCHITECTURE

J L D

JOHNSON, LEVINSON RAGAN, DAVILA, INC.

1455 Outrigger Boulevard, Suite 300
West Palm Beach, Florida 33411
(561) 689-2500 (561) 689-2500 Fax

K-8 SCHOOL "OO"

ST. JOHNS COUNTY SCHOOL DISTRICT - BID # 2022-50

1455 TWIN CREEKS DRIVE,
ST. AUGUSTINE, FLORIDA 32095

Comm. No: 22046.00

Date: 10-21-22

Drawn: BAR

Revisions

No.	Date	Note

James A. Corporation, P.E. 78888
Michael P. Jordan, P.E. 00094

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FIRST FLOOR
AREA 300 FIRE
PROTECTION PLAN

FP1.3

PLD No. 12109

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AREA 700 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	UPRIGHT BRASS	18	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	62	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	UPRIGHT BRASS	8	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	26	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK462
WET	CONCEALED PENDANT	16	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462
WET	UPRIGHT BRASS	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK300

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY, 100 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD, 0.10 GPM/SQ.FT. DENSITY, (DRY TYPE HEAD)

FIRST FLOOR AREA 700 FIRE PROTECTION PLAN

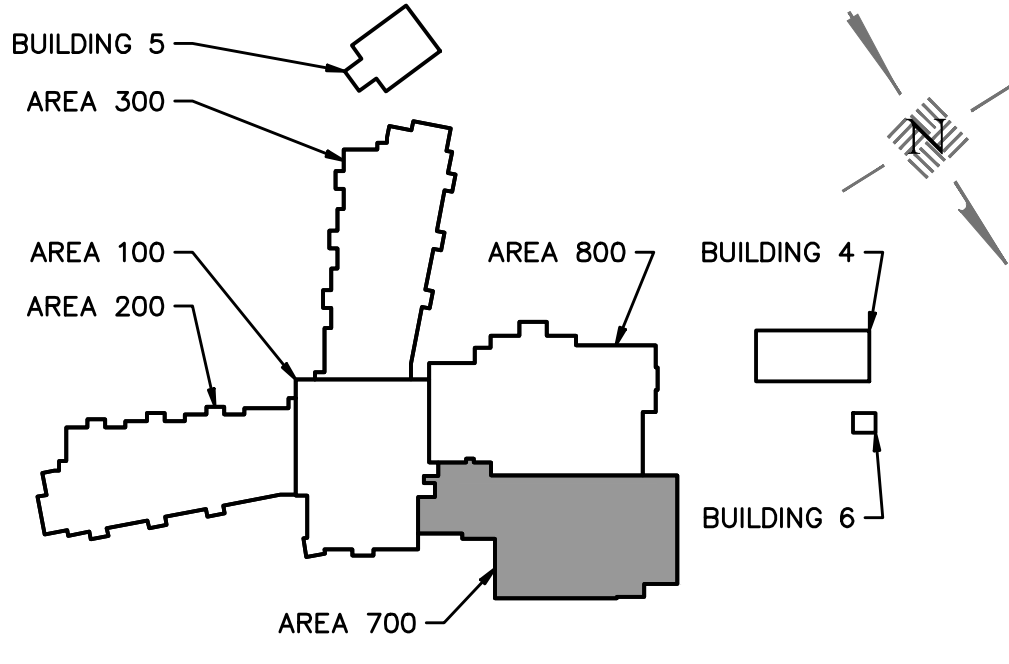
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PLAN NOTES

- UPRIGHT HEADS REQUIRED
- FIRE MAIN ROUTED ABOVE CEILING
- DRY TYPE HEAD REQUIRED FOR FREEZER/COOLER
- FIRE PROTECTION PIPING EXPOSED TO OUTSIDE ELEMENTS SHALL BE GALVANIZED, SPRINKLER HEADS SHALL BE TEFLON COATED HEADS.

KEY PLAN



K-8 SCHOOL "OO"
ST. JOHNS COUNTY SCHOOL DISTRICT - BID # 2022-50
1455 TWIN CREEKS DRIVE,
ST. AUGUSTINE, FLORIDA 32095

Comm. No: 22046.00

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No.	Date	Note

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FIRST FLOOR
AREA 700 FIRE
PROTECTION PLAN

FP1.4

JLD No. 102109

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ARCHITECTURE
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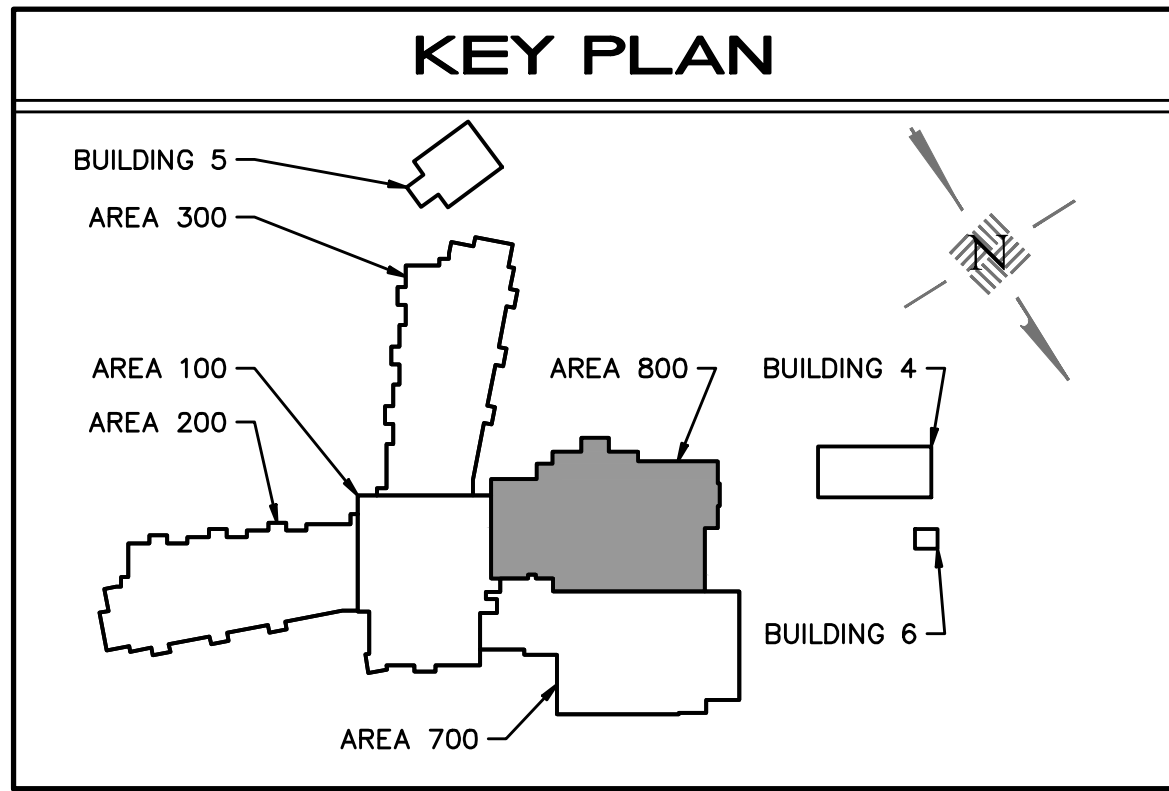
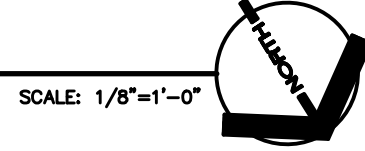
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West Palm Beach, Florida 33401
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AREA 800 SPRINKLER LEGEND					
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING
WET	UPRIGHT BRASS	8	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	64	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	SIDEWALL HEAD	1	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	UPRIGHT BRASS	6	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	SIDEWALL HEAD	1	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD
WET	UPRIGHT BRASS	50	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY. 100 GPM HOSE.

1 FIRST FLOOR AREA 800 FIRE PROTECTION PLAN



PLAN NOTES	
1	UPRIGHT HEADS REQUIRED WITH PROTECTED CAGES.
2	FIRE MAIN ROUTED ABOVE CEILING
3	SIDEWALL HEADS REQUIRED
4	FIRE PROTECTION PIPING EXPOSED TO OUTSIDE ELEMENTS SHALL BE GALVANIZED. SPRINKLER HEADS SHALL BE TEFLON COATED HEADS.
5	6" FIRE LINE ENTRY. SEE ENTRY DETAIL. LINE MAY BE RESIZED UPON COMPLETION OF HYDRAULIC CALCULATIONS.
6	FIRE PROTECTION PIPING IN THIS ROOM IS EXPOSED AND SHALL BE PAINTED RED. HEADS SHALL BE UPRIGHT WITH PROTECTED CAGES AROUND SPRINKLER HEADS

ST. AUGUSTINE, FLORIDA 32095

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AREA 500 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	CONCEALED PENDANT	38	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	SIDEWALL HEAD	1	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD	VK305
WET	CONCEALED PENDANT	6	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462

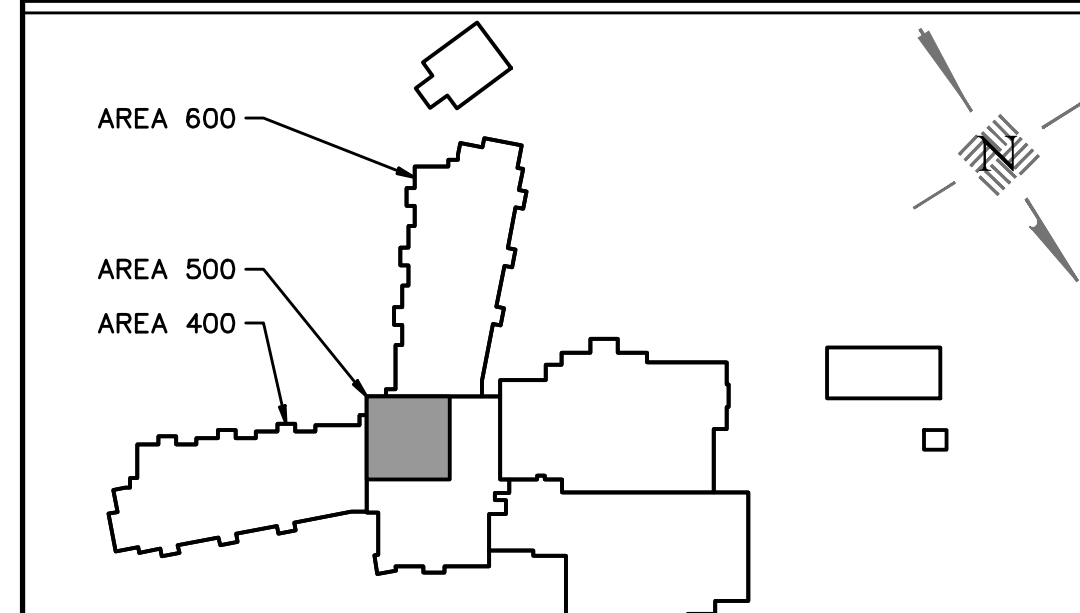
FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY. 100 GPM HOSE.

SECOND FLOOR AREA 500 FIRE PROTECTION PLAN

PLAN NOTES

- > FIRE MAIN ROUTED ABOVE CEILING
- > SIDEWALL HEADS REQUIRED

KEY PLAN



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AREA 600 SPRINKLER LEGEND					
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING
WET	UPRIGHT BRASS	6	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	100	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	UPRIGHT BRASS	8	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	SIDEWALL HEAD	2	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
[Pattern]	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
[Pattern]	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
[Pattern]	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY. 100 GPM HOSE.

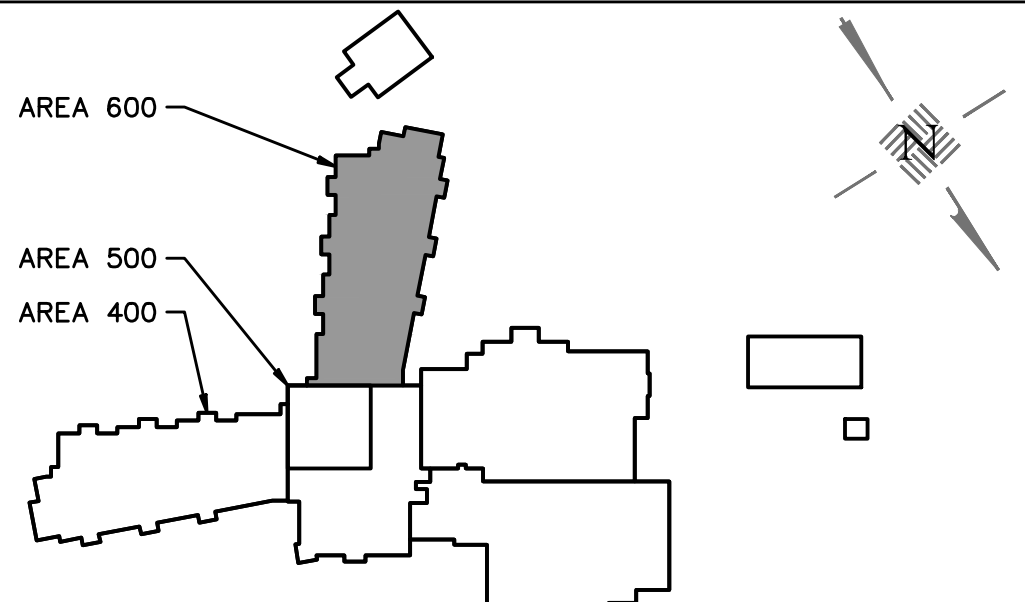
1 SECOND FLOOR AREA 600 FIRE PROTECTION PLAN

SCALE: 1/8"=1'-0"

PLAN NOTES

- 1 UPRIGHT HEADS REQUIRED
- 2 FIRE MAIN ROUTED ABOVE CEILING
- 3 SIDEWALL HEADS REQUIRED

KEY PLAN



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AREA 900 SPRINKLER LEGEND					
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING
WET	UPRIGHT BRASS	6	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	100	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD
WET	UPRIGHT BRASS	8	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	SIDEWALL HEAD	2	1/2", K = 5.6	ORDINARY GROUP 1	130 SQUARE FEET PER HEAD
WET	CONCEALED PENDANT	12	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY, 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY, 100 GPM HOSE.

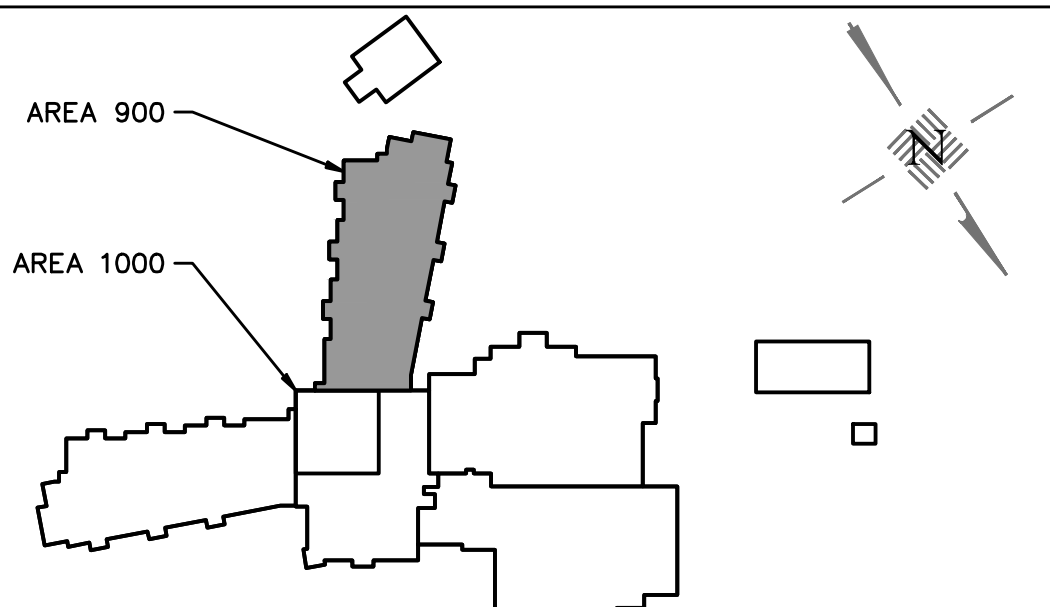
1 3rd FLOOR AREA 900 FIRE PROTECTION PLAN

SCALE: 1/8"=1'-0"

PLAN NOTES

- UPRIGHT HEADS REQUIRED
- FIRE MAIN ROUTED ABOVE CEILING
- SIDEWALL HEADS REQUIRED

KEY PLAN



Revisions		
No.	Date	Note

K-8 SCHOOL "OO"
ST. JOHNS COUNTY SCHOOL DISTRICT - BID # 2022-50
1455 TWIN CREEKS DRIVE,
ST. AUGUSTINE, FLORIDA 32095

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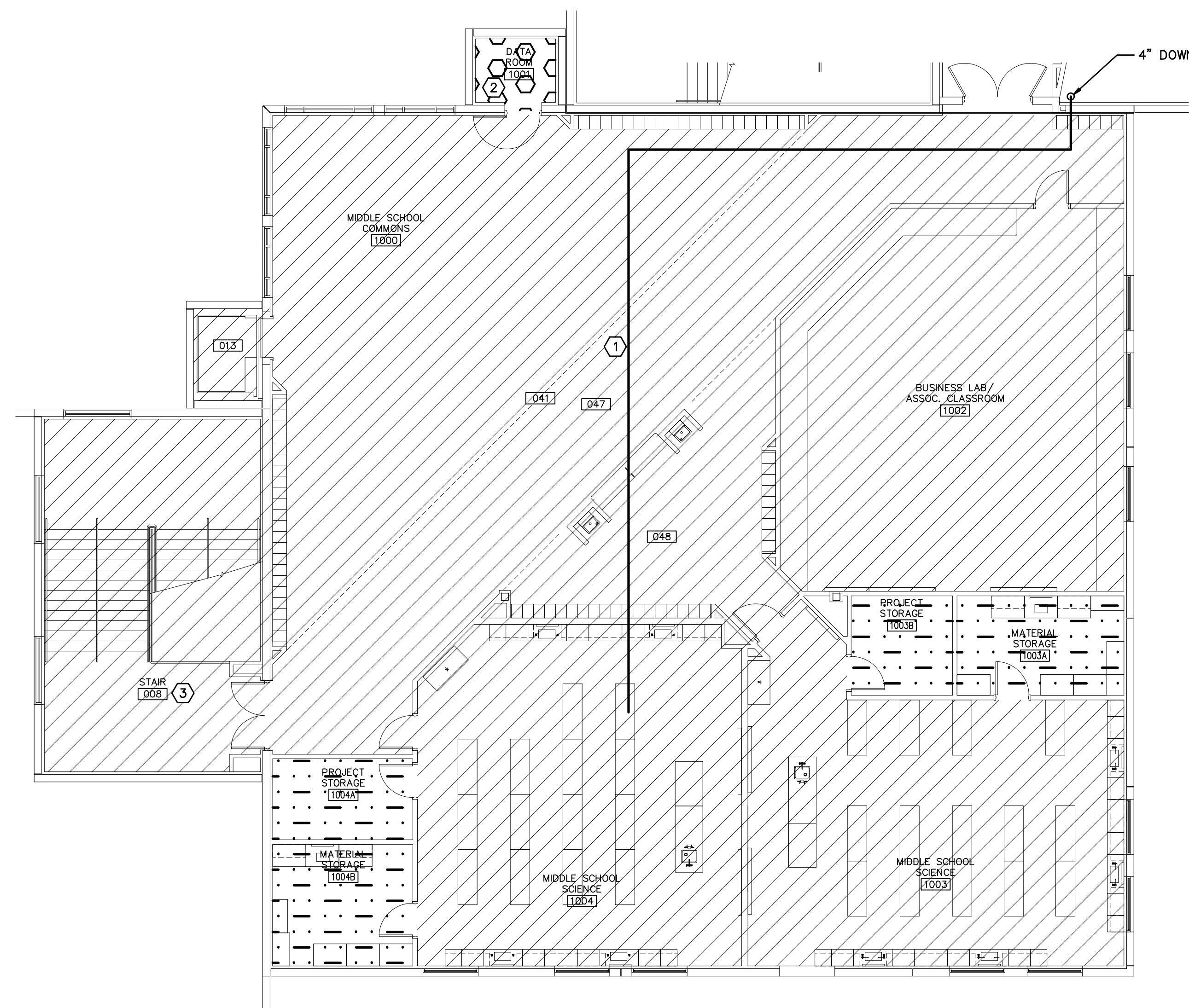
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Michael P. Linden, P.E. 580
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THIRD FLOOR
AREA 1000 FIRE
PROTECTION PLAN

FP3.2




JLRD No. 122108



1 3rd FLOOR AREA 1000 FIRE PROTECTION PLAN

SCALE: 1/8"=1'-0"

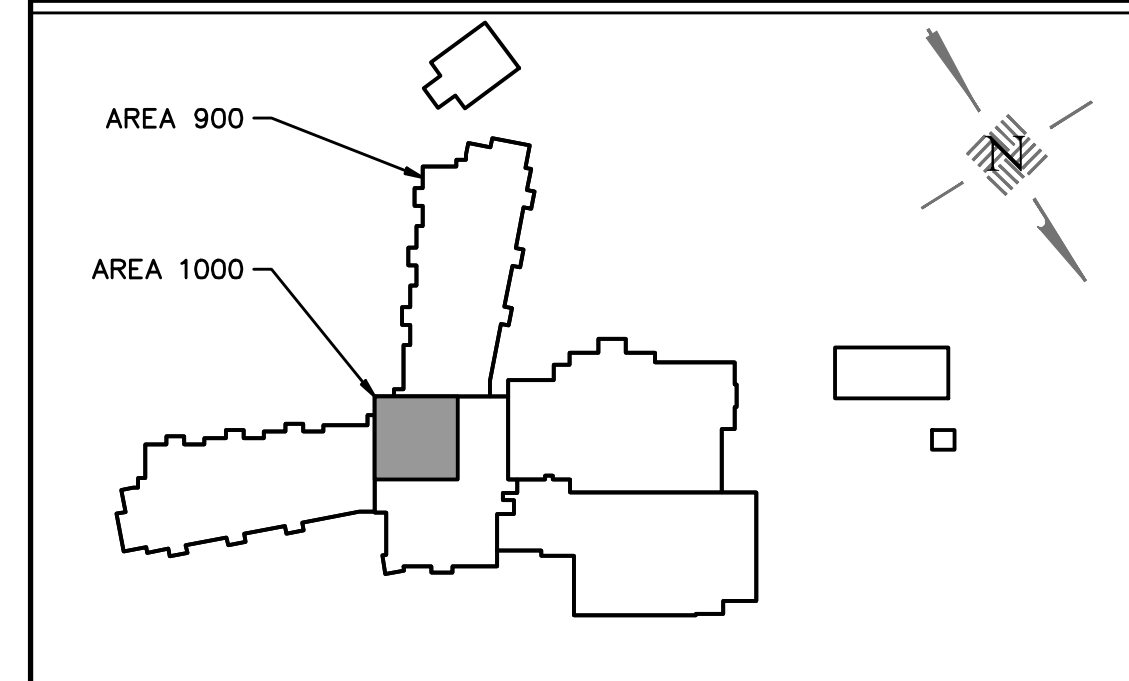
AREA 1000 SPRINKLER LEGEND						
SYSTEM TYPE	HEAD TYPE	APPROX. QUANTITY	ORIFICE AND K-FACTOR	HAZARD CLASSIFICATION	HEAD SPACING	SIN #
WET	UPRIGHT BRASS	2	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK300
WET	CONCEALED PENDANT	34	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK462
WET	SIDEWALL HEAD	2	1/2", K = 5.6	LIGHT	225 SQUARE FEET PER HEAD	VK305
WET	SIDEWALL HEAD	2	1/2", K = 5.6	ORDINARY GROUP 1	225 SQUARE FEET PER HEAD	VK305
WET	CONCEALED PENDANT	5	1/2", K = 5.6	ORDINARY GROUP 2	130 SQUARE FEET PER HEAD	VK462

FIRE PROTECTION LEGEND	
PATTERN	DESIGNATION
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP II, 0.20 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO ORDINARY HAZARD GROUP I, 0.15 GPM/SQ.FT. DENSITY. 250 GPM HOSE.
	THIS AREA SHALL BE DESIGNED TO LIGHT HAZARD OCCUPANCY, 0.10 GPM/SQ.FT. DENSITY. 100 GPM HOSE.

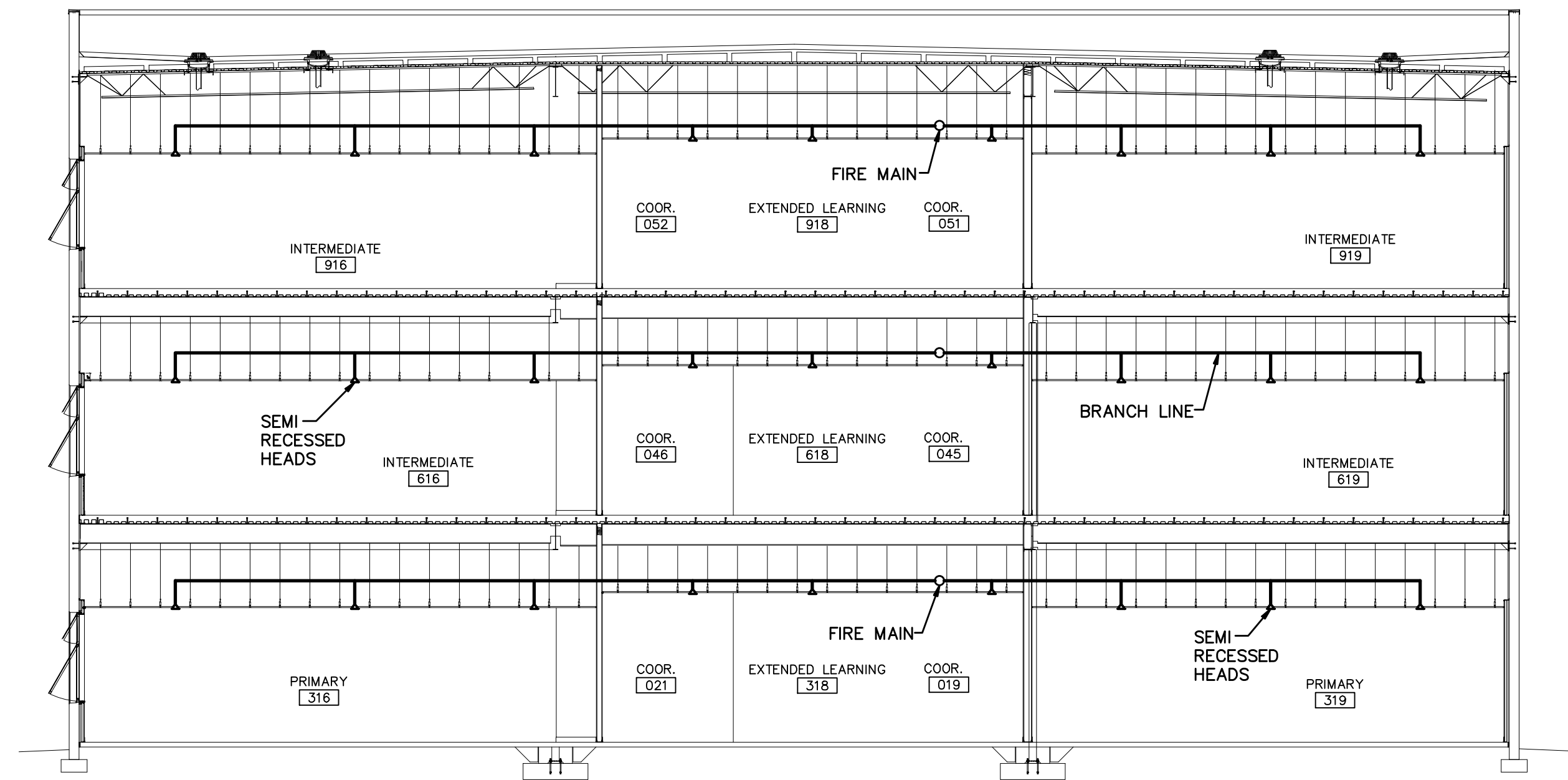
PLAN NOTES

- ① FIRE MAIN ROUTED ABOVE CEILING
- ② SIDEWALL REQUIRED IN THIS AREA.
- ③ UPRIGHT HEADS REQUIRED IN THIS AREA.

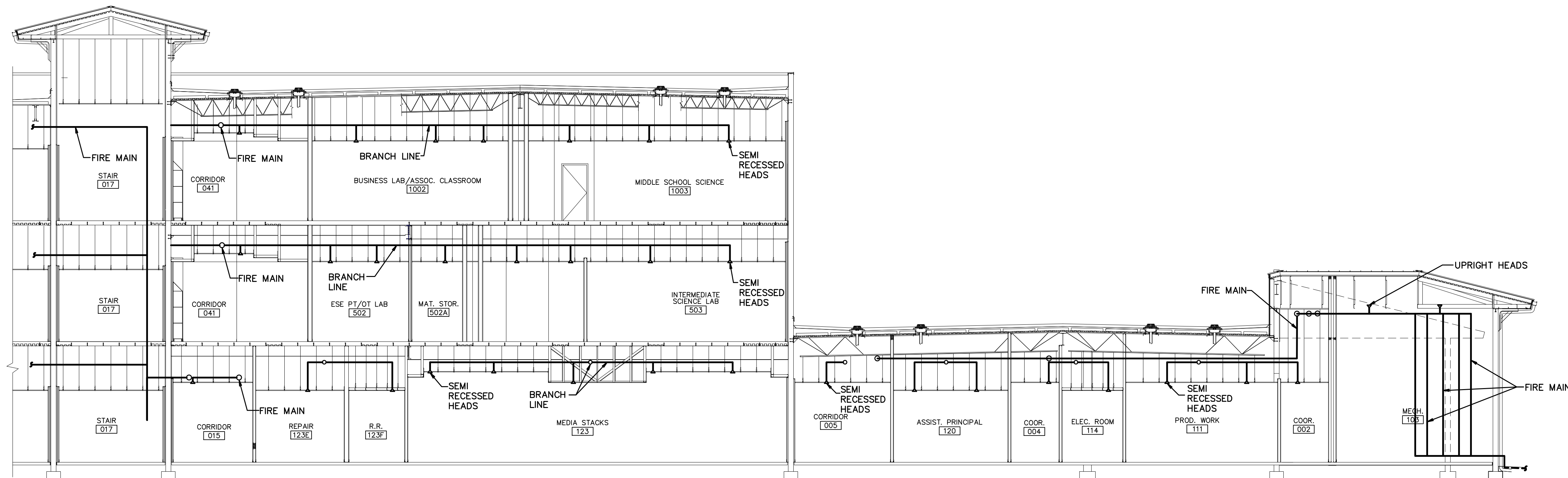
KEY PLAN



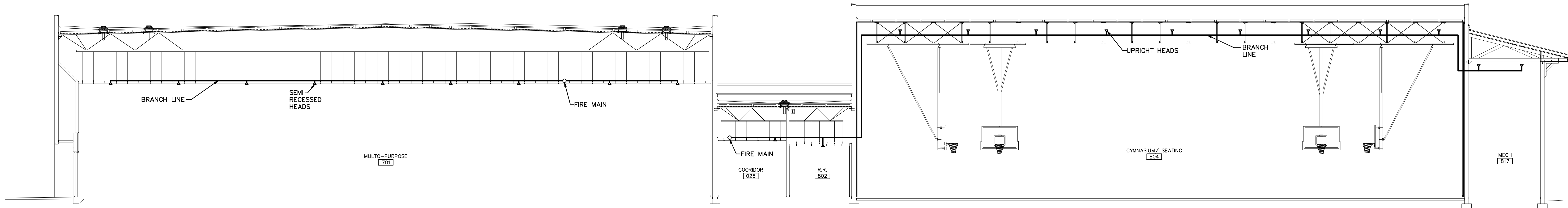
7 | 6 | 5 | 4 | 3 | 2 | 1



1 CLASSROOM WING FIRE PROTECTION SECTION
SCALE: 1/8"=1'-0"



2 AREA 100 FIRE PROTECTION SECTION
SCALE: 1/8"=1'-0"



3 AREA 700 AND 800 FIRE PROTECTION SECTION
SCALE: 1/8"=1'-0"

Comm. No: 22046.00		
Date: 10-21-22		
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Revisions		
No.	Date	Note

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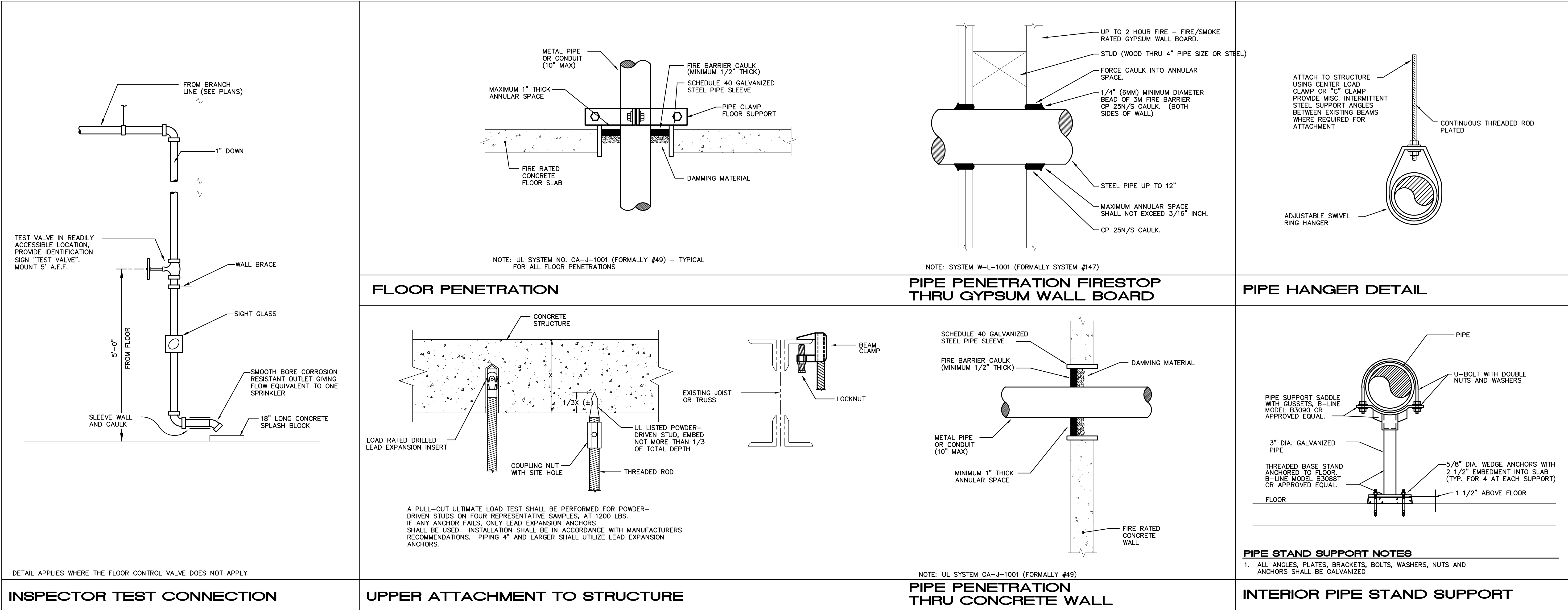
FIRE PROTECTION
SECTION

FP4.1

ALD No. 121109

7 | 6 | 5 | 4 | 3 | 2 | 1

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Comm. No: 22046.00		
Date: 10-21-22		
Drawn: BAR		
Revisions		
No.	Date	Note

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES.

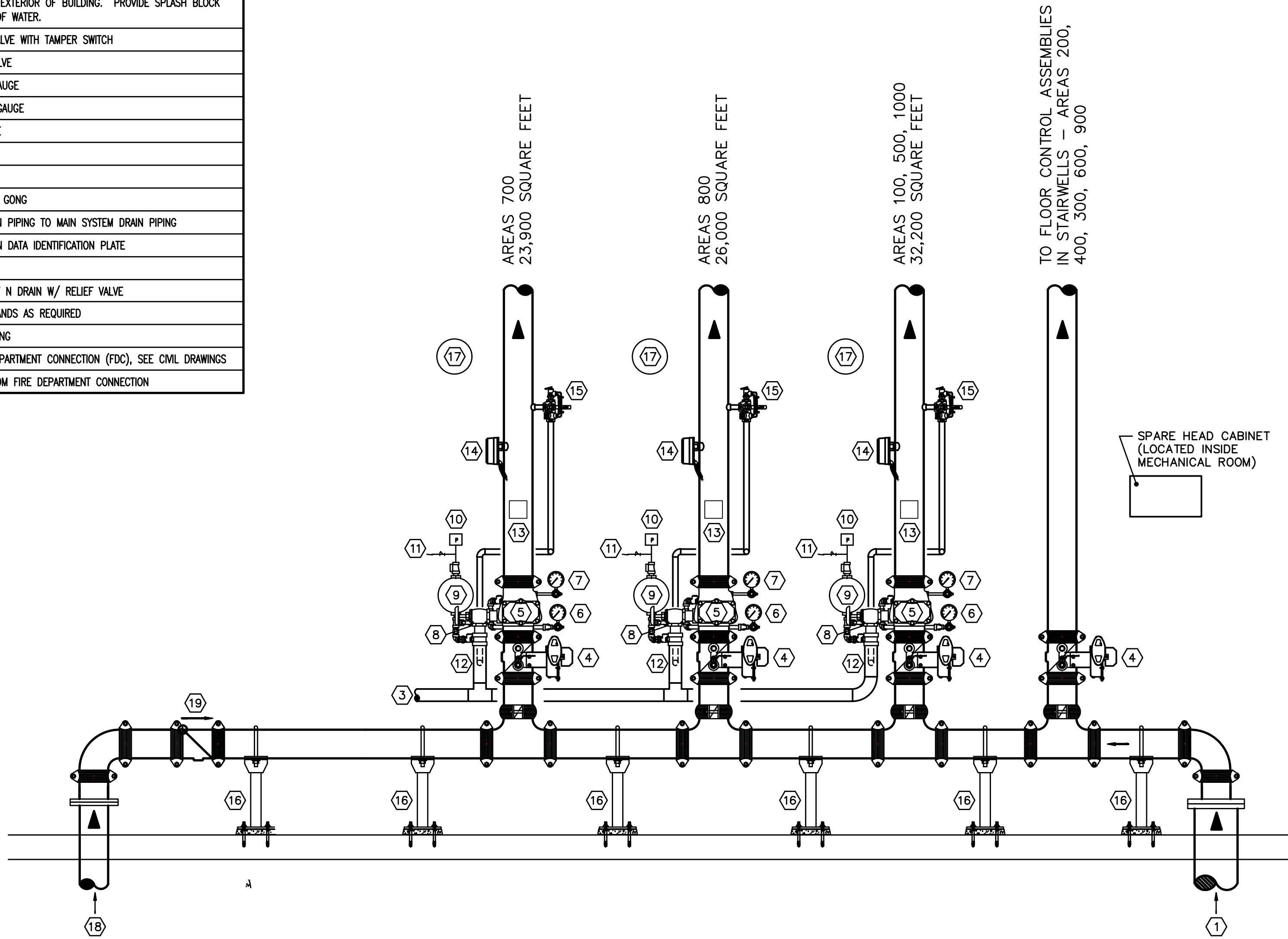
James A. Corporation, P.E. 78588
Michael P. Landon, P.E. 00094
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FIRE PROTECTION
DETAILS

FP5.1

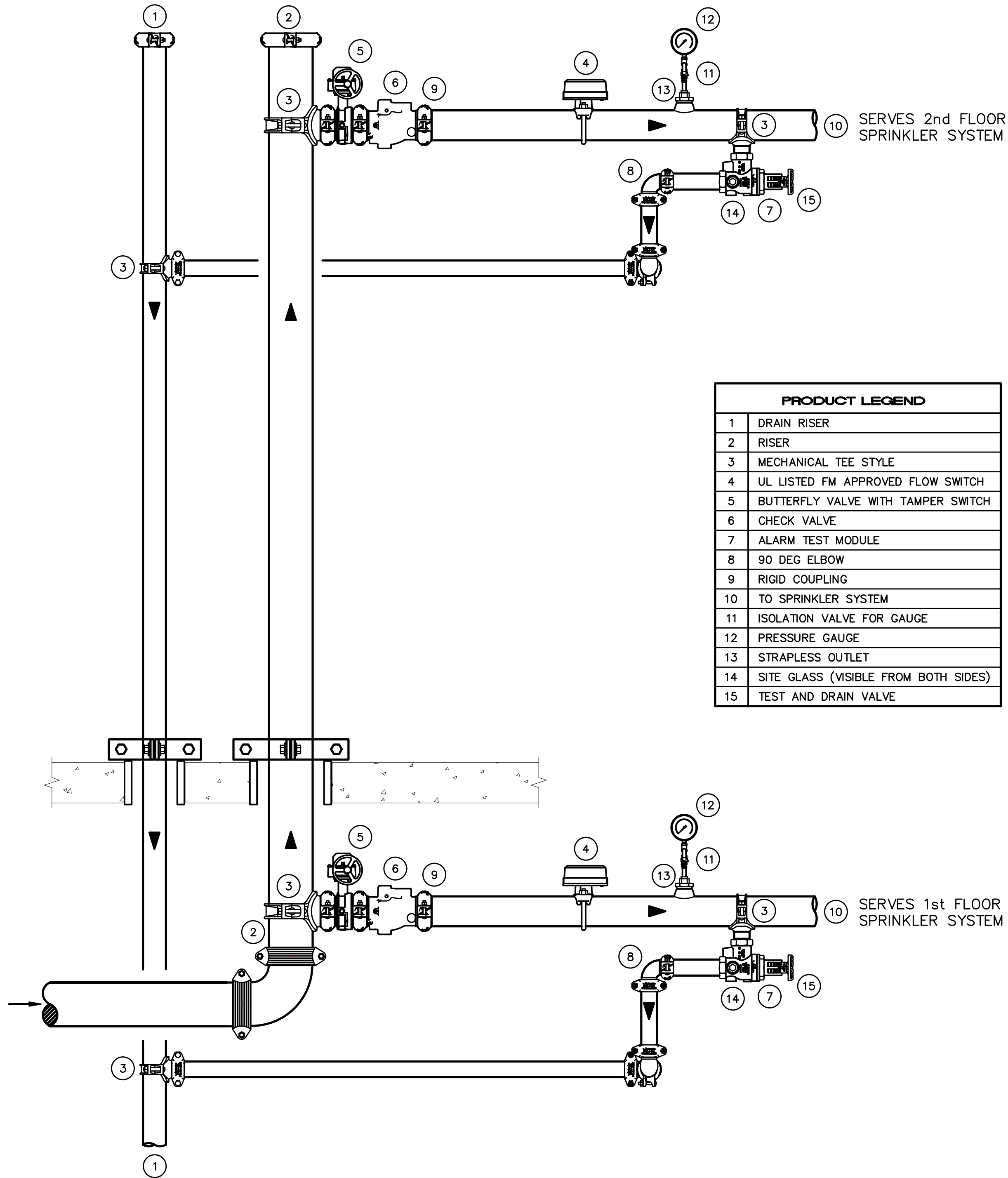
JLRD No. 120109

KEY LEGEND	
1	6" SUPPLY FROM CITY MAIN
2	
3	DRAIN PIPING TO EXTERIOR OF BUILDING. PROVIDE SPLASH BLOCK FOR DISCHARGE OF WATER.
4	MAIN CONTROL VALVE WITH TAMPER SWITCH
5	ALARM CHECK VALVE
6	WATER SUPPLY GAUGE
7	SYSTEM SUPPLY GAUGE
8	MAIN DRAIN VALVE
9	RETARD CHAMBER
10	ALARM SWITCH
11	TO WATER MOTOR GONG
12	TIE IN TEST/DRAIN PIPING TO MAIN SYSTEM DRAIN PIPING
13	HYDRAULIC DESIGN DATA IDENTIFICATION PLATE
14	FLOW SWITCH
15	INSPECTOR'S TEST N DRAIN W/ RELIEF VALVE
16	PROVIDE PIPE STANDS AS REQUIRED
17	WATER MOTOR GONG
18	4" FROM FIRE DEPARTMENT CONNECTION (FDC), SEE CIVIL DRAWINGS
19	CHECK VALVE FROM FIRE DEPARTMENT CONNECTION



ACTUAL RISER ARRANGEMENT AND CONFIGURATION TO BE DETERMINED BY THE SPRINKLER CONTRACTOR.

SPRINKLER RISER-WET PIPE MECHANICAL ROOM 817- AREA 800



FLOOR CONTROL VALVE DETAIL

Revisions		
No.	Date	Note

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THE MINIMUM BUILDING CODES.

