

FIRE  
SPRINKLERS

ENGINEERING  
DESIGNING  
FABRICATION  
INSTALLATION  
INSPECTION  
BFP TESTING

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KINGDOM CULTURE ACADEMY  
- RENOVATION

359 SW DYAL AVE LAKE CITY, FL 32024

FIRE SPRINKLER PLAN - FLOOR PLAN AND SECTION

PROJECT NAME:

SEAL:

REVISION:

DATE: 04-09-2024

DESIGNED BY: DESIGNER

DRAWN BY: DESIGNER

SCALE: AS NOTED

JOB No: NA

SHEET OF: 2 OF 2

SHEET No: FP - 2

Design Area No. 1 - LH  
Density 0.10 Area Aactual: 960 s.f.  
Flow 297.6 gpm @ 86.3 psi  
Includes 100 gpm Hose allowance

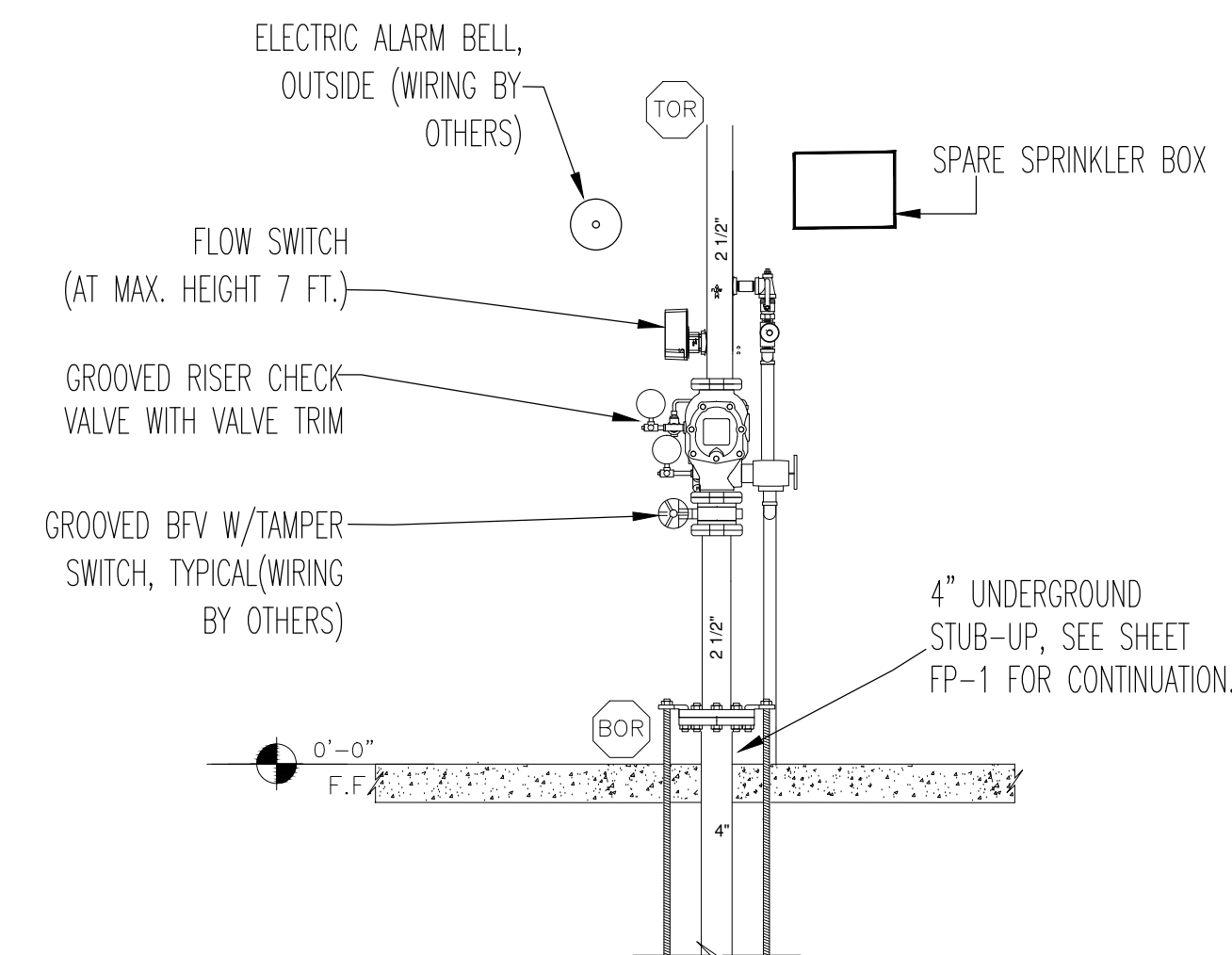
SMALL ROOM RULE -  
NFPA 13, 2016. -  
FIGURE A.8.6.3.2.4(b)  
Small Room Provision  
- Two Sprinklers  
Centered

HYDRAULIC CALCULATION  
DESIGN AREA WAS  
REDUCED PER NFPA 13,  
2016. -  
FIGURE 11.2.3.23.1  
Design area reduction  
for QR sprinklers for  
9'-0" ceiling height

WALL LEGEND

- NEW INTERIOR WALL
- EXISTING INTERIOR WALL
- EXISTING STEEL WALL
- STEEL COLUMN

SMALL ROOM RULE -  
NFPA 13, 2016.  
FIGURE A.8.6.3.2.4(a)  
Small Room Provision  
- One Sprinkler.



WET PIPE SYSTEM RISER DETAIL

SCALE: N.T.S.

Sprinkler Head Schedule				
Symbol	Count	Thread	K-Factor	Description
⊗	56	1/2"	5.6	VK302 1/2 QR 155 CE PDR
				Note ON FLEXIBLE CONNECT ION
56 = Total Number of Heads this floor				

FIRE SPRINKLER PLAN - FLOOR PLAN

SCALE: 3/16" = 1'-0"

NOTE:  
IT IS OWNER'S RESPONSIBILITY TO PROTECT  
THE RISER FROM FREEZING AND MAINTAIN  
THE TEMPERATURE OF THE ROOM (IF ANY  
BUILT AROUND THE RISER) OVER 40 DEG.  
FAHRENHEIT. THE FIRE DEPARTMENT  
CONNECTION IS  
LOCATED AT OUTSIDE AT BFP. SEE SHEET  
FP-1 FOR THE EXACT LOCATION.