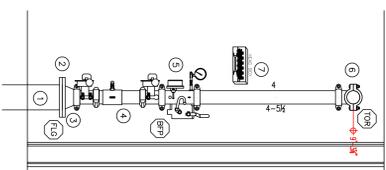


**3 NORTH STAIR STANDPIPE SECTION**  
SCALE: 1/8" = 1'

**5 FIRE SPRINKLER SITE PLAN**  
SCALE: 1" = 100'

**7 TYPICAL HOSE VALVE DETAIL**  
SCALE: 1/2" = 1'

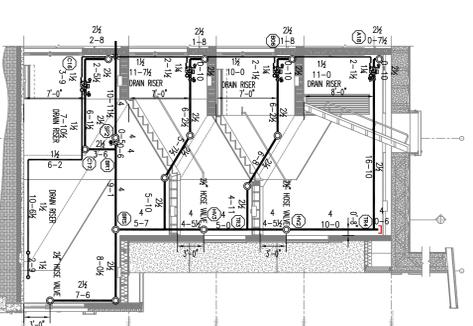


**2 MAIN FIRE SYSTEM RISER**  
SCALE: 1/2" = 1'

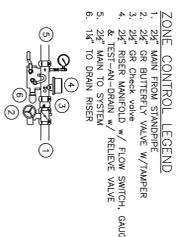
Design Area #7 HAZARDOUS  
Zone Main level System Type: Wet  
Location: Food Prep 119  
Flowing Orifice: 2  
Density: 0.10  
New 183.84 gpm @ 64.263 psi  
Old 183.84 gpm @ 64.263 psi  
Calculation Safety: 17.714 psi  
Includes: 250 gpm hose distance

Design Area #9 HAZARDOUS LIGHT  
Zone Main level System Type: Wet  
Location: Food Prep 134  
Flowing Orifice: 9  
Density: 0.10  
New 183.84 gpm @ 64.263 psi  
Old 183.84 gpm @ 64.263 psi  
Calculation Safety: 17.714 psi  
Includes: 250 gpm hose distance

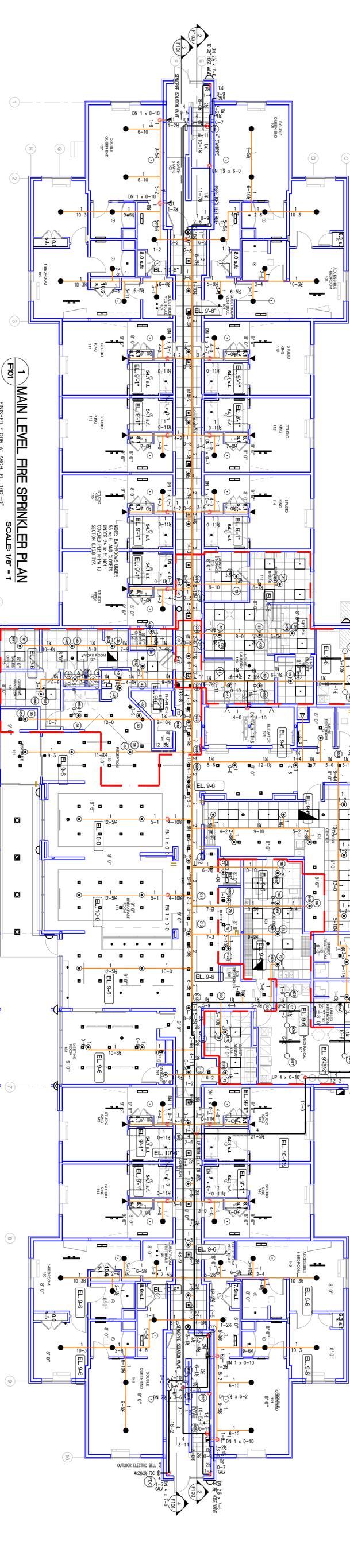
Design Area #10 HAZARDOUS LIGHT  
Zone Main level System Type: Wet  
Location: Food Prep 134  
Flowing Orifice: 14  
Density: 0.15  
New 287.14 gpm @ 54.113 psi  
Old 287.14 gpm @ 54.113 psi  
Calculation Safety: 18.167 psi  
Includes: 250 gpm hose distance



**4 SOUTH STAIR STANDPIPE SECTION**  
SCALE: 1/8" = 1'



**6 TYPICAL ZONE CONTROL DETAIL**  
SCALE: 1/2" = 1'



**1 MAIN LEVEL FIRE SPRINKLER PLAN**  
SCALE: 1/8" = 1'

MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)

NOMINAL PIPE SIZE (IN.)	3"	2 1/2"	2"	1 1/2"	1"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12'-0"	12'-0"	15'-0"	15'-0"
THREADED LIGHTWALL STEEL PIPE	NA	12'-0"	12'-0"	12'-0"	12'-0"
COPPER TUBE	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
FLUEMASTER CPVC	3'-0"	6'-0"	6'-0"	6'-0"	6'-0"

NFPA 13 HANGER SPACING

NOMINAL PIPE SIZE (IN.)	3"	2 1/2"	2"	1 1/2"	1"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12'-0"	12'-0"	15'-0"	15'-0"
THREADED LIGHTWALL STEEL PIPE	NA	12'-0"	12'-0"	12'-0"	12'-0"
COPPER TUBE	8'-0"	8'-0"	8'-0"	8'-0"	8'-0"
FLUEMASTER CPVC	3'-0"	6'-0"	6'-0"	6'-0"	6'-0"

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
(A-1)	MAIN PIPE NUMBER
(B)	BRANCH VALVE
(C)	TEST-ABLE DRAIN
(D)	RELEASE VALVE
(E)	FLOW SWITCH
(F)	TEST-ABLE DRAIN
(G)	TEST-ABLE DRAIN
(H)	TEST-ABLE DRAIN
(I)	TEST-ABLE DRAIN
(J)	TEST-ABLE DRAIN
(K)	TEST-ABLE DRAIN
(L)	TEST-ABLE DRAIN
(M)	TEST-ABLE DRAIN
(N)	TEST-ABLE DRAIN
(O)	TEST-ABLE DRAIN
(P)	TEST-ABLE DRAIN
(Q)	TEST-ABLE DRAIN
(R)	TEST-ABLE DRAIN
(S)	TEST-ABLE DRAIN
(T)	TEST-ABLE DRAIN
(U)	TEST-ABLE DRAIN
(V)	TEST-ABLE DRAIN
(W)	TEST-ABLE DRAIN
(X)	TEST-ABLE DRAIN
(Y)	TEST-ABLE DRAIN
(Z)	TEST-ABLE DRAIN

GENERAL NOTES

- INTERNATIONAL BUILDING CODE (2015)
- OCCUPANCY: RESIDENTIAL (R-1) ASSEMBLY (A-2)
- TYPE OF CONSTRUCTION: A-A (FIR RATED PROTECTED, COMBUSTIBLE CONSTRUCTION)
- MAIN LEVEL AND 1ST FLOOR (SEE ARCHITECTURAL PLANS FOR ACTUAL) 2ND-FTH LEVEL = 14,106 SF
- INSTALLATION STANDARDS: SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2013)
- SPRINKLER PER TYPES:
  - 1.5" THRUOUT LINE TO BE BR424MASTER CPVC PIPING WITH GENICATED FITTINGS
  - 2.2" THRUOUT LINE TO BE BR424MASTER CPVC PIPING WITH GENICATED FITTINGS
  - 2.5" BRANCH LINES TO BE BR424MASTER CPVC PIPING WITH GENICATED FITTINGS
  - 2.5" THRUOUT LINE TO BE BR424MASTER CPVC PIPING WITH GENICATED FITTINGS
  - 2.5" BRANCH LINES TO BE BR424MASTER CPVC PIPING WITH GENICATED FITTINGS
- STANDARD HAZARD HEADS DESIGNED TO DELIVER 0.10 GPM/SF OVER THE MOST DEMANDING 1500 SF
- STANDARD HAZARD HEADS DESIGNED TO DELIVER 0.15 GPM/SF OVER THE MOST DEMANDING 1500 SF
- DESIGNER FOR ADJUSTED SPRINKLERS THAT PROVIDE THE GREATEST HYDRAULIC DEMAND WITH MINIMAL REQUIRED DISCHARGE THAT IS THE GREATER OF THE LISTED MINIMUM FLOW RATE OR 0.10 GPM OVER THE RATED AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 11.2.2.3
- NOTES:
  - ALL MATERIAL TO BE NEW AND MET UL STANDARDS
  - ALL HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2013) - SEE PLAN FOR HANGING REQUIREMENTS
  - SYMBOLS USED ON DRAWINGS:
    - PEE ELEVATION A/F/F
    - PIPE ELEVATION BELOW B.O.D
    - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
    - EL: 10'-0" HYDRAULIC CALCULATION JUNCTION POINT
    - EL: 1'-0" CEILING HEIGHT
    - ROOM OF WORK: ALL BE INSTALLED A NEW FIRE SPRINKLER SYSTEM TO COVER THE ENTIRE NEW LOGAN RIVERWALK MARRIOTT TOWNPLACE
    - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2013)

ZONE CONTROL LEGEND

- 2 1/2" MAIN FIRE SPRINKLER
- 2 1/2" BR BUTTERFLY VALVE W/TAMPER
- 2 1/2" BR CHECK VALVE
- 2 1/2" BR FLOW SWITCH
- 2 1/2" BR TEST-ABLE DRAIN w/ RELEASE VALVE
- 2 1/2" MAIN FIRE RISER
- 1 1/2" BR TEST-ABLE DRAIN
- 1 1/2" BR FLOW SWITCH

SHEET CONTENTS

MAIN LEVEL FIRE SPRINKLER PLANS, NOTES AND DETAILS

F101

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DRIVEN  
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