

MEP: **Kenneth A. Hipsky, P.E., LEED AP**
243 Godfrey Road
Mystic, CT 06355
(860)-310-9827

[illegible]

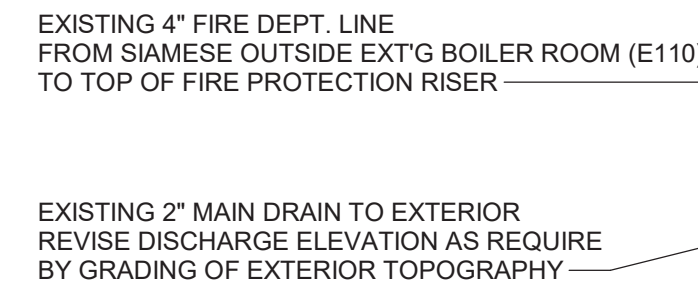
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DESIGNED BY: GFL	DRAWN BY: GFL	CHECKED BY:	REVIEWED BY: G
PROJECT No: CARM1902	DATE: 3/22/2021	SCALE: AS SHOWN	

**CARMEL FIRE
DEPARTMENT INC.**

CONTRACT G
GENERAL CONSTRUCTION

FIRE PROTECTION DEMOLITION PLANS

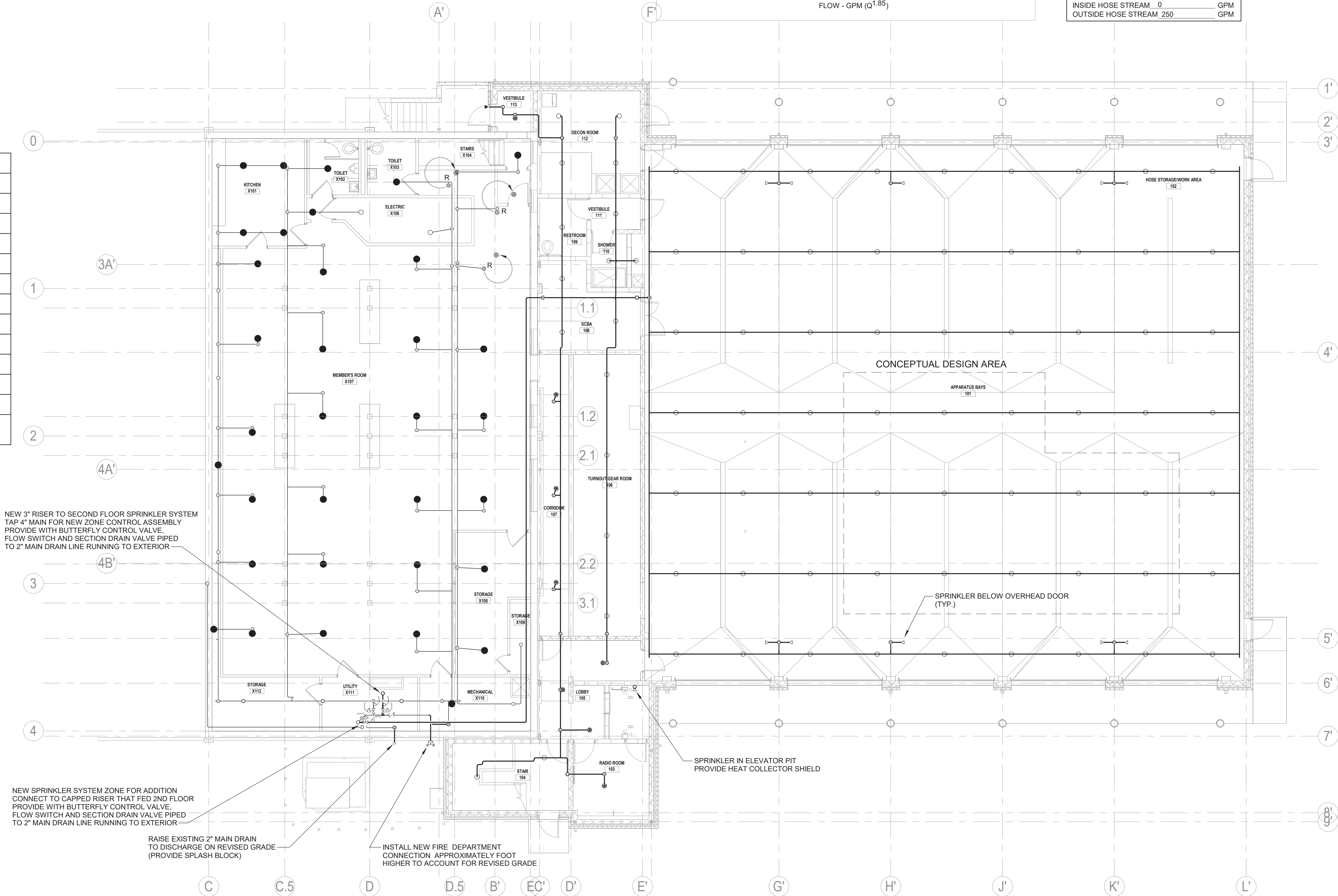
FPD 101



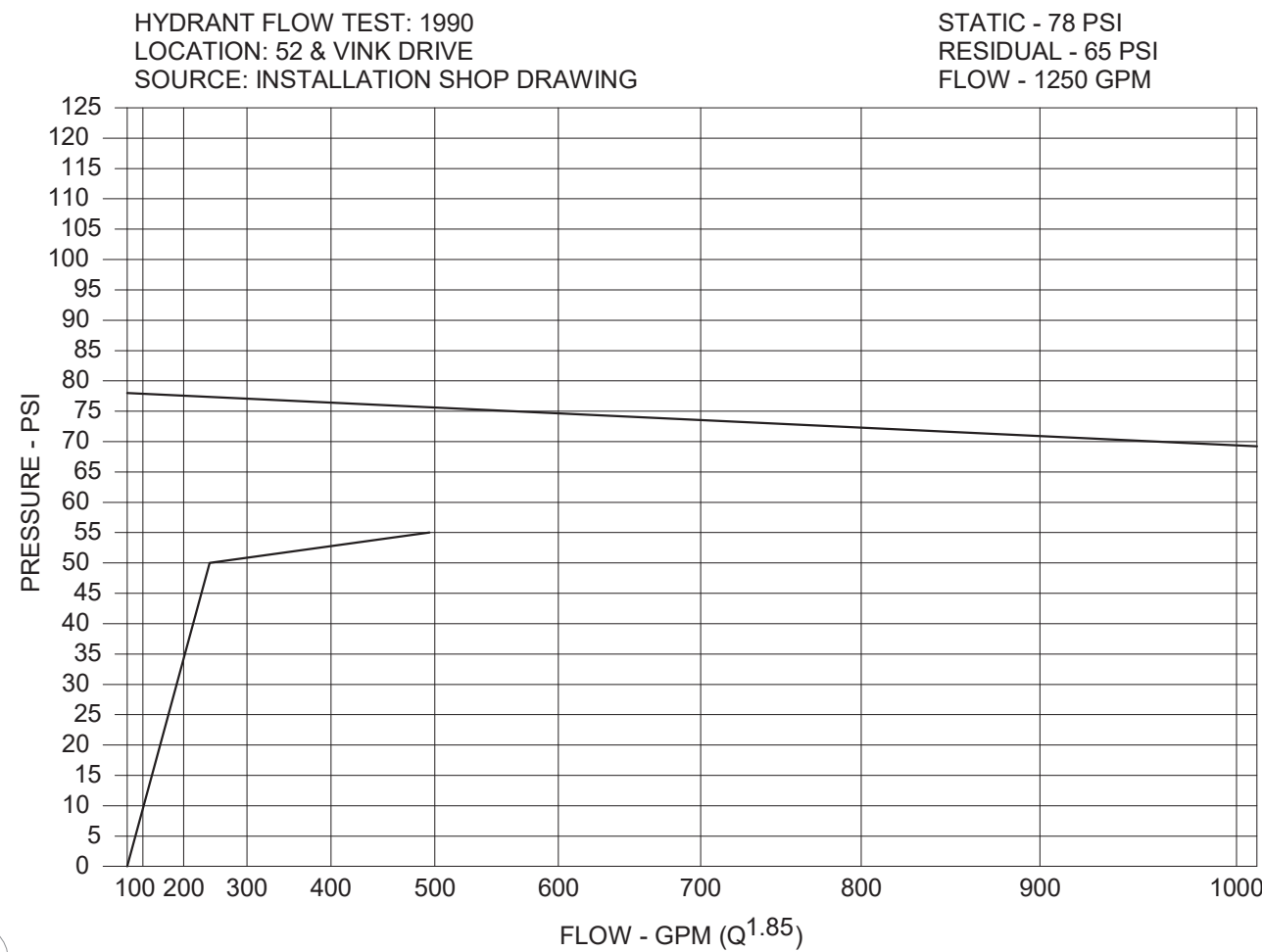
	EXISTING SPRINKLER PIPING WITH SIZE AND LENGTH
	OS&Y GATE VALVE W/ TAMPER SWITCH
	DOUBLE CHECK VALVE BACKFLOW PREVENTER
	ALARM CHECK VALVE
	CHECK VALVE
	PROJECTING TYPE FIRE DEPARTMENT CONNECTION
	BUTTERFLY VALVE W/ TAMPER SWITCH
	FLOW SWITCH
	INSPECTOR'S TEST VALVE
	FIRE DEPT. TRUCK FILL HOSE VALVE
	EXISTING PENDENT SPRINKLER
	EXISTING UPRIGHT SPRINKLER
	REMOVE EXISTING PENDENT SPRINKLER
	REMOVE EXISTING SPRINKLER PIPING

FIRE PROTECTION LEGEND

	FIRE PROTECTION PIPING (PROPOSED)
	EXISTING SPRINKLER SYSTEM PIPING
	PROJECTING TYPE FIRE DEPARTMENT CONNECTION
	CHECK VALVE
	BUTTERFLY VALVE W/ TAMPER SWITCH
	FLOW SWITCH
	EXISTING PENDENT SPRINKLER
	EXISTING UPRIGHT SPRINKLER
	RECESSED PENDENT SPRINKLER HEAD
	CONCEALED PENDENT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	HORIZONTAL SIDEWALL SPRINKLER HEAD
	DRY HORIZONTAL SIDEWALL SPRINKLER HEAD
	RELOCATE EXISTING SPRINKLER HEAD DROP WITH A PIPE ARMOVER

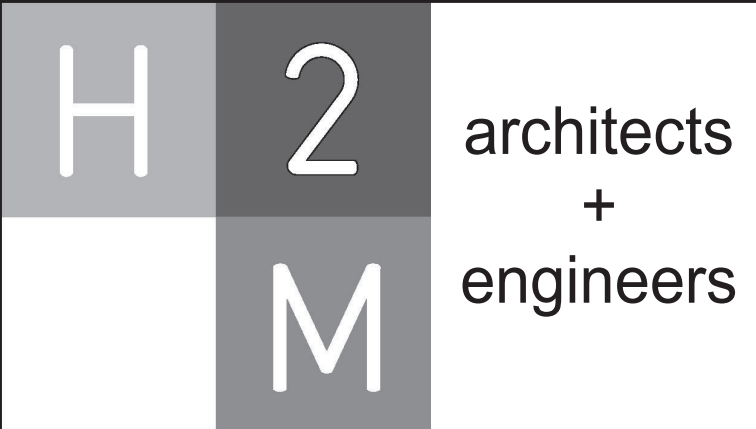


1 FIRST FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"



PRELIMINARY DESIGN

WET-PIPE HYDRAULIC DESIGN DATA	
A.H.J. CARMEL FIRE DEPARTMENT	
DESIGN STD. NFPA 13 - 2016	
PIPE TYPES	
MAINS 2 1/2" & LARGER SCH. 10, BLACK	
BRANCHES 1"-2" SCHEDULE 40, BLACK	
SPRINKLER TYPE	QR ORIFICE (K=) 5.6
AREA LOCATION APPARATUS BAY	
# OF FLOWING SPRINKLERS	13
DENSITY	0.15 GPM/SQFT
REMOTE AREA	1560 SQFT (PER 11.2.3.2)
DEMAND @ BASE OF RISER	
FLOW	245 GPM
PRESSURE	50 PSI
INSIDE HOSE STREAM	0 GPM
OUTSIDE HOSE STREAM	250 GPM



3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

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CARMEL FIRE DEPARTMENT INC.

ADDITION/RENOVATION

94 GLENEIDA AVE,
CARMEL HAMLET NY, 10512

CONTRACT

CONTRACT G GENERAL CONSTRUCTION

STATUS

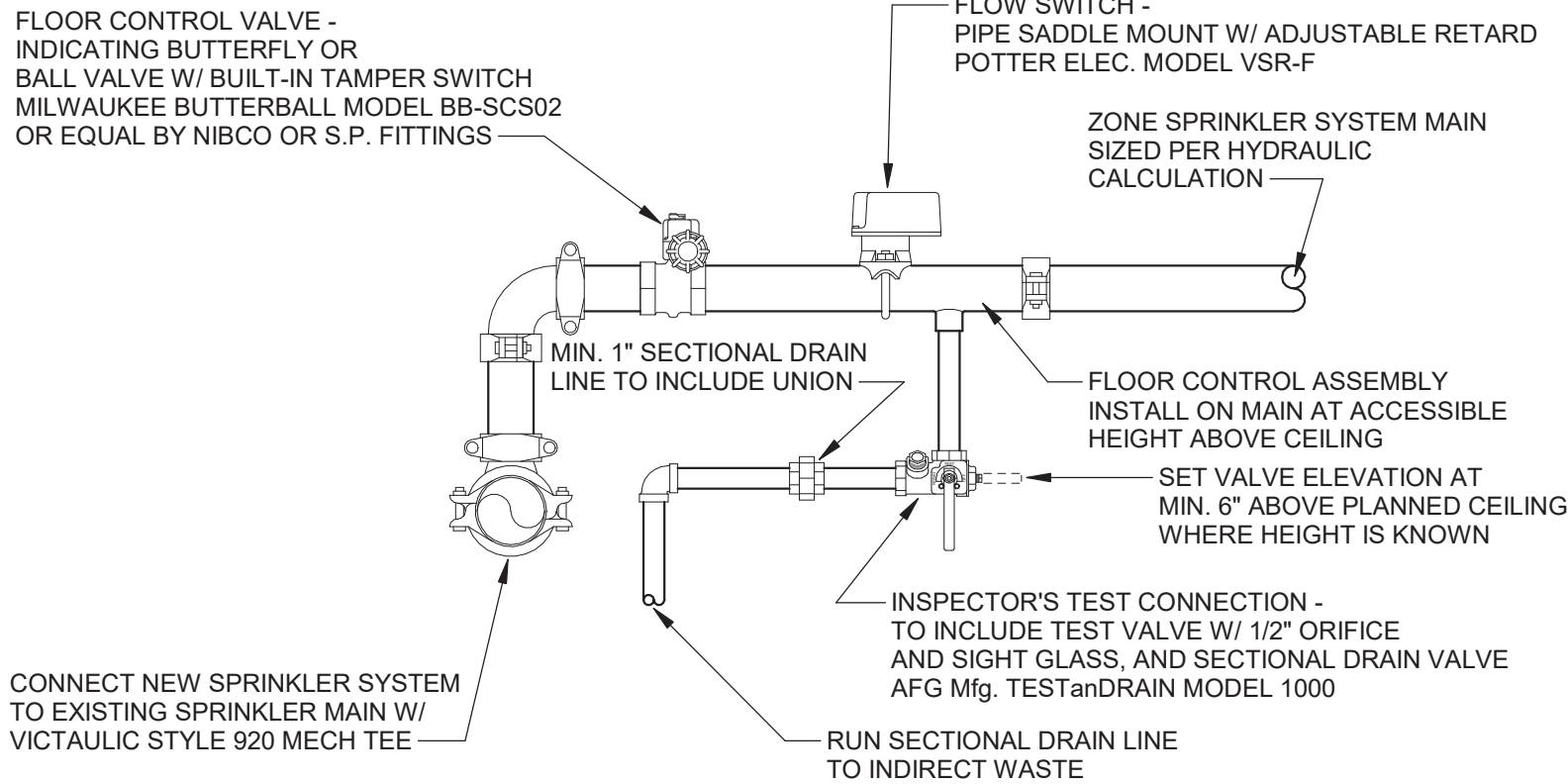
BID SET

SHEET TITLE

FIRST FLOOR FIRE PROTECTION PLAN

DRAWING No.

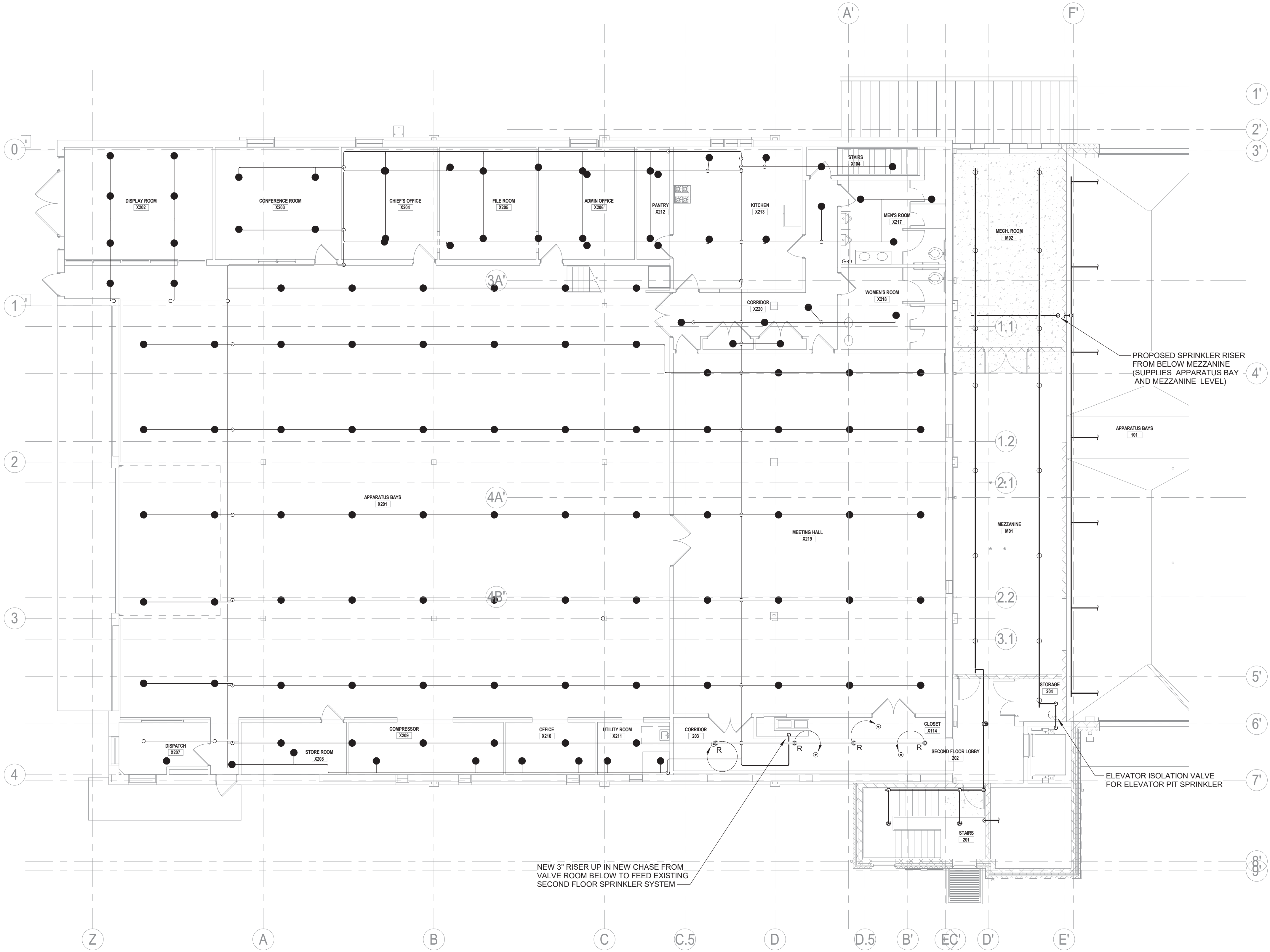
FP 101



2 ZONE CONTROL ASSEMBLY DETAIL
NTS

FIRE PROTECTION LEGEND

	FIRE PROTECTION PIPING (PROPOSED)
	EXISTING SPRINKLER SYSTEM PIPING
	PROJECTING TYPE FIRE DEPARTMENT CONNECTION
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	CONCEALED PENDENT SPRINKLER HEAD
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	HORIZONTAL SIDEWALL SPRINKLER HEAD
	DRY HORIZONTAL SIDEWALL SPRINKLER HEAD
	RELOCATE EXISTING SPRINKLER HEAD DROP WITH A PIPE ARMOVER



1 SECOND FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"

H2

M

architects
+
engineers

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SHEET TITLE
SECOND FLOOR FIRE
PROTECTION PLAN

DRAWING No.
FP 102