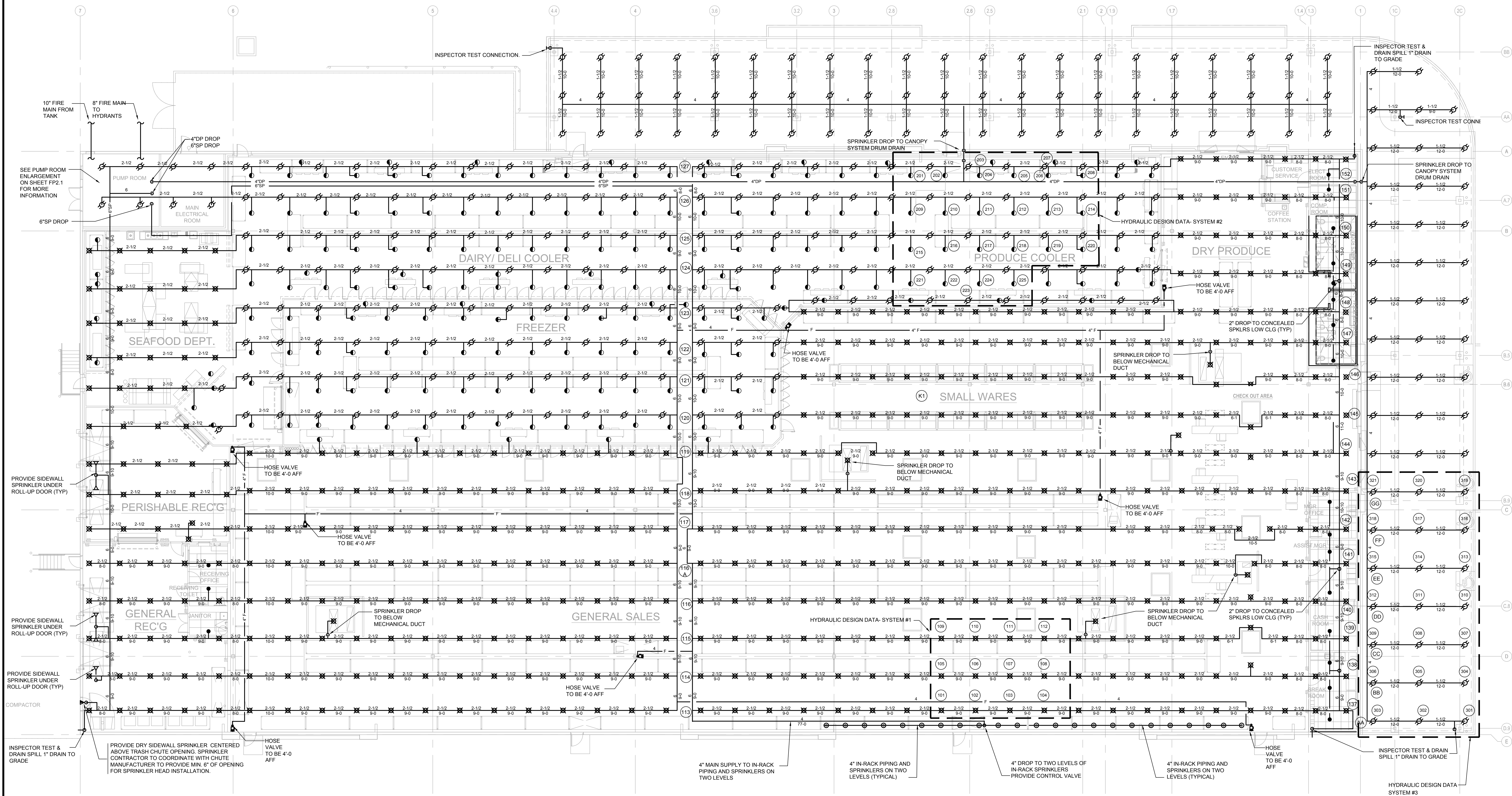




1 FIRE PROTECTION PLAN

3/32"x1'-0"

HYDRAULIC DESIGN DATA— SYSTEM #1
A.H.J. : BREWSTER NY
DESIGN STD. : NFPA 13
SYSTEM TYPE : WET PIPE (ESFR—25)

PIPING INFORMATION
MAINS : BLK. STL. SCHED. #10 — GROOVED
BRANCHES : BLK. STL. SCHED. #40
SPRINK. ORIFICE : 1" K-FACTOR : 25.2

AREA LOCATION : GENERAL SALES/RECEIVING
NO. OF FLOWING SPRINKLERS : 12
MIN. DENSITY : N/A GPM/SQ. FT. : N/A
DESIGN AREA SQ. FT. : 1,200

DEMAND AT BASE OF RISER (BR1)
FLOW : 1358.3 GPM
PRESSURE : 57.8 PSI
OUTSIDE HOSE STREAM : 250 GPM

HYDRAULIC DESIGN DATA— SYSTEM #2
A.H.J. : BREWSTER NY
DESIGN STD. : NFPA 13
SYSTEM TYPE : WET PIPE (DRY PENDENT)

PIPING INFORMATION
MAINS : BLK. STL. SCHED. #10 — GROOVED
BRANCHES : BLK. STL. SCHED. #40
SPRINK. ORIFICE : 1" K-FACTOR : 11.2

AREA LOCATION : COOLER/FREEZER
NO. OF FLOWING SPRINKLERS : 25
MIN. DENSITY : 0.41 GPM/SQ. FT. : CALCULATED 0.54
DESIGN AREA SQ. FT. : 2,000

DEMAND AT BASE OF RISER (BR1)
FLOW : 1091.70 GPM
PRESSURE : 36.8 PSI
OUTSIDE HOSE STREAM : 500 GPM

HYDRAULIC DESIGN DATA— SYSTEM #3
A.H.J. : BREWSTER NY
DESIGN STD. : NFPA 13
SYSTEM TYPE : DRY PIPE

PIPING INFORMATION
MAINS : GALVANIZED BLK. STL. SCHED. #40
BRANCHES : GALVANIZED BLK. STL. SCHED. #40
SPRINK. ORIFICE : 1/2" K-FACTOR : 5.6

AREA LOCATION : EXTERIOR CANOPY AREA
NO. OF FLOWING SPRINKLERS : 21
MIN. DENSITY : 0.15 GPM/SQ. FT. : CALCULATED 0.22
DESIGN AREA SQ. FT. : 1,950

DEMAND AT BASE OF RISER (BR3)
FLOW : 423.8 GPM
PRESSURE : 40.1 PSI
OUTSIDE HOSE STREAM : 250 GPM



5 Independence Way, Suite 900
Princeton, NJ 08540
Phone (609) 751-9655 office
Phone (609) 751-9655 cell
www.klsarchitect.com



KLS
ARCHITECT

Kurt L. Schmitz, Architect
17710 Dairway Avenue, Lakewood, Ohio 44107
Phone (216) 521-5134 • Fax (216) 521-4824 • www.klsarchitects.com

Restaurant Depot / BREWSTER, NY

BREWSTER NY 10509

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DANBURY ROAD (LOT 48) BLOCK 0002)

REVISIONS

#	DATE	TYPE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

FIRE PROTECTION FLOOR PLAN

DATE: 9/10/2020
JOB NO. 19230

FP-2.0

SHEET NO.