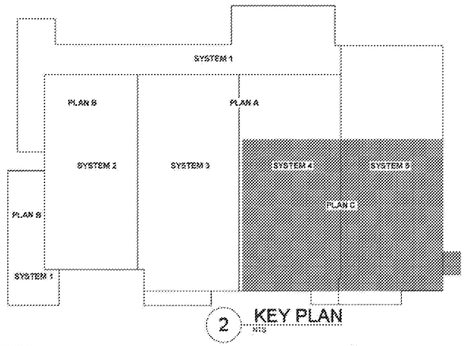
EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.



2 KEY PLAN
NTS

PROTECTION CRITERIA LEGEND

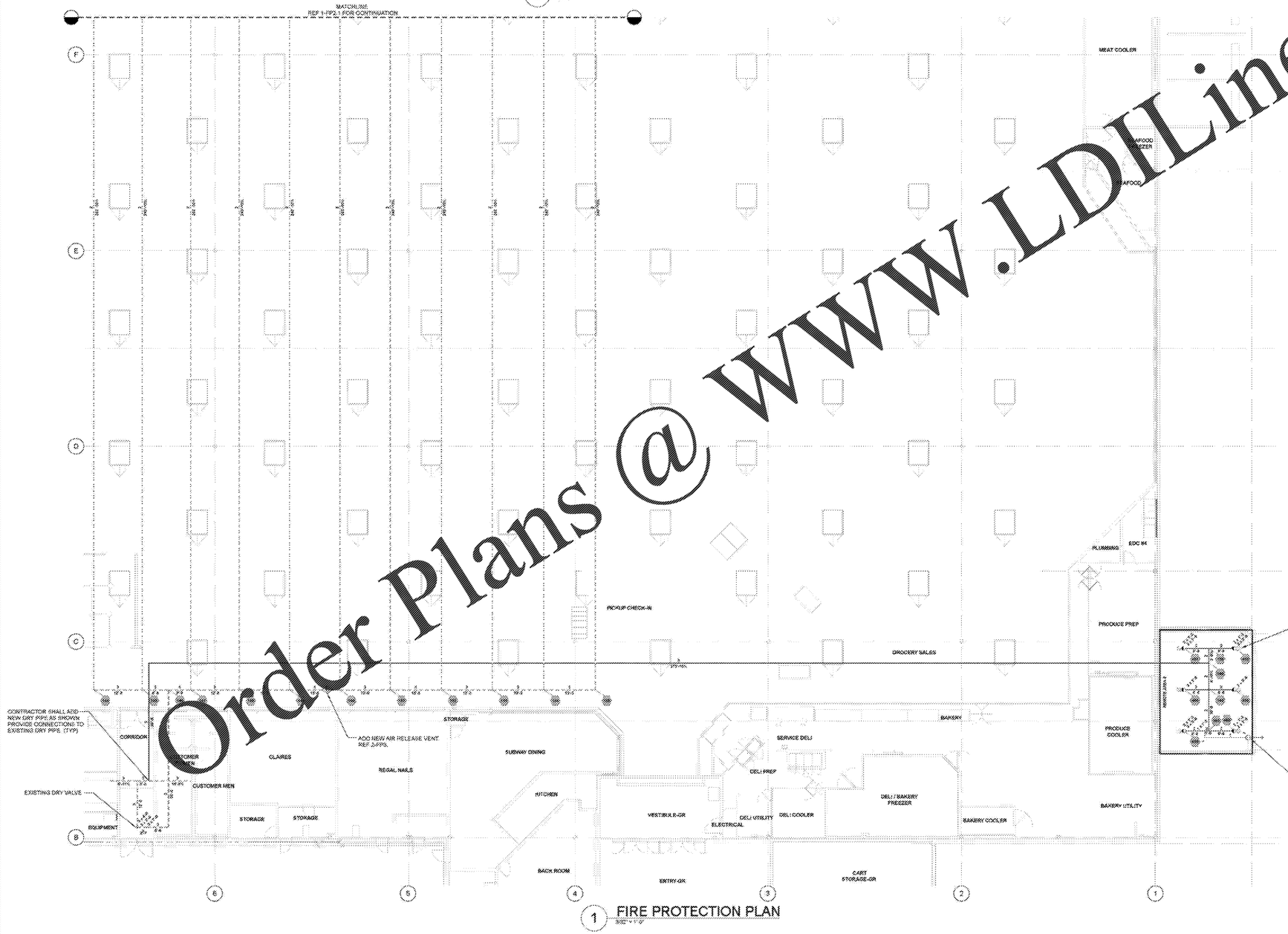
OCCUPANCY CLASSIFICATION	DISCHARGE PRESSURE (@ OPERATING SPRINKLERS - DESIGN AREA)	HOSE ALLOWANCE (GPM)	MAXIMUM SPRINKLER SPACING (SQ.FT)	DESIGN BASIS
PHARMACY DRIVE-THRU (ORDINARY HAZARD GROUP 1)	MINIMUM 0.20/1950 SQ FT OR ENTIRE AREA	250	130	ORDINARY HAZARD GROUP 2 (NO STORAGE), NFPA 13, 11.2.3.1.1 AND TABLE 11.2.3.1.2

RC = RETAIL CEILING/ NRC = NO RETAIL CEILING
SL = STORAGE LOW/ SH = STORAGE HIGH
REFERENCE SPRINKLER PLANS AND SPRINKLER SYMBOL LEGEND FOR SPRINKLERS NECESSARY TO MEET THE DESIGN REQUIREMENTS

AS = AUTOMATIC SPRINKLER

SRR = SINGLE ROW RACK
DRR = DOUBLE ROW RACK
MRR = MULTIPLE ROW RACK

MATCHLINE
REF 1-FP2.1 FOR CONTINUATION



System 4 Hydraulic Information

OCCUPANCY CLASSIFICATION	Ordinary Group 2
DENSITY (gpm/ft²)	0.20 for 1950ft² (Actual 1949ft²)
TOTAL HOSE ALLOWANCE	250.00
TOTAL HEADS PLACED	9
K-FACTOR	5.6
TOTAL WATER REQUIRED	406.67
TOTAL PRESSURE REQUIRED	33.225
BASIS OF DESIGN (psi)	406.67
BASIS OF DESIGN (gpm)	77.225
SAFETY MARGIN (psi)	49% (16.2 psi)

1 FIRE PROTECTION PLAN
3/32" = 1'-0"

0 5 10 20

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CHECKED BY	JWH
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PROTO CYCLE	02/28/2020
DOCUMENT DATE	04/15/2020

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JAMES ROY SPRADLING

FIRE PROTECTION PLAN C

SHEET
FP2.3