

DESIGN CRITERIA (PER NFPA-13)

FIRE PROTECTION AREA TYPES:

A) ORDINARY HAZARD - 0.20 GPM/S.F. OVER 1500 S.F. SPRINKLERS SHALL BE SPACED AT A 130 SQ. FT. MAXIMUM WITH SPRINKLER HEADS AT A MAXIMUM OF 12'-0" APART AND SPACED AT A MAXIMUM OF 6'-0" FROM ALL WALLS.

B) LIGHT HAZARD - 0.10 GPM/S.F. OVER 1500 S.F. SPRINKLERS SHALL BE SPACED AT A 225 SQ. FT. MAXIMUM WITH SPRINKLER HEADS AT A MAXIMUM OF 15'-0" APART AND SPACED AT A MAXIMUM OF 7'-6" FROM ALL WALLS.

C) EXTRA HAZARD - 0.45 GPM/S.F. OVER 2000 S.F. USE MINIMUM K11.2 STORAGE SPRINKLERS OR LARGER. NOTE: FOR STOCK ROOM AREA DUE TO RACK STORAGE OF CLASS 3, 4 & CLASS A PLASTIC 12-15 FEET HIGH.

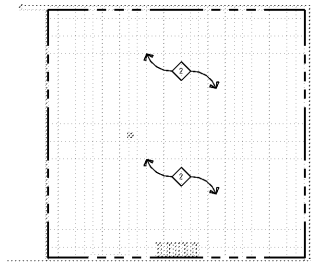
NOTES: FIRE PROTECTION SHALL PREPARE A SCHEMATIC OF THE NEW SPRINKLER SYSTEM INCLUDING HYDRAULIC CALCULATIONS BASED ON A RECENT FLOW TEST DATA.

FIRE PROTECTION GENERAL NOTES:

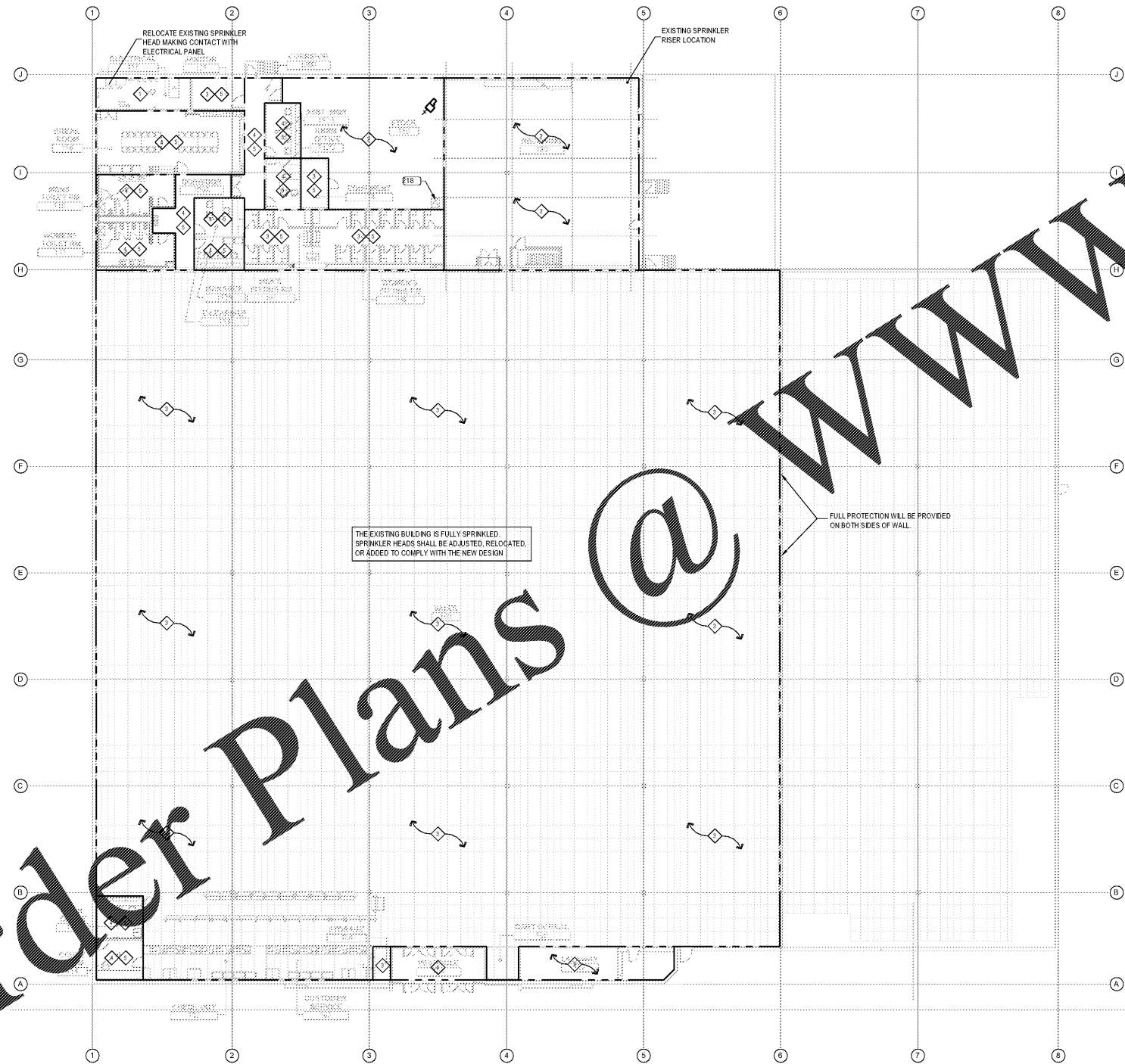
1. THE CONTRACTOR FOR THE FIRE PROTECTION WORK SHALL BE A RECOGNIZED, QUALIFIED AND LICENSED FIRE PROTECTION CONTRACTOR. PRIMARY ENGINEER IN THE PROTECTION SYSTEMS. THE FIRE PROTECTION WORKING DRAWINGS INCLUDING HYDRAULIC CALCULATIONS (BASED ON RECENT FLOW TEST DATA) & MATERIAL SUBMITTALS SHALL BE SUBMITTED TO THE STATE INSPECTION SERVICE, LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION AND TO THE OWNER'S FIRE INSURANCE UNDERWRITERS, OWNER'S ENGINEER, OF RECORD FOR REVIEW, APPROVALS AND PERMITS.
 2. THIS DRAWING IS FOR REFERENCE PURPOSE ONLY. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM AND ITS CONFORMANCE TO NFPA 13 AND ANY LOCAL CODE REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL NEEDED OFFSET CHANGES IN DIRECTION, TRANSITIONS, ETC. NEEDED FOR COMPLETE AND OPERATIONAL SYSTEMS.
 3. THE CONTRACTOR WILL VISIT THE SITE AND BE FAMILIAR WITH SITE CONDITIONS. NO EQUIPMENT OR MATERIALS TO BE ORDERED OR FIELD PRIOR TO FIELD VERIFICATION OF CLEARANCES, CLEARANCES, POTENTIAL CONFLICTS WITH EXISTING CONDITIONS OR THAT OF OTHER TRADES ON THE JOB.
 4. ALL WORK SHALL ACCORDANCE WITH THE RULES & REGULATIONS OF THE APPROPRIATE STATE AND LOCAL BUILDING CODES AND ORDINANCES.
- QUESTIONS REGARDING THESE DRAWINGS SHALL BE EXPRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.
- *SPRINKLER CONTRACTOR RESPONSIBLE TO OBTAIN A COPY OF THE BOOK SPECIFICATION AND COMPLYING WITH THE REQUIREMENTS THEREIN, ALONG WITH SPECIFICATIONS ON DWG. M5.0.
7. SPRINKLER CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, COLOR, ELEVATIONS, SOFFITS, DISPLAY WINDOWS, RACKING (TYPES, HEIGHTS, ETC.), ETC.

FIRE PROTECTION KEY NOTES:

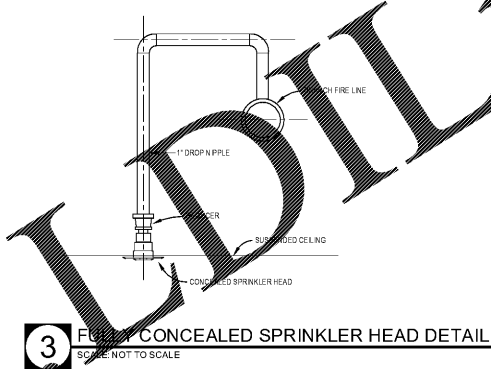
- ◆ SPRINKLER HEADS IN OPEN CEILING SHALL BE UPRIGHT TYPE. HEAD TO BE BRASS. (TYPE A)
- ◆ SPRINKLER HEADS IN OPEN CEILING SHALL BE UPRIGHT TYPE. HEAD TO BE BRASS. (TYPE C)
- ◆ SPRINKLER HEADS IN LAY-IN AND HARD CEILING SHALL BE FULLY RECESSED FULLY CONCEALED TYPE. COLOR TO BE WHITE. (TYPE A)
- ◆ SPRINKLER HEADS IN LAY-IN AND HARD CEILING SHALL BE FULLY RECESSED FULLY CONCEALED TYPE. COLOR TO BE WHITE. (TYPE B)
- ◆ SPRINKLER HEADS ABOVE CEILING SHALL BE UPRIGHT TYPE. HEAD TO BE BRASS. (TYPE A)



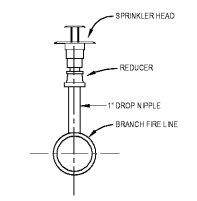
MEZZANINE FIRE PROTECTION PLAN
SCALE: 1/16"=1'-0"



FIRE PROTECTION PLAN
SCALE: 1/16"=1'-0"



3 FULLY CONCEALED SPRINKLER HEAD DETAIL
SCALE: NOT TO SCALE



2 UPRIGHT SPRINKLER HEAD DETAIL
SCALE: NOT TO SCALE

1 NOT USED.
SCALE: NOT TO SCALE

PETER M. HONEYFORD
PROFESSIONAL ENGINEER
VA BUSINESS ENTITY PERMIT NO. 427705483
VA LICENSE NUMBER 42228541
EXP: 11/30/2019

PMH ASSOCIATES, INC.
PROFESSIONAL ELECTRICAL, FIRE PROTECTION & STRUCTURAL ENGINEERING
1011 N. CHEROKEE ST. STE. B WOODBRIDGE, VA 22191
800-526-4144 / 703-672-3731 / 703-672-3732 FAX
1375 PARKLANE, SUITE 1010, CHARLOTTE, NC 28203
434-484-4444 / 434-484-4444 FAX
WWW.PMH-ASSOCIATES.COM

Ignarri Lummis ARCHITECTS
601 Chapel Avenue East
Cherry Hill, New Jersey 08034
P 856.426.8877
F 856.426.6379
W ignarrilummis.com

Date: _____
William J Fearon AIA
VA 017851

CLIENT & PROJECT

Burlington
BURLINGTON STORES, INC.
1830 ROUTE 130 NORTH
BURLINGTON, NEW JERSEY
08016

TENANT IMPROVEMENT FOR
MANASSAS, VA
STORE #188

SUDLEY TOWN PLAZA
7685 SUDLEY ROAD
MANASSAS, VA 20109

DISTRIBUTION:	DATE:
PERMIT SUBMISSION	02-22-2018

PROJECT INFO:
PROJECT NUMBER:
9333.10
DRAWN: _____ CHECKED: _____
PPW JMD
NOTE & COPYRIGHT:
CONTRACTOR(S) SHALL VERIFY EXISTING CONDITIONS AND CORRELATE DIMENSIONS PRIOR TO PROVIDING THE WORK DETAIL IN THESE DRAWINGS AND SHALL PROMPTLY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
UNAUTHORIZED REPRODUCTION OR OTHER USE OF THIS DRAWING IS PROHIBITED.

DRAWING NAME & TITLE:
FIRE PROTECTION PLAN
FP1.0

Order Plans @