

CALC FILE : C09941.WX1
 HYDRAULIC DATA:
 BASIS OF DESIGN:
 AREA: 1500 SQUARE FEET
 DENSITY: 0.20 GAL/SQ FOOT
 TOTAL ORIFICE TEMP
 SPRINKLERS 16 1/2" 155"
 SYSTEM DEMAND AT TEST:
 PRESSURE FLOW HOSE
 55.254 605.62 250
 SAFETY MARGIN 34.54 PSI
 OCCUPANCY: MERCANTILE

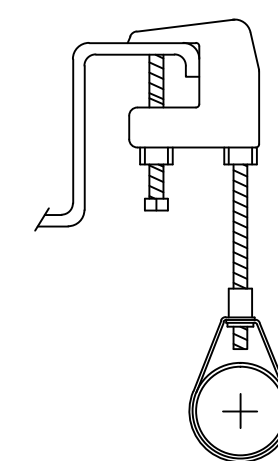
LEGEND:

- MECHANICAL TEE
- ⊗ RISER LOCATION
- RISE OR DROP
- ∩ GROOVED COUPLING
- ⊗ HYDRAULIC REFERENCE POINT
- ⊠ CEILING HEIGHT
- HANGER
- EXISTING SPRINKLER PIPING
- NEW SPRINKLER PIPING
- HYDRAULIC REFERENCE AREA
- F ∅= X'-X" FINISHED FLOOR TO PIPE CENTERLINE
- D ∅= X'-X" CONCRETE DECK TO PIPE CENTERLINE

- ⊗ 1
 200"
 VIKING DRY TYPE VK180
 QUICK RESPONSE / STANDARD COVERAGE
 WHITE POLYESTER PENDENT
 1"NPT K=5.6
- ⊗ 18
 155"
 VIKING MICROFAST VK302
 QUICK RESPONSE / STANDARD COVERAGE
 WHITE POLYESTER PENDENT
 1/2"NPT K=5.6

SYSTEM CLASSIFICATION:

RELOCATION OF EXISTING SPRINKLERS AND ADDITION OF NEW SPRINKLERS TO COVER RENOVATED RETAIL SPACE. WET PIPE SYSTEM HYDRAULICALLY CALCULATED AT AN ORDINARY HAZARD DENSITY OF .15 GPM OVER 2500 SQUARE FEET WITH A 250 GPM HOSE ALLOWANCE, SYSTEM IS CALCULATED TO THE HIGHER STANDARD PER THE INSURANCE CARRIER FM GLOBAL DATA SHEET 3-26 TABLE 4. INSTALL CONCEALED HEADS WITH WHITE COVERPLATES IN THE GYPSUM BOARD CEILINGS AND CHROME RECESSED PENDENTS IN THE CENTER OF THE ACOUSTIC CEILING TILES. SYSTEM IS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA-13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2002 EDITION.



HANGER DETAIL
TOP BEAM CLAMP

GENERAL NOTES:

- ALL THREADED PIPE IS TO BE SCH. 40 BLACK STEEL U/N.
- ALL GROOVED PIPE IS TO BE SCH. 10 BLACK STEEL U/N.
- ALL THREADED PIPE FITTINGS ARE TO BE BLACK CAST IRON, CLASS 125 U/N.
- DIMENSIONS SHOWN ON THREADED PIPE ARE CENTER TO CENTER U/N.
- DIMENSIONS SHOWN ON GROOVED PIPE ARE "CUT" LENGTHS U/N.
- SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET SPRINKLER SYSTEM IS REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

DEAN & ALLYN, INC.
FIRE PROTECTION • SPECIAL HAZARD

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| | | DANA A. STEWART NICET IV - #064544 | | DRAWING TITLE: SPRINKLER LAYOUT | REV. 1 |
| APPROVED BY | DATE | SURVEYED BY | CAS 10/31/11 | LITTLE CAESAR PIZZA 91 AUBURN STREET PORTLAND, MAINE 04103 | NO. OF SPRINKLERS SHOWN ON THIS SHEET 19 |
| | | DRAWN BY | CAS 10/31/11 | | NO. OF SPRINKLERS ON JOB 19 |
| | | CHECKED BY | XX XX | | CONTRACT NO. CXXXXXX |
| | | AT DEAN & ALLYN, INC | | | |
| | | SCALE 1/4"=1'-0" U/N | | | |
| ① FOR APPROVAL REVISIONS | 11/1/11 DATE | // SHEET NO. 1 OF 1 | | | |