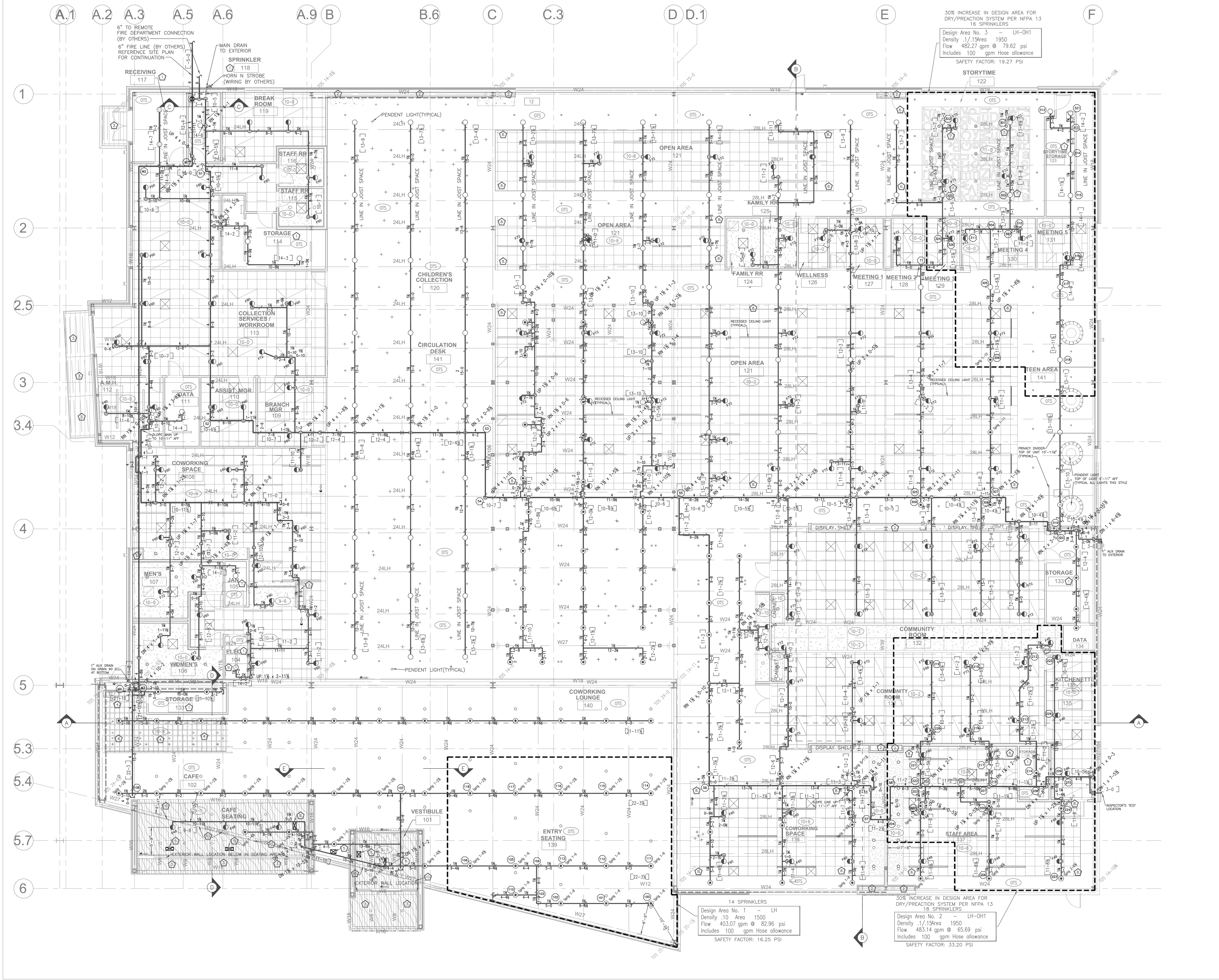




GENERAL NOTES:

NEW CONSTRUCTION OF A NEW COLBURN ROAD BRANCH
MID-CONTINENT PUBLIC LIBRARY.

THE FIRE SPRINKLER SYSTEM IS A DOUBLE INTERLOCK PREACTION SYSTEM THROUGHOUT THE BUILDING WITH DETECTION (BY OTHERS). THE EXCEPTION IS THE ENTRY AREA, THE ENTRY SEATING 139, VEST 101, CAFE 102 AND STORAGE 103 ROOMS WILL BE PROTECTED WITH A WET SYSTEM.

OCCUPANCY: A-3 ASSEMBLY
PROPOSED USE: LIBRARY
CONSTRUCTION TYPE 2B-SINGLE STORY

ALL THREADED LINE PIPING 1" TO 1 1/2" IS TO BE SCHEDULE 40 BLACK PIPE WITH THREADED DUCTILE IRON FITTINGS.

ALL GROOVED LINE PIPING 2" AND SMALLER IS TO BE SCHEDULE 10 BLACK PIPE WITH ROLLED GROOVED ENDS AND GROOVED COUPLINGS.

ALL GROOVED MAIN PIPING 2" AND LARGER IS TO BE SCHEDULE 10 BLACK PIPE WITH ROLLED GROOVED ENDS AND GROOVED COUPLINGS.

BULK MAIN AND CROSS MAIN FITTINGS ARE TO BE IRON GROOVED OR WELDED STEEL OUTLETS.

ALL FITTINGS CONFORM TO NFPA 13.

IT IS THE OWNERS RESPONSIBILITY TO PROVIDE ADEQUATE HEAT TO KEEP THE SPRINKLER SYSTEM FROM FREEZING.

ALL ELECTRICAL WIRING OF ALARM BELLS, FLOW SWITCHES AND TAMPER SWITCHES ARE (BY OTHERS)

THE SPRINKLER SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13, 2013 EDITION.

PENETRATIONS THROUGH FIREWALLS TO BE FIRE CAULKED, WITH UL LISTED ASSEMBLY.

TRAPPED PIPE < 5 GAL SHALL HAVE AUXILIARY DRAINS WITH A MINIMUM 1/2" VALVE AND A PLUG OR NIPPLE AND CAP OR DRAINED THROUGH A SINGLE PENDENT SPRINKLER WHETHER SHOW ON DRAWINGS OR NOT.

THE SPRINKLER SYSTEM OR SYSTEMS ARE TO BE TESTED IN ACCORDANCE WITH THE LATEST APPLICABLE PAMPHLETS OF NFPA.

CENTERING OF SPRINKLERS IN CEILING TILES IS REQUIRED. CENTER IN NARROW DIMENSION OF CEILING TILES.

USE FLEXIBLE DROPS TO FIRE SPRINKLERS. SEE DETAILS ON SHEET FP2

SEISMIC DESIGN CATEGORY B: SEISMIC BRACING IS NOT REQUIRED

HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS

HIGH TEMP SPRINKLERS INSTALLED IN OTHER AREAS WHERE REQUIRED BY NFPA 13.

FLOW TEST DATA:

STATIC: 100 PSI
RESIDUAL: 84 PSI WITH 2050 GPM FLOWING.
INFORMATION FROM: CITY OF LEE'S SUMMIT
DATE: 04-17-20

DESIGN CRITERIA:

ALL AREAS LIGHT HAZARD UNLESS NOTED OTHERWISE
REFER TO KEYED NOTES FOR OTHER HAZARD CLASSIFICATIONS.

ALL WALLS ARE FULL HEIGHT TO DECK UNLESS NOTED OTHERWISE BY A KEYED NOTE.

LIGHT HAZARD
0.10 GPM/S.F. FOR 1500 S.F.
MAXIMUM 225 S.F. PER SPRINKLER
100 GPM HOSE ALLOWANCE

BUILDING SERVICE AREAS, MECHANICAL, STORAGE, ELECTRICAL AND JANITORIAL ROOMS:
ORDINARY HAZARD GROUP 1
0.15 GPM/S.F. FOR 1500 S.F.
MAXIMUM 130 S.F. PER SPRINKLER
250 GPM HOSE ALLOWANCE

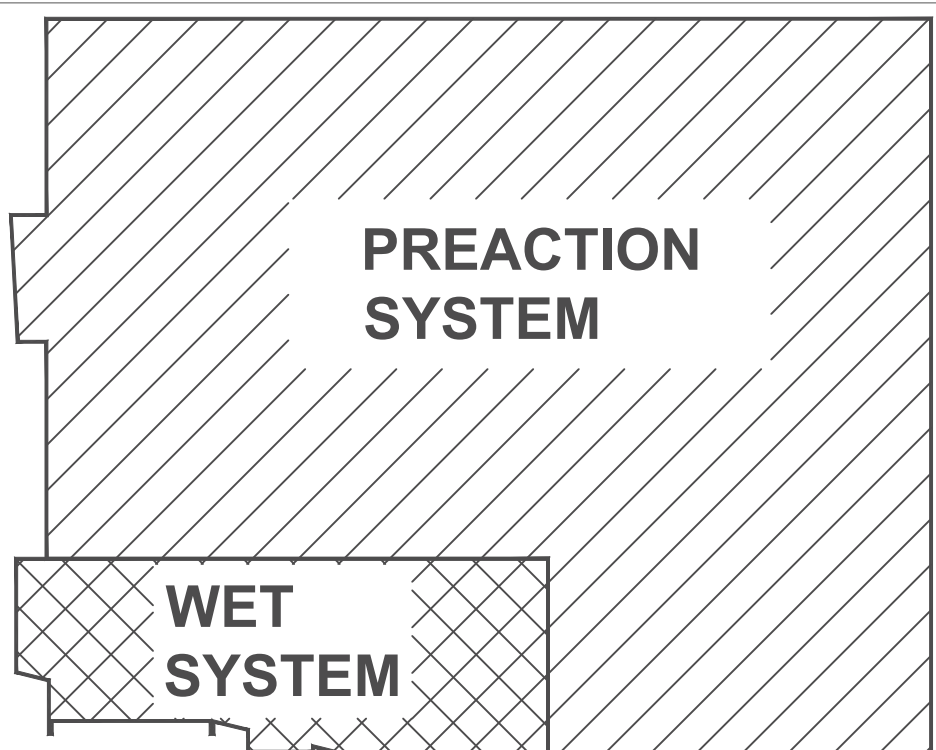
30% INCREASE IN DESIGN AREA FOR DRY(PREACTION) SYSTEM

TOTAL BUILDING AREA:
33,527 Sq Ft (1 STORY)

CONSTRUCTION:

NON-COMBUSTIBLE STEEL BEAM, BAR JOIST
AND CONCRETE CONSTRUCTION

- KEYED NOTES:**
- ROOM IS DESIGNATED ORDINARY HAZARD GROUP 1
 - NON-COMBUSTIBLE NON-ACCESSIBLE SPACE
NO SPRINKLERS REQUIRED
 - NON-COMBUSTIBLE STEEL EXTERIOR CANOPY-NO STORAGE ALLOWED.
FOR PEDESTRIAN USE ONLY, NO FIRE SPRINKLERS REQUIRED.
 - OPEN CEILING IN CAFE 102. BAFFLES SUPPORTED BY UNISTRUT SYSTEM.
BOTTOM OF CEILING 10'-8" TOP OF CEILING 11'-3". CEILING IS CONSIDERED 70% OPEN AND IS PROTECTED BY SPRINKLERS FROM ABOVE
 - DUCT SUPPLY GRILL LOCATED IN FLOOR TO HEAT AND COOL AREA
AT CAFE 102 AND VEST 101.
 - TOP OF GLASS WALL 10'-0" AFF
 - SPRINKLERS TO PROTECT ABOVE AND BELOW CEILING CLOUD IN STORY TIME 122
 - SPRINKLERS TO PROTECT ABOVE AND BELOW CEILING CLOUDS IN OPEN AREA
 - OTHERS TO PROTECT ELECTRICAL PANELS, IF ANY FROM SPRINKLER SPRAY.
 - FULL HEIGHT WALL ABOVE CAFE SEATING AND VEST 101 AREAS. UPRIGHT SPRINKLERS PROTECT TO WALL ABOVE THESE AREAS



FIRE SPRINKLER PLAN 1ST FLOOR
1/8" = 1'-0" SCALE 1/8"=1'-0"

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