

BUILDING CODE ANALYSIS \*BUILDING USE: LABORATORY \*CONSTRUCTION TYPE: 1-A \*OCCUPANCY GROUP /S: LABORATORY: BUSINESS (B) \*TOTAL FLOOR AREA PER LEVEL: 2,565/100 = 26 OCCUPANTS

FIRE PROTECTION CODE ANALYSIS \*SYSTEM DESIGN IS BASED ON 2018 IBC, NFPA 13 2018 SPRINKLER DESIGN DEMANDS SHALL BE AS FOLLOWS \*ALL SPACES ARE LIGHT HAZARD UNLESS NOTED OTHERWISE ON DRAWINGS \*LIGHT HAZARD: 0.10 GPM/SF OVER 1500 SQ. FT. + 100 GPM HOSE ALLOWANCE \*ORDINARY HAZARD GROUP 1: 0.15 GPM/SF OVER 1500 SQ. FT. + 250 GPM HOSE ALLOWANCE \*ORDINARY HAZARD GROUP 2: 0.20 GPM/SF OVER 1500 SQ. FT. + 250 GPM HOSE ALLOWANCE \*DESIGN AREAS UTILIZE QUICK RESPONSE SPRINKLER AREA REDUCTION IN ACCORDANCE WITH NFPA 13

## GENERAL NOTE

\*ALL SPRINKLER SYSTEMS SHALL CONFORM WITH THE REQUIREMENTS OF NFPA 13 2018

\*ALL SECTIONS OF TRAPPED PIPING TO HAVE AUXILIARY DRAINS WHERE REQUIRED PER NFPA 13 2018 \*ALL HANGER TO BE INSTALLED PER REQUIREMENTS OF NFPA 13 2018

\*PENETRATIONS THROUGH FIRE RATED WALL SHALL BE FIRE CAULKED AS REQUIRED PER CONTRACT

\*THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE HEAT TO PREVENT WATER FILLED PIPE FROM FREEZING

\*AMERICAN FIRE SPRINKLER CORP. IS NOT CONTRACTED TO PROVIDE THE ALARM WIRING TO THE

CENTRAL STATION ALARM SYSTEM \*THREADED PIPING 1" -2" SHALL BE SCH 40 BLACK STEEL WITH DUCTILE THREADED FITTINGS \*GROOVED PIPING 1" -2" SHALL BE SCH 40 BLACK STEEL WITH VICTAULIC GROOVED FITTINGS \*GROOVED PIPING 2 1/2" -8" SHALL BE SCH 10 BLACK STEEL WITH VICTAULIC GROOVED FITTINGS \*SYSTEM PIPE SHALL BE SIZED PER EXISTING SYSTEM / NEW CALCULATIONS ARE NOT REQUIRED

LEGEND:

R - RELOCATE

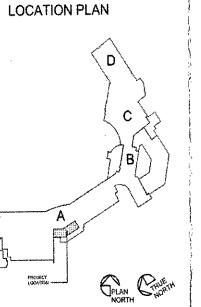
A - ADDED

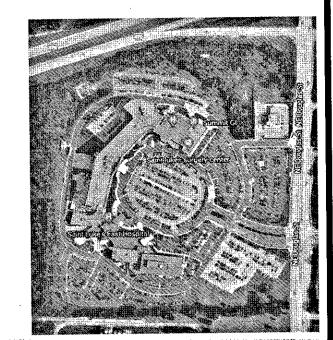
E - EXISTING TO REMAIN

EXISTING PIPE TO REMAIN - ----

NOT IN SCOPE OF WORK -















PAY ITEM: REVIEWING AUTHORITY: OWNER / LEE'S SUMMIT, MO ALL HEADS THIS SHEET: 10

TOTAL HEADS THIS JOB: 10 DRAWN BY: COREY SCOTT DATE:

REVISION DATE: AS SHOWN SCALE: CONTRACT# SK0783 DWG #:

FP01