

SPRINKLER DESIGN KEY NOTES

- REFER TO SHEET FP-3 FOR SPRINKLER RISER DETAIL.
- FIRE DEPARTMENT CONNECTION. SEE RISER DETAIL.
- PROVIDE LIGHT AND ORDINARY HAZARD (AS APPLICABLE) SPRINKLER PROTECTION WITHIN THE EXISTING OFFICE SPACES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO DESIGN.
- ALL OVERHEAD DOORS OPEN STRAIGHT UP & DO NOT CREATE AN OBSTRUCTION FOR SPRINKLERS. NO SPRINKLER PROTECTION BELOW REQUIRED U.N.O.
- PROVIDE EXTRA HAZARD GROUP 2 PROTECTION WITHIN THE EXISTING STORAGE ROOMS.
- PROVIDE ABOVE/BELOW CEILING SPRINKLER PROTECTION IN THIS AREA FOR PROTECTION OF COMBUSTIBLE CONSTRUCTION ABOVE THE CEILING.
- USE FLEX GROOVE COUPLINGS AT THE PEAK TO MAINTAIN PIPE CENTERLINE PARALLEL TO ROOF SLOPE.
- UTILIZE CMDA K-11.2, 165", PENDENT SPRINKLERS TO PROVIDE 0.40 GPM/FT² OVER 2,500 FT² FOR THE PROTECTION BELOW THE MEZZANINE IN ACCORDANCE WITH NFPA 13, TABLE 13.2.1 - EXTRA HAZARD GROUP 2 FOR MISCELLANEOUS STORAGE.
- UTILIZE ESFR K-16.8, 212", UPRIGHT SPRINKLERS TO PROVIDE PROTECTION IN ACCORDANCE WITH NFPA 13, TABLE 17.2.3.1 - ESFR RACK STORAGE WITHOUT SOLID SHELVES OF PLASTICS COMMODITIES STORED IN SINGLE, DOUBLE AND MULTIPLE-ROW RACKS TO A MAXIMUM STORAGE HEIGHT OF 25'-0" WITH A MAXIMUM ROOF HEIGHT OF 30'-0". MINIMUM SPRINKLER OPERATING PRESSURE SHALL BE 35 PSI. (NO OPEN-TOP CONTAINERS PERMITTED).
- BRANCH LINE CENTER LINE ELEVATION SHALL ASSURE ESFR AND CMDA SPRINKLER DEFLECTOR IS WITHIN 12" OF THE BOTTOM OF THE DECK.
- LOADING DOCK IS OF NONCOMBUSTIBLE CONSTRUCTION AND IS NOT UTILIZED FOR STORAGE OF COMBUSTIBLES. SPRINKLER PROTECTION NOT REQUIRED IN ACCORDANCE WITH NFPA 13, SECTION 8.15.7.2.
- OFFICE AREA - LIGHT HAZARD OCCUPANCY.
- LEAN-TO - NONCOMBUSTIBLE CONSTRUCTION. PROVIDE PROTECTION VIA EXTENDED COVERAGE ORDINARY HAZARD DRY SIDEWALL SPRINKLER HEADS.
- BRANCH LINES INSTALLED WITHIN JOISTS. JOIST SPACING IS 2'-0" ON CENTER. MAKE PROVISION FOR INSTALLING PIPING FROM THE END OF THE JOIST SYSTEM.
- EXISTING STRUCTURAL DRAWINGS FOR FOUNDATION ARE NOT AVAILABLE. THE PIPING SHALL BE STUBBED UP OUTSIDE OF THE BUILDING AND EXPOSED PIPE SHALL BE PROVIDED WITH INSULATION AND METAL JACKETING FOR FREEZE PROTECTION AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE SPRINKLER PROTECTION BELOW THE STAIR.



