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a new office / warehouse building
LBP V - A
NE Maguire Blvd. & NE Independence Avenue
Lee's Summit, Missouri

A0.0
cover sheet

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project description:

A new office / warehouse building for LBP in Lee's Summit, Missouri

submittal dates:

FDP submittal: 03.08.2017
FDP approval:
permit submittal: 03.20.2017
permit approval:

code review:

Governing Municipality: Lee's Summit, Missouri
Governing Codes: 2012 IBC, 2012 IEBC, 2012 IFC, 2012 IPC, 2012 IEC, 2012 IMC, 2012 IFGC, 2011 NEC, ADA/ANSI A117.1
Zoning: CS
Site Area: Phase II: 143,835 sq. ft./approx. 3.30 acres
Total: 334,770 sq. ft./approx. 7.68 acres
Construction: II-B
Stories: one
Building Height: 41'-4"
Fire Suppression: yes (NFPA13)
Occupancy Group: B (business)
S-1 (warehouse)
Tabular Area (S-1): 17,500
Sprinkler Increase (300%): 52,500
Frontage Increase (75%): 13,125
Allowable Area: 83,125
Total Actual Building Area: 41,215 sq. ft.
Floor Area Ratio: 41,215/143,835 = .28
41,215/334,770 = .12
Occupant Load: TBD
Restroom Calcs: TBD
Parking Required: office: 27614 sq. ft./250 = 110
warehouse: 13601 sq. ft./1000 = 13
Total Required Spaces: 124 spaces
Total Parking Provided: 124 spaces
Fire Extinguishers: Provide for 75' maximum travel distance to extinguisher throughout building.

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