

Autodesk Doc: /13-23128-00_MCC Automotive Institute 13-23128-00_MCC Automotive Center_AR_2022.rvt
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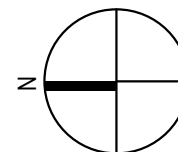
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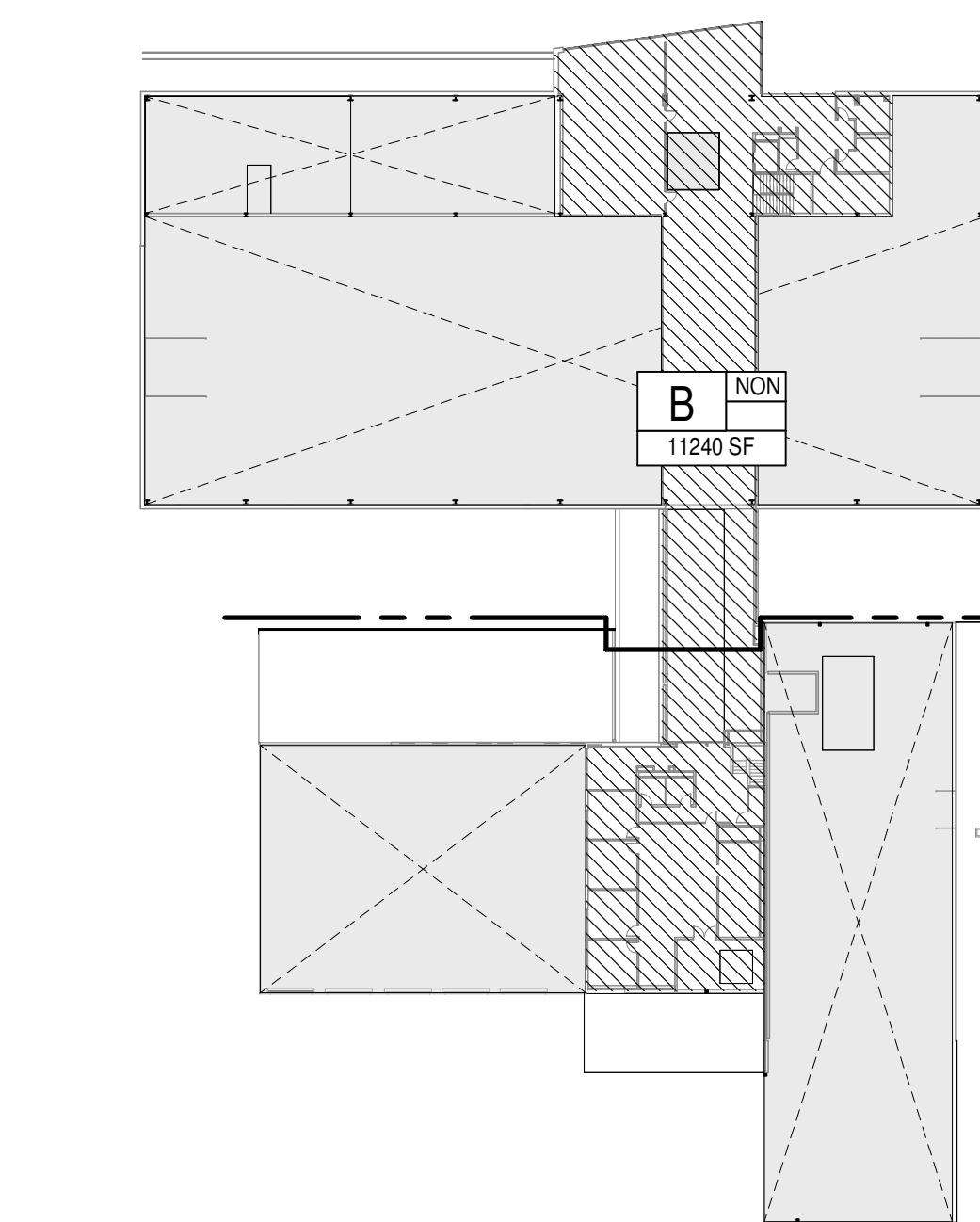
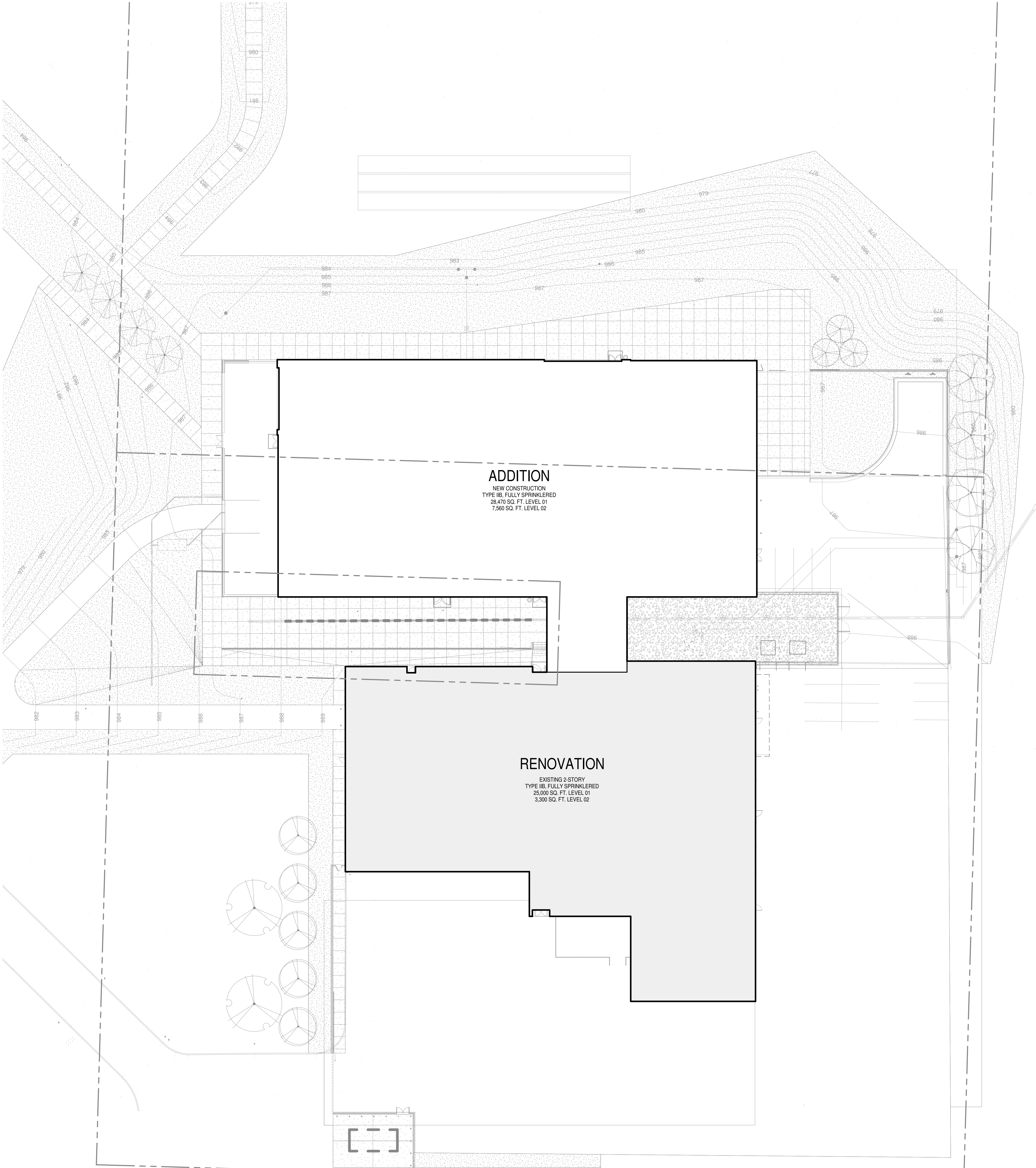
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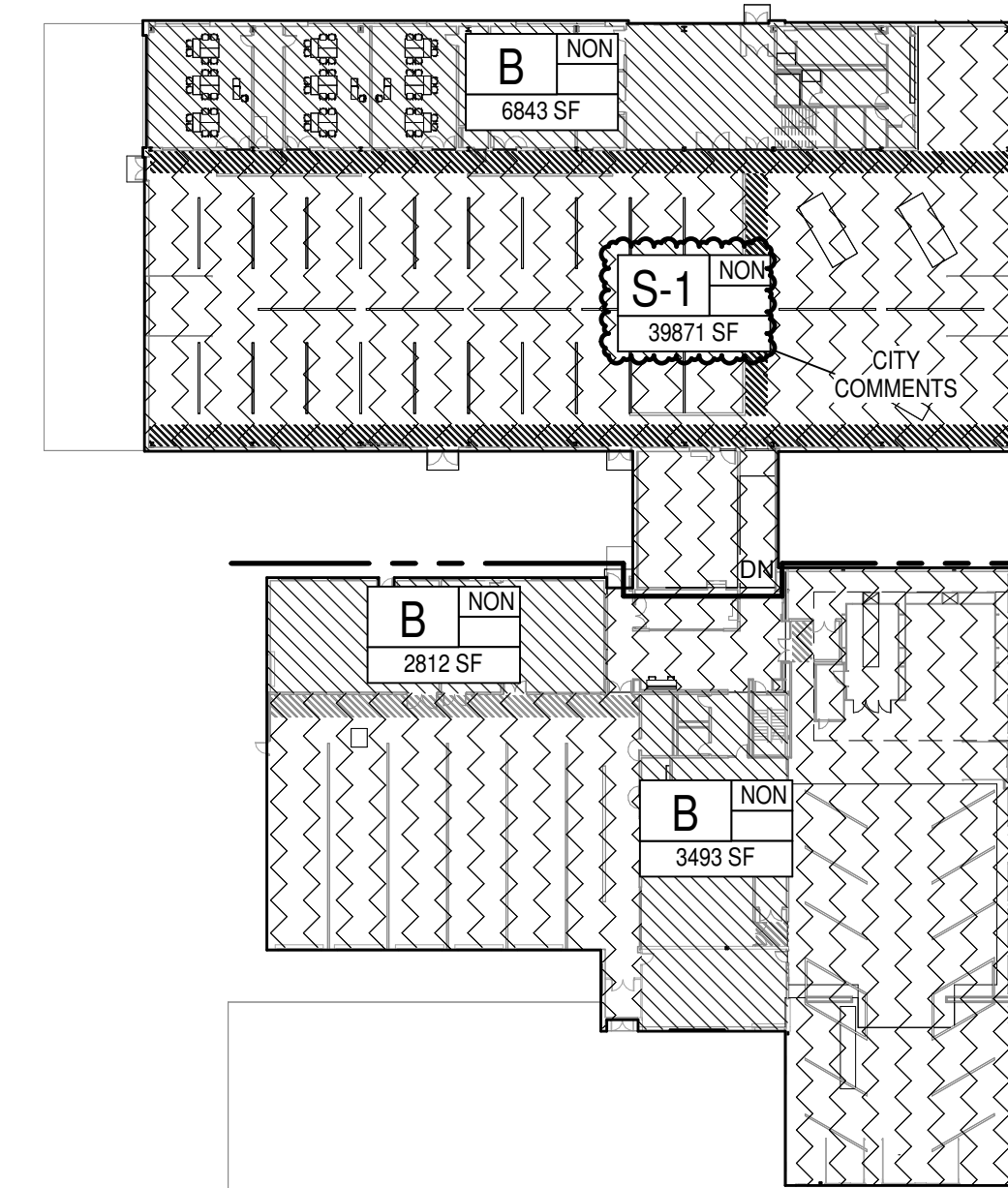
SITE CODE PLAN

SCALE: 3/64" = 1'-0"



LEVEL 02 - OCCUPANCY GROUPS

SCALE: 1" = 50'-0"



LEVEL 01 - OCCUPANCY GROUPS

SCALE: 1" = 50'-0"

TYPICAL DOOR WIDTHS

DOOR WIDTH	CLEAR WIDTH	IBC 1005.1 FACTOR	ALLOWABLE OCCUPANCY
36"	33"	0.15	220
42"	39"	0.15	260
48"	45"	0.15	300
PAIR 36"	64"	0.15	426
PAIR 42"	76"	0.15	506
PAIR 48"	88"	0.15	596

EXIT ACCESS STAIRWAYS:
1. EXIT ACCESS STAIRWAYS AND RAMPS - TRAVEL DISTANCE ON EXIT ACCESS STAIRWAYS OR RAMPS SHALL BE INCLUDED IN THE EXIT ACCESS TRAVEL DISTANCE MEASUREMENT PER IBC 2015 1017.3.1.
2. TWO-STORY OPENINGS - OPENINGS DO NOT CONNECT MORE THAN TWO STORIES PER IBC 712.1.9, EXCEPTION 1.
3. EXIT ACCESS STAIRWAYS AND RAMPS SERVE ONLY TWO STORIES PER IBC 1019.3, EXCEPTION 1, AND DO NOT REQUIRE A SHAFT ENCLOSURE.

LIFE SAFETY:
AUTOMATIC FIRE SUPPRESSION SYSTEM THROUGHOUT
FIRE ALARMS THROUGHOUT
FIRE EXTINGUISHERS THROUGHOUT
EMERGENCY LIGHTING
FIRE DEPARTMENT CONNECTIONS - SEE CIVIL AND PLUMBING PLANS
FIRE ALARM ANNUNCIATOR PANEL (FAAP) - AT SECURE ENTRY C101
FIRE ALARM CONTROL PANEL (FACP) - AT TELECOM B104
SMOKE CONTROL SYSTEM: NOT APPLICABLE
MANUAL ALARMS
COMMUNICATIONS AND ELECTRICAL ROOMS: NO UPS PROVIDED, NO RACK OF BATTERIES PROVIDED.
PENETRATIONS THROUGH FLOORS (PIPING, CONDUIT, ETC.): ANNULAR SPACE AROUND PENETRATING ITEMS TO BE FILLED WITH APPROVED MATERIALS TO RESIST THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION, PER 2018 IBC 714.6.2 AND 718.2.5
DUCT PENETRATIONS THROUGH FLOORS: ANNULAR SPACE AROUND PENETRATING DUCT TO BE FILLED WITH AN APPROVED NON-COMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION, PER 2018 IBC 717.6.3.2 AND 718.2.5

PLUMBING FIXTURES

	# OF OCCUPANTS		WC REQ'D		WC PROVIDED		LAV REQ'D		LAV PROVIDED		DRINKING FOUNTAINS REQ'D	DRINKING FOUNTAINS PROVIDED	OTHER REQ'D	OTHER PROVIDED
	M	W	M	W	M	W	M	W	M	W				
FACULTY NOTES: CALCULATIONS BASED ON UPC 4.1 REQ'TS. OCCUPANT LOAD BASED ON PROJECTED 14 FACULTY COUNT	7	7	1	1	*SEE TOTALS		1	1	*SEE TOTALS		1		NOT REQ'D PER TABLE 2902.1 e.	*SEE TOTALS
STUDENTS NOTES: CALCULATIONS BASED ON IPC 4.1 REQ'TS. OCC. LOAD BASED ON PROJECTED 178 MAX CAPACITY STUDENT COUNT (178 MORNING / 178 AFTERNOON)	89	89	3	3	*SEE TOTALS		3	3	*SEE TOTALS		2		1 SERVICE SINK	*SEE TOTALS
FIXTURE TOTALS			4	4	5		4	4	5	5	3	4	1 SERVICE SINK	14 SERVICE SINKS

*TOTALS INCLUDE RESTROOM FIXTURES
LOCATED WITHIN 500 FT. ON LEVEL 1 OR
LEVEL 2 PER IPC 403.3.3

NAME OF PROJECT: MCC AUTOMOTIVE INSTITUTE
LOCATION: 500 SW LONGVIEW RD., LEE'S SUMMIT, MO
COUNTY: JACKSON
OWNER: METROPOLITAN COMMUNITY COLLEGE
A/E: CITY OF LEE'S SUMMIT, MO
ARCHITECT: DLR GROUP
7290 W 133RD ST.
OVERLAND PARK, KS
P: 913.897.7811

PROJECT DESCRIPTION
The Project consists of two main elements. First is a renovation and reworking of space in the existing Automotive and Collision labs to create a new Diesel program as well as new offices and collaborative spaces. The second is an addition for a brand new Automotive lab with new classrooms, lockers, restrooms, offices, and nearly 20,000 sq ft for labs themselves.

FIRE DEPARTMENT: LEE'S SUMMIT FIRE STATION #3
WATER SUPPLY: LEE'S SUMMIT WATER SERVICE

APPLICABLE BUILDING CODES
• 2018 INTERNATIONAL BUILDING CODE
• 2018 INTERNATIONAL EXISTING BUILDING CODE
• 2018 INTERNATIONAL FIRE CODE
• 2017 NATIONAL ELECTRICAL CODE
• 2018 INTERNATIONAL MECHANICAL CODE
• 2018 INTERNATIONAL PLUMBING CODE
• 2018 INTERNATIONAL FUEL GAS CODE
• NFPA STANDARDS
1. 2010 NFPA 10 - PORTABLE FIRE EXTINGUISHERS
2. 2010 NFPA 13 - INSTALLATION OF SPRINKLER SYSTEMS
3. 2010 NFPA 14 - INSTALLATION OF STANDPIPES AND HOSE SYSTEMS
4. 2010 NFPA 72 - NATIONAL FIRE ALARM CODE
5. 2010 NFPA 110 - EMERGENCY AND STANDBY POWER SYSTEMS
• 2009 A117.1 ACCESSIBLE & USABLE BUILDINGS AND FACILITIES

CONSTRUCTION TYPE EXISTING: TYPE II-B
ADDITION: TYPE II-B
SPRINKLERING EXISTING: FULLY SPRINKLERED
ADDITION: TO BE FULLY SPRINKLERED

OCCUPANCY GROUP BUSINESS GROUP "B" EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE

ALLOWABLE HEIGHT 75'
ACTUAL HEIGHT 37'

ALLOWABLE # OF STORIES 4
ACTUAL # OF STORIES 2

ALLOWABLE BUILDING AREA
BASE ALLOWABLE 69,000 (B OCCUP SM)
FRONTAGE INCREASE (1 - 25) X 3000 = 75 OR 75%
MAX ALLOWABLE 69,000 + (23,000 x .75)
= 92,000 SF
ACTUAL BUILDING AREA

LEGEND - OCCUPANCY GROUP PLANS

X-X SINGLE USE OCCUPANCY GROUP TAG
150 SF
*TAG USED TO INDICATE OCCUPANCY GROUP AND GROSS BUILDING AREA PER STORY IN SF

MIXED-USE OCCUPANCY GROUP TAG
*TAG USED FOR SEPARATED, NON-SEPARATED, AND ACCESSORY USES

ASSIGNED OCCUPANCY GROUP OPTIONS:
SEP = SEPARATED
NON = NON-SEPARATED
ACC = ACCESSORY

X-X SEP 150 SF
PRIMARY OCCUPANCY GROUP FOR NON OR ACC OCCUPANCIES
GROSS BUILDING AREA PER STORY IN SF

OCCUPANCY GROUP PATTERNS

B BUSINESS
S1 STORAGE

DLR GROUP
© DLR Group
7290 W 133rd St
Overland Park, KS 66213
CA No. 00059



ARCHITECT
DLR GROUP
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STRUCTURAL ENGINEER
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MEP ENGINEERS
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AVITELECOM ACOUSTICS/
SECURITY DESIGNER
BRANCHPATTERN
1508 GRAND BOULEVARD
KANSAS CITY, MO 64108
P: (816) 531-2121

MCC AUTOMOTIVE INSTITUTE

METROPOLITAN COMMUNITY COLLEGE - LONGVIEW

PERMIT SET
03.29.24
REVISIONS
CITY COMMENTS 03.29.24

13-23128-00

BUILDING USE
ANALYSIS

CP0.1

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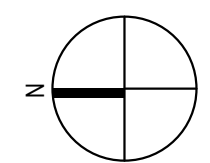
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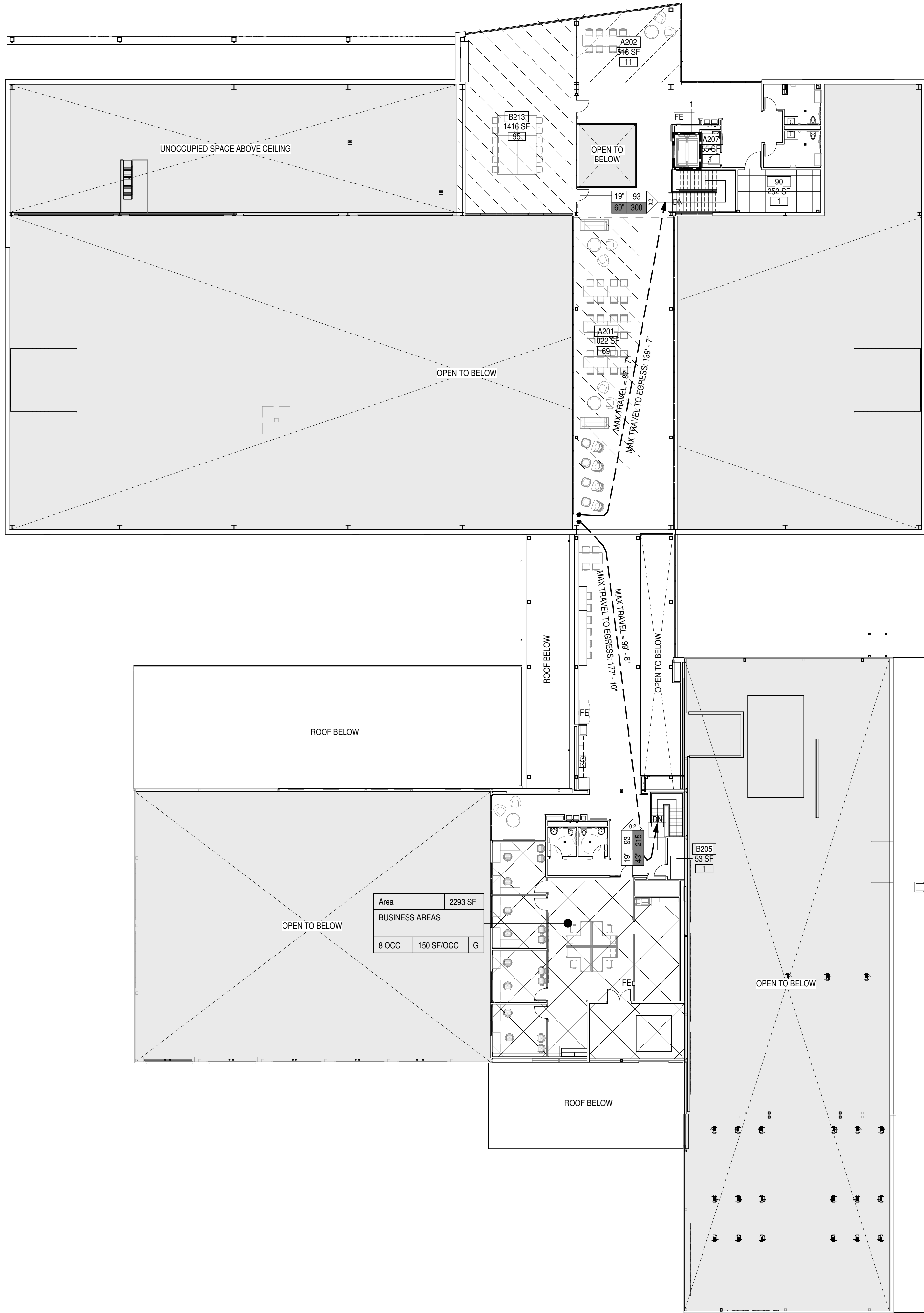
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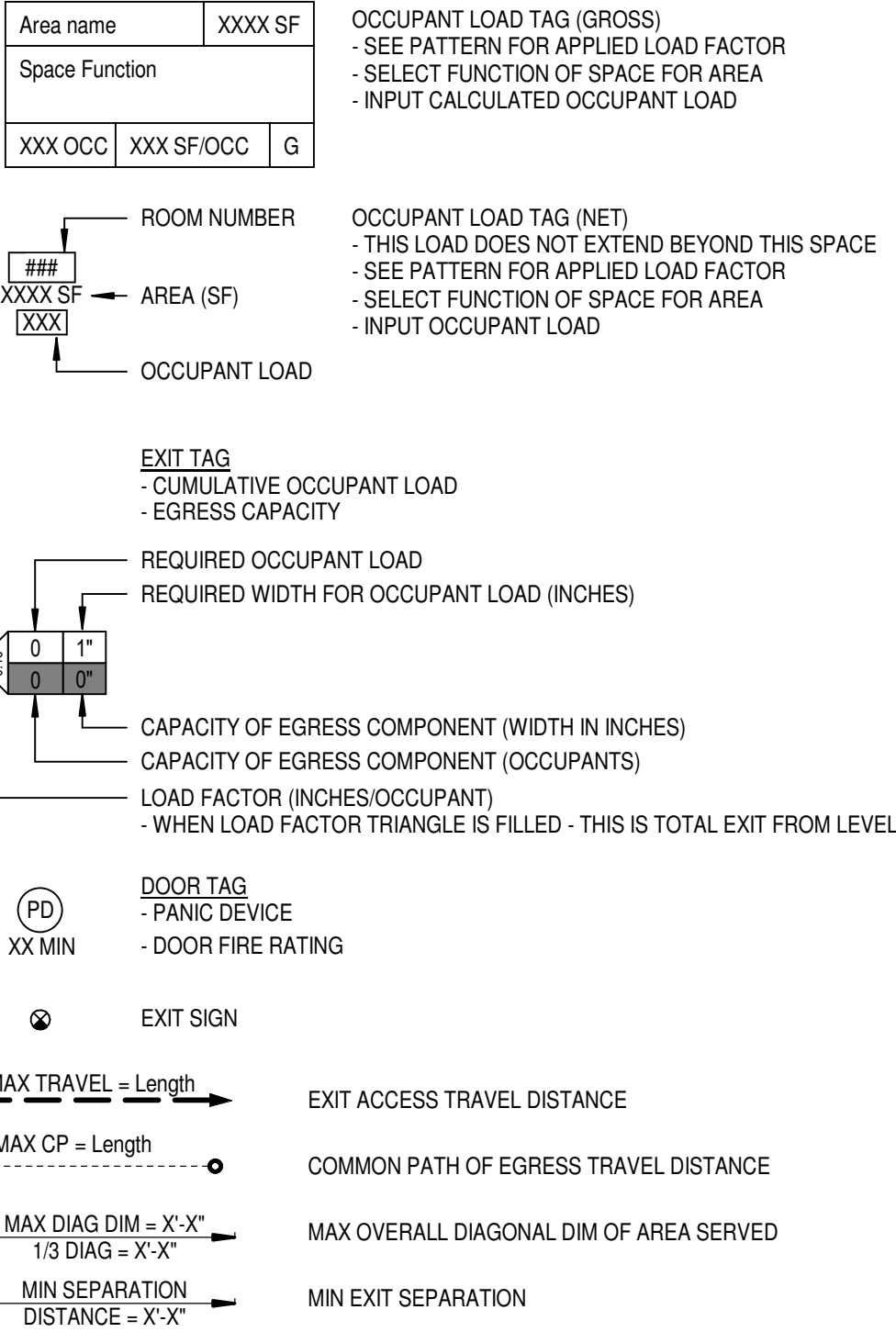


CP2all Code Floor Plan

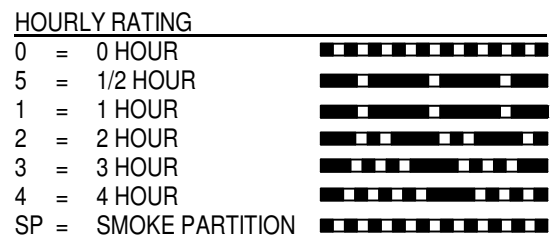
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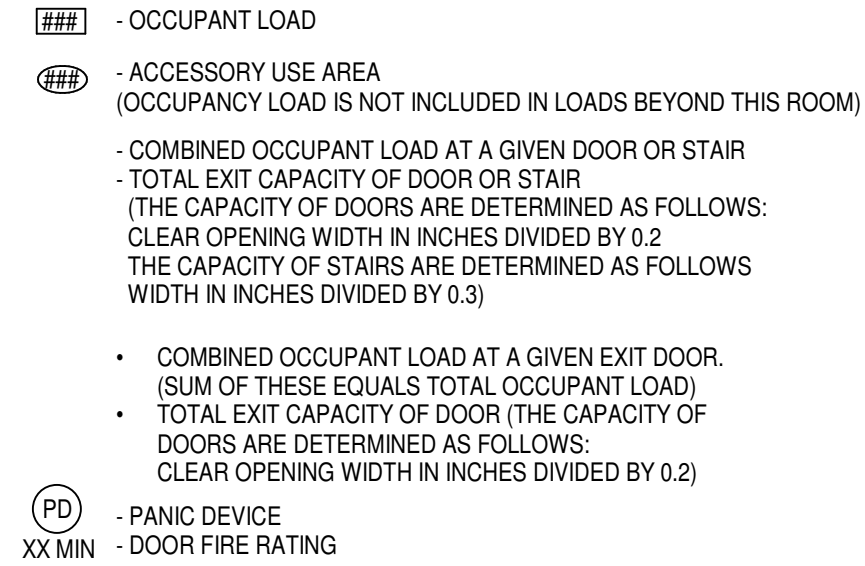
LEGEND - CODE FLOOR PLANS



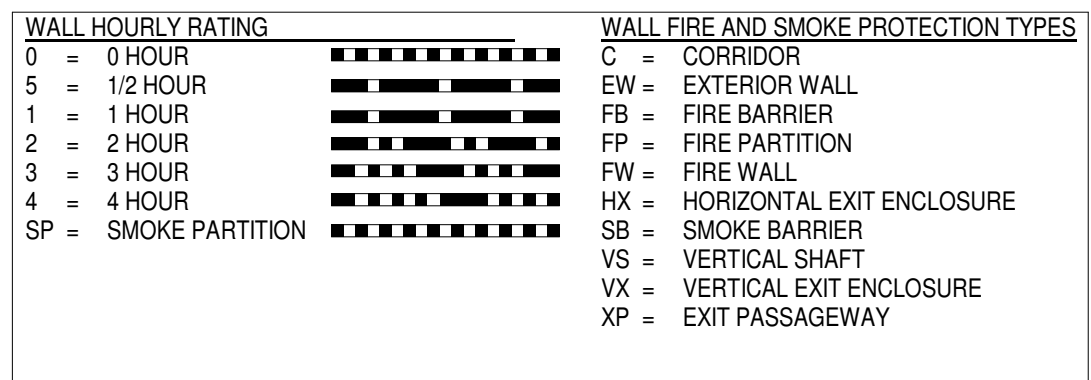
SEPARATION LEGEND



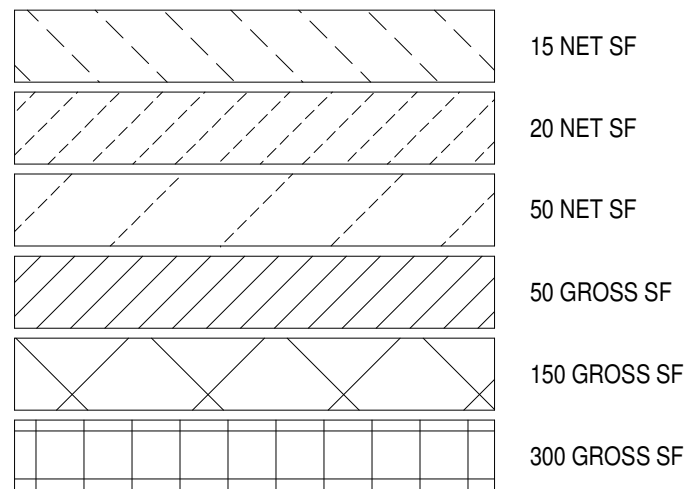
SYMBOL LEGEND



WALL SEPARATION LEGEND



OCCUPANT LOAD FACTOR PATTERNS



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500 SW LONGVIEW RD.
LEE'S SUMMIT, MO 64661

PERMIT SET
03.29.24
REVISIONS

13-23128-00

LEVEL 02 - CODE
PLAN

CP1.2