LEIS SUMMIT MIDDLE SCHOOL #4

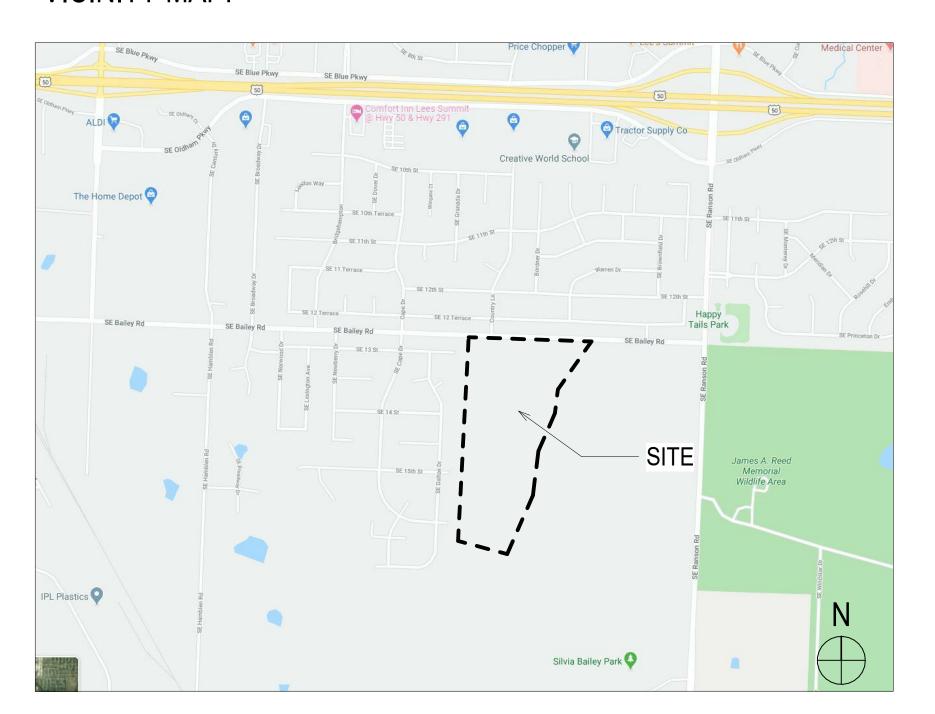
PACKAGE 2 - STRUCTURAL & SITE UTILITIES

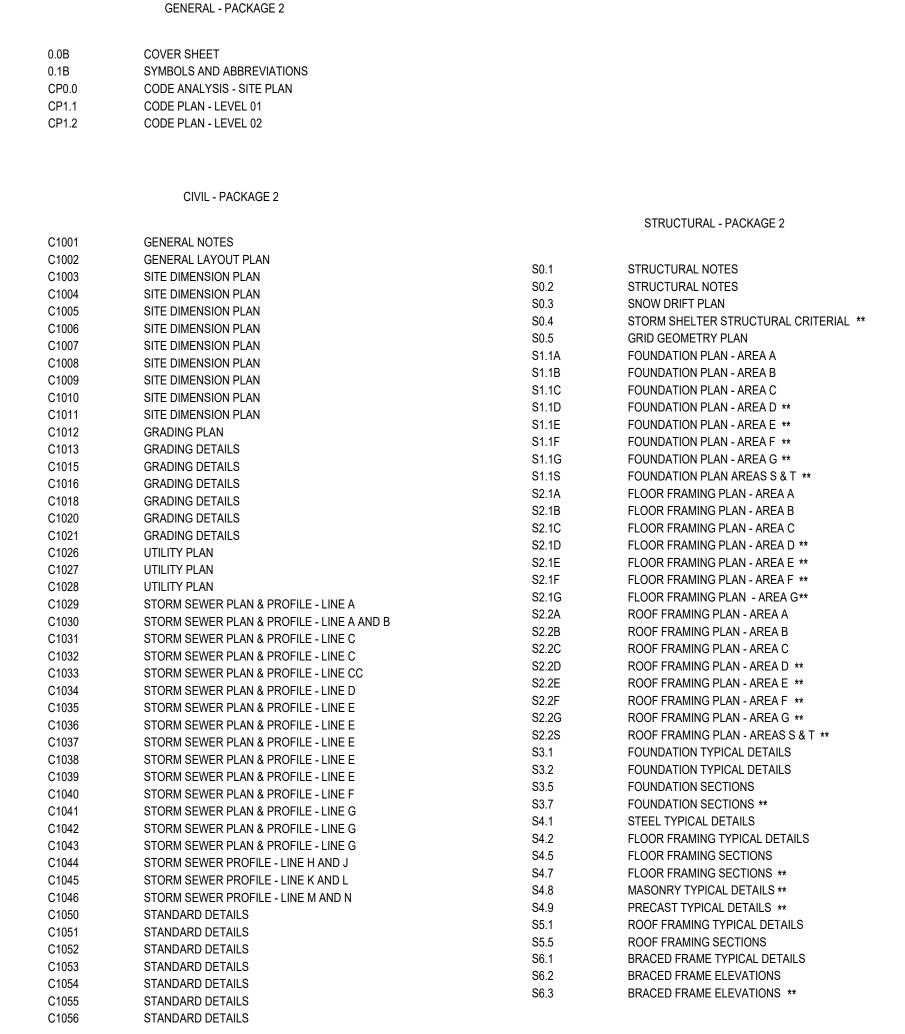
1001 SE BAILEY ROAD LEE'S SUMMIT, MO 64081

INDEX OF DRAWINGS

ISSUE FOR PERMIT - 08/28/2020

VICINITY MAP:





** FOR REFERENCE ONLY, NOT FOR CONSTRUCTION, UNDER

LEE'S SUMMIT R-7 SCHOOL DISTRICT 502 SE TRANSPORT DRIVE LEE'S SUMMIT, MO 64063

816.986.3415

ARCHITECT OF RECORD: CIVIL ENGINEER:

913.381.1170

DLR GROUP 7290 WEST 133RD ST 7301 WEST 133RD ST 7290 WEST 133RD ST OVERLAND PARK, KS 66213 OVERLAND PARK, KS 66213 OVERLAND PARK, KS 66213 LENEXA, KS 66214

913.897.7811

LANDSCAPE ARCHITECT: M.E.P. ENGINEER:

HENDERSON ENGINEERS DLR GROUP 8435 LENEXA DRIVE SUITE 300 7290 WEST 133RD ST

CONSTRUCTION MANAGER: STRUCTURAL ENGINEER: MCCOWNGORDON CONSTRUCTION 422 ADMIRAL BOULEVARD KANSAS CITY, MO 64106 OVERLAND PARK, KS 66213 816.877.0690 913.897.7811

COVER SHEET

13-20102-00

0.0B

12/09/2020

One Group

PACKAGE 2 -STRUCTURAL & SITE UTILITIES ISSUE FOR PERMIT

8/28/20

REVISIONS

RELEASE FOR CONSTRUCTION

Ξ S S E

PACKAGE 2 -STRUCTURAL & SITE UTILITIES ISSUE FOR PERMIT REVISIONS

13-20102-00 SYMBOLS AND

ABBREVIATIONS

0.1B

NORMAL WEIGHT CONCRETE EXP VERTICAL NUMBER **EXPANSION** EXP VESTIBULE AND **EXPOSED** VEST EXT EXTERIOR O to O VINYL FLOOR VOLITILE ORGANIC COMPOUND OA OVERALL VOC OC **FABRIC** ON CENTER VOL VOLUME ANCHOR BOLT FACE OF OFCI VENEER PLASTER AIR BARRIER OWNER FURNISHED CONTRACTOR INSTALLED ASBESTOS FIELD VERIFY OFF VINYL TILE OFFICE OWNER FURNISHED OWNER INSTALLED ADA ACCESSIBLE FABRICATE(D) OFOI VINYL WALL COVERING OPG(S) ACR ACRYLIC FACE BRICK OPENING(S) ACCESS DOOR FLOOR DRAIN OPP OPPOSITE WEST WIDE ADA AMERICANS WITH DISABILITY ACT FOUNDATION OSHA OPERATIONAL SAFETY AND HEALTH ADMINISTRATION WITH OTB ADDN OPEN TO BELOW ADDITION OR ADDITIONAL FIRE EXTINGUISHER WITHOUT ADJ ADJUSTABLE FIRE EXTINGUISHER CABINET OVFL OVERFLOW ADJT ADJACENT FINISH FLOOR OVHD OVERHEAD WALL BASE ADMINISTRATION WATER CLOSET ADMIN FIRE HYDRANT AEC AUTOMATED EXTERNAL DEFIBRILLATIORS FIRE HOSE CABINET WALL COVERING PAN B PANIC BOLT WATER CLOSET/LAVATORY COMBINATION AFF ABOVE FINISHED FLOOR **FIGURE** PAR AFG **FINISHED** PARALLEL WOOD ABOVE FINISHED GRADE WOOD FLOORING AHJ AUTHORITY HAVING JURISDICTION FIXTURE PARTICLE BOARD ALUMINUM FLOOR PRECAST CONCRETE WDW WINDOW FLASHING ALT ALTERNATE PCD POLISHED WIRE GLASS FLASH PAPER CUP DISPENSER ALUM ALUMINUM FLEX **FLEXIBLE** PCT PORCELAIN CERAMIC TILE WROUGHT IRON ANCH ANCHOR FLG FLOORING PANIC DEVICE WALK OFF MAT ANSI AMERICAN NATIONAL STANDARDS INSTITUTE WASTE RECEPTACLE FLM FULL LENGTH MIRROR PENTHOUSE ACCESS PANEL PERFORATED WEATHER RESISTANT BARRIER FLUORESCENT APC ACOUSTIC PANEL CEILING PERPENDICULAR WARM WHITE FINISH OPENING APPROX FOC WELDED WIRE FABRIC APPROXIMATE FACE OF CONCRETE PATTERN GLASS WWF ARCH FOF ARCHITECTURAL FACE OF FINISH PORTABLE INSTRUMENT CONNECTION ASPH ASPHALT FOM FACE OF MASONRY PIG PATTERN INSULATING GLASS YARD AUTO AUTOMATIC FOS FACE OF STUD PLATE **AVERAGE** PROPERTY LINE AVG FOW FACE OF WALL AWP ACOUSTIC WALL PANEL **FIREPROOFING** PLASTIC LAMINATE FIRE RESISTANT PLAM PLASTIC LAMINATE PLBG B.O. **BOTTOM OF** FIBERGLASS REINFORCED PANEL PLUMBING BCS BABY CHANGING STATION FIRE RESISTANCE TREATED PLYWD PLYWOOD PAIR BOARD FLOOR SINK PR BLDG BUILDING FOLDING SHOWER SEAT PREFAB PREFABRICATED BLOCK PROJECT(OR) (ION) BLK FEET BLOCKING FTG FOOTING PROJECTION SCREEN BLKG FUT BLKHD BULKHEAD **FUTURE** POINT FVC PTD BM(S) PAPER TOWEL DISPENSER BEAM(S) FIRE VALVE CABINET BOT BOTTOM FWC FABRIC WALL COVERING PTD/R COMBINATION TOWEL DISPENSER/RECEPTACLE PTN BRDG BRIDGING PARTITION PVC BRG BEARING **GROUT** POLYVINYL CHLORIDE BRKT BRACKET GAUGE PWL SOUND POWER LEVEL BSMT BASEMENT GALLON BATHTUB QUARRY TILE GALVANIZED BTWN BETWEEN GRAB BAR QTR RND QUARTER ROUND GENERAL CONTRACTOR QTY QUANTITY CHANNEL GARBAGE DISPOSAL CAB CABINET GENERAL **RADIUS** CANT CANTILEVER RUBBER BASE **GROSS FLOOR AREA** CAP CAPACITY GLUE LAMINATED REMOTE CONTROL CHALKBOARD REFLECTED CEILING PLAN CER CERAMIC GUARANTTED MAXIMUM PRICE **ROOF DRAIN** CUBIC FEET GOVERNMENT REFERENCE CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED **GUARD RAIL** REFLECTED CFSF COLD-FORMED STEEL FRAMING REM REMOVABLE GRADE CLEAR FLOAT GLASS REQ(D) REQUIRE(D) CG GALVANIZED RIGID STEEL CAST IRON GWB GYPSUM WALL BOARD RESIL RESILIENT CLEAR INSULATING GLASS REVISION(S) CAST IN PLACE RESILIENT FLOORING CONTROL JOINT HEIGHT RUBBER FLOOR CJA CONTROL JOINT ABOVE HOLLOW CORE RECESSED FLOOR MAT CENTER LINE HAND DRYER ROBE HOOK CLG RI&C HDBD CEILING HARDBOARD ROUGH IN AND CONNECT CLOS CLOSET HDR RM HEADER ROOM CLR CLEAR HDWD HARDWOOD RND ROUND CMU CONCRETE MASONRY UNIT HDWR HARDWARE COL SOUTH COLUMN **HOLLOW METAL** COM COMMON HORIZ HORIZONTAL SINK SPRAYED ACOUSTIC TREATMENT COMB SAT COMBINATION HOUR COMM COMMUNICATIONS HANDRAIL SAW SOUND ABSORBING WALL UNITS COMPR COMPRESSIBLE HARDWARE SET SPLASH BLOCK CONC HOLLOW STRUCTURAL SHAPE CONCRETE HSS SOLID CORE CONF CONFERENCE HEATING VENTILATING AND AIR CONDITIONING SHOWER CURTAIN CONFIG CONFIGURATION SEAT COVER DISPENSER CONN(S) THAT IS SCH SHOWER CURTAIN HOOK CONNECTION(S) CONST CONSTRUCTION IN ACCORDANCE WITH SCHED SCHEDULE IAW CONT CONTINUOUS INTERNATIONAL BUILDING CODE SCR SHOWER CURTAIN ROD CONTR CONTRACT(OR) SCT INSIDE DIAMETER STRUCTURAL CLAY TILE CORR SD CORRIDOR INSIDE FACE SOAP DISPENSER CP COVER PLATE SECT ISOLATION JOINT SECTION CPT CARPET IN JOIST SPACE SECY SECRETARY CHAIR RAIL SPANDREL GLASS INCH SINGLE COUNTERSINK INCLUDE(ING) SGL CSTJ CONSTRUCTION JOINT SHOWER INSUL INSULATION CSWK CASEWORK SHM SECURITY HOLLOW METAL INTERIOR SHT CT CERAMIC TILE SHEET CTG CLEAR TEMPERED FLOAT GLASS JANITOR SIMILAR CLEAR TEMPERED INSULATING GLASS CTIG JCT JUNCTION SLNT SEALANT CTR JFB JOINT FILLER BOARD SHEET METAL CENTER COPPER JOIST SANITARY NAPKIN DISPOSAL CUBIC JOINT SNV SANITARY NAPKIN VENDOR CU SPEC COMBINATION UNIT SPECIFICATION(S) CV CONDOM VENDOR KEYED CONSTRUCTION JOINT SPL SOUND PRESSURE LEVEL KCJ CUBIC YARD KNOCKDOWN SPL SPECIAL CYLINDER KITCHEN HOOD SQUARE CYL STAINLESS STEEL KITCHEN DEPTH SOLID SURFACE DECIBEL ANGLE STORM SHELTER AREA DBL DOUBLE LAB LABORATORY SSS STAINLESS STEEL SHELF DUST COLLECTOR DC LAM LAMINATED STONE STAIR DEG DEGREE LAV LAVATORY STAGGERED DEMO DEMOLISH OR DEMOLITION LB(S) POUND(S) STAG'D DEPR DEPRESS(ION)(ED) LBR LUMBER STC SOUND TRANSMISSION CLASS DEPT DEPARTMENT LDG LOADING STD STANDARD STGR STRINGER DET DETAIL LINEAR FOOT DET DETENTION LENGTH (LONG) STL STEEL DRINKING FOUNTAIN STOR STORAGE LAMINATED GLASS DOOR GRILLE LIN LINEAR STRUCT STRUCTURAL SUBFL DIA DIAMETER LINO LINOLEUM SUBFLOOR DIAG DIAGONAL LKR LOCKER SURF SURFACE DIMENSION LOC LOCATION SUSP SUSPENDED LONGITUDINAL SPECIFICATION DIVISION LONG SHEET VINYL SYM DOWN LSC LIFE SAFETY CODE SYMETRICAL LTG DPFG DAMPROFFING LIGHTING LOUVER TREAD DOOR LV DOWNSPOUT NOZZLE TONGUE AND GROOVE DSN LVT LUXURY VINYL TILE T&G T.O. DW DISHWASHER LWC LIGHT WEIGHT CONCRETE TOP OF TAN TANGENT DWG(S) DRAWING(S) DWL(S) DOWEL(S) THOUSAND TOWEL BAR DWR DRAWER TBD TACK BOARD MAGNETIC TCP MAINT MAINTENANCE TOILET COMPARTMENT PARTITION EAST MAN TEMP TEMPORARY MANUAL TERR EACH MASONRY TERRAZZO **EACH FACE** MATL MATERIAL TINTED FLOAT GLASS **EXPANSION BOLT** MAXIMUM THRESHOLD ELECTRICAL CONTRACTOR MOP BASIN TENANT IMPROVEMENT EACH END TINTED INSULATING GLASS MARKER BOARD EMERGENCY EYE WASH MOP/BROOM HOLDER TILT MIRROR UNIT **EEWS** TOP TOP OF PAVING EMERGENCY EYE WASH SHOWER MEDICINE CABINET EFF TRANS TRANSVERSE **EFFICIENCY** MECH MECHANICAL **EXPANSION JOINT** TERRAZZO TILE MEMBRANE ELEVATION MEZZ MEZZANINE TTD TOILET TISSUE DISPENSER ELAS **ELASTOMERIC** MFR TTG TINTED TEMPERED FLOAT GLASS MANUFACTURER ELEC TINTED TEMPERED INSULATING GLASS TTIG ELECTRICAL MANHOLE ELEV **ELEVATOR** MINIMUM TW TACK WALL **EMER** TYP **EMERGENCY** MISCELLANEOUS TYPICAL **ENCL ENCLOSURE** MIRROR WITH SHELF UNDERWRITERS LABORATORIES ENG **ENGINEER** MTD MOUNTED **ENTR** ENTRANCE MTG MOUNTING UNEX UNEXCAVATED **EQUAL** UNFIN UNFINISHED EQ MUL MULLION EQUIP **EQUIPMENT** UNO UNLESS NOTED OTHERWISE **EQUIV EQUIVALENT** NORTH UTILITY SHELF ERF EPOXY RESIN FLOORING NOT APPLICABLE ENERGY USE INTENSITY EUI NOISE CRITERIA UTIL UTILITY NATIONAL FIRE PROTECTION ASSOCIATION EW EACH WAY **EWC** ELECTRIC WATER COOLER NIC NOT IN CONTRACT VAPOR BARRIER

VINYL BASE

VENTED COVE BASE

VB

VCB

EXIST

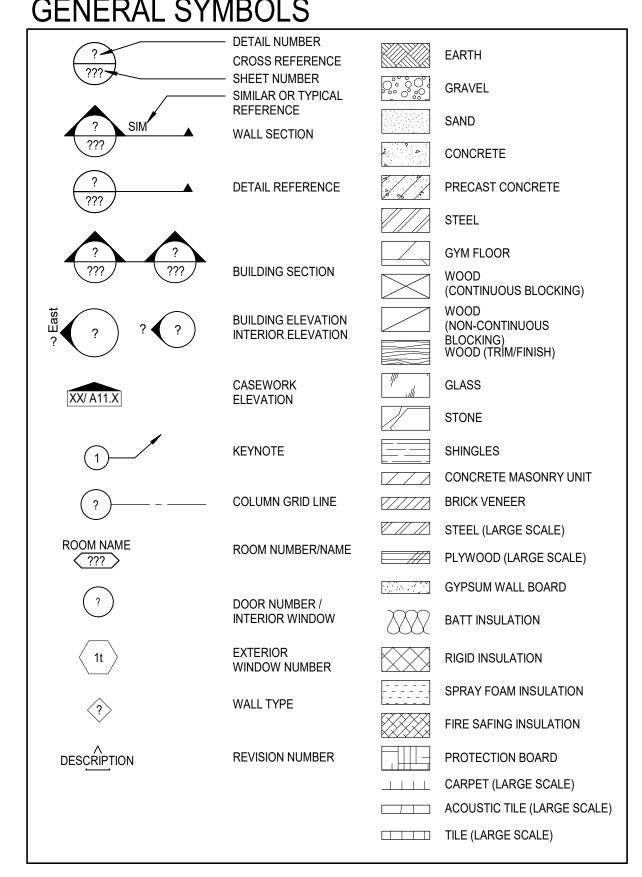
EXISTING

NOM

NOMINAL

NOT TO SCALE

GENERAL SYMBOLS



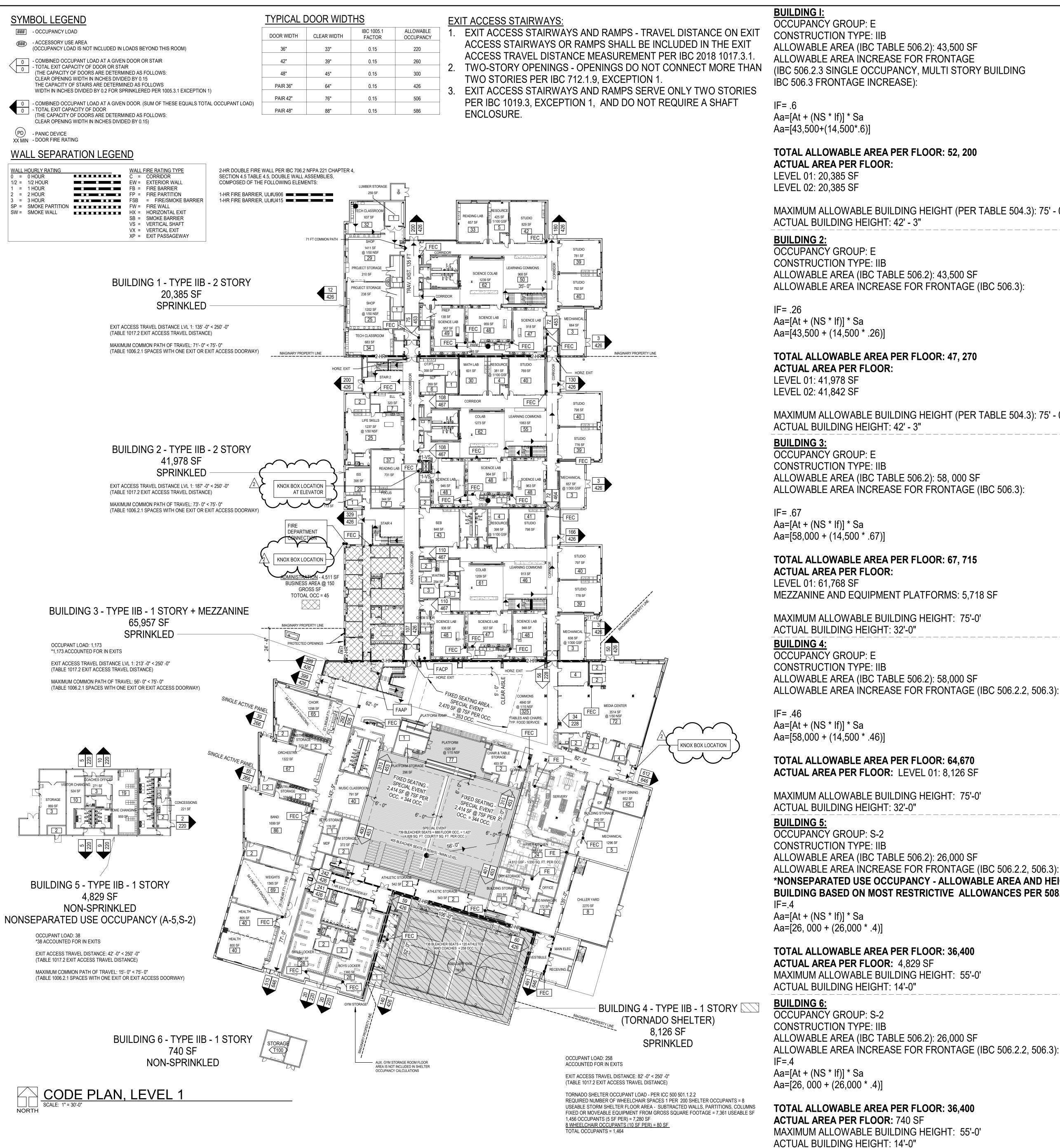
	PROPERTY LINE		AREA INLET
	LOT LINE	0	CURB INLET
	EASMENT LINE	•	MANHOLE
	BUILDING LINE, EXISTING	▲ OR	OBSERVATION RISER
lacksquare	BUILDING LINE, NEW W/DOOR	(HEAD WALL
100	OPENING AND STRUCTURAL STOOP	•	FLARED END
100	PRIMARY CONTOUR, EXISTING	● _{CO}	CLEAN OUT
99 :	PRIMARY CONTOUR, NEW]	CAP
—99 —	SECONDARY CONTOUR, EXISTING	\triangleright	THRUST BLOCK
OI ODE	SECONDARY CONTOUR, NEW	⊬	VALVE
% SLOPE DOWN	SLOPE, PAVEMENT	PIV	POST INDICATOR VALVE
~~~	DRAINAGE DITCH OR SWALE		REDUCER
	STREET CENTERLINE	(A)	MAGNESIUM ANODE
	CURB, THICKENED EDGE	) 	DIELECTRIC COUPLING
	CURB, EXISTING		CATHODIC TEST STATION
	CURB, NEW	$\otimes$	FIRE HYDRANT
	PAVING CONTRACTION JOINT	<b>Y</b> FH	POWER POLE
KCJ	PAVING KEYED CONSTRUCTION JOINT	<i>y</i> /	LIGHT POLE
KCT	PAVING TIED CONSTRUCTION JOINT	□—●	TELEPHONE MANHOLE
EJ	PAVING EXPANSION JOINT	•	TELEPHONE BOX
xx xx	FENCE, SECURITY		SPRINKLER HEAD, 360°
xx	FENCE, BARBED WIRE	•	SPRINKLER HEAD, 270°
	FENCE, CHAIN LINK	•	SPRINKLER HEAD, 180°
	FENCE, WOOD	•	,
_000	SEED LIMIT	0	SPRINKLER HEAD, 90°
00	SOD LIMIT	⊗ ^{QC}	QUICK COUPLING
CD	STORM DRAIN	$\bigcirc^{X}$ "	TREE, EXISTING DECIDUOUS
— SD——	SUBDRAIN	$\bigcirc^{X'}$	TREE, EXISTING CONIFER
<del></del>	SUBDRAIN, PERFORATED	and the same of th	SHADE TREE
<b></b>	SANITARY SEWER	( · )	
s	FORCE MAIN	EARWAY AND A	ORNAMENTAL TREE
—— FM ———	WATER	////.	DECIDUOUS TREE
—— W———	FIRE		
——F——	GAS	\\ \\	SHRUB
—— G ———	HIGH PRESSURE STEAM	, ~ · ~ ·	CLIPPED SHRUB
—— HPS ———	MEDIUM PRESSURE STEAM		
MPS	LOW PRESSURE STEAM		
—	UNDERGROUND ELEC/TELEPHONE		
- UGE/UGT	OVERHEAD POWER		
- —OHP— - —	LAWN SPRINKLER HOT LINE		
— нот——	LAWN SPRINKLER LATERAL		
I AT	LAVIA OLIMINELLI LATENAL		

RELEASE FOR
CONSTRUCTION
NOTED ON PLANS REVIEW
EVELOPMENT SERVICES

LEE'S SUMMIT, MISSOURI

CODE ANALYSIS -SITE PLAN

CP0.0



**BUILDING I**: **OCCUPANCY GROUP: E CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.3 SINGLE OCCUPANCY, MULTI STORY BUILDING IBC 506.3 FRONTAGE INCREASE): Aa=[At + (NS * If)] * SaAa=[43,500+(14,500*.6)] **TOTAL ALLOWABLE AREA PER FLOOR: 52, 200 ACTUAL AREA PER FLOOR:** LEVEL 01: 20,385 SF LEVEL 02: 20,385 SF MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3" **BUILDING 2: OCCUPANCY GROUP: E CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3) Aa=[At + (NS * If)] * Sa Aa=[43,500 + (14,500 * .26)] **TOTAL ALLOWABLE AREA PER FLOOR: 47, 270 ACTUAL AREA PER FLOOR:** LEVEL 01: 41,978 SF LEVEL 02: 41,842 SF MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3" **BUILDING 3: OCCUPANCY GROUP: E CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 58, 000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3): Aa=[At + (NS * If)] * Sa Aa=[58,000 + (14,500 * .67)] **TOTAL ALLOWABLE AREA PER FLOOR: 67, 715 ACTUAL AREA PER FLOOR:** LEVEL 01: 61,768 SF MEZZANINE AND EQUIPMENT PLATFORMS: 5,718 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' **ACTUAL BUILDING HEIGHT: 32'-0" BUILDING 4: OCCUPANCY GROUP: E** CONSTRUCTION TYPE: IIB ALLOWABLE AREA (IBC TABLE 506.2): 58,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): Aa=[At + (NS * If)] * SaAa=[58,000 + (14,500 * .46)]**TOTAL ALLOWABLE AREA PER FLOOR: 64,670 ACTUAL AREA PER FLOOR:** LEVEL 01: 8,126 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' **ACTUAL BUILDING HEIGHT: 32'-0" BUILDING 5**: OCCUPANCY GROUP: S-2 **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): *NONSEPARATED USE OCCUPANCY - ALLOWABLE AREA AND HEIGHT OF **BUILDING BASED ON MOST RESTRICTIVE ALLOWANCES PER 508.3.2.** Aa=[At + (NS * If)] * SaAa=[26, 000 + (26,000 * .4)] **TOTAL ALLOWABLE AREA PER FLOOR: 36,400 ACTUAL AREA PER FLOOR:** 4,829 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0' **ACTUAL BUILDING HEIGHT: 14'-0"** 

OWNER CONTACT: **WATER SUPPLY: CODES/REGULATIONS:** OCCUPANCY:

**PROJECT LOCATION:** 1001 SE BAILEY ROAD LEE'S SUMMIT, MO 64081

OWNER NAME: LEE'S SUMMIT R-7 SCHOOL DISTRICT

KYLE GORRELL, DIRECTOR LSR7 FACILITY SERVICES

OWNER ADDRESS: DEPARTMENT OF LEE'S SUMMIT SCHOOL DISTRICT **FACILITY SERVICES** 502 SE TRANSPORT DRIVE LEE'S SUMMIT, MO 64081

**COUNTY: JACKSON COUNTY** 

FIRE DEPARTMENT LEE'S SUMMIT FIRE DEPARTMENT

LEE'S SUMMIT WATER UTILITIES

**AUTHORITY HAVING JURISDICTION:** CITY OF LEE'S SUMMIT

ARCHITECT OF RECORD: DLR GROUP 7290 WEST 133RD STREET, OVERLAND PARK, KS 66213

BUILDING: 2018 IBC FIRE: 2018 INTERNATIONAL FIRE CODE MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE PLUMBING: 2018 INTERNATIONAL PLUMBING CODE **ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE** ACCESSIBLE STANDARD: ICC/ANSI A117.1-2017

**NEW CONSTRUCTION:** 

EDUCATIONAL GROUP E (SECTION 305): INSTRUCTIONAL AREAS CONSTRUCTION TYPE (SECTION 602): TYPE IIB ALLOWABLE HEIGHT (PER IBC TABLE 504.3): 75' - 0" ALLOWABLE NUMBER OF STORIES (PER TABLE 504.4): 3

**SEPARATION REQUIREMENTS: BUILDING SEPARATION** PER TABLE 706.4: 2-HOUR FIRE WALL *a. IN TYPE II CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE-RESISTANCE RATING

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 RECEPTION D100A FIRE ALARM CONTROL PANEL (FACP) - AT ELECTRICAL C116 SMOKE CONTROL SYSTEM: NOT APPLICABLE MANUAL ALARMS

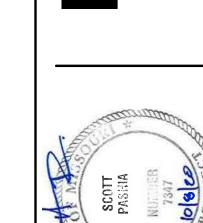
COMMUNICATIONS AND ELECTRICAL ROOMS: NO UPS PROVIDED, NO RACK OF BATTERIES PENETRATIONS THROUGH FLOORS (PIPING, CONDUIT, ETC.): ANNULAR SPACE AROUND

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

PLUMBING FIXTURES

I LOMBIN	O I IX I UILLO													.
		# OCCUPANTS		TS WC REQ'D		WC PROVIDED		LAV REQ'D		LAV PROVIDED		DRINKING FOUNTAINS		
		<u>M</u>	<u>w</u>	<u>M</u>	<u>w</u>	<u>M</u>	<u>w</u>	<u>M</u>	<u>w</u>	<u>M</u>	<u>w</u>	REQ'D.	PROV.	P. S
	IS BASED ON IPC 4.1 REQT'S. ED ON PROJECTED 1,200 Y COUNT	730	730	15	15	17	17	15	15	17	17	15	20	10 R 1 2
NOTES: COMPETITION SIMULTANEOUS USE F	ERFORMANCE SPECIAL EVENT  A AUXILLARY GYMS ARE NON- ROM STUDENT OCCUPANCY. PANTS SEATED ON BLEACHERS GE OCCUPANTS	714	714	6	12	12	12	4	4	7	7	3	6	
NOTES: COMPETITION NON-SIMULTANEOUS L OCCUPANCY. BASED (	THLETIC COMPETITION (ASSEMBLY)  I & AUXILLARY GYMS ARE  USE FROM STUDENT  ON 615 OCCUPANTS SEATED  25 ATHLETES AND OFFICIALS	370	370	3	6	12	12	2	2	7	7	2	6	,
OCCUPANT LOAD BASE 600 ATHLETIC EVENT C	IS BASED ON IPC 4.1 REQT'S. ED ON PROJECTED MAXIMUM	300	300	4	8	4	8	2	2	2	4	1	2	
260 FACULTY COUNT. STORM SHELTER FOR	ABLE 702.2. ED ON PROJECTED 1,200 STUDENT/ TO BE USED AS DESIGNATED STUDENT/FACULTY POPULATION. O ON ICC-500 REQUIREMENT FOR	730	730	3	3	3	3	1	1	1	1	-	-	

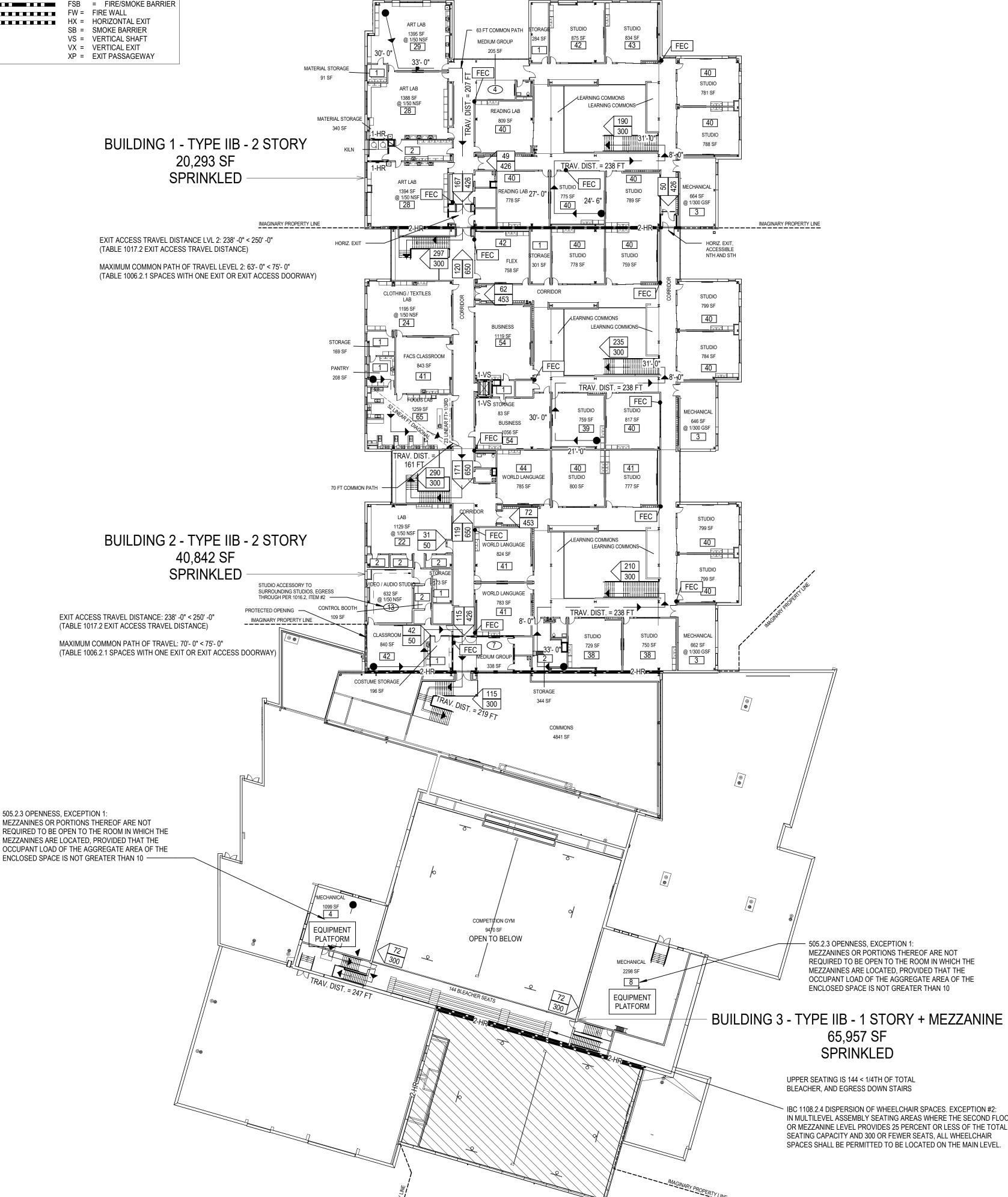
RELEASE FOR CONSTRUCTION LEE'S SUMMIT, MISSOUR



PACKAGE 3 - BUILDING &

13-20102-00 CODE PLAN -LEVEL 01

WALL F	HOURLY RATING	 WALL	FIRE RATING TYPE
0 =	0 HOUR	C =	CORRIDOR
1/2 =	1/2 HOUR	EW =	EXTERIOR WALL
1 =	1 HOUR	FB =	FIRE BARRIER
2 =	2 HOUR	FP =	FIRE PARTITION
3 =	3 HOUR	FSB	= FIRE/SMOKE BARRIEF
SP =	SMOKE PARTITION	FW =	FIRE WALL
SW =	SMOKE WALL	HX =	HORIZONTAL EXIT
		SB =	SMOKE BARRIER
		VS =	VERTICAL SHAFT
		VX =	VERTICAL EXIT
		XP =	EXIT PASSAGEWAY



**BUILDING I:** OCCUPANCY GROUP: E **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.3 SINGLE OCCUPANCY, MULTI STORY BUILDING IBC 506.3 FRONTAGE INCREASE): IF= .6 Aa=[At + (NS * If)] * Sa Aa=[43,500+(14,500*.6)] **TOTAL ALLOWABLE AREA PER FLOOR: 52, 200 ACTUAL AREA PER FLOOR:** LEVEL 01: 20,385 SF LEVEL 02: 20,385 SF MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3" **BUILDING 2:** OCCUPANCY GROUP: E **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3): IF= .26 Aa=[At + (NS * If)] * Sa Aa=[43,500 + (14,500 * .26)]**BUILDING 3:** 

**TOTAL ALLOWABLE AREA PER FLOOR: 47, 270 ACTUAL AREA PER FLOOR:** LEVEL 01: 41,978 SF LEVEL 02: 41,842 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3"

**OCCUPANCY GROUP: E CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 58, 000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3):

IF= .67 Aa=[At + (NS * If)] * Sa Aa = [58,000 + (14,500 * .67)]

**TOTAL ALLOWABLE AREA PER FLOOR: 67, 715 ACTUAL AREA PER FLOOR:** LEVEL 01: 61,768 SF MEZZANINE AND EQUIPMENT PLATFORMS: 5,718 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' ACTUAL BUILDING HEIGHT: 32'-0"

**BUILDING 4:** OCCUPANCY GROUP: E **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 58,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3):

IF= .46 Aa=[At + (NS * If)] * Sa Aa = [58,000 + (14,500 * .46)]

**TOTAL ALLOWABLE AREA PER FLOOR: 64,670 ACTUAL AREA PER FLOOR:** LEVEL 01: 8,126 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' **ACTUAL BUILDING HEIGHT: 32'-0"** 

**BUILDING 5**: OCCUPANCY GROUP: S-2 **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): *NONSEPARATED USE OCCUPANCY - ALLOWABLE AREA AND HEIGHT OF **BUILDING BASED ON MOST RESTRICTIVE ALLOWANCES PER 508.3.2.** IF=.4 Aa=[At + (NS * If)] * Sa Aa=[26,000 + (26,000 * .4)]

**TOTAL ALLOWABLE AREA PER FLOOR: 36,400 ACTUAL AREA PER FLOOR:** 4,829 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0' **ACTUAL BUILDING HEIGHT: 14'-0"** 

**BUILDING 6:** OCCUPANCY GROUP: S-2 **CONSTRUCTION TYPE: IIB** ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): IF=.4 Aa=[At + (NS * If)] * Sa Aa=[26, 000 + (26,000 * .4)]

**TOTAL ALLOWABLE AREA PER FLOOR: 36,400 ACTUAL AREA PER FLOOR:** 740 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0' **ACTUAL BUILDING HEIGHT: 14'-0"** 

**RELEASE FOR** CONSTRUCTION NOTED ON PLANS REVIE LEE'S SUMMIT, MISSOURI

PACKAGE 3 - BUILDING & REVISIONS

13-20102-00 CODE PLAN -LEVEL 02

CP1.2