WASHBURN UNIVERSITY

MABEE LIBRARY RENOVATION

GRAPHIC SYMBOLS

EXPANSION JOINT

CONTROL JOINT

FLOOR COVERING CHANGE

100'-0" SPOT ELEVATIONS IN FEET AND INCHES (OR ON SITE PLAN IN FEET AND DECIMALS)

NEW DOOR

EXISTING DOOR

101 (60) 101 DOOR MARK - REFERENCE DOOR AND FRAME SCHEDULE

LOCATION OF SYMBOL ON PAIR OF DOORS INDICATES THE ACTIVE LEAF

1 PLAN NOTES

1 A101 SECTION MARK:
1 = DETAIL NUMBER
A101 = SHEET NUMBER
WALL SECTION

6 A202 INTERIOR ELEVATION MARKER:
A202 = SHEET NUMBER
6 = DETAIL NUMBER

A201 6 BUILDING ELEVATION MARKER:
A201 = SHEET NUMBER
6 = DETAIL NUMBER

1 A101 SIM DETAIL MARKS:
1 = DETAIL NUMBER
A101 = SHEET NUMBER
SIM = SIMILAR

LEVEL 1 0'-0" ELEVATION MARK IN FEET AND INCHES

S1 STEEL FRAME MARK -
REFERENCE FRAME ELEVATIONS

A1 ALUMINUM FRAME MARK -
REFERENCE FRAME ELEVATIONS

1 GLASS TYPE - REFERENCE GLASS SCHEDULE ON SHEET A501

M12a (3) PARTITION MARK - REFERENCE PARTITION SCHEDULE ( ) INDICATES FIRE RATING OF WALL IN HOURS

TB - 4' MB - 6' TB - 4': TACKBOARD - 4' LENGTH.
MB - 6': MARKER BOARD - 6' LENGTH.
(NOTE: MOUNT BOTTOM @ 2'-6" AFF UNO)

PS - 8' IWB - 6' PS - 8': ELECTRIC PROJECTION SCREEN, 8'-0" IN LENGTH
IWB - 6': INTERACTIVE WHITE BOARD, 6'-0" (OWNER PROVIDED UNO)

D MASONRY CONTROL JOINT FROM BEARING TO TOP OF WALL.
DRYWALL CONTROL JOINT FROM BEARING TO TOP OF WALL. PROVIDE ON BOTH SIDES OF WALL.

MASONRY CONTROL JOINT FROM LINTEL BEARING TO TOP OF WALL OR BOND BEAM.
DRYWALL CONTROL JOINT FROM TOP OF OPENING TO TOP OF WALL. MASONRY OR DRYWALL CONTROL JOINT FROM BOTTOM OF OPENING TO WALL BEARING. PROVIDE ON BOTH SIDES OF WALL.

MASONRY DUMMY CONTROL JOINT. LOCATE SIMILAR TO CONTROL JOINT NOTE ABOVE.

8'-0" 8'-0" 8'-0" CASEWORK DESIGNATION: NUMBER INDICATES UNIT NUMBER SHOWN ON CASEWORK AXONS. REFERENCE SPECIFICATIONS.

EQUIPMENT OR FURNISHINGS SHOWN ON FLOOR PLANS. INDICATES FURNISHINGS BY OWNER (N.I.C.) ON FIXED EQUIPMENT PLANS

SIGN TYPE AND LOCATION SYMBOL

99'-10" FLOOR DRAIN (ELEVATION IN FEET AND INCHES WHERE INDICATED)

MOP/JANITOR SINK

WATERCLOSET, URINAL, LAVATORY (RESPECTIVELY)

DF(2) DF DRINKING FOUNTAIN - REFERENCE PLUMBING

FEC FEC.: FIRE EXTINGUISHER CABINET

A 1 COLUMN GRID NUMBERS AND/OR LETTERS

NOTE: REF. SITE PLAN LEGEND, ROOF PLAN LEGEND AND CEILING PLAN LEGEND FOR ADDITIONAL NOTES AND LEGENDS.

ABBREVIATIONS

NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL ABBREVIATIONS OF REFERENCED STANDARDS, AS WELL AS CONSTRUCTION SPECIFICATION INSTITUTE, UNIFORM DRAWINGS SYSTEM, REGULATORY AGENCIES, ASSOCIATIONS AND OTHERS.

AB	ANCHOR BOLT	MAS	MASONRY
ABV	ABOVE	MATL	MATERIAL
AD	ACTUAL DIM., ACCESS DOOR	MAX	MAXIMUM
ADJ	ADJACENT	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISH FLOOR	MDO	MEDIUM DENSITY OVERLAY
AHU	AIR HANDLING UNIT	MECH	MECHANICAL, MECHANISM
ALT	ALTERNATE	MFR	MANUFACTURER
ALUM	ALUMINUM	MIN	MINIMUM
ANCH	ANCHOR	MISC	MISCELLANEOUS
∠	ANGLE	MO	MASONRY OPENING
AR	ABUSE-RESISTANT	MTL	METAL
ARCH	ARCHITECTURAL		
@	AT	N	NORTH
AVG R	AVERAGE "R" FACTOR	NA	NOT APPLICABLE
		NIC	NOT IN CONTRACT
BD	BOARD	NO. #	NUMBER
BLDG	BUILDING	NOM	NOMINAL
BM	BEAM, BENCH MARK	NTS	NOT TO SCALE
BRG	BEARING	NWCMU	NORMAL WEIGHT CMU
BTM	BOTTOM		
BUR	BUILT-UP ROOFING	OA	OVERALL
		OCC	OCCUPANT, OCCUPANCY
CABT	CABINET	OC(S)	ON CENTER (STAGGERED)
CH	COAT HOOK	OD	OVERFLOW DRAIN
CIP	CAST-IN-PLACE	OFF	OFFICE
CJ	CONTROL JOINT	OPER	OPERAT(ING)OR, OPERABLE
℄	CENTER LINE	OPNG	OPENING
CLG	CEILING	OZ	OUNCE
CMU	CONCRETE MASONRY UNIT		
CMT	CERAMIC MOSAIC TILE	PARTN	PARTITION
CMP	CORRUGATED METAL PIPE	PBD	PARTICLE BOARD
CO	CLEAN OUT	PC	PORTLAND CEMENT, PIECE
COL	COLUMN	PERIM	PERIMETER
CONC	CONCRETE	PLAM	PLASTIC LAMINATE
COND	CONDITION	PNL	PANEL
CONST	CONSTRUCTION	PWD	PLYWOOD
CONT	CONTINUOUS, CONTINUE	PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PVMT	PAVEMENT
DF	DRINKING FOUNTAIN		
DIA	DIAMETER	QTY	QUANTITY
DIM	DIMENSION	QT	QUARRY TILE
DR	DOOR		
DWG(S)	DRAWING (S)	R&R	REMOVE & REPLACE
DS(Ø)	DOWNSPOUT (OUTLET)	R	RADIUS
DTL	DETAIL	RA	RETURN AIR
		RCP	REINFORCED CONCRETE PIPE
E	EAST	RD	ROOF DRAIN
EA	EACH	REF	REFER TO, REFERENCE
EJ	EXPANSION JOINT	REFL	REFLECTED
ELEC	ELECTRICAL	REINF	REINFORCING, REINFORCED
EL, ELEV	ELEVATION	REQ'D	REQUIRED
ENCL	ENCLOSURE	REV	REVERSED, REVISED
EQ	EQUAL	RJ	RUSTICATION JOINT
EQUIP	EQUIPMENT	RMS	ROOMS
EXP	EXPANSION	RO	ROUGH OPENING
EXT	EXTERIOR, EXTERNAL	RTU	ROOF TOP UNIT
EXIST, EX	EXISTING		
		S	SOUTH
FD	FLOOR DRAIN	SAN	SANITARY
FE	FIRE EXTINGUISHER	SC	SAWCUT
FEC	FIRE EXTINGUISHER CABINET	SD	SOAP DISPENSER
FHC	FIRE HOSE CABINET	SECT	SECTION
FIN	FINISH	SF	SQUARE FOOT
F	FLOWLINE	SFCMU	SPLIT FACE CMU
FL,FLR	FLOOR	SHT	SHEET
FLRG	FLOORING	SIM	SIMILAR
FND	FOUNDATION	SND	SANITARY NAPKIN DISPENSER
FOS	FACE OF STRUCTURE		& DISPOSER
FR	FIRE RATED, FIRE RESISTIVE	SPEC(S)	SPECIFICATION(S)
FS	FLOOR SINK, FOOD SERVICE	SQ	SQUARE
FT	FEET OR FOOT	SS	STAINLESS STEEL
FV	FIELD VERIFY	STD	STANDARD
		STL	STEEL
GA	GAUGE	STRUCT	STRUCTURAL, STRUCTURE
GALV	GALVANIZED	SUSP	SUSPENSION
GC	GENERAL CONTRACTOR	SYM	SYMMETRICAL
GEN	GENERAL		
GI	GALVANIZED IRON	TB	TACKBOARD
GL	GLASS	TD	TOWEL DISPENSER & DISPOSER (PAPER) OR TRENCH DRAIN
GYP	GYPSUM	T&G	TONGUE AND GROOVE
HC	HANDICAPPED (ACCESSIBLE)	TEMP	TEMPERED, TEMPORARY
HD	HAND DRYER	TEXT	TEXTURED
HDWE	HARDWARE	TLT	TOILET
HD WD	HARD WOOD	TP	TOILET PAPER DISPENSER
HM	HOLLOW METAL	TPL	TWO PERSON LOCKER
HT	HEIGHT	TRANS	TRANSFORMER, TRANSITION
HORIZ	HORIZONTAL, HORIZONTALLY	TYP	TYPICAL
HPL	HIGH PRESSURE LAMINATE		
HR	HOUR	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING VENTILATING & AIR CONDITIONING	US	URINAL SCREEN
ID	INSIDE DIAMETER	VCT	VINYL COMPOSITION TILE
INSUL	INSULATION	VERT	VERTICAL, VERTICALLY
INT	INTERIOR	VWC	VINYL WALL COVERING
IWB	INTERACTIVE WHITE BOARD	W	WEST
		W/	WITH
JB	JUNCTION BOX	WC	WATER CLOSET
JT(S)	JOINT(S)	WD	WOOD
		WDW	WINDOW
LT WT	LIGHTWEIGHT	W/O	WITH OUT
LT	LIGHT	WO	WHERE OCCURS
LWCMU	LIGHTWEIGHT CONCRETE MASONRY UNIT	WT	WEIGHT
		WPG	WATERPROOFING

PARTITION TYPES

GYPSUM

4 1/4" G4a

GYPSUM BOARD PARTITION:
3 5/8" METAL STUDS @ 16" OC - COVER EXPOSED SIDE WITH 5/8" GYPSUM BOARD. EXTEND PARTITION TO UNDERSIDE OF DECK AND FILL VOIDS WITH ACOUSTICAL INSULATION. FILL CAVITIES WITH ACOUSTICAL INSULATION.

4 7/8" G5a

GYPSUM BOARD PARTITION:
3 5/8" METAL STUDS @ 16" OC - COVER EACH SIDE WITH 5/8" FR GYPSUM BOARD. EXTEND PARTITION TO UNDERSIDE OF DECK AND FILL VOIDS WITH SAFING INSULATION. FILL CAVITIES WITH ACOUSTICAL INSULATION.
FIRE RATED PARTITION - UL #U419 (WHERE INDICATED)

4 7/8" G5b

GYPSUM BOARD PARTITION:
3 5/8" METAL STUDS @ 16" OC - COVER EACH SIDE WITH 5/8" GYPSUM BOARD. EXTEND PARTITION TO 4" ABOVE CEILING. FILL CAVITIES WITH ACOUSTICAL INSULATION.

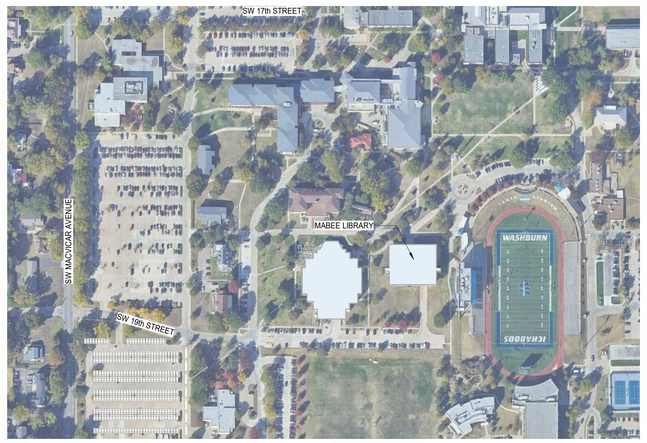
4 7/8" G6a

GYPSUM BOARD & LEAD PARTITION:
3 5/8" METAL STUDS @ 16" OC - COVER WITH 5/8" LEAD LINED GYPSUM BOARD & OTHER SIDE WITH 5/8" GYPSUM BOARD. EXTEND PARTITION TO UNDERSIDE OF DECK AND FILL VOIDS & CAVITIES WITH ACOUSTICAL INSULATION.

PARTITION SCHEDULE NOTES

GYPSUM BOARD GENERAL NOTES

1. UNLESS NOTED OTHERWISE, EXTEND GYPSUM BOARD TO UNDERSIDE OF STRUCTURAL DECK ABOVE.
2. REFER TO SPECIFICATIONS SECTIONS 054000 AND 092216 FOR ADDITIONAL REQUIREMENTS.
3. UNLESS NOTED OTHERWISE, PROVIDE 4" ACOUSTICAL INSULATION IN CAVITIES OF ALL PARTITIONS.
4. FRAME AROUND DUCTWORK, BACK BRACE AS REQUIRED FOR STABILITY.
5. REFER TO HOLLOW METAL FRAME DETAILS FOR ADDITIONAL DETAIL REQUIREMENTS.
6. EXTEND STUDS TO TOP RUNNER ATTACHED TO STRUCTURE ABOVE, OR BACK BRACE TO STRUCTURE AS NECESSARY TO FULLY STABILIZE THE PARTITIONS.
7. REFER TO COLUMN DETAILS FOR ADDITIONAL DETAIL REQUIREMENTS.
8. REFER TO FINISH SCHEDULE FOR WALL FINISH.
9. ALL PENETRATIONS THROUGH GYPSUM BOARD PARTITIONS EXPOSED TO VIEW WILL BE TRIMMED NEAT AND TRUE AND SEALED.
10. WHEN PARTITION EXTENDS TO STEEL BEAM ABOVE, FILL VOIDS BETWEEN DECK AND TOP OF STEEL BEAM WITH SAFING INSULATION.
11. WHERE JOISTS PENETRATE PARTITIONS EXTENDING TO STRUCTURE ABOVE, HOLD PARTITIONS 3/4" CLEAR OF JOIST TO ALLOW FOR DEFLECTION AND FILL VOID WITH SAFING INSULATION.



PROJECT LOCATION NORTH

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX.: 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000	-1	CONCRETE	092900	-1	GYPSUM BOARD (")
	-2	CONCRETE FLOOR SLAB		-2	FIRE RATED GYPSUM BOARD (")
	-3	VAPOR BARRIER		-3	CEMENTITIOUS TILE BACKER PANEL
	-4	WELDED WIRE FABRIC		-4	METAL SUSPENSION SYSTEM
	-5	STEEL REINFORCING BAR		-5	ACOUSTICAL SEALANT
055000	-1	STEEL ANGLE		-6	ACOUSTICAL INSULATION(")
	-5	STEEL LINTEL		-7	METAL EDGE TRIM
	-8	STEEL PLATE		-8	AUXILIARY SUPPORT FRAMING
061000	-2	2X WOOD BLOCKING (")		-10	HIGH IMPACT GYPSUM BOARD
	-4	PLYWOOD BACKER		-11	INTERIOR FINISHING COMPOUND
064116	-1	PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS	093013	-2	GLAZED WALL TILE ("X")
	-3	CABINET LINER LAMINATE		-4	PORCELAIN FLOOR TILE ("X ")
	-5	PLYWOOD		-9	METAL EDGE STRIP
	-6	3MM EDGE MOLDING		-10	ACOUSTICAL PANEL ('X')
	-10	DOOR HINGE	095113	-1	CEILING SUSPENSION SYSTEM
	-11	DOOR/DRAWER PULL		-2	EDGE MOLD TRIM
	-12	MAGNETIC CATCH		-3	EDGE MOLD TRIM
	-13	DRAWER		-4	AUXILIARY SUPPORT FRAMING
	-14	SHELF SUPPORTS	096513	-1	RESILIENT WALL BASE
	-15	COUNTERTOP SUPPORT BRACKET		-2	EDGE STRIP
072100	-4	BUILDING INSULATION - FACED (R-)	096516	-1	RESILIENT SHEET FLOORING
	-5	SILL SEALER	096519	-1	RESILIENT FLOOR TILE
	-6	SAFING INSULATION	096813	-1	CARPET TILE
076200	-1	SHEET METAL FLASHING AND COUNTERFLASHING	097200	-1	WALL COVERING
			099123	-1	INTERIOR PAINT
079200	-1	JOINT SEALANT - RAKE	101100	-1	MARKERBOARD
	-2	JOINT FILLER		-2	TACKBOARD
	-3	GASKET	101400	-1	DIMENSIONAL LETTER SIGNAGE
	-4	BACKER ROD	102113.17-1		PHENOLIC CORE TOILET COMPARTMENT
081113	-2	HOLLOW METAL FRAME	102600	-1	CORNER GUARD
	-3	FRAME ANCHOR		-2	FRP IMPACT-RESISTANT WALLCOVERING
081416	-1	FLUSH WOOD DOOR	102800	-1	SOAP DISPENSER
083113	-1	ACCESS DOOR		-2	TOILET TISSUE DISPENSER
	-2	ACCESS DOOR FRAME		-3	PAPER TOWEL DISPENSER
084113	-1	ALUMINUM ENTRANCE DOOR		-4	FRAMED MIRROR
	-2	ALUMINUM STOREFRONT FRAME		-6	SANITARY NAPKIN DISPOSER
				-7	GRAB BAR
088000	-1	GLAZING (AS SCHEDULED)		-14	DIAPER CHANGING STATION
092216	-1	STEEL STUD (")	104413	-1	FIRE EXTINGUISHER CABINET
	-2	STEEL STUD RUNNER (")	122413	-1	ROLLER WINDOW SHADES
	-3	FURRING CHANNEL	123533.13 -1		METAL LABORATORY CASEWORK
			123661.16-1		SOLID SURFACE COUNTERTOP
			134900	-1	LEAD LINED GYP. BD.
				-2	LEAD GLASS
				-3	HOLLOW METAL FRAME
				-4	LEAD LINED WOOD DOOR

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN SPECIFICATIONS AND DRAWINGS, BETWEEN MULTIPLE SPECIFICATION SECTIONS AND/OR BETWEEN MULTIPLE DRAWINGS. THE ARCHITECT WILL DETERMINE WHICH SHALL GOVERN.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE JOB SITE INCLUDING UTILITIES AND EXISTING STRUCTURES PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION INCLUDING ALL SHORING AND BRACING REQUIRED TO RESIST REQUIRED VERTICAL AND LATERAL FORCES.
4. ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS ARE FROM FACE OF CONCRETE, MASONRY AND FINISHED DRYWALL.
5. HORIZONTAL MASONRY DIMENSIONS FROM OUTSIDE TO OUTSIDE CORNERS ARE ACTUAL. WHEN DIMENSIONS ARE 2'-8" OR LESS, CONSTRUCT ONE JOINT LESS THAN DIMENSION SHOWN.
6. GYPSUM BOARD PARTITIONS ARE TYPE G5a UNLESS INDICATED OTHERWISE.
7. CONTRACTOR SHALL PROVIDE 3½" HIGH CONCRETE CURBS AT ALL ELECTRICAL PANELS AND WHERE 2 OR MORE CONDUITS ARE EXPOSED AT THE FLOOR LINE.
8. CONTRACTOR SHALL SIZE, FORM, DOWEL AND POUR INTERIOR AND EXTERIOR BASES FOR MECHANICAL AND ELECTRICAL EQUIPMENT (3½" AT INTERIOR LOCATIONS AND 5½" AT EXTERIOR LOCATIONS UNLESS INDICATED OTHERWISE). REFER TO GENERAL PROVISIONS OF MECHANICAL SPECIFICATIONS FOR MINIMUM SIZES. UNLESS INDICATED OTHERWISE, REINFORCE WITH 4"x4" – W4.0xW4.0 WWF.
9. NO WALL FINISH OTHER THAN PAINT IS REQUIRED BEHIND CABINETS, CHALKBOARDS, TACKBOARDS, ETC UNLESS WALL BEHIND IS EXPOSED TO VIEW AND/OR WHERE NOTED OTHERWISE.
10. PROVIDE WALL BASE AT ALL CABINETS, SHELVING AND COLUMNS; AND AS SCHEDULED.
11. PROVIDE LINTELS (REF. STRUCTURAL AND MISC. LINTEL SCHEDULE) FOR ALL OPENINGS IN MASONRY WALLS FOR FIRE EXTINGUISHER CABINETS, LOUVERS, GRILLES, DOORS, ETC.
12. CONTINUE CONTROL JOINTS, INCLUDING SEALANTS, ABOVE CEILING ELEVATIONS FOR FULL HEIGHT OF WALL OR PARTITION.
13. PROVIDE 2x6 FIRE-RETARDANT TREATED BLOCKING IN GYPSUM BOARD PARTITIONS BEHIND CASEWORK, BLOCK AT TOP OF BASE UNITS, TOP & BOTTOM OF WALL UNITS, TOP AND MID-HEIGHT OF TALL UNITS. PROVIDE 2x6 FIRE-RETARDANT TREATED BLOCKING IN GYPSUM BOARD PARTITIONS BEHIND GRAB BARS, DOOR STOPS, WALL-MOUNTED SHELVING, WALL-MOUNTED TVs AND OTHER LOCATIONS AS SPECIFIED OR NOTED. CUT TO FIT SNUGLY BETWEEN STUDS & KERF AT STUD FLANGES TO FIT FIRMLY TO BACK OF DRYWALL.
14. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REINFORCING STEEL IN MASONRY WALLS AND POURED CONCRETE.
15. REFER TO CODE COMPLIANCE PLANS FOR FIRE RATINGS OF PARTITIONS AND SMOKE BARRIER LOCATIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF PARTITIONS AND BARRIERS TO COMPLY WITH RATINGS INDICATED.
16. PROVIDE PAINT FINISH ON ALL EXPOSED BARE, PRIMED, OR GALVANIZED STEEL SURFACES ON BUILDING EXTERIOR AND SITE ELEMENTS. PAINT TYPE SHALL BE COMPATIBLE WITH SUBSTRATE IF' NOT INDICATED OTHERWISE IN PROJECT SPECIFICATIONS.
17. PROVIDE SEALANT IN ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
18. WALLS REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS MUST BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED FLOOR, FLOOR-CEILING, OR ATTIC SPACES. SUCH IDENTIFICATION SHALL:
   A. BE LOCATED WITH 20 FEET OF THE END OF EACH WALL AND INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION ON ONE WALL/PARTITION SIDE ONLY.
   B. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH MINIMUM 3/8" STROKE IN CONTRASTING COLOR INCORPORATING THE WORDS: "**FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS.**"

MATERIALS

EARTH

SAND

GRANULAR FILL/DRAINAGE MATERIAL

ASPHALT PAVING

CONCRETE (ELEVATION/SECTION)

PRECAST CONC/PC, PLASTER/CUT STONE

GROUT

CONCRETE MASONRY UNIT AS NOTED

INSULATION - FOUNDATION

INSULATION - WALL

STEEL

WOOD FRAMING OR BLOCKING

FINISH WOOD

PLYWOOD

TILE

INSULATION - ROOF

INSULATION- BATT

GLASS (ELEVATION/SECTION)

GYPSUM BOARD (ELEVATION/SECTION)

PARTICLE BOARD

ACOUSTICAL CEILING PANEL OR TILE

STONE (ELEVATION/SECTION)

CAVITY DRAINAGE

PROJECT CONTACTS

OWNER
Washburn University
1700 SW College Ave.
Topeka, KS 66621
PROJECT CONTACT
Tamara Hampton
(785) 670-1848

ARCHITECT
HTK Architects
900 S. Kansas Ave., Suite 200
Topeka, KS 66612
PROJECT CONTACT
Maria Kutina & Louis Weishaar
(785) 266-5373

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER
Latimer Sommers & Associates
3639 SW Summerfield Dr., Suite A
Topeka, KS 66614
PROJECT CONTACT
Jim Latimer & Kyle Wilk
(785) 233-3232

CONSTRUCTION MANAGER
MCP Build
3501 SW Fairlawn Rd
Topeka, KS 66614
PROJECT CONTACT
TBD
(785) 273-3880

SHEET INDEX

HTK ARCHITECTS
900 S. KANSAS AVE., SUITE 200 TOPEKA, KANSAS 66612 P 785.266.5373
8300 W 110TH ST., STE. 150 OVERLAND PARK, KANSAS 66210 P 913.663.3373
www.htkarchitects.com

MARIA R. KUTINA LICENSED 6833 07/16/2024 KANSAS ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- TITLE SHEET

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
G101

ORIGINAL CONTRACT DOCUMENTS

GENERAL INFORMATION:

LOCATION: MABEE LIBRARY
1800 SW 19th Street
Topeka, KS 66621

AGENCY INFORMATION: WASHBURN UNIVERSITY
1700 SW College Ave.
Topeka, KS 66621

REASON FOR SUBMITTAL: Renovation

RESPONDING FIRE DEPARTMENT: Topeka Fire Department

AUTHORITIES HAVING JURISDICTION: City of Topeka

PROJECT DESCRIPTION:

RENOVATION OF 3 FLOORS OF EXISTING STRUCTURE FOR OFFICES AND CLASSROOMS.

APPLICABLE CODES:

2021- International Building Code
2021- International Fire Code
2018- International Residential Code
2021- International Existing Building Code
2015- Uniform Mechanical Code
2018- Uniform Plumbing Code
2018- International Fuel Gas Code
2021- International Energy Conservation Code
2010- ADAAG

NFPA 10-2018
NFPA 13- 2016
NFPA 14- 2016
NFPA 25- 2017
NFPA 70- 2017 (National Electrical Code)
NFPA 72- 2016 (National Fire Alarm Code)
NFPA 101- 2018
NFPA 110- 2016
NFPA 241- 2013
Kansas Fire Prevention Code
Kansas State Boiler Code KSA 44-913

State Law establishes a minimum Life Safety and has a uniform effect throughout the State. KSA 31-133 and KSA 2003 Supp. 31-134 require that all occupied structures conform to the basic life safety requirements:
A) Existing occupied buildings cannot have hazardous conditions which slow speedy exits.
B) Alteration of existing buildings cannot make existing conditions worse or block exits.
C) New construction and changes in use are subject to greater life safety requirements.

OCCUPANCY & CONSTRUCTION TYPE:

Occupancy Type: B (Business), A-2 (Cafe), A-3 (Conference-Accessory use to B), S-1 (Storage)
Separation: Not required per 508.2 - Accessory Occupancies

Construction Type: II-B

GENERAL BUILDING LIMITATIONS:

Construction Type II-B Structural Fire Ratings	Table 601
Structural frame including columns, girders & trusses:	0 HR
Bearing exterior walls:	0 HR
Bearing interior walls:	0 HR
Nonbearing exterior walls & partitions:	0 HR
Nonbearing interior walls & partitions:	0 HR
Floor construction including supporting beams & joists:	0 HR
Roof construction including supporting beams & joists:	0 HR

ACTIVE LIFE SAFETY SYSTEMS: REQUIRED / PROVIDED:

Fire Alarm:	YES / YES
FACP:	YES / YES
Remote Annunciator Panel:	NO / NO
Smoke Detection:	YES / YES
MNS:	NO / NO
Exit Signs:	YES / YES
Egress Lighting:	YES / YES
Emergency Lights:	BATTERY BACKUP PROVIDED
Backup Power:	NO / NO
Suppression- Standpipes:	NO / NO
Suppression- Automatic:	NO / NO
Fire Extinguishers:	YES / YES

PASSIVE LIFE SAFETY SYSTEMS:

Corridor Ratings:	Required/Provided: 0 Hour
Stairwells:	Required/Provided: 2 HR / 2 HR
Shafts:	Required/Provided: 2 Hour
Occupancy Separations:	A/B - 0 Hour per 508.2. Aggregate accessory occupancies do not occupy more than 10% of the floor area. B/S - 0 Hour

ACTUAL BUILDING AREA:
Gross Sq.Ft.: B:
Lower Level: 13,779 sq. ft.
Main Level: 15,516 sq. ft.
Upper Level: 19,464 sq. ft.

ACTUAL BUILDING HEIGHT:
3 Stories
39'

ALLOWABLE BUILDING AREA:
B Occupancy
Lower Level: 23,000 sq. ft.
Main Level: 23,000 sq. ft.
Upper Level: 23,000 sq. ft.

ALLOWABLE BUILDING HEIGHT:
3 Stories
55'

TRAVEL DISTANCE: Allowable = 250 ft.
COMMON PATH OF EGRESS: Allowable = 75 ft.

PLUMBING FIXTURE COUNT:

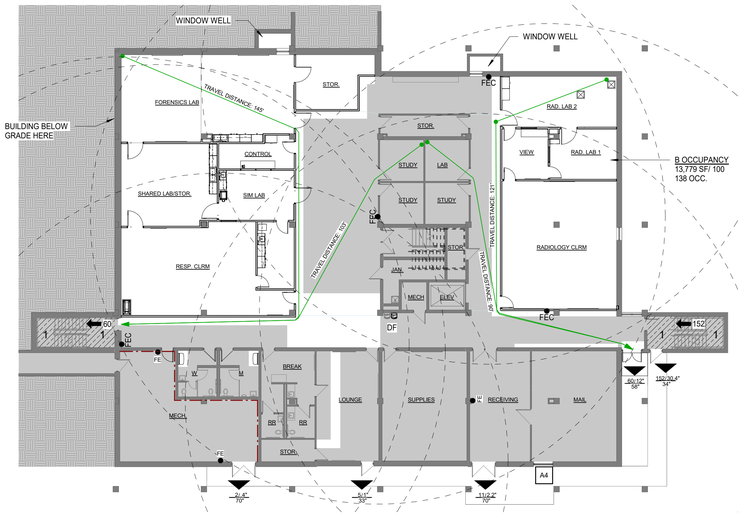
Occupancy Type	Occupant Load	Water Closet		Lavatory		Drinking Fountain	Service Sink
		Male	Fem	Male	Fem		
LOWER LEVEL	138	3	3	2	2	2	1
MAIN LEVEL	155	3	3	2	2	2	1
UPPER LEVEL	195	3	3	2	2	2	1
Total Required Fixtures		9	9	6	6	6	1
Total Provided Fixtures		12	12	9	9	8	2

REGISTERED DESIGN PROFESSIONALS:

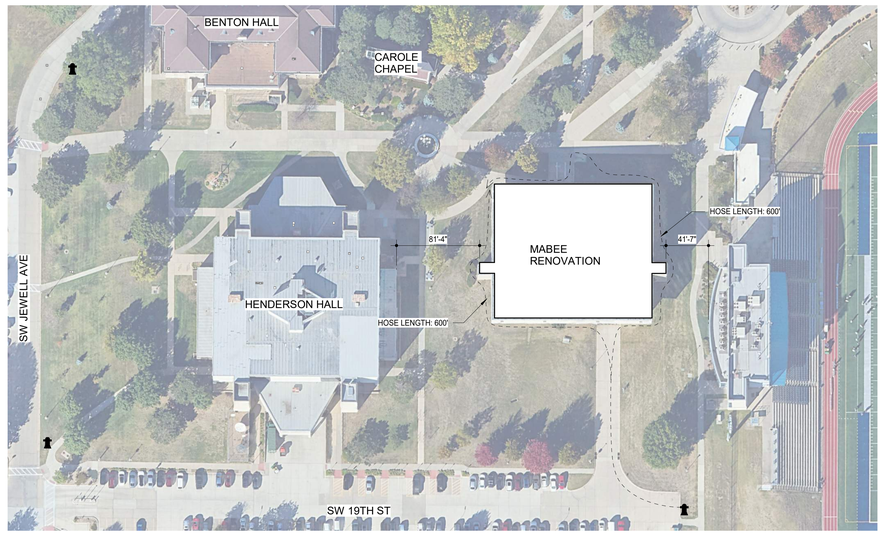
HTK Architects
900 S. Kansas Ave., Suite 200
Topeka, KS 66612
785-266-5373

CODE SYMBOL LEGEND

SYMBOL	DESCRIPTION	PROTECTIVE ELEMENTS
EXIT	EXIT- EXTERIOR	
EXIT	EXIT- INTERIOR (Assembly occ. over 50 and exits from floors.)	
FE	FIRE EXTINGUISHER	
FDC	FIRE DEPT. CONNECTION	
SP	STANDPIPE	
HC	HOSE CABINET	
	FIRE EXTINGUISHER SPACING (Show Radius)	Show Radius
	NON PROTECTED EXIT PATH	None per exemption for fully Sprinklered A, B, E, F, M, S, & U Occupancies
P P	LIMITED PROTECTION EXIT PATH	Automatic Smoke Detection Throughout Exit Path.
	PROTECTED EXIT PATH	1 Hour Fire Partition wall construction. 20 -minute rated door assembly. Fire & Smoke Dampers.
	SPECIAL COVERAGE	Limited Sprinkler Coverage
1 1	1 HOUR EXIT PASSAGEWAY	1 Hour Fire Barrier wall construction. No openings other than required exit doors. 1-hour door assembly.
2 2	2 HOUR EXIT PASSAGEWAY	2 Hour Fire Barrier wall construction. No openings other than required exit doors. 1 1/2-hour door assembly.
1 1	1 HOUR EXIT ENCLOSURE (vertical stairwell - 3 stories or less)	1 Hour Fire Barrier wall construction. No openings other than required exit doors. 1-hour door assembly.
2 2	2 HOUR EXIT ENCLOSURE (vertical stairwell - 4 stories or more)	2 Hour Fire Barrier wall construction. No openings other than required exit doors. 1 1/2-hour door assembly.
	1 HOUR FIRE BARRIER (Occupancy & Incidental Use Areas)	1 hour Fire Barrier wall construction. 3/4 hr. rated door assembly. Fire Dampers. (edit f.d. requirement for sprinklered buildings)
	2 HOUR FIRE BARRIER (Occupancy)	2 hour Fire Barrier wall construction. 1 1/2 hour rated door assembly. Fire Dampers.
2 2	2 HOUR FIRE WALL (Building Separation)	2 hour Fire Wall construction per IBC 705. 1 1/2 hour door assembly. Fire dampers when ductwork is allowed to penetrate wall.
1 1	1 HOUR SHAFT (3 stories or less)	1 hour Fire Barrier wall construction. 1 hour door assembly. Fire/smoke Dampers.
2 2	2 HOUR EXIT ENCLOSURE (4 stories or more)	2 hour Fire Barrier wall construction. 1 1/2 hour door assembly. Fire/smoke Dampers.
	SPRINKLERED INCIDENTAL USE AREAS	Wall construction to resist the passage of smoke from floor to F.R. floor/ ceiling assembly. Self or automatic closing doors w/ no air transfer grilles.
	FIRE PARTITIONS (dwelling/unit separation) (L1 and R occupancies)	1 hour resistive rated walls. 3/4 hour rated door assembly. Fire Dampers.
SD SD	SMOKE BARRIERS (I-2 and I-3 occupancies)	1 hour resistive rated walls. 20 minute rated door assembly. Smoke Dampers
SP SP	SMOKE PARTITION	Not required to have a fire-resistance rating. All other components are to limit the passage of smoke. Reference Chapter 7.
198/39.6" 60"	ACCUMULATED EXIT WIDTH AT REQUIRED EXIT (clear width)	Occupants/Required width Provided Width
	PUBLIC FIRE HYDRANT (show distance from building)	
GYM / A3 1,000 SF 65 OCC.	ROOM DESIGNATION	Room type/Occupancy Type Room Area Maximum Allowable Occupants
40 80 40	SHOW ACCUMLTD. OCCUPANT LOADS FOR COMPLEX PATHS	
TRAVEL DISTANCE TYP.	TRAVEL DISTANCE	
	EXIT SIGN & EMERGENCY LIGHT	
	RENOVATION	Designates area where the existing building is being modified or altered.
	EXISTING TO REMAIN	Designates area where the existing building has no new work.

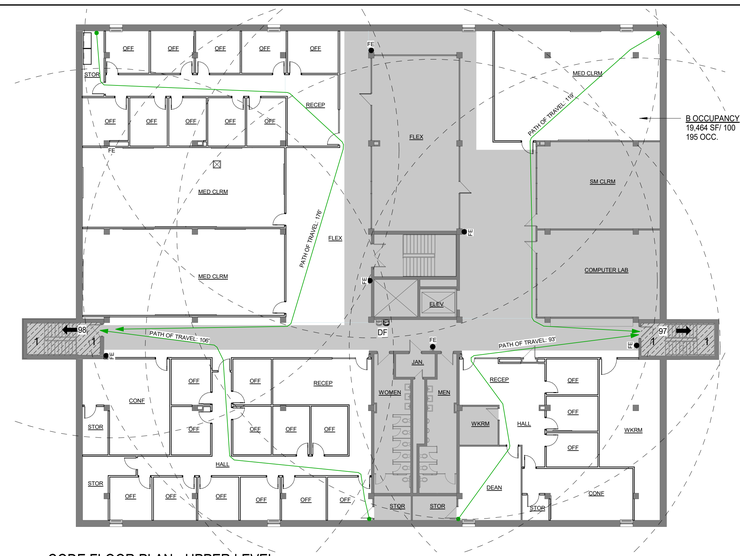


2 CODE FLOOR PLAN - LOWER LEVEL
1/16" = 1'-0"



1 CODE SITE PLAN
1" = 60'-0"
NORTH
0' 25' 75' 150'

3 CODE FLOOR PLAN - MAIN LEVEL
1/16" = 1'-0"



4 CODE FLOOR PLAN - UPPER LEVEL
1/16" = 1'-0"

HTK ARCHITECTS
900 S. KANSAS AVE., SUITE 200 | TOPEKA, KS 66612 | P 785.266.5373
8300 W 110TH ST., STE. 150 | OVERLAND PARK, KS 66210 | P 913.663.5373
www.htkarchitects.com

MARIA R. KUTA
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

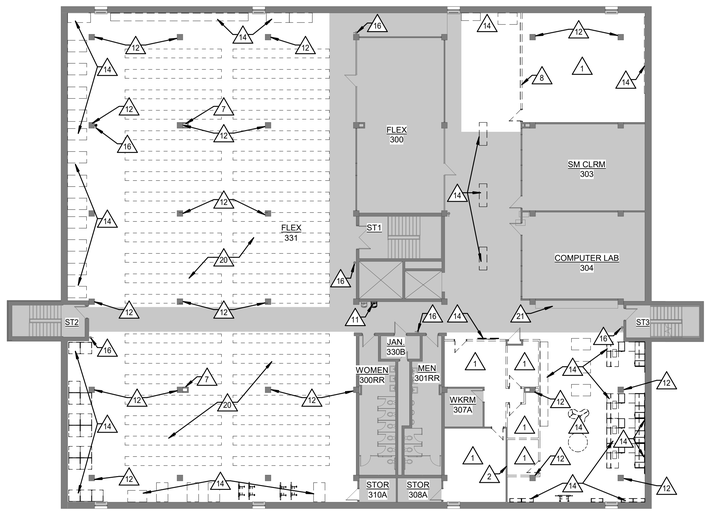
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- CODE FOOTPRINTS

HTK PROJECT NUMBER:
- 2312.03

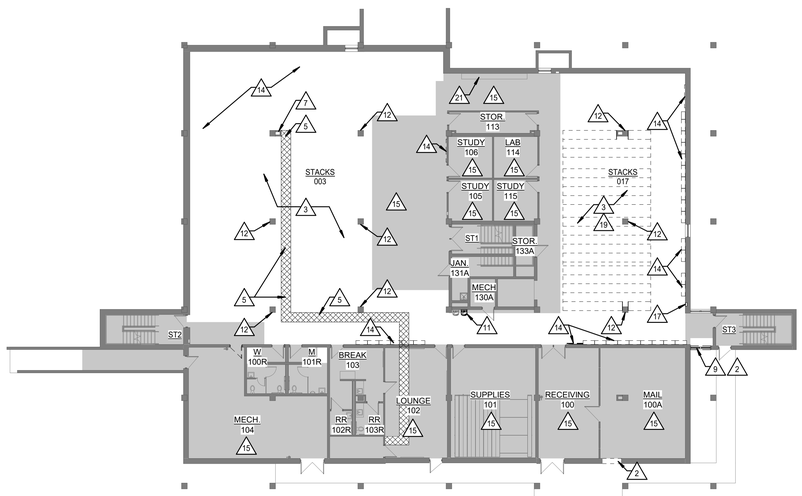
SHEET NUMBER:
G201

ORIGINAL CONTRACT DOCUMENTS



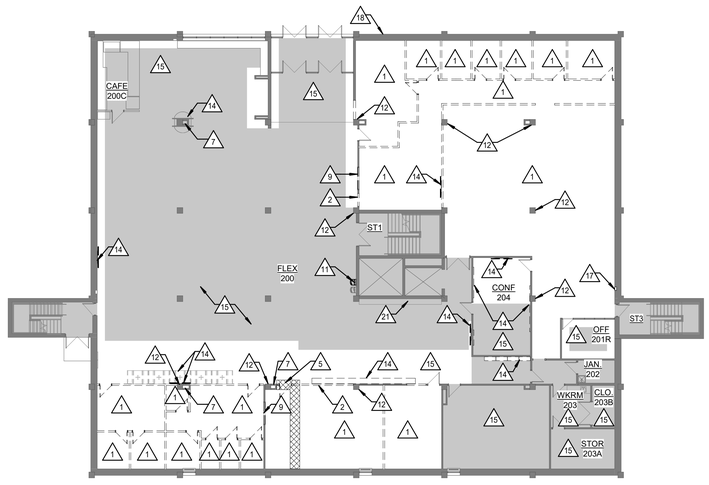
3 DEMOLITION PLAN - UPPER LEVEL
1/16" = 1'-0"

NORTH



1 DEMOLITION PLAN - LOWER LEVEL
1/16" = 1'-0"

NORTH



2 DEMOLITION PLAN - MAIN LEVEL
1/16" = 1'-0"

NORTH

GENERAL DEMOLITION NOTES

A. WALLS & STRUCTURE NOTED TO REMAIN SHALL BE BRACED & SUPPORTED AS NECESSARY DURING DEMO & UNTIL NEW CONSTRUCTION IS IN PLACE.
B. PROTECT EXISTING CONSTRUCTION AND FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION.
C. REPAIR SURFACES ADJACENT TO DEMOLITION AREAS AS REQUIRED TO MATCH ADJACENT FINISHES.
D. COORDINATE DEMOLITION WORK WITH NEW WORK.
E. REF. MECHANICAL, ELECTRICAL & PLUMBING FOR EXTENT OF RELATED DEMOLITION. REPAIR ALL WALLS/FLOOR/CEILING PENETRATIONS WHERE DEVICES/EQUIPMENT/ETC. WAS REMOVED. MATCH ADJ. FINISH & MATERIAL.
F. REF. STRUCT FOR RELATED DEMOLITION.
G. WHEN REPLACING SURFACE TO MATCH ADJACENT, MAKE NEW SURFACE FLUSH WITH ADJACENT UNLESS NOTED OTHERWISE.
H. SOME NEW CONSTRUCTION WILL REQUIRE REMOVAL/CUTTING AND ADDITIONAL DEMO WORK NOT SHOWN ON DEMO SHEETS. REF. ENTIRE SET FOR DEMOLITION.
I. FIELD VERIFY EXTENT OF DEMO ITEMS BEFORE BIDDING.
J. DEMO WALLS & DOORS SHOWN DASHED IN AREAS OF NEW WORK. CONSULT ARCHITECT FOR ANY DISCREPANCIES OR QUESTIONS.
K. WALLS, SLABS, CEILING, ETC. WITHIN RENOVATION AREAS NOT CALLED FOR DEMO SHALL BE PATCHED & REPAIRED TO MATCH ADJ. SURFACES & FINISHES, TYP. PRIOR TO FINISHING AS SCHED.
L. WHERE NEW FINISHES ARE INDICATED ON PLANS, SPECIFICATIONS, OR SCHEDULES, ANY EXISTING FINISHES IN CONFLICT SHALL BE DEMOLISHED. CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING FINISHES PRIOR TO BIDDING.

DEMOLITION PLAN NOTES

GENERAL: COORDINATE WITH NEW CONSTRUCTION AND WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. DEMO ALL EXISTING ROOM SIGNAGE; PATCH & PAINT AT WALL

1 DEMO DOOR & FRAME, WALL OR SOFFIT & ALL ELEMENTS IN WALL, FLOOR TILE OR CARPET FLOORING & WALL BASE, CEILING & LIGHTS, AND ALL CASEWORK OR CUBBIES. PREP FOR NEW CONSTRUCTION
2 REMOVE PORTION OF EXISTING WALL AS REQ'D FOR NEW OPENING. PATCH & REPAIR SLAB & ADJ. WALLS TO SMOOTH SURFACE; TOOTH-IN MASONRY TO PROVIDE A SMOOTH TRANSITION WHERE APPLICABLE; PROVIDE SHORING AS REQ'D
3 DEMO EXISTING FLOOR TILE OR CARPET FLOORING AND WALL BASE, W.O.
4 NOT USED
5 CUT SLAB AT NEW PLUMBING, TOILET, DRAIN, AND/ OR ELEC. UNDER SLAB; REF. MEP
6 NOT USED
7 DEMO WALL INTO CHASE FOR MEP WORK
8 DEMO EXISTING WALL OR SOFFIT AND ALL ELEMENTS IN WALL, INCLUDING DOORS SHOWN DASHED
9 DEMO EXISTING WINDOW, FRAME, BLOCKING & SILL
10 NOT USED
11 REMOVE EXISTING PLUMBING FIXTURE AND CAP OR EXTEND LINES AS REQ'D FOR NEW PLUMBING; REF. MEP
12 REMOVE VINYL WALL COVERING & ADHESIVE AROUND COLUMN ON FACES LEFT EXPOSED IN NEW WORK
13 DEMO EXISTING CASEWORK
14 EQUIPMENT AND FURNITURE TO BE REMOVED & SALVAGED BY OWNER
15 FLOORING TO REMAIN; PROTECT
16 SALVAGE EXISTING FIRE EXTINGUISHER FOR REINSTALLATION INTO NEW FEC CABINETS
17 DEMO FIRE EXTINGUISHER CABINET. PATCH WALL TO MATCH SURROUNDING FINISH
18 SALVAGE METAL BUILDING SIGNAGE TO OWNER
19 DEMO EXISTING HIGH DENSITY STORAGE SYSTEM AND FLOOR RAILS
20 DEMO EXISTING SHELVING
21 CASEWORK TO REMAIN; PROTECT

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.5373
www.htkarchitects.com

MARIA R. KUTTER
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

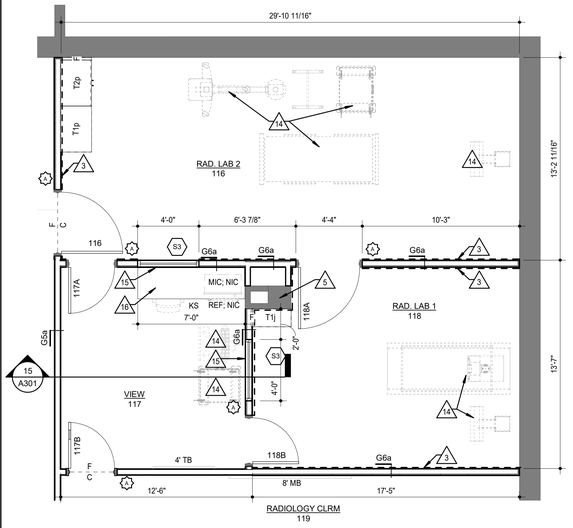
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
DEMOLITION PLANS

HTK PROJECT NUMBER:
2312.03

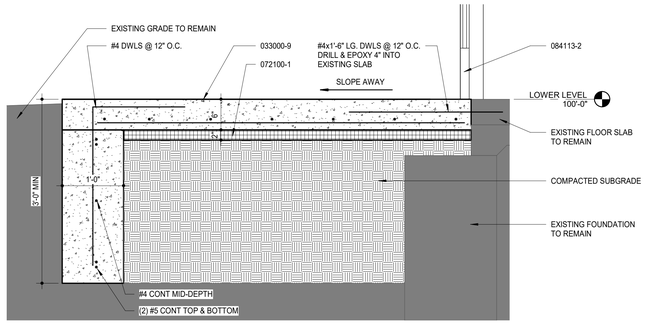
SHEET NUMBER:
D101

ORIGINAL CONTRACT DOCUMENTS



2 ENL. PLAN - RADIOLOGY LABS

1/4" = 1'-0"



4 EXTERIOR STOOP

1" = 1'-0"

ROOM FINISH SCHEDULE - LOWER LEVEL

ROOM MARK	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	NOTES
100A	MAIL	CPT/EXIST	RB/EXIST	EXIST	EXIST	LPT	EXIST	1
102	LOUNGE	CPT/EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	1
107	RESP. CLRM	CPT	RB	LPT	LPT	LPT	LPT	
108	PREP	LVT	RB	EPT	EPT	EPT	EPT	
109	SIM LAB	LVT	RB	EPT	EPT	EPT	EPT	
110	SHARED LAB/STOR.	LVT	RB	EPT	EPT	EPT	EPT	
111	CONTROL	CPT	RB	LPT	LPT	LPT	LPT	
112	FORENSICS LAB	SV	SV	FRP / EPT	EPT	FRP / EPT	FRP	
112A	STOR.	LVT	RB	LPT	EPT	LPT	LPT	
116	RAD. LAB 2	LVT	RB	EPT	EPT	EPT	EPT	
117	VIEW	LVT	RB	LPT	LPT	LPT	LPT	
118	RAD. LAB 1	LVT	RB	EPT	EPT	EPT	EPT	
119	RADIOLOGY CLRM	CPT	RB	LPT	LPT	LPT	LPT	
130	HALL	CPT/EXIST	RB/EXIST	EPT	EXIST	EXIST	EXIST	1
131	HALL	CPT/EXIST	RB/EXIST	EPT	EXIST	---	EPT	1
132	HALL	CPT/EXIST	RB	EXIST	EPT	EXIST	EPT	1
133	HALL	CPT/EXIST	RB/EXIST	EXIST	EPT	EXIST	EXIST	1

ROOM FINISH SCHEDULE LEGEND

FLOOR
- EXIST NO NEW FINISH; EXISTING TO REMAIN
- SC SEALED CONCRETE
- VCT VINYL COMPOSITION TILE
- PT PORCELAIN TILE
- CPT CARPET TILE
- RES RESINOUS FLOORING
- RTR RUBBER TREADS AND RISERS
- WOM WALK-OFF MAT

WALL BASE
- EXIST NO NEW FINISH; EXISTING TO REMAIN
- RB RESILIENT BASE (4" HIGH)
- RES EPOXY COVE BASE

WALLS
- EXIST NO NEW FINISH; EXISTING TO REMAIN
- LPT LATEX PAINT
- EPT EPOXY PAINT
- PWT PORCELAIN WALL TILE
- CT CERAMIC TILE

NOTES
1. PROVIDE NEW FINISHES AT NEW WALLS, PATCH EXISTING WALLS AND FINISHES AS REQUIRED
2. WALL BASE AT NEW WALL
3. PAINT & WALL BASE IF ALTERNATE FOR NEW WALL IS ACCEPTED

PAINT LEGEND

PAINT WALL "#" PAINT COLOR

PAINT OVERHEAD ELEMENT "#" PAINT COLOR

PAINT ACCENT:

1 PAINT 1 (FIELD WHITE)
MFR: BENJAMIN MOORE
COLOR: SPRING THAW

2 PAINT 2 (ACCENT)
MFR: BENJAMIN MOORE
COLOR: IN THE NAVY

3 PAINT 3 (FRAME & TRIM COLOR)
MFR: BENJAMIN MOORE
COLOR: MATCH EXISTING

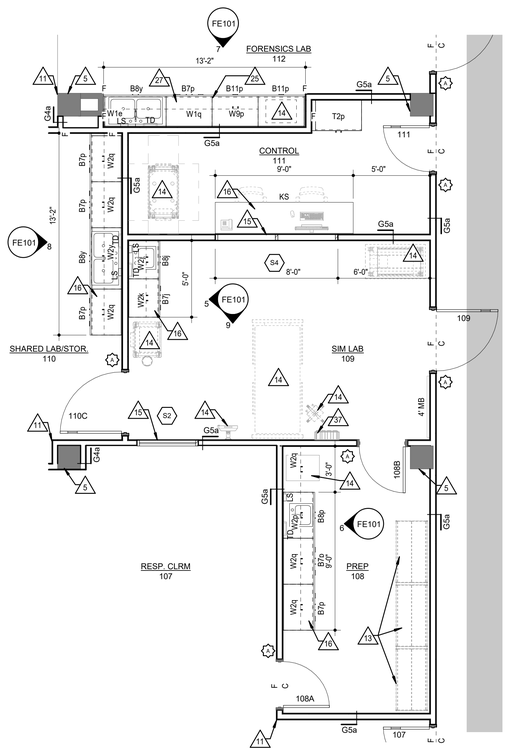
GENERAL PAINT NOTES:
1. UNLESS NOTED OTHERWISE, USE PAINT 1 (FIELD COLOR)
2. ALL DOOR FRAMES, RAILINGS, MECHANICAL GRILLS THAT WERE PREVIOUSLY PAINTED, & TRIM ARE TO BE PAINTED PAINT 3, U.N.O.

ARCHITECTURAL PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. PROVIDE FIRE EXTINGUISHER CABINET; REF. 5/A301
2. EXISTING FLOOR CHANGE TO REMAIN
3. LEAD LINED GYP. BD. FOR 7' A.F.F.; LEAD GYP THICKNESS, LEAD WINDOW AND DOOR TO BE INCLUDED IN GC ALLOWANCE
4. INFILL EXISTING WALL OPENING, PATCH TO MATCH ADJ. SURFACES FOR LIKE NEW APPEARANCE; PAINT WALL CORNER TO CORNER
5. EXISTING COLUMN TO REMAIN; PROTECT
6. EXISTING DOOR TO REMAIN; PROTECT
7. PATCH WALL & PAINT CORNER TO CORNER
8. PATCH CMU @ PLUMBING WORK; TOOTH IN MASONRY
9. EXISTING ELECTRICAL PANEL TO REMAIN; PROTECT
10. PATCH SLAB @ NEW PLUMBING IN EXISTING SLAB; REF. MEP & A100 FOR LOCATIONS
11. CORNER GUARD; MOUNT ABOVE WALL BASE
12. NOT USED
13. SHELVING BY OWNER
14. FURNITURE OR EQUIPMENT BY OWNER
15. MANUAL ROLLER SHADE
16. SOLID SURFACE COUNTERTOP
17. SKIM COAT EXISTING COLUMNS W/ DRYWALL COMPOUND
18. PATCH FLOORING WITH EXISTING CARPET TILE
19. EXISTING CASEWORK TO REMAIN; PROTECT
20. PATCH FLOORING & WALL @ WALL DEMO
21. NOT USED
22. PATCH WALL @ EXISTING WALL REMOVAL
23. IT EQUIPMENT TO REMAIN
24. PROVIDE FIRE EXTINGUISHER CABINET; REF. A302
25. METAL LAB CASEWORK
26. EXISTING PIPING TO REMAIN; PROTECT
27. STAINLESS STEEL COUNTERTOP
28. ROOM OCCUPIED THROUGHOUT CONSTRUCTION FOR CAMPUS MAIL SERVICE. MAINTAIN OPERATION & ACCESS FROM OUTSIDE
29. PROVIDE DRINKING FOUNTAIN; REF MEP
30. WINDOW WELL TO REMAIN
31. MANUAL BLACKOUT SHADE
32. AREA OF FLOOR FILL; REF. DETAIL ON A301
33. DIMENSIONAL LETTER SIGNAGE
34. PROVIDE BLOCKING FOR OWNER PROVIDED EQUIPMENT
35. NEW G5a WALL BY ALT.
36. ROOM SCHEDULER; REF. MEP
37. HEAD WALL, REMOVED FROM EXISTING LOCATION, REINSTALL IN NEW LOCATION
38. GLAZED WALL TILE TO 5'-6" AFF, U.N.O. REF. RESTROOM ELEVATIONS A101
39. CUSTOM WALL GRAPHIC BY ALT.; REF. ELEVATIONS A801; PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH. PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH
40. PATCH CHASE AT NEW MEP WORK
41. CARD READER; REF MEP
42. CONCRETE STOOP REF DTL.
43. PROVIDE DIAPER CHANGING STATION 102800-14

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.



3 ENL. PLAN - CONTROL/LAB/PREP

1/4" = 1'-0"

1 ARCHITECTURAL FLOOR PLAN - LOWER LEVEL

1/8" = 1'-0"

NORTH

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
8300 W 110TH ST., STE 150
OVERLAND PARK, KS 66210
P 913.663.3373
www.htkarchitects.com

LINDA R. KUTTER
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- ARCHITECTURAL FLOOR PLAN - LOWER LEVEL

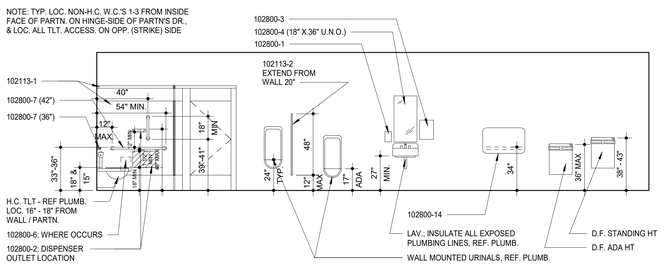
HTK PROJECT NUMBER:
- 2312.03

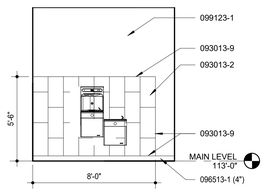
SHEET NUMBER:

A101

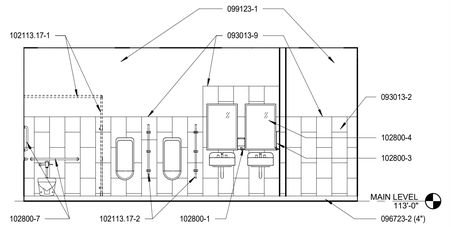
ORIGINAL CONTRACT DOCUMENTS

TYP. TLT. & ACCESS. MTG. HGTS.





5 MAIN FLOOR DF WALL ELEV.
1/4" = 1'-0"



4 RESTROOM 206 - WEST ELEV.
1/4" = 1'-0"

PAINT LEGEND

PAINT WALL "#" PAINT COLOR

PAINT OVERHEAD ELEMENT "#" PAINT COLOR

PAINT ACCENT:

1 PAINT 1 (FIELD WHITE)
MFR: BENJAMIN MOORE
COLOR: SPRING THAW

2 PAINT 2 (ACCENT)
MFR: BENJAMIN MOORE
COLOR: IN THE NAVY

3 PAINT 3 (FRAME & TRIM COLOR)
MFR: BENJAMIN MOORE
COLOR: MATCH EXISTING

GENERAL PAINT NOTES:
1. UNLESS NOTED OTHERWISE, USE PAINT 1 (FIELD COLOR)
2. ALL DOOR FRAMES, RAILINGS, MECHANICAL GRILLS THAT WERE PREVIOUSLY PAINTED, & TRIM ARE TO BE PAINTED PAINT 3, U.N.O.

ROOM FINISH SCHEDULE LEGEND

FLOOR
EXIST NO NEW FINISH; EXISTING TO REMAIN
SC SEALED CONCRETE
VCT VINYL COMPOSITION TILE
PT PORCELAIN TILE
CPT CARPET TILE
RES RESINOUS FLOORING
RTR RUBBER TREADS AND RISERS
WOM WALK-OFF MAT

WALL BASE
EXIST NO NEW FINISH; EXISTING TO REMAIN
RB RESILIENT BASE (4" HIGH)
RES EPOXY COVE BASE

WALLS
EXIST NO NEW FINISH; EXISTING TO REMAIN
LPT LATEX PAINT
EPT EPOXY PAINT
PWT PORCELAIN WALL TILE
CT CERAMIC TILE

NOTES
1. PROVIDE NEW FINISHES AT NEW WALLS, PATCH EXISTING WALLS AND FINISHES AS REQUIRED
2. WALL BASE AT NEW WALL
3. PAINT & WALL BASE IF ALTERNATE FOR NEW WALL IS ACCEPTED

ROOM FINISH SCHEDULE - MAIN LEVEL

ROOM MARK	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	NOTES
200	FLEX	EXIST	RB/EXIST	---	EPT	---	EPT	1
200C	CAFE	EXIST	EXIST	EPT	EPT	---	EPT	
200RR	WOMEN	PT	PTB	PWT / EPT	PWT / EPT	EPT	EPT	
200V	VESTIBULE	EXIST	EXIST	EXIST	LPT	EXIST	LPT	
201	RECEP	CPT	RB	LPT	LPT	LPT	LPT	
201A	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201B	STOR	CPT	RB	LPT	LPT	LPT	LPT	
201C	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201D	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201E	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201F	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201G	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201H	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201H1	HALL	CPT	RB	LPT	LPT	LPT	LPT	
201H2	HALL	CPT	RB	LPT	LPT	LPT	LPT	
201H3	HALL	CPT	RB	LPT	LPT	LPT	LPT	
201H4	HALL	CPT	RB	LPT	LPT	LPT	LPT	
201H5	HALL	CPT	RB	LPT	LPT	LPT	LPT	
201J	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201K	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201L	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201M	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201N	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201O	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201P	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201Q	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201R	OFF	EXIST	EXIST	LPT	LPT	LPT	LPT	
201RR	MEN	PT	PTB	PWT / EPT	EPT	EPT	PWT / EPT	
201S	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201T	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201U	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201V	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201W	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201X	OFF	CPT	RB	LPT	LPT	LPT	LPT	
201Y	OFFICE	CPT	RB	LPT	LPT	LPT	LPT	
204	CONF	EXIST	EXIST	LPT	EXIST	EXIST	EXIST	2
205	CLRM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	3
206	WAITING	CPT	RB	LPT	LPT	LPT	LPT	
207	OFF	CPT	RB	LPT	LPT	LPT	LPT	
208	OFF	CPT	RB	LPT	LPT	LPT	LPT	
209	WELLNESS	LVT	RB	LPT	LPT	LPT	LPT	
210	RECEP	CPT	RB	LPT	LPT	LPT	LPT	
210A	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210B	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210C	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210D	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210E	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210F	STOR	CPT	RB	LPT	LPT	LPT	LPT	
210G	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210H	OFF	CPT	RB	LPT	LPT	LPT	LPT	
210H1	HALL	CPT	RB	LPT	LPT	LPT	LPT	

ARCHITECTURAL PLAN NOTES

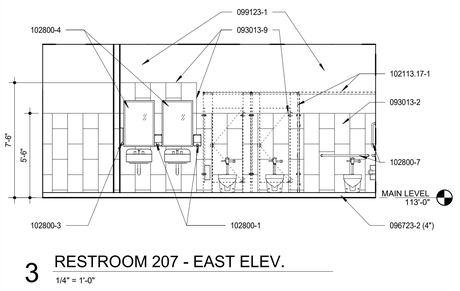
GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. PROVIDE FIRE EXTINGUISHER CABINET; REF. 5/A301
2. EXISTING FLOOR CHANGE TO REMAIN
3. LEAD LINED GYP. BD. FOR 7' A.F.F.; LEAD GYP THICKNESS, LEAD WINDOW AND DOOR TO BE INCLUDED IN GC ALLOWANCE
4. INFILL EXISTING WALL OPENING, PATCH TO MATCH ADJ. SURFACES FOR LIKE NEW APPEARANCE; PAINT WALL CORNER TO CORNER
5. EXISTING COLUMN TO REMAIN; PROTECT
6. EXISTING DOOR TO REMAIN; PROTECT
7. PATCH WALL & PAINT CORNER TO CORNER
8. PATCH CMU @ PLUMBING WORK; TOOTH IN MASONRY
9. EXISTING ELECTRICAL PANEL TO REMAIN; PROTECT
10. PATCH SLAB @ NEW PLUMBING IN EXISTING SLAB; REF. MEP & A100 FOR LOCATIONS
11. CORNER GUARD; MOUNT ABOVE WALL BASE
12. NOT USED
13. SHELVING BY OWNER
14. FURNITURE OR EQUIPMENT BY OWNER
15. MANUAL ROLLER SHADE
16. SOLID SURFACE COUNTERTOP
17. SKIM COAT EXISTING COLUMNS W/ DRYWALL COMPOUND
18. PATCH FLOORING WITH EXISTING CARPET TILE
19. EXISTING CASEWORK TO REMAIN; PROTECT
20. PATCH FLOORING & WALL @ WALL DEMO
21. NOT USED
22. PATCH WALL @ EXISTING WALL REMOVAL
23. IT EQUIPMENT TO REMAIN
24. PROVIDE FIRE EXTINGUISHER CABINET; REF. A302
25. METAL LAB CASEWORK
26. EXISTING PIPING TO REMAIN; PROTECT
27. STAINLESS STEEL COUNTERTOP
28. ROOM OCCUPIED THROUGHOUT CONSTRUCTION FOR CAMPUS MAIL SERVICE. MAINTAIN OPERATION & ACCESS FROM OUTSIDE
29. PROVIDE DRINKING FOUNTAIN; REF MEP
30. WINDOW WELL TO REMAIN
31. MANUAL BLACKOUT SHADE
32. AREA OF FLOOR FILL; REF. DETAIL ON A301
33. DIMENSIONAL LETTER SIGNAGE
34. PROVIDE BLOCKING FOR OWNER PROVIDED EQUIPMENT
35. NEW G5a WALL BY ALT.
36. ROOM SCHEDULER; REF. MEP
37. HEAD WALL, REMOVED FROM EXISTING LOCATION, REINSTALL IN NEW LOCATION
38. GLAZED WALL TILE TO 5'-6" AFF, U.N.O. REF. RESTROOM ELEVATIONS A101
39. CUSTOM WALL GRAPHIC BY ALT.; REF. ELEVATIONS A801; PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH. PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH
40. PATCH CHASE AT NEW MEP WORK
41. CARD READER; REF MEP
42. CONCRETE STOOP REF DTL.
43. PROVIDE DIAPER CHANGING STATION 102800-14

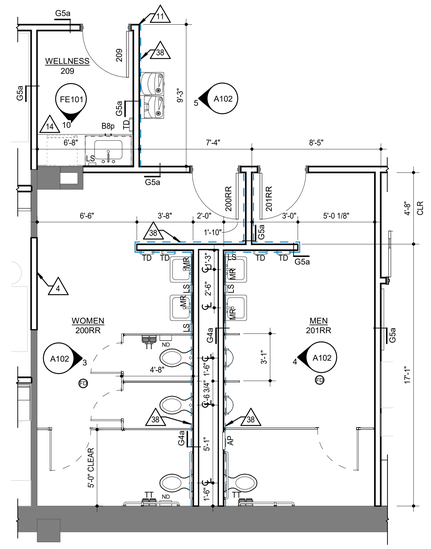
TOILET ACCESSORIES LEGEND

ABB	DESCRIPTION
LS	WALL MTD. LIQUID SOAP DISP. PROVIDE ONE PER LAVATORY/ SINK 102800-1
FD	FLOOR DRAIN; REF. MECH.
ND	SANITARY NAPKIN DISPOSER 102800-6
TT	TOILET TISSUE DISPENSER 102800-2
BCT	DIAPER CHANGING TABLE 102800-14
MR	MIRROR 102800-4
AP	ACCESS PANEL (24"W X 36"H) 083113-1 & -2
TD	TOWEL DISPENSER PROVIDE ONE PER LAVATORY/ SINK 102800-3
	GRAB BARS 102800-7

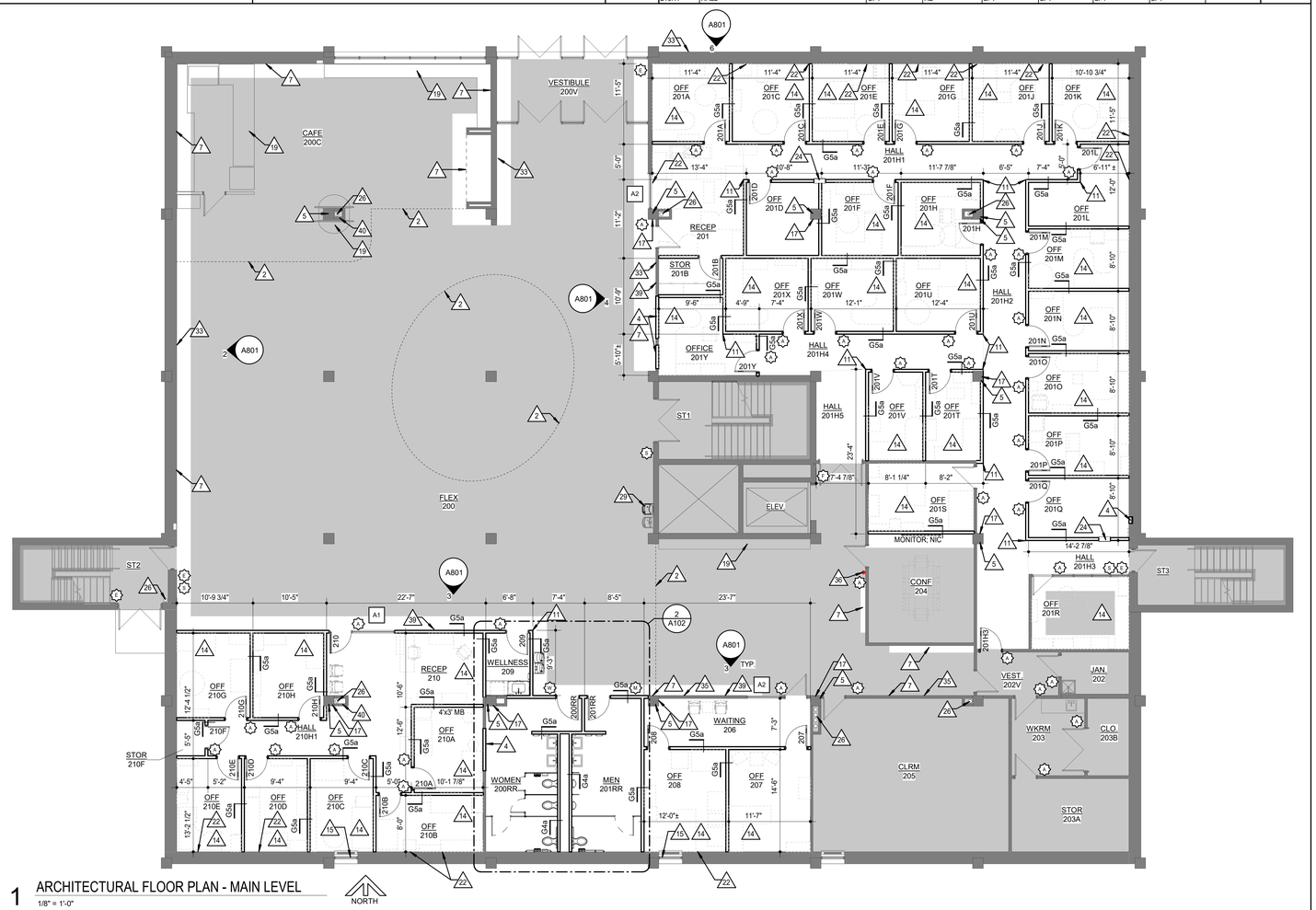
NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.



3 RESTROOM 207 - EAST ELEV.
1/4" = 1'-0"



2 ENLARGED MAIN LEVEL RR
1/4" = 1'-0"



1 ARCHITECTURAL FLOOR PLAN - MAIN LEVEL
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66603 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.3373
www.htkarchitects.com

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- ARCHITECTURAL FLOOR PLAN - MAIN LEVEL

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

A102

ORIGINAL CONTRACT DOCUMENTS

PAINT LEGEND

PAINT WALL "#" PAINT COLOR

PAINT OVERHEAD ELEMENT "#" PAINT COLOR

PAINT ACCENT:

1 PAINT 1 (FIELD WHITE)
MFR: BENJAMIN MOORE
COLOR: SPRING THAW

2 PAINT 2 (ACCENT)
MFR: BENJAMIN MOORE
COLOR: IN THE NAVY

3 PAINT 3 (FRAME & TRIM COLOR)
MFR: BENJAMIN MOORE
COLOR: MATCH EXISTING

GENERAL PAINT NOTES:
1. UNLESS NOTED OTHERWISE, USE PAINT 1 (FIELD COLOR)
2. ALL DOOR FRAMES, RAILINGS, MECHANICAL GRILLS THAT WERE PREVIOUSLY PAINTED, & TRIM ARE TO BE PAINTED PAINT 3, U.N.O.

ROOM FINISH SCHEDULE LEGEND

FLOOR

EXIST	NO NEW FINISH; EXISTING TO REMAIN
SC	SEALED CONCRETE
VCT	VINYL COMPOSITION TILE
PT	PORCELAIN TILE
CPT	CARPET TILE
RES	RESINOUS FLOORING
RTR	RUBBER TREADS AND RISERS
WOM	WALK-OFF MAT

WALL BASE

EXIST	NO NEW FINISH; EXISTING TO REMAIN
RB	RESILIENT BASE (4" HIGH)
RES	EPOXY COVE BASE

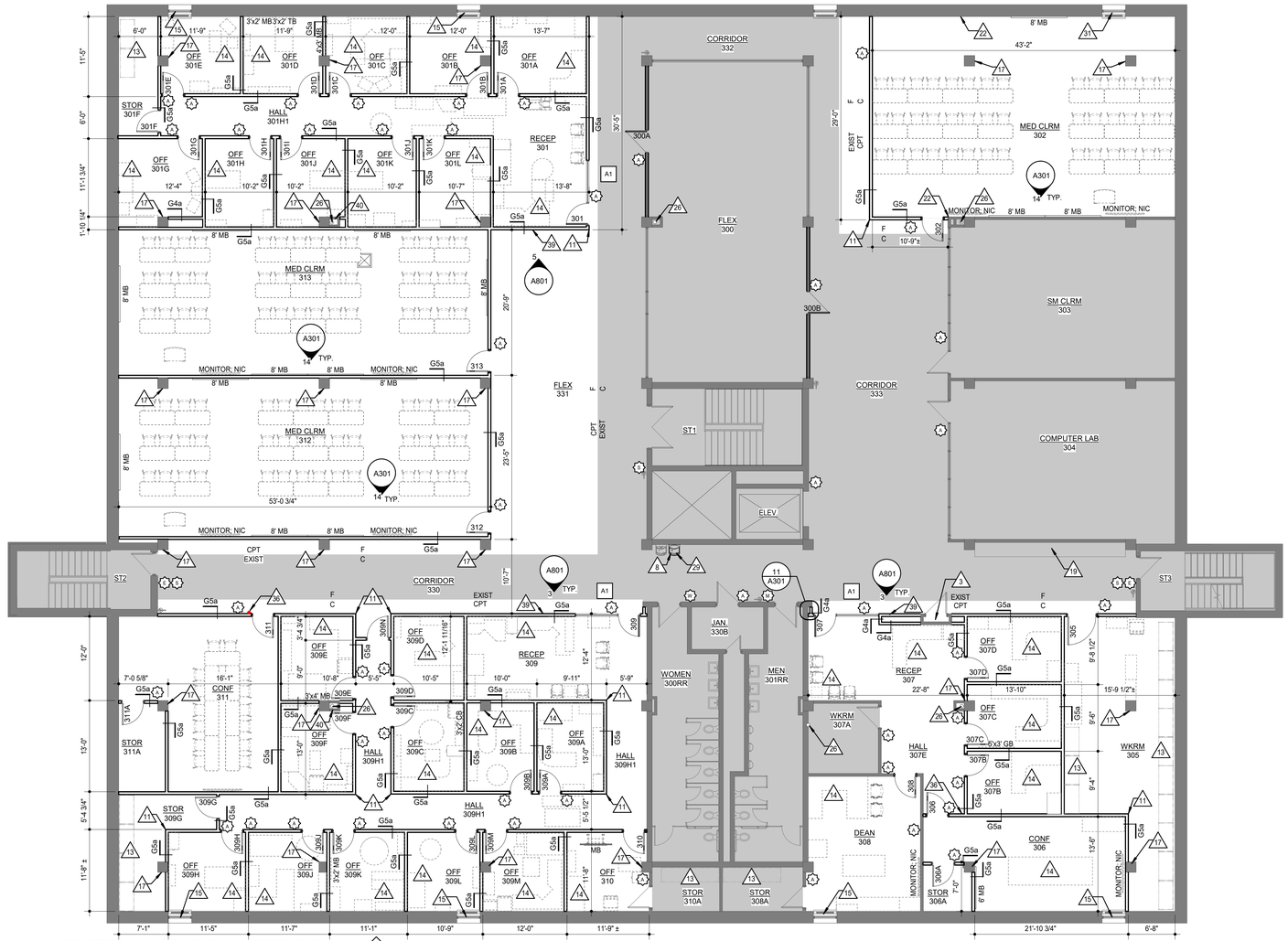
WALLS

EXIST	NO NEW FINISH; EXISTING TO REMAIN
LPT	LATEX PAINT
EPT	EPOXY PAINT
PWT	PORCELAIN WALL TILE
CT	CERAMIC TILE

NOTES
1. PROVIDE NEW FINISHES AT NEW WALLS, PATCH EXISTING WALLS AND FINISHES AS REQUIRED
2. WALL BASE AT NEW WALL
3. PAINT & WALL BASE IF ALTERNATE FOR NEW WALL IS ACCEPTED

ROOM FINISH SCHEDULE - UPPER LEVEL

ROOM MARK	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	NOTES
301	RECEP	CPT	RB	LPT	LPT	LPT	LPT	
301A	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301B	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301C	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301D	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301E	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301F	STOR	CPT	RB	LPT	LPT	LPT	LPT	
301G	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301H	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301H1	HALL	CPT	RB	LPT	--	LPT	LPT	
301J	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301K	OFF	CPT	RB	LPT	LPT	LPT	LPT	
301L	OFF	CPT	RB	LPT	LPT	LPT	LPT	
302	MED CLRM	CPT/EXIST	RB/EXIST	LPT	LPT	LPT	LPT	
305	WKRM	CPT	RB	LPT	LPT	LPT	LPT	
306	CONF	CPT	RB	LPT	LPT	LPT	LPT	
306A	STOR	CPT	RB	LPT	LPT	LPT	LPT	
307	RECEP	CPT	RB	LPT	LPT	LPT	LPT	
307B	OFF	CPT	RB	LPT	LPT	LPT	LPT	
307C	OFF	CPT	RB	LPT	LPT	LPT	LPT	
307D	OFF	CPT	RB	LPT	LPT	LPT	LPT	
307E	HALL	CPT	RB	--	LPT	LPT	LPT	
308	DEAN	CPT	RB	LPT	LPT	LPT	LPT	
309	RECEP	CPT	RB	LPT	LPT	LPT	LPT	
309A	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309B	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309C	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309D	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309E	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309F	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309G	STOR	CPT	RB	LPT	LPT	LPT	LPT	
309H	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309H1	HALL	CPT	RB	LPT	LPT	LPT	LPT	
309J	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309K	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309L	OFF	CPT	RB	LPT	LPT	LPT	LPT	
309M	OFF	CPT	RB	LPT	LPT	LPT	LPT	
310	OFF	CPT	RB	LPT	LPT	LPT	LPT	
311	CONF	CPT	RB	LPT	LPT	LPT	LPT	
311A	STOR	CPT	RB	LPT	LPT	LPT	LPT	
312	MED CLRM	CPT	RB	LPT	LPT	LPT	LPT	
313	MED CLRM	CPT	RB	LPT	LPT	LPT	LPT	
331	FLEX	CPT/EXIST	RB	EPT	EXIST	EPT	EPT	



1 ARCHITECTURAL FLOOR PLAN - UPPER LEVEL
1/8" = 1'-0"

ARCHITECTURAL PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. PROVIDE FIRE EXTINGUISHER CABINET; REF. 5/A301
2. EXISTING FLOOR CHANGE TO REMAIN
3. LEAD LINED GYP. BD. FOR 7' A.F.F.; LEAD GYP THICKNESS, LEAD WINDOW AND DOOR TO BE INCLUDED IN GC ALLOWANCE
4. INFILL EXISTING WALL OPENING, PATCH TO MATCH ADJ. SURFACES FOR LIKE NEW APPEARANCE; PAINT WALL CORNER TO CORNER
5. EXISTING COLUMN TO REMAIN; PROTECT
6. EXISTING DOOR TO REMAIN; PROTECT
7. PATCH WALL & PAINT CORNER TO CORNER
8. PATCH CMU @ PLUMBING WORK; TOOTH IN MASONRY
9. EXISTING ELECTRICAL PANEL TO REMAIN; PROTECT
10. PATCH SLAB @ NEW PLUMBING IN EXISTING SLAB; REF. MEP & A100 FOR LOCATIONS
11. CORNER GUARD; MOUNT ABOVE WALL BASE
12. NOT USED
13. SHELVING BY OWNER
14. FURNITURE OR EQUIPMENT BY OWNER
15. MANUAL ROLLER SHADE
16. SOLID SURFACE COUNTERTOP
17. SKIM COAT EXISTING COLUMNS W/ DRYWALL COMPOUND
18. PATCH FLOORING WITH EXISTING CARPET TILE
19. EXISTING CASEWORK TO REMAIN; PROTECT
20. PATCH FLOORING & WALL @ WALL DEMO
21. NOT USED
22. PATCH WALL @ EXISTING WALL REMOVAL
23. IT EQUIPMENT TO REMAIN
24. PROVIDE FIRE EXTINGUISHER CABINET; REF. A302
25. METAL LAB CASEWORK
26. EXISTING PIPING TO REMAIN; PROTECT
27. STAINLESS STEEL COUNTERTOP
28. ROOM OCCUPIED THROUGHOUT CONSTRUCTION FOR CAMPUS MAIL SERVICE. MAINTAIN OPERATION & ACCESS FROM OUTSIDE
29. PROVIDE DRINKING FOUNTAIN; REF MEP
30. WINDOW WELL TO REMAIN
31. MANUAL BLACKOUT SHADE
32. AREA OF FLOOR FILL; REF. DETAIL ON A301
33. DIMENSIONAL LETTER SIGNAGE
34. PROVIDE BLOCKING FOR OWNER PROVIDED EQUIPMENT
35. NEW G5a WALL BY ALT.
36. ROOM SCHEDULER; REF. MEP
37. HEAD WALL, REMOVED FROM EXISTING LOCATION, REINSTALL IN NEW LOCATION
38. GLAZED WALL TILE TO 5'-6" AFF, U.N.O. REF. RESTROOM ELEVATIONS A101
39. CUSTOM WALL GRAPHIC BY ALT.; REF. ELEVATIONS A801; PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH. PATCH WALL AND PROVIDE LEVEL 5 GYP. BD. FINISH
40. PATCH CHASE AT NEW MEP WORK
41. CARD READER; REF MEP
42. CONCRETE STOOP REF DTL.
43. PROVIDE DIAPER CHANGING STATION 102800-14

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.3373
www.htkarchitects.com

LISA R. KUTTER LICENSED 6833 07/16/2024 KANSAS ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

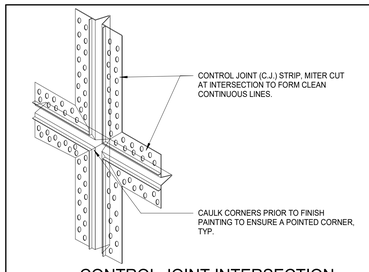
SHEET CONTENTS:
- ARCHITECTURAL FLOOR PLAN - UPPER LEVEL

HTK PROJECT NUMBER:
- 2312.03

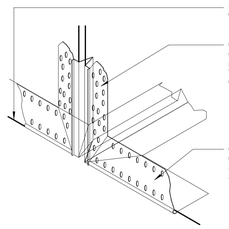
SHEET NUMBER:

A103

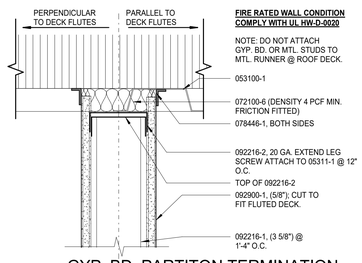
ORIGINAL CONTRACT DOCUMENTS



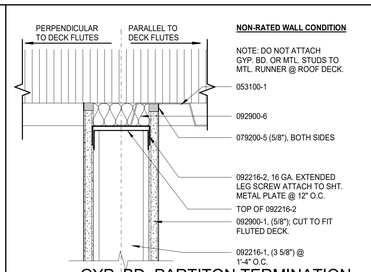
1 CONTROL JOINT INTERSECTION
3" = 1'-0"



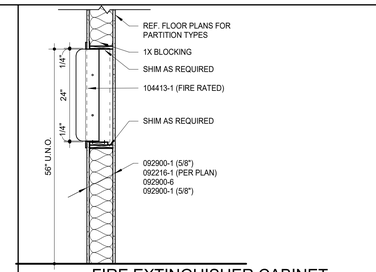
2 CORNER BEAD / CTRL. JT. CONNECT.
3" = 1'-0"



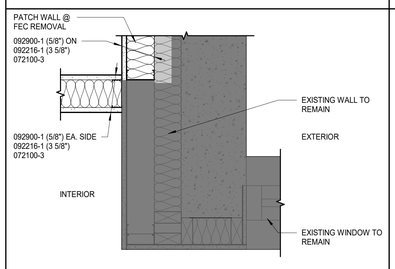
3 GYP. BD. PARTITON TERMINATION
3" = 1'-0"



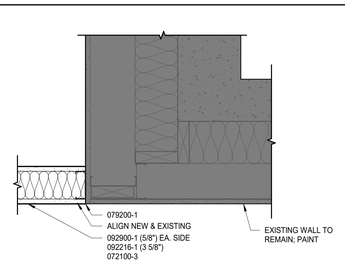
4 GYP. BD. PARTITON TERMINATION.
3" = 1'-0"



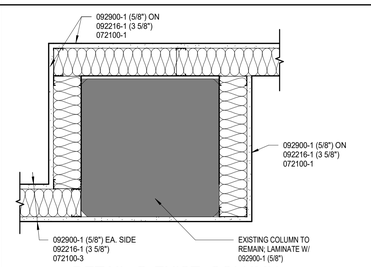
5 FIRE EXTINGUISHER CABINET
3/4" = 1'-0"



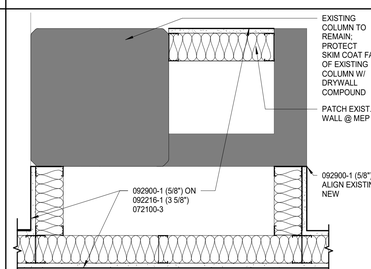
6 DETAIL @ HALL 130
1 1/2" = 1'-0"
LOWER LEVEL



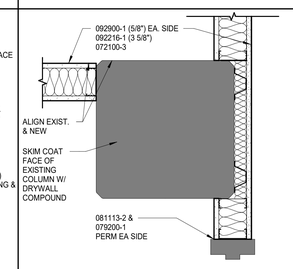
7 DETAIL @ HALL 132
1 1/2" = 1'-0"
LOWER LEVEL



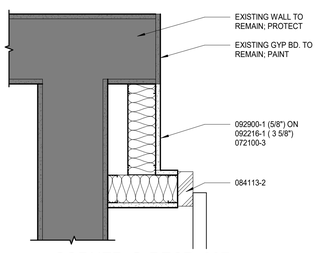
8 DETAIL @ EXIST. COLUMN
1 1/2" = 1'-0"
LOWER LEVEL



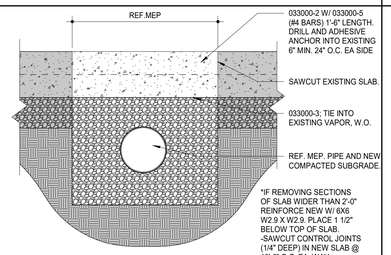
9 DETAIL @ EXIST. LAB 110
1 1/2" = 1'-0"
LOWER LEVEL



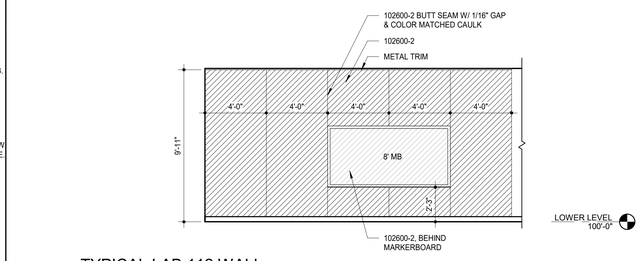
10 DETAIL @ HALL 131
1 1/2" = 1'-0"



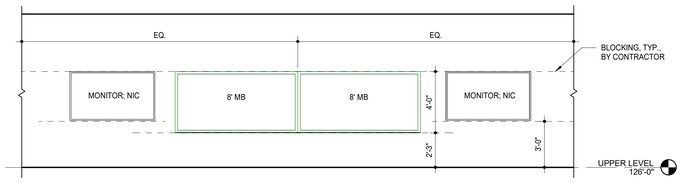
11 CORNER @ RECP. 307
1 1/2" = 1'-0"
UPPER LEVEL



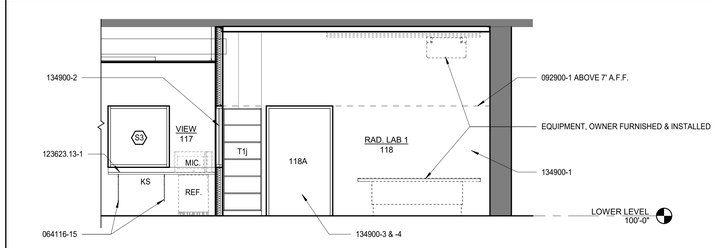
12 FLOOR SLAB REPAIRS
1 1/2" = 1'-0"
UPPER LEVEL



13 TYPICAL LAB 112 WALL
1/4" = 1'-0"



14 TYPICAL TEACHING WALL
1/4" = 1'-0"



15 SECTION @ RADIOLOGY
1/4" = 1'-0"

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX.: 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000 -1 CONCRETE
-2 CONCRETE FLOOR SLAB
-3 VAPOR BARRIER
-4 WELDED WIRE FABRIC
-5 STEEL REINFORCING BAR
055000 -1 STEEL ANGLE
-5 STEEL LINTEL
-8 STEEL PLATE
061000 -2 2X WOOD BLOCKING (")
-4 PLYWOOD BACKER
064116 -1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
-3 CABINET LINER LAMINATE
-5 PLYWOOD
-6 3MM EDGE MOLDING
-10 DOOR HINGE
-11 DOOR/DRAWER PULL
-12 MAGNETIC CATCH
-13 DRAWER
-14 SHELF SUPPORTS
-15 COUNTERTOP SUPPORT BRACKET
072100 -4 BUILDING INSULATION - FACED (R-)
-5 SILL SEALER
-6 SAFING INSULATION
076200 -1 SHEET METAL FLASHING AND COUNTERFLASHING
079200 -1 JOINT SEALANT - RAKE
-2 JOINT FILLER
-3 GASKET
-4 BACKER ROD
081113 -2 HOLLOW METAL FRAME
-3 FRAME ANCHOR
081416 -1 FLUSH WOOD DOOR
083113 -1 ACCESS DOOR
-2 ACCESS DOOR FRAME
084113 -1 ALUMINUM ENTRANCE DOOR
-2 ALUMINUM STOREFRONT FRAME
088000 -1 GLAZING (AS SCHEDULED)
092216 -1 STEEL STUD (")
-2 STEEL STUD RUNNER (")
-3 FURRING CHANNEL
092900 -1 GYPSUM BOARD (")
-2 FIRE RATED GYPSUM BOARD (")
-3 CEMENTITIOUS TILE BACKER PANEL
-4 METAL SUSPENSION SYSTEM
-5 ACOUSTICAL SEALANT
-6 ACOUSTICAL INSULATION(")
-7 METAL EDGE TRIM
-8 AUXILIARY SUPPORT FRAMING
-10 HIGH IMPACT GYPSUM BOARD
-11 INTERIOR FINISHING COMPOUND
093013 -2 GLAZED WALL TILE ("X")
-4 PORCELAIN FLOOR TILE (" X ")
-9 METAL EDGE STRIP
095113 -1 ACOUSTICAL PANEL (")
-2 CEILING SUSPENSION SYSTEM
-3 EDGE MOLD TRIM
-4 AUXILIARY SUPPORT FRAMING
096513 -1 RESILIENT WALL BASE
-2 EDGE STRIP
096516 -1 RESILIENT SHEET FLOORING
096519 -1 RESILIENT FLOOR TILE
096813 -1 CARPET TILE
097200 -1 WALL COVERING
099123 -1 INTERIOR PAINT
101100 -1 MARKERBOARD
-2 TACKBOARD
101400 -1 DIMENSIONAL LETTER SIGNAGE
102113.17-1 PHENOLIC CORE TOILET COMPARTMENT
-2 URINAL SCREEN
102600 -1 CORNER GUARD
-2 FRP IMPACT-RESISTANT WALLCOVERING
102800 -1 SOAP DISPENSER
-2 TOILET TISSUE DISPENSER
-3 PAPER TOWEL DISPENSER
-4 FRAMED MIRROR
-6 SANITARY NAPKIN DISPOSER
-7 GRAB BAR
-14 DIAPER CHANGING STATION
104413 -1 FIRE EXTINGUISHER CABINET
122413 -1 ROLLER WINDOW SHADES
123553.13 -1 METAL LABORATORY CASEWORK
123661.16-1 SOLID SURFACE COUNTERTOP
134900 -1 LEAD LINED DRY. BD.
-2 LEAD GLASS
-3 HOLLOW METAL FRAME
-4 LEAD LINED WOOD DOOR

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.5373
www.htkarchitects.com

JENNA R. KUTA LICENSED 6833 07/16/2024 KANSAS ARCHITECT

DATE:
July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

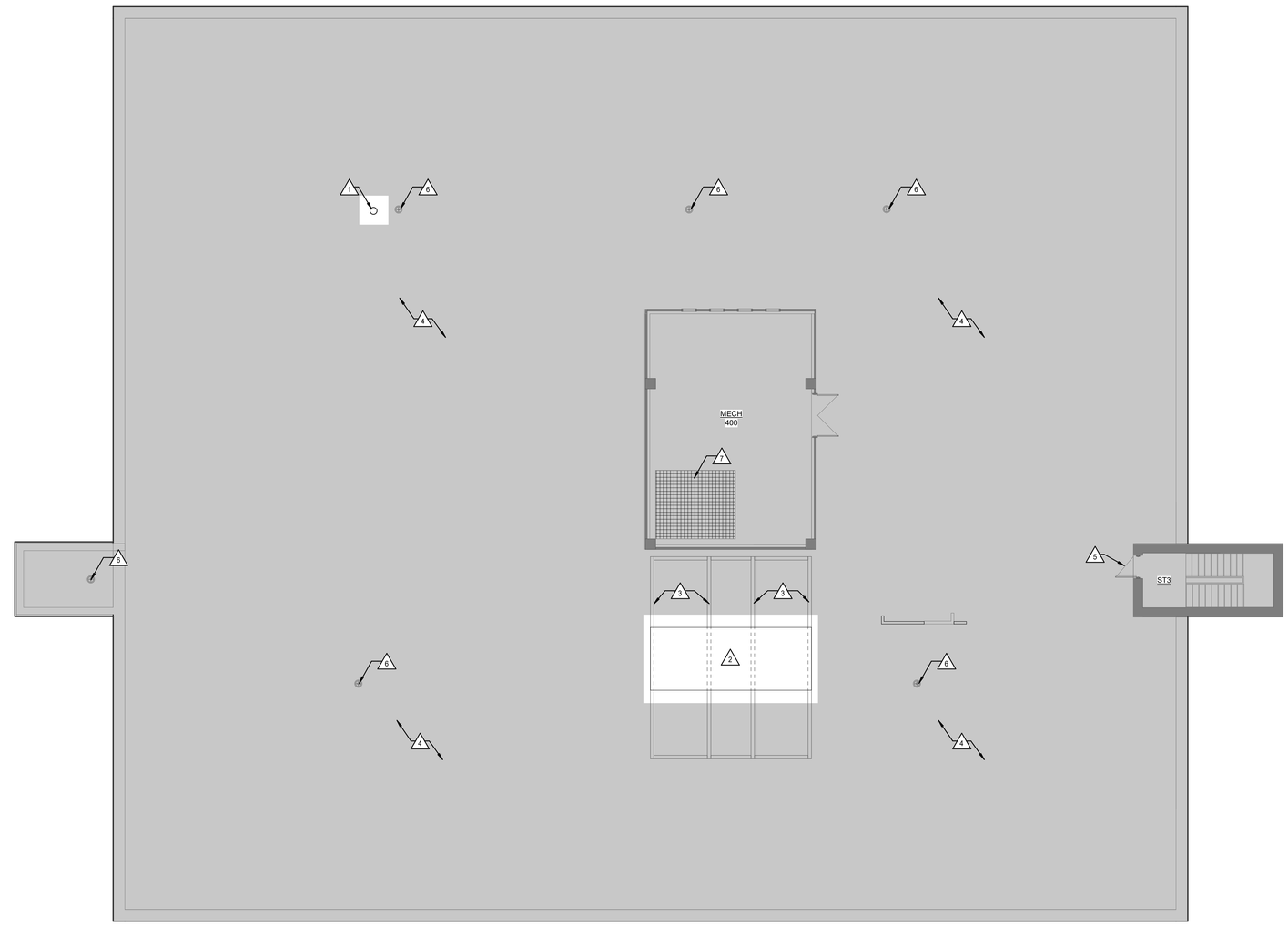
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
SECTIONS & DETAILS

HTK PROJECT NUMBER:
2312.03

SHEET NUMBER:
A301

ORIGINAL CONTRACT DOCUMENTS



1 ROOF PLAN
1/8" = 1'-0"

NORTH

ROOF PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. NEW ROOF PENETRATION; PATCH AS REQ'D, EXISTING ROOF IS BELIEVED TO BE TAMKO; MODIFIED BITUMEN, NOT IN WARRANTY
2. NEW RTU; REF MEP
3. RTU RAILS AS REQ'D FOR NEW RTU; REF MEP
4. EXISTING ROOF TO REMAIN; NO WORK
5. ROOF ACCESS VIA STAIRS
6. EXISTING ROOF DRAIN TO REMAIN
7. EXISTING FLOOR GRATE TO REMAIN

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX.: 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000	-1	CONCRETE
	-2	CONCRETE FLOOR SLAB
	-3	VAPOR BARRIER
	-4	WELDED WIRE FABRIC
	-5	STEEL REINFORCING BAR
055000	-1	STEEL ANGLE
	-5	STEEL LINTEL
	-8	STEEL PLATE
061000	-2	2X WOOD BLOCKING (")
	-4	PLYWOOD BACKER
064116	-1	PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
	-3	CABINET LINER LAMINATE
	-5	PLYWOOD
	-6	3MM EDGE MOLDING
	-10	DOOR HINGE
	-11	DOOR/DRAWER PULL
	-12	MAGNETIC CATCH
	-13	DRAWER
	-14	SHELF SUPPORTS
	-15	COUNTERTOP SUPPORT BRACKET
072100	-4	BUILDING INSULATION - FACED (R-)
	-5	SILL SEALER
	-6	SAFING INSULATION
076200	-1	SHEET METAL FLASHING AND COUNTERFLASHING
079200	-1	JOINT SEALANT - RAKE
	-2	JOINT FILLER
	-3	GASKET
	-4	BACKER ROD
081113	-2	HOLLOW METAL FRAME
	-3	FRAME ANCHOR
081416	-1	FLUSH WOOD DOOR
083113	-1	ACCESS DOOR
	-2	ACCESS DOOR FRAME
084113	-1	ALUMINUM ENTRANCE DOOR
	-2	ALUMINUM STOREFRONT FRAME
088000	-1	GLAZING (AS SCHEDULED)
092216	-1	STEEL STUD (")
	-2	STEEL STUD RUNNER (")
	-3	FURRING CHANNEL
092900	-1	GYPSUM BOARD (")
	-2	FIRE RATED GYPSUM BOARD (")
	-3	CEMENTITIOUS TILE BACKER PANEL
	-4	METAL SUSPENSION SYSTEM
	-5	ACOUSTICAL SEALANT
	-6	ACOUSTICAL INSULATION(")
	-7	METAL EDGE TRIM
	-8	AUXILIARY SUPPORT FRAMING
	-10	HIGH IMPACT GYPSUM BOARD
	-11	INTERIOR FINISHING COMPOUND
093013	-2	GLAZED WALL TILE ("X")
	-4	PORCELAIN FLOOR TILE (" X ")
	-9	METAL EDGE STRIP
095113	-1	ACOUSTICAL PANEL ('X')
	-2	CEILING SUSPENSION SYSTEM
	-3	EDGE MOLD TRIM
	-4	AUXILIARY SUPPORT FRAMING
096513	-1	RESILIENT WALL BASE
	-2	EDGE STRIP
096516	-1	RESILIENT SHEET FLOORING
096519	-1	RESILIENT FLOOR TILE
096813	-1	CARPET TILE
097200	-1	WALL COVERING
099123	-1	INTERIOR PAINT
101100	-1	MARKERBOARD
	-2	TACKBOARD
101400	-1	DIMENSIONAL LETTER SIGNAGE
102113.17-1		PHENOLIC CORE TOILET COMPARTMENT
	-2	URINAL SCREEN
102600	-1	CORNER GUARD
	-2	FRP IMPACT-RESISTANT WALLCOVERING
102800	-1	SOAP DISPENSER
	-2	TOILET TISSUE DISPENSER
	-3	PAPER TOWEL DISPENSER
	-4	FRAMED MIRROR
	-6	SANITARY NAPKIN DISPOSER
	-7	GRAB BAR
	-14	DIAPER CHANGING STATION
104413	-1	FIRE EXTINGUISHER CABINET
122413	-1	ROLLER WINDOW SHADES
123553.13	-1	METAL LABORATORY CASEWORK
123661.16-1		SOLID SURFACE COUNTERTOP
134900	-1	LEAD LINED GYP. BD.
	-2	LEAD GLASS
	-3	HOLLOW METAL FRAME
	-4	LEAD LINED WOOD DOOR

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | TOPEKA, KANSAS 66612 | P 785.266.5373
8300 W 110TH ST., STE. 150 | OVERLAND PARK, KANSAS 66210 | P 913.663.5373
www.htkarchitects.com

LINDA R. KUTA
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

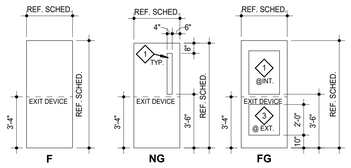
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- ROOF PLAN & DETAILS

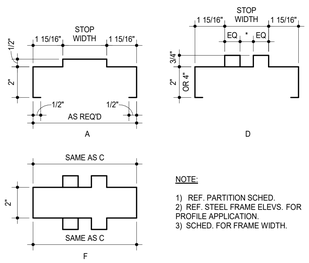
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
A401

ORIGINAL CONTRACT DOCUMENTS



DOOR TYPES



NOTE:

1) REF. PARTITION SCHED.
2) REF. STEEL FRAME ELEVS. FOR PROFILE APPLICATION.
3) SCHED. FOR FRAME WIDTH.

HOLLOW METAL FRAME PROFILES

GLASS SCHEDULE

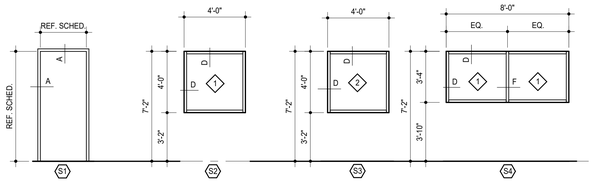
MARK TYPE

1. 1/4" Clear Tempered
2. Glass equivalent to 1/16" lead lining
3. 1" Insulating
   A) Exterior 1/4" Tinted

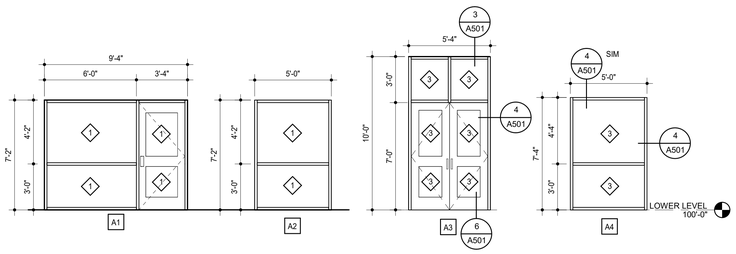
DOOR & FRAME SCHEDULE NOTES

- Field verify conditions at all exist. openings & modify as req'd to fit.
- All aluminum frames are 4 1/2" deep and 2" wide - u.n.o.
- All steel welded frames are 3/4" wider than nominal wall width - u.n.o.
- All doors are 1 3/4" thick unless noted otherwise.
- Letters in parentheses ( ) A, B, C, D, E, & F at top of various columns in the schedule are for column identification & are clarified as follows:

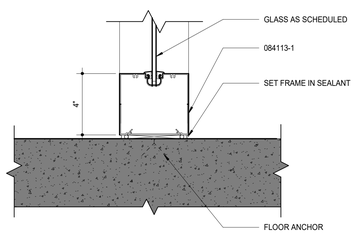
(A) To identify DOOR TYPES refer to DOOR TYPES this sheet.
(B) For DOOR MATERIAL AND FRAME MATERIAL:
A = Aluminum W = Wood
(C) To identify FRAME TYPES refer to HOLLOW METAL FRAME ELEVATIONS & ALUMINUM FRAME ELEVATIONS.
(D) FRAME DETAILS are referenced and shown as follows, unless noted otherwise: Frame Details are referenced in Door and Frame Schedule, and shown on this sheet. Hollow Metal Frame Profiles are referenced on Hollow Metal Frame Elevations, and shown on this sheet. Glass types are shown on Frame Elevations.
(E) SCHEDULE NOTES:
1. 1/32" Lead Lined Door
2. Provide Card Reader
3. New door & frame in existing wall; overcut opening as req'd for opening reinforcement
4. New hardware in existing door
5. Prep for future card reader.



HOLLOW METAL FRAMES

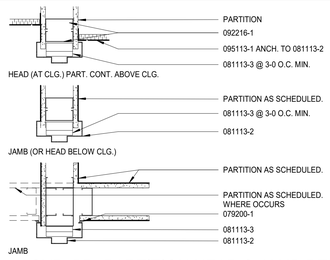


ALUMINUM FRAMES



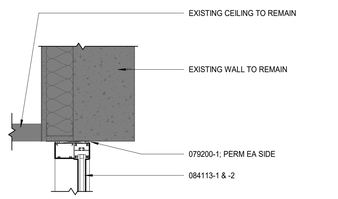
1 ALUMINUM SIDELIGHT SILL DETAIL

3" = 1'-0"



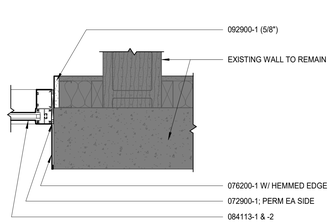
2 GYP. BD. PARTITION HEAD & JAMB DTL

1 1/2" = 1'-0"



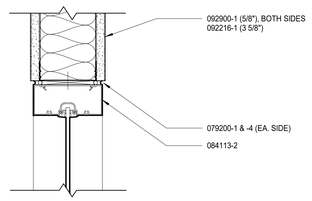
3 ALUM HEAD @ EXT. WALL

1 1/2" = 1'-0"



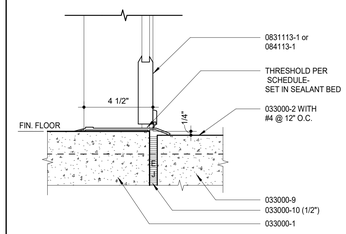
4 ALUM JAMB @ EXIST WALL

1 1/2" = 1'-0"



5 ALUM. STOREFRONT INT. FRAME

3" = 1'-0"



6 THRESHOLD @ AL. STOREFRONT DOOR

3" = 1'-0"

DOOR AND FRAME SCHEDULE

		DOOR				FRAME						
	OPENING SIZE						DETAILS ON A501 U.N.O.					
MARK	W	H	TYPE (A)	MATERIAL (B)	MATERIAL (B)	TYPE (C)	HEAD (D)	JAMB (D)	OTHER (D)	RATING	NOTES (E)
100	5'-0"	7'-0"	FG	A	A	A3	3	4	6		5
100R	3'-0"	7'-0"	EXIST	W	HM	EXIST	EXIST	EXIST			4
101R	3'-0"	7'-0"	EXIST	W	HM	EXIST	EXIST	EXIST			4
104	3'-0"	7'-0"	F	W	HM	S1				45	4
107	3'-0"	7'-0"	NG	W	HM	S1	2	2			
108A	3'-0"	7'-0"	F	W	HM	S1	2	2			
108B	3'-0"	7'-0"	F	W	HM	S1	2	2			
109	4'-0"	7'-0"	NG	W	HM	S1	2	2			
110A	4'-0"	7'-0"	NG	W	HM	S1	2	2			
110B	4'-0"	7'-0"	NG	W	HM	S1	2	2			
110C	4'-0"	7'-0"	NG	W	HM	S1	2	2			
111	3'-0"	7'-0"	NG	W	HM	S1	2	2			
112	4'-0"	7'-0"	NG	W	HM	S1	2	2			
112A	4'-0"	7'-0"	F	W	HM	S1	2	2			
116	4'-0"	7'-0"	F	W	HM	S1	2	2			1
117A	3'-0"	7'-0"	F	W	HM	S1	2	2			1
117B	3'-0"	7'-0"	NG	W	HM	S1	2	2			
118A	4'-0"	7'-0"	F	W	HM	S1	2	2			1
118B	3'-0"	7'-0"	F	W	HM	S1	2	2			1
119	3'-0"	7'-0"	NG	W	HM	S1	2	2			2
200RR	3'-0"	7'-0"	F	W	HM	S1	2	2			
201A	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201B	3'-0"	7'-0"	F	W	HM	S1	2	2			
201C	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201D	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201E	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201F	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201G	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201H	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201H3	3'-0"	7'-0"	NG	W	HM	S1	2	2			3
201J	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201K	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201L	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201M	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201N	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201O	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201P	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201Q	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201RR	3'-0"	7'-0"	F	W	HM	S1	2	2			
201T	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201U	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201V	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201W	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201X	3'-0"	7'-0"	NG	W	HM	S1	2	2			
201Y	3'-0"	7'-0"	NG	W	HM	S1	2	2			
207	3'-0"	7'-0"	NG	W	HM	S1	2	2			
208	3'-0"	7'-0"	NG	W	HM	S1	2	2			
209	3'-0"	7'-0"	F	W	HM	S1	2	2			
210	3'-0"	7'-0"	FG	A	A	A1	5	5	1		
210A	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210B	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210C	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210D	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210E	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210F	3'-0"	7'-0"	F	W	HM	S1	2	2			
210G	3'-0"	7'-0"	NG	W	HM	S1	2	2			
210H	3'-0"	7'-0"	NG	W	HM	S1	2	2			
300A	3'-0"	7'-0"	EXIST	ALUM	A	EXIST	EXIST	EXIST			4
300B	3'-0"	7'-0"	EXIST	ALUM	A	EXIST	EXIST	EXIST			4
301	3'-0"	7'-0"	FG	A	A	A1	5	5	1		
301A	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301B	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301C	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301D	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301E	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301F	3'-0"	7'-0"	F	W	HM	S1	2	2			
301G	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301H	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301I	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301J	3'-0"	7'-0"	NG	W	HM	S1	2	2			
301K	3'-0"	7'-0"	NG	W	HM	S1	2	2			
302	3'-0"	7'-0"	NG	W	HM	S1	2	2			
305	4'-0"	7'-0"	F	W	HM	S1	2	2			
306	3'-0"	7'-0"	NG	W	HM	S1	2	2			
306A	3'-0"	7'-0"	F	W	HM	S1	2	2			
307	3'-0"	7'-0"	FG	A	A	A1	5	5	1		
307B	3'-0"	7'-0"	NG	W	HM	S1	2	2			
307C	3'-0"	7'-0"	NG	W	HM	S1	2	2			
307D	3'-0"	7'-0"	NG	W	HM	S1	2	2			
308	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309	3'-0"	7'-0"	FG	A	A	A1	5	5	1		
309A	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309B	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309C	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309D	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309E	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309F	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309G	3'-0"	7'-0"	F	W	HM	S1	2	2			
309H	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309J	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309K	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309L	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309M	3'-0"	7'-0"	NG	W	HM	S1	2	2			
309N	3'-0"	7'-0"	F	W	HM	S1	2	2			
310	3'-0"	7'-0"	NG	W	HM	S1	2	2			
311	3'-0"	7'-0"	NG	W	HM	S1	2	2			
311A	3'-0"	7'-0"	F	W	HM	S1	2	2			
312	3'-0"	7'-0"	NG	W	HM	S1	2	2			
313	3'-0"	7'-0"	NG	W	HM	S1	2	2			

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX.: 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000 -1 CONCRETE
-2 CONCRETE FLOOR SLAB
-3 VAPOR BARRIER
-4 WELDED WIRE FABRIC
-5 STEEL REINFORCING BAR
055000 -1 STEEL ANGLE
-5 STEEL LINTEL
-8 STEEL PLATE
061000 -2 2X WOOD BLOCKING (")
-4 PLYWOOD BACKER
064116 -1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
-3 CABINET LINER LAMINATE
-5 PLYWOOD
-6 3MM EDGE MOLDING
-10 DOOR HINGE
-11 DOOR/DRAWER PULL
-12 MAGNETIC CATCH
-13 DRAWER
-14 SHELF SUPPORTS
-15 COUNTERTOP SUPPORT BRACKET
072100 -4 BUILDING INSULATION - FACED (R-)
-5 SILL SEALER
-6 SAFING INSULATION
076200 -1 SHEET METAL FLASHING AND COUNTERFLASHING
079200 -1 JOINT SEALANT - RAKE
-2 JOINT FILLER
-4 BACKER ROD
081113 -2 HOLLOW METAL FRAME
-3 FRAME ANCHOR
081416 -1 FLUSH WOOD DOOR
083113 -1 ACCESS DOOR
-2 ACCESS DOOR FRAME
084113 -1 ALUMINUM ENTRANCE DOOR
-2 ALUMINUM STOREFRONT FRAME
088000 -1 GLAZING (AS SCHEDULED)
092216 -1 STEEL STUD (")
-2 STEEL STUD RUNNER (")
-3 FURRING CHANNEL
092900 -1 GYPSUM BOARD (")
-2 FIRE RATED GYPSUM BOARD (")
-3 CEMENTITIOUS TILE BACKER PANEL
-4 METAL SUSPENSION SYSTEM
-5 ACOUSTICAL SEALANT
-6 ACOUSTICAL INSULATION(")
-7 METAL EDGE TRIM
-8 AUXILIARY SUPPORT FRAMING
-10 HIGH IMPACT GYPSUM BOARD
-11 INTERIOR FINISHING COMPOUND
093013 -2 GLAZED WALL TILE ("X")
-4 PORCELAIN FLOOR TILE (" X ")
-9 METAL EDGE STRIP
095113 -1 ACOUSTICAL PANEL ('X')
-2 CEILING SUSPENSION SYSTEM
-3 EDGE MOLD TRIM
-4 AUXILIARY SUPPORT FRAMING
096513 -1 RESILIENT WALL BASE
-2 EDGE STRIP
096516 -1 RESILIENT SHEET FLOORING
096519 -1 RESILIENT FLOOR TILE
096813 -1 CARPET TILE
097200 -1 WALL COVERING
099123 -1 INTERIOR PAINT
101100 -1 MARKERBOARD
-2 TACKBOARD
101400 -1 DIMENSIONAL LETTER SIGNAGE
102113.17-1 PHENOLIC CORE TOILET COMPARTMENT
-2 URINAL SCREEN
102600 -1 CORNER GUARD
-2 FRP IMPACT-RESISTANT WALLCOVERING
102800 -1 SOAP DISPENSER
-2 TOILET TISSUE DISPENSER
-3 PAPER TOWEL DISPENSER
-4 FRAMED MIRROR
-6 SANITARY NAPKIN DISPOSER
-7 GRAB BAR
-14 DIAPER CHANGING STATION
104413 -1 FIRE EXTINGUISHER CABINET
122413 -1 ROLLER WINDOW SHADES
123553.13 -1 METAL LABORATORY CASEWORK
123661.16-1 SOLID SURFACE COUNTERTOP
134900 -1 LEAD LINED GYP. BD.
-2 LEAD GLASS
-3 HOLLOW METAL FRAME
-4 LEAD LINED WOOD DOOR

HTK ARCHITECTS
500 S. KANSAS AVE., SUITE 200 TOPEKA, KANSAS 66612 P 785.266.5373
8300 W 110TH ST., STE. 150 OVERLAND PARK, KS 66210 P 913.663.5373
www.htkarchitects.com

TREVA R. KUTA LICENSED 6833 07/16/2024 KANSAS ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

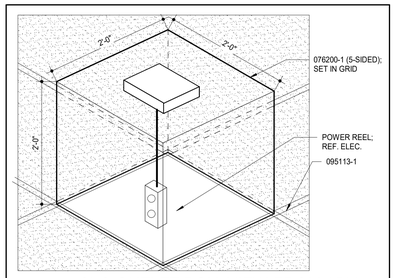
SHEET CONTENTS:
- DOOR, FRAME, & WINDOW SCHEDULES & DETAILS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

A501

ORIGINAL CONTRACT DOCUMENTS



2 CLG OUTLET BOX, VIEW FROM ABV
1" = 1'-0"

1 REFLECTED CEILING PLAN - LOWER LEVEL
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN LEGEND

TYPICAL CEILING TAG → A1 12'-8" (CEILING TYPE; HEIGHT OF CEILING ABOVE FLOOR)

TYPE

- TYPE A: CEILING TILE & GRID 2'-0" X 2'-0" ACOUSTICAL
- TYPE A: CEILING TILE & GRID 2'-0" X 4'-0" ACOUSTICAL
- TYPE G: PAINTED GYP. BD. & MTL. STUD SOFFIT
- 2'-0" X 2'-0" LIGHT FIXTURE, REF. ELEC.
- 2'-0" X 4'-0" LIGHT FIXTURE, REF. ELEC.
- STRIP LIGHT FIXTURE, REF. ELEC.
- DOWNLIGHT FIXTURE, REF. ELEC.
- CEILING REGISTER, REF. MECH.
- CEILING RETURN, REF. MECH.
- * POWER REEL; REF. ELEC. & 2/A600

REFLECTED CEILING PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. REINSTALL EXISTING LIGHT FIXTURE IN NEW CEILING SYSTEM OTHER THAN AS REQ'D FOR SPRINKLER & OTHER MEP WORK SHOWN
2. EXISTING CEILING TO REMAIN; PATCH AS REQ'D
3. REPLACE LIGHTING; REF. ELEC.
4. PAINT EXISTING SOFFIT FACE & VERTICAL WALLS OF SOFFIT, EA SIDE OF WALL
5. SECURITY CAMERA; REF MEP. REMOVE & RESET TILE AS NEEDED TO INSTALL CONDUIT & CABLING
6. PATCH CEILING GRID & TILE TO NEW WALL
7. FABRIC-WRAPPED PANELS SUSPENDED FROM CEILING
8. PROVIDE CEILING GRID & RE-INSTALL EXISTING CEILING TILE
9. ALIGN GRID WITH WALL
10. REMOVE AND REINSTALL GRID AS REQ'D FOR INSTALLATION OF NEW DUCTWORK
11. NOT USED
12. WRAP EXISTING HEADER IN G1a WALL TYPE
13. "X-RAY IN USE" SIGN. REF. MEP
14. EQUIPMENT; OWNER FURNISHED & INSTALLED
15. DOCUMENT CAMERA PROVIDED BY OWNER

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | TOPEKA, KANSAS 66612 | P 785.266.5373
8300 W 110TH ST., STE. 150 | OVERLAND PARK, KANSAS 66210 | P 913.663.5373
www.htkarchitects.com

LISA R. KUTTER LICENSED 6833 07/16/2024 KANSAS ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

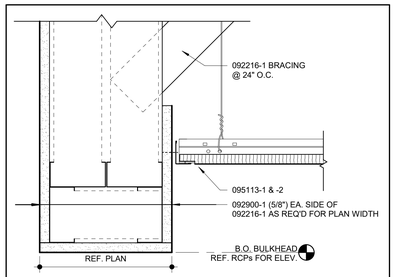
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- REFLECTED CEILING PLAN - LOWER LEVEL

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
A601

ORIGINAL CONTRACT DOCUMENTS



2 TYP. BULKHEAD
3" = 1'-0"

1 REFLECTED CEILING PLAN - MAIN LEVEL
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN LEGEND

TYPICAL CEILING TAG — AT 12'-8" — CEILING TYPE; HEIGHT OF CEILING ABOVE FLOOR

TYPE

- TYPE A: CEILING TILE & GRID 2'-0" X 2'-0" ACOUSTICAL
- TYPE A: CEILING TILE & GRID 2'-0" X 4'-0" ACOUSTICAL
- TYPE G: PAINTED GYP. BD. & MTL. STUD SOFFIT
- 2'-0" X 2'-0" LIGHT FIXTURE, REF. ELEC.
- 2'-0" X 4'-0" LIGHT FIXTURE, REF. ELEC.
- STRIP LIGHT FIXTURE, REF. ELEC.
- DOWNLIGHT FIXTURE, REF. ELEC.
- CEILING REGISTER, REF. MECH.
- CEILING RETURN, REF. MECH.
- * POWER REEL; REF. ELEC. & 2/A600

REFLECTED CEILING PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. REINSTALL EXISTING LIGHT FIXTURE IN NEW CEILING SYSTEM OTHER THAN AS REQ'D FOR SPRINKLER & OTHER MEP WORK SHOWN
2. EXISTING CEILING TO REMAIN; PATCH AS REQ'D
3. REPLACE LIGHTING; REF. ELEC.
4. PAINT EXISTING SOFFIT FACE & VERTICAL WALLS OF SOFFIT, EA SIDE OF WALL
5. SECURITY CAMERA; REF MEP. REMOVE & RESET TILE AS NEEDED TO INSTALL CONDUIT & CABLING
6. PATCH CEILING GRID & TILE TO NEW WALL
7. FABRIC-WRAPPED PANELS SUSPENDED FROM CEILING
8. PROVIDE CEILING GRID & RE-INSTALL EXISTING CEILING TILE
9. ALIGN GRID WITH WALL
10. REMOVE AND REINSTALL GRID AS REQ'D FOR INSTALLATION OF NEW DUCTWORK
11. NOT USED
12. WRAP EXISTING HEADER IN G1a WALL TYPE
13. "X-RAY IN USE" SIGN. REF. MEP
14. EQUIPMENT; OWNER FURNISHED & INSTALLED
15. DOCUMENT CAMERA PROVIDED BY OWNER

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.5373
www.htkarchitects.com

TERESA R. KUTTER
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

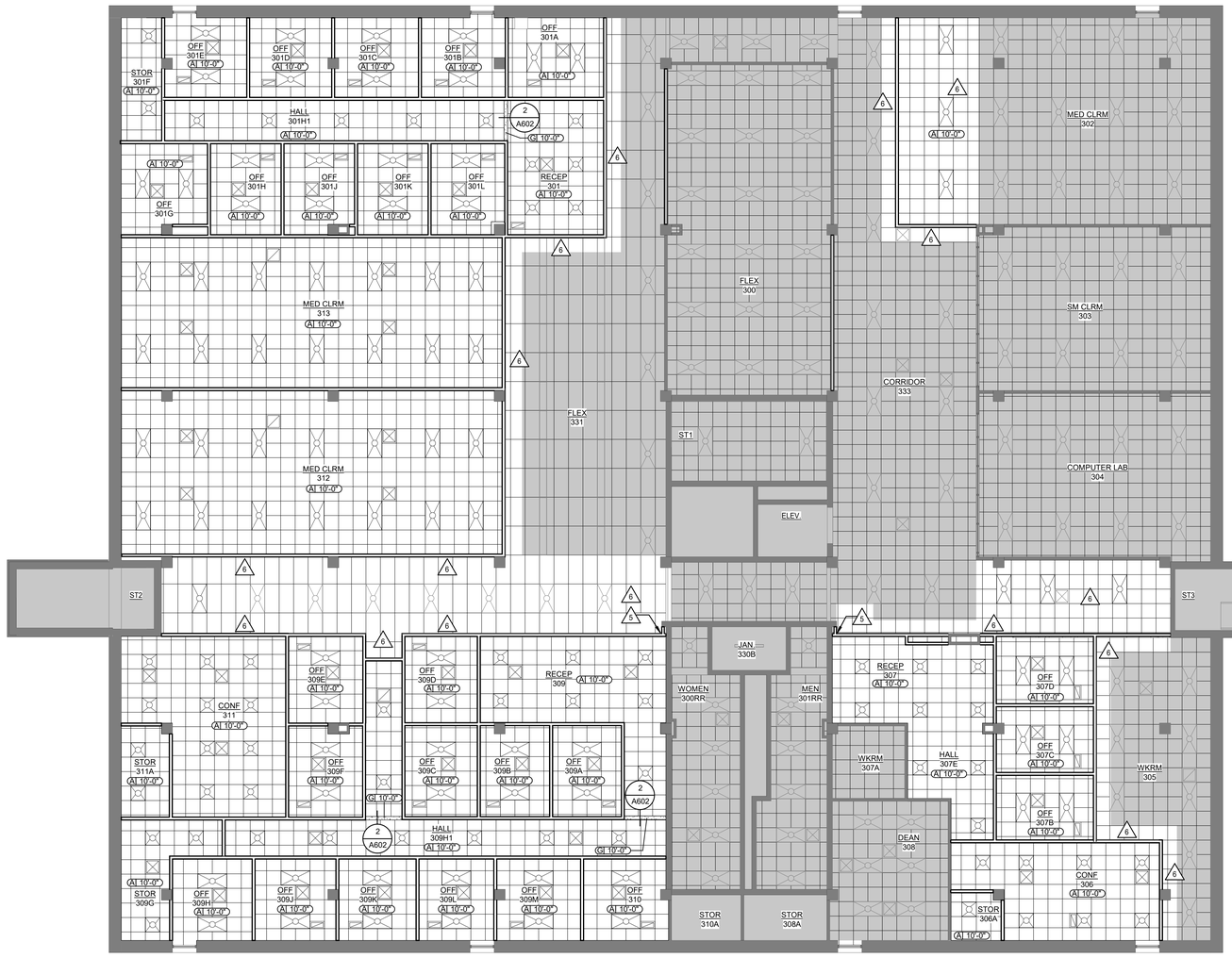
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
REFLECTED CEILING PLAN - MAIN LEVEL

HTK PROJECT NUMBER:
2312.03

SHEET NUMBER:
A602

ORIGINAL CONTRACT DOCUMENTS



1 REFLECTED CEILING PLAN - UPPER LEVEL
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN LEGEND

TYPICAL CEILING TAG — A1 12'-8" — CEILING TYPE; HEIGHT OF CEILING ABOVE FLOOR

TYPE

- TYPE A: CEILING TILE & GRID 2'-0" X 2'-0" ACOUSTICAL
- TYPE A: CEILING TILE & GRID 2'-0" X 4'-0" ACOUSTICAL
- TYPE G: PAINTED GYP. BD. & MTL. STUD SOFFIT
- 2'-0" X 2'-0" LIGHT FIXTURE, REF. ELEC.
- 2'-0" X 4'-0" LIGHT FIXTURE, REF. ELEC.
- STRIP LIGHT FIXTURE, REF. ELEC.
- DOWNLIGHT FIXTURE, REF. ELEC.
- CEILING REGISTER, REF. MECH.
- CEILING RETURN, REF. MECH.
- * POWER REEL; REF. ELEC. & 2/A600

REFLECTED CEILING PLAN NOTES

GENERAL: COORDINATE WITH WORK SHOWN ON MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS

1. REINSTALL EXISTING LIGHT FIXTURE IN NEW CEILING SYSTEM OTHER THAN AS REQ'D FOR SPRINKLER & OTHER MEP WORK SHOWN
2. EXISTING CEILING TO REMAIN; PATCH AS REQ'D
3. REPLACE LIGHTING; REF. ELEC.
4. PAINT EXISTING SOFFIT FACE & VERTICAL WALLS OF SOFFIT, EA SIDE OF WALL
5. SECURITY CAMERA; REF MEP. REMOVE & RESET TILE AS NEEDED TO INSTALL CONDUIT & CABLING
6. PATCH CEILING GRID & TILE TO NEW WALL
7. FABRIC-WRAPPED PANELS SUSPENDED FROM CEILING
8. PROVIDE CEILING GRID & RE-INSTALL EXISTING CEILING TILE
9. ALIGN GRID WITH WALL
10. REMOVE AND REINSTALL GRID AS REQ'D FOR INSTALLATION OF NEW DUCTWORK
11. NOT USED
12. WRAP EXISTING HEADER IN G1a WALL TYPE
13. "X-RAY IN USE" SIGN. REF. MEP
14. EQUIPMENT; OWNER FURNISHED & INSTALLED
15. DOCUMENT CAMERA PROVIDED BY OWNER

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.5373
www.htkarchitects.com

LISA R. KUTTER
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

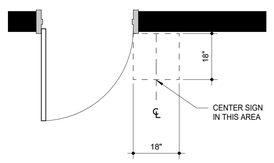
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- REFLECTED CEILING PLAN - UPPER LEVEL

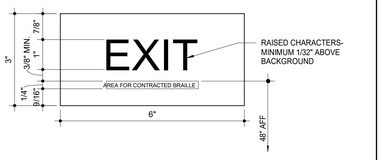
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
A603

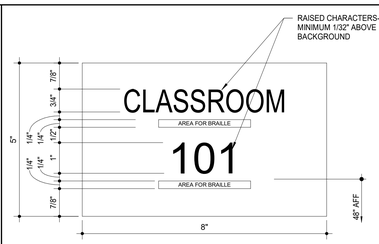
ORIGINAL CONTRACT DOCUMENTS



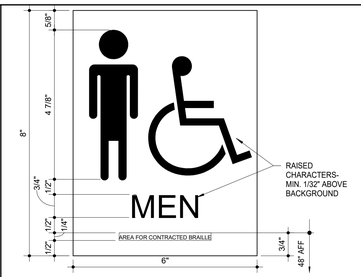
1 SIGN LOCATION DETAIL
1/2" = 1'-0"



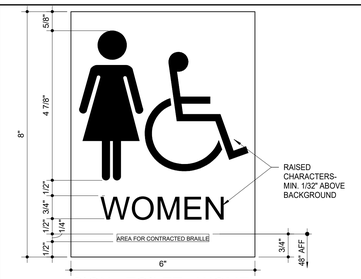
E SIGN - EXIT
6" = 1'-0"



A SIGN - STANDARD ROOM SIGN
6" = 1'-0"

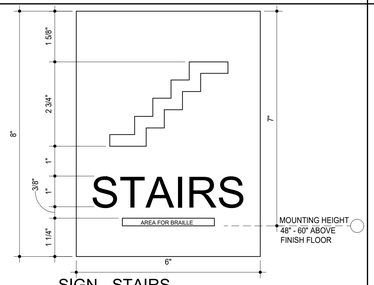


M SIGN - TOILET - MEN
6" = 1'-0"

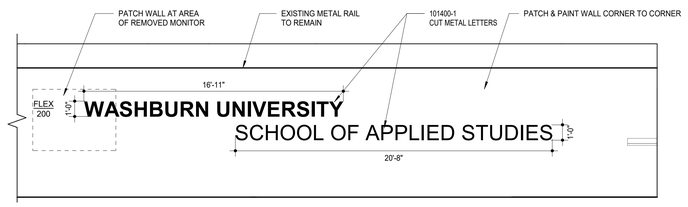


W SIGN - TOILET - WOMEN
6" = 1'-0"

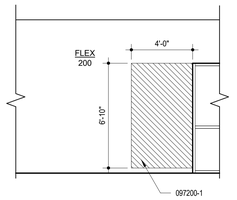
R SIGN - TOILET - COMMON
6" = 1'-0"



S SIGN - STAIRS
6" = 1'-0"

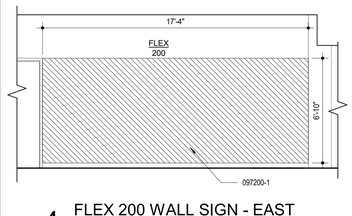


2 RM 002 WALL SIGN - WEST
1/4" = 1'-0"

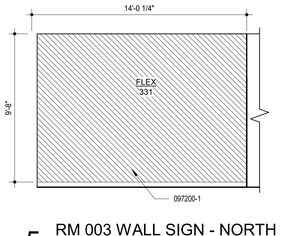


3 FLEX 200 WALL SIGN - SOUTH
1/4" = 1'-0"

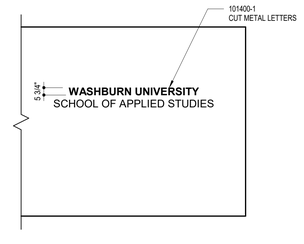
F SIGN - IN CASE OF FIRE
6" = 1'-0"



4 FLEX 200 WALL SIGN - EAST
1/4" = 1'-0"



5 RM 003 WALL SIGN - NORTH
1/4" = 1'-0"



6 EXTERIOR SIGN - MAIN LEVEL
1/4" = 1'-0"

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX., 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000	-1	CONCRETE	092900	-1	GYPSUM BOARD (")
	-2	CONCRETE FLOOR SLAB		-2	FIRE RATED GYPSUM BOARD (")
	-3	VAPOR BARRIER		-3	CEMENTITIOUS TILE BACKER PANEL
	-4	WELDED WIRE FABRIC		-4	METAL SUSPENSION SYSTEM
	-5	STEEL REINFORCING BAR		-5	ACOUSTICAL SEALANT
055000	-1	STEEL ANGLE		-6	ACOUSTICAL INSULATION(")
	-5	STEEL LINTEL		-7	METAL EDGE TRIM
	-8	STEEL PLATE		-8	AUXILIARY SUPPORT FRAMING
061000	-2	2X WOOD BLOCKING (")		-10	HIGH IMPACT GYPSUM BOARD
	-4	PLYWOOD BACKER		-11	INTERIOR FINISHING COMPOUND
064116	-1	PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS	093013	-2	GLAZED WALL TILE ("X")
	-3	CABINET LINER LAMINATE		-4	PORCELAIN FLOOR TILE ("X ")
	-5	PLYWOOD		-9	METAL EDGE STRIP
	-6	3MM EDGE MOLDING	095113	-1	ACOUSTICAL PANEL ("X")
	-10	DOOR HINGE		-2	CEILING SUSPENSION SYSTEM
	-11	DOOR/DRAWER PULL		-3	EDGE MOLD TRIM
	-12	MAGNETIC CATCH		-4	AUXILIARY SUPPORT FRAMING
	-13	DRAWER	096513	-1	RESILIENT WALL BASE
	-14	SHELF SUPPORTS		-2	EDGE STRIP
	-15	COUNTERTOP SUPPORT BRACKET	096516	-1	RESILIENT SHEET FLOORING
072100	-4	BUILDING INSULATION - FACED (R-)	096519	-1	RESILIENT FLOOR TILE
	-5	SILL SEALER	096813	-1	CARPET TILE
	-6	SAFING INSULATION	097200	-1	WALL COVERING
076200	-1	SHEET METAL FLASHING AND COUNTERFLASHING	099123	-1	INTERIOR PAINT
			101100	-1	MARKERBOARD
079200	-1	JOINT SEALANT - RAKE		-2	TACKBOARD
	-2	JOINT FILLER	101400	-1	DIMENSIONAL LETTER SIGNAGE
	-3	GASKET	102113.17-1		PHENOLIC CORE TOILET COMPARTMENT
	-4	BACKER ROD		-2	URINAL SCREEN
081113	-2	HOLLOW METAL FRAME	102600	-1	CORNER GUARD
	-3	FRAME ANCHOR		-2	FRP IMPACT-RESISTANT WALLCOVERING
081416	-1	FLUSH WOOD DOOR	102800	-1	SOAP DISPENSER
083113	-1	ACCESS DOOR		-2	TOILET TISSUE DISPENSER
	-2	ACCESS DOOR FRAME		-3	PAPER TOWEL DISPENSER
084113	-1	ALUMINUM ENTRANCE DOOR		-4	FRAMED MIRROR
	-2	ALUMINUM STOREFRONT FRAME		-6	SANITARY NAPKIN DISPOSER
				-7	GRAB BAR
088000	-1	GLAZING (AS SCHEDULED)		-14	DIAPER CHANGING STATION
092216	-1	STEEL STUD (")	104413	-1	FIRE EXTINGUISHER CABINET
	-2	STEEL STUD RUNNER (")	122413	-1	ROLLER WINDOW SHADES
	-3	FURRING CHANNEL	123553.13	-1	METAL LABORATORY CASEWORK
			123661.16	-1	SOLID SURFACE COUNTERTOP
			134900	-1	LEAD LINED GYP. BD.
				-2	LEAD GLASS
				-3	HOLLOW METAL FRAME
				-4	LEAD LINED WOOD DOOR

SIGN SCHEDULE GENERAL NOTES

1. THE ROOM NUMBER AND ROOM NAME-TEXT ARE THE CHARACTERS TO BE PRINTED ON THE SIGN, U.N.O.
2. ALL SIGNS ADJACENT TO DOORS OR OPENINGS TO BE LOCATED ACCORDING TO DETAIL 1/A801
3. SIGNS LOCATED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS ARE TO BE INSTALLED TO THE RIGHT OF THE RIGHT HAND DOOR.
4. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OR THE RIGHT SIDE OF DOUBLE DOORS, SIGN IS TO BE LOCATED AT THE NEAREST ADJACENT WALL.
5. WHERE SIGNS ARE SHOWN ON GLASS, PROVIDE BACKPLATE.
6. SIGNAGE AT DOORS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18"X18" MINIMUM, CENTERED ON THE SIGN, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
7. ALL INTERIOR AND EXTERIOR SIGNAGE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
8. COORDINATE FINAL SIGNAGE WORDING AND NUMBERING PRIOR TO FABRICATION.
9. SIGNAGE SHALL BE COORDINATED WITH ADA REQUIREMENTS. ALL LETTERS, NUMERALS, PICTOGRAMS, AND BRAILLE LETTERS SHALL BE TYPE RAISED 1/32" FROM THE BACKGROUNDS; CAPITAL LETTERS ONLY WITH SHARP EDGES, U.N.O.
10. ALL SIGNAGE REQUIRING PICTOGRAMS SHALL HAVE A BORDER DIMENSION OF 6" TYP. (THE UNOBSTRUCTED FIELD WITHIN WHICH THE PICTOGRAM IS LOCATED).
11. ALL SIGNS DESIGNATING PERMANENT ROOMS AND SPACES SHALL BE LOCATED ADJ. TO THE STRIKE JAMB/ LATCH SIDE OF THE DOOR. IF WALL SPACE ADJACENT TO THE STRIKE JAMB IS NOT AVAILABLE, THEN THE SIGN SHALL BE PLACED ON THE NEAREST ADJ. WALL OR PARTITION, U.N.O. THE MOUNTING LOCATION SHALL BE SUCH THAT A PERSON CAN APPROACH TO WITHIN 3" OF THE SIGN WITHOUT ENCOUNTERING ANY PROTRUDING OBJECTS OR HAVING TO STAND WITH THE SWING OF THE DOOR. LOCATION OF SIGNS SHALL COMPLY WITH ALL APPLICABLE CODES.
12. REFER TO PLANS FOR SIGN LOCATION PLAN MARKS UNLESS ADDITIONALLY NOTED. SIGN PLAN MARKS ARE INDICATED AS:
13. PANEL SIGNS BY ALLOWANCE. SHOWN TO ASSIST WITH ANTICIPATED ALLOWANCE AMOUNT. VINYL WALL GRAPHICS & DIMENSIONAL SIGNAGE TO BE INCLUDED IN BASE BID COST.

NOTES:
REFER TO SECTIONS AND DETAILS ON ALL OTHER SHEETS FOR APPLICABLE NOTES NOT SHOWN.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66612 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.3373
www.htkarchitects.com

JANA R. KUTA
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- SIGNAGE

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
A801
ORIGINAL CONTRACT DOCUMENTS

TALL CABINETS:

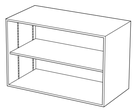
OPEN
T1

j) 30w x 84h x 14d
p) 36w x 84h x 24d

DOOR
T2

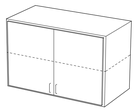
p) 36w x 84h x 24d

WALL CABINETS:



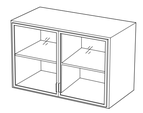
OPEN
W1

E) 24w x 24h x 14d
p) 36w x 24h x 14d
q) 36w x 30h x 14d
t) 42w x 24h x 14d



DOOR
W2

j) 30w x 24h x 14d
k) 30w x 30h x 14d
p) 36w x 24h x 14d
q) 36w x 30h x 14d
y) 48w x 24h x 14d



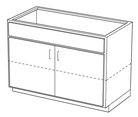
OPEN DIVIDED GLASS DOORS
W9

p) 36w x 30h x 14d

BASE CABINETS:

DOOR DRAWER
B7

j) 30w x 34h x 24d
p) 36w x 34h x 24d

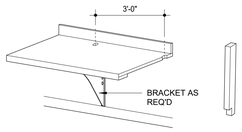


SINK
B8

j) 30w x 34h x 24d
p) 36w x 34h x 24d
y) 48w x 34h x 24d

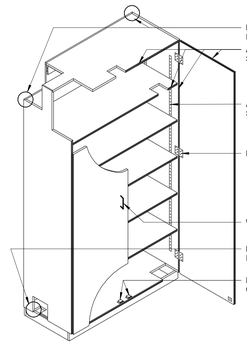
DRAWER
B11

p) 36w x 34h x 24d

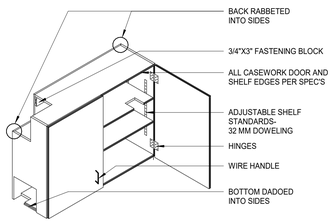


OPEN COUNTER KNEE-SPACE
KS

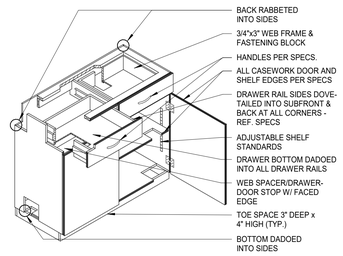
FILLER
F



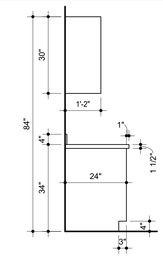
1 TYP. TALL CABINET
3" = 1'-0"



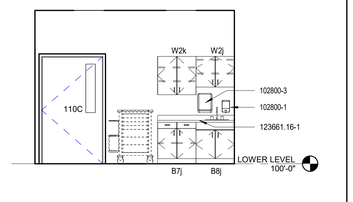
2 TYP. WALL CABINET
3" = 1'-0"



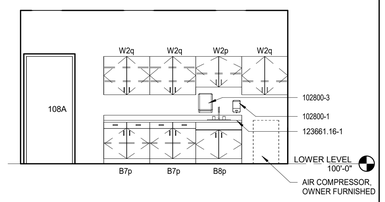
3 TYP. BASE CABINET
3" = 1'-0"



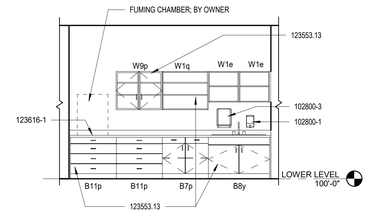
4 TYP. CASEWORK ELEVATIONS
1/2" = 1'-0"



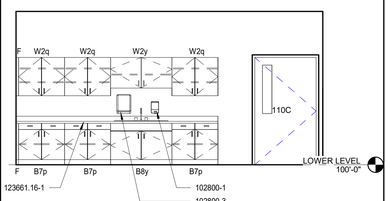
5 SIM LAB 118A - WEST ELEV.
1/4" = 1'-0"



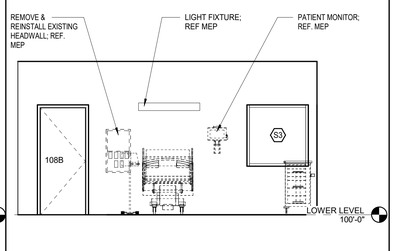
6 PREP 118B - WEST ELEV.
1/4" = 1'-0"



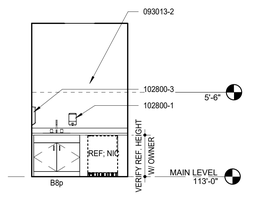
7 FORENSIC LAB 119 - SOUTH ELEV.
1/4" = 1'-0"



8 SHARED LAB/STOR 119A - EAST ELEV.
1/4" = 1'-0"



9 SIM LAB 118A HEADWALL
1/4" = 1'-0"



10 WELLNESS 002A - SOUTH ELEV.
1/4" = 1'-0"

KEYNOTES

NOTE: KEYNOTES ARE DRAWN FROM A MASTER LIST AND MAY NOT BE SEQUENTIALLY NUMBERED. SIZES (EX.: 2x4) OR OTHER INFO. FOLLOWING KEYNOTE ON DRAWINGS INDICATES CRITERIA FOR THOSE MATERIALS/ LOCATIONS WHICH MAY DIFFER FROM THE STD. MATERIAL SPECIFIED.

033000	-1	CONCRETE
	-2	CONCRETE FLOOR SLAB
	-3	VAPOR BARRIER
	-4	WELDED WIRE FABRIC
	-5	STEEL REINFORCING BAR
055000	-1	STEEL ANGLE
	-5	STEEL LINTEL
	-8	STEEL PLATE
061000	-2	2X WOOD BLOCKING (")
	-4	PLYWOOD BACKER
064116	-1	PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
	-3	CABINET LINER LAMINATE
	-5	PLYWOOD
	-6	3MM EDGE MOLDING
	-10	DOOR HINGE
	-11	DOOR/DRAWER PULL
	-12	MAGNETIC CATCH
	-13	DRAWER
	-14	SHELF SUPPORTS
	-15	COUNTERTOP SUPPORT BRACKET
072100	-4	BUILDING INSULATION - FACED (R-)
	-5	SILL SEALER
	-6	SAFING INSULATION
076200	-1	SHEET METAL FLASHING AND COUNTERFLASHING
079200	-1	JOINT SEALANT - RAKE
	-2	JOINT FILLER
	-3	GASKET
	-4	BACKER ROD
081113	-2	HOLLOW METAL FRAME
	-3	FRAME ANCHOR
081416	-1	FLUSH WOOD DOOR
083313	-1	ACCESS DOOR
	-2	ACCESS DOOR FRAME
084113	-1	ALUMINUM ENTRANCE DOOR
	-2	ALUMINUM STOREFRONT FRAME
088000	-1	GLAZING (AS SCHEDULED)
092216	-1	STEEL STUD (")
	-2	STEEL STUD RUNNER (")
	-3	FURRING CHANNEL
092900	-1	GYPSUM BOARD (")
	-2	FIRE RATED GYPSUM BOARD (")
	-3	CEMENTITIOUS TILE BACKER PANEL
	-4	METAL SUSPENSION SYSTEM
	-5	ACOUSTICAL SEALANT
	-6	ACOUSTICAL INSULATION(")
	-7	METAL EDGE TRIM
	-8	AUXILIARY SUPPORT FRAMING
	-10	HIGH IMPACT GYPSUM BOARD
	-11	INTERIOR FINISHING COMPOUND
093013	-2	GLAZED WALL TILE ("X")
	-4	PORCELAIN FLOOR TILE (" X ")
	-9	METAL EDGE STRIP
095113	-1	ACOUSTICAL PANEL (X')
	-2	CEILING SUSPENSION SYSTEM
	-3	EDGE MOLD TRIM
	-4	AUXILIARY SUPPORT FRAMING
096513	-1	RESILIENT WALL BASE
	-2	EDGE STRIP
096516	-1	RESILIENT SHEET FLOORING
096519	-1	RESILIENT FLOOR TILE
096813	-1	CARPET TILE
097200	-1	WALL COVERING
099123	-1	INTERIOR PAINT
101100	-1	MARKERBOARD
	-2	TACKBOARD
101400	-1	DIMENSIONAL LETTER SIGNAGE
102113.17-1		PHENOLIC CORE TOILET COMPARTMENT
102600	-1	CORNER GUARD
	-2	FRP IMPACT-RESISTANT WALLCOVERING
102800	-1	SOAP DISPENSER
	-2	TOILET TISSUE DISPENSER
	-3	PAPER TOWEL DISPENSER
	-4	FRAMED MIRROR
	-6	SANITARY NAPKIN DISPOSER
	-7	GRAB BAR
	-14	DIAPER CHANGING STATION
104413	-1	FIRE EXTINGUISHER CABINET
122413	-1	ROLLER WINDOW SHADES
123553.13-1		METAL LABORATORY CASEWORK
123661.16-1		SOLID SURFACE COUNTERTOP
134900	-1	LEAD LINED OYP. BD.
	-2	LEAD GLASS
	-3	HOLLOW METAL FRAME
	-4	LEAD LINED WOOD DOOR

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200 | 8300 W 110TH ST., STE. 150
TOPEKA, KANSAS 66603 | OVERLAND PARK, KANSAS 66210
P 785.266.5373 | P 913.663.5373
www.htkarchitects.com

TREVA R. KUTTER
LICENSED
6833
07/16/2024
KANSAS
ARCHITECT

DATE:
- July 16, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- FIXED EQUIPMENT ELEVATIONS & DETAILS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

FE101

ORIGINAL CONTRACT DOCUMENTS

MECHANICAL SYMBOLS LEGEND

P-1	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)	CHS	CHILLED HOT SUPPLY
	WASTE LINE ABOVE EARTH (W.)	CHR	CHILLED HOT RETURN
	WASTE LINE IN EARTH (W.)		UNION
CO	CLEAN OUT		FLEXIBLE PIPE CONNECTION
FFCO	FLUSH FLOOR CLEAN OUT		MANUAL DAMPER
FGCO	FLUSH GRADE CLEAN OUT	BD	BACKDRAFT DAMPER
2" FD	FLOOR DRAIN AND TYPE	AD	AUTOMATIC DAMPER
RD	ROOF DRAIN	FD	FIRE DAMPER
ORD	OVERFLOW ROOF DRAIN	FS	FIRE/SMOKE DAMPER
2" RD	ROOF DRAIN AND TYPE	SD	SMOKE DAMPER
	VENT LINE (V.)	6x6 A	GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
	DOMESTIC COLD WATER SUPPLY (DCW)		VOLUME EXTRACTOR AND TURNING VANES
	DOMESTIC HOT WATER SUPPLY (DHW)		RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
	DOMESTIC HOT WATER RETURN (DHWR)		SUPPLY AIR DUCT SECTION UP AND DOWN
HB/36"	HOSE BIBB AND MOUNTING HEIGHT		FLEXIBLE DUCT CONNECTION
WH	WALL HYDRANT		ROUND OR RECTANGULAR DUCT
F	FIRE LINE/STANDPIPE		FLEXIBLE DUCT
D	DRAIN LINE		THERMOSTAT
G	NATURAL GAS LINE	R	REFRIGERANT LIQUID/SUCTION
	RISE & DROP IN PIPE WITH CUT-OFF VALVE	AD	ACCESS DOOR
	REDUCER	AFF	ABOVE FINISHED FLOOR
	CHECK VALVE	EA	EXHAUST AIR
	STOP VALVE	OA	OUTSIDE AIR
	BALANCING VALVE/AUTOFLOW VALVE	RA	RETURN AIR
	PLUG VALVE	SA	SUPPLY AIR
	2-WAY CONTROL VALVE OR SOLENOID VALVE	VBS	VENT BELOW SLAB
	3-WAY CONTROL VALVE OR SOLENOID VALVE	VTR	VENT THRU ROOF
	PRESSURE REDUCING VALVE		CONNECT NEW TO EXISTING
	STRAINER		LOCKABLE GUARD
CWS	CHILLED WATER SUPPLY	VFD	VARIABLE FREQUENCY DRIVE
CWR	CHILLED WATER RETURN	H	EUH
HWS	HOT WATER SUPPLY	C	DSS, COOLING ONLY
HWR	HOT WATER RETURN	H C	DSS, HEATING/COOLING

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS.

NFPA SYMBOLS LEGEND

	SMOKE DETECTOR
S	SMOKE DETECTOR WITH SOUNDER BASE
ISO	SMOKE DETECTOR WITH ISOLATOR BASE
	HEAT DETECTOR
	DUCT DETECTOR
	ADDRESSABLE MANUAL PULL STATION
	DOOR HOLDER
	FLOW DETECTOR/SWITCH
	TAMPER DETECTOR
T	TEST STATION
R	MR101/C SHUTDOWN RELAY, SPDT W/RED
	A/V (WALL MOUNTED) 24 VDC
	STROBE
	BELL ANNUNCIATOR
	HORN/SPEAKER
FCP	FIRE ALARM CONTROL PANEL
	FIREMAN'S PHONE
ARA	AREA RESCUE CALL STATION
ARA M	AREA RESCUE MASTER STATION
ZAM S	SIGNAL ZAM
ZAM C	CONTROL ZAM
ZAM DET	DETECTOR ZAM
IAM	MONITOR MODULE
IAM R	RELAY IAM
PC	GRAPHIC COMMAND CENTER
FAA	REMOTE FIRE ALARM AUDIO
FSA	REMOTE ANNUNCIATOR WITH AUDIO
ANN	ANNUNCIATOR
FSS	FIRE SMOKE DAMPER
NAC	NAC POWER EXTENDER

* ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS

ELECTRICAL SYMBOLS LEGEND

	CONDUIT CONCEALED IN CEILING OR WALL (1 HOT, 1 NEUTRAL, 1 GROUND UNLESS NOTED OTHERWISE)		LOCKABLE GUARD
	CONDUIT CONCEALED IN FLOOR SLAB		JUNCTION BOX
	EXPOSED CONDUIT	S	SWITCH - SINGLE POLE
	HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES	3	SWITCH - 3-WAY
	GROUND WIRE	4	SWITCH - 4-WAY
	GROUNDING ROD	M	SWITCH - MOTION
	SINGLE RECEPTACLE	D	WALL DIMMER IS LUTRON NOVA T #NTSTV-DV, 0-10V, 277V. SLIDE DIMMER
	DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)	M	CEILING MOUNTED, MOTION SENSING SWITCH
U	DUPLEX RECEPTACLE WITH USB OUTLETS	A	LIGHT FIXTURE AND TYPE
SW	SWITCHED DUPLEX RECEPTACLE		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
	FOURPLEX RECEPTACLE		FIXTURE ON LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
	208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED)		LIGHT FIXTURE (WALL MOUNTED)
	GROUND FAULT INTERRUPTER (GFI) DUPLEX RECEPTACLE		EXIT LIGHT (CEILING OR WALL MOUNTED)
	TELE/DATA OUTLET *		FLUSH PANELBOARD (LIGHT & RECEPTACLES)
	PUSHBUTTON		SURFACE PANELBOARD (LIGHT & RECEPTACLES)
VFD	VARIABLE FREQUENCY DRIVE		DISTRIBUTION PANEL OR SWITCHBOARD
ORT	OVERRIDE TIMER	AC	DEVICE LOCATED ABOVE COUNTER
PC	PHOTOCELL	AFF	ABOVE FINISHED FLOOR
	MOTOR	D	DIMMER
	FUSIBLE SWITCH (BUSSMAN SSU)	C	CEILING
	DISCONNECT SWITCH (D.S.)	E	INDICATES EXISTING DEVICE
	COMBINATION MOTOR STARTER (CMS)	BC	BELOW COUNTER
R	RELAY	NL	NIGHTLIGHT FIXTURE, WIRED HOT
	THERMOSTAT	WP	WEATHERPROOF
		AFCI	ARC FAULT CIRCUIT INTERRUPTER
			CONNECT NEW TO EXISTING

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO MECHANICAL SYMBOLS LEGEND FOR MECHANICAL SYMBOLS THAT MAY BE SHOWN ON ELECTRICAL PLANS.

= 4x4 BACKBOX WITH SINGLE GANG PLASTER RING AND A 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.

TELECOMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION	REMARKS
D201/A	TELECOMMUNICATIONS OUTLET WITH ROOM AND TYPE IDENTIFIER	1
W	TELECOMMUNICATIONS OUTLET WALL PHONE PLATE	2
AV	AUDIO/VISUAL OUTLET	3
TV	TELEVISION OUTLET	1
	EMT CONDUIT BY E/C (1 1/4" UNLESS NOTED OTHERWISE)	4
	EMT SLEEVE BY E/C (2" UNLESS NOTED OTHERWISE)	4
AFF	ABOVE FINISHED FLOOR	
T/C	TELECOMMUNICATIONS CONTRACTOR	
E/C	ELECTRICAL CONTRACTOR	
G/C	GENERAL CONTRACTOR	
AC	DEVICE LOCATED ABOVE COUNTER	
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR	
	TELECOMMUNICATIONS CABLING	5
FACP	FIRE ALARM CONTROL PANEL	
SM	SINGLEMODE FIBER	
MM	MULTIMODE FIBER	
WAP	WIRELESS ACCESS POINT	6

TELECOMMUNICATIONS CABLING IDENTIFIER

TELECOM ROOM ← D201/A ← OUTLET TYPE

1 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 W/ SINGLE GANG PLASTER RING AND 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS BY E/C.
2 - 2x4 BACKBOX WITH 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
3 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 WITH DOUBLE GANG PLASTER RING BY E/C. CONDUITS AS INDICATED ON PLANS.
4 - E/C TO PROVIDE CONDUIT BUSHING ON CONDUIT PRIOR TO T/C INSTALLING CABLING.
5 - CABLING SHALL BE SUPPORTED WITH J-HOOKS AT 48" O.C. WHERE NOT IN CONDUIT.
6 - 2x4 SURFACE MOUNT BACKBOX LOCATED ABOVE ACCESSIBLE CEILING.

AUDIO/VISUAL LEGEND

SYMBOL	DESCRIPTION	REMARKS
AV	AUDIO/VISUAL OUTLET	1
AV	AUDIO/VISUAL FLOORBOX/POKE-THRU (REFER TO ELECTRICAL DRAWINGS)	
TS	TOUCH SCREEN CONTROL PANEL	
	OVERHEAD PROJECTOR	
S	AUDIO/VISUAL SPEAKER	
V	VOLUME CONTROL	
M	MICROPHONE	
	EMT CONDUIT BY E/C (1 1/4" UNLESS NOTED OTHERWISE)	2
	EMT SLEEVE BY E/C (2" UNLESS NOTED OTHERWISE)	2
	DUPLEX RECEPTACLE	
	FOURPLEX RECEPTACLE	
	AUDIO/VISUAL CABLING	3
AFF	ABOVE FINISHED FLOOR	
AV/C	AUDIO/VISUAL CONTRACTOR	
T/C	TELECOMMUNICATION CONTRACTOR	
E/C	ELECTRICAL CONTRACTOR	
G/C	GENERAL CONTRACTOR	
AC	DEVICE LOCATED ABOVE COUNTER	
SM	SINGLEMODE FIBER	
MM	MULTIMODE FIBER	

1 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 WITH DOUBLE GANG PLASTER RING AND 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING BY E/C.
2 - E/C TO PROVIDE CONDUIT BUSHING ON CONDUIT PRIOR TO T/C INSTALLING CABLING.
3 - CABLING SHALL BE SUPPORTED WITH J-HOOKS AT 48" O.C. WHERE NOT IN CONDUIT.

SECURITY LEGEND

ACP	ACCESS CONTROL PANEL	
PPS	ACCESS CONTROL PANEL POWER SUPPLY	
CR	HID CARD READER	
REX	REQUEST TO EXIT *	
DP	DOOR POSITION SWITCH *	
EL	ELECTRIC LOCK *	
PS	DOOR POWER SUPPLY *	
PB	PUSH BUTTON	
M	MOTION DETECTOR	
GB	GLASS BREAKER SENSOR	
ADA	ADA PUSH BUTTON *	
DADA	DUAL ADA PUSH BUTTON *	
ADAM	ADA MOTORIZED OPERATOR *	
VIC	VIDEO INTERCOM DOOR STATION	
MVIC	MASTER VIDEO INTERCOM STATION	
BURG	BURGLAR/INTRUSION DETECTION PANEL	
	VIDEO SURVEILLANCE CAMERA	
NVR	NETWORK VIDEO RECORDER	
PTZ	PAN/TILT/ZOOM	

* - INDICATES PROVIDED BY DOOR HARDWARE SUPPLIER. REFER TO DOOR HARDWARE SPECIFICATIONS FOR FURTHER WIRING/POWER REQUIREMENTS.

PAGING LEGEND

SYMBOL	DESCRIPTION	REMARKS
PS	PAGING SYSTEM	
P	CEILING PAGING SPEAKER	
	WALL-MOUNTED PAGING SPEAKER	
15W	PAGING HORN	
V	VOLUME CONTROL	

GENERAL NOTES: PIPING

1. PROVIDE 3M OR EQUIVALENT FIRE STOP AT ALL RATED WALL AND FLOOR PENETRATIONS. SEE CODE PLAN.
2. DO NOT ROUTE PIPING OVER ELECTRICAL EQUIPMENT OR WITHIN NEC CLEARANCE REQUIREMENTS. COORDINATE EQUIPMENT INSTALLATION, ROUTING AND LOCATION WITH WORK OF OTHER TRADES.
3. COORDINATE ACCESS TO VALVES AND OTHER ABOVE CEILING EQUIPMENT EQUIPMENT WITH LUMINAIRES, ETC.
4. ALL BRANCH PIPING RUNS TO SINGLE PLUMBING FIXTURES SHALL BE 1/2" UNLESS NOTED OTHERWISE.
5. ALL PIPING SHALL BE TIGHT TO STRUCTURE UNLESS NOTED OTHERWISE OR AS REQUIRED FOR COORDINATION. FIELD COORDINATE AND PROVIDE OFFSETS AS REQUIRED.
6. ALL VALVES SHALL BE LOCATED ABOVE ACCESSIBLE CEILINGS. WHERE VALVES ARE LOCATED ABOVE HARD CEILING, AN 18"x18" MINIMUM ACCESS PANEL SHALL BE PROVIDED BY G/C, REFER TO ARCHITECTURAL.
7. NOT ALL OFFSETS AND DROPS ARE SHOWN ON PLANS. COORDINATE WITH ALL OTHER TRADES, EXISTING TRADES, STRUCTURE, AND INSTALL AS REQUIRED.
8. REFER TO SPECIFICATION FOR PIPE LABELING REQUIREMENTS.
9. ALL EXPOSED PIPING AND/OR INSULATED PIPING SHALL BE FIELD PAINTED TO MATCH ADJACENT SURFACES UNLESS IN MECHANICAL ROOMS. COORDINATE WITH ARCHITECTURAL.
10. ALL PIPING SHALL BE CONCEALED UNLESS NOTED OTHERWISE. ANY PIPING THAT MAY NEED TO BE EXPOSED DUE TO FIELD CONDITIONS SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
11. ALL PLUMBING VENTS SHALL BE A MINIMUM OF 15 FT. FROM OUTSIDE AIR OPENINGS, INTAKE LOUVERS, PENTHOUSES, ETC. FIELD ROUTE AS REQUIRED.
12. SUPPORT, SUSPENSION, OR HANGING OF ALL PIPING AND METHODS SHALL BE REVIEWED WITH STRUCTURAL PRIOR TO INSTALLATION.
13. REFER TO ARCHITECTURAL PLANS FOR FIXTURE MOUNTING HEIGHTS, ADA CLEARANCES, CONTROL LOCATIONS, ETC.
14. ALL PIPE INSULATION SYSTEMS SHALL MAINTAIN PROPER VAPOR BARRIER AS SPECIFIED. TAPE AND SEAL ALL JOINTS AND COVERS ACCORDINGLY. ALL ELBOWS AND FITTING COVERS SHALL BE ADEQUATELY PACKED WITH INSULATION.
15. ALL SINKS AND PLUMBING FIXTURES SCHEDULED FOR INSTALLATION IN BASE CABINETS OR OTHER MILLWORK SHALL BE COORDINATED WITH MILLWORK SHOP DRAWINGS PRIOR TO PURCHASE. VERIFY CLEARANCES, INSTALLATION AND FIT ACCORDINGLY. REPORT DEVIATIONS TO ARCHITECT AND ENGINEER FOR REVIEW.
18. MINIMUM SLOPE OF WASTE PIPING SHALL BE 1/8" PER FT. VERIFY ELEVATIONS WITH NEW WASTE SERVICES. REFER TO CIVIL PLANS.
19. ALL INDIVIDUAL VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
20. ROUTE ROOF DRAIN PIPING IN JOIST WEBBING WHERE POSSIBLE. COORDINATE WITH OTHER PIPE AND DUCTWORK. SLOPE AT A MINIMUM OF 1/8" PER LINEAR FOOT.
21. PROVIDE 1" FIBERGLASS INSULATION ON ALL ROOF DRAIN PIPING.
22. INSULATE ALL DOMESTIC WATER PIPING WITH MINIMUM 1" FIBERGLASS INSULATION.
23. SUPPORT ALL PIPE FROM STRUCTURE.
24. IN EXPOSED AREAS, SADDLES SHALL BE SECURED TO INSULATION.
25. COORDINATE LOCATION OF FLOOR DRAINS WITH EQUIPMENT (WATER HEATERS, ETC.).
26. ALL ROOF DRAIN/OVERFLOW DRAIN ASSEMBLIES ARE TYPE-1, 4" OUTLETS, UNLESS NOTED OTHERWISE.
27. INSULATE ALL ROOF DRAIN BODIES WITH 1" BLACK CLOSED CELL INSULATION.
28. HOLE PENETRATIONS IN EXISTING WALLS SHALL BE REVIEWED WITH STRUCTURAL PRIOR TO INSTALLATION. A MINIMUM SEPARATION OF TWICE THE LARGEST HOLE DIAMETER SHALL BE REQUIRED BETWEEN ADJACENT PENETRATIONS.

GENERAL NOTES: HVAC DUCTWORK

1. ALL NEW DUCTWORK SHALL BE EXTERNALLY WRAP INSULATED EXCEPT TRANSFER OR SOUND BOOTS WHICH SHOULD HAVE INTERNAL LINING. ALL EXISTING SUPPLY DUCTWORK SHALL REMAIN AS IS (UNINSULATED SPIRAL) AT THIS TIME. DUCTWORK SHALL BE THOROUGHLY CLEANED INSIDE AND OUT AND PAINTED AS SCHEDULED.
2. ALL LOW PRESSURE DUCT RUN OUTS SHALL BE SAME SIZE AS DIFFUSER NECK. ROUTE IN JOIST SPACE AND THROUGH JOISTS WHERE POSSIBLE.
3. PROVIDE 3M EQUIVALENT FIRE STOP AT ALL CORRIDOR WALL PENETRATIONS. REFER TO FIRE DAMPER DETAIL AND SPECIFICATIONS.
4. DO NOT ROUTE DUCTWORK OVER ELECTRICAL EQUIPMENT OR WITHIN NEC CLEARANCE REQUIREMENTS.
5. COORDINATE DUCTWORK INSTALLATION, ROUTING AND LOCATION WITH WORK OF OTHER TRADES. COORDINATE ACCESS TO COILS, VAV BOXES AND OTHER ABOVE CEILING EQUIPMENT. PROVIDE DUCTWORK OFFSETS WHERE REQUIRED.
6. COORDINATE ROUTING OF DUCTWORK AND PIPING BETWEEN AND THRU JOISTS OR STRUCTURE.
7. ROUTE ALL DUCTWORK TIGHT TO BOTTOM OF STRUCTURE UNLESS NOTED OTHERWISE.
8. COORDINATE EXACT LOCATIONS OF DUCTWORK AND PIPING WITH TRUSSES, LIGHT FIXTURES, AND ANY OTHER DISCIPLINE.
9. EXHAUST DUCTS SHALL NOT BE INTERNALLY INSULATED. ALL JOINTS SHALL BE SEALED WITH WATER-BASED SEALANT.
10. ALL EXPOSED DUCTWORK TO BE PAINTED EXCEPT THOSE IN STORAGE ROOMS OR MECHANICAL ROOMS.
11. ALL ROUND DUCT SHALL HAVE CONCENTRIC REDUCERS WHERE APPLICABLE.
12. ALL LOW PRESSURE CONCEALED ROUND DUCT SHALL BE SINGLE WALL SPIRAL, EXTERNAL INSULATED, EXCEPT EXHAUST. LONGITUDINAL SEAM DUCTWORK IS ACCEPTABLE FOR ROUND DUCTS 10"Ø OR SMALLER.
13. ALL LOW PRESSURE DUCT CONNECTIONS SHALL BE SEALED WITH WATER BASED SEALANT OR EQUIVALENT.

GENERAL NOTES: POWER

1. NO ELECTRICAL PANELS SHALL BE INSTALLED BELOW PIPING, DUCTWORK, OR MECHANICAL EQUIPMENT. REFER TO MECHANICAL PLANS FOR LOCATIONS.
2. FIELD COORDINATE FINAL LOCATION OF ALL EQUIPMENT WITH MECHANICAL TO MAINTAIN NEC CLEARANCES.
3. REFER TO FIRE ALARM PLANS FOR ADDITIONAL WORK AND ROUGH-IN REQUIREMENTS.
4. PROVIDE ALL SWITCHBOARDS, DP'S, TRANSFORMERS AND OTHER FREESTANDING ELECTRICAL GEAR WITH 3 1/2" CONCRETE HOUSEKEEPING PADS UNLESS NOTED OTHERWISE.
5. ALL CONDUCTORS #12 THWN IN 1/2"C. UNLESS NOTED OTHERWISE.
6. VERIFY ALL FINAL LOCATION AND ELEVATION OF ALL WALL-MOUNTED EQUIPMENT, OUTLETS, DATA, PHONE LOCATIONS, ETC. WITH CASEWORK, OWNER AND ARCHITECTURAL. CONFIRM DEDICATED OUTLETS. WITH OWNER.
7. VERIFY ALL POWER, WIRING, RECEPTACLES, CIRCUIT, OVERCURRENT PROTECTION AND DATA REQUIREMENTS FOR ALL OWNER FURNISHED ITEMS SUCH AS COPIERS, REFRIGERATORS, TV'S, STAFF ROOM APPLIANCES ETC.
8. PROVIDE DATA AND POWER CORD GROMMET PENETRATIONS AT CORNERS OF ALL WORKSTATIONS TO ACCOMMODATE RECEPTACLES AND DATA MOUNTED BELOW COUNTERS. DEVICES SHALL BE BELOW COUNTERS EXCEPT WHERE NOTED OTHERWISE. COORDINATE WITH G/C.
9. REFER TO TELECOM "T" SHEETS AND AUDIO VISUAL "AV" SHEETS FOR ADDITIONAL WORK, RESPONSIBILITIES, ROUGH-IN REQUIREMENTS, COORDINATION, ETC. THE ELECTRICAL "E" SHEETS ARE NOT INTENDED TO SHOW THE COMPLETE SCOPE OF WORK OR INSTALLATION REQUIREMENTS OF THESE SYSTEMS. ALL SHEETS AND DISCIPLINES MUST BE REVIEWED. ALL EQUIPMENT MATERIALS, AND TOTAL SCOPE OF WORK FOR COMPLETE AND OPERATIONAL SYSTEMS SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE.
10. ALL EXPOSED CEILING CONDUIT RUNS WITHIN THE RECITAL HALL SHALL BE RAN ABOVE THE CLOUDS. MAIN RUNS SHALL RUN EAST/WEST TO CENTRAL CLOUD BEFORE ROUTING DOWN BEHIND STONE WALL.

GENERAL NOTES: LIGHTING

1. REFER TO CONTROL DETAILS FOR ALL LOW VOLTAGE WIRING REQUIREMENTS.
2. COORDINATE LIGHT FIXTURE LOCATIONS AND MOUNTING WITH OTHER DISCIPLINES AND STRUCTURE. IDENTIFY ANY AND ALL CONFLICTS, HEIGHT ISSUES, ETC. PRIOR TO INSTALLATION.
3. REFER TO POWER PLANS FOR PANELBOARD LOCATIONS.
4. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, ELEVATIONS, ETC.
5. COORDINATE ALL WALL MOUNTED LIGHTING DIMENSIONS AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

NOTES:

1. VERIFY ALL EXISTING SITE CONDITIONS, LOCATIONS, ELEVATIONS, ROUTING, ETC. AS REQUIRED FOR COORDINATION AND SAFE INSTALLATION.
2. NOT ALL EXISTING SITE SERVICES AND UTILITIES HAVE BEEN SHOWN. LOCATE AND COORDINATE NEW WORK WITH OTHER TRADES AND OWNER.
3. ALL SHUT-DOWNS SHALL BE COORDINATED WITH THE UNIVERSITY AT LEAST TWO WEEKS PRIOR TO OCCURRENCE. ESTIMATED START TIME AND DURATION SHALL BE INDICATED.
4. REFER TO PROJECT CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. CONTRACTOOR SHALL INCLUDE ALL FEES IMPOSED BY THE RESPECTIVE UTILITES FOR WATER, SEWER, GAS, ELECTRIC, AND COMMUNICATIONS CONNECTIONS AS REQUIRED AND INDICATED.

ALL SYMBOLS SHOWN MAY NOT APPEAR ON THIS PROJECT

HTK ARCHITECTS
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
www.htkarchitects.com

WILLIAM R. WIEST 21749 KANSAS PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:
-
-
-
-

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

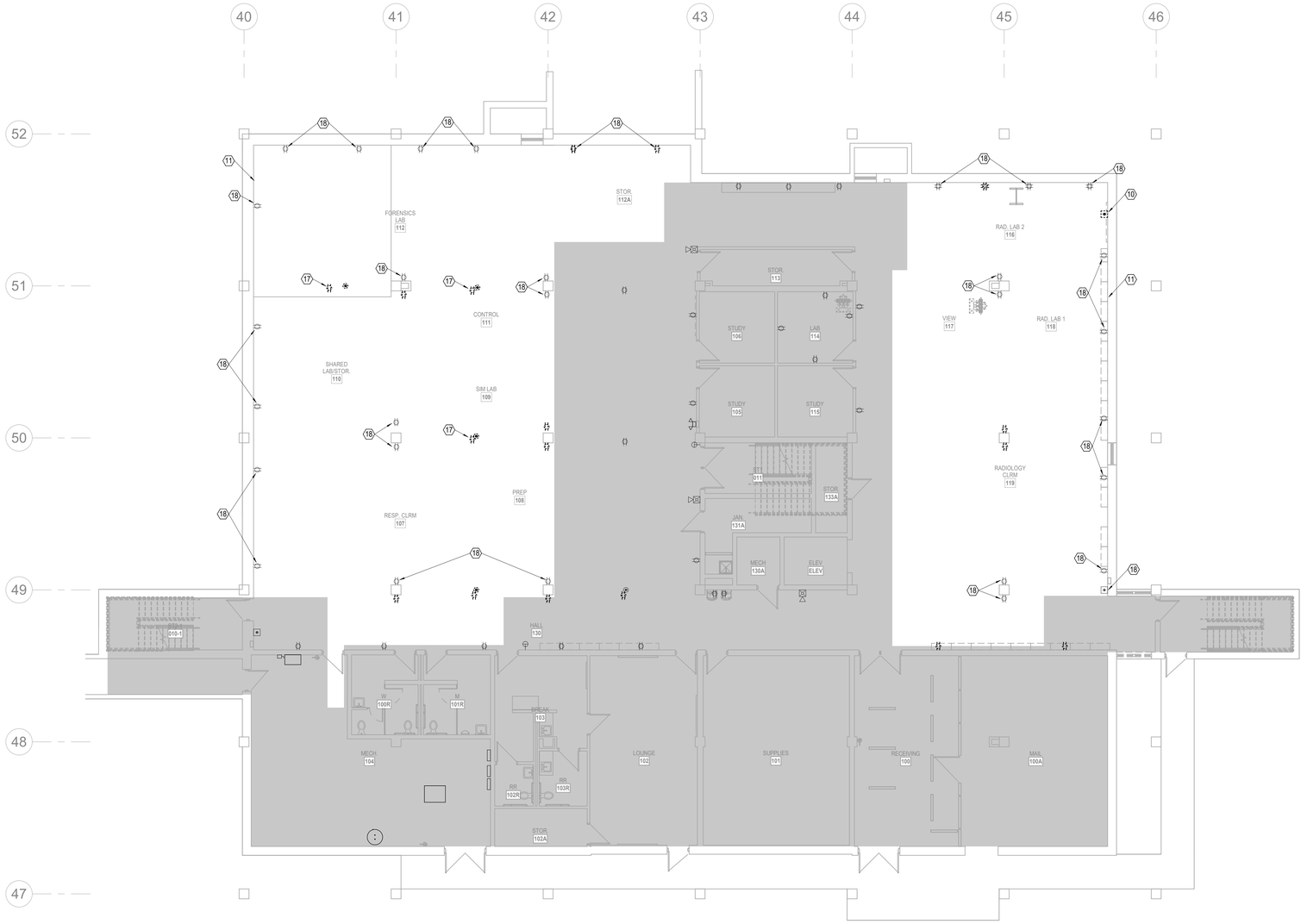
SHEET CONTENTS:
- COVER SHEET

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME001
ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
(1) DEMO ALL EXISTING LIGHT FIXTURES, CONTROLS, AND CONDUCTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(2) REMOVE AND SALVAGE EXISTING LIGHT FIXTURE TO OWNER.
(3) DEMO EXISTING AUDIO EQUIPMENT.
(4) DEMO EXISTING SMOKE DETECTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(5) DEMO EXISTING MOTION SENSOR.
(6) DEMO EXISTING CAMERA.
(7) DEMO EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS ON RE ROUTING.
(8) DEMO EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS FOR DETAILS ON RE ROUTING.
(9) DEMO EXISTING WIFI UNIT.
(10) DEMO EXISTING PULL STATION.
(11) DEMO ALL EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC IN THIS AREA UNLESS OTHERWISE NOTED.
(12) DEMO EXISTING THERMOSTAT.
(13) DEMO EXISTING HANDICAPPED DOOR SYSTEM.
(14) DEMO EXISTING DRINKING FOUNTAIN.
(15) REUSE EXISTING DRINKING FOUNTAIN IN SAME LOCATION.
(16) DEMO EXISTING FIRE ALERT HORN OR FLASH.
(17) DEMO WIRE MOLD AND EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC. ON WIRE MOLD.
(18) EXISTING, TO REMAIN.



NORTH

1 LOWER LEVEL FLOOR PLAN
DEMOLITION
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

WYLER WIEDENMANN 21749 KANSAS PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - DEMOLITION

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME101

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
(1) DEMO ALL EXISTING LIGHT FIXTURES, CONTROLS, AND CONDUCTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(2) REMOVE AND SALVAGE EXISTING LIGHT FIXTURE TO OWNER.
(3) DEMO EXISTING AUDIO EQUIPMENT.
(4) DEMO EXISTING SMOKE DETECTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(5) DEMO EXISTING MOTION SENSOR.
(6) DEMO EXISTING CAMERA.
(7) DEMO EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS ON RE ROUTING.
(8) DEMO EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS FOR DETAILS ON RE ROUTING.
(9) DEMO EXISTING WIFI UNIT.
(10) DEMO EXISTING PULL STATION.
(11) DEMO ALL EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC IN THIS AREA UNLESS OTHERWISE NOTED.
(12) DEMO EXISTING THERMOSTAT.
(13) DEMO EXISTING HANDICAPPED DOOR SYSTEM.
(14) DEMO EXISTING DRINKING FOUNTAIN.
(15) REUSE EXISTING DRINKING FOUNTAIN IN SAME LOCATION.
(16) DEMO EXISTING FIRE ALERT HORN OR FLASH.
(17) DEMO WIRE MOLD AND EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC. ON WIRE MOLD.
(18) EXISTING, TO REMAIN.

NORTH

1 MAIN LEVEL FLOOR PLAN
DEMOLITION
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

WYLE R. WIT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN - DEMOLITION

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME102

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
(1) DEMO ALL EXISTING LIGHT FIXTURES, CONTROLS, AND CONDUCTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(2) REMOVE AND SALVAGE EXISTING LIGHT FIXTURE TO OWNER.
(3) DEMO EXISTING AUDIO EQUIPMENT.
(4) DEMO EXISTING SMOKE DETECTORS IN UNSHADED AREA, UNLESS OTHERWISE SPECIFIED.
(5) DEMO EXISTING MOTION SENSOR.
(6) DEMO EXISTING CAMERA.
(7) DEMO EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS ON RE ROUTING.
(8) DEMO EXISTING RETURN GRILLE AND ASSOCIATED DUCTWORK. REFER TO M102 FOR DETAILS FOR DETAILS ON RE ROUTING.
(9) DEMO EXISTING WIFI UNIT.
(10) DEMO EXISTING PULL STATION.
(11) DEMO ALL EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC IN THIS AREA UNLESS OTHERWISE NOTED.
(12) DEMO EXISTING THERMOSTAT.
(13) DEMO EXISTING HANDICAPPED DOOR SYSTEM.
(14) DEMO EXISTING DRINKING FOUNTAIN.
(15) REUSE EXISTING DRINKING FOUNTAIN IN SAME LOCATION.
(16) DEMO EXISTING FIRE ALERT HORN OR FLASH.
(17) DEMO WIRE MOLD AND EXISTING POWER RECEPTACLES, TELECOMS, J-BOXES, ETC. ON WIRE MOLD.
(18) EXISTING, TO REMAIN.

NORTH

1 UPPER LEVEL FLOOR PLAN
DEMOLITION
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
PROFESSIONAL ENGINEER
KANSAS
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - DEMOLITION

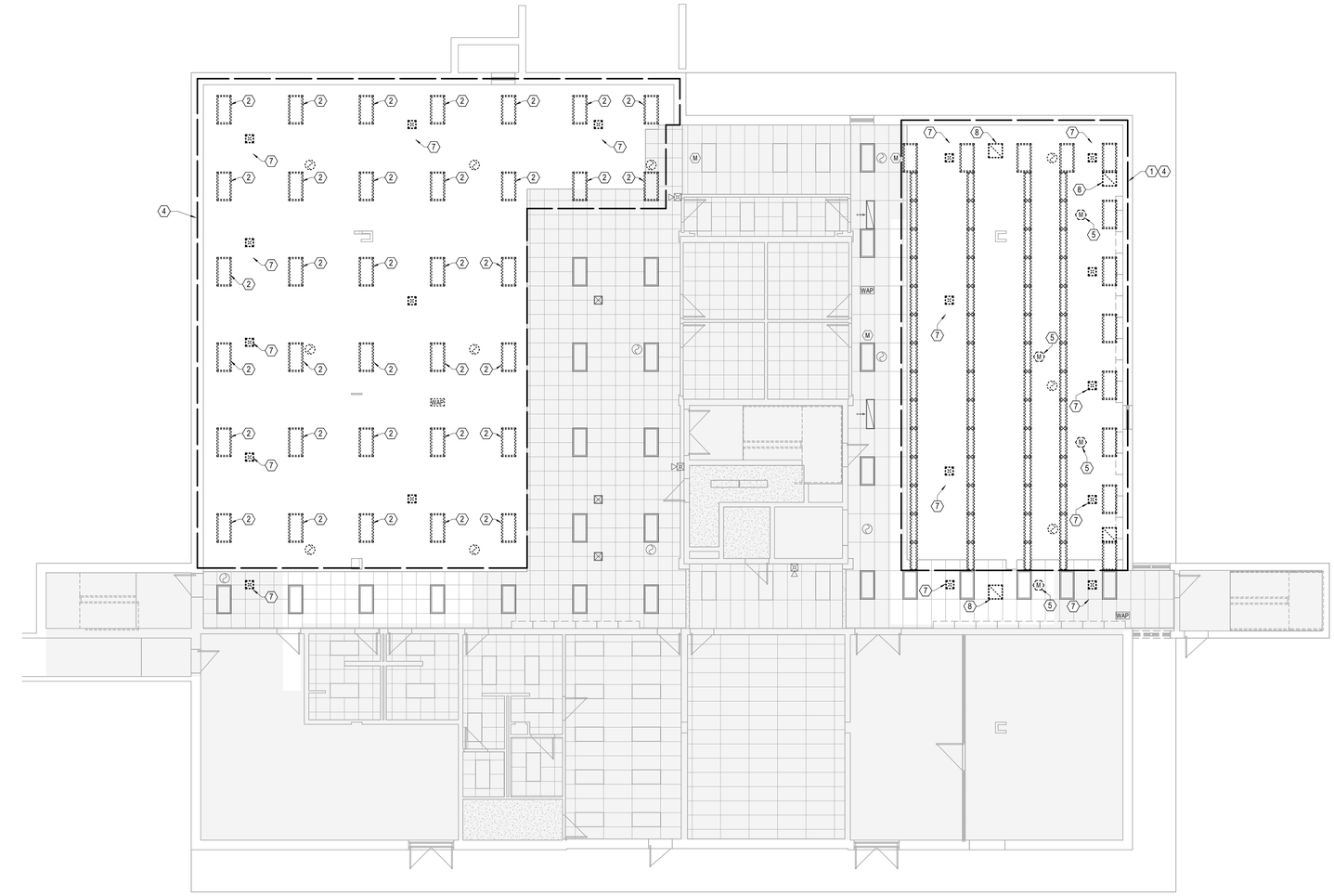
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

ME103

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



NORTH

1 LOWER LEVEL CEILING PLAN
DEMOLITION
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL CEILING PLAN - DEMOLITION

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME104

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

MABEE LIBRARY RENOVATION

Washburn University

1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MAIN LEVEL CEILING PLAN
- - DEMOLITION

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME105

ORIGINAL CONTRACT DOCUMENTS

DATE:
- July 15, 2024

REVISED DATE:
-

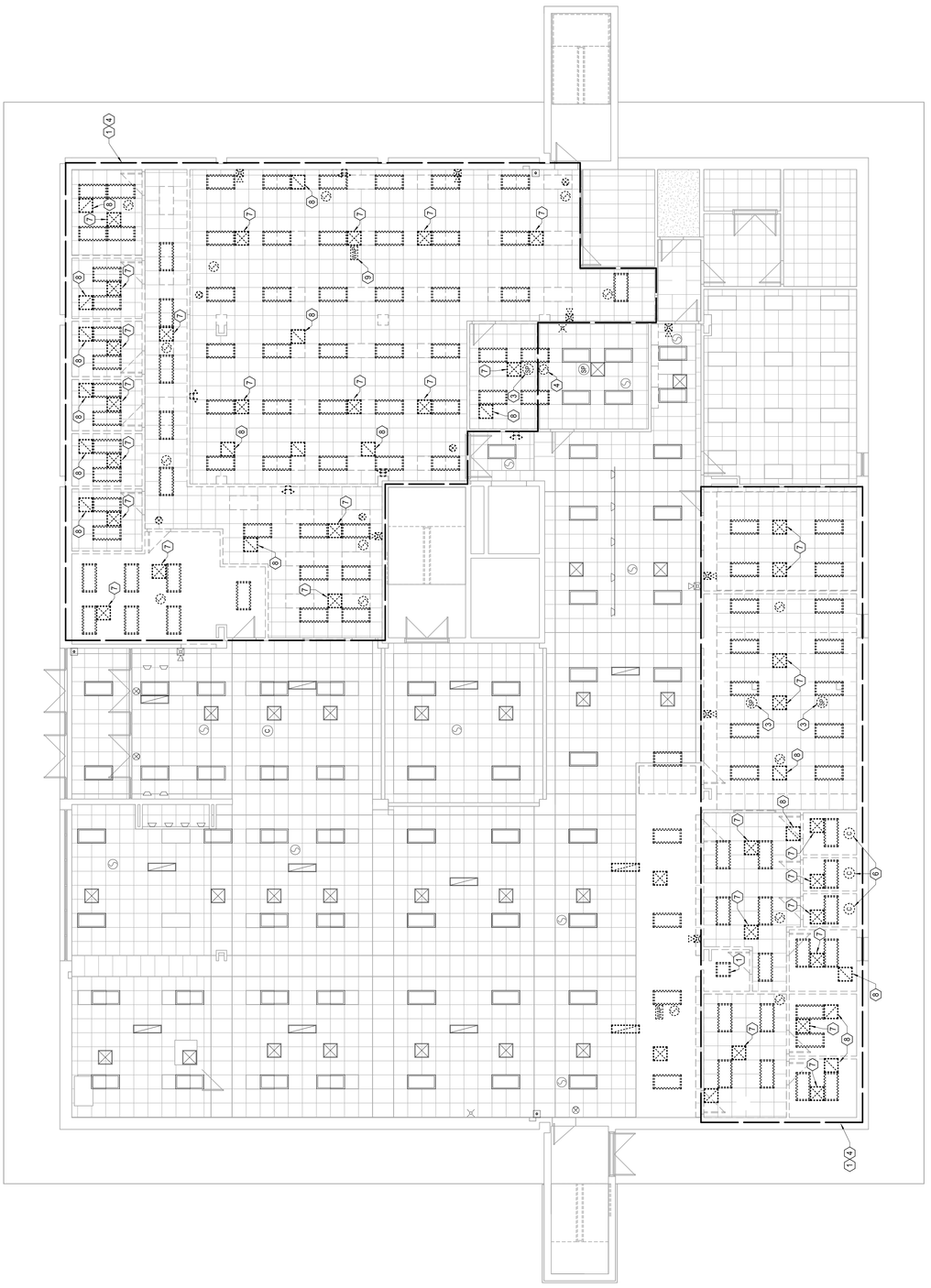
7/16/2024

HTK ARCHITECTS
900 S. KANSAS AVE., SUITE 200 TOPEKA, KANSAS 66612 P 785.266.5373
9300 W 110TH ST. STE. 150 OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

LS&A CONSULTING ENGINEERS
Latimer Sommers & Associates, P.A.
3839 SW Summerfield Drive, Suite A Topeka, Kansas 66614
8826 College Boulevard, Suite 102 Overland Park, Kansas 66210
Phone: 913.663.2323
Email: lsapa@lsaks.com
LSA PROJECT NO. - 2405005

1 MAIN LEVEL CEILING PLAN
DEMOLITION
1/8" = 1'-0"

NORTH



HTK ARCHITECTS
900 S. KANSAS AVE., SUITE 200 TOPEKA, KANSAS 66612 P 785.266.5373
9300 W 110TH ST. STE. 150 OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

7/16/2024

DATE:
- July 15, 2024

REVISED DATE:
-

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

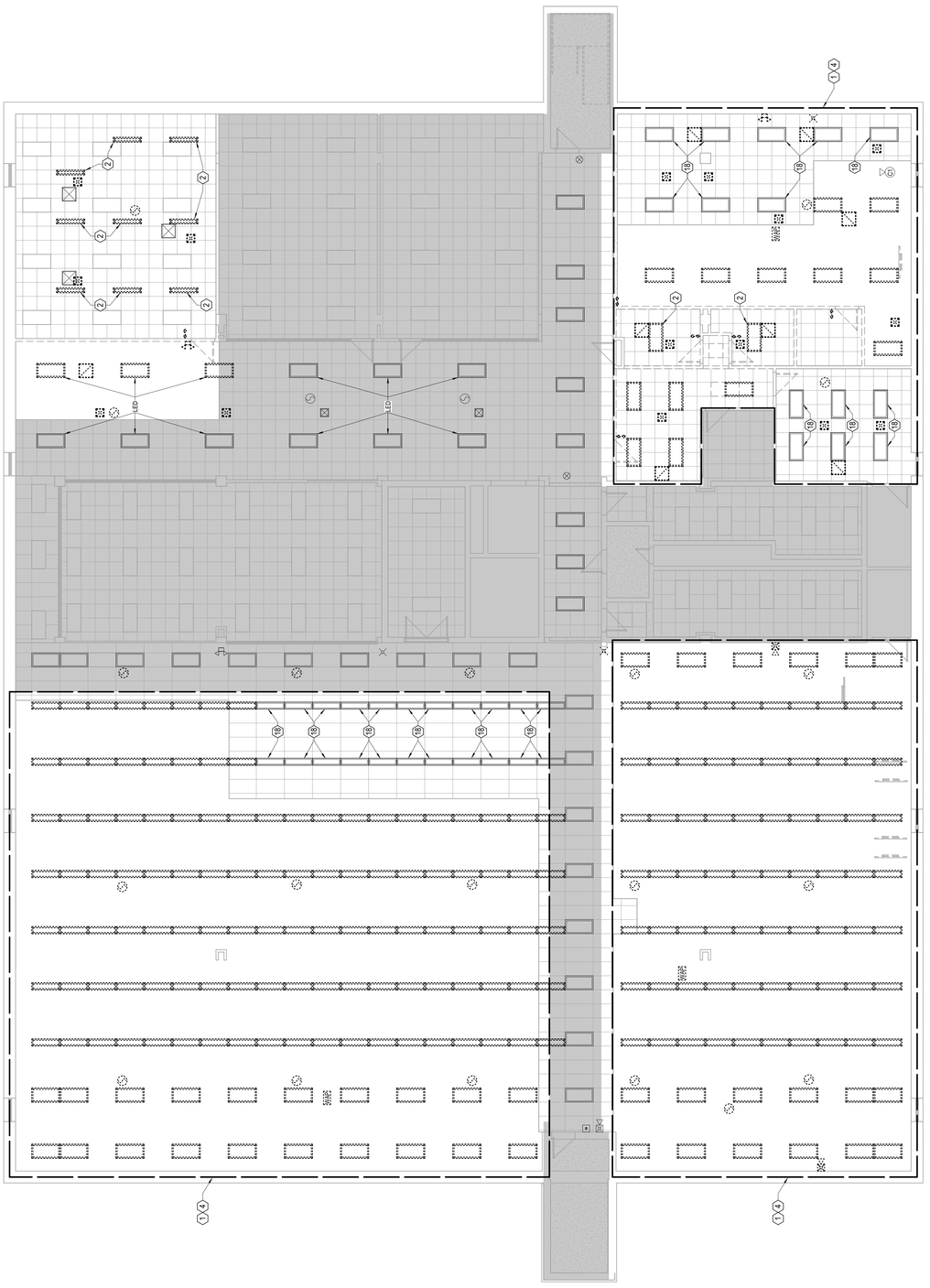
SHEET CONTENTS:
- UPPER LEVEL CEILING PLAN - DEMOLITION

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME106

ORIGINAL CONTRACT DOCUMENTS

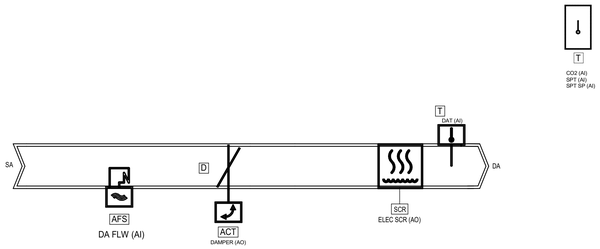
LS&A CONSULTING ENGINEERS
Latimer Sommers & Associates, P.A.
3839 SW Summerfield Drive, Suite A
Topeka, Kansas 66614
8826 College Boulevard, Suite 102
Overland Park, Kansas 66210
Phone: 913.814.9333
Email: lsapa@lsaks.com
LSA PROJECT NO. - 2405005



1 UPPER LEVEL CEILING PLAN
DEMOLITION
1/8" = 1'-0"

NORTH

Flow Diagram: VAV w/Hw Reheat



Sequence of Operation: VAV w/Hw Reheat

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied, and Unoccupied commands. The BAS may also send a Heat/Cool mode, priority shutdown commands, space temperature and/or space temperature setpoint. If communication is lost with the BAS, the controller shall operate using its local setpoints.

Occupied / Unoccupied:

When the system is in the occupied mode, the VAV damper shall modulate to maintain the occupied space temperature heating or cooling mode setpoint. Applicable ventilation and airflow setpoints shall be enforced. The occupied mode shall be the default mode of the VAV. When the system is in the unoccupied mode, the VAV damper shall be fully closed. If more than (4) spaces require heating or cooling, the AHU/RTU will start and operate in the occupied mode. The VAV dampers will modulated to maintain their unoccupied space temperature. Once all the spaces are +/- 2F beyond setpoint, the AHU/RTU will return to its unoccupied mode and the VAV dampers shall return to their fully closed position.

Occupied Bypass:

Occupants shall be able to override the unoccupied mode from the space temperature sensor. The override shall last for a maximum of 4 hours (adj.). The tenants shall be able to cancel the override from the space sensor at any time. During the override period, the systems serving the area shall operate in the occupied mode.

Heat/Cool Mode:

The Heat/Cool mode shall be set by a communicated value or automatically by the VAV controller.
When the unit is in cooling mode, the VAV controller shall maintain the space temperature setpoint by modulating the VAV damper between the minimum and maximum cooling airflow setpoints. When the unit is in heating mode, the VAV controller shall maintain the space temperature setpoint by modulating the VAV damper to the minimum heating airflow setpoint. If further heating is required, the hot water valve will modulate open to maintain the space temperature setpoint. If additional heating is required, the airflow setpoint will be adjust up to the maximum heating airflow setpoint.

Demand Control Ventilation:

When the AHU/RTU unit is in the occupied mode, the outdoor air damper will modulate open as Space CO2 rises above setpoint. Once space CO2 falls below setpoint, the outdoor air damper will revert back to its temperature control mode. If space CO2 is not available, the AHU/RTU Return CO2 sensor value will be used
When the AHU/RTU unit is in the unoccupied mode, Demand Control Ventilation shall be deactivated. The CO2 High level alarms will remain active.

Space Sensor Failure:

If there is a fault with the operation of the zone sensor an alarm shall be anunciated at the BAS. Space sensor failure shall cause the VAV to drive the damper to minimum air flow if the VAV is in the occupied mode, or drive it closed if the VAV is in the unoccupied mode.

Points List: VAV w/Hw Reheat

System Point Description	POINTS								ALARMS					
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
VAV DAMPER DAMPER	X			X											
DISCHARGE AIR TEMPERATURE DAT	X	X							X	X			X		
HOT WATER VALVE HW VLV CLS	X			X											
SPACE CO2 (OPTIONAL) CO2	X	X													
SPACE OCCUPANCY OVERRIDE SP OCC	X		X												
SPACE TEMPERATURE SPT	X	X													
SPACE TEMPERATURE SETPOINT (ADJ) SPT SP	X	X													
SUPPLY AIRFLOW DA FLW	X	X							X	X					
BAS COMMUNICATION STATE BAS COM						X									X
DESIGN HEAT DISCHARGE AIR TEMP SETPOINT DSNG HT DAT SP						X									
MAXIMUM COOLING AIRFLOW SETPOINT MAX CLG FLW SP						X									
MINIMUM COOLING AIRFLOW SETPOINT MIN CLG FLW SP						X									
MAXIMUM HEATING AIRFLOW SETPOINT MAX HTG FLW SP						X									
MINIMUM HEATING AIRFLOW SETPOINT MIN HTG FLW SP						X									
OCCUPIED BYPASS TIMER OCC TMR	X					X									
OCCUPIED COOLING SETPOINT OCC CLG SP	X					X									
OCCUPIED HEATING SETPOINT OCC HTG SP	X					X									
UNOCCUPIED COOLING SETPOINT UNOCC CLG SP	X					X									
SPACE OCCUPANCY (COMMUNICATED) OCC SP	X								X						
UNOCCUPIED HEATING SETPOINT UNOCC HTG SP	X					X									

1 **FLOW DIAGRAM - VAV W/HW REHEAT**
NOT TO SCALE

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

MABEE LIBRARY RENOVATION

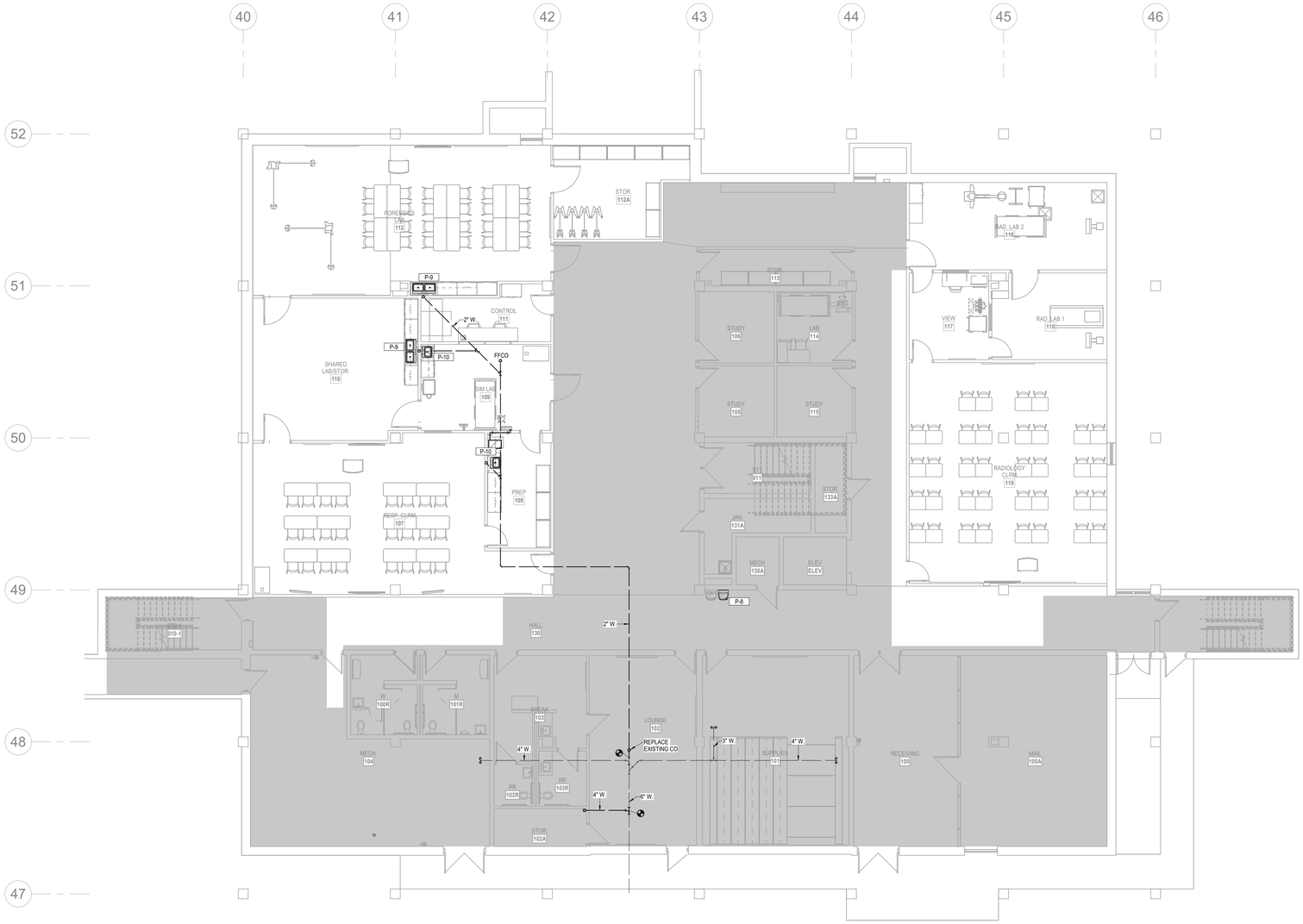
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- BUILDING AUTOMATION SYSTEM DIAGRAMS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
ME201

ORIGINAL CONTRACT DOCUMENTS



NORTH

1 LOWER LEVEL FLOOR PLAN

BELOW GRADE PLUMBING

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - BELOW GRADE PLUMBING

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

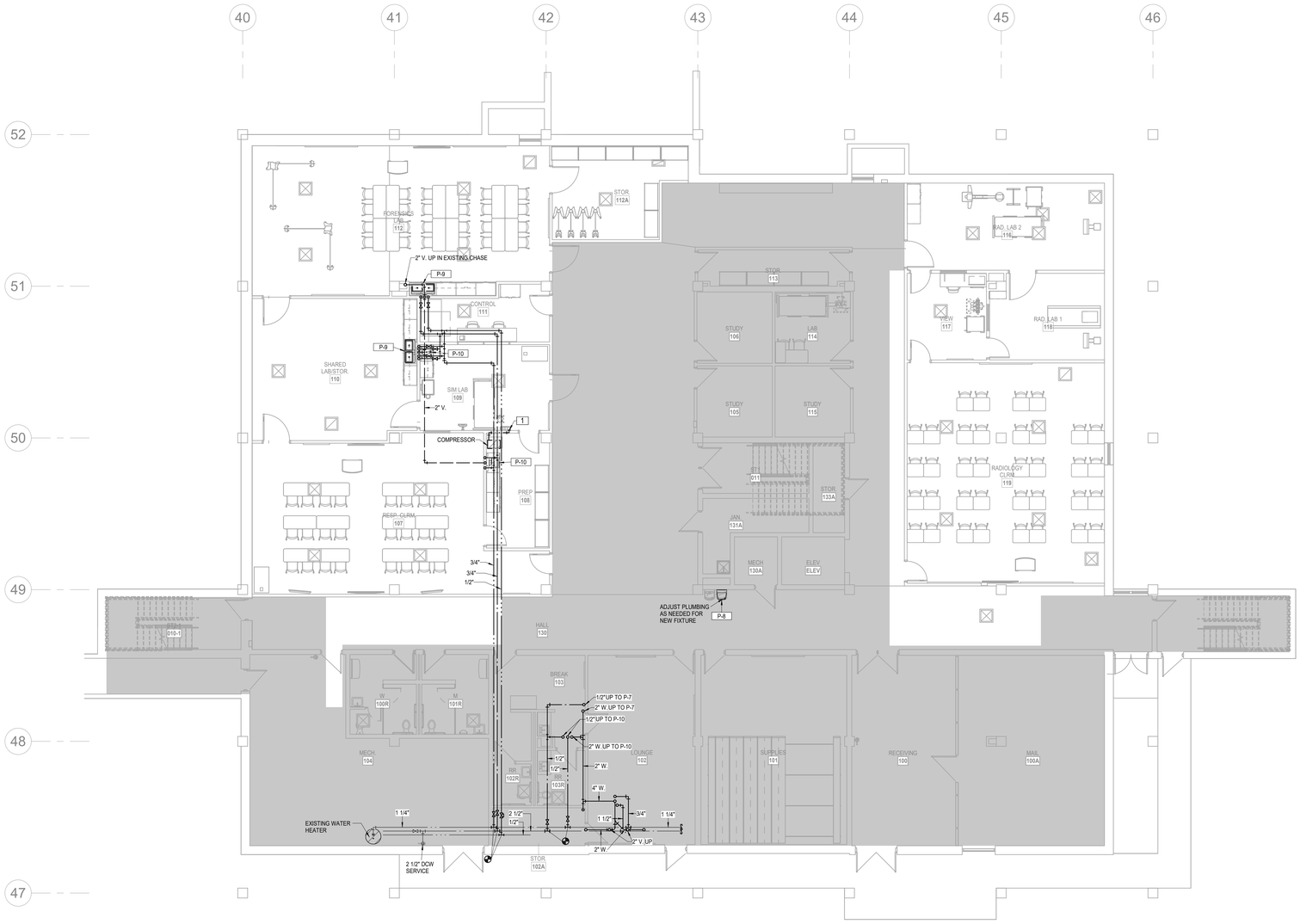
P100

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:

1 1/2" COMPRESSED AIR FROM HEADWALL UNIT TO COMPRESSOR. FIELD VERIFY CONNECTION WITH BOTH ENDS. HEADWALL UNIT AND COMPRESSOR SHALL BE PROVIDED BY OWNER.



NORTH

1 LOWER LEVEL FLOOR PLAN

PLUMBING

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT LICENSED PROFESSIONAL ENGINEER 21749 KANSAS
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - PLUMBING

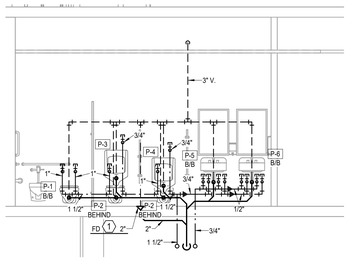
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

P101

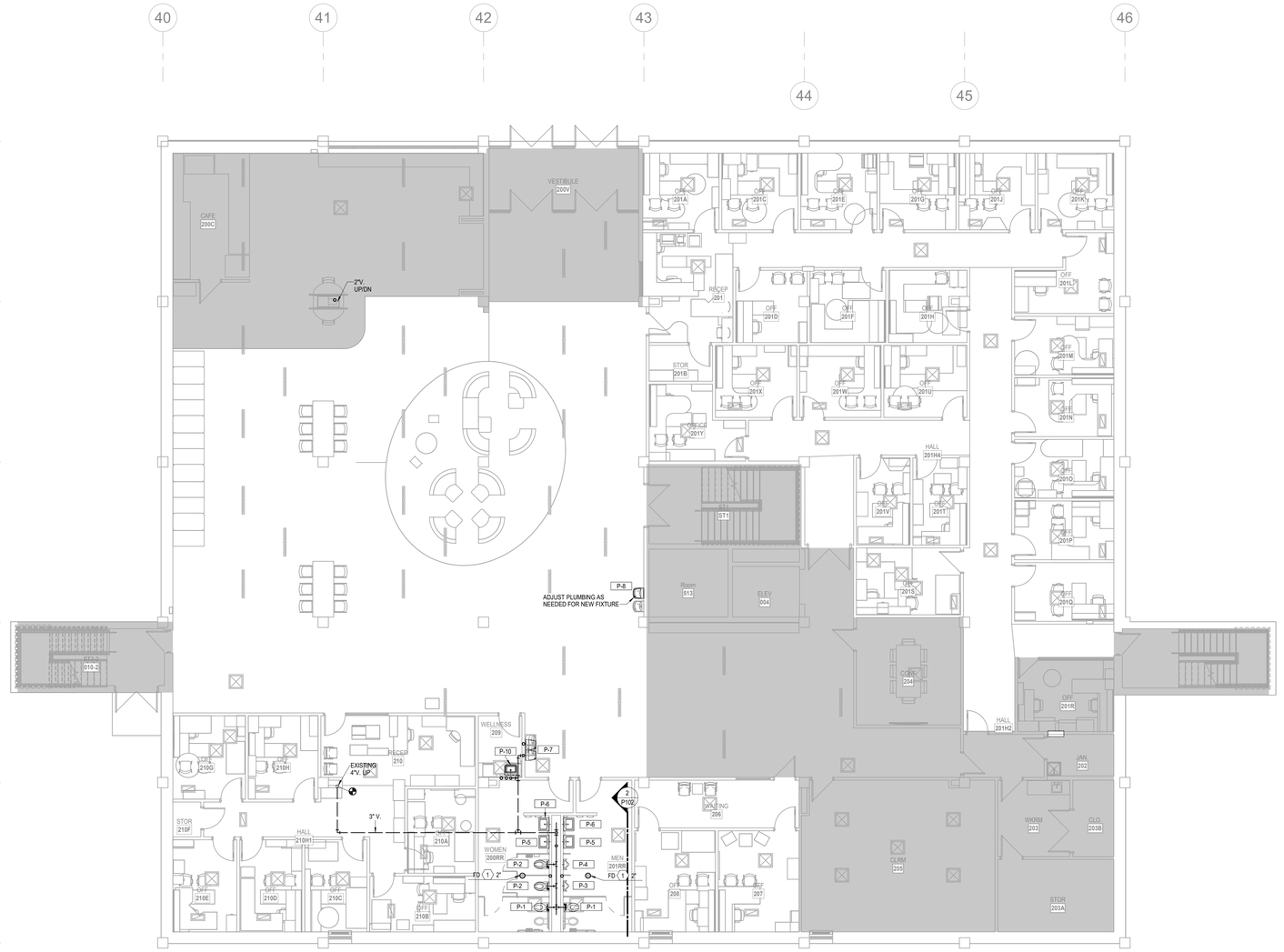
ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



2 RESTROOM 206 - WEST ELEV.

PLUMBING
1/4" = 1'-0"



NORTH

1 MAIN LEVEL FLOOR PLAN

PLUMBING
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE.150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WIT
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

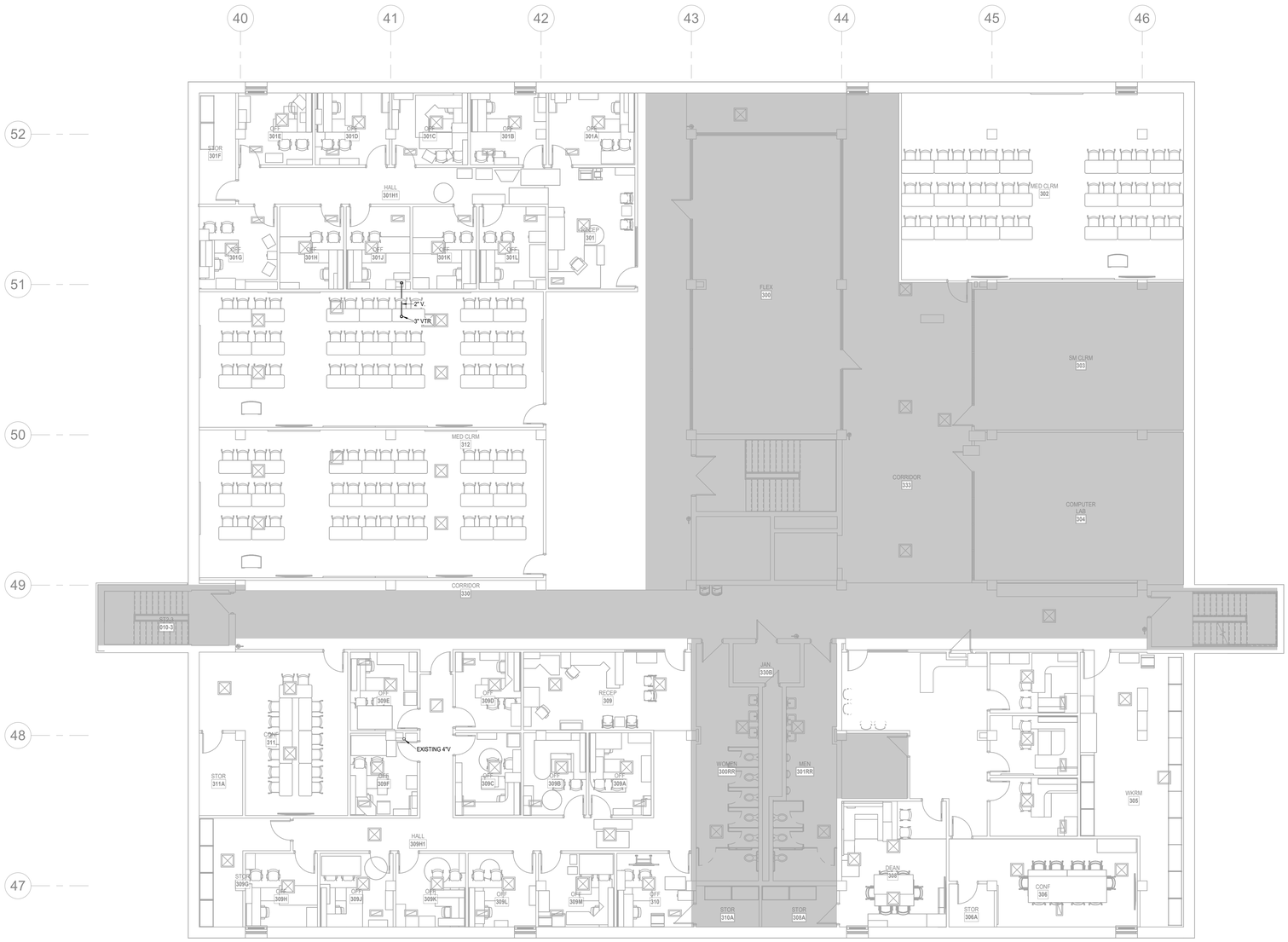
SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN - PLUMBING

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
P102

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



NORTH

1 UPPER LEVEL FLOOR PLAN

PLUMBING

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - PLUMBING

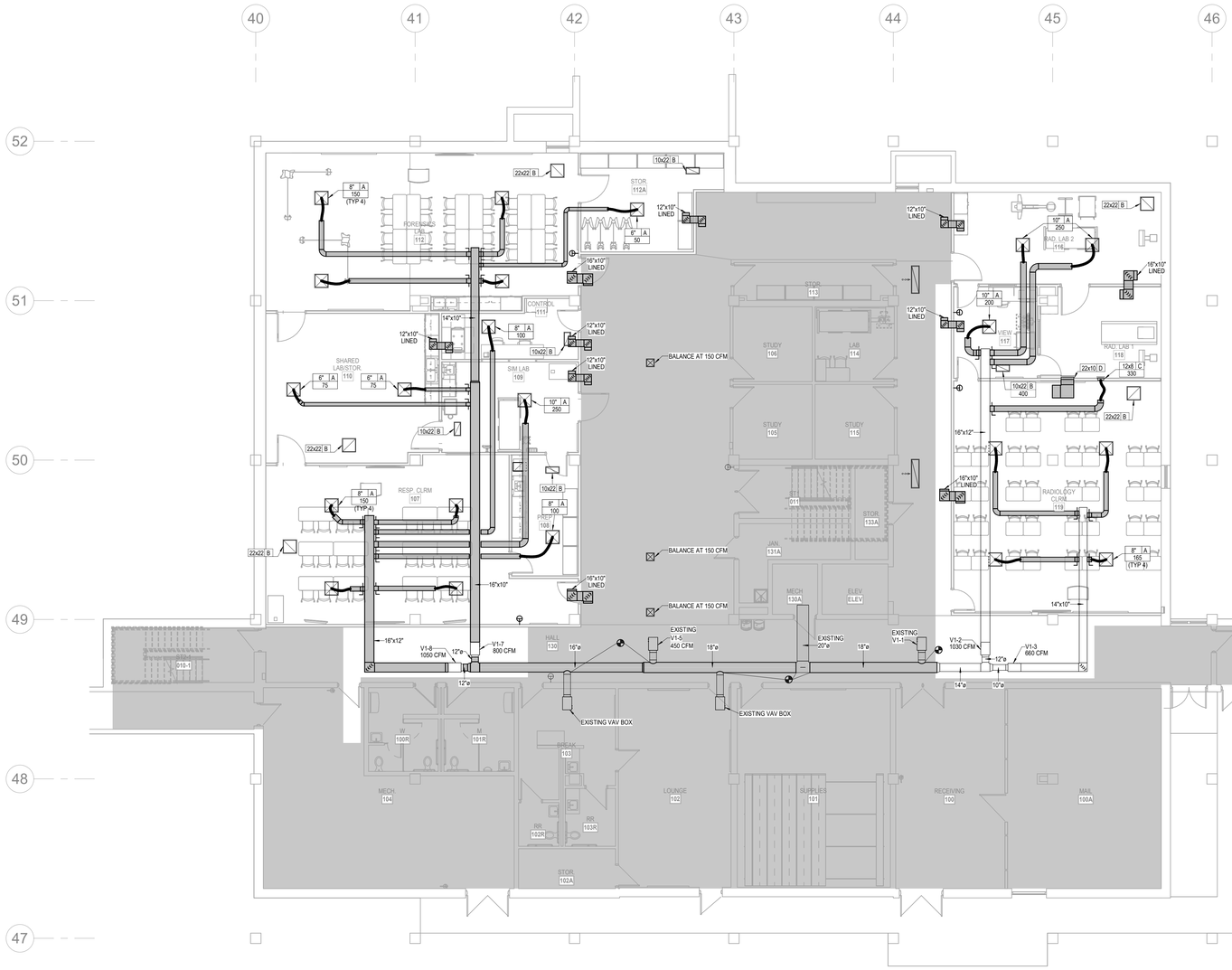
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

P103

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



NORTH

1 LOWER LEVEL FLOOR PLAN

HVAC

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - HVAC

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

M101

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

MABEE LIBRARY RENOVATION

Washburn University

1800 SW 19th Street, Topeka, KS 66621

DATE:
- July 15, 2024

REVISED DATE:
- ....

SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN
- - HVAC

HTK PROJECT NUMBER:
- 2312.03

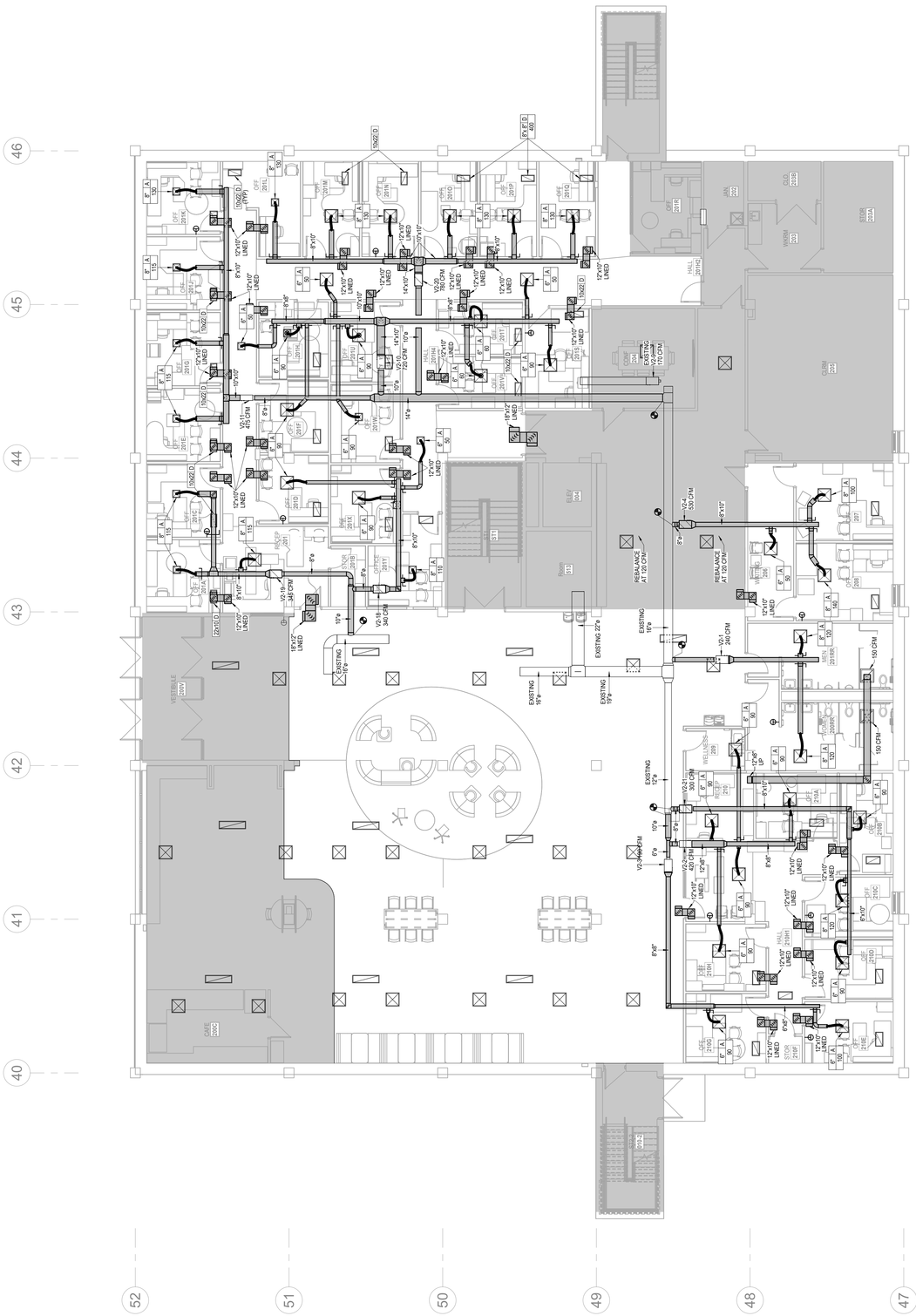
SHEET NUMBER:
M102

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates
CONSULTING ENGINEERS
3839 SW Summerfield Drive, Suite A
Topeka, Kansas 66614
8826 College Boulevard, Suite 102
Overland Park, Kansas 66210
Phone: 913.814.9994
Email: lsaks@lsaks.com
LSA PROJECT NO. - 2405005

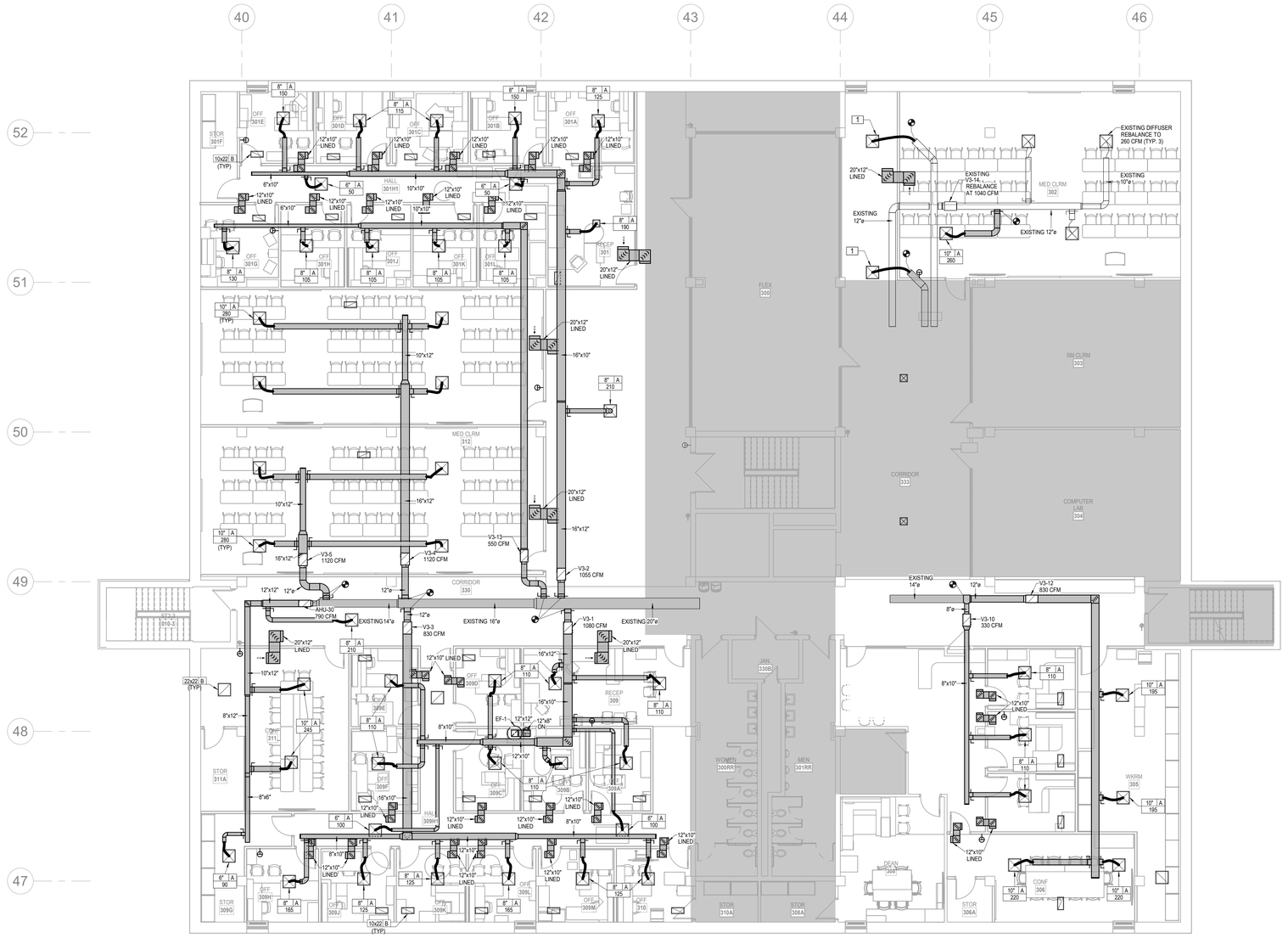
HTK ARCHITECTS
900 S. KANSAS AVE., SUITE 200 TOPEKA, KANSAS 66612 P 785.266.5373
9300 W 110TH ST. STE. 150 OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

7/16/2024



1 MAIN LEVEL FLOOR PLAN
HVAC
1/8" = 1'-0"

NORTH



NORTH

1 UPPER LEVEL FLOOR PLAN

HVAC

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE.150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - HVAC

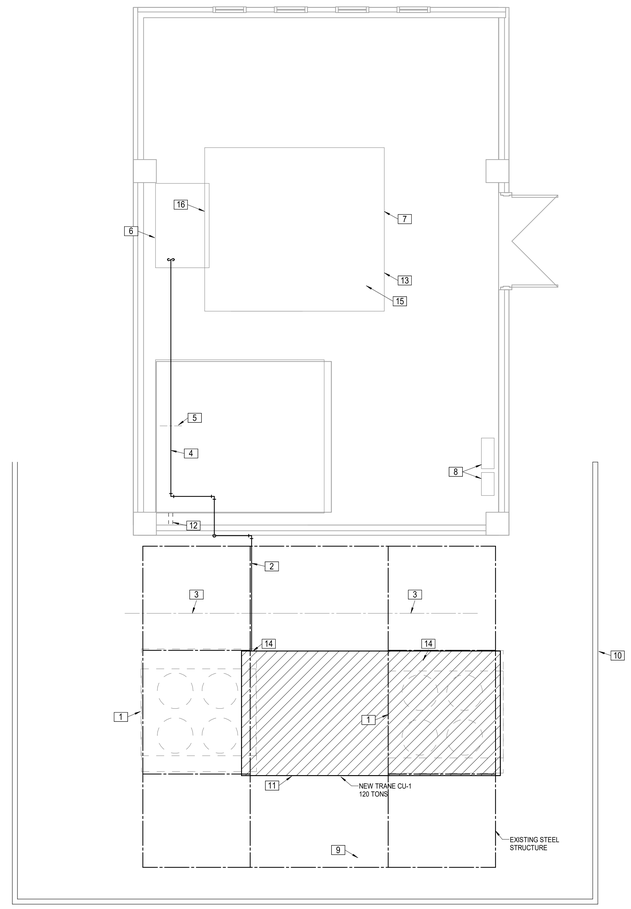
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

M103

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



LEGEND:
1 EXISTING AIR-COOLED CONDENSING UNIT TO BE REMOVED ALONG WITH ASSOCIATED REFRIGERANT PIPING.
2 INSULATED SUCTION AND EXPOSED LIQUID LINE SIZED PER MANUFACTURERS RECOMMENDATIONS. PROVIDE SUCTION WITH 1" ARMAFLEX AND ARMAFIX INSULATION SUPPORT SLEEVE AND ARMATUFF UV RESISTANT PIPE COVERING. ALUMINUM JACKETING AND ELBOWS ARE ALSO ACCEPTABLE.
3 PROVIDE GALVANIZED STEEL STRUT OR EQUAL FOR INTERMEDIATE PIPE SUPPORT.
4 STACKED LIQUID AND INSULATED SUCTION LINES. VERIFY ACCEPTABLE ROUTING WITH MANUFACTURER.
5 NEW (OR REUSED IF ACCEPTABLE) PIPE SUPPORTS. FIELD VERIFY.
6 REFER TO REFRIGERANT COIL PIPING DETAIL FOR NEAR-COIL PIPING AND ACCESSORIES.
7 EXISTING STACKED DX COILS TO BE REPLACED WITH NEW DX COILS TO MATCH NEW CONDENSING UNIT REFRIGERANT. EXISTING COILS ARE (2) 25"X126" COIL FACE.
8 EXISTING AUTOMATIC TEMPERATURE CONTROLS.
9 EXISTING STEEL SUPERSTRUCTURE SUPPORT. REFER TO STRUCTURAL DRAWING S1 FOR ALTERNATE TO PREP AND PAINT STEEL.
10 EXISTING SCREEN WALL.
11 UNIT CONTROL AND POWER PANELS.
12 REUSE EXISTING WALL PENETRATIONS IF POSSIBLE. INSULATION SHALL PASS CONTINUOUS THROUGH PENETRATION. ENLARGE HOLES AS REQUIRED. PROVIDE FLEXIBLE SEALANT AND FLASHING.
13 EXISTING VAV AHU WITH FC FAN AND INLET VANES. FAN ORIGINALLY SCHEDULED AT 26,960 PEAK CFM, 20,800 DIVERSIFIED CFM.
14 PROVIDE REFRIGERANT ISOLATION VALVES AND CONNECTIONS TO UNIT AS RECOMMENDED BY MANUFACTURER.
15 CLEAN EXISTING FAN BLADES AND INLET VANES.
16 PROVIDE NEW P-TRAP ON EXISTING COIL OUTLET. PIPE TO FLOOR DRAIN.

GENERAL PROJECT NOTES:
1. CONTRACTOR SHALL VISIT SITE TO DETERMINE TOTAL SCOPE OF WORK PRIOR TO BID.
2. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS AS REQUIRED FOR INSTALLATION.
3. INCLUDE ALL APPLICABLE PERMITS AND ASSOCIATED COSTS IN BID.
4. PROPERLY DISPOSE OF ALL DEMOLITION MATERIAL OFF-SITE.
5. THE UNIVERSITY BMS VENDOR, TRANE, SHALL PROVIDE ALL TEMPERATURE CONTROLS, ASSOCIATED POWER AND LOW VOLTAGE CONTROL WIRING. ALL COSTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. REFER TO GENERAL BMS NOTES.
6. COORDINATE ALL WORK AND ANY SYSTEM SHUT-DOWNS WITH OWNER.
7. ALL WORK SHALL BE PROVIDED FOR COMPLETE AND OPERATION SYSTEMS PER UNIVERSITY STANDARDS.
8. CONTRACTOR AND UNIT VENDOR SHALL BE RESPONSIBLE FOR OWNER TRAINING AND CU O&M MATERIALS.
9. TRANE TO PROVIDE ALL BMS PROGRAMMING.

CONDENSING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	GROSS CAPACITY (MBH)	REFRIGERANT LINE SIZING *		MIN. CKT. AMPS	MAX. FUSE	MIN. IPLV	MIN. EER	MAX. dBA	ELECTRICAL CHARACTERISTICS	REMARKS
				SUCTION	LIQUID							
CU-1	TRANE	RAUJD124	1594	2 5/8	1 1/8	256	300	-	11.3	-	480V., 3PH.	1, 2, 3

REMARKS:
1. VERIFY EXACT LINE SIZES WITH MANUFACTURER. ROUTING AND INSTALLATION SHALL BE PER MANUFACTURER'S GUIDELINES FOR SPECIFIC FIELD CONDITIONS AND APPLICATION.
2. CAPACITY INDICATED BASED ON AMBIENT AIR TEMPERATURE OF 100° AND SATURATED REFRIGERANT TEMPERATURE ENTERING COMPRESSOR OF 45°.
3. PROVIDE THE FOLLOWING ACCESSORIES/FEATURES:
   - HAIL GUARDS (TO BE FIELD INSTALLED BY MECHANICAL CONTRACTOR)
   - FACTORY FURNISHED BASE MOUNT CHANNEL SUPPORTS AND SPRING ISOLATORS.
   - THERMOSTATIC EXPANSION VALVES
   - SITE GLASSES
   - FILTER/DRIERS
   - LIQUID LINE SOLENOID VALVES
   - SINGLE REFRIGERANT CIRCUIT (DUAL CIRCUITS ACCEPTABLE IF SINGLE CIRCUITS NOT PROVIDED BY EQUIVALENT APPROVED MANUFACTURERS.)
   - ACCUMULATORS
   - VAV CONTROLS FOR CONNECTION OF UNIT TO EXISTING VAV DX AHU: CARRIER MODEL 39ED48
   - VAV ELECTRICAL UNLOADERS TO ACCEPT CONTACT CLOSURE FOR CAPACITY MODULATION.
   - MIN. (4) STEPS OF CAPACITY UNLOADING

NEW DX COOLING COIL

TYPE	DIVERSIFIED CFM	ENT. AIR		LVG. AIR		CAPACITY - BTU/HR			MIN. FACE AREA	MIN. NO. ROWS	APD I.W.C.	REMARKS
		D.B.	W.B.	D.B.	W.B.	SENSIBLE	LATENT	TOTAL				
DIRECT EXPANSION - ROW SPLIT-CIRCUITED TO BALANCE LOAD ON CONDENSING UNITS	20,800	91.0°F	72.0°F	55.0°F	54.5°F	810,000	400,000	1,210,000	48 SQ. FT.	6	1.0	1, 2

REMARKS:
1. ALL COIL DATA BASED ON ORIGINAL SCHEDULED VALUES.
2. FIELD VERIFY ACTUAL AREA, ROWS, ETC. ACTUAL INSTALLED SHALL SUPERSEDE SCHEDULED VALUES.

NORTH

1 PENTHOUSE PLAN
HVAC
1/4" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KS 66210
www.htkarchitects.com

KYLE R. WIL... LICENSED 27749 KANSAS PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

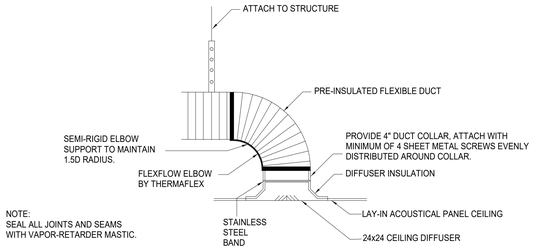
MABEE LIBRARY RENOVATION
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- PENTHOUSE FLOOR PLAN - HVAC

HTK PROJECT NUMBER:
- 2312.03

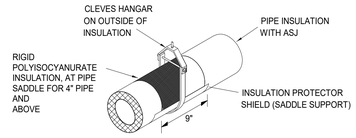
SHEET NUMBER:
M104
ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

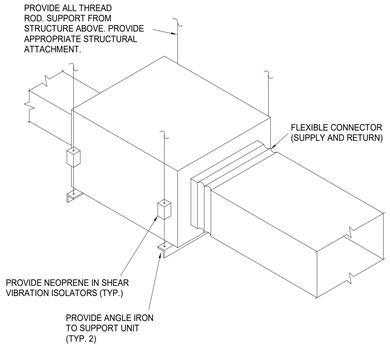


1 SUPPLY DIFFUSER CONNECTION LAY-IN CEILING, COLLAR
NOT TO SCALE

NOTES:
1. CONTRACTOR SHALL PROVIDE SECTION OF RIGID INSULATION BETWEEN SADDLE SUPPORT AND PIPE AS REQUIRED TO PREVENT DAMAGE TO INSULATION. HANGER SHALL NOT BE ON THE INTERIOR OF THE INSULATION.

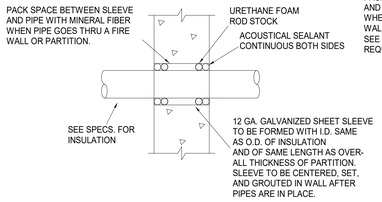


2 PIPE SUPPORT DETAIL
NOT TO SCALE

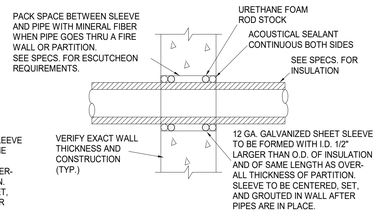


(TYPICAL FOR ALL EQUIPMENT SUPPORTED FROM STRUCTURE)

3 VIBRATION ISOLATION DETAIL
NOT TO SCALE

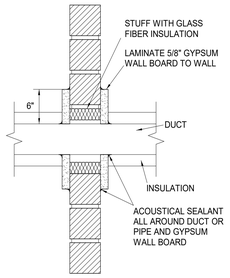


SPRINKLER PIPE OR CONDUIT



CONTINUOUS PIPE INSULATION

4 WALL SLEEVE DETAIL
NO SCALE



5 DUCT PENETRATION DETAIL
NO SCALE

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

WYLER WU 21749 KANSAS PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MECHANICAL DETAILS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
MP101

ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

VAV TERMINAL UNIT SCHEDULE

	MARK	MANUFACTURER	BOX TYPE	MODEL NUMBER	MAX CFM	COOLING CFM	MINIMUM CLG. CFM	HEATING CFM	ELECTRIC REHEAT COIL					ELECTRICAL CHARACTERISTICS	INLET SIZE	# COIL ROWS	REMARKS
									KW	EAT	MIN. LAT	INLET SP	MAX. APD				
FIRST FLOOR	V1-2	PRICE	SC W/ ELEC RH	SDV5		1030		310	4	55	90	1.0	0.5	277V.			
	V1-3	PRICE	SC W/ ELEC RH	SDV5		660		200	2.5	55	90	1.0	0.5	277V.			
	V1-7	PRICE	SC W/ ELEC RH	SDV5		800		250	3.5	55	90	1.0	0.5	277V.			
	V1-8	PRICE	SC W/ ELEC RH	SDV5		1050		315	4	55	90	1.0	0.5	277V.			
SECOND FLOOR	V2-1	PRICE	SC W/ ELEC RH	SDV5		240		105	1.5	55	90	1.0	0.5	277V.			
	V2-2	PRICE	SC W/ ELEC RH	SDV5		420		140	2	55	90	1.0	0.5	277V.			
	V2-3	PRICE	SC W/ ELEC RH	SDV5		190		95	1	55	90	1.0	0.5	277V.			
	V2-4	PRICE	SC W/ ELEC RH	SDV5		290		140	2	55	90	1.0	0.5	277V.			
	V2-10	PRICE	SC W/ ELEC RH	SDV5		720		215	3	55	90	1.0	0.5	277V.			
	V2-11	PRICE	SC W/ ELEC RH	SDV5		475		145	2	55	90	1.0	0.5	277V.			
	V2-18	PRICE	SC W/ ELEC RH	SDV5		290		140	2	55	90	1.0	0.5	277V.			
	V2-19	PRICE	SC W/ ELEC RH	SDV5		345		170	2	55	90	1.0	0.5	277V.			
	V2-20	PRICE	SC W/ ELEC RH	SDV5		780		235	3	55	90	1.0	0.5	277V.			
	V2-21	PRICE	SC W/ ELEC RH	SDV5		300		150	2	55	90	1.0	0.5	277V.			
THIRD FLOOR	V3-1	PRICE	SC W/ ELEC RH	SDV5		1080		315	4	55	90	1.0	0.5	277V.			
	V3-2	PRICE	SC W/ ELEC RH	SDV5		1055		315	4	55	90	1.0	0.5	277V.			
	V3-3	PRICE	SC W/ ELEC RH	SDV5		830		240	3	55	90	1.0	0.5	277V.			
	V3-4	PRICE	SC W/ ELEC RH	SDV5		1120		340	4	55	90	1.0	0.5	277V.			
	V3-5	PRICE	SC W/ ELEC RH	SDV5		1120		340	4	55	90	1.0	0.5	277V.			
	V3-6	PRICE	SC W/ ELEC RH	SDV5		790		235	3	55	90	1.0	0.5	277V.			
	V3-10	PRICE	SC W/ ELEC RH	SDV5		330		170	2	55	90	1.0	0.5	277V.			
	V3-12	PRICE	SC W/ ELEC RH	SDV5		830		240	3	55	90	1.0	0.5	277V.			
	V3-18	PRICE	SC W/ ELEC RH	SDV5		550		165	2	55	90	1.0	0.5	277V.			

NOTES:
1. CAPACITIES BASED ON PRIMARY AIR=55°F.
2. VAV BOX SUBMITTALS SHALL INCLUDE COIL CAPACITIES, COIL APD AT MAXIMUM COOLING CFM, AND HEATING AIR DISCHARGE TEMPERATURE AT LISTED CFM, DISCHARGE AND RADIATED SOUND POWER BY OCTAVE, SOUND NC AT 1" INLET PRESSURE.
3. BOX HEIGHT SHALL NOT EXCEED 8" FOR SIZE 4, 5, 6; 10" FOR SIZE 7, 8; 12-1/2" FOR SIZE 9, 10; 15" FOR SIZE 12; 17-1/2" FOR SIZE 16.
4. PROVIDE FIBER-FREE ACOUSTICAL LINER.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	APPLICATION			FINISH	FRAME TYPE	DAMPER	REMARKS
			SUP.	RET.	EXH.				
Ⓐ	PRICE	ASPD	X			WHITE	T-BAR	NO	1, 2, 3, 5
Ⓑ	PRICE	635		X	X	WHITE	T-BAR	NO	2, 4, 5
Ⓒ	PRICE	610	X			WHITE	FLANGE	NO	2, 6
Ⓓ	PRICE	635		X	X	WHITE	FLANGE	NO	6

REMARKS:
1. 24x24 MODULE.
2. ALUMINUM CONSTRUCTION.
3. PROVIDE INSULATED BACK PANEL.
4. PROVIDE SQUARE-TO-ROUND SHOWN ON PLANS.
5. PROVIDE WITH FLEXIBLE DUCT ELBOW SUPPORT AT ALL ROUND DUCT DROPS AND SR2 2" SPACER WHERE ROUND DUCT CONNECTION.
6. MRI COMPLAIT.

PIPE SIZES FOR INDIVIDUAL PLUMBING FIXTURES

MARK	DESCRIPTION	WASTE	VENT	DCW	DHW
P-1	ADA COMPLIANT WATER CLOSET	4"	2"	1 1/4"	-
P-2	WATER CLOSET	4"	2"	1 1/4"	-
P-3	URINAL	2"	2"	1"	-
P-4	ADA URINAL	2"	2"	1"	-
P-5	ADA LAVATORY	2"	2"	1/2"	1/2"
P-6	LAVATORY	2"	2"	1/2"	1/2"
P-7	DUAL HEIGHT DRINK FOUNTAIN	2"	2"	1/2"	-
P-8	ADA DRINK FOUNTAIN	2"	2"	1/2"	-
P-9	DOUBLE COMPARTMENT SS SINK	2"	2"	1/2"	1/2"
P-10	SINGLE COMPARTMENT SS SINK	2"	2"	1/2"	1/2"

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	CFM	S.P.	HP	VOLTAGE/PHASE	CONTROL
EF-1	GREENHECK	G-080	300	0.375	FRAC	120V./1PH.	DDC

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER/ MODEL	DESCRIPTION	FITTINGS		REMARKS
			MANUFACTURER/ MODEL	DESCRIPTION	
P-1	TOTO CT708U BEMIS 1955CT	ADA COMPLIANT WATER CLOSET: WHITE VITREOUS CHINA, ELONGATED BOWL, WALL MOUNTED, FLUSH VALVE BOWL WITH TOP SPUD AND FLAT BOLT COVERS. 1.6 GALLON SIPHON JET FLUSHING ACTION. SEAT: SOLID PLASTIC OPEN FRONT, WHITE FOR AN ELONGATED BOWL, INTEGRAL BUMPERS, EXTERNAL CHECK HINGES WITH STAINLESS STEEL POSTS.	TOTO TET1GB	MANUAL, QUIET, DIAPHRAM FLUSHOMETER FOR EXPOSED WATER CLOSET INSTALLATION, CHROME PLATED, DECORATIVE HANDLE CAP, 1 1/2" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP WITH VACUUM BREAKER FLUSH CONNECTION, AND SPUD COUPLING FOR 1 1/2" TOP SPUD. PROVIDE WITH WALL AND SPUD FLANGES. 1.6 GALLON. PROVIDE WITH OVERRIDE COVER.	4, 7
P-2	TOTO CT708U BEMIS 1955CT	WATER CLOSET: WHITE VITREOUS CHINA, ELONGATED BOWL, WALL MOUNTED, FLUSH VALVE BOWL WITH TOP SPUD AND FLAT BOLT COVERS. 1.6 GALLON SIPHON JET FLUSHING ACTION. SEAT: SOLID PLASTIC OPEN FRONT, WHITE FOR AN ELONGATED BOWL, INTEGRAL BUMPERS, EXTERNAL CHECK HINGES WITH STAINLESS STEEL POSTS.	TOTO TET1GB	MANUAL, QUIET, DIAPHRAM FLUSHOMETER FOR EXPOSED WATER CLOSET INSTALLATION, CHROME PLATED, DECORATIVE HANDLE CAP, 1 1/2" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP WITH VACUUM BREAKER FLUSH CONNECTION, AND SPUD COUPLING FOR 1 1/2" TOP SPUD. PROVIDE WITH WALL AND SPUD FLANGES. 1.6 GALLON. PROVIDE WITH OVERRIDE COVER.	7
P-3	ZURN 2572-U	URINAL: WHITE VITREOUS CHINA WALL HUNG URINAL WITH 3/4" TOP SPUD, 1.0 GALLON SIPHON JET FLUSHING ACTION. MOUNT FIXTURE RIM AT 24" AFF. PROVIDE FLOOR MOUNTED, HEAVY DUTY TUBULAR STEEL UPRIGHTS, ADJUSTABLE CARRIER PLATED HANGAR AND ALL OTHER REQUIRED MOUNTING HARDWRE.	TOTO TEU1GA	MANUAL, QUIET, DIAPHRAM FLUSHOMETER FOR EXPOSED URINAL INSTALLATION, CHROME PLATED, DECORATIVE HANDLE CAP, 3/4" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP WITH VACUUM BREAKER FLUSH CONNECTION, AND SPUD FLANGES. 1.0 GALLON PER FLUSH.	7, 8, 9
P-4	ZURN 2572-U	URINAL: WHITE VITREOUS CHINA WALL HUNG URINAL WITH 3/4" TOP SPUD, 1.0 GALLON SIPHON JET FLUSHING ACTION. MOUNT FIXTURE RIM AT 24" AFF. PROVIDE FLOOR MOUNTED, HEAVY DUTY TUBULAR STEEL UPRIGHTS, ADJUSTABLE CARRIER PLATED HANGAR AND ALL OTHER REQUIRED MOUNTING HARDWRE.	TOTO TEU1GA	MANUAL, QUIET, DIAPHRAM FLUSHOMETER FOR EXPOSED URINAL INSTALLATION, CHROME PLATED, DECORATIVE HANDLE CAP, 3/4" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP WITH VACUUM BREAKER FLUSH CONNECTION, AND SPUD FLANGES. 1.0 GALLON PER FLUSH.	7, 8, 9
P-5	TOTO LT307	WALL HUNG ADA, VITREOUS CHINA, COTTON COLOR WITH BACK SPLASH.	TOTO TEL105	SINGLE LEVER ADA FAUCET WITH 1/2" CONNECTIONS AND GRID DRAIN WITHOUT POP-UP HOLE. VANDAL RESISTANT 0.5 GPM SPRAY POLISHED CHROME FINISH.	1, 2, 5
P-6	TOTO LT307	WALL HUNG , VITREOUS CHINA, COTTON COLOR WITH BACK SPLASH.	TOTO TEL105	SINGLE LEVER ADA FAUCET WITH 1/2" CONNECTIONS AND GRID DRAIN WITHOUT POP-UP HOLE. VANDAL RESISTANT 0.5 GPM SPRAY POLISHED CHROME FINISH.	1, 2, 5
P-7	ELKAY EZSTL8WSLK	ADA COMPLIANT DUAL HEIGHT ELECTRIC WATER COOLER; BARRIER FREE WATER COOLER PROVIDING 8 GPM OF 50 DEGREE WATER AT 90 DEGREE AMBIENT. FRONT AND SIDE PUSHBARS, ADA COMPLIANT LEAD FREE, MOUNT WITH MIN. 27" KNEE CLEARANCE AND SPOUT AT NO MORE THAN 36" AFF. WITH BOTTLE FILLING STATION			2, 6
P-8	ELKAY LZS8L	ADA COMPLIANT ELECTRIC WATER COOLER; BARRIER FREE WATER COOLER PROVIDING 8 GPM OF 50 DEGREE WATER AT 90 DEGREE AMBIENT. FRONT AND SIDE PUSHBARS, LEAD FREE, MOUNT WITH MIN. 27" KNEE CLEARANCE AND SPOUT AT NO MORE THAN 36" AFF.			2, 6
P-9	ELKAY LRAD 2522	ADA SINGLE COMPARTMENT SINK: SEAMLESS #18 GAUGE, TYPE 302 (18-8) NICKEL BEARING STAINLESS STEEL. LK-6K-H SATIN FINISH FULLY UNDERCOATED, SINGLE HOLE, 6 1/2" BOWL DEPTH, 1 3/4" RADIUS COVED CORNERS, SELF RIMMING.	ZURN Z81284-XL	CENTERSET ADA GOOSENECK FAUCET WITH METAL LEVER HANDLES, 1/2" CONNECTIONS, WITHOUT DRAIN AND POP-UP HOLE. POLISHED CHROME FINISH. PROVIDE BASKET STRAINER AND DRAIN.	1, 2, 3
P-10	ELKAY LRAD 1720	ADA SINGLE COMPARTMENT SINK: SEAMLESS #18 GAUGE, TYPE 302 (18-8) NICKEL BEARING STAINLESS STEEL. LK-6K-H SATIN FINISH FULLY UNDERCOATED, SINGLE HOLE, 6 1/2" BOWL DEPTH, 1 3/4" RADIUS COVED CORNERS, SELF RIMMING.			2, 6

1- PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS
2- INSULATED EXPOSED TAILPIECE, P-TRAPS, AND WATER RISERS
3- PROVIDE CHROME PLATED BRASS TAILPIECE AND BASKET STRAINER
4- PROVIDE FLUSH VALVE HANDLE ON WIDE SIDE OF STALL
5- PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN
6- PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES
7- CHLORAMINE RESISTANT, DUAL FILTER BYPASS DIAPHRAGM
8- CARRIER
9- PROVIDE FLUSH WALL CLEANOUTS LOCATED 6" ABOVE FLUSH BOX VALVE BODY

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KS 66210
www.htkarchitects.com

KANSAS PROFESSIONAL ENGINEER — 21748 — 7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MECHANICAL SCHEDULES

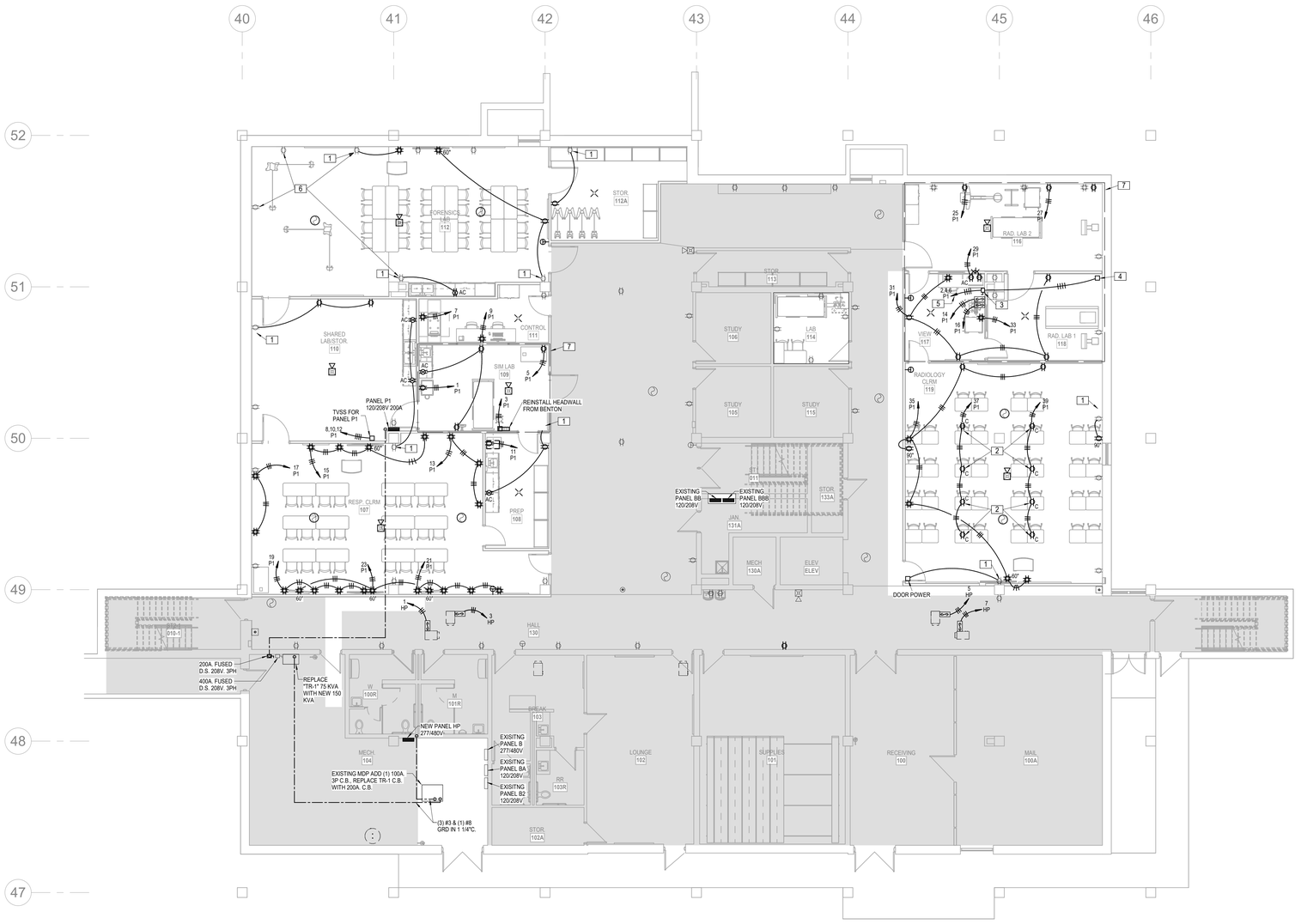
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
MP102

ORIGINAL CONTRACT DOCUMENTS

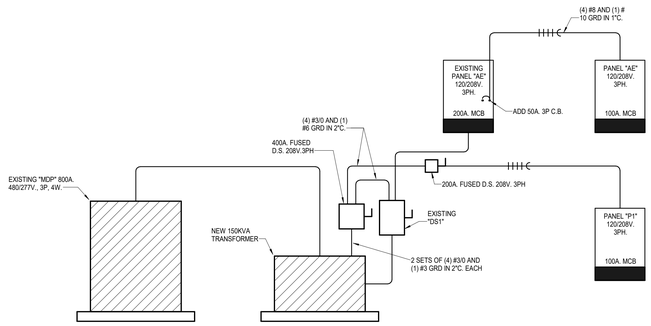
LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:	
1	CONNECT TO EXISTING CIRCUIT
2	CEILING MOUNTED RECEPTACLE WITH CORD REEL AND QUADPLEX AT END.
3	100A 208V 3PH DS, NON-FUSED, NEMA 1
4	JUNCTION BOX FOR X-RAY EQUIPMENT COORDINATE CONNECTION WITH EXISTING RELOCATED EQUIPMENT
5	(3) #3 AND (1) #8 GRD IN 1 1/4"C
6	REPLACE WITH NEW GFI RECEPTACLE.
7	PROVIDE HOSPITAL GRADE RECEPTAACLES FOR ALL DEVICES WITHIN THIS AREA.



1 LOWER LEVEL FLOOR PLAN
POWER
1/8" = 1'-0"

NORTH



2 RISER
ELECTRICAL
1/8" = 1'-0"

NORTH

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 200
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KANSAS 21749 PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - POWER

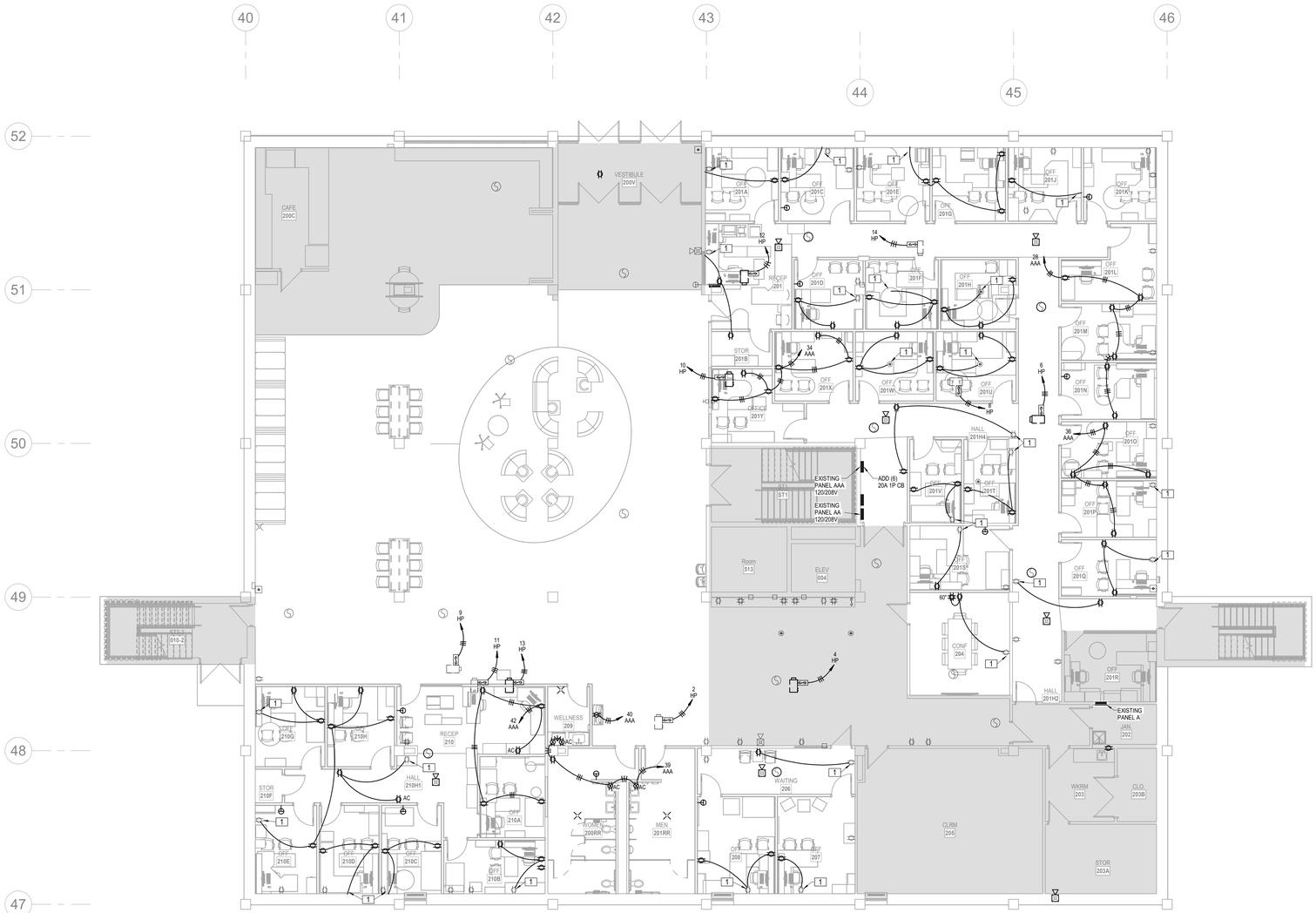
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E101

ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
1 CONNECT TO EXISTING CIRCUIT
2 CEILING MOUNTED RECEPTACLE WITH CORD REEL AND QUADPLEX AT END.
3 100A 208V 3PH DS, NON-FUSED, NEMA 1
4 JUNCTION BOX FOR X-RAY EQUIPMENT COORDINATE CONNECTION WITH EXISTING RELOCATED EQUIPMENT
5 (3) #3 AND (1) #8 GRD IN 1 1/4"C
6 REPLACE WITH NEW GFI RECEPTACLE.
7 PROVIDE HOSPITAL GRADE RECEPTAACLES FOR ALL DEVICES WITHIN THIS AREA.



NORTH

1 MAIN LEVEL FLOOR PLAN

POWER

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE. 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE B. WITT 21749 LICENSED PROFESSIONAL ENGINEER KANSAS
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN - POWER

HTK PROJECT NUMBER:
- 2312.03

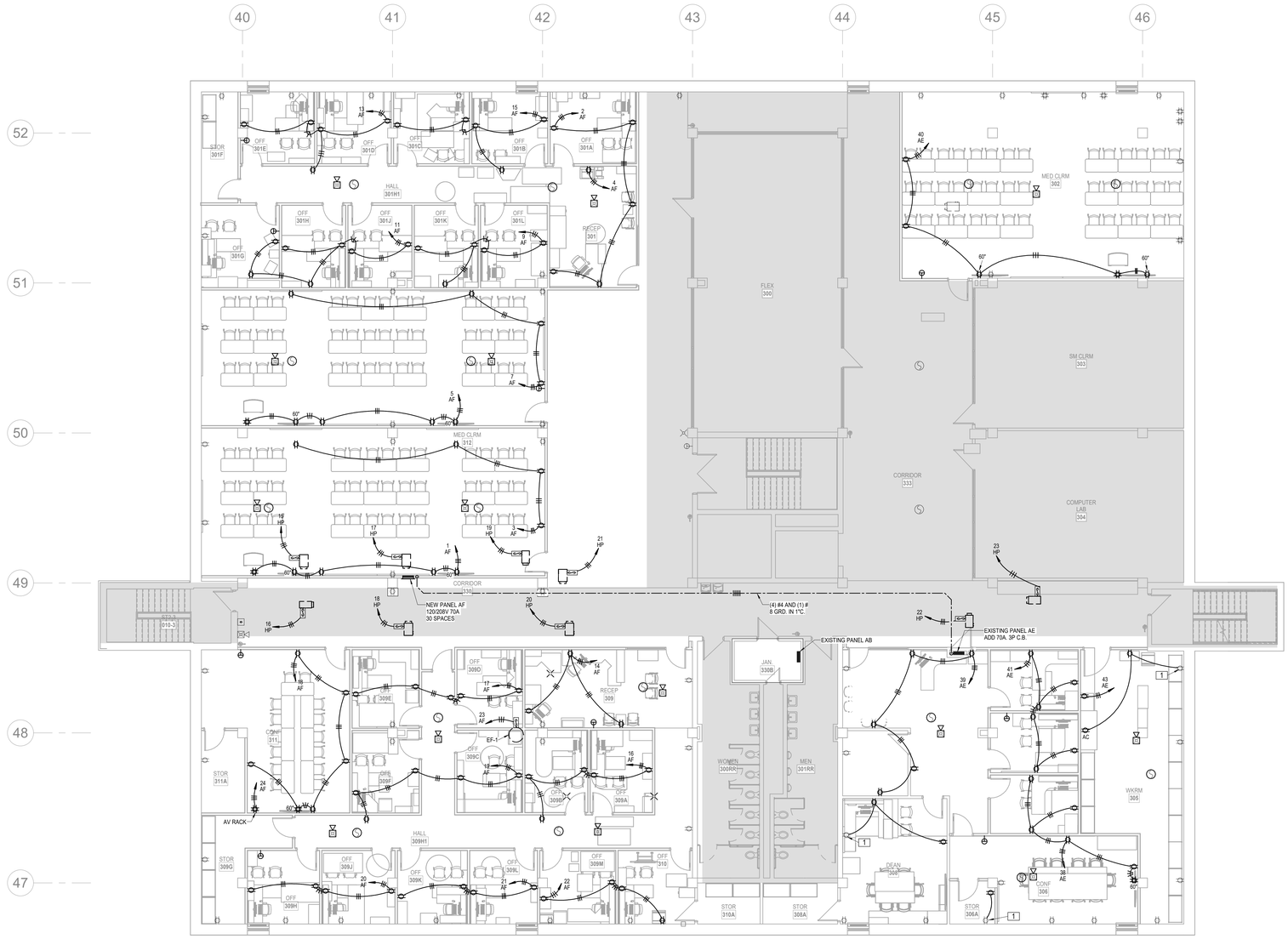
SHEET NUMBER:

E102

ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:	
1	CONNECT TO EXISTING CIRCUIT
2	CEILING MOUNTED RECEPTACLE WITH CORD REEL AND QUADPLEX AT END.
3	100A 208V 3PH DS, NON-FUSED, NEMA 1
4	JUNCTION BOX FOR X-RAY EQUIPMENT COORDINATE CONNECTION WITH EXISTING RELOCATED EQUIPMENT
5	(3) #3 AND (1) #8 GRD IN 1 1/4"C
6	REPLACE WITH NEW GFI RECEPTACLE.
7	PROVIDE HOSPITAL GRADE RECEPTAACLES FOR ALL DEVICES WITHIN THIS AREA.



NORTH

1 UPPER LEVEL FLOOR PLAN

POWER

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WIST
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - POWER

HTK PROJECT NUMBER:
- 2312.03

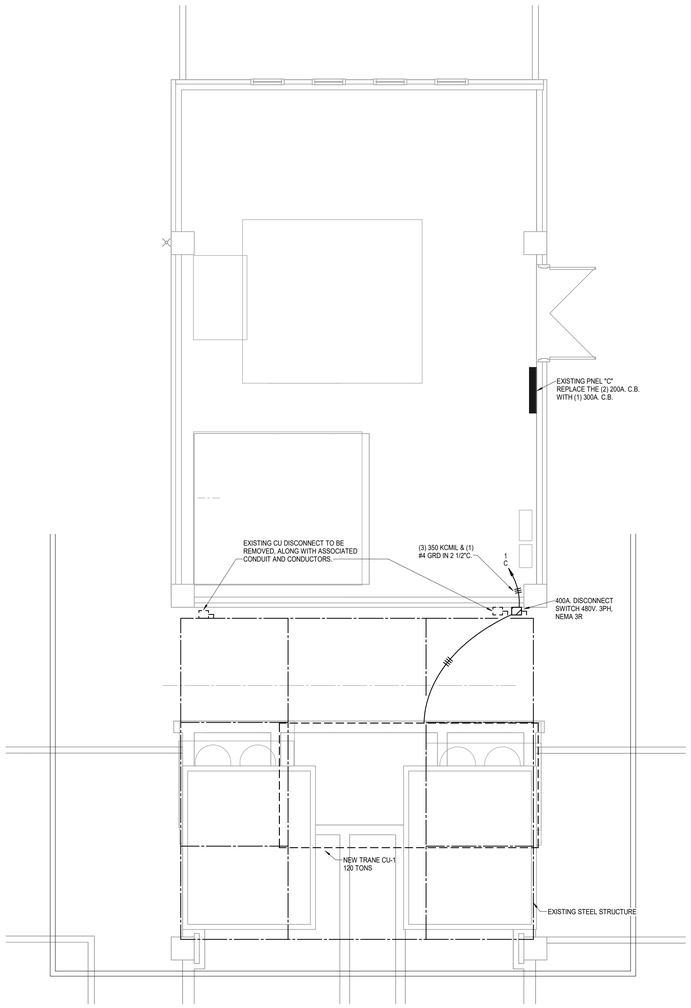
SHEET NUMBER:

E103

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
1 CONNECT TO EXISTING CIRCUIT
2 CEILING MOUNTED RECEPTACLE WITH CORD REEL AND QUADPLEX AT END.
3 100A 208V 3PH DS, NON-FUSED, NEMA 1
4 JUNCTION BOX FOR X-RAY EQUIPMENT COORDINATE CONNECTION WITH EXISTING RELOCATED EQUIPMENT
5 (3) #3 AND (1) #8 GRD IN 1 1/4"C
6 REPLACE WITH NEW GFI RECEPTACLE.
7 PROVIDE HOSPITAL GRADE RECEPTAACLES FOR ALL DEVICES WITHIN THIS AREA.



NORTH

1 PENTHOUSE PLAN
POWER
1/4" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE. 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE B. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- PENTHOUSE FLOOR PLAN - POWER

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E104

ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	MOUNTING				FINISH	SOURCE		REMARKS
			RECESSED	SURFACE	WALL	PENDANT		TYPE	CODE	
"A"	RAB	EZPANHE 2X4 46 N/D10	X				WHITE	LED	6,150LUM/46W	1
"B"	RAB	EZPANHE 2X2 30 N/D10	X				WHITE	LED	4,136LUM/30W	1
"B1"	RAB	EZPANHE 2X2 30 N/D11 SMKEZPAN		X			WHITE	LED	4,136LUM/30W	1
"C"	RAB	WFRL8R239FADWS	X				WHITE	LED	1,960LUM/23W	1, 3
"D"	HEALTHCARE LIGHTING	HPW348 MVOLT LED40 1U2D S2L FW			X		WHITE	LED	6087LUM/60W	6
"E"	DUAL LITE	EV4R	X				WHITE	LED	4W	5
"X"	DUAL LITE	LEW(C) * G * NE		X	X		ALUMINUM	LED	1.1W	2, 4

NOTES:

1 ALL FIXTURES 277V UNLESS NOTED OTHERWISE

2 ALL FIXTURES 4000K COLOR TEMPERATURE UNLESS NOTED OTHERWISE

REMARKS:

1 0-10V DIMMING DRIVER

2 VERIFY MOUNTING TYPE, ARROWS AND FACES WITH FLOOR PLAN.

3 IC RATED

4 COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

5 EMERGENCY EGRESS FIXTURE, NORMALLY OFF.

6 VERIFY MOUNTING HEIGHT WITH ARCHITECT

LEGEND:

1 CONNECT TO EXISTING LIGHTING CIRCUIT.

2 RECIRCUIT LIGHTING IN THIS ROOM TO NEW WALL SWITCH.

3 ADJUST CIRCUITING IN THIS AREA TO MAINTAIN CONTINUITY OF LIGHTING CIRCUIT.

NORTH

1 **LOWER LEVEL CEILING PLAN**
LIGHTING
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
LOWER LEVEL FLOOR PLAN - LIGHTING

HTK PROJECT NUMBER:
2312.03

SHEET NUMBER:
E201

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

LEGEND:
1 CONNECT TO EXISTING LIGHTING CIRCUIT.
2 RECIRCUIT LIGHTING IN THIS ROOM TO NEW WALL SWITCH.
3 ADJUST CIRCUITING IN THIS AREA TO MAINTAIN CONTINUITY OF LIGHTING CIRCUIT.

NORTH

1 MAIN LEVEL CEILING PLAN
LIGHTING
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

TYLER R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN - LIGHTING

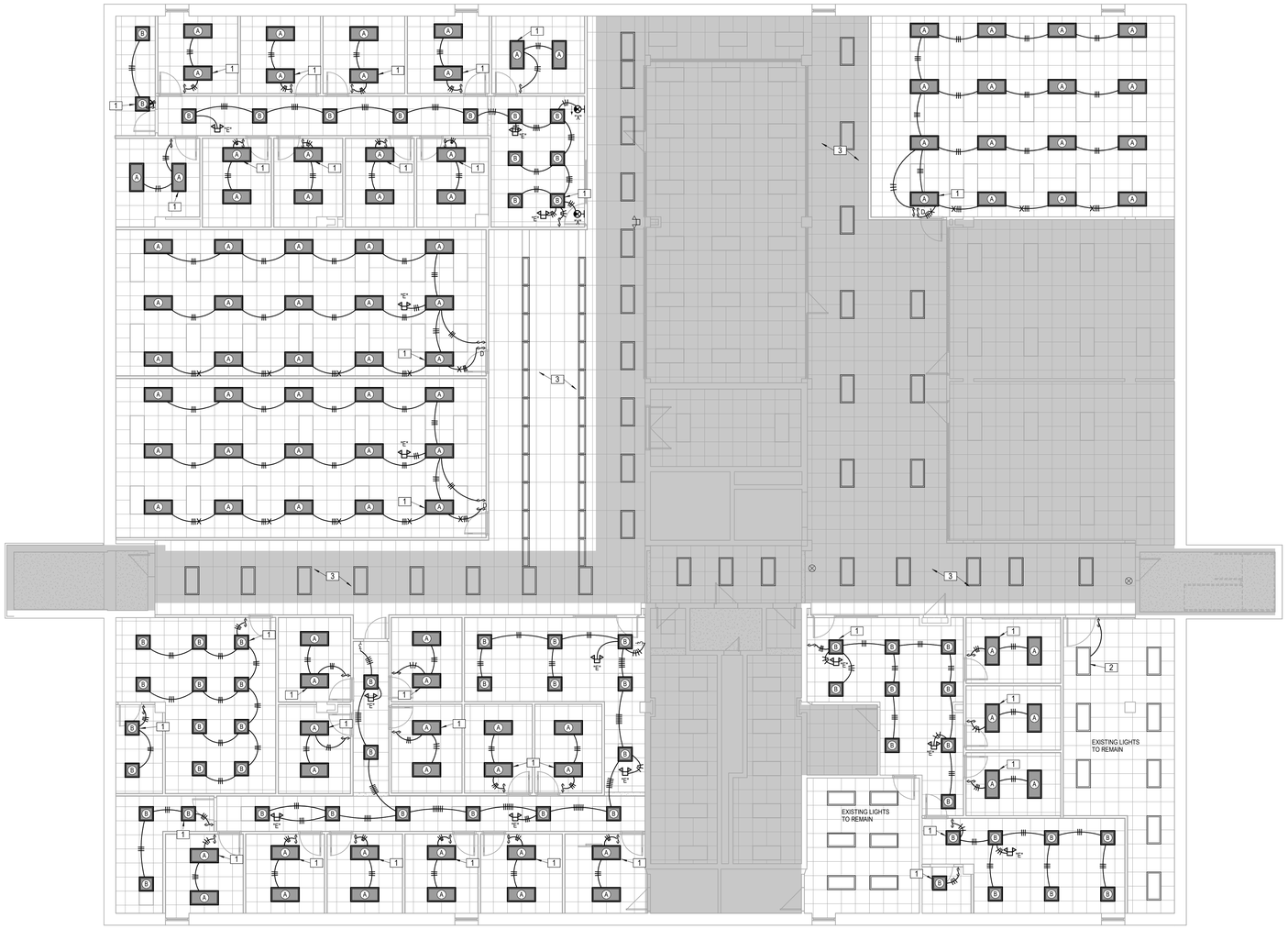
HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E202

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LS& PROJECT NO. 2405005

LEGEND:
1 CONNECT TO EXISTING LIGHTING CIRCUIT.
2 RECIRCUIT LIGHTING IN THIS ROOM TO NEW WALL SWITCH.
3 ADJUST CIRCUITING IN THIS AREA TO MAINTAIN CONTINUITY OF LIGHTING CIRCUIT.



NORTH

1 UPPER LEVEL CEILING PLAN
LIGHTING
1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WIT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

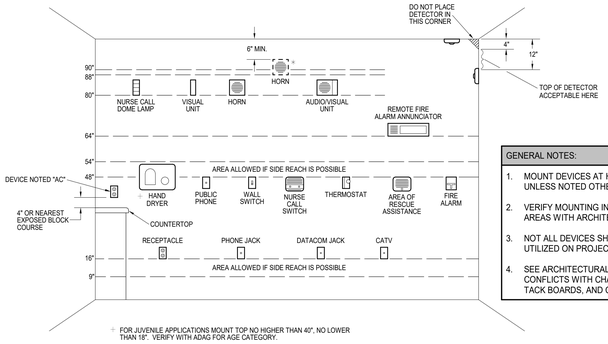
SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - LIGHTING

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E203

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005



GENERAL NOTES:

1. MOUNT DEVICES AT HEIGHT INDICATED UNLESS NOTED OTHERWISE ON PLANS.
2. VERIFY MOUNTING IN SIDE REACH AREAS WITH ARCHITECT.
3. NOT ALL DEVICES SHOWN MAY BE UTILIZED ON PROJECT.
4. SEE ARCHITECTURAL DRAWINGS FOR CONFLICTS WITH CHALK BOARDS, TACK BOARDS, AND CASEWORK.

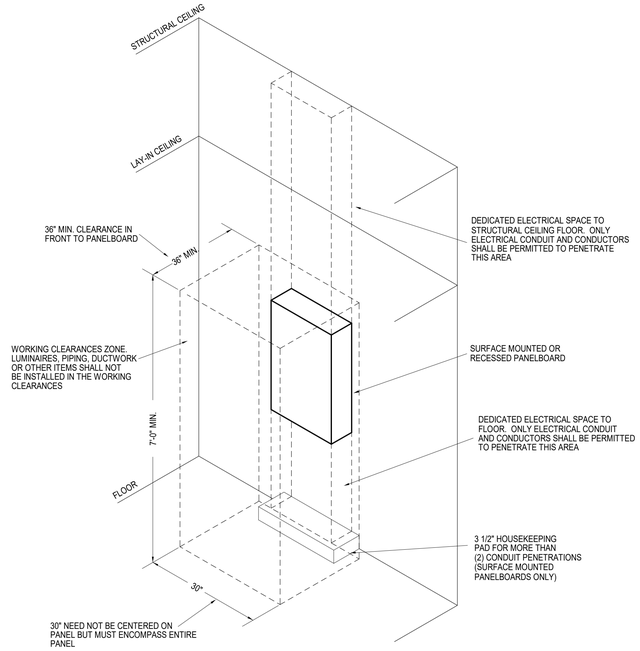
DEVICE MOUNTING NOTES:

1. VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
2. AUDIO UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.

   * TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH BLOCK COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.
3. AUDIO/VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
4. PULL STATION
   HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH).

ELECTRICAL DEVICE MOUNTING HEIGHTS SHALL CONFORM TO THE LATEST EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

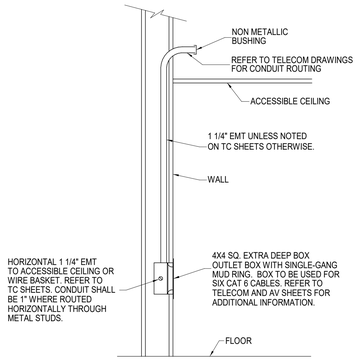
1 ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



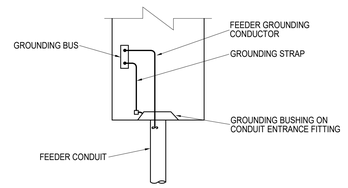
NOTE:

COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.

2 PANELBOARD INSTALLATION DETAIL
NOT TO SCALE



3 TELECOM/AV OUTLET DETAIL
NOT TO SCALE



4 PANEL GROUNDING DETAIL
NOT TO SCALE

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT 21749 KANSAS PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- ELECTRICAL DETAILS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E301

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

Panel: P1

Location: | **Supply From:** | **Mounting:** | **Enclosure:**

Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4

A.I.C. Rating: 22K | **Mains Type:** MCB | **Mains Rating:** 225 A | **MCB Rating:** 200

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle 118A	20 A	12	180	9000								2
3	Head Unit Receptacle	20 A	12			0	9000			3	100 A	X-RAY EQUIPMENT	4
5	Receptacle 118A	20 A	12					180	9000				6
7	Receptacle 118C	20 A	12	400	167								8
9	Receptacle 118C	20 A	12			400	167			6	60 A	TVSS	10
11	Receptacle 118B	20 A	12					180	167				12
13	Receptacle 118	20 A	12	1200	500					12	20 A	TUBESTAND X-RAY CONTROL	14
15	Receptacle 118	20 A	12			1600	500			12	20 A	TABLE X-RAY CONTROL	16
17	Receptacle 118	20 A	12					800					18
19	Receptacle 118	20 A	12	1600									20
21	Receptacle 118	20 A	12			1600							22
23	Receptacle 118	20 A	12					1200					24
25	Receptacle 117	20 A	12	180									26
27	Receptacle 117	20 A	12			180							28
29	Receptacle 117A	20 A	12					360					30
31	Receptacle 117A	20 A	12	1120									32
33	Receptacle 117A	20 A	12			400							34
35	Receptacle 115	20 A	12					1960					36
37	Receptacle 115	20 A	12	720									38
39	Receptacle 115	20 A	12			720							40
41													42
		Total Load:		15067 VA		14567 VA		13847 VA					
		Total Amps:		126 A		122 A		115 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Power	27500 VA	100.00%	27500 VA		
Receptacle	14980 VA	83.38%	12490 VA	**Total Conn. Load:**	43480 VA
HVAC Load	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	40990 VA
				Total Conn.:	121 A
				Total Est. Demand:	114 A

Notes:

Panel: HP

Location: | **Supply From:** | **Mounting:** | **Enclosure:**

Volts: 480/277 Wye | **Phases:** 3 | **Wires:** 4

A.I.C. Rating: 22K | **Mains Type:** MCB | **Mains Rating:** 225 A | **MCB Rating:** 100

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	VAV BOX	20 A	12	4000	1500					12	20 A	VAV BOX	2
3	VAV BOX	20 A	12			3500	2000			12	20 A	VAV BOX	4
5	VAV BOX	20 A	12					4000	3000	12	20 A	VAV BOX	6
7	VAV BOX	20 A	12	2500	3000					12	20 A	VAV BOX	8
9	VAV BOX	20 A	12			1000	2000			12	20 A	VAV BOX	10
11	VAV BOX	20 A	12					2000	2000	12	20 A	VAV BOX	12
13	VAV BOX	20 A	12	2000	2000					12	20 A	VAV BOX	14
15	VAV BOX	20 A	12			4000	3000			12	20 A	VAV BOX	16
17	VAV BOX	20 A	12					4000	3000	12	20 A	VAV BOX	18
19	VAV BOX	20 A	12	2000	4000					12	20 A	VAV BOX	20
21	VAV BOX	20 A	12			4000	2000			12	20 A	VAV BOX	22
23	VAV BOX	20 A	12					3000					24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		21000 VA		21500 VA		21000 VA					
		Total Amps:		76 A		78 A		76 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC Load	63500 VA	100.00%	63500 VA		
				Total Conn. Load:	63500 VA
				Total Est. Demand:	63500 VA
				Total Conn.:	76 A
				Total Est. Demand:	76 A

Notes:

Panel: AF

Location: | **Supply From:** PANEL AE | **Mounting:** RECESSED | **Enclosure:**

Volts: 120/208 Wye | **Phases:** 3 | **Wires:** 4

A.I.C. Rating: 10K | **Mains Type:** MLO | **Mains Rating:** 100 A | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle 313	20 A		1120	900						20 A	Receptacle 315A	2
3	Receptacle 313	20 A				720	180				20 A	Receptacle	4
5	Receptacle 314	20 A						1120					6
7	Receptacle 314	20 A		720									8
9	Receptacle 315K	20 A				900							10
11	Receptacle 315I	20 A						1260					12
13	Receptacle 315D	20 A		900	540						20 A	Receptacle 311	14
15	Receptacle 315B	20 A				900	900				20 A	Receptacle 311F	16
17	Receptacle 311B	20 A						900	1300		20 A	Receptacle 312	18
19	Receptacle 311D	20 A		900	720						20 A	Receptacle 311K	20
21	Receptacle 311I	20 A				720	720				20 A	Receptacle 311H	22
23	HVAC Load 311B	20 A						0	400		20 A	Receptacle 312	24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		5800 VA		5040 VA		4980 VA					
		Total Amps:		48 A		42 A		42 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Receptacle	15820 VA	81.61%	12910 VA		
HVAC Load	0 VA	0.00%	0 VA	**Total Conn. Load:**	15820 VA
				Total Est. Demand:	12910 VA
				Total Conn.:	44 A
				Total Est. Demand:	36 A

Notes:

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300 | TOPEKA, KANSAS 66612 | P 785.266.5373
9300 W 110TH ST., STE 150 | OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT — LICENSED — 27749 — KANSAS — PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- ELECTRICAL SCHEDULES

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
E302

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

NOTES:

1. COORDINATE WITH OWNER'S AV VENDOR (CYTEK) FOR EXACT CONDUIT/BACKBOX/POWER INFRASTRUCTURE REQUIREMENTS.
2. REFER TO SHEET T201 FOR ADDITIONAL GENERAL NOTES.
3. COORDINATE AND VERIFY CAMERA PLACEMENT AND VIEWS WITH THE OWNER.

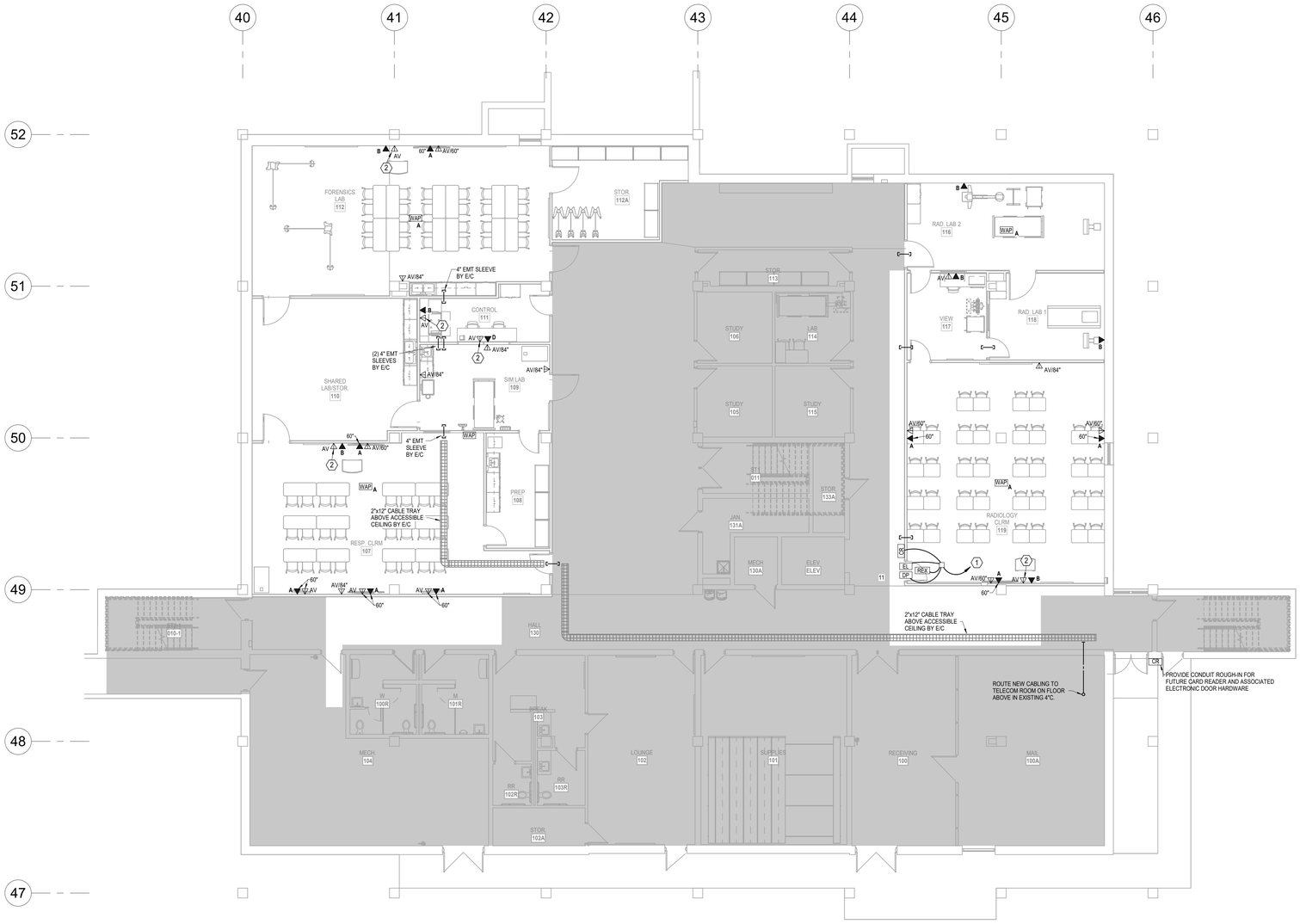
LEGEND:

(1) CBS SHALL ROUTE ACCESS CONTROL COMBO CABLE TO EXISTING ACCESS CONTROL PANEL IN TELECOM ROOM AND TERMINATE ON BOTH ENDS. CONTRACTOR SHALL CONTACT CBS FOR PRICING TO BE INCLUDED IN BID.

(2) PROVIDE (2) 1 1/4" EMT CONDUITS TO ABOVE ACCESSIBLE CEILING.

(3) PROVIDE AV OUTLETS AT 18" AFF AND 60" AFF WITH CONNECTING 1 1/4" EMT CONDUIT. ADDITIONALLY PROVIDE 1 1/4" EMT CONDUIT FROM AV OUTLET AT 60" TO ABOVE ACCESSIBLE CEILING.

(4) ROUTE CAT6 FROM CAMERA TO TELECOM ROOM AND TERMINATE ON BOTH ENDS. PROVIDE CAT6 PATCH CORD FROM CAMERA OUTLET TO CAMERA.



NORTH

1 LOWER LEVEL FLOOR PLAN

TELECOM

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE B. WITT — 21749 — KANSAS — PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- LOWER LEVEL FLOOR PLAN - TELECOM

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

T101

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

NOTES:

1. COORDINATE WITH OWNER'S AV VENDOR (CYTEK) FOR EXACT CONDUIT/BACKBOX/POWER INFRASTRUCTURE REQUIREMENTS.
2. REFER TO SHEET T201 FOR ADDITIONAL GENERAL NOTES.
3. COORDINATE AND VERIFY CAMERA PLACEMENT AND VIEWS WITH THE OWNER.

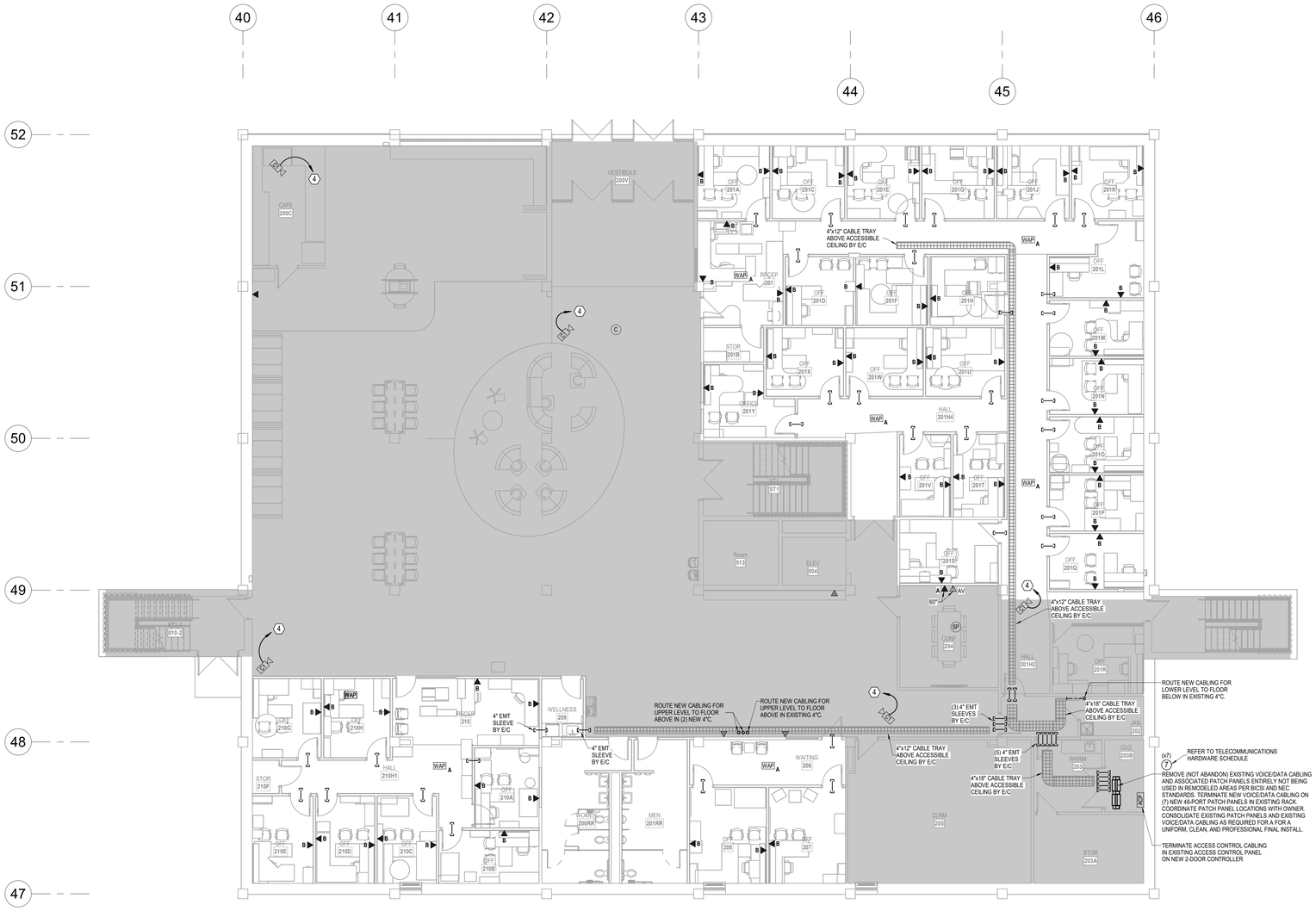
LEGEND:

(1) CBS SHALL ROUTE ACCESS CONTROL COMBO CABLE TO EXISTING ACCESS CONTROL PANEL IN TELECOM ROOM AND TERMINATE ON BOTH ENDS. CONTRACTOR SHALL CONTACT CBS FOR PRICING TO BE INCLUDED IN BID.

(2) PROVIDE (2) 1 1/4" EMT CONDUITS TO ABOVE ACCESSIBLE CEILING.

(3) PROVIDE AV OUTLETS AT 18" AFF AND 60" AFF WITH CONNECTING 1 1/4" EMT CONDUIT. ADDITIONALLY PROVIDE 1 1/4" EMT CONDUIT FROM AV OUTLET AT 60" TO ABOVE ACCESSIBLE CEILING.

(4) ROUTE CAT6 FROM CAMERA TO TELECOM ROOM AND TERMINATE ON BOTH ENDS. PROVIDE CAT6 PATCH CORD FROM CAMERA OUTLET TO CAMERA.



NORTH

1 MAIN LEVEL FLOOR PLAN

TELECOM

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
LICENSED
21749
KANSAS
PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- MAIN LEVEL FLOOR PLAN - TELECOM

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:

T102

ORIGINAL CONTRACT DOCUMENTS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

NOTES:

1. COORDINATE WITH OWNER'S AV VENDOR (CYTEK) FOR EXACT CONDUIT/BACKBOX/POWER INFRASTRUCTURE REQUIREMENTS.
2. REFER TO SHEET T201 FOR ADDITIONAL GENERAL NOTES.
3. COORDINATE AND VERIFY CAMERA PLACEMENT AND VIEWS WITH THE OWNER.

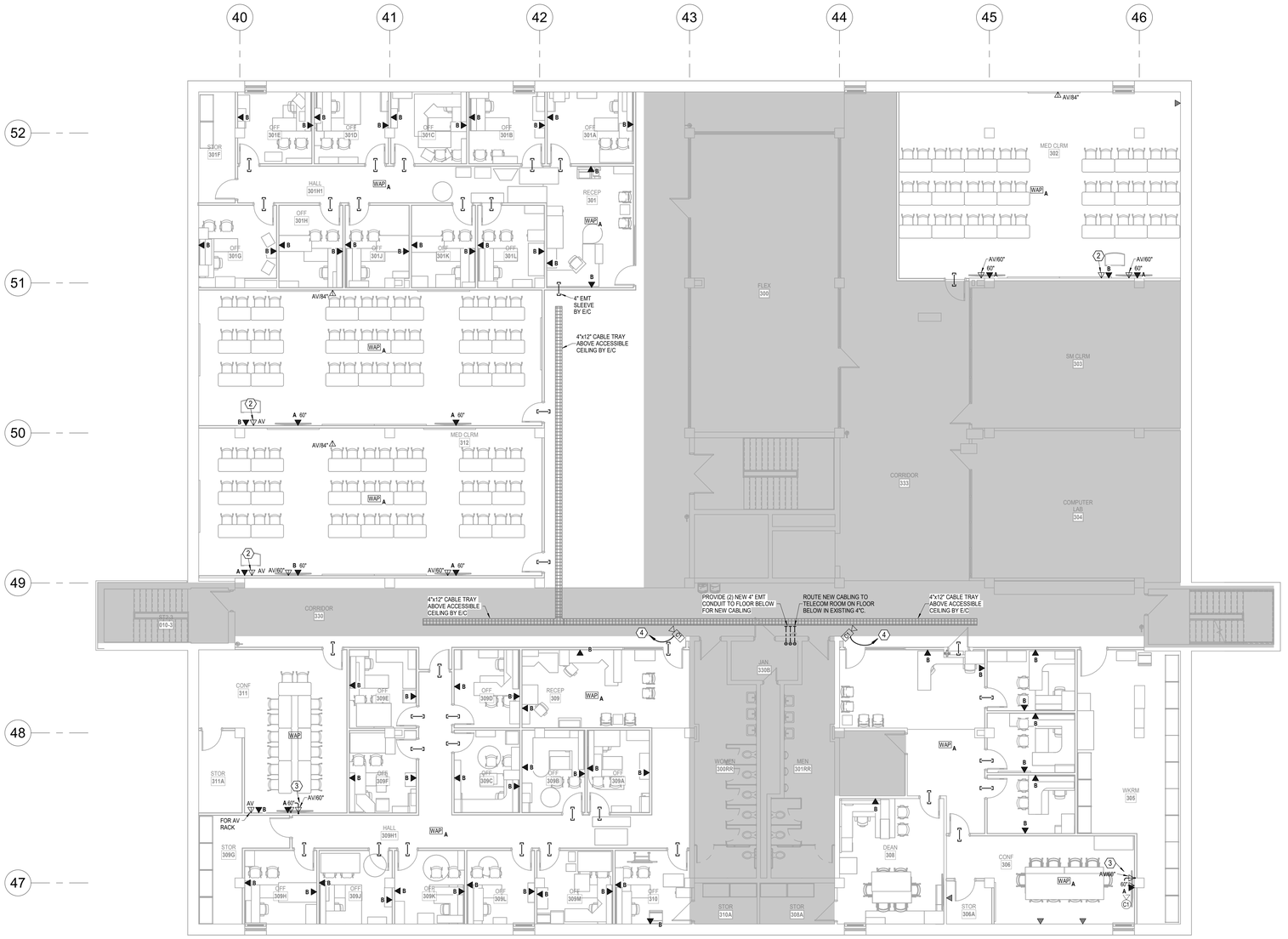
LEGEND:

(1) CBS SHALL ROUTE ACCESS CONTROL COMBO CABLE TO EXISTING ACCESS CONTROL PANEL IN TELECOM ROOM AND TERMINATE ON BOTH ENDS. CONTRACTOR SHALL CONTACT CBS FOR PRICING TO BE INCLUDED IN BID.

(2) PROVIDE (2) 1 1/4" EMT CONDUITS TO ABOVE ACCESSIBLE CEILING.

(3) PROVIDE AV OUTLETS AT 18" AFF AND 60" AFF WITH CONNECTING 1 1/4" EMT CONDUIT. ADDITIONALLY PROVIDE 1 1/4" EMT CONDUIT FROM AV OUTLET AT 60" TO ABOVE ACCESSIBLE CEILING.

(4) ROUTE CAT6 FROM CAMERA TO TELECOM ROOM AND TERMINATE ON BOTH ENDS. PROVIDE CAT6 PATCH CORD FROM CAMERA OUTLET TO CAMERA.



NORTH

1 UPPER LEVEL FLOOR PLAN

TELECOM

1/8" = 1'-0"

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KANSAS 66210
www.htkarchitects.com

KYLE R. WITT
NO. 21749
PROFESSIONAL ENGINEER
KANSAS
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION

Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- UPPER LEVEL FLOOR PLAN - TELECOM

HTK PROJECT NUMBER:
- 2312.03

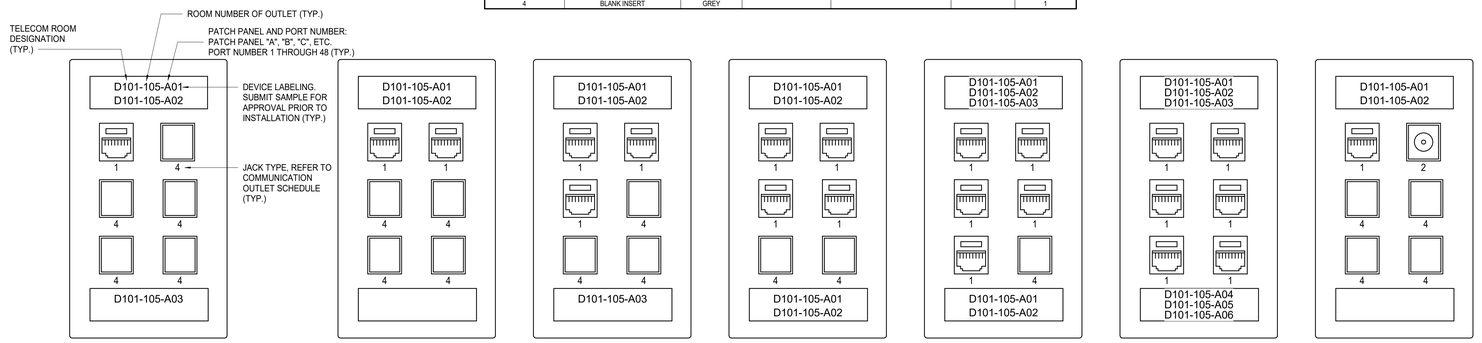
SHEET NUMBER:

T103

ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005

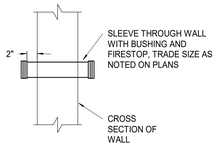
COMMUNICATION OUTLET SCHEDULE						
DESIGNATION	JACK			CABLING		REMARKS
	JACK DESCRIPTION	COLOR	NETWORK	CABLE DESCRIPTION	COLOR	
1	CATEGORY 6, RJ45, VOIP	WHITE		CATEGORY 6, 4-PAIR, UTP	WHITE	1
2	F-CONNECTOR	GREY		RG-6, COAX CABLE	WHITE	1
4	BLANK INSERT	GREY				1

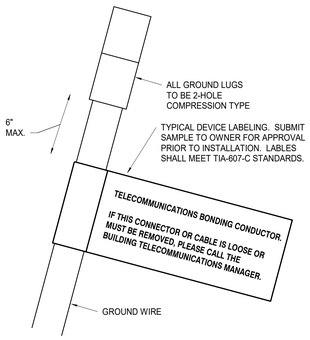


NOTES:

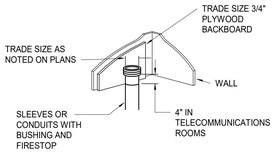
1. RUN EXPOSED FIBER IN 1 1/4" INNERDUCT CARLON RISER-GUARD/OPTI-GUARD DF4X1-200
2. VERIFY ROOM NUMBERS WITH OWNER PRIOR TO LABELING FACEPLATES AND PATCH PANELS.
3. PROVIDE BONDING JUMPERS BETWEEN ALL SECTIONS OF WIRE BASKET RUNWAY.
4. PROVIDE A #6 GREEN GROUND WIRE FROM BUSBAR TO ALL RACKS. LABEL ACCORDING TO OWNER SPECIFICATIONS. SEE DETAIL.
5. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS PRIOR TO INSTALLATION.
6. PROVIDE LABELING OF ALL RACKS AND LOCATE ON TOP RAIL. SUBMIT SAMPLE TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
7. PROVIDE LABELING FOR ALL GROUND WIRE AT EVERY TERMINATION POINT. SUBMIT SAMPLE TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.
8. T/C TO INSTALL FIRE STOP IN ALL SLEEVES AND CONDUITS. INSTALL PER MANUFACTURERS LISTED UL SYSTEM.
9. CONDUITS THAT HAVE A INTERNAL DIAMETER OF 2" OR LESS SHALL HAVE A BEND RADIUS OF AT LEAST 6 TIMES THE INTERNAL CONDUIT DIAMETER AND 10 TIMES THE INTERNAL DIAMETER FOR CONDUITS LARGER THAN 2".
10. MOUNT ALL CABLES WITH A D-RING OR OTHER ACCEPTABLE FASTENER. PROVIDE WIRE TIES EVENLY SPACED TO PROVIDE A CLEAN INSTALLATION.

1 COMMUNICATION OUTLET DETAIL
NOT TO SCALE





2 GROUND WIRE DETAIL
NOT TO SCALE



3 SLEEVE/CONDUIT DETAIL
NOT TO SCALE

TELECOMMUNICATION CABLING SCHEDULE									
MARK	DESCRIPTION	CABLE CONDUCTORS	MANUFACTURER	MODEL NUMBER	NOMINAL O.D.	JACKET COLOR	REMARKS	PROVIDED BY	INSTALLED BY
1	CATEGORY 6 COPPER CABLE (CMP)	4 PAIR	SUPERIOR ESSEX	66-240-2B	0.22"	BLUE		T/C	T/C
2	1 FT CATEGORY 6 PATCH CABLE (DATA)	4 PAIR	ORTRONICS	OR-MC601-06		BLUE	PROVIDE 250	T/C	T/C
3	5 FT CATEGORY 6 PATCH CABLE (DATA)	4 PAIR	ORTRONICS	OR-MC605-06		BLUE	PROVIDE 45	T/C	T/C
4	7 FT CATEGORY 6 PATCH CABLE (DATA)	4 PAIR	ORTRONICS	OR-MC607-06		BLUE	PROVIDE 150	T/C	T/C
5	9 FT CATEGORY 6 PATCH CABLE (DATA)	4 PAIR	ORTRONICS	OR-MC609-06		BLUE	PROVIDE 45	T/C	T/C
6	15 FT CATEGORY 6 PATCH CABLE (DATA)	4 PAIR	ORTRONICS	OR-MC615-06		BLUE	PROVIDE 15	T/C	T/C

REMARKS:
1 - USE OSP-RATED CABLING FOR VOICE/DATA OUTLETS THAT PASS BELOW GRADE

TELECOMMUNICATIONS HARDWARE SCHEDULE						
MARK	MANUFACTURER	MODEL/PART NUMBER	PROVIDED BY	INSTALLED BY	DESCRIPTION	REMARKS
1	CABLOFIL	SIZE AS NOTED ON PLANS	E/C	E/C	WIRE BASKET	3
2	ORTRONICS	OR-40300158	T/C	T/C	SINGLE GANG SERIES II FACEPLATE (FOG WHITE)	
3	ORTRONICS	OR-S22600	T/C	T/C	CATEGORY 6 T568 A/B SERIES II MODULE	2
4	ORTRONICS	OR-40300144	T/C	T/C	SERIES II BLANK (BLACK BLANKS IN POKE-THRU'S)	
5	ORTRONICS	OR-40300100	T/C	T/C	VOICE COLOR CODED TABS - BLACK	
6	ORTRONICS	OR-40326200	T/C	T/C	DATA COLOR CODED TABS - BLUE	
7	ORTRONICS	OR-PHD66U48	T/C	T/C	48 PORT CATEGORY 6 PATCH PANEL	2
8	BY OWNER	BY OWNER	OWNER	OWNER	48-PORT POE GIGABIT SWITCH	1
9	BY OWNER	BY OWNER	OWNER	T/C	WIRELESS ACCESS DEVICE	1

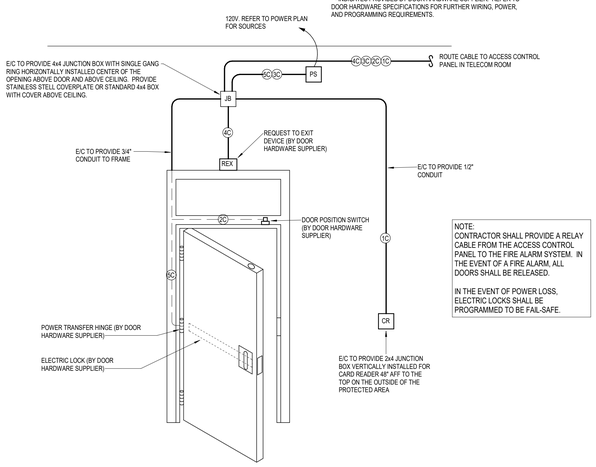
REMARKS:
1 - ITEM SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. COORDINATE LABELING REQUIREMENTS WITH OWNER.
2 - WIRE CABLING T568B.
3 - PROVIDE CABLE DROP-OUTS AS REQUIRED.

CABLE LEGEND:	
1C	PROXIMITY CARD READER (ORANGE) 18GA./6 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
2C	MAGNETIC SWITCH (WHITE) 18GA./2 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
3C	ELECTRIC LOCK (GRAY) 16GA./4 COND. TWISTED OVEERALL SHIELD, RISER RATED CABLE.
4C	REQUEST TO EXIT (BLUE) 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
6C	ELECTRIC LOCK FROM PS TO PUSHBAR 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.

ACCESS CONTROL CABLE SCHEDULE:	
1C,2C,3C,4C	BELDEN MODEL #538AFS
9C	BELDEN MODEL #5302FE

ACCESS CONTROL DEVICE LEGEND:	
ACP	ACCESS CONTROL PANEL
CR	HID CARD READER
REX	REQUEST TO EXIT *
DP	DOOR POSITION SWITCH *
EL	ELECTRIC LOCK (24V. DC) *
PS	POWER SUPPLY (24V. DC) *
ADA	ADA PUSHBUTTON *
DADA	DUAL ADA PUSHBUTTON*
ADAM	ADA MOTORIZED OPERATOR *
VIMS	VIDEO INTERCOM MASTER STATION
VIC	VIDEO INTERCOM

* - INDICATES PROVIDED BY DOOR HARDWARE SUPPLIER. REFER TO DOOR HARDWARE SPECIFICATIONS FOR FURTHER WIRING, POWER, AND PROGRAMMING REQUIREMENTS.



NOTE:
CONTRACTOR SHALL PROVIDE A RELAY CABLE FROM THE ACCESS CONTROL PANEL TO THE FIRE ALARM SYSTEM. IN THE EVENT OF A FIRE ALARM, ALL DOORS SHALL BE RELEASED.

IN THE EVENT OF POWER LOSS, ELECTRIC LOCKS SHALL BE PROGRAMMED TO BE FAIL-SAFE.

4 TYPICAL ACCESS DOOR DETAIL
NOT TO SCALE

ACCESS CONTROL HARDWARE SCHEDULE				
MARK	MANUFACTURER	MODEL/PART NUMBER	DESCRIPTION	REMARKS
1C,2C,3C,4C	BELDEN	538AFS	ACCESS CONTROL CABLE	1
9C	BELDEN	5302FE	ACCESS CONTROL CABLE	1
ACP	HOFFMAN	AH24N24	HOFFMAN ACCESS CONTROL ENCLOSURE (24"x24" NEMA 1)	1, 3
CR	HID	RMPK40 (925PTNTEK00002L)	MULTICLASS MAGNETIC CARD SWIPE READER	1
PPS1	ALTRONIX	AL1024ULXPD16	POWER SUPPLY FOR ACCESS CONTROL PANEL (24V. OUTPUTS)	1, 4
PPS2	ALTRONIX	AL1012ULXPD8	POWER SUPPLY FOR ACCESS CONTROL PANEL (12V. OUTPUTS)	1, 4
DP	N/A	N/A	DOOR POSITION SWITCH	2
REX	N/A	N/A	REQUEST TO EXIT DETECTOR	2
EL	N/A	N/A	POWER SUPPLY (24V DC.)	2

REMARKS:
1 - PROVIDED AND INSTALLED BY CBS.
2 - PROVIDED AS A PART OF THE DOOR HARDWARE PACKAGE.
3 - PROVIDE EXISTING PANEL WITH DOOR READER INTERFACE (PERSONA/HID MODEL #V100).
4 - POWER SUPPLY SHALL BE LOCATED IN TELECOM ROOM.

SECURITY HARDWARE SCHEDULE				
MARK	MANUFACTURER	MODEL/PART NUMBER	DESCRIPTION	REMARKS
C1	AVIGILON	4.0C-H6X-D01-IR	4MP INDOOR IR DOME, 4.4-9.3MM	1

REMARKS:
1. CONTRACTOR SHALL PROVIDE LICENSING AND PROGRAM INTO OWNER'S EXISTING VIDEO SURVEILLANCE SYSTEM. PROVIDE WITH IN-CEILING MOUNT, MODEL #CLADP-1001.

HTK ARCHITECTS
300 S. KANSAS AVE., SUITE 300
TOPEKA, KANSAS 66612
P 785.266.5373
9300 W 110TH ST., STE 150
OVERLAND PARK, KS 66210
www.htkarchitects.com

WYLIE B. WITT JR. 21749 KANSAS LICENSED PROFESSIONAL ENGINEER
7/16/2024

DATE:
- July 15, 2024

REVISED DATE:

MABEE LIBRARY RENOVATION
Washburn University
1800 SW 19th Street, Topeka, KS 66621

SHEET CONTENTS:
- TELECOM DETAILS

HTK PROJECT NUMBER:
- 2312.03

SHEET NUMBER:
T201
ORIGINAL CONTRACT DOCUMENTS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2405005