INDIANA TOLL ROAD CONCESSION COMPANY, LLC

ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ELKHART, INDIANA

100% CONSTRUCTION DOCUMENTS

JANUARY 30, 2026

DLZ PROJECT NO. 2461-2017-06

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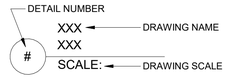
ABBREVIATIONS

ABBREVIATIONS:

A.B.	ANCHOR BOLT	FWC	FABRIC WALL COVERING	QTY.	QUANTITY
A/C	AIR CONDITIONING	FIN.	FINISH		
A.D.	AREA DRAIN	FLR	FLOOR	R.	RIGHT
ADD.	ADDENDUM	FT	FOOT OR FEET	RAD.	RADIUS
AFF	ABOVE FINISHED FLOOR	FTG	FOOTING	RA	RETURN AIR
AFG	ABOVE FINISHED GRADE			RB	RUBBER BASE
AFT	ATHLETIC FLOOR TILE	GA	GAUGE	RBR	RUBBER
AP	ACCESS PANEL	GC	GENERAL CONTRACTOR	RD.	ROAD
APC	ACOUSTICAL PANEL CEILING	GRV	GRAVITY ROOF VENTILATOR	RD	ROOF DRAIN
A/V	AUDIO VISUAL	GL.	GLASS	REC.	RECESSED
ADMIN.	ADMINISTRATION	GND.	GROUND	REF	REFRIGERATOR
AGGR.	AGGREGATE	GR.	GRADE	REV.	REVISION
ALT.	ALTERNATE	GWB	GYPSUM WALL BOARD	REM.	REMOVABLE
ALUM	ALUMINUM			RH	RIGHT HAND
APPROX	APPROXIMATE	H.	HIGH	RHR	RIGHT HAND REVERSE
ARCH.	ARCHITECT (ARCHITECTURAL)	H.B.	HOSE BIBB	RCP	REINFORCED CONCRETE PIPE
ASPH.	ASPHALT	HM	HOLLOW METAL	RE:	REFER TO:
ASSOC.	ASSOCIATE	HOA	HAND-OFF-AUTOMATIC	RECPT	RECEPTACLE
AVG	AVERAGE	HVAC	HEATING VENTILATING & AIR-CONDITIONING	RECT.	RECTANGLE OR RECTANGULAR
		HW	HOT WATER	REINF	REINFORCE (D) (ING) (MENT)
B/	BOTTOM	HWS	HOT WATER SUPPLY	REQD.	REQUIRED
BB	BOND BEAM	HWR	HOT WATER RETURN	REV.	REVERSE
B.F.	BARRIER FREE	HDWD.	HARDWOOD	RFG.	ROOFING
BFP	BACK FLOW PREVENTER	HDWR.	HARDWARE	RH	RIGHT HAND
BL	BUILDING LINE	HT.(HGT.)	HEIGHT	RHR	RIGHT HAND REVERSE
BM	BENCH MARK	HDP	HIGH DENSITY PARTICALE BOARD	RLG.	RAILING
BTU	BRITISH THERMAL UNIT	HORIZ.	HORIZONTAL	RM	ROOM
B/U	BUILT UP	HR.	HOUR	R.R.	RAIL ROAD
BD	BOARD	HYD.	HYDRAULIC	RT.	RIGHT
BTWN	BETWEEN			ROW (R/W)	RIGHT OF WAY
BLDG	BUILDING	ID	INSIDE DIAMETER	RVS.	REVERSE
BM	BEAM	I.F.	INSIDE FACE	RWC	MAIN WATER COLLECTOR
BR	BULLET RESISTANT	IR	INSIDE RADIUS	RWL	RAIN WATER LEADER
BRG	BEARING	IN.	INCH		
BRZ.	BRONZE	INFO.	INFORMATION	SA	SUPPLY AIR
BSMT	BASEMENT	INSUL	INSULATION	SC	SEALED CONCRETE
		INT.	INTERIOR	SFS	STORE FRONT SYSTEM
C.	CONDUIT	INV.	INVERT	SPS	STAND PIPE
CAB.	CABINET			S.	SOUTH
C.B.	CATCH BASIN	JAN.	JANITOR OR JANITORIAL	SS	STAINLESS STEEL
CB.	CORNER BAR	J.B.	JUNCTION BOX	S. TO S.	STUD TO STUD
C.C.	CENTER TO CENTER	JCT.	JUNCTION	SHM	SECURITY HOLLOW METAL
CEM.	CEMENT	JT.	JOINT	SV	SHEET VINYL
CER.	CERAMIC			SAN	SANITARY
CFM	CUBIC FEET PER MINUTE	K.D.	KILN-DRIED	SCHED	SCHEDULE
CG	CORNER GUARD	KIT.	KITCHEN	SECT	SECTION
C.I.	CAST IRON	KO	KNOCKOUT	SEW	SEWER
C.I.P.	CAST-IN-PLACE	KP.	KICK PLATE	SHT	SHEET
CIR.	CIRCLE OR CIRCULAR			SHWR	SHOWER
CJ	CONTROL JOINT	L.	LEFT	SIM.	SIMILAR
CL	CENTERLINE	LAM.	LAMINATED	S.O.	SECTIONAL OVERHEAD
C.L.	CONSTRUCTION LINE	LAV.	LAVATORY	SPECS	SPECIFICATIONS
CLG.	CEILING	LBS.	POUNDS	SPKR	SPEAKER
CLOS.	CLOSET	LG.	LARGE	SQ.	SQUARE
CLR	CLEAR	LGTH	LENGTH	ST	STEEL
CMU	CONCRETE MASONRY UNIT	LH	LEFT HAND	STD	STANDARD
CO	CLEAN OUT	LFT.(LF.)	LINEAR FEET	STOR.	STORAGE
COMP.	COMPACTED	LHR	LEFT HAND REVERSE	STRUCT	STRUCTURAL
CONC.	CONCRETE	L.L.	LIVE LOAD	SUSP.	SUSPENDED
COND.	CONDENSATE	L.O.A.	LENGTH OVER ALL	SW	SWITCH
CONST.	CONSTRUCTION	LIN.	LINEAR		
CONT.	CONTINUOUS	LTG.	LIGHTING	T	TEMPERED
COORD.	COORDINATE			T&B	TOP AND BOTTOM
CORR.	CORRIDOR	MDP	MAIN DISTRIBUTION PANEL	T&G	TONGUE AND GROOVE
CORG.	CORRUGATED	MATL.	MATERIAL	T/C	TOP CURB
CPT	CARPETING	MAX	MAXIMUM	TCC	TEMP. CONTROL CONTRACTOR
CSJ	CONSTRUCTION JOINT	MC	MECHANICAL CONTRACTOR	TCP	TEMP. CONTROL PANEL
CTB	CERAMIC TILE BASE	MECH	MECHANICAL	TP	TEPID WATER
CTF	CERAMIC TILE FLOOR	MEMB.	MEMBRANE	TWC	TEPID WATER CONTROLLER
CTW	CERAMIC TILE WALL	MEZZ.	MEZZANINE	TBB	TILE BACKER BOARD
CTR	CENTER OR CENTERING	MFR	MANUFACTURER	TEL.	TELEPHONE
CU	CUBIC	MH	MAN HOLE	TEMP.	TEMPERATURE
CW	COLD WATER	MIN	MINIMUM	TERR	TERRAZZO
		MISC.	MISCELLANEOUS	THRU	THROUGH
D.	DEEP	MIX.	MIXTURE	TLT	TOILET
DF	DRINKING FOUNTAIN	MK	MARK	TOL.	TOLERANCE
DL	DEAD LOAD	MO	MASONRY OPENING	TYP	TYPICAL
DS	DOWN SPOUT	MSRY.	MASONRY		
DBL	DOUBLE	MTD	MOUNTED	U	HEAT TRANSFER COEFFICIENT
DEG.	DEGREE	MTL	METAL	UFD	UNDER FLOOR DUCT
DEMO	DEMOLISH (ED)	MTG.	MOUNTING	UL	UNDERWRITER'S LABORATORIES
DEPT.	DEPARTMENT			UNO	UNLESS NOTED OTHERWISE
DIA	DIAMETER	N.	NORTH	UV	UNIT VENTILATOR
DIM.	DIMENSION	NA(N/A)	NOT APPLICABLE	UR	URINAL
DR	DOOR	NIC	NOT IN CONTRACT	UTIL.	UTILITY
DWG	DRAWING	NF	NEAR FACE		
DTL	DETAIL	N.O.P.	NOT OTHERWISE PROVIDED	VYL	VINYL
		NO.	NUMBER	VAP.	VAPOR
E.	EAST	NOM.	NOMINAL	VAR.	VARIES
EA	EXHAUST AIR	NTS	NOT TO SCALE	VCB	VINYL COVE BASE
EC	ELECTRICAL CONTRACTOR			VCP	VITRIFIED CLAY PIPE
EF	EXHAUST FAN	OA.	OVERALL	VCT	VINYL COMPOSITION TILE
EIFS	EXT. INSULATION FINISH SYSTEM	OA	OUTSIDE AIR	VERT.	VERTICAL
EJ	EXPANSION JOINT	OAI	OUTSIDE AIR INTAKE	VEST.	VESTIBULE
EMER.	EMERGENCY	OC	ON CENTER	VENT.	VENTILATE
E.PAN.	ELECTRICAL PANEL	OD	OUTSIDE DIAMETER	VIF	VERIFY IN FIELD
E.W.	EACH WAY	O. TO O.	OUT TO OUT	VOL.	VOLUME
EWC	ELECTRIC WATER COOLER	OF	OUTSIDE FACE	VP	VENT PIPE
EL.	ELEVATION	OR	OUTSIDE RADIUS	VS	VENT STACK
ELEC.	ELECTRICAL OR ELECTRIC	OL.	OVERLOAD	VWC	VINYL WALL COVERING
ELEV.	ELEVATOR	OFC.	OFFICE		
ENG.	ENGINEER OR ENGINEERING	OH	OVERHEAD	W.	WEST
EQ	EQUAL	OPNG.	OPENING	WC	WATER CLOSET
EQUIP.	EQUIPMENT	OPP.	OPPOSITE	WD	WOOD
ETC.	ET CETERA	OR.	OUTSIDE RADIUS	WF	WASH FOUNTAIN
EXIST.	EXISTING	ORIG.	ORIGINAL	W.H.	WALL HUNG
EXP	EXPOSED STRUCTURE	OZ	OUNCE	WH	WATER HEATER
EXP.	EXPANSION			WI	WROUGHT IRON
EXT.	EXTERIOR	P.A.	PIPE ANCHOR	WP	WORKING POINT
		P.C.	PLUMBING CONTRACTOR	WL	WIND LOAD
FACP	FIRE ALARM CONTROL PANEL	P.D.	PRESSURE DROP	WM	WALK OFF MAT
FAI	FRESH AIR INTAKE	PJF.	PRE MOLDED JOINT FILLER	WS	WORK SINK
F.C.	FURNACE	PRV	PRESSURE REDUCING VALVE	WWF	WELDED WIRE FABRIC
FD	FOOR DRAIN	PASS.	PASSENGER	WT.	WEIGHT
FE	FIRE EXTINGUISHER	PAT.	PATTERN		
FEC	FIRE EXTINGUISHER CABINET	PERP.	PERPENDICULAR	XFMR	TRANSFORMER
FHC	FIRE HOSE CABINET	PF	PRE-FINISHED	XFR	TRANSFER
FM	FLOOR MOUNTED	PLAM	PLASTIC LAMINATE		
FR	FIN RADIATION	PLAS.	PLASTIC	YD	YARD
F.S.	FOOD SERVICE	PLBG.	PLUMBING	YCO	YARD CLEAN OUT
FV	FIELD VERIFY	PLY	PLYWOOD		
		PNEU.	PNEUMATIC	°	DEGREE
		PNL	PANEL	±	PLUS OR MINUS
		PREFAB	PREFABRICATED	Ø	DIAMTER
		PROJ.	PROJECT		CENTERLINE
		PT	PAINT	P	PLATE
		P.CONC.	PRECAST CONCRETE SLAB	&	AND
		PTN.	PARTITION	x	BY
		PV.	PAVERS	@	AT
		PVC	POLYVINYL CHLORIDE	#	NUMBER
				W/	WITH
		QCV	QUICK COUPLER VALVE		
		QT	QUARRY TILE		
		QUAL.	QUALITY		

SYMBOLS

DRAWING TITLE



ROOM NAME AND NUMBER

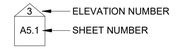
DOOR MARK TARGET

KEYNOTE TARGET

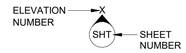
WALL TYPE TARGET

WINDOW TARGET

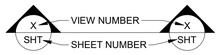
EXTERIOR ELEVATION TARGET



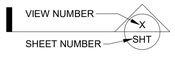
INTERIOR ELEVATION TARGET



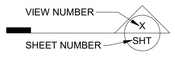
BUILDING SECTION TARGET



WALL SECTION TARGET



SECTION DETAIL TARGET

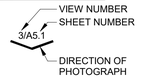


VERTICAL ELEVATION BUBBLE

DETAIL TARGET

NORTH ARROW

PHOTOGRAPH TARGET



LOCATION MAP

GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE TO CONFORM WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS INCLUDING APPLICABLE ORDINANCES AND REFERENCED STANDARDS.

B. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID OR BEGINNING ANY WORK. CONDITIONS FOUND TO BE IN VARIANCE FROM THE INFORMATION IN THE DRAWINGS OR PROJECT MANUAL SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING FOR CLARIFICATION.

C. KEYNOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT. THE ABSENCE OF A KEYNOTE DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY INDICATED ON THE DRAWINGS.

D. SPECIFIC WORK ITEMS SHALL BE COORDINATED AND INTERFACED WITH ALL OTHER TRADES TO ALLOW FOR NEW CONSTRUCTION AND COMPLETE INSTALLATION AS REQUIRED TO ACCOMPLISH DESIGN INTENT.

E. REFER TO DRAWINGS OF EACH TRADE OR DISCIPLINE FOR ADDITIONAL GENERAL NOTES AND INFORMATION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL.

F. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT.

G. FIELD VERIFY ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES, STRUCTURES, WATER LINES, STORM AND SANITARY LINES, GAS LINES, ELECTRICAL CONDUIT, AND OTHER UNDERGROUND UTILITIES PRIOR TO PERFORMING EARTHWORK, EXCAVATION, OR UTILITY WORK. ENGAGE THE SERVICES OF A PRIVATE UTILITY LOCATE COMPANY IF NECESSARY TO COMPLETELY LOCATE EXISTING UNDERGROUND UTILITIES AND STRUCTURES.

H. LOCATION OF ALL TEMPORARY FACILITIES SHALL BE COORDINATED WITH OWNER AND ARCHITECT PRIOR TO MOBILIZATION ON-SITE, INCLUDING BUT NOT LIMITED TO TEMPORARY STAGING AREA, MATERIAL STORAGE AREA, ACCESS DRIVE(S), PARKING AREA, TOPSOIL STOCKPILE AREA, WASTE DISPOSAL AREA, FIELD OFFICES AND TEMPORARY FACILITIES, JOB SIGN, AND TEMPORARY FENCING.

I. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FOR INSTALLATION OF ALL BUILDING COMPONENTS, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES, EQUIPMENT, HARDWARE, BRACKETS, AND OWNER-PROVIDED EQUIPMENT. CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS ASSOCIATED WITH EACH TRADE AND WITH OWNER'S REPRESENTATIVE.

J. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS WOOD AND METAL TRIM, FLASHING, CLIP ANGLES, ANCHORS, SUPPORTS, AND CLOSURE TRIM REQUIRED TO PROVIDE A COMPLETE, UNIFORM, AND WEATHERTIGHT ASSEMBLY AS REQUIRED TO ACCOMPLISH THE DESIGN INTENT.

K. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORY COMPONENTS AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

L. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL ASSEMBLY.

M. WHERE DISCREPANCIES EXIST IN THE CONTRACT DOCUMENTS INCLUDING DISCREPANCIES BETWEEN DRAWINGS AND PROJECT MANUAL, CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING FROM ARCHITECT. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION IN WRITING SHALL BE SOLELY AT THE CONTRACTOR'S RISK.

N. CONTRACTOR SHALL SEAL ALL PENETRATIONS IN EXTERIOR WALL AND ROOF ASSEMBLIES WITH APPROPRIATE JOINT SEALANT(S) AND FLASHING(S) TO MAINTAIN A WEATHERTIGHT AND AIRTIGHT BUILDING ENVELOPE. ALL JOINTS AND PENETRATIONS SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE, INCLUDING THE FOLLOWING:
1. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
2. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL PANELS.
3. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AND FLOORS.
4. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR RETARDERS.
5. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.

O. COORDINATE WITH OTHER CONSTRUCTION ACTIVITIES AND CONSTRUCTION SEQUENCING WITH OTHER PROJECT(S) AND WORK BEING PERFORMED CONCURRENTLY ON-SITE.

P. CONTRACTOR TO PROTECT ALL ITEMS WITHIN THE CONSTRUCTION LIMITS (INCLUDING SITE ELEMENTS) THAT ARE DESIGNATED TO REMAIN; ITEMS DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.

Q. ALL PENETRATIONS AND JOINTS IN FIRE-RATED WALL ASSEMBLIES AND FLOOR/CEILING ASSEMBLIES SHALL BE SEALED WITH THE FIRESTOPPING SYSTEM OR FIRE-RESISTIVE JOINT SYSTEM WHICH IS THE MOST APPROPRIATE FOR THE SPECIFIC APPLICATION BASED ON THE TYPE OF ASSEMBLY AND TYPE OF PENETRATING ELEMENT. SYSTEMS SHALL BE U.L.-LISTED FOR EACH APPLICATION.

R. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF CONCRETE, UNLESS NOTED OTHERWISE. CEILING HEIGHT DIMENSIONS ARE FROM FINISHED FLOOR TO FACE OF FINISHED CEILING MATERIALS, UNLESS NOTED OTHERWISE.

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DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

GARY J. FLAGLE
REGISTERED
No. AR11900204
STATE OF INDIANA
REGISTERED ARCHITECT

NO.	REVISION	DATE

DRAWN: TJM
DESIGNED: TJM
APPRVD: ZJF
DATE: JANUARY 30, 2026
CHK'D: ZJF
PROJECT NUMBER 2461-2017-06

ELKHART INDIANA
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

GENERAL NOTES AND INFORMATION

DRAWING NUMBER G1.1 GENERAL

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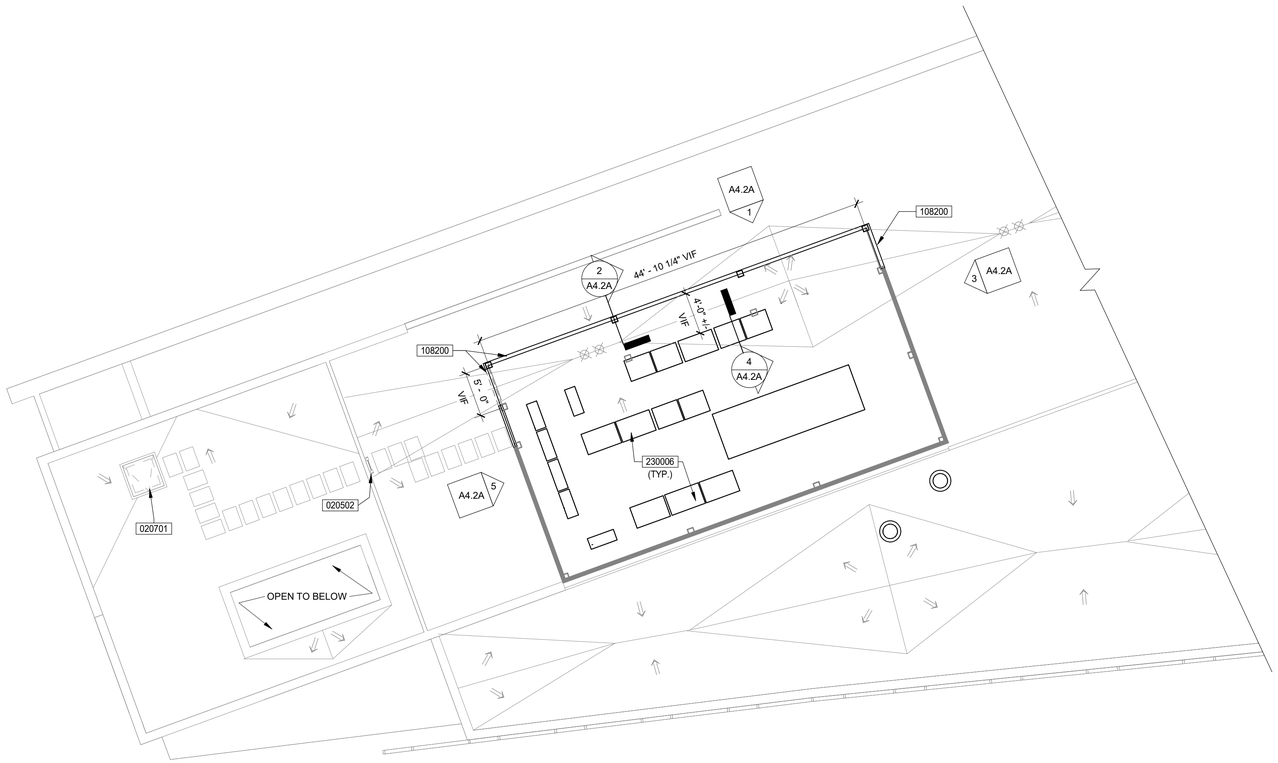
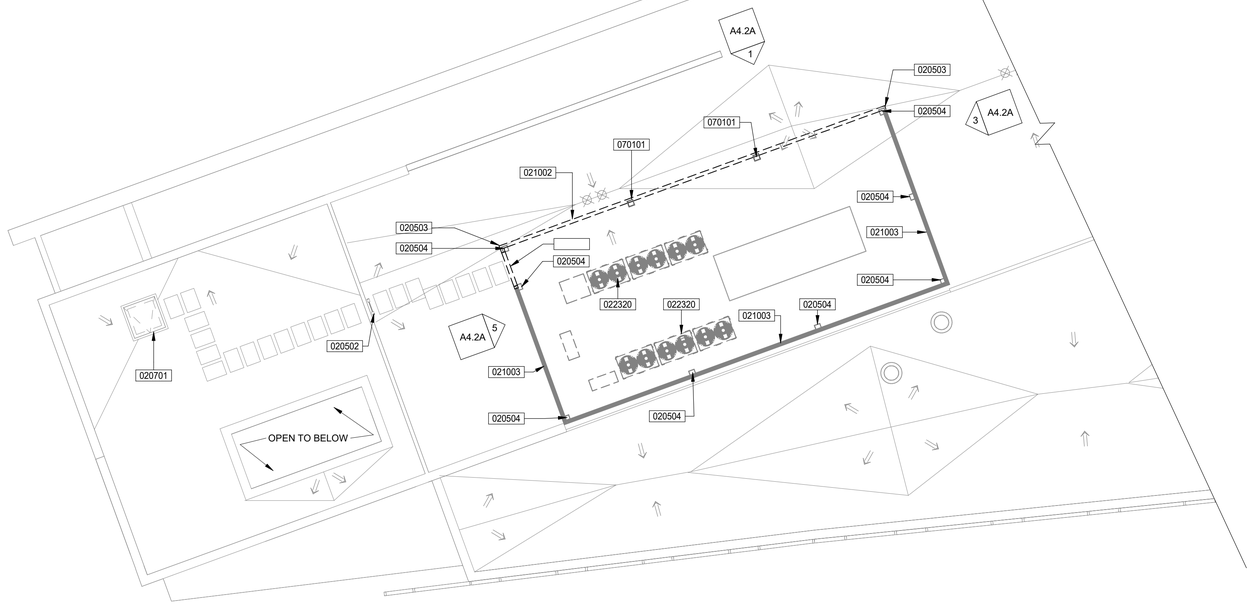


2 **PARTIAL INSTALLATION ROOF PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH



1 **PARTIAL REMOVAL ROOF PLAN - AREA A**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. REFER TO STRUCTURAL AND MECHANICAL, DRAWINGS FOR ROOF PENETRATING ITEMS. COORDINATE EXACT LOCATION IN THE FIELD.

KEYNOTES

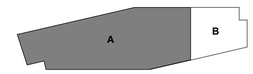
020502	EXISTING VERTICAL WALL-MOUNTED ACCESS LADDER TO REMAIN
020503	EXISTING CORNER TRIM TO BE REMOVED AND REINSTALLED AT NEW LOCATION
020504	EXISTING ROOFTOP PARTITION POST TO REMAIN
020701	EXISTING ROOF ACCESS HATCH TO REMAIN
021002	REMOVE EXISTING ROOFTOP EQUIPMENT PARTITION PANEL
021003	EXISTING ROOFTOP EQUIPMENT PARTITION PANEL TO REMAIN
022320	EQUIPMENT TO BE REMOVED, EXISTING ROOF CURBS TO REMAINUK
070101	PATCH ROOF AT EXISTING TO BE REMOVED ROOFTOP EQUIPMENT SCREEN POSTS, MATCH COMPLETE EXISTING ASSEMBLY DOWN TO ROOF DECK
108200	NEW ROOFTOP EQUIPMENT PARTITION PANEL TO MATCH ADJACENT EXISTING ROOFTOP EQUIPMENT PARTITION PANEL
230006	COORDINATE LOCATIONS OF NEW CONDENSING UNITS WITH EXISTING ROOF DRAINS TO ENSURE PROPER ROOF DRAINAGE

ROOF PLAN LEGEND

- EXISTING ROOF DRAIN
- EXISTING OVERFLOW ROOF DRAIN
- EXISTING TAPERED INSULATION ARROW (FLAT ROOF)

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

ANTHONY J. FLAGLE REGISTERED No. AR11900204 STATE OF INDIANA ARCHITECT

NO.	REVISION	DATE

DRAWN: TJM | CHK'D: ZJF
DESIGNED: TJM
APPRV'D: ZJF
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

PARTIAL REMOVAL AND INSTALLATION ROOF PLAN - AREA A

DRAWING NUMBER A4.1A

ARCHITECTURE

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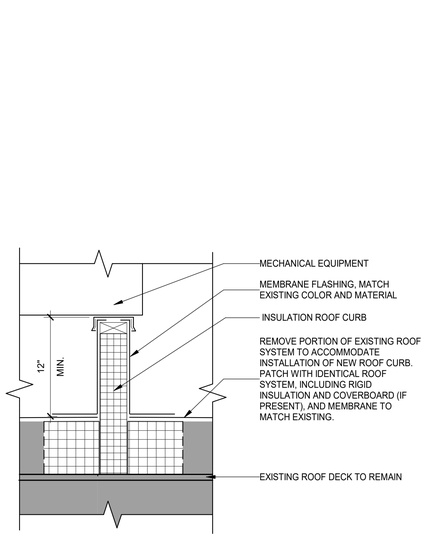
GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

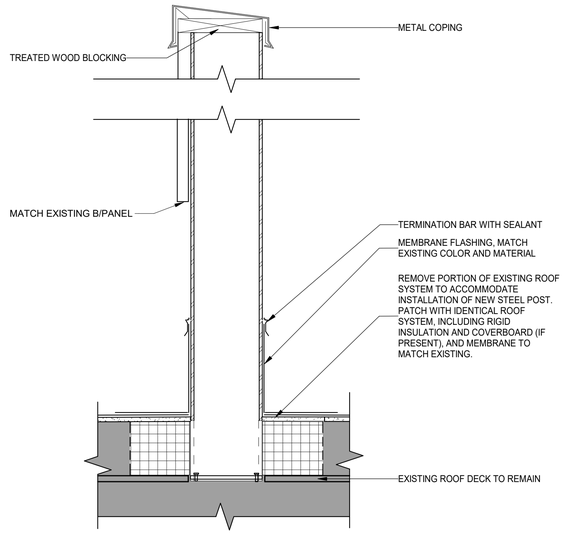
B. REFER TO STRUCTURAL AND MECHANICAL, DRAWINGS FOR ROOF PENETRATING ITEMS. COORDINATE EXACT LOCATION IN THE FIELD.

KEYNOTES

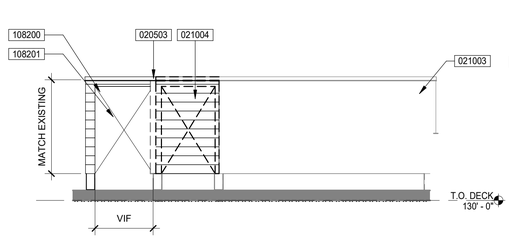
020503	EXISTING CORNER TRIM TO BE REMOVED AND REINSTALLED AT NEW LOCATION
020702	EXISTING ROOF DECK TO REMAIN
020703	REMOVE PORTION OF EXISTING ROOF SYSTEM TO ACCOMMODATE INSTALLATION OF NEW STEEL POST. PATCH WITH IDENTICAL ROOF SYSTEM, INCLUDING RIGID INSULATION AND COVERBOARD (IF PRESENT), AND MEMBRANE TO MATCH EXISTING.
020704	REMOVE PORTION OF EXISTING ROOF SYSTEM TO ACCOMMODATE INSTALLATION OF NEW ROOF CURB. PATCH WITH IDENTICAL ROOF SYSTEM, INCLUDING RIGID INSULATION AND COVERBOARD (IF PRESENT), AND MEMBRANE TO MATCH EXISTING.
021003	EXISTING ROOFTOP EQUIPMENT PARTITION PANEL TO REMAIN
021004	EXISTING ROOFTOP EQUIPMENT PARTITION OPENING TO BE FILLED IN
061001	TREATED WOOD BLOCKING
072120	INSULATION ROOF CURB
075423	TERMINATION BAR WITH SEALANT
075424	MEMBRANE FLASHING, MATCH EXISTING COLOR AND MATERIAL
077102	METAL COPING
077103	NEW METAL COPING TO MATCH EXISTING
108200	NEW ROOFTOP EQUIPMENT PARTITION PANEL TO MATCH ADJACENT EXISTING ROOFTOP EQUIPMENT PARTITION PANEL
108201	NEW ROOFTOP EQUIPMENT PARTITION OPENING
230000	MECHANICAL EQUIPMENT



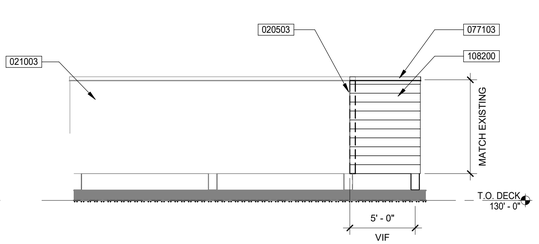
4 ROOF EQUIPMENT CURB DETAIL
SCALE: 1 1/2" = 1'-0"



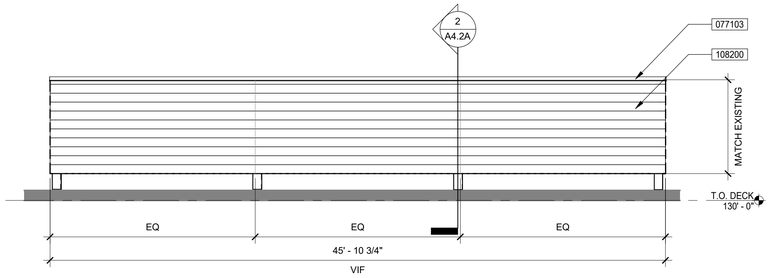
2 ROOF EQUIPMENT SCREEN PARTITION - ROOF PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



5 WEST ELEVATION - PROPOSED ROOF EQUIPMENT SCREEN
SCALE: 3/16" = 1'-0"



3 EAST ELEVATION - PROPOSED ROOF EQUIPMENT SCREEN
SCALE: 3/16" = 1'-0"



1 NORTH ELEVATION - PROPOSED ROOF EQUIPMENT SCREEN
SCALE: 3/16" = 1'-0"

SCALE: 3/16" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1 1/2" = 1'-0"
0 6" 1' - 0" 2' - 0"

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TACHARY J. FLAGLE REGISTERED No. AR11900204 STATE OF INDIANA ARCHITECT

NO.	REVISION	DATE

DRAWN: TJM CHK'D: ZJF
DESIGNED: TJM
APPRV'D: ZJF
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF EQUIPMENT SCREEN ELEVATIONS AND DETAILS

DRAWING NUMBER A4.2A ARCHITECTURE

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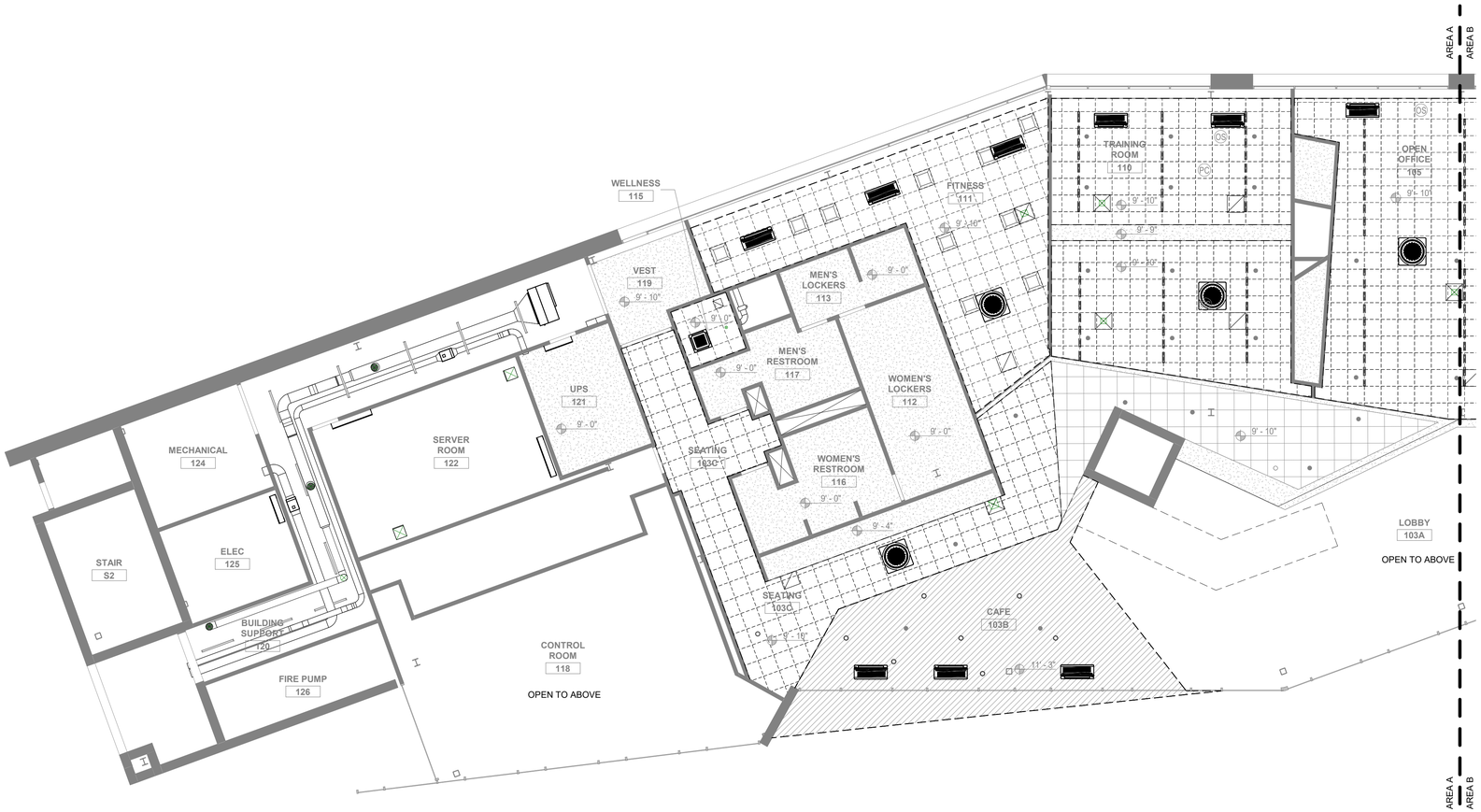


FIRST FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. NEW EXPOSED DUCTWORK SHALL BE PAINTED.

C. CONTRACTOR TO REMOVE AND REINSTALL/TEMPORARILY SUPPORT ALL CEILING-MOUNTED ITEMS IN AFFECTED CEILINGS, INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES RECESSED SPRINKLER HEADS, SMOKE DETECTORS, OCCUPANCY SENSORS, DIFFUSERS, ETC.

D. AT LOCATIONS WHERE WORK IS OCCURRING ABOVE ACOUSTICAL PANEL CEILING SYSTEMS REMOVE AND SAVE FOR REINSTALLATION ALL ACOUSTICAL CEILING PANELS. AT CONTRACTOR'S DISCRETION:

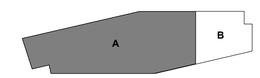
1. REMOVE CEILING GRID AND EDGE TRIM IN IT'S ENTIRETY AND INSTALL NEW IDENTICAL GRID IN EXACT SAME LOCATION.
2. REMOVE PORTIONS OF GRID TO ACCOMMODATE WORK. REINSTALL OR INSTALL IDENTICAL PRODUCT TO RETURN GRID AND CEILING TO EXISTING CONDITION.

REFLECTED CEILING PLAN LEGEND

- EXISTING 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEMS TO BE MODIFIED TO ACCOMMODATE ABOVE CEILING WORK. REFER TO GENERAL NOTE D. ON THIS SHEET.
- EXISTING 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM TO REMAIN.
- EXISTING 24"x60" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEMS TO BE MODIFIED TO ACCOMMODATE ABOVE CEILING WORK. REFER TO GENERAL NOTE D. ON THIS SHEET.
- REMOVAL SOFTWOOD PANELING. CONTRACTOR TO DECONSTRUCT + RECONSTRUCT WOOD CEILING TO ACCOMMODATE ABOVE-CEILING WORK. CEILING SHALL BE RETURNED TO EXISTING CONDITION UPON COMPLETION OF THE WORK.
- EXISTING GYPSUM BOARD CEILING TO REMAIN.
- EXP. EXPOSED
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- RECESSED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- RECESSED SPRINKLER HEAD
- OC OCCUPANCY SENSOR
- PC PHOTOCELL SENSOR

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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ZACHARY J. FLAGLE REGISTERED No. AR11900204 STATE OF INDIANA ARCHITECT

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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA A

DRAWING NUMBER
A10.1A
ARCHITECTURE

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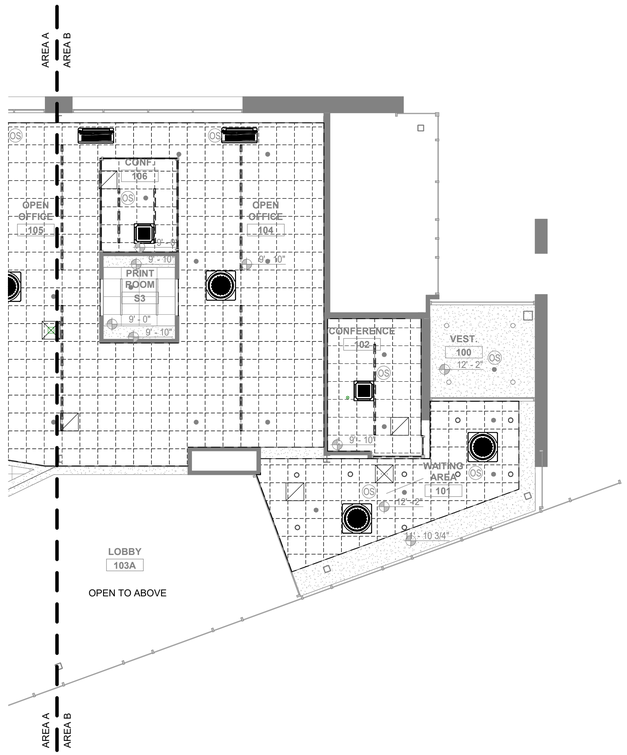

FIRST FLOOR REMOVAL AND INSTALLATION
REFLECTED CEILING PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. NEW EXPOSED DUCTWORK SHALL BE PAINTED.

C. CONTRACTOR TO REMOVE AND REINSTALL/TEMPORARILY SUPPORT ALL CEILING-MOUNTED ITEMS IN AFFECTED CEILINGS, INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES RECESSED SPRINKLER HEADS, SMOKE DETECTORS, OCCUPANCY SENSORS, DIFFUSERS, ETC.

D. AT LOCATIONS WHERE WORK IS OCCURRING ABOVE ACOUSTICAL PANEL CEILING SYSTEMS REMOVE AND SAVE FOR REINSTALLATION ALL ACOUSTICAL CEILING PANELS. AT CONTRACTOR'S DISCRETION:

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REFLECTED CEILING PLAN LEGEND

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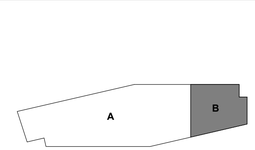
- EXISTING GYPSUM BOARD CEILING TO REMAIN.
- EXP. EXPOSED
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- EXHAUST GRILLE, SEE MECHANICAL
- RECESSED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- RECESSED SPRINKLER HEAD
- OC OCCUPANCY SENSOR
- PC PHOTOCELL SENSOR

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA B

DRAWING NUMBER A10.1B ARCHITECTURE

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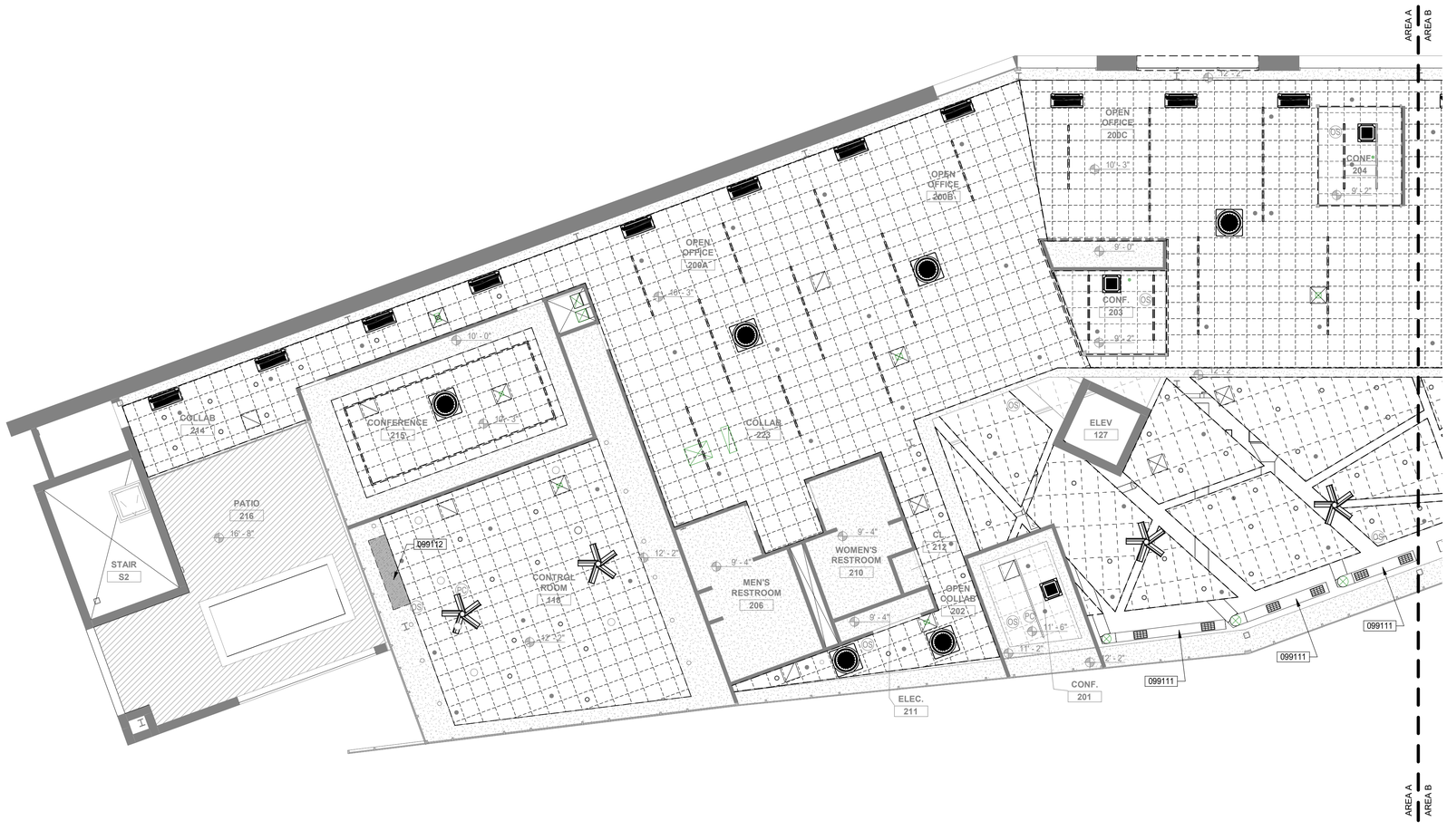

SECOND FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA A

SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. NEW EXPOSED DUCTWORK SHALL BE PAINTED.

C. CONTRACTOR TO REMOVE AND REINSTALL/TEMPORARILY SUPPORT ALL CEILING-MOUNTED ITEMS IN AFFECTED CEILINGS, INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES RECESSED SPRINKLER HEADS, SMOKE DETECTORS, OCCUPANCY SENSORS, DIFFUSERS, ETC.

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2. REMOVE PORTIONS OF GRID TO ACCOMMODATE WORK. REINSTALL OR INSTALL IDENTICAL PRODUCT TO RETURN GRID AND CEILING TO EXISTING CONDITION.

KEYNOTES

099111 NEW DUCTWORK TO BE PAINTED. MATCH COLOR OF EXISTING DUCTWORK

099112 PATCH GYPSUM BOARD SOFFIT CEILING. PAINT ENTIRE SURFACE OF SOFFIT, COLOR TO MATCH EXISTING

REFLECTED CEILING PLAN LEGEND

- EXISTING 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEMS TO BE MODIFIED TO ACCOMMODATE ABOVE CEILING WORK. REFER TO GENERAL NOTE D. ON THIS SHEET.
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SCALE: 1/8" = 1'-0"
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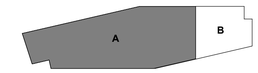
KEYPLAN



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DLZ Indiana, LLC

ZACHARY J. FLAGLE REGISTERED No. AR11900204 STATE OF INDIANA ARCHITECT

NO.	REVISION	DATE

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INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA A

DRAWING NUMBER A10.2A

ARCHITECTURE

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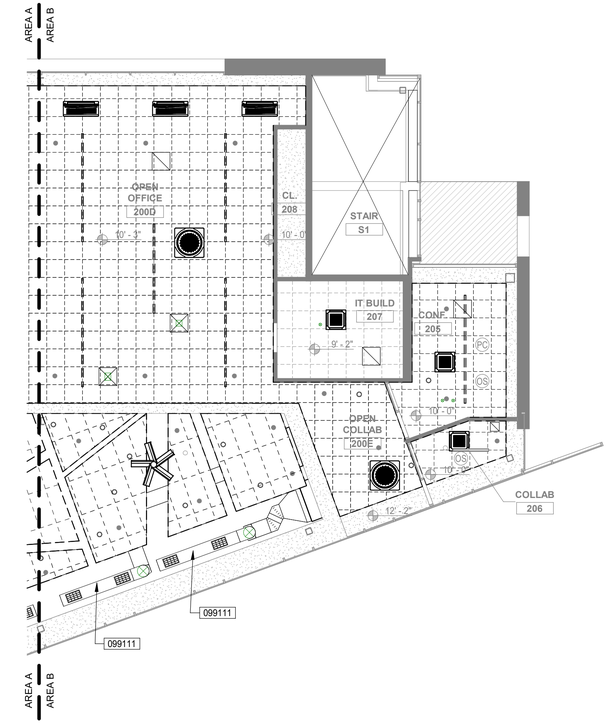

SECOND FLOOR REMOVAL AND INSTALLATION
REFLECTED CEILING PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. NEW EXPOSED DUCTWORK SHALL BE PAINTED.

C. CONTRACTOR TO REMOVE AND REINSTALL/TEMPORARILY SUPPORT ALL CEILING-MOUNTED ITEMS IN AFFECTED CEILINGS, INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES RECESSED SPRINKLER HEADS, SMOKE DETECTORS, OCCUPANCY SENSORS, DIFFUSERS, ETC.

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KEYNOTES

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REFLECTED CEILING PLAN LEGEND

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- EXISTING GYPSUM BOARD CEILING TO REMAIN.
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- RECESSED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
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SCALE: 1/8" = 1'-0"
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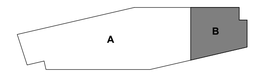

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TIMOTHY J. FLAGLE REGISTERED No. AR11900204 STATE OF INDIANA ARCHITECT

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DESIGNED: TJM
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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR REMOVAL AND INSTALLATION REFLECTED CEILING PLAN - AREA B

DRAWING NUMBER A10.2B ARCHITECTURE

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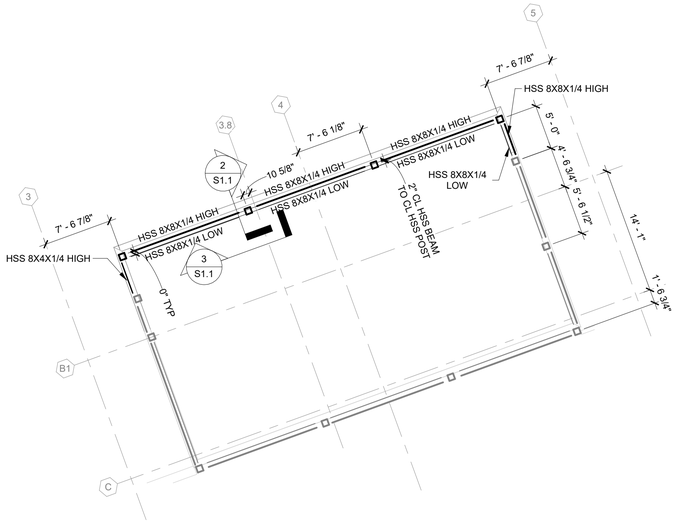
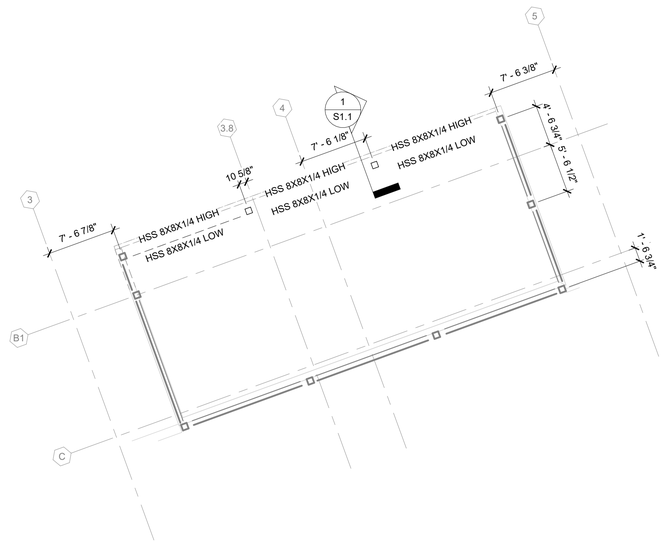
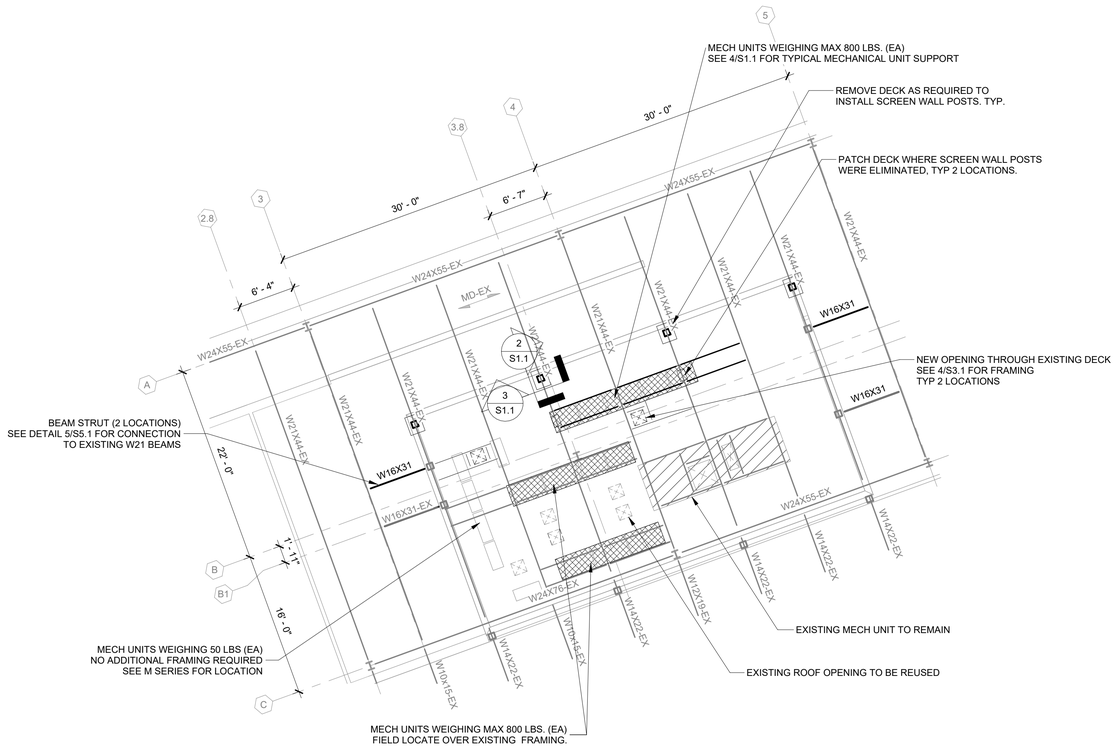


3 SCREEN WALL FRAMING PLAN - INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH



2 SCREEN WALL FRAMING PLAN - REMOVAL
SCALE: 1/8" = 1'-0"
NORTH



1 ROOF FRAMING PLAN - INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH

PLAN NOTES

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
B. STRUCTURAL DRAWINGS ARE TO BE COORDINATE AND USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
C. CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ELEVATIONS AND MEMBER SIZES AS SHOWN ON THE CONTRACT DOCUMENTS FOR THE EXISTING CONSTRUCTION, PRIOR TO THE DETAILING OR FABRICATION OF ANY NEW STRUCTURAL ELEMENTS. CONTRACTOR SHALL DOCUMENT ANY CONSTRUCTION-RELATED DISCREPANCIES.
D. SUPPORT ALL ROOF MOUNTED EQUIPMENT OR EQUIPMENT SUSPENDED FROM DESIGNATED MEMBERS. IF NO SUPPORT HAS BEEN DESIGNATED, OR IF A QUESTION ARISES, NOTIFY STRUCTURAL ENGINEER PRIOR TO ERECTION OF EQUIPMENT.
E. ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED. FOR DETAILS AND DIMENSIONS NOT INDICATED ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS.
F. STRUCTURAL STEEL:
   a. W-SECTIONS - ASTM A992
   b. PLATES, BARS, RODS, ANGLES AND CHANNELS - A36
   c. HSS - ASTM A500 GRADE C
   d. HIGH STRENGTH BOLTS - GROUP A AS DEFINED BY AISC 360 SECTION J3.1; SNUG TIGHT
   e. FILLER METAL FOR WELDING: SHIELDED METAL ARC WELDING - AWS A5.1 OR A5.5 OR E70XX.
G. DESIGN STANDARDS:
   a. ANSI/AISC 360-10 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" - ASD
H. ALL EXPOSED STEEL ELEMENTS SHALL BE HOT DIP GALVANIZED. REPAIR ANY DAMAGE TO THESE COATINGS THAT MAY OCCUR DURING CONSTRUCTION ACTIVITIES.
I. ALL HSS MEMBERS SHALL BE DETAILED TO KEEP WATER FROM ENTERING THE CLOSED SECTION.
J. PENETRATIONS LESS THAN 12" ARE NOT INDICATED ON STRUCTURAL DRAWINGS. SEE OTHER TRADES DRAWINGS FOR SIZE AND EXACT LOCATION OF ALL PENETRATIONS.
K. CONTRACTOR TO ASSUME ALL SCREEN WALL ELEMENTS ARE NEW FOR BIDDING. SALVAGE AND REUSE OF EXISTING SCREEN WALL ELEMENTS CAN BE EVALUATED BY CONTRACTOR AND APPROVED BY SER DURING CONSTRUCTION.
L. T/STEEL EL=B/DECK EL= 29'- 10 1/2"

LEGEND:

MD-EX	SPAN OF EXISTING 1 1/2" 18 GA. METAL ROOF DECK.
	INDICATES OPENING
	NEW INSTALLATION
W16X31	NEW BEAM
W16X31-EX	EXISTING BEAM

KEYPLAN

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

VAN LUCHENE REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA 10300104 1/30/2026

NO.	REVISION	DATE

DRAWN: VMR
DESIGNED: VMR
APPRVD: CVAN
DATE: JANUARY 30, 2026
CHKD: CVAN

PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF FRAMING PLAN

DRAWING NUMBER S1.0 STRUCTURAL

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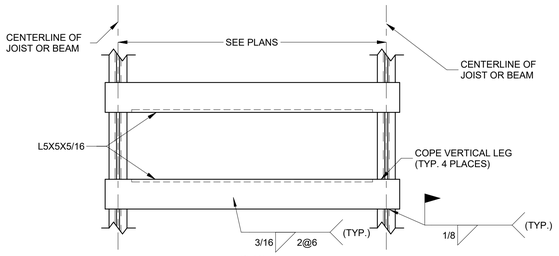
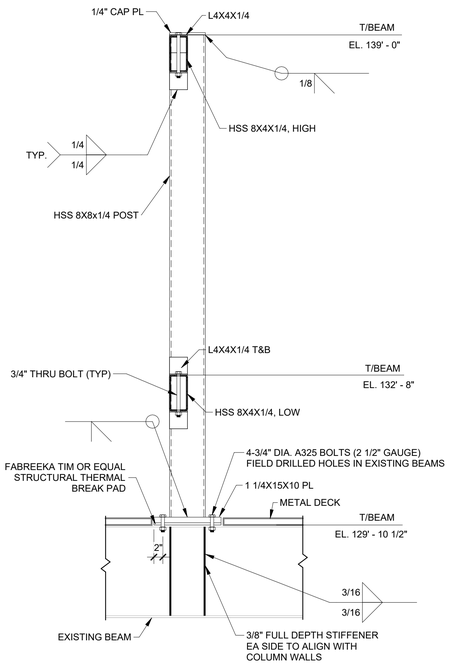


NOTE:

1. COORDINATE LOCATIONS OF ANGLES BELOW MECH EQUIPMENT. COORDINATE WITH MECHANICAL DRAWINGS.
2. QUICKFRAMES ARE CONSIDERED EQUIVALENT TO ANGLE IRON ROOF FRAMES AND MAY BE PROVIDED AT THE CONTRACTORS OPTION. THE CONTRACTOR SHALL PROVIDE SEALED SHOP DRAWINGS AND/OR CALCULATIONS FOR 16, 12, OR 10 GAUGE QUICKFRAMES AT THE NEW ROOF OPENING IF DESIGN CRITERIA AT THIS BUILDING VARY FROM THE MANUFACTURER'S PUBLISHED STANDARD BUILDING DESIGN CRITERIA (PER GAUGE) OR WHEN LOADS EXCEED THE MANUFACTURER'S PUBLISHED PRECALCULATED LOADS.

4 TYPICAL MECHANICAL UNIT/ROOF OPENING SUPPORT

SCALE: NTS

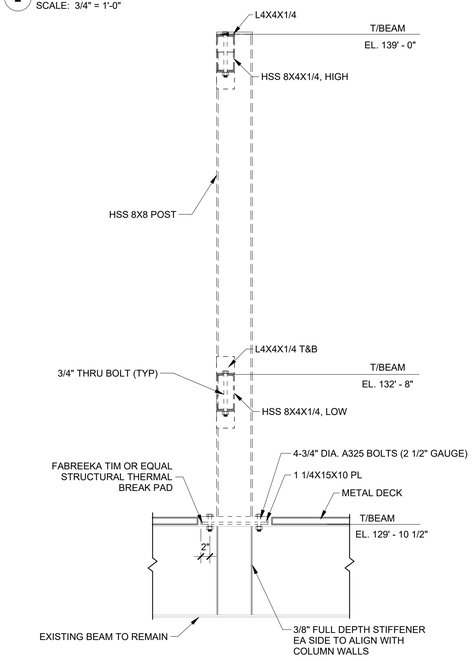


NOTE:

1. BOX OUT EXISTING METAL DECK AS REQUIRED FOR INSTALLATION.

2 TYPICAL SCREEN WALL INSTALLATION DETAIL - 1

SCALE: 3/4" = 1'-0"

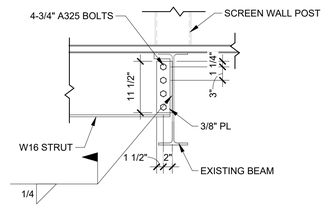


NOTES:

1. ALL SCREEN WALL ELEMENTS ABOVE ELEVATION 129'- 10 1/2" ARE TO BE REMOVED.
2. PROVIDE 16 GA. PLATE SCREWED TO EXISTING METAL DECK WITH #10 SCREWS @ 6" MAX TO FILL IN EXISTING HOLE IN DECK.

1 TYPICAL SCREEN WALL REMOVAL DETAIL

SCALE: 3/4" = 1'-0"

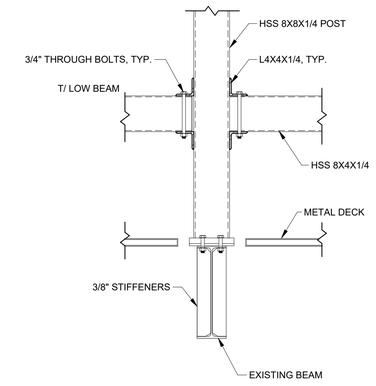


NOTE:

1. COORDINATE BEAM CONNECTION BETWEEN EXISTING BEAM STIFFNERS.

5 BEAM STRUT CONNECTION

SCALE: 3/4" = 1'-0"



NOTE:

1. BOX OUT EXISTING METAL DECK AS REQUIRED FOR INSTALLATION.
2. SEE 2/S1.1 FOR PLATE SIZE, THICKNESS AND BOLTS.

3 TYPICAL SCREEN WALL INSTALLATION DETAIL - 2

SCALE: 3/4" = 1'-0"

SCALE: 3/4" = 1'-0"
0 1' - 0" 2' - 0" 4' - 0"

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DLZ Indiana, LLC

VAN LUCHENE REGISTERED No. 10300104 STATE OF INDIANA PROFESSIONAL ENGINEER
1/30/2026

NO.	REVISION	DATE

DRAWN: VMR
DESIGNED: VMR
CHK'D: CVAN
APPRV'D: CVAN
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART INDIANA
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FRAMING DETAILS

DRAWING NUMBER S1.1

STRUCTURAL

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SYMBOLS

AxB — RECTANGULAR DUCT DIMENSION
A/B — FLAT-OVAL DUCT DIMENSION
AØ — ROUND DUCT DIMENSION

RECTANGULAR SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN
RECTANGULAR RETURN AIR DUCT - UP OR DOWN
RECTANGULAR EXHAUST AIR DUCT - UP OR DOWN
ROUND SUPPLY OR OUTSIDE AIR DUCT - UP OR DOWN.
ROUND RETURN AIR DUCT - UP OR DOWN.
ROUND EXHAUST AIR DUCT - UP OR DOWN.
SUPPLY AIR DIFFUSER (SQUARE)
RETURN AIR GRILLE (SQUARE)
RETURN AIR GRILLE OR EXHAUST REGISTER (RECTANGULAR)
EXHAUST GRILLE (SQUARE)

S / D — DUCT SMOKE DETECTOR
BD — BACKDRAFT DAMPER
CONTROL DAMPER
VOLUME DAMPER
ROUND DIFFUSER
SLOT DIFFUSER
BALL VALVE
BUTTERFLY VALVE
GATE VALVE

T — THERMOSTAT
TS — TEMPERATURE SENSOR
X / X — EQUIPMENT TYPE (SEE ABBREVIATIONS) / SCHEDULE #
XXXXXX — KEYNOTE
TMV — THERMOSTATIC MIXING VALVE OUTLET TEMPERATURE SENSOR
BPS — BUILDING PRESSURE SENSOR
CO — CARBON MONOXIDE SENSOR
NO2 — NITROGEN DIOXIDE SENSOR
CO2 — CARBON DIOXIDE SENSOR
RL — REFRIGERANT LIQUID PIPE
RG — REFRIGERANT GAS PIPE
RL/RG — REFRIGERANT LIQUID & GAS LINES
COND — CONDENSATE LINE

ABBREVIATIONS

AMPS	AMPERES
ADJ.	ADJUSTABLE
APD	AIR PRESSURE DROP
A.F.F	ABOVE FINISHED FLOR
CFM	CUBIC FEET PER MINUTE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB TEMPERATURE
LBS	POUNDS
LWB	LEAVING WET BULB TEMPERATURE
OA	OUTSIDE AIR
PH	PHASE
PSI	POUNDS PER SQAURE INCH
RA	RETURN AIR
RH	ROOF HOOD
RM	ROOM
SA	SUPPLY AIR
SE	SMOKE EXHAUST
SENS	SENSIBLE
TSP	TOTAL STATIC PRESSURE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRICE
W.C.	WATER COLUMN
WPD	WATER PRESSURE DROP

PIPE ABBREVIATIONS

CONDENSATE	C
REFRIGERANT GAS	RG
REFRIGERANT LIQUID	RL
REFRIGERANT LIQUID & GAS	RL/RG

HVAC BASIS OF DESIGN

SUMMER	
OUTDOOR	90°FDB, 73°F WB
INDOOR	75°FDB, 63°F WB
WINTER	
OUTDOOR	-2°F DB
INDOOR	70°F DB

GENERAL INSTALLATION NOTES

1. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH INDIANA MECHANICAL CODE, LATEST APPLICABLE EDITION, THE AUTHORITY HAVING JURISDICTION AND AS SPECIFIED (WHICHEVER IS MORE STRINGENT).
2. BASIS OF DESIGN FOR ALL NEW VRF EQUIPMENT SHALL BE TRANE/MITSUBISHI. DEVIATION FROM THIS BASIS OF DESIGN IS PROHIBITED. FOR ALL OTHER EQUIPMENT, IF NON-DESIGN BASE EQUIPMENT IS SELECTED, THIS CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS FOR MODIFICATION TO THE PROPOSED BUILDING SYSTEM CAUSED BY SELECTION OF THE NON-DESIGN BASE EQUIPMENT INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.
3. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS. IF DIMENSIONS CANNOT BE ACCURATELY DETERMINED, REQUEST THE INFORMATION FROM THE ARCHITECT/ENGINEER.
4. KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT.
5. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT EXCEPT AS SPECIFICALLY NOTED.
6. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL ITEMS MAY BE REQUIRED, WHETHER INDICATED ON THE PLANS OR NOT. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL/CEILING ASSEMBLY.
7. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AS NECESSARY AND COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
8. DUCTWORK:
   A. ALL LISTED DUCTWORK DIMENSIONS ARE CLEAR AIR FLOW DIMENSIONS.
   B. ALL DUCTS IN FINISHED ROOMS AND SPACES SHALL BE CONCEALED IN CHASES OR ABOVE THE CEILINGS, UNLESS OTHERWISE NOTED.
   C. FIELD VERIFY LOCATION OF BEAMS, GENERAL STRUCTURE, LIGHTING, PIPING, ETC., BEFORE FABRICATION AND INSTALLATION OF DUCTWORK COORDINATE ELEVATIONS, OFFSETS, AND TRANSITIONS AS REQUIRED.
   D. MAXIMUM LENGTH OF FLEX DUCT SHALL BE 5'-0". FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK IS EXPOSED. THE LAST ELBOW BEFORE CONNECTION TO AN AIR DEVICE SHALL BE A HARD DUCT.
   E. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS.
   F. THE ELBOWS FOR DUCTWORK SHALL HAVE TURNING VANES UNLESS NOTED OTHERWISE.
   G. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR AIR DEVICE LOCATIONS.
   H. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS, FLOORS AND SMOKE BARRIERS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS, SMOKE DAMPERS IN ALL DUCTS PENETRATING SAID WALLS/FLOOR, WHETHER INDICATED ON THE MECHANICAL PLANS OR NOT.
9. ALL STRUCTURAL OPENINGS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWING. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
10. ALL HANGER SYSTEMS FOR PIPING AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
11. COORDINATE ALL WORK WITH EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.
12. CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
13. ALL HVAC CONTROL WIRING SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR UNLESS OTHERWISE NOTED. EXPOSED CONTROL WIRING SHALL BE IN CONDUIT. TEMPERATURE CONTROL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND LOCATING ANY 24V TRANSFORMERS REQUIRED FOR CONTROL COMPONENTS. COORDINATE WITH DIV 26 CONTRACTOR FOR POWER WIRING. DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR POWER WIRING GREATER THAN 24V WHILE DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR POWER WIRING 24V AND LESS.
14. ALL NEW HVAC AND ELECTRICAL EQUIPMENT AND ALL EXISTING HVAC, PLUMBING, AND ELECTRICAL EQUIPMENT CURRENTLY MONITORED SHALL BE CONNECTED TO A NEW TRANE BUILDING MANAGEMENT SYSTEM. ALL CONTROL WIRING TO BE NEW UNLESS OTHERWISE NOTED.
15. REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.
16. TRADE CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL PENETRATIONS WITH STRUCTURAL DRAWING REQUIREMENTS.

GENERAL DEMOLITION NOTES

1. REFER TO DRAWINGS OF ALL OTHER DISCIPLINES FOR ADDITIONAL REMOVALS AND SELECTIVE DEMOLITION ACTIVITIES.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SELECTIVE DEMOLITION ACTIVITIES. ANY ITEMS NOT INDICATED ON THE DRAWINGS OR SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID FOR CLARIFICATION.
3. FOR THE DURATION OF THE PROJECT, IF ANY EXISTING ITEM IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPAIRED AND RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED, INCLUDING REPAIR AND FINISHING TO MATCH ADJACENT SURFACES.
5. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED, INCLUDING ASSOCIATED REPAIR AND FINISHING TO MATCH ADJACENT SURFACES.
6. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ENVIRONMENTAL CONTROL MEASURES INCLUDING ACCEPTABLE AIR QUALITY CONTROL MEASURES, DUST CONTROL, EROSION CONTROL AND OTHER MEASURES REQUIRED FOR PROTECTION OF THE PROPERTY DURING SELECTIVE DEMOLITON AND CONSTRUCTION ACTIVITIES.
7. CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING CONTRACT DRAWINGS WITH FIELD CONDITIONS AND WORK ASSOCIATED WITH EACH TRADE.
8. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITIES WITH NEW WORK TO VERIFY DIMENSIONS AND EXTENT OF REMOVALS PRIOR TO BEGINING OF WORK.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVAL, STORAGE AND REINSTALLATION OF REMAINING WALL MOUNTED DEVICES INTENDED FOR REUSE.
10. ALL DEMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STATE OF INDIANA, LOCAL BUILDING CODES, OSHA AND NFPA
11. OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL INDICATED TO BE DEMOLISHED.
12. PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY, BASED ON LIMITED SITE OBSERVATIONS. CONTRACTOR TO REMOVE ANY UNUSED / ABANDONED DUCTWORK, EQUIPMENT, PIPING (GAS, REFRIGERANT ETC.), ASSOCIATED ACCESORIES WHETHER INDICATED ON THE PLANS OR NOT. CONTRACTOR TO VERIFY EXTENT OF DEMOLITION ON THE FIELD AND COORDINATE WITH THE ENGINEER (AT NO ADDITIONAL COST TO THE OWNER). PATCH WALLS AND/OR FLOOR TO MATCH ADJACENT CONDITIONS.

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING — REGISTERED — PE 10100274 — STATE OF INDIANA — PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH | APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

GENERAL MECHANICAL INFORMATION

DRAWING NUMBER: M0.1
MECHANICAL

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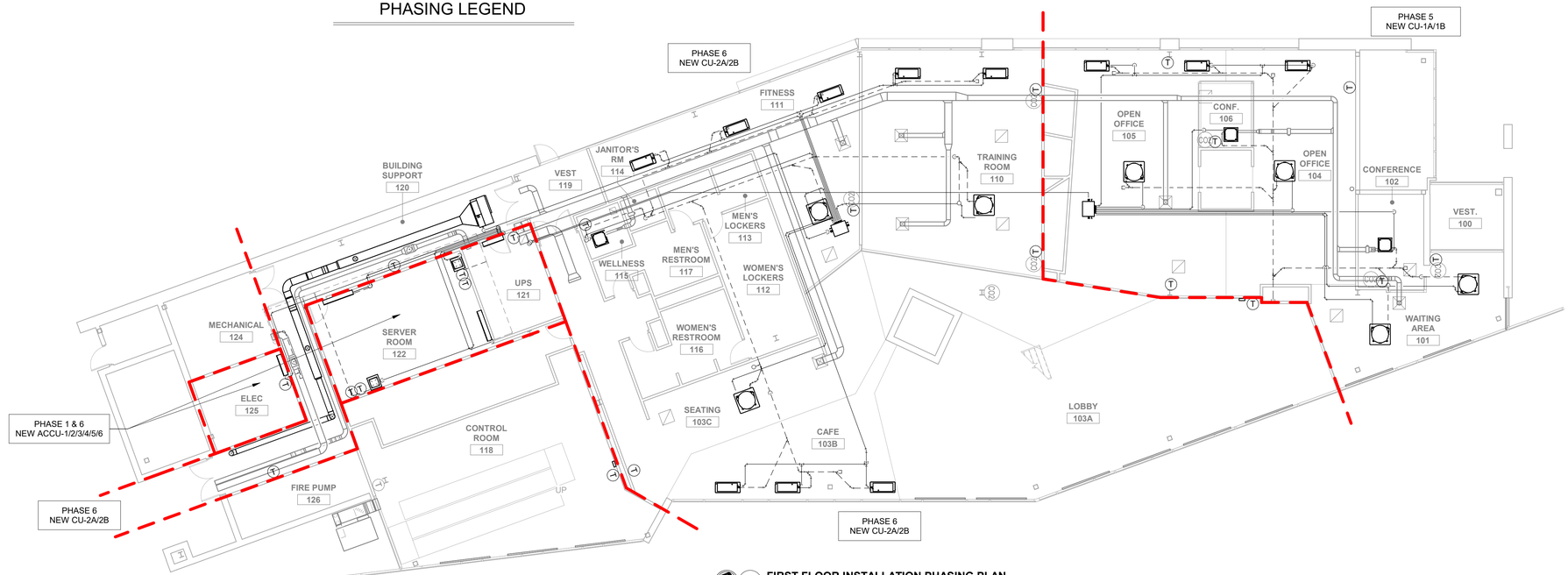
PHASE-1 DEMOLITION → PHASE-1 INSTALLATION → PHASE-2A DEMOLITION → PHASE-2A INSTALLATION → PHASE-2B DEMOLITION → PHASE-2B INSTALLATION

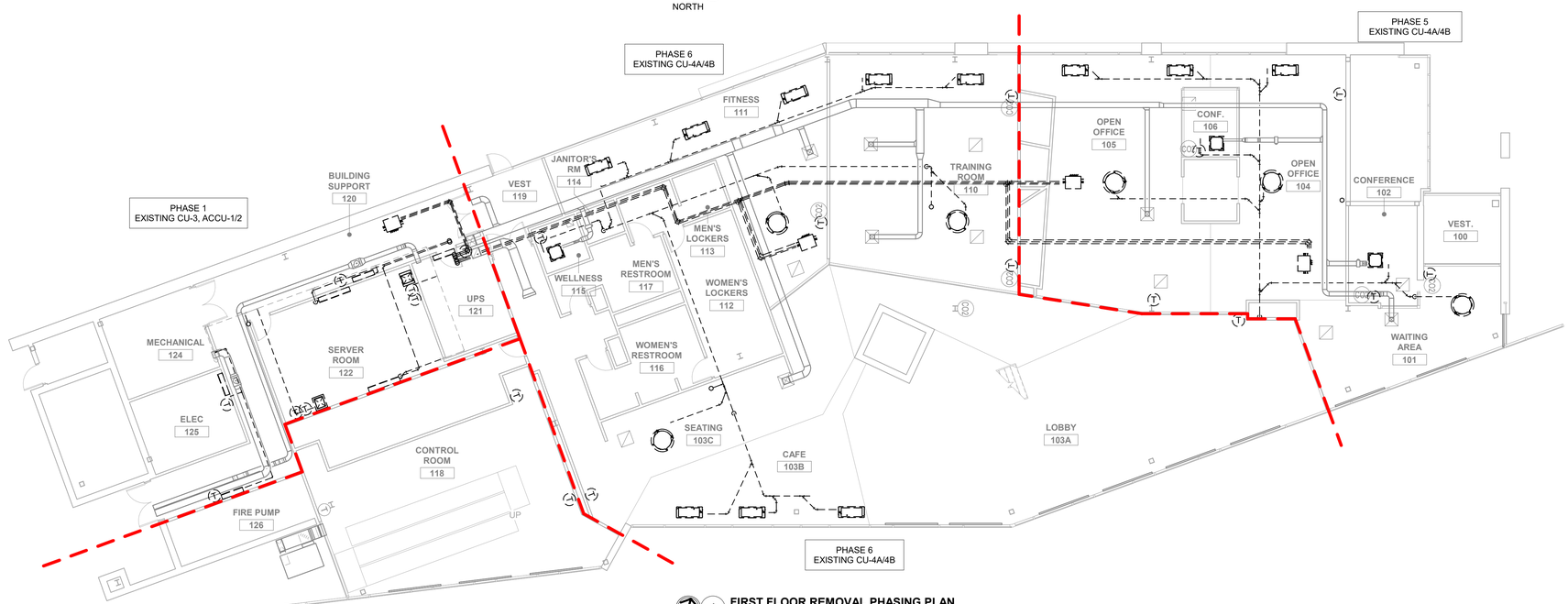
PHASE-3 DEMOLITION → PHASE-3 INSTALLATION → PHASE-4A DEMOLITION → PHASE-4A INSTALLATION → PHASE-4B DEMOLITION → PHASE-4B INSTALLATION

PHASE-5 DEMOLITION → PHASE-5 INSTALLATION → PHASE-6 DEMOLITION → PHASE-6 INSTALLATION

PHASING LEGEND



2 **FIRST FLOOR INSTALLATION PHASING PLAN**
SCALE: 1" = 10'-0"
NORTH



1 **FIRST FLOOR REMOVAL PHASING PLAN**
SCALE: 1" = 10'-0"
NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

PHASING NOTES

A. PHASING NOTES ARE FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE PHASING WITH THE OWNER PRIOR TO BIDDING AND MODIFY AS NEEDED.

B. REFER TO DELINEATED AREAS AS INDICATED ON THE PLANS TO IDENTIFY EXTENT OF WORK IN EACH OF THE PHASES OF DEMOLITION AND INSTALLATION. EXACT EXTENT OF WORK IN EACH OF THE PHASES SHALL BE COORDINATED WITH THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION WORK. PROCEED WITH WORK ONLY AFTER RECEIVING FORMAL APPROVAL BY THE OWNER.

C. EXISTING BUILDING SHALL REMAIN ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION. COORDINATE PARKING SPOTS, ENTRYWAY LOCATIONS ETC. WITH THE OWNER TO FACILITATE BUILDING OPERATIONS AND MOVEMENT OF VISITORS/OCCUPANTS.

D. ALL DEMOLITION AND SUBSEQUENT INSTALLATION SHALL BE CARRIED OUT IN A PHASE PRIOR TO ANY WORK IN THE NEXT PHASE. CONTRACTOR SHALL ENSURE EACH PHASE IS COMPLETELY OPERATIONAL PRIOR TO BEGINNING ANY WORK IN THE NEXT PHASE.

E. FACILITY SHALL CONTINUE TO OPERATE DURING PERFORMANCE OF WORK. CONTRACTOR SHALL ARRANGE AND SCHEDULE CONTRACT WORK AS REQUIRED TO ENSURE CONTINUED USE OF THE SITE WITH MINIMAL DISRUPTIONS TO BUILDING OPERATIONS. CONTRACT WORK THAT CANNOT BE PERFORMED DURING NORMAL OPERATION HOURS SHALL BE PERFORMED AFTER HOURS OR DURING THE PERIODS WHEN FACILITY IS CLOSED. COORDINATE THE EXACT SCHEDULE AND EXTENT OF WORK WITH THE OWNER PRIOR TO PROCEEDING. CONTRACTOR SHALL INCLUDE ANY ADDITIONAL EXPENDITURE AS NEEDED IN BID.

F. IF DEMOLITION OR INSTALLATION OF ANY WORK IN A PHASE AREA REQUIRES ACCESS TO THE NEXT PHASE AREA (OR VICE VERSA) THUS CAUSING DISTURBANCE TO EXISTING OCCUPANTS AT THE FACILITY, THE CONTRACTOR SHALL INFORM OWNER OF THE POSSIBLE DURATION OF WORK AT LEAST 5 DAYS PRIOR TO THE SAME TO ALLOW FOR NECESSARY ADJUSTMENTS ON OWNER'S END.

G. CONTRACTOR SHALL PROVIDE WARNING SIGNS, DIRECTIONAL SIGNS, BARRIERS, BARRICADES, OVERHEAD PROTECTION, LIGHTING COVERED WALKS ETC. AS REQUIRED TO SEPARATE WORK AREA FROM PUBLIC, VISITORS AND TO PREVENT PEDESTRIANS AND TRAFFIC FROM ENTERING AREA OF WORK. PROVIDE PROTECTION PLAN TO THE OWNER FOR APPROVAL PRIOR TO BEGINNING WORK. WORK SHALL BEGIN ONLY AFTER FORMAL APPROVAL BY THE OWNER.

H. CONTRACTOR SHALL SECURE ALL CONSTRUCTION MATERIALS AGAINST THEFT AND ENSURE MATERIALS DO NOT BECOME WINDBORNE OR CAUSE INJURY TO PUBLIC, VISITORS, BUILDING OCCUPANTS OR WORKERS. PROVIDE PRIVACY SCREENED FENCED ENCLOSURE AROUND STAGING AREA.

I. FOR THE UNITS BEING REMOVED, CONTRACTOR TO ENSURE THAT ASSOCIATED EQUIPMENT CONTROLS ARE REMOVED FROM CONTROLS FRONT END AS NEEDED FOR CONTINUED OPERATION OF THE CONTROLS.

J. DURING REMOVAL OF INDOOR VRF UNITS, REMOVAL AND TEMPORARY CAPPING OF EXISTING REFRIGERANT PIPING CONNECTED TO BRANCH CONTROLLER BOXES SHALL CORRESPOND TO MANUFACTURERS RECOMMENDATIONS. FILTER REFRIGERANT ETC. AS NEEDED TO ENSURE SALVAGED REFRIGERANT MEETS MANUFACTURER'S RECOMMENDATIONS FOR REFURBISHMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR REBALANCING AND/OR DERATING OF SYSTEM TO OPERATE IN LIKE EXISTING CONDITIONS TO PREVENT DISCOMFORT TO THE OCCUPANTS. ADJUST CONTROLS AS NEEDED TO ENSURE INDOOR UNITS SERVING A PHASE AREA ARE OPERATIONAL POST PREVIOUS PHASE DEMOLITION OF OTHER INDOOR UNITS ON THE SAME SYSTEM. INCORPORATE NECESSARY EXPENDITURE IN BIDDING DOCUMENTS.

K. CONTRACTOR SHALL COORDINATE AT LEAST 5 DAYS PRIOR TO SHUTOFF OF ANY UTILITIES WHICH SHALL IMPACT BUILDING OPERATIONS WITH THE OWNER. PROVIDE ISOLATION VALVES ETC. AS NEEDED TO MINIMIZE DISRUPTIONS TO THE FACILITY.

L. REMOVAL PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY, BASED ON LIMITED SITE OBSERVATIONS. CONTRACTOR SHALL REMOVE ANY UNUSED/ABANDONED DUCTWORK, PIPING, ASSOCIATED ACCESSORIES, HANGERS ETC. IN EACH OF THE PHASES WHETHER INDICATED ON THE PLANS OR NOT. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION ON THE FIELD PRIOR TO BIDDING AND COORDINATE WITH ENGINEER AND ARCHITECT (AT NO ADDITIONAL COST TO THE OWNER). OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL REMOVED. PATCH WALLS, AND/OR FLOORS TO MATCH ADJACENT CONDITIONS.

M. CONTRACTOR TO COORDINATE WITH VRF SYSTEM MANUFACTURER (SAMSUNG) TO DETERMINE REQUIREMENTS AND ADJUSTMENTS REQUIRED FOR SYSTEM SERVING A PHASE TO REMAIN IN OPERATION WITH REMOVAL OF VRF UNITS IN THE PREVIOUS PHASE FOR UNITS SHARING A CONDENSING UNIT/BRANCH CONTROLLER BOX. ADJUSTMENTS INCLUDE, BUT ARE NOT LIMITED TO, PIPING MODIFICATIONS, REFRIGERANT CONTROLLER REVISIONS, UNIT CONTROLS, AND REFRIGERANT RECOVERY AND REUSE.

SCALE: 1" = 10'-0"
0 5' - 0" 10' - 0" 20' - 0"

DLZ
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SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING
REGISTERED
PE 10108274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
CHK'D: JRA
APPR'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL PHASING PLAN

DRAWING NUMBER
M0.2
MECHANICAL

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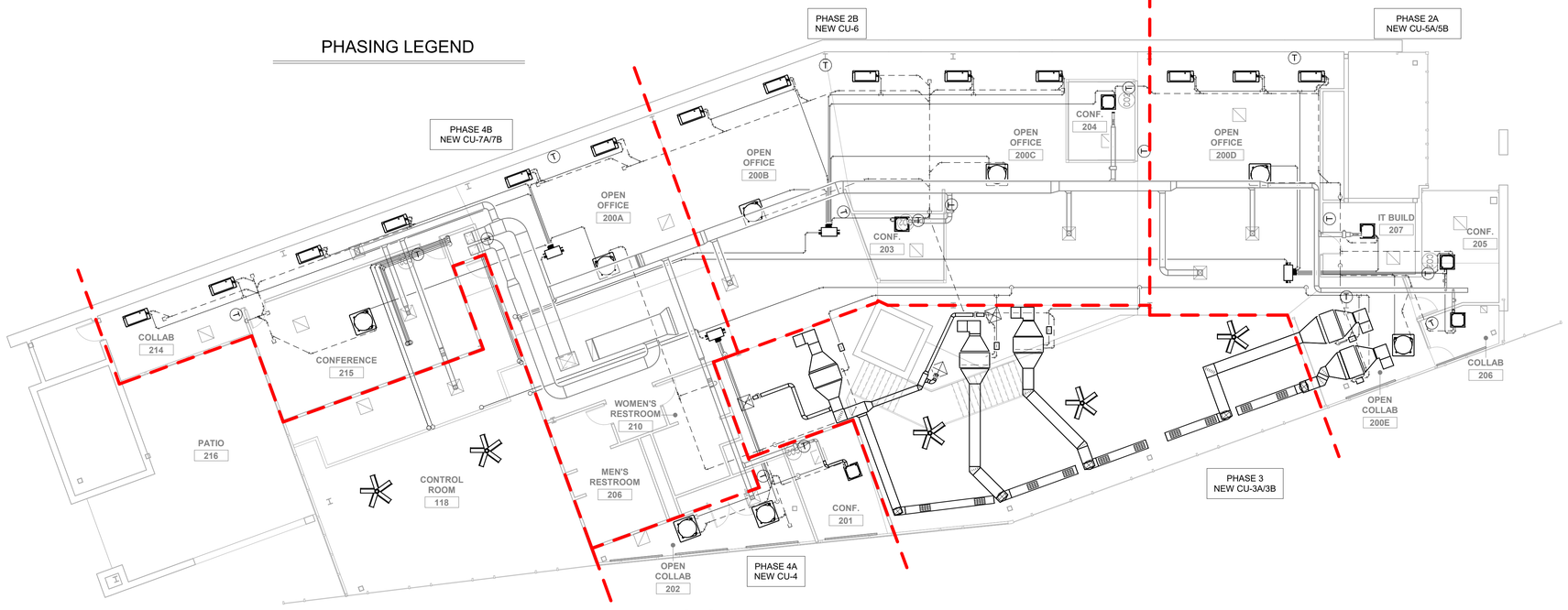
PHASE-1 DEMOLITION → PHASE-1 INSTALLATION → PHASE-2A DEMOLITION → PHASE-2A INSTALLATION → PHASE-2B DEMOLITION → PHASE-2B INSTALLATION

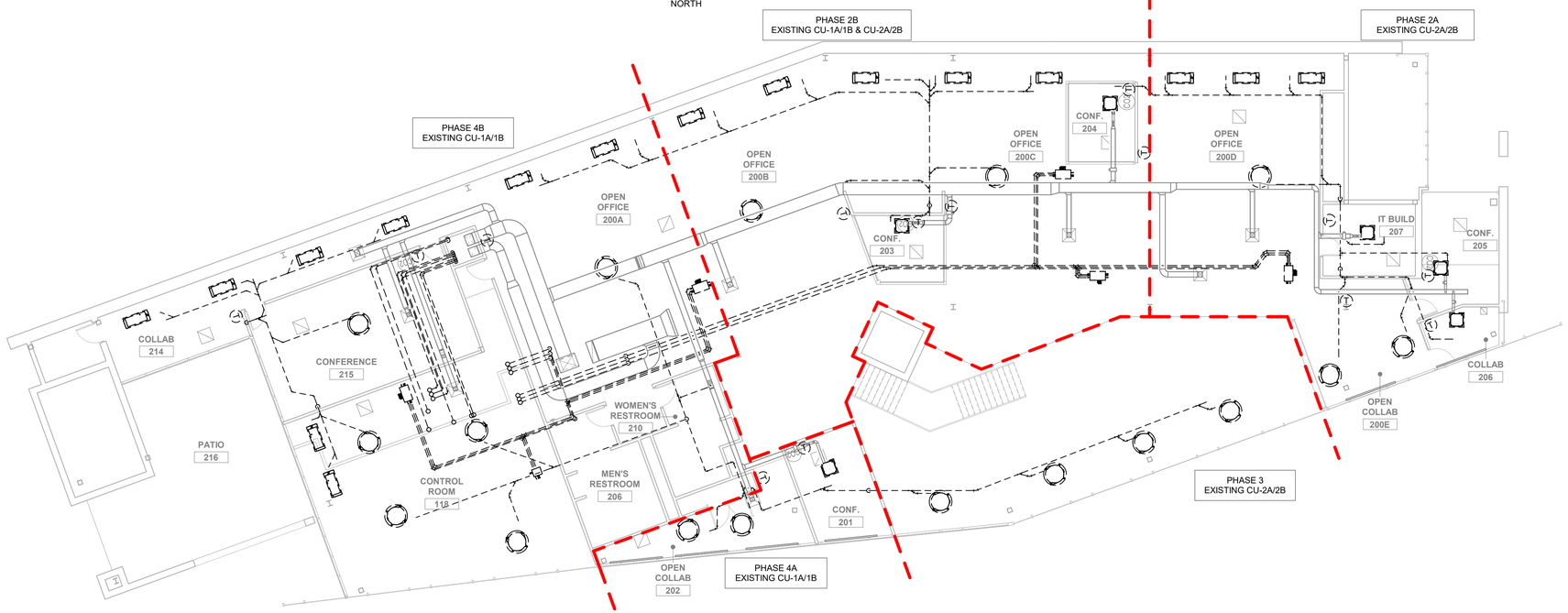
PHASE-3 DEMOLITION → PHASE-3 INSTALLATION → PHASE-4A DEMOLITION → PHASE-4A INSTALLATION → PHASE-4B DEMOLITION → PHASE-4B INSTALLATION

PHASE-5 DEMOLITION → PHASE-5 INSTALLATION → PHASE-6 DEMOLITION → PHASE-6 INSTALLATION

PHASING LEGEND



2 **SECOND FLOOR INSTALLATION PHASING PLAN**
SCALE: 1" = 10'-0"
NORTH



1 **SECOND FLOOR REMOVAL PHASING PLAN**
SCALE: 1" = 10'-0"
NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

PHASING NOTES

A. PHASING NOTES ARE FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE PHASING WITH THE OWNER PRIOR TO BIDDING AND MODIFY AS NEEDED.

B. REFER TO DELINEATED AREAS AS INDICATED ON THE PLANS TO IDENTIFY EXTENT OF WORK IN EACH OF THE PHASES OF DEMOLITION AND INSTALLATION. EXACT EXTENT OF WORK IN EACH OF THE PHASES SHALL BE COORDINATED WITH THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION WORK. PROCEED WITH WORK ONLY AFTER RECEIVING FORMAL APPROVAL BY THE OWNER.

C. EXISTING BUILDING SHALL REMAIN ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION. COORDINATE PARKING SPOTS, ENTRYWAY LOCATIONS ETC. WITH THE OWNER TO FACILITATE BUILDING OPERATIONS AND MOVEMENT OF VISITORS/OCCUPANTS.

D. ALL DEMOLITION AND SUBSEQUENT INSTALLATION SHALL BE CARRIED OUT IN A PHASE PRIOR TO ANY WORK IN THE NEXT PHASE. CONTRACTOR SHALL ENSURE EACH PHASE IS COMPLETELY OPERATIONAL PRIOR TO BEGINNING ANY WORK IN THE NEXT PHASE.

E. FACILITY SHALL CONTINUE TO OPERATE DURING PERFORMANCE OF WORK. CONTRACTOR SHALL ARRANGE AND SCHEDULE CONTRACT WORK AS REQUIRED TO ENSURE CONTINUED USE OF THE SITE WITH MINIMAL DISRUPTIONS TO BUILDING OPERATIONS. CONTRACT WORK THAT CANNOT BE PERFORMED DURING NORMAL OPERATION HOURS SHALL BE PERFORMED AFTER HOURS OR DURING THE PERIODS WHEN FACILITY IS CLOSED. COORDINATE THE EXACT SCHEDULE AND EXTENT OF WORK WITH THE OWNER PRIOR TO PROCEEDING. CONTRACTOR SHALL INCLUDE ANY ADDITIONAL EXPENDITURE AS NEEDED IN BID.

F. IF DEMOLITION OR INSTALLATION OF ANY WORK IN A PHASE AREA REQUIRES ACCESS TO THE NEXT PHASE AREA (OR VICE VERSA) THUS CAUSING DISTURBANCE TO EXISTING OCCUPANTS AT THE FACILITY, THE CONTRACTOR SHALL INFORM OWNER OF THE POSSIBLE DURATION OF WORK AT LEAST 5 DAYS PRIOR TO THE SAME TO ALLOW FOR NECESSARY ADJUSTMENTS ON OWNER'S END.

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SCALE: 1" = 10'-0"
0 5'-0" 10'-0" 20'-0"

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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING
REGISTERED
PE 10108274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
APPRVD: JRA
CHK'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL PHASING PLAN

DRAWING NUMBER: M0.3
MECHANICAL

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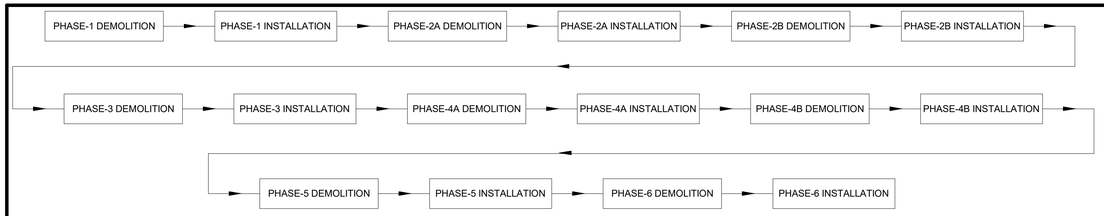
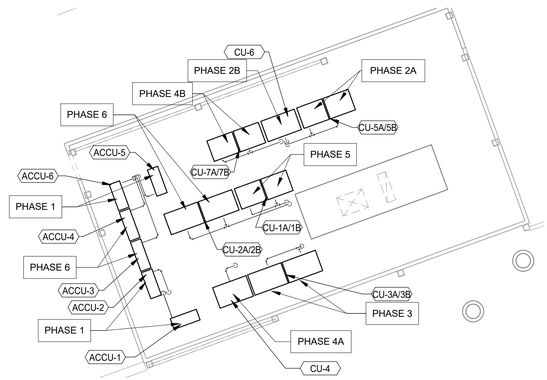
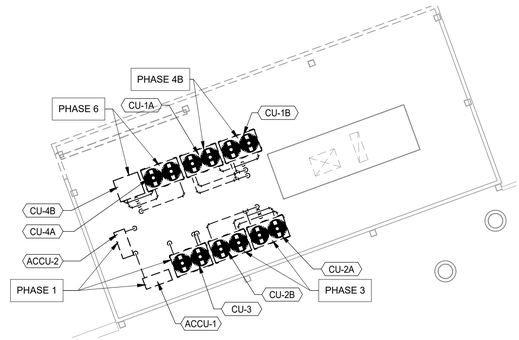


PHASING LEGEND



2 **ROOF INSTALLATION PHASING PLAN**
SCALE: 1/8" = 1'-0"
NORTH



1 **ROOF REMOVAL PHASING PLAN**
SCALE: 1/8" = 1'-0"
NORTH

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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M. CONTRACTOR TO COORDINATE WITH VRF SYSTEM MANUFACTURER (SAMSUNG) TO DETERMINE REQUIREMENTS AND ADJUSTMENTS REQUIRED FOR SYSTEM SERVING A PHASE TO REMAIN IN OPERATION WITH REMOVAL OF VRF UNITS IN THE PREVIOUS PHASE FOR UNITS SHARING A CONDENSING UNIT/BRANCH CONTROLLER BOX. ADJUSTMENTS INCLUDE, BUT ARE NOT LIMITED TO, PIPING MODIFICATIONS, REFRIGERANT CONTROLLER REVISIONS, UNIT CONTROLS, AND REFRIGERANT RECOVERY AND REUSE.

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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

NO.	REVISION	DATE

DRAWN: ZAH
CHK'D: JRA
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APPRV'D: JRA
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PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL PHASING PLAN

DRAWING NUMBER: M0.4
MECHANICAL

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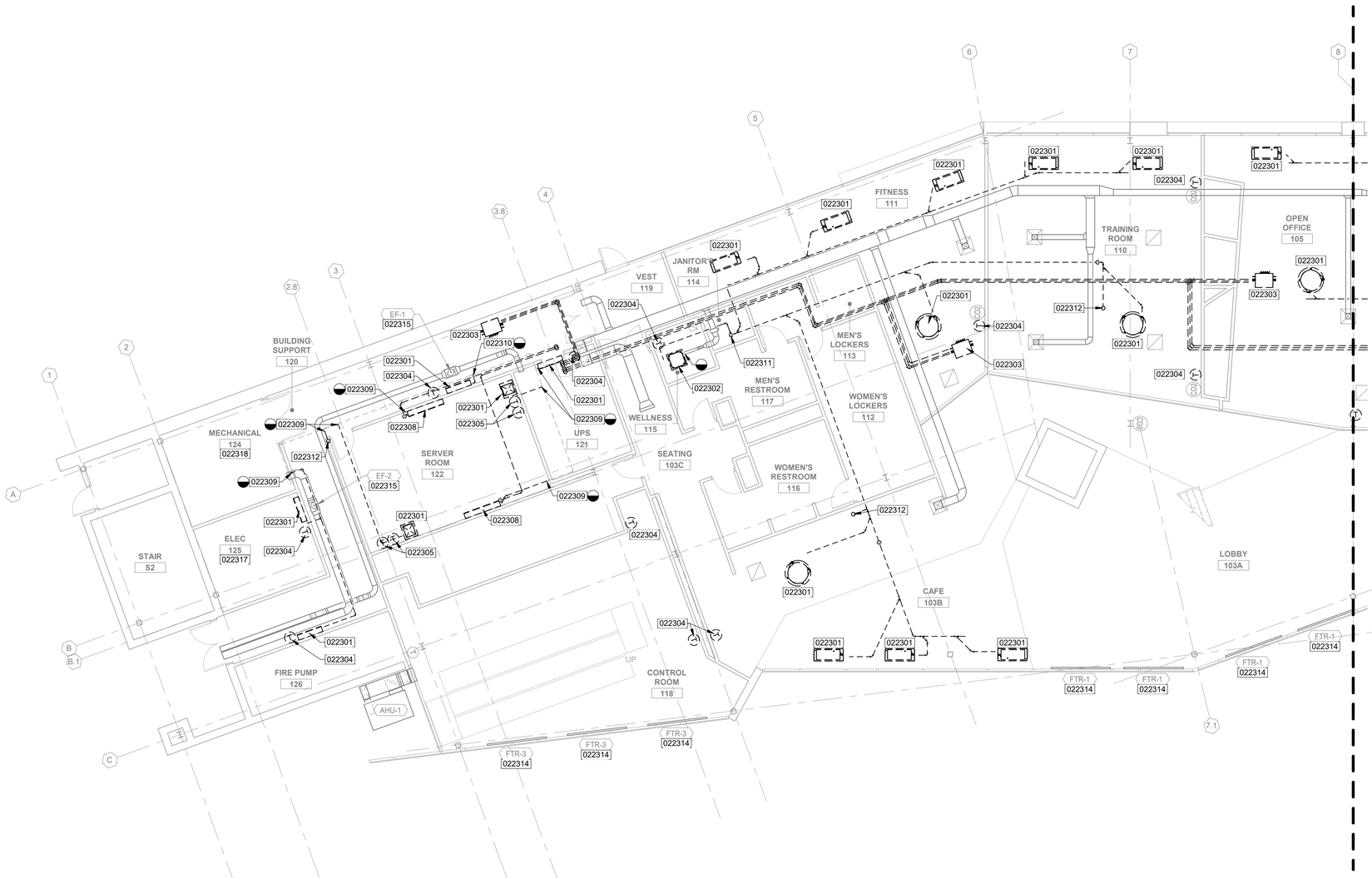


1 **FIRST FLOOR MECHANICAL REMOVAL PLAN - AREA A**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

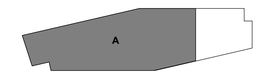
I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

022301	REMOVE EXISTING VRF UNIT AND ALL ASSOCIATED REFRIGERANT PIPING, CONTROLS, AND COMPONENTS COMPLETE. REMOVE CONDENSATE PIPING BACK TO POINTS INDICATED
022302	REMOVE EXISTING VRF UNIT AND ALL ASSOCIATED REFRIGERANT PIPING, CONDENSATE PIPING, CONTROLS, AND COMPONENTS COMPLETE. DISCONNECT FROM EXISTING TO REMAIN SUPPLY DUCT.
022303	REMOVE EXISTING BRANCH CONTROLLER BOX AND ALL ASSOCIATED REFRIGERANT PIPING AND COMPONENTS COMPLETE
022304	REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING AND LOCKABLE COVER BASE. EXISTING WALL LOCATION TO BE REUSED
022305	REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING. EXISTING WALL LOCATION TO BE REUSED
022308	REMOVE EXISTING DUCTLESS SPLIT UNIT AND ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS. REMOVE CONDENSATE PIPING BACK TO POINTS INDICATED
022309	REMOVE EXISTING CONDENSATE PIPING BACK TO POINT INDICATED. TEMPORARILY CAP FOR FUTURE RECONNECTION
022310	REMOVE EXISTING CONDENSATE PIPING BACK TO POINT INDICATED AND PERMANENTLY CAP OPEN END
022311	CONTRACTOR TO CONFIRM EXISTING LOCATION OF CONDENSATE DISCHARGE. EXISTING LOCATION TO BE REUSED
022312	CONTRACTOR TO CONFIRM EXISTING LOCATION OF CONDENSATE PIPE PENETRATION BETWEEN FLOORS. EXISTING PENETRATION TO BE REUSED
022314	CONTRACTOR TO CONFIRM LOCATION OF THERMOSTAT SERVING EXISTING ELECTRIC FIN TUBE HEATER. DISCONNECT AND REMOVE THERMOSTAT. EXISTING FIN TUBE HEATER TO REMAIN
022315	DISCONNECT EXISTING EXHAUST FAN FROM BUILDING MANAGEMENT SYSTEM. EXHAUST FAN AND EXISTING CONTROLS TO REMAIN.
022317	CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING MONITORING DEVICES FOR PANELS HP-1, LP-1, RDP-1, RP-1C, AND RR-2C. DISCONNECT DEVICES FROM EXISTING BUILDING MANAGEMENT SYSTEM. MONITORING DEVICES TO BE REUSED
022318	CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING MONITORING DEVICES FOR NATURAL GAS METER AND TRANSFER SWITCH. DISCONNECT DEVICES FROM EXISTING BUILDING MANAGEMENT SYSTEM. MONITORING DEVICES TO BE REUSED

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN



DLZ
ARCHITECTURE • ENGINEERING • PLANNING
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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
APPRVD: JRA
CHK'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL REMOVAL PLAN - AREA A

DRAWING NUMBER
MD1.1A
MECHANICAL

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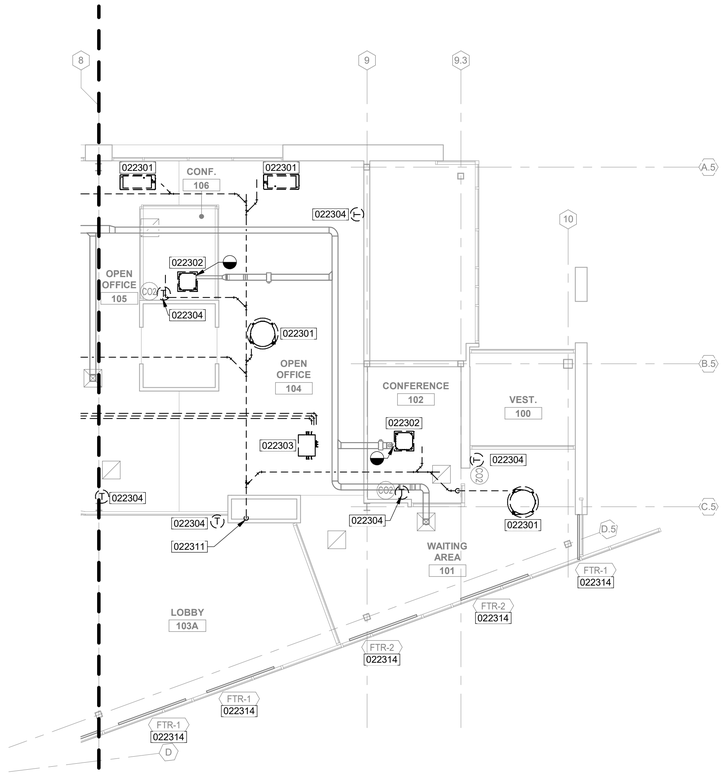

1 **FIRST FLOOR MECHANICAL REMOVAL PLAN - AREA B**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

022301	REMOVE EXISTING VRF UNIT AND ALL ASSOCIATED REFRIGERANT PIPING, CONTROLS, AND COMPONENTS COMPLETE. REMOVE CONDENSATE PIPING BACK TO POINTS INDICATED
022302	REMOVE EXISTING VRF UNIT AND ALL ASSOCIATED REFRIGERANT PIPING, CONDENSATE PIPING, CONTROLS, AND COMPONENTS COMPLETE. DISCONNECT FROM EXISTING TO REMAIN SUPPLY DUCT.
022303	REMOVE EXISTING BRANCH CONTROLLER BOX AND ALL ASSOCIATED REFRIGERANT PIPING AND COMPONENTS COMPLETE
022304	REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING AND LOCKABLE COVER BASE. EXISTING WALL LOCATION TO BE REUSED
022311	CONTRACTOR TO CONFIRM EXISTING LOCATION OF CONDENSATE DISCHARGE. EXISTING LOCATION TO BE REUSED
022314	CONTRACTOR TO CONFIRM LOCATION OF THERMOSTAT SERVING EXISTING ELECTRIC FIN TUBE HEATER. DISCONNECT AND REMOVE THERMOSTAT. EXISTING FIN TUBE HEATER TO REMAIN

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN

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01/30/2026
JOSHUA R. APLING
REGISTERED
PE 11000274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

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DESIGNED: ZAH
APPRV'D: JRA
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PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL REMOVAL PLAN - AREA B

DRAWING NUMBER
MD1.1B
MECHANICAL

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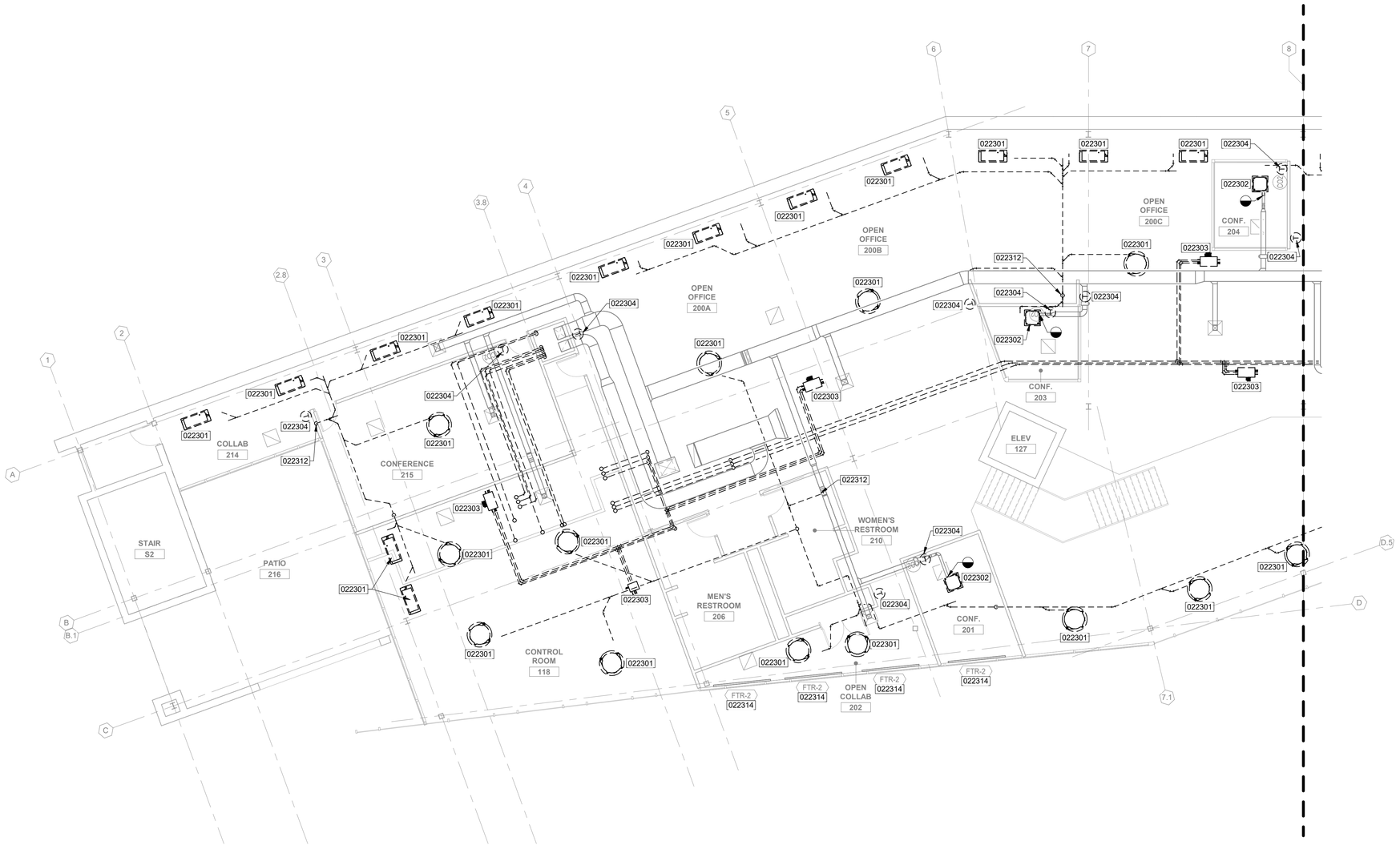

1 **SECOND FLOOR MECHANICAL REMOVAL PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

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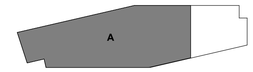
022303	REMOVE EXISTING BRANCH CONTROLLER BOX AND ALL ASSOCIATED REFRIGERANT PIPING AND COMPONENTS COMPLETE
022304	REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING AND LOCKABLE COVER BASE. EXISTING WALL LOCATION TO BE REUSED
022312	CONTRACTOR TO CONFIRM EXISTING LOCATION OF CONDENSATE PIPE PENETRATION BETWEEN FLOORS. EXISTING PENETRATION TO BE REUSED
022314	CONTRACTOR TO CONFIRM LOCATION OF THERMOSTAT SERVING EXISTING ELECTRIC FIN TUBE HEATER. DISCONNECT AND REMOVE THERMOSTAT. EXISTING FIN TUBE HEATER TO REMAIN

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING
REGISTERED
PE 10108274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
APPRV'D: JRA
CHK'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL REMOVAL PLAN - AREA A

DRAWING NUMBER
MD1.2A
MECHANICAL

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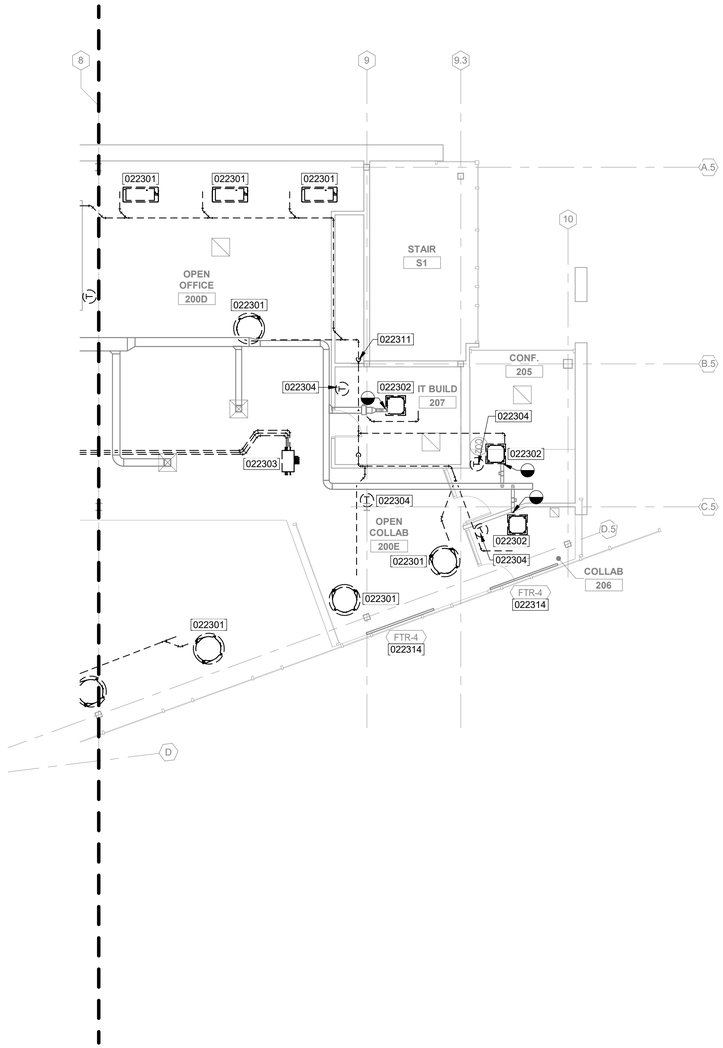

1 **SECOND FLOOR MECHANICAL REMOVAL PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

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E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

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022314	CONTRACTOR TO CONFIRM LOCATION OF THERMOSTAT SERVING EXISTING ELECTRIC FIN TUBE HEATER. DISCONNECT AND REMOVE THERMOSTAT. EXISTING FIN TUBE HEATER TO REMAIN

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. ADLING
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PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZJH | CHK'D: JRA
DESIGNED: ZJH
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DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL REMOVAL PLAN - AREA B

DRAWING NUMBER
MD1.2B
MECHANICAL

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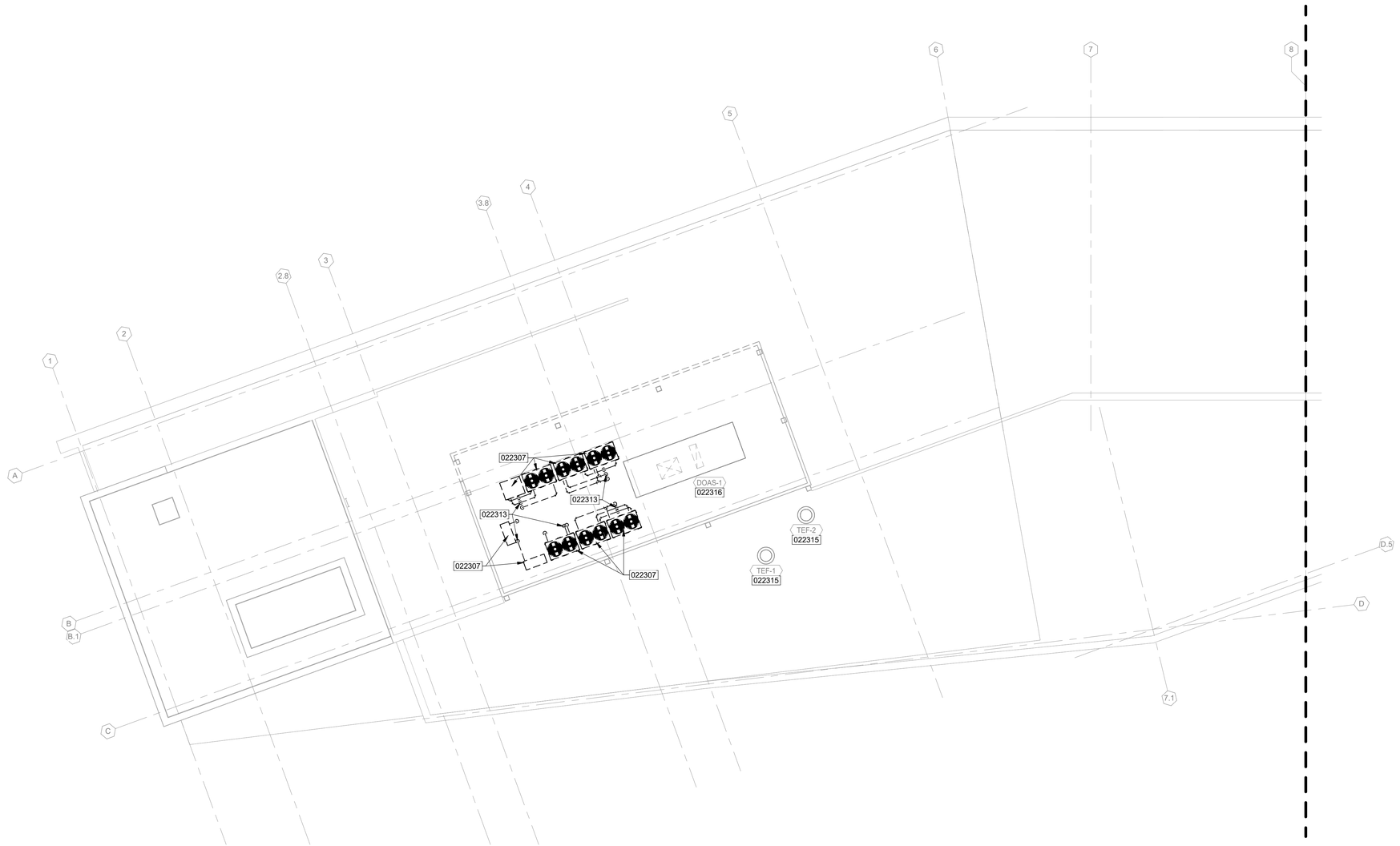

1 ROOF MECHANICAL REMOVAL PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

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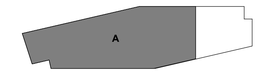
KEYNOTES

022307	REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS. EXISTING EQUIPMENT RAILS/PADS TO BE REUSED
022313	REMOVE ALL REFRIGERANT PIPING ASSOCIATED WITH CONDENSING UNITS TO BE REMOVED. EXISTING ROOF OPENINGS TO BE REUSED
022315	DISCONNECT EXISTING EXHAUST FAN FROM BUILDING MANAGEMENT SYSTEM. EXHAUST FAN AND EXISTING CONTROLS TO REMAIN.
022316	DISCONNECT EXISTING DOAS UNIT FROM BUILDING MANAGEMENT SYSTEM. DOAS UNIT AND EXISTING CONTROLS TO REMAIN.

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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NO.	REVISION	DATE

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DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL REMOVAL PLAN - AREA A

DRAWING NUMBER: MD1.3A
MECHANICAL

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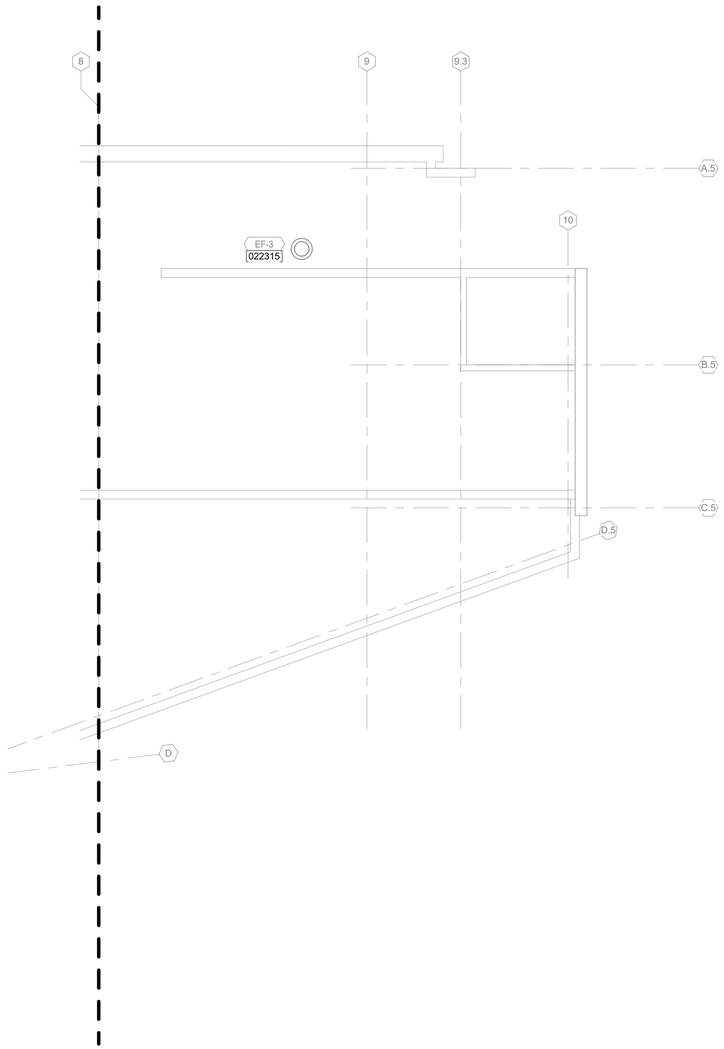

1 ROOF MECHANICAL REMOVAL PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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KEYNOTES

022315	DISCONNECT EXISTING EXHAUST FAN FROM BUILDING MANAGEMENT SYSTEM. EXHAUST FAN AND EXISTING CONTROLS TO REMAIN.

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN

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SURVEYING • CONSTRUCTION SERVICES
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01/30/2026

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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL REMOVAL PLAN - AREA B

DRAWING NUMBER MD1.3B

MECHANICAL

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1 FIRST FLOOR DUCTWORK INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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KEYNOTES

230001 ADJUST EXISTING WOODEN EQUIPMENT PAD AS NEEDED FOR NEW VRF UNIT. PROVIDE NEW SUPPLY DUCTWORK AND RETURN AIR SETUP SIMILAR TO EXISTING WITH GRILLE RATED FOR 1,650 CFM ON OPEN SUPPLY DUCT

230003 ADJUST EXISTING OPENINGS IN SOFTWOOD WOOD PANEL CEILING AS NEEDED TO MOUNT NEW VRF UNITS

230004 COORDINATE NEW UNIT LOCATION AND ASSOCIATED REFRIGERANT/CONDENSATE PIPING WITH EXISTING SERVER EQUIPMENT

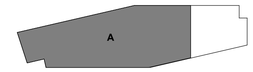
233101 ADJUST EXISTING DUCTWORK AS NEEDED TO CONNECT TO NEW VRF UNIT

233102 COORDINATE NEW DUCTWORK ROUTING WITH EXISTING LIGHTS, PIPING, AND EXHAUST FAN DUCTWORK LOCATED IN BUILDING SUPPORT 120

233301 REBALANCE EXISTING CONSTANT FLOW REGULATOR TO VALUE INDICATED ON SCHEDULE. REFER TO SHEET M6.1

SCALE 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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PROFESSIONAL ENGINEER

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PROJECT NUMBER 2461-2017-06
CHK'D: JRA

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL DUCTWORK INSTALLATION PLAN - AREA A

DRAWING NUMBER M2.1A

MECHANICAL

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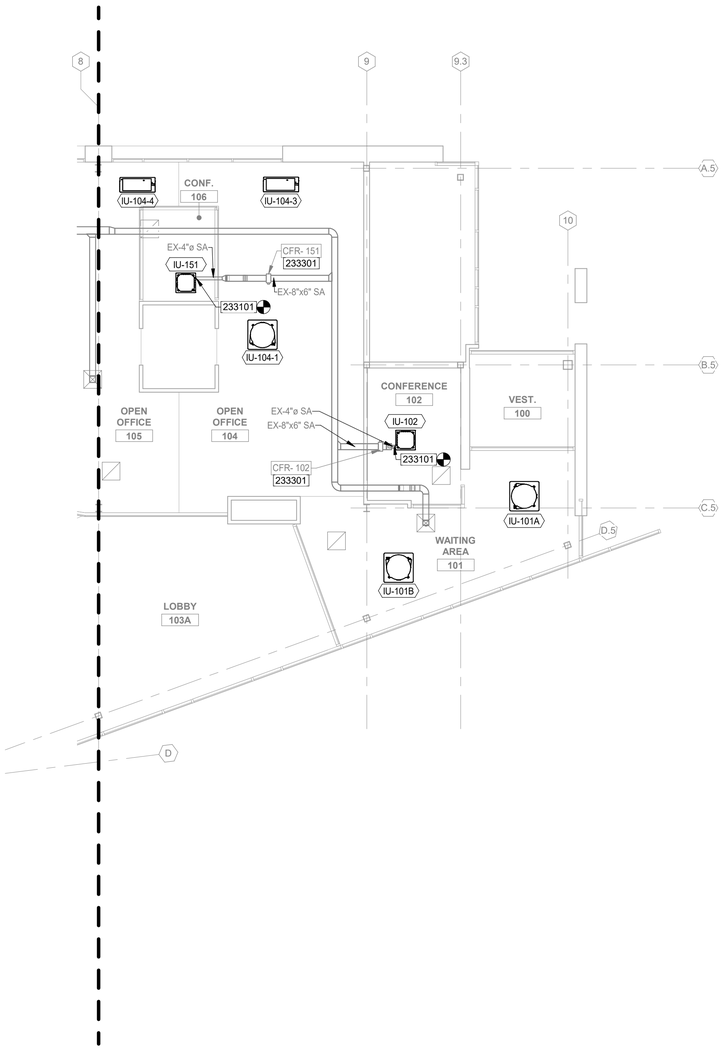

1 **FIRST FLOOR DUCTWORK INSTALLATION PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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KEYNOTES

233101	ADJUST EXISTING DUCTWORK AS NEEDED TO CONNECT TO NEW VRF UNIT
233301	REBALANCE EXISTING CONSTANT FLOW REGULATOR TO VALUE INDICATED ON SCHEDULE. REFER TO SHEET M6.1

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026

JOSHUA R. ADLING
REGISTERED
PE 11000274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL DUCTWORK INSTALLATION PLAN - AREA B

DRAWING NUMBER M2.1B
MECHANICAL

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1 SECOND FLOOR DUCTWORK INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

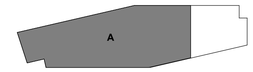
I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

233101	ADJUST EXISTING DUCTWORK AS NEEDED TO CONNECT TO NEW VRF UNIT
233103	RECTANGULAR DUCTWORK TO BE MOUNTED ABOVE CEILING. ROUND DUCTWORK RUN TO DROP BELOW CEILING AND BE MOUNTED IN EXPOSED CEILING AREA. ALL DUCTWORK OVER LOBBY 103A TO BE DOUBLE-WALL DUCT WITH INTERIOR INSULATION. PAINT ALL DUCTWORK AND DIFFUSERS IN AREA TO MATCH CEILING COLOR
233104	RETURN DUCTWORK TO BE INTERNALLY LINED. REFER TO SPECIFICATION SECTION 23 31 13
233301	REBALANCE EXISTING CONSTANT FLOW REGULATOR TO VALUE INDICATED ON SCHEDULE. REFER TO SHEET M6.1
233701	PROVIDE FRONT OPERATED DAMPER FOR NEW DIFFUSER. BASIS OF DESIGN PRICE MODEL VCS3

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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ARCHITECTURE • ENGINEERING • PLANNING
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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING
REGISTERED
PE-H19674
STATE OF
INDIANA
PROFESSIONAL ENGINEER

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PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL DUCTWORK INSTALLATION
PLAN - AREA A

DRAWING NUMBER
M2.2A
MECHANICAL

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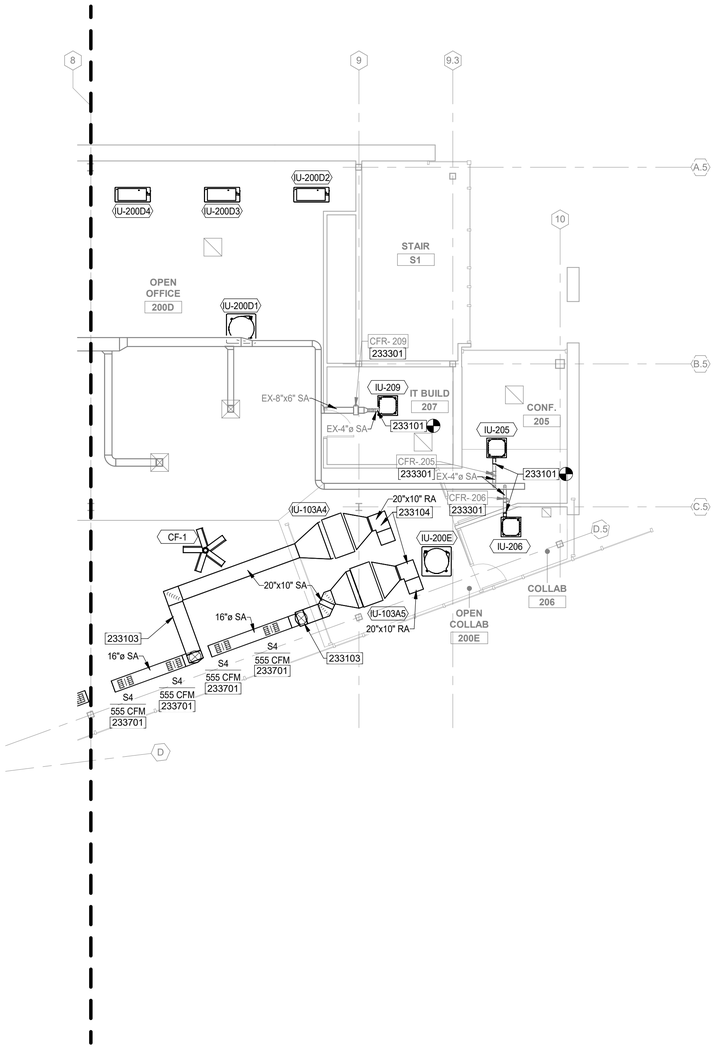

1 **SECOND FLOOR DUCTWORK INSTALLATION PLAN - AREA B**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

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I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

233101	ADJUST EXISTING DUCTWORK AS NEEDED TO CONNECT TO NEW VRF UNIT
233103	RECTANGULAR DUCTWORK TO BE MOUNTED ABOVE CEILING. ROUND DUCTWORK RUN TO DROP BELOW CEILING AND BE MOUNTED IN EXPOSED CEILING AREA. ALL DUCTWORK OVER LOBBY 103A TO BE DOUBLE-WALL DUCT WITH INTERIOR INSULATION. PAINT ALL DUCTWORK AND DIFFUSERS IN AREA TO MATCH CEILING COLOR
233104	RETURN DUCTWORK TO BE INTERNALLY LINED. REFER TO SPECIFICATION SECTION 23 31 13
233301	REBALANCE EXISTING CONSTANT FLOW REGULATOR TO VALUE INDICATED ON SCHEDULE. REFER TO SHEET M6.1
233701	PROVIDE FRONT OPERATED DAMPER FOR NEW DIFFUSER. BASIS OF DESIGN PRICE MODEL VCS3

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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PROFESSIONAL ENGINEER

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INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL DUCTWORK INSTALLATION
PLAN - AREA B

DRAWING NUMBER
M2.2B
MECHANICAL

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NORTH

1 **ROOF DUCTWORK INSTALLATION PLAN - AREA A**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

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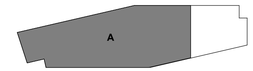
KEYNOTES

230006	COORDINATE LOCATIONS OF NEW CONDENSING UNITS WITH EXISTING ROOF DRAINS TO ENSURE PROPER ROOF DRAINAGE
236201	ADJUST EXISTING EQUIPMENT RAILS/PADS AS NEEDED TO SUPPORT NEW CONDENSING UNIT
236202	PROVIDE NEW EQUIPMENT PAD FOR NEW CONDENSING UNIT. COORDINATE CLEARANCE AREAS WITH OTHER CONDENSING UNITS

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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01/30/2026
JOSHUA R. ADLING
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PE HVAC/R
STATE OF INDIANA
PROFESSIONAL ENGINEER

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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL DUCTWORK INSTALLATION PLAN - AREA A

DRAWING NUMBER
M2.3A
MECHANICAL

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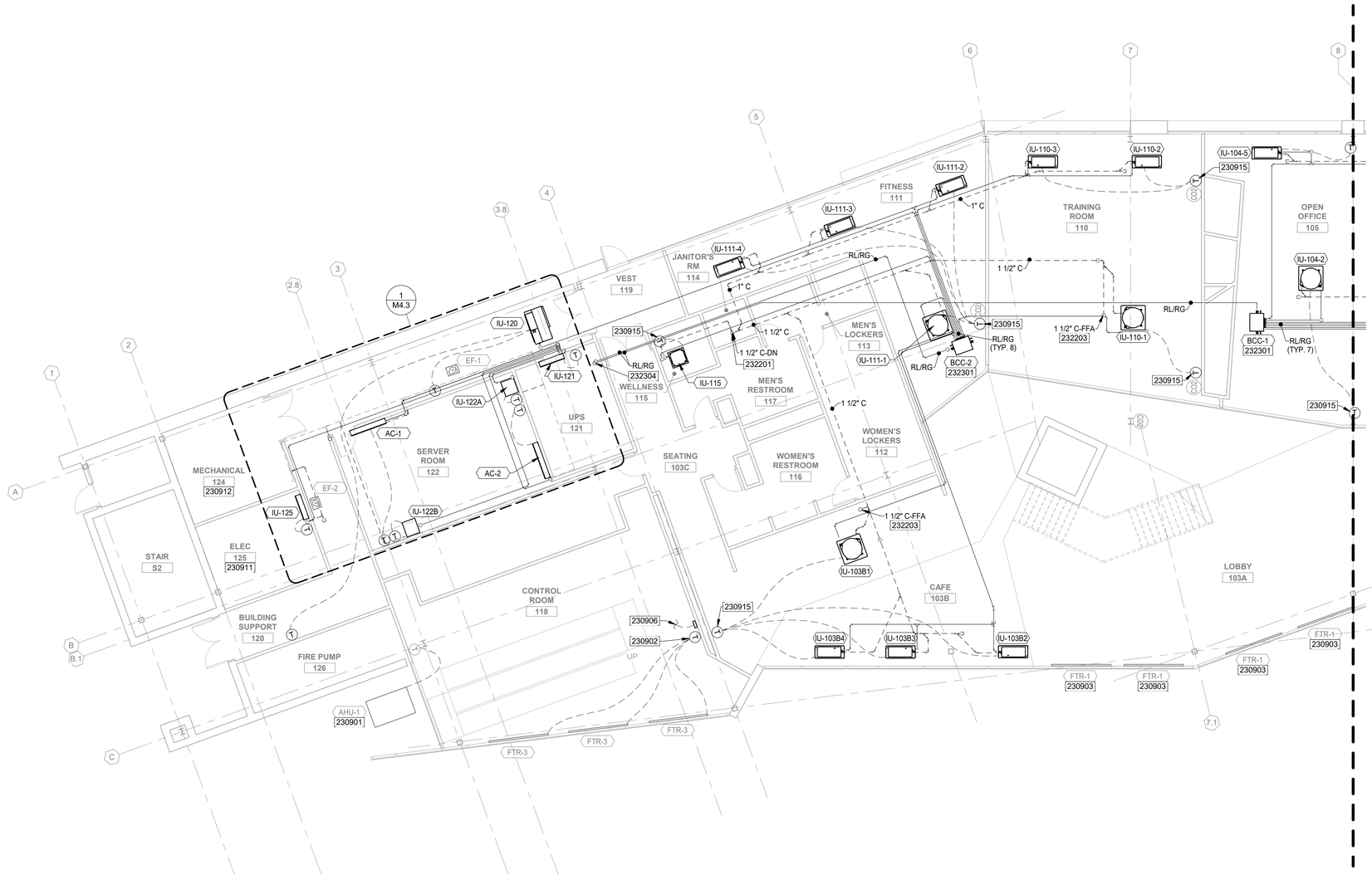

1 FIRST FLOOR PIPING INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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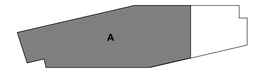
KEYNOTES

230901	PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT EXISTING AIR HANDLING UNIT AND ASSOCIATED THERMOSTAT TO NEW BUILDING MANAGEMENT SYSTEM
230902	PROVIDE NEW THERMOSTAT FOR EXISTING ELECTRIC FIN TUBE HEATERS IN SPACE. INSTALL THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY. CONNECT TO NEW BUILDING MANAGEMENT SYSTEM
230903	CONNECT EXISTING ELECTRIC FIN TUBE HEATERS TO NEW VRF THERMOSTAT SERVING THE SPACE. PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT HEATERS TO NEW BUILDING MANAGEMENT SYSTEM
230906	PROVIDE NEW ADVANCED TOUCHSCREEN CONTROL PANEL FOR FANS CF-4 AND CF-5. CONNECT TO NEW BUILDING MANAGEMENT SYSTEM
230911	CONNECT EXISTING MONITORING DEVICES FOR PANELS HP-1, LP-1, RDP-1, RP-1C, AND RR-2C TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE
230912	CONNECT EXISTING MONITORING DEVICES FOR EXISTING NATURAL GAS METER AND TRANSFER SWITCH TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE
230915	INSTALL NEW THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY
232201	ROUTE NEW CONDENSATE PIPING TO EXISTING FLOOR DRAIN USED FOR EXISTING CONDENSATE DISCHARGE
232203	REUSE EXISTING PENETRATION BETWEEN FLOORS FOR NEW CONDENSATE PIPING DOWN TO FIRST FLOOR
232301	REFER TO DIAGRAMS ON DETAIL SHEETS FOR QUANTITY AND SIZES OF REFRIGERANT PIPING TO IU UNITS. INSTALL PER MANUFACTURER REQUIREMENTS
232304	REFRIGERANT LINES DOWN FROM CU-1A/1B AND CU-2A/2B. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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01/30/2026
JOSHUA R. ADLING
REGISTERED
PE 10100274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
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ELKHART INDIANA
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL PIPING INSTALLATION PLAN - AREA A

DRAWING NUMBER
M3.1A
MECHANICAL

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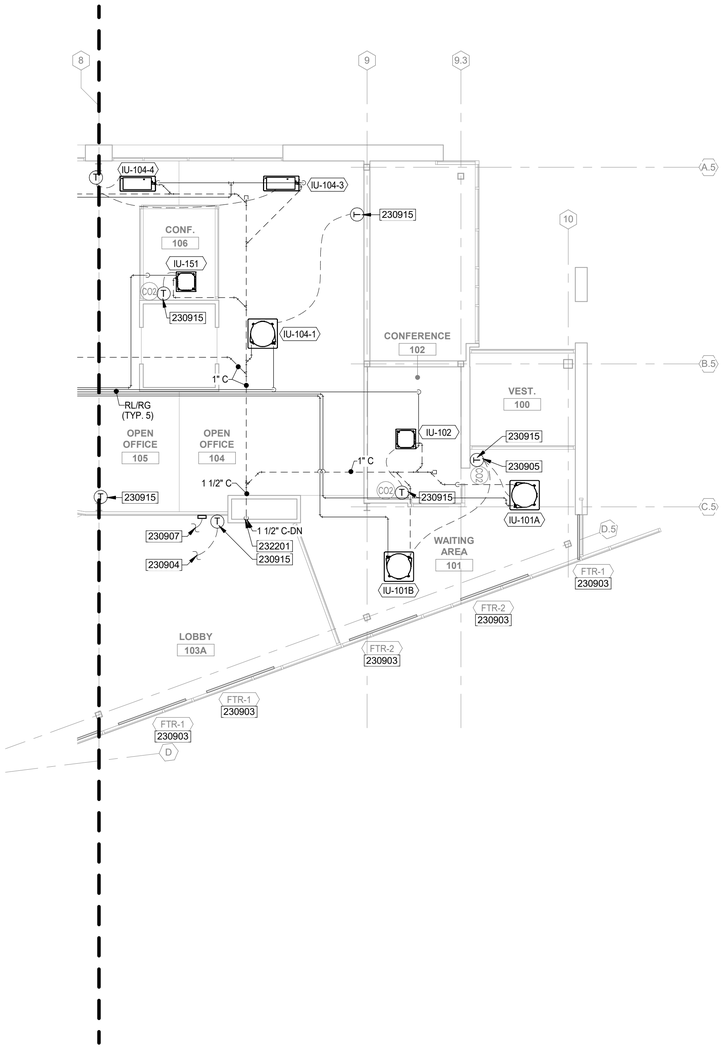

1 FIRST FLOOR PIPING INSTALLATION PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

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KEYNOTES

230903	CONNECT EXISTING ELECTRIC FIN TUBE HEATERS TO NEW VRF THERMOSTAT SERVING THE SPACE. PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT HEATERS TO NEW BUILDING MANAGEMENT SYSTEM
230904	THERMOSTAT TO SERVE UNITS IU-103A1, 103A2, 103A3, 103A4, AND 103A5
230905	PROVIDE LOCKABLE COVER FOR NEW THERMOSTAT AND CARBON DIOXIDE SENSOR
230907	PROVIDE NEW ADVANCED TOUCHSCREEN CONTROL PANEL FOR FANS CF-1, CF-2, AND CF-3. CONNECT TO NEW BUILDING MANAGEMENT SYSTEM
230915	INSTALL NEW THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY
232201	ROUTE NEW CONDENSATE PIPING TO EXISTING FLOOR DRAIN USED FOR EXISTING CONDENSATE DISCHARGE

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

KEYPLAN

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PE-11000274
STATE OF INDIANA
PROFESSIONAL ENGINEER

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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR MECHANICAL PIPING INSTALLATION PLAN - AREA B

DRAWING NUMBER
M3.1B
MECHANICAL

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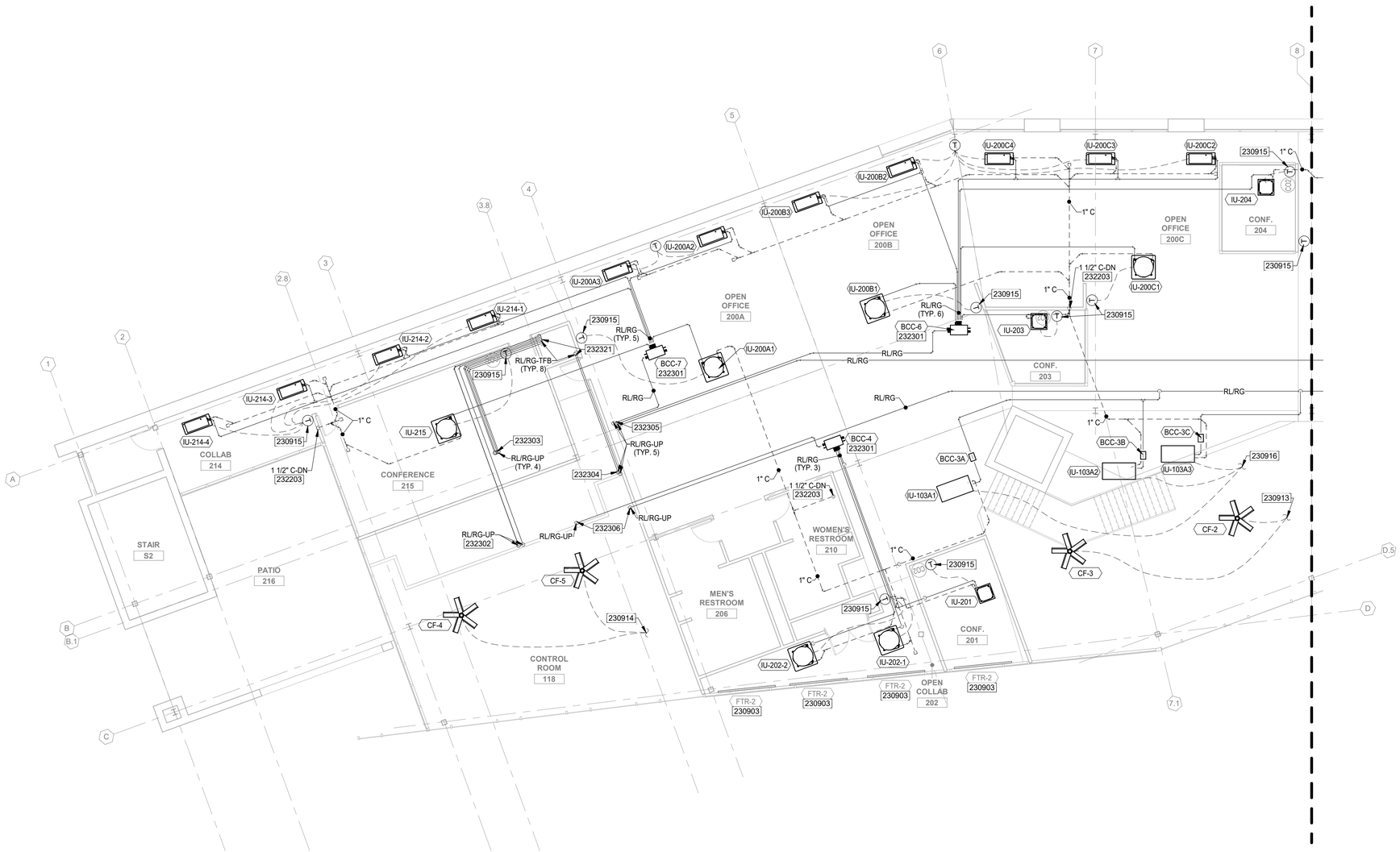

1 SECOND FLOOR PIPING INSTALLATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

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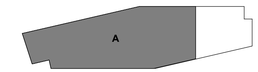
KEYNOTES

230903	CONNECT EXISTING ELECTRIC FIN TUBE HEATERS TO NEW VRF THERMOSTAT SERVING THE SPACE. PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT HEATERS TO NEW BUILDING MANAGEMENT SYSTEM
230913	CONNECT FANS TO CONTROL PANEL LOCATED ON FIRST FLOOR OF LOBBY 103A. REFER TO SHEET M3.1B FOR PANEL LOCATION
230914	CONNECT FANS TO CONTROL PANEL LOCATED ON FIRST FLOOR OF CONTROL ROOM 118A. REFER TO SHEET M3.1A FOR PANEL LOCATION
230915	INSTALL NEW THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY
230916	CONNECT UNITS TO THERMOSTAT LOCATED ON FIRST FLOOR OF LOBBY 103A. REFER TO SHEET M3.1B FOR THERMOSTAT LOCATION
232203	REUSE EXISTING PENETRATION BETWEEN FLOORS FOR NEW CONDENSATE PIPING DOWN TO FIRST FLOOR
232301	REFER TO DIAGRAMS ON DETAIL SHEETS FOR QUANTITY AND SIZES OF REFRIGERANT PIPING TO IU UNITS. INSTALL PER MANUFACTURER REQUIREMENTS
232302	REFRIGERANT LINES DOWN FROM ACCU-1 AND ACCU-2. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS
232303	REFRIGERANT LINES DOWN FROM ACCU-3, ACCU-4, ACCU-5, AND ACCU-6. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232304	REFRIGERANT LINES DOWN FROM CU-1A/1B AND CU-2A/2B. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232305	REFRIGERANT LINES DOWN FROM CU-5A/5B, CU-6, AND CU-7A/7B. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232306	REFRIGERANT LINES DOWN FROM CU-3A/3B AND CU-4. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232321	ALL REFRIGERANT PIPING LOCATED IN FIRE-RATED SHAFT TO BE DOUBLE-WALLED PIPE. INNER PIPE TO COMPLY WITH SPECIFICATION SECTION 23 23 00. OUTER PIPE TO BE CONSTRUCTED OF SCHEDULE 40 PVC. INTERSTITIAL SPACE OF ALL DOUBLE-WALL PIPING SHALL BE VENTED TO THE OUTDOORS IN COMPLIANCE WITH ASHRAE 15 SECTION 9.7.8.2

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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SECOND FLOOR MECHANICAL PIPING INSTALLATION PLAN - AREA A

DRAWING NUMBER
M3.2A
MECHANICAL

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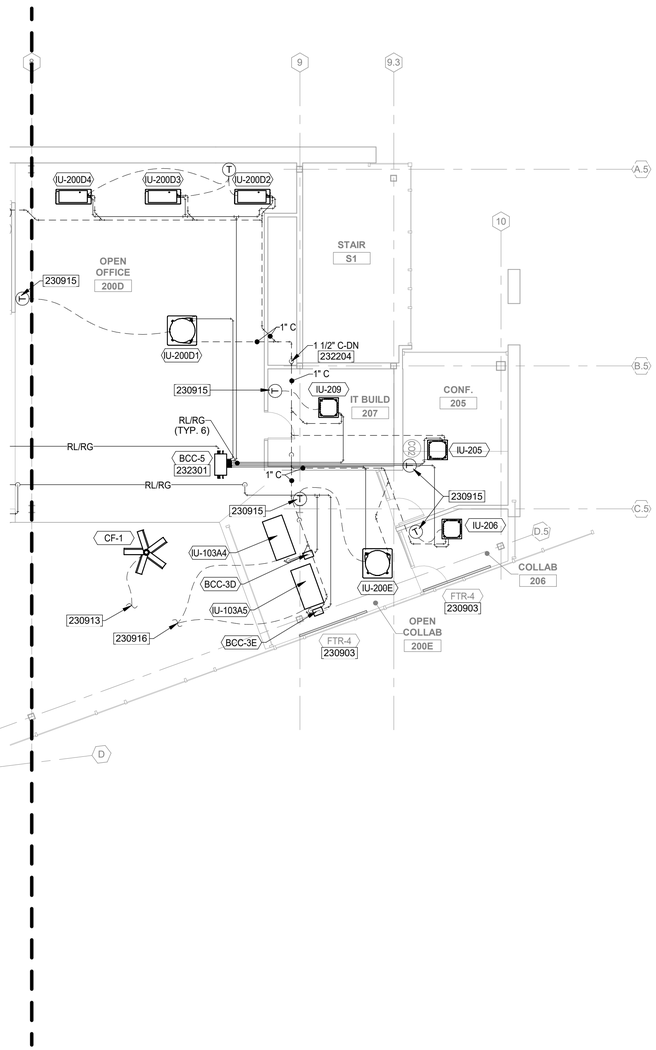

1 SECOND FLOOR PIPING INSTALLATION PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

230903	CONNECT EXISTING ELECTRIC FIN TUBE HEATERS TO NEW VRF THERMOSTAT SERVING THE SPACE. PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT HEATERS TO NEW BUILDING MANAGEMENT SYSTEM
230913	CONNECT FANS TO CONTROL PANEL LOCATED ON FIRST FLOOR OF LOBBY 103A. REFER TO SHEET M3.1B FOR PANEL LOCATION
230915	INSTALL NEW THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY
230916	CONNECT UNITS TO THERMOSTAT LOCATED ON FIRST FLOOR OF LOBBY 103A. REFER TO SHEET M3.1B FOR THERMOSTAT LOCATION
232204	REUSE EXISTING STORM DRAIN CONNECTION FOR NEW CONDENSATE PIPING CONNECTION
232301	REFER TO DIAGRAMS ON DETAIL SHEETS FOR QUANTITY AND SIZES OF REFRIGERANT PIPING TO IU UNITS. INSTALL PER MANUFACTURER REQUIREMENTS

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
APPRVD: JRA
CHK'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR MECHANICAL PIPING INSTALLATION PLAN - AREA B

DRAWING NUMBER
M3.2B
MECHANICAL

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1 **ROOF PIPING INSTALLATION PLAN - AREA A**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

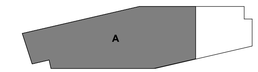
I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

230909	PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT EXISTING DOAS UNIT TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE
230910	PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT EXISTING EXHAUST FAN TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE
232307	REFRIGERANT LINES FROM CU-1A/1B TO BCC-1. REUSE EXISTING ROOF OPENING. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232308	REFRIGERANT LINES FROM CU-2A/2B TO BCC-2. REUSE EXISTING ROOF OPENING. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232309	REFRIGERANT LINES FROM CU-3A/3B TO BCC-3A, BCC-3B, BCC-3C, BCC-3D, AND BCC-3E. REUSE EXISTING ROOF OPENING. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232310	REFRIGERANT LINES FROM CU-4 TO BCC-4. REUSE EXISTING ROOF OPENING. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232311	REFRIGERANT LINES FROM CU-5A/5B TO BCC-5. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232312	REFRIGERANT LINES FROM CU-6 TO BCC-6. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232313	REFRIGERANT LINES FROM CU-7A/7B TO BCC-7. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232314	PROVIDE NEW REFRIGERANT LINES FROM ACCU-1 TO AC-1. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS
232315	PROVIDE NEW REFRIGERANT LINES FROM ACCU-2 TO AC-2. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS
232316	PROVIDE NEW REFRIGERANT LINES FROM ACCU-3 TO IU-122A. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232317	PROVIDE NEW REFRIGERANT LINES FROM ACCU-4 TO IU-122B. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232318	PROVIDE NEW REFRIGERANT LINES FROM ACCU-5 TO IU-121. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232319	PROVIDE NEW REFRIGERANT LINES FROM ACCU-6 TO IU-125. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN



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DLZ Indiana, LLC

01/30/2026

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PE 10100574
STATE OF
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PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL PIPING INSTALLATION PLAN - AREA A

DRAWING NUMBER
M3.3A
MECHANICAL

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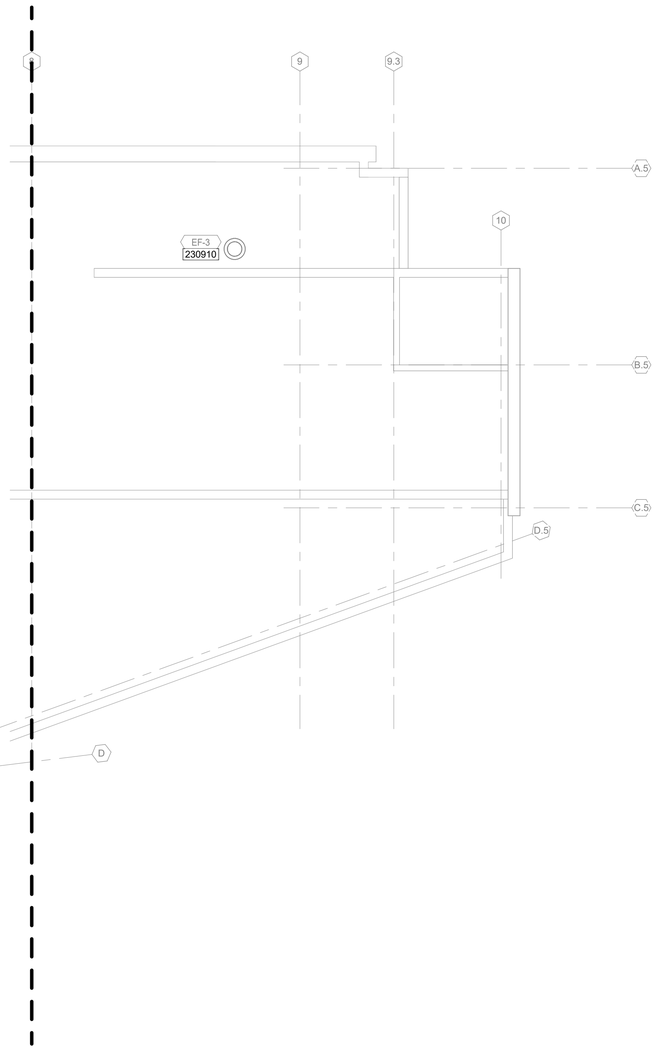

1 ROOF PIPING INSTALLATION PLAN - AREA B
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

230910	PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT EXISTING EXHAUST FAN TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

KEYPLAN

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026

JOSHUA R. APLING
REGISTERED
PE 11000274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF MECHANICAL PIPING INSTALLATION PLAN - AREA B

DRAWING NUMBER
M3.3B
MECHANICAL

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GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

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D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

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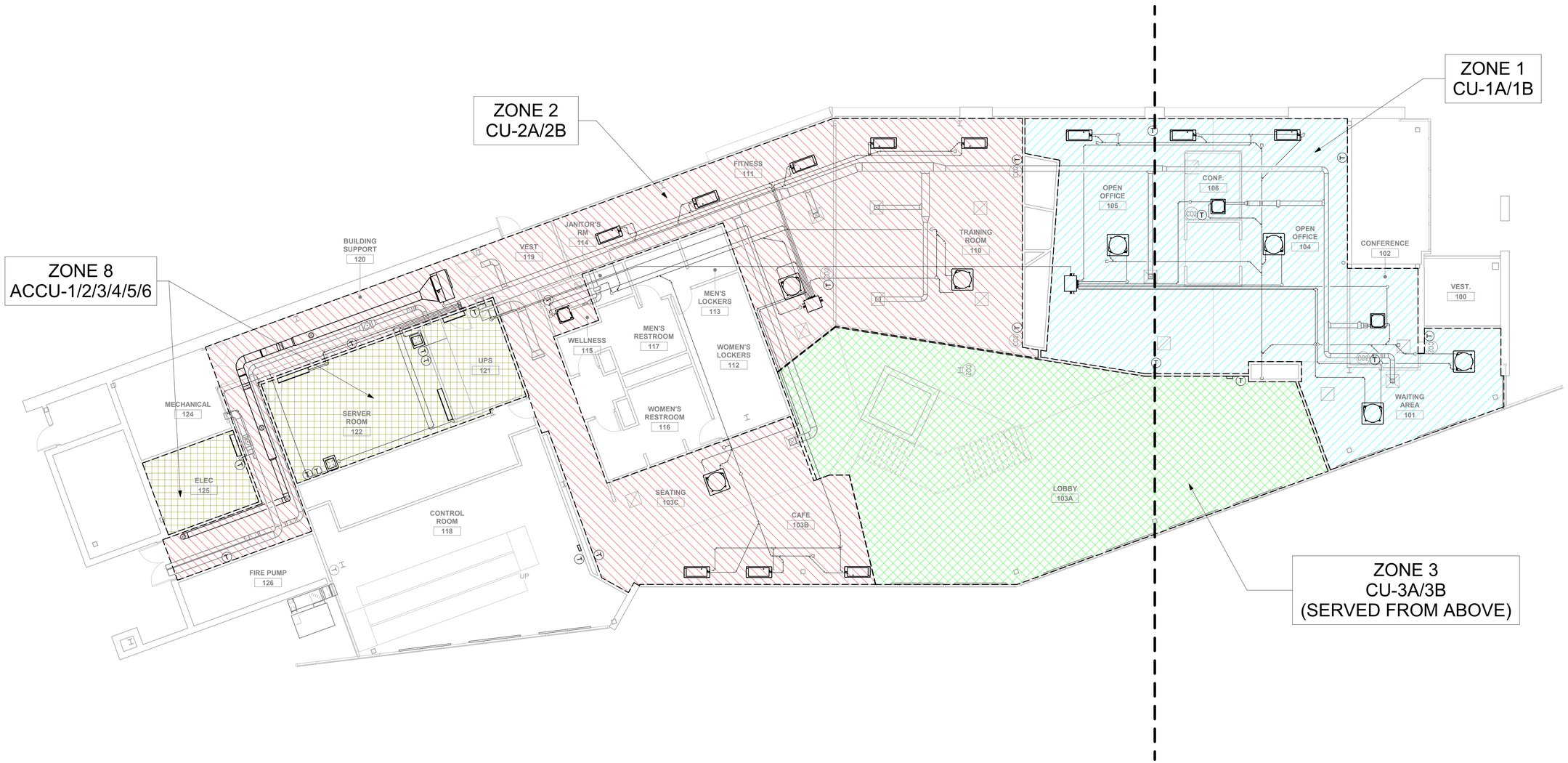

1 FIRST FLOOR VRF ZONING PLAN
SCALE: 1/8" = 1'-0"

NORTH

SCALE 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. ADLING REGISTERED PE 19900274 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR VRF ZONING PLAN

PRINT THIS DRAWING IN COLOR

DRAWING NUMBER M4.1 MECHANICAL

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GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

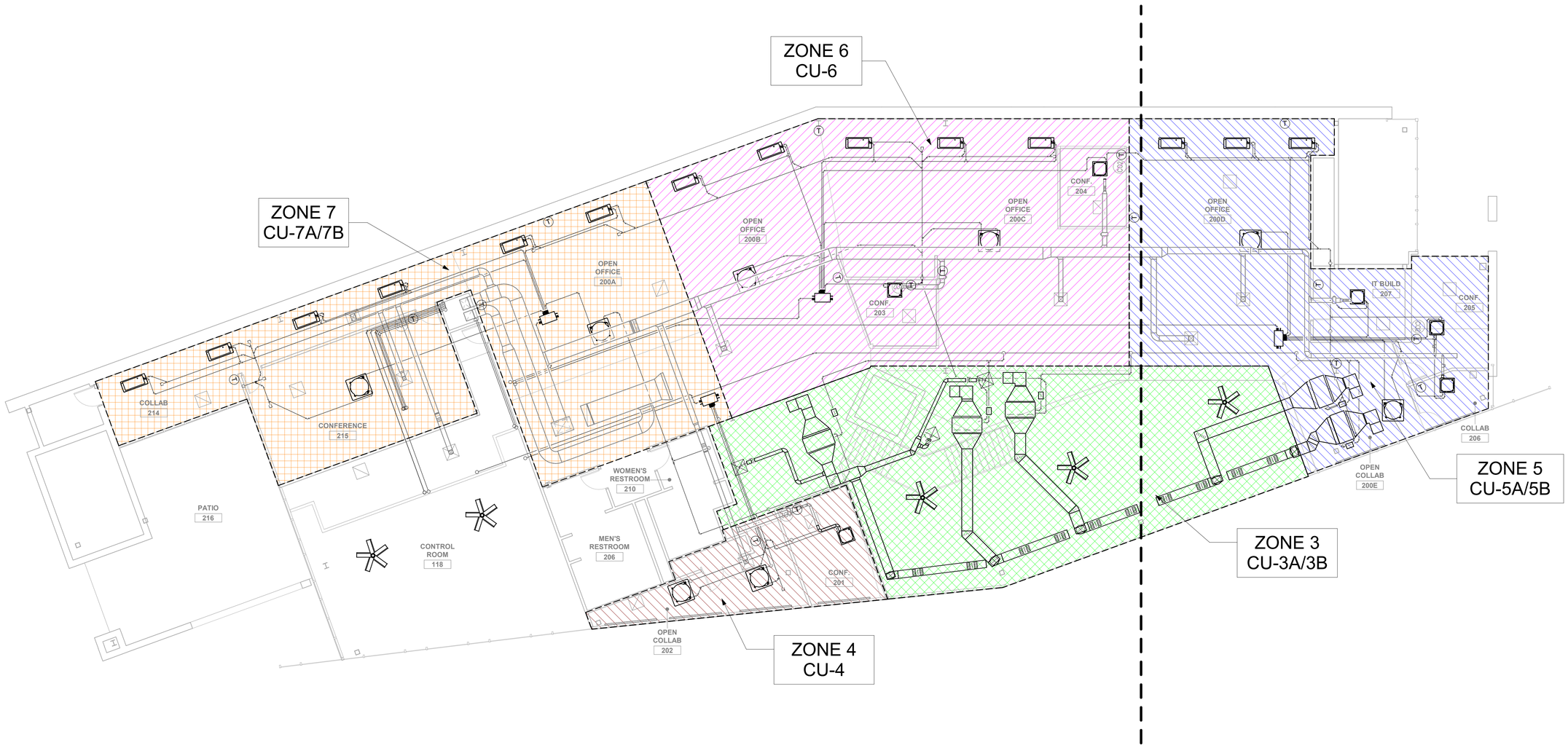
E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.



1 SECOND FLOOR VRF ZONING PLAN
SCALE: 1/8" = 1'-0"

NORTH

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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01/30/2026

JOSHUA R. APLING
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PE 11000274
STATE OF INDIANA
MECHANICAL
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR VRF ZONING PLAN

PRINT THIS DRAWING IN COLOR

DRAWING NUMBER: M4.2

MECHANICAL

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GENERAL NOTES

A. REFER TO DRAWINGS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE ADDITIONAL TRANSITIONS, ELBOWS, OFFSETS, AND FITTINGS AS REQUIRED.

C. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH THE STRUCTURAL TRADES.

D. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS.

E. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

F. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS.

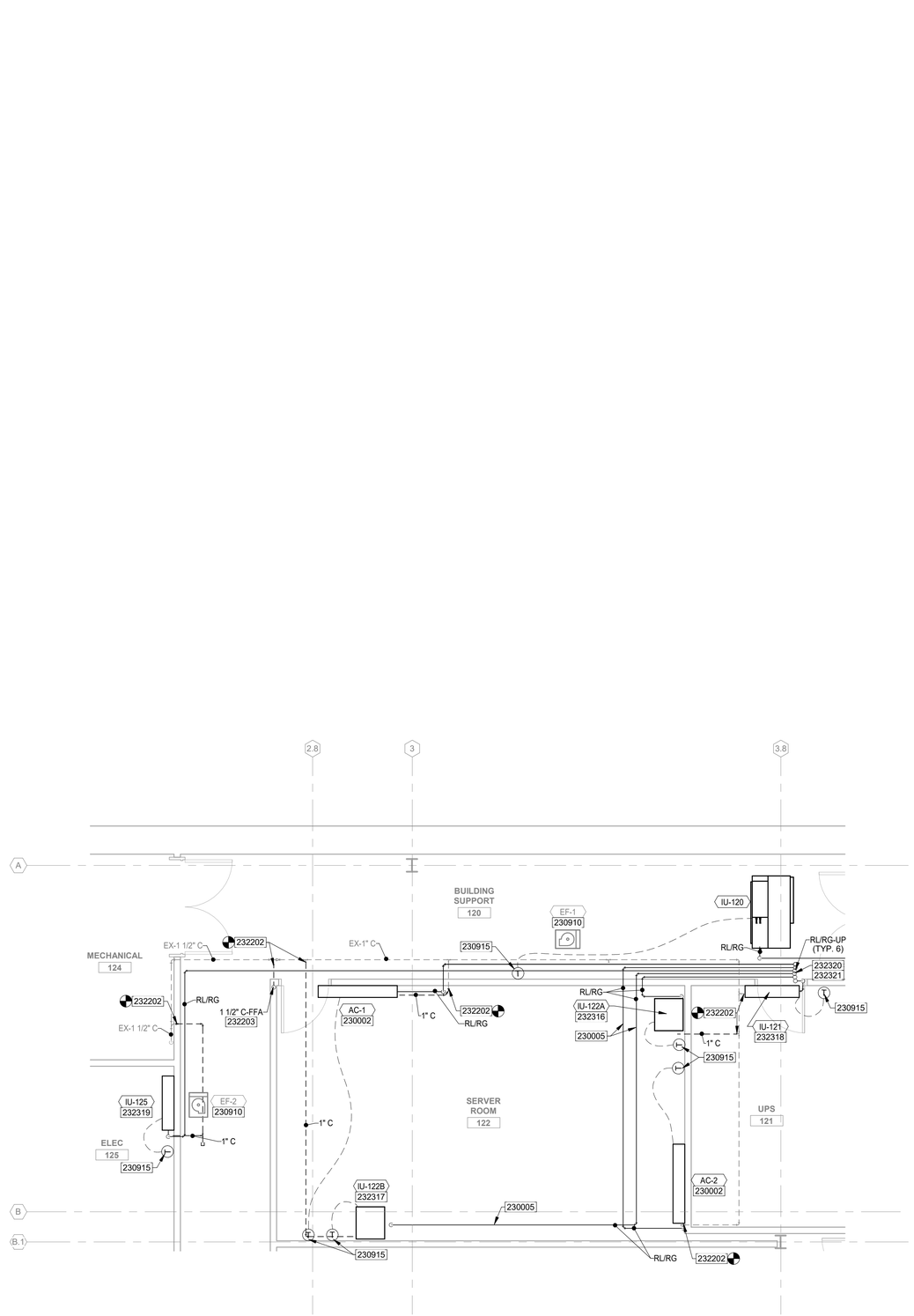
G. REFER TO DETAIL DRAWINGS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.

H. DEVIATIONS FROM BASIS OF DESIGN FOR NEW VRF EQUIPMENT IS PROHIBITED. DEVIATIONS FOR ALL OTHER EQUIPMENT THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR.

I. REFRIGERANT LINES SHOWN ON DRAWINGS REPRESENT A SCHEMATIC LAYOUT. CONTRACTOR TO INSTALL REFRIGERANT LINES PER MANUFACTURER REQUIREMENTS. REFER TO VRF DIAGRAMS ON DETAIL DRAWINGS.

KEYNOTES

230002	PROVIDE NEW REFRIGERANT LINES FROM ACCU UNIT TO ASSOCIATED AC UNIT. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS COORDINATE NEW UNIT LOCATION AND NEW REFRIGERANT/CONDENSATE PIPING WITH EXISTING SERVER EQUIPMENT
230005	PROVIDE NEW DRIP PAN FOR EXISTING REFRIGERANT PIPING CHANNEL FOR ANY PIPING RUNNING OVER EXISTING SERVER EQUIPMENT/WIRING
230910	PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT EXISTING EXHAUST FAN TO NEW BUILDING MANAGEMENT SYSTEM. COORDINATE WITH OWNER AND BMS MANUFACTURER FOR DESIRED INTERFACE
230915	INSTALL NEW THERMOSTAT AT LOCATION OF REMOVED THERMOSTAT. REUSE WIRE RACEWAY
232202	CONNECT NEW CONDENSATE PIPING TO EXISTING CONDENSATE MAIN
232203	REUSE EXISTING PENETRATION BETWEEN FLOORS FOR NEW CONDENSATE PIPING DOWN TO FIRST FLOOR
232316	PROVIDE NEW REFRIGERANT LINES FROM ACCU-3 TO IU-122A. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232317	PROVIDE NEW REFRIGERANT LINES FROM ACCU-4 TO IU-122B. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232318	PROVIDE NEW REFRIGERANT LINES FROM ACCU-5 TO IU-121. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232319	PROVIDE NEW REFRIGERANT LINES FROM ACCU-6 TO IU-125. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232320	REFRIGERANT LINES DOWN FROM ACCU-1, ACCU-2, ACCU-3, ACCU-4, ACCU-5, AND ACCU-6. INSTALL QUANTITY AND SIZES AS PER MANUFACTURER REQUIREMENTS. REFER TO DIAGRAMS ON DETAIL SHEETS
232321	ALL REFRIGERANT PIPING LOCATED IN FIRE-RATED SHAFT TO BE DOUBLE-WALLED PIPE. INNER PIPE TO COMPLY WITH SPECIFICATION SECTION 23 23 00. OUTER PIPE TO BE CONSTRUCTED OF SCHEDULE 40 PVC. INTERSTITIAL SPACE OF ALL DOUBLE-WALL PIPING SHALL BE VENTED TO THE OUTDOORS IN COMPLIANCE WITH ASHRAE 15 SECTION 9.7.8.2



1 ENLARGED SERVER ROOM PIPING INSTALLATION PLAN
SCALE: 1/4" = 1'-0"

NORTH

SCALE: 1/4" = 1'-0"
0 2' - 0" 4' - 0" 8' - 0"

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. ADLING
REGISTERED
PE 11000274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
DESIGNED: ZAH
APPRVD: JRA
CHK'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ENLARGED MECHANICAL PLANS

DRAWING NUMBER M4.3 MECHANICAL

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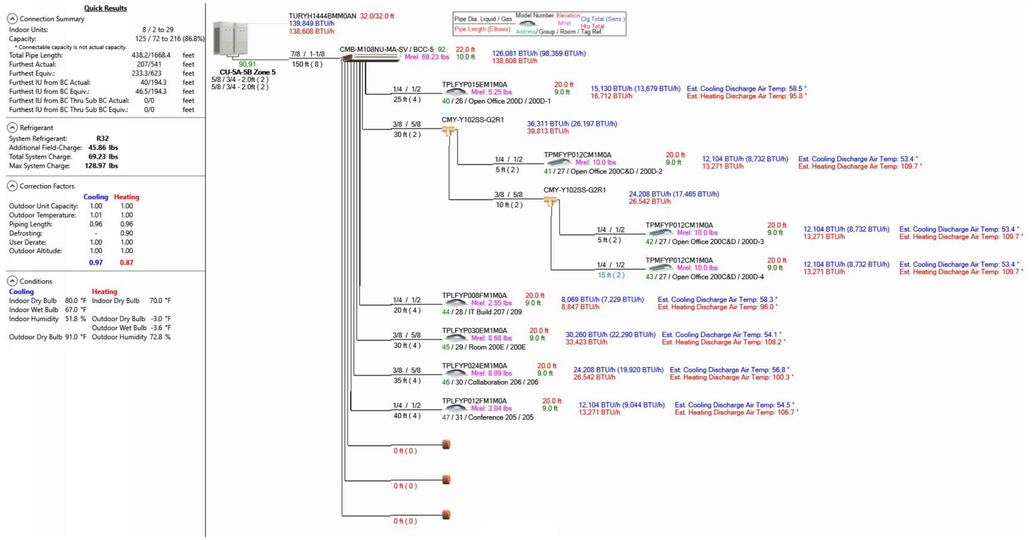
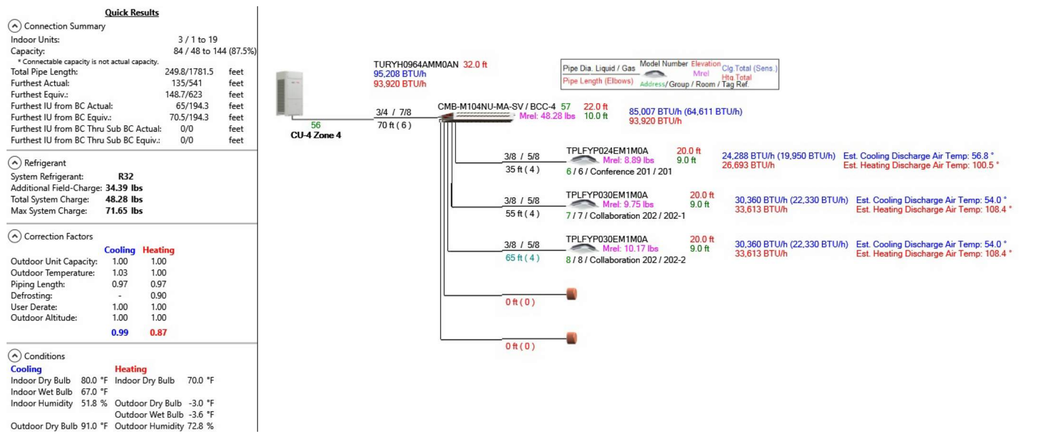


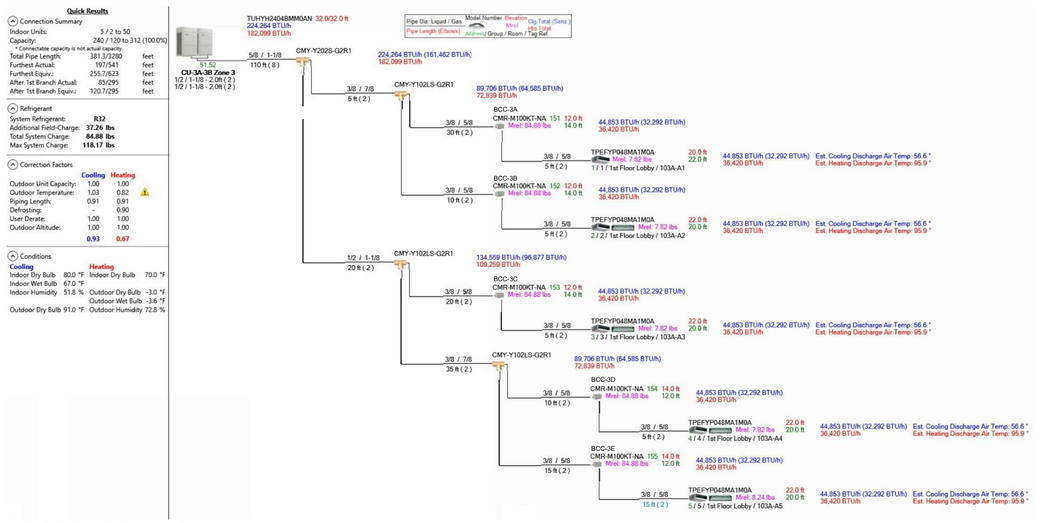
5 VRF PIPING DIAGRAM - CU-5A/5B

SCALE: N.T.S.



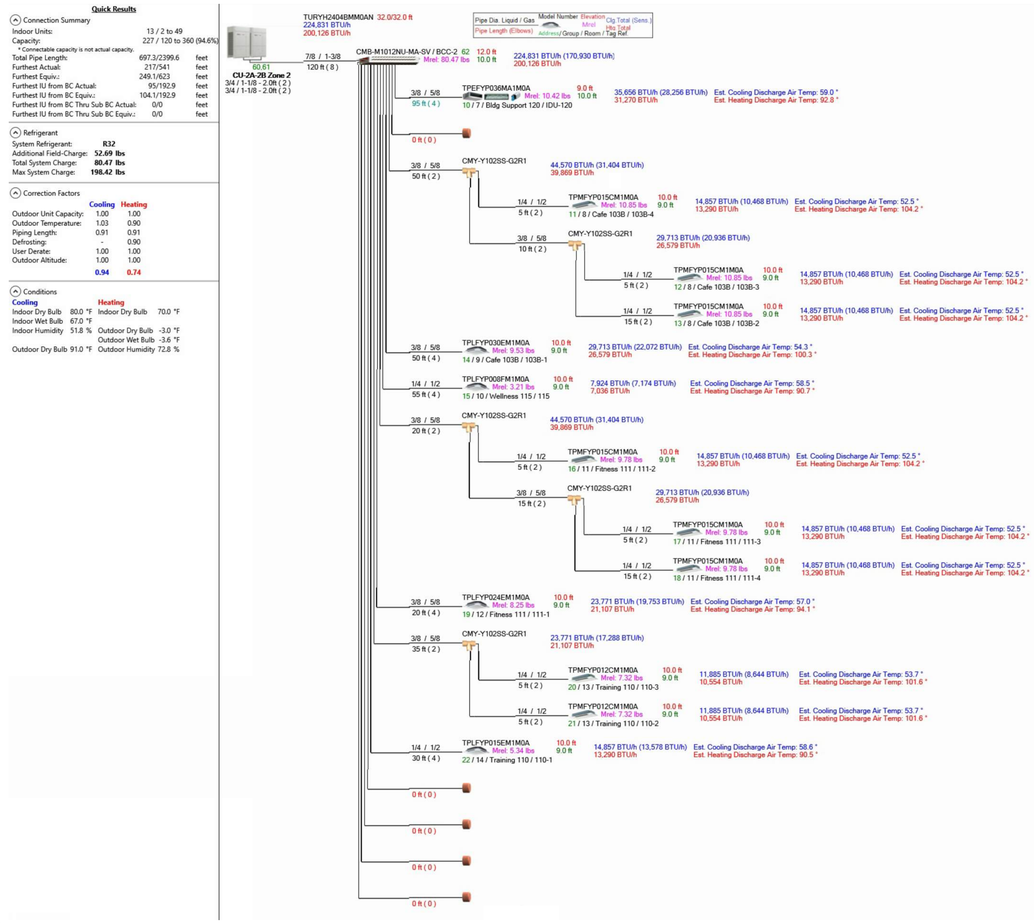
4 VRF PIPING DIAGRAM - CU-4

SCALE: N.T.S.



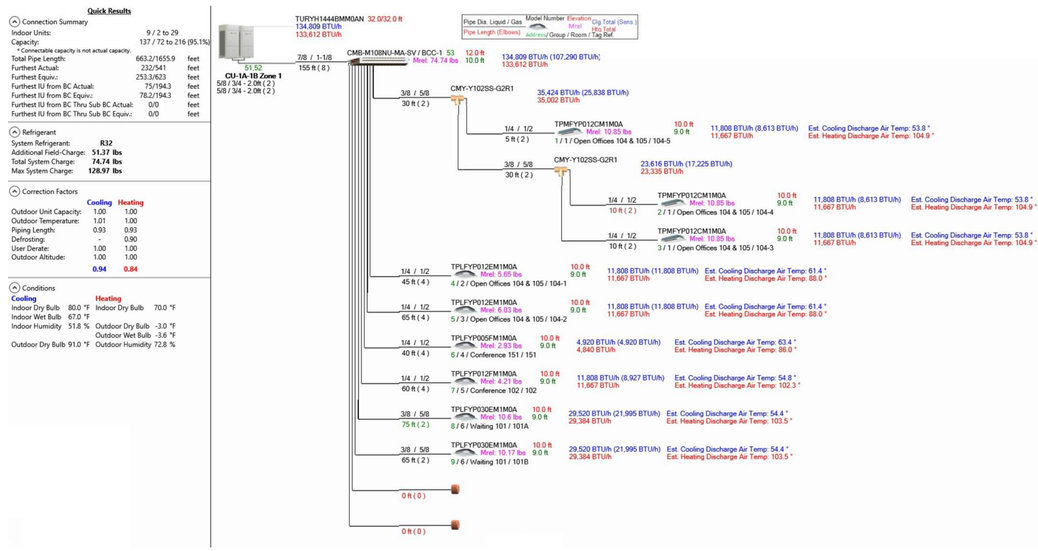
3 VRF PIPING DIAGRAM - CU-3A/3B

SCALE: N.T.S.



2 VRF PIPING DIAGRAM - CU-2A/2B

SCALE: N.T.S.



1 VRF PIPING DIAGRAM - CU-1A/1B

SCALE: N.T.S.

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. APLING
REGISTERED
PE 10100274
STATE OF INDIANA
PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH | APPR'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

MECHANICAL DETAILS - 1

DRAWING NUMBER: M5.1
MECHANICAL

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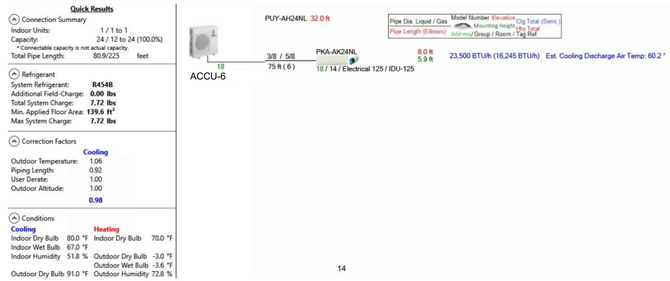
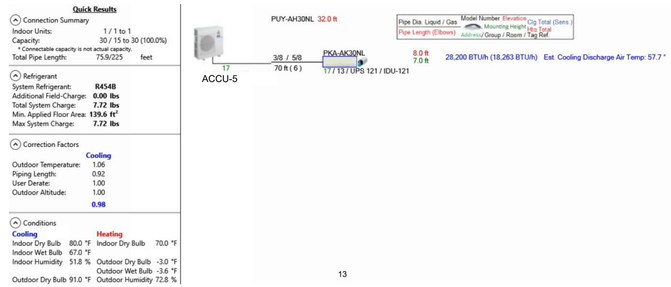
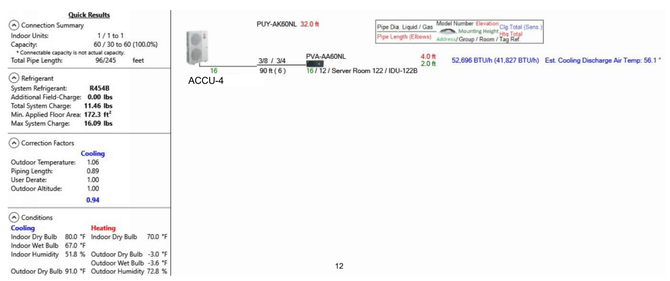


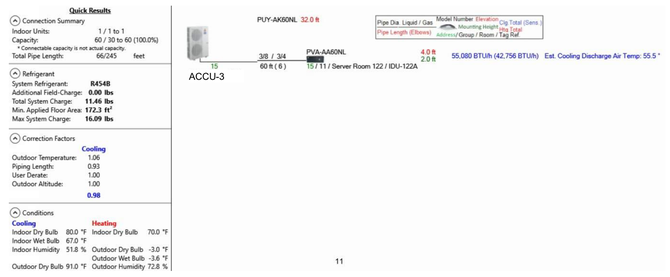
6 **VRF PIPING DIAGRAM - ACCU-6**
SCALE: N.T.S.



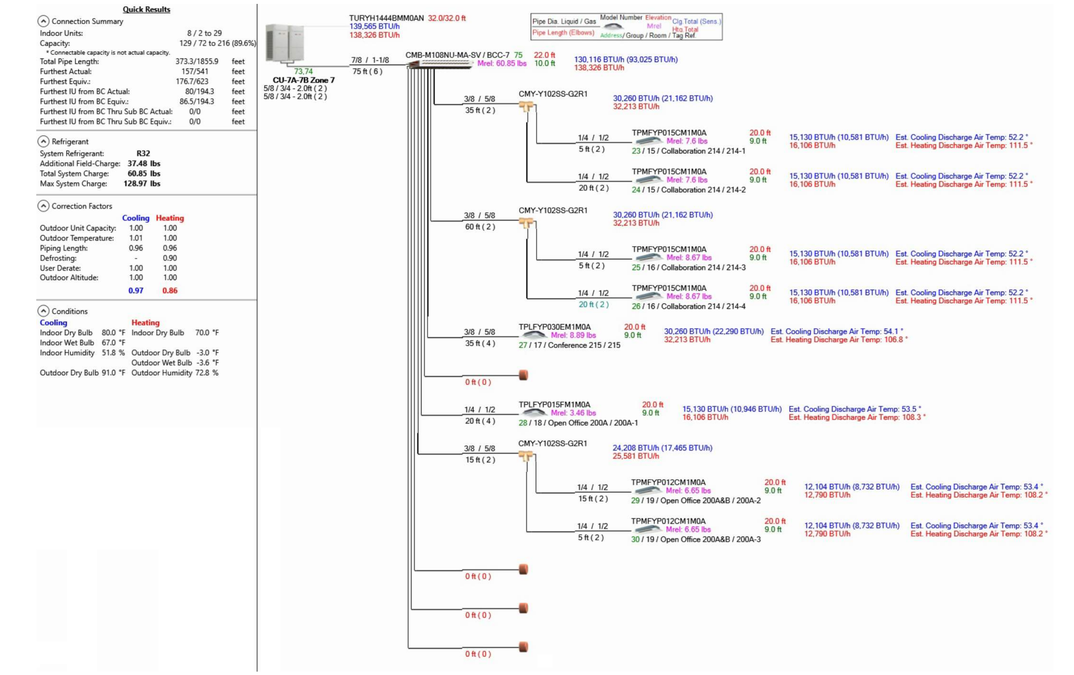
5 **VRF PIPING DIAGRAM - ACCU-5**
SCALE: N.T.S.



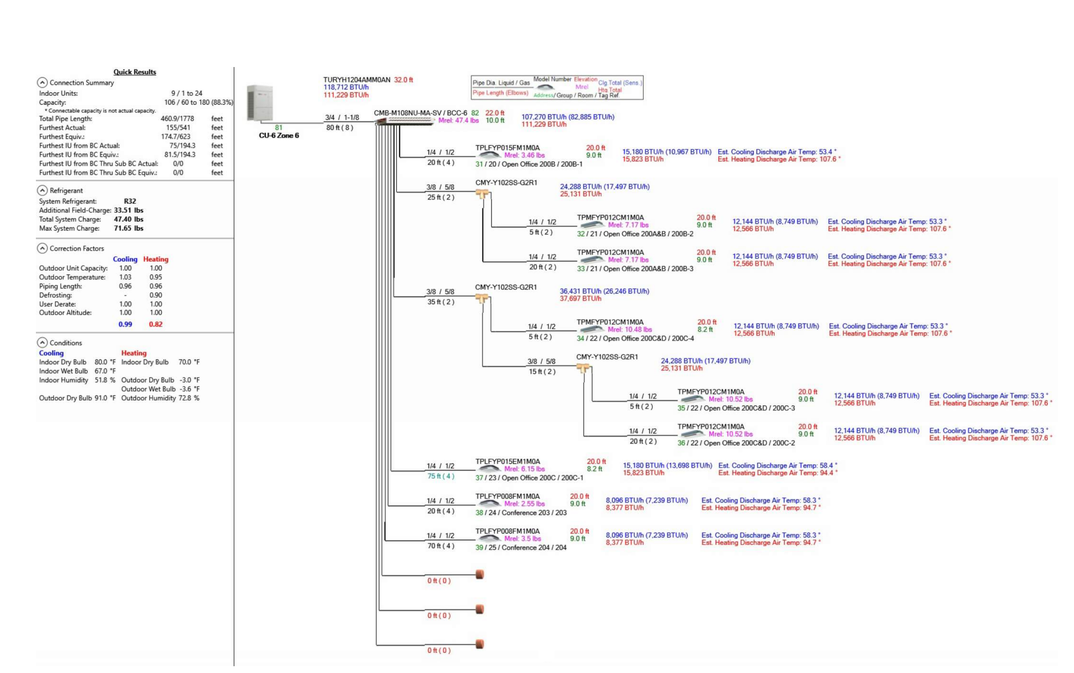
4 **VRF PIPING DIAGRAM - ACCU-4**
SCALE: N.T.S.



3 **VRF PIPING DIAGRAM - ACCU-3**
SCALE: N.T.S.



2 **VRF PIPING DIAGRAM - CU-7A/7B**
SCALE: N.T.S.



1 **VRF PIPING DIAGRAM - CU-6**
SCALE: N.T.S.

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DLZ Indiana, LLC

JOSHUA R. APLING
REGISTERED
PE HVAC/R
STATE OF
INDIANA
PROFESSIONAL ENGINEER
01/30/2026

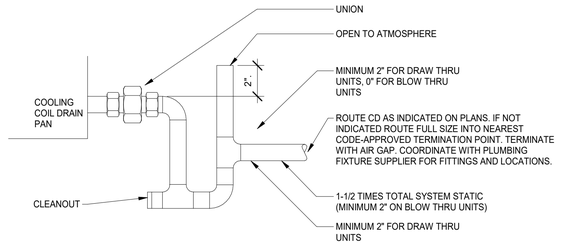
NO.	REVISION	DATE

DRAWN: ZAH
CHK'D: JRA
DESIGNED: ZAH
APPR'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

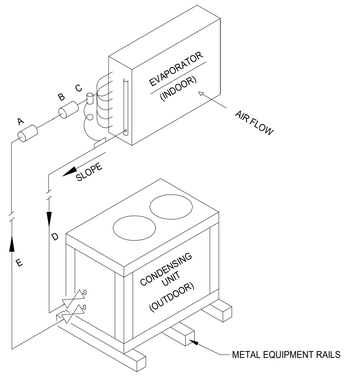
ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

MECHANICAL DETAILS - 2

DRAWING NUMBER M5.2
MECHANICAL



3 COOLING COIL DRAIN TRAP DETAIL
SCALE: N.T.S.



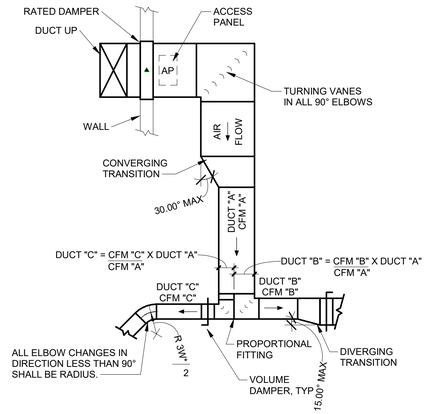
NOTES:

1. ALL PIPING AND PIPING COMPENENTS BY M.C.
2. PITCH ALL HORIZONTAL LINES A MINIMUM OF 1/2" IN 10 FT IN THE DIRECTION OF REFRIGERANT FLOW.
3. INSULATE ALL SUCTION LINES.
4. UNIT MANUFACTURER SHALL PROVIDE REFRIGERANT PIPING SCHEMATIC INCLUDING ALL LINES AND VALVE SIZES AND EXACT LINE ROUTING.

LEGEND:

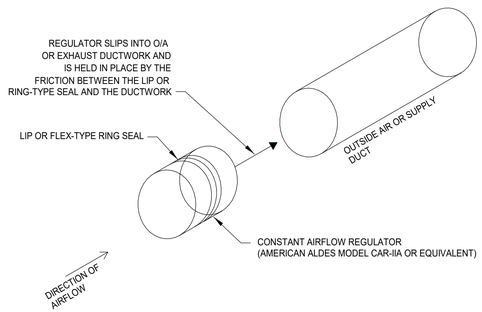
A. FILTER - DRIER
B. SIGHT GLASS / MOISTURE INDICATOR
C. THERMAL EXPANSION VALVE
D. SUCTION LINE, PITCH TOWARD COMPRESSOR
E. LIQUID LINE

5 CONDENSING UNIT DETAIL
SCALE: N.T.S.



* W = DUCT WIDTH

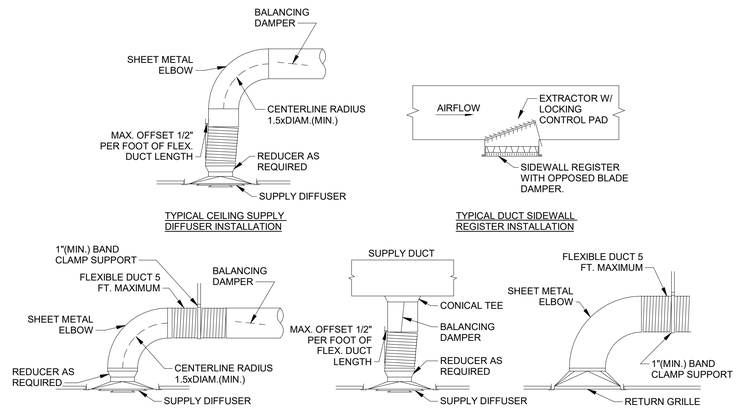
2 TYPICAL DUCTWORK DETAIL
SCALE: N.T.S.



NOTES:

1. CONSTANT AIRFLOW REGULATOR SHALL BE MODULATING ORIFICE THAT AUTOMATICALLY REGULATES AIRFLOW TO A CONSTANT LEVEL WITH A PASSIVE CONTROL ELEMENT THAT RESPONDS TO DUCT PRESSURE AND REQUIRES NO ELECTRIC OR PNEUMATIC CONTROLS OR SENSORS.
2. REGULATOR SHALL BE CONSTRUCTED OF ABS PLASTIC AND SHALL MEET FLAME AND SMOKE SPREAD GUIDELINES.
3. REGULATOR SHALL HAVE A LIP OR FLEX TYPE RING SEAL GASKET AROUND THE CIRCUMFERENCE THAT ENSURES A TIGHT, NO-LEAK FIT IN DUCTWORK.
4. REGULATOR SHALL REGULATE AIRFLOW TO +/-10% OF THE DESIGN AIRFLOW.
5. REGULATOR SHALL BE WARRANTED FOR A PERIOD OF 5 YEARS FROM THE SHIP DATE FOR DEFECTS IN MATERIAL OR WORKMANSHIP.
6. REGULATOR SHALL BE USED IN PLACE OF MANUAL BALANCE DAMPERS FOR AIR VOLUMES 50 CFM OR LESS.

4 CONSTANT VOLUME REGULATOR DETAIL
SCALE: N.T.S.



1 CEILING SUPPLY DIFFUSER AND RETURN GRILLE INSTALLATIONS
SCALE: N.T.S.

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. APLING REGISTERED PE 10100274 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH
CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

MECHANICAL DETAILS - 3

DRAWING NUMBER M5.3 MECHANICAL

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AIR COOLED CONDENSING UNIT SCHEDULE

TAG		MANUFACTURER	MODEL	TWINNED MODELS	EQUIPMENT SERVED	NOMINAL TONS	DESIGN AMBIENT TEMP. (°F)	IEER/ SEER	REF. TYPE	ELECTRICAL DATA					WEIGHT (LBS)	NOTES
										VOLTAGE	PHASE	FREQUENCY (HZ)	MCA	MOCP		
ACCU	1	TRANE/MITSUBISHI	PUY-AK36NL	-	AC-1	3.0	95	20.3	R454B	208	1	60	34	56	240	1,2,4,5,6
ACCU	2	TRANE/MITSUBISHI	PUY-AK36NL	-	AC-2	3.0	95	20.3	R454B	208	1	60	34	56	240	1,2,4,5,6
ACCU	3	TRANE/MITSUBISHI	PUY-AK60NL	-	IU-122A	5.0	95	18.3	R454B	208	1	60	38	67	280	1,2,4,5,6
ACCU	4	TRANE/MITSUBISHI	PUY-AK60NL	-	IU-122B	5.0	95	18.3	R454B	208	1	60	38	67	280	1,2,4,5,6
ACCU	5	TRANE/MITSUBISHI	PUY-AH30NL	-	IU-121	2.5	95	19.7	R454B	208	1	60	22	37	170	1,2,4,5,6
ACCU	6	TRANE/MITSUBISHI	PUY-AH24NL	-	IU-125	2.0	95	21.1	R454B	208	1	60	22	37	170	1,2,4,5,6
CU	1A/1B	TRANE/MITSUBISHI	TURYH1444BMM0AN	TURYH0724AMM0AN	BCC-1	12.0	95	21.8	R32	460	3	60	27	45	1,280	1,3,4,5,6,7
CU	2A/2B	TRANE/MITSUBISHI	TURYH2404BMM0AN	TURYH1204AMM0AN	BCC-2	20.0	95	21.6	R32	460	3	60	31	50	1,510	1,3,4,5,6,7
CU	3A/3B	TRANE/MITSUBISHI	TUHYH2404BMM0AN	TUHYH1204AMM0AN	BCC-3A,B,C,D,E	20.0	95	22.3	R32	460	3	60	31	50	1,510	1,3,4,5,6,7
CU	4	TRANE/MITSUBISHI	TURYH0964AMM0AN	-	BCC-4	8.0	95	21.8	R32	460	3	60	31	50	760	1,3,4,5,6
CU	5A/5B	TRANE/MITSUBISHI	TURYH1444BMM0AN	TURYH0724AMM0AN	BCC-5	12.0	95	21.8	R32	460	3	60	27	45	1,280	1,3,4,5,6,7
CU	6	TRANE/MITSUBISHI	TURYH1204AMM0AN	-	BCC-6	10.0	95	21.9	R32	460	3	60	31	50	760	1,3,4,5,6
CU	7A/7B	TRANE/MITSUBISHI	TURYH1444BMM0AN	TURYH0724AMM0AN	BCC-7	12.0	95	21.8	R32	460	3	60	27	45	1,280	1,3,4,5,6,7

NOTES:
1. FURNISH WITH INTEGRAL STARTER.
2. PROVIDE LOW AMBIENT KIT, SNOW/RAIN DIVERTER, HAIL GUARD AND WIND BAFFLE.
3. PROVIDE LOW AMBIENT KIT, SNOW GUARDS AND FIN GUARDS.
4. SIZE AND INSTALL REFRIGERANT LINES AS PER MANUFACTURER REQUIREMENTS.
5. PROVIDE AUTOMATIC SAFETY SHUTOFF VALVES AT SUCTION INLET AND DISCHARGE OUTLET OF EACH CONDENSING UNIT IN THE MODULE. CONTROLS SHALL BE PROVIDED TO ACTIVATE THE VALVES WHEN REFRIGERANT IS DETECTED AT INDOOR UNIT SERVED BY THE CONDENSING UNIT.
6. REFER TO SHEETS M5.1, M5.2, AND M5.3 FOR ADDITIONAL INFORMATION.
7. TWINNED CONDENSING UNITS. PROVIDE REQUIRED TRANE TWINNING KIT FOR ASSOCIATED CONDENSING UNIT SIZES.

VARIABLE REFRIGERANT FLOW SYSTEM INDOOR UNIT SCHEDULE

TAG		MANUF.	MODEL	ASSOCIATED BRANCH CONTROL BOX	CFM	COOLING DATA				HEATING DATA		ELECTRICAL			NOTES
						CAP (MBH)		E.A.T. (F) DB/WB	L.A.T. (F) DB	CAP (MBH)	E.A.T./L.A.T.	VOLT / PH.	MCA	MOCP	
						TOTAL	SENS								
IU	121	TRANE/MITSUBISHI	PKA-AK30NL	-	635	28.2	18.3	80.0/67.0	57.7	-	-	208/1	-	-	1,2,3,4,5,6,7,8,9
IU	122A	TRANE/MITSUBISHI	PVA-AA60NL	-	1,155	55.1	42.8	80.0/67.0	55.5	-	-	208/1	9.3	-	1,2,3,4,5,6,7,8,9
IU	122B	TRANE/MITSUBISHI	PVA-AA60NL	-	1,155	52.7	41.8	80.0/67.0	56.1	-	-	208/1	9.3	-	1,2,3,4,5,6,7,8,9
IU	125	TRANE/MITSUBISHI	PKA-AK24NL	-	635	23.5	16.2	80.0/67.0	60.2	-	-	208/1	-	-	1,2,3,4,5,6,7,8,9
IU	101A	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-1	636	29.5	22.0	80.0/67.0	54.4	29.4	70.0/103.5	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	101B	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-1	636	29.5	22.0	80.0/67.0	54.4	29.4	70.0/103.5	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	102	TRANE/MITSUBISHI	TPLFYP012FM1M0A	BCC-1	280	11.8	8.9	80.0/67.0	54.8	11.7	70.0/102.3	208/1	0.29	15	1,2,3,4,5,6,7,8,9
IU	104-1	TRANE/MITSUBISHI	TPLFYP012EM1M0A	BCC-1	530	11.8	11.8	80.0/67.0	61.4	11.7	70.0/88.0	208/1	0.39	15	1,2,3,4,5,6,7,8,9
IU	104-2	TRANE/MITSUBISHI	TPLFYP012EM1M0A	BCC-1	530	11.8	11.8	80.0/67.0	61.4	11.7	70.0/88.0	208/1	0.39	15	1,2,3,4,5,6,7,8,9
IU	104-3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-1	235	11.8	8.6	80.0/67.0	53.8	11.7	70.0/104.9	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	104-4	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-1	235	11.8	8.6	80.0/67.0	53.8	11.7	70.0/104.9	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	104-5	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-1	235	11.8	8.6	80.0/67.0	53.8	11.7	70.0/104.9	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	151	TRANE/MITSUBISHI	TPLFYP005FM1M0A	BCC-1	265	4.9	4.9	80.0/67.0	63.4	4.8	70.0/86.0	208/1	0.24	15	1,2,3,4,5,6,7,8,9
IU	103B1	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-2	636	29.7	22.1	80.0/67.0	54.3	26.6	70.0/100.3	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	103B2	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.8	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	103B3	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.8	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	103B4	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.8	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	110-1	TRANE/MITSUBISHI	TPLFYP015EM1M0A	BCC-2	530	14.9	13.6	80.0/67.0	58.6	13.3	70.0/90.5	208/1	0.39	15	1,2,3,4,5,6,7,8,9
IU	110-2	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-2	235	11.9	8.6	80.0/67.0	53.7	10.5	70.0/101.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	110-3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-2	235	11.9	8.6	80.0/67.0	53.7	10.5	70.0/101.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	111-1	TRANE/MITSUBISHI	TPLFYP024EM1M0A	BCC-2	636	23.7	19.8	80.0/67.0	57.0	21.1	70.0/94.1	208/1	0.54	15	1,2,3,4,5,6,7,8,9
IU	111-2	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.9	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	111-3	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.9	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	111-4	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-2	275	14.9	10.5	80.0/67.0	52.5	13.3	70.0/104.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	115	TRANE/MITSUBISHI	TPLFYP008FM1M0A	BCC-2	280	7.9	7.2	80.0/67.0	58.5	7.0	70.0/90.7	208/1	0.28	15	1,2,3,4,5,6,7,8,9
IU	120	TRANE/MITSUBISHI	TPEFYP036MA1M0A	BCC-2	795	35.7	28.3	80.0/67.0	59.0	31.3	70.0/92.8	208/1	3.13	15	1,2,3,4,5,6,7,8,9
IU	103A1	TRANE/MITSUBISHI	TPEFYP048MA1M0A	BCC-3A	1,110	44.9	32.3	80.0/67.0	56.6	36.4	70.0/95.9	208/1	3.38	15	1,2,3,4,5,6,7,8,9
IU	103A2	TRANE/MITSUBISHI	TPEFYP048MA1M0A	BCC-3B	1,110	44.9	32.3	80.0/67.0	56.6	36.4	70.0/95.9	208/1	3.38	15	1,2,3,4,5,6,7,8,9
IU	103A3	TRANE/MITSUBISHI	TPEFYP048MA1M0A	BCC-3C	1,110	44.9	32.3	80.0/67.0	56.6	36.4	70.0/95.9	208/1	3.38	15	1,2,3,4,5,6,7,8,9
IU	103A4	TRANE/MITSUBISHI	TPEFYP048MA1M0A	BCC-3D	1,110	44.9	32.3	80.0/67.0	56.6	36.4	70.0/95.9	208/1	3.38	15	1,2,3,4,5,6,7,8,9
IU	103A5	TRANE/MITSUBISHI	TPEFYP048MA1M0A	BCC-3E	1,110	44.9	32.3	80.0/67.0	56.6	36.4	70.0/95.9	208/1	3.38	15	1,2,3,4,5,6,7,8,9
IU	201	TRANE/MITSUBISHI	TPLFYP024EM1M0A	BCC-4	636	24.3	19.9	80.0/67.0	56.8	26.7	70.0/100.5	208/1	0.54	15	1,2,3,4,5,6,7,8,9
IU	202-1	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-4	795	30.4	22.3	80.0/67.0	54.0	33.6	70.0/108.4	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	202-2	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-4	795	30.4	22.3	80.0/67.0	54.0	33.6	70.0/108.4	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	200D1	TRANE/MITSUBISHI	TPLFYP015EM1M0A	BCC-5	530	15.1	13.7	80.0/67.0	58.5	16.7	70.0/95.8	208/1	0.39	15	1,2,3,4,5,6,7,8,9
IU	200D2	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-5	235	12.1	8.7	80.0/67.0	53.4	13.3	70.0/109.7	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200D3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-5	235	12.1	8.7	80.0/67.0	53.4	13.3	70.0/109.7	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200D4	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-5	235	12.1	8.7	80.0/67.0	53.4	13.3	70.0/109.7	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200E	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-5	795	30.3	22.3	80.0/67.0	54.1	33.4	70.0/108.2	208/1	0.56	15	1,2,3,4,5,6,7,8,9
IU	205	TRANE/MITSUBISHI	TPLFYP012FM1M0A	BCC-5	300	12.1	9.0	80.0/67.0	54.5	13.3	70.0/106.7	208/1	0.29	15	1,2,3,4,5,6,7,8,9
IU	206	TRANE/MITSUBISHI	TPLFYP024EM1M0A	BCC-5	636	24.2	19.9	80.0/67.0	56.8	26.5	70.0/100.3	208/1	0.54	15	1,2,3,4,5,6,7,8,9
IU	209	TRANE/MITSUBISHI	TPLFYP008FM1M0A	BCC-5	280	8.1	7.2	80.0/67.0	58.3	8.8	70.0/96.0	208/1	0.28	15	1,2,3,4,5,6,7,8,9
IU	200B1	TRANE/MITSUBISHI	TPLFYP015FM1M0A	BCC-6	390	15.2	10.9	80.0/67.0	53.4	15.8	70.0/107.6	208/1	0.35	15	1,2,3,4,5,6,7,8,9
IU	200B2	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-6	235	12.1	8.7	80.0/67.0	53.3	12.6	70.0/107.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200B3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-6	235	12.1	8.7	80.0/67.0	53.3	12.6	70.0/107.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200C1	TRANE/MITSUBISHI	TPLFYP015EM1M0A	BCC-6	530	15.2	13.7	80.0/67.0	58.4	15.8	70.0/94.4	208/1	0.39	15	1,2,3,4,5,6,7,8,9
IU	200C2	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-6	235	12.1	8.7	80.0/67.0	53.3	12.6	70.0/107.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200C3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-6	235	12.1	8.7	80.0/67.0	53.3	12.6	70.0/107.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200C4	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-6	235	12.1	8.7	80.0/67.0	53.3	12.6	70.0/107.6	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	203	TRANE/MITSUBISHI	TPLFYP008FM1M0A	BCC-6	280	8.1	7.2	80.0/67.0	58.3	8.4	70.0/94.7	208/1	0.28	15	1,2,3,4,5,6,7,8,9
IU	204	TRANE/MITSUBISHI	TPLFYP008FM1M0A	BCC-6	280	8.1	7.2	80.0/67.0	58.3	8.4	70.0/94.7	208/1	0.28	15	1,2,3,4,5,6,7,8,9
IU	200A1	TRANE/MITSUBISHI	TPLFYP015FM1M0A	BCC-7	390	15.1	10.9	80.0/67.0	53.5	16.1	70.0/108.3	208/1	0.35	15	1,2,3,4,5,6,7,8,9
IU	200A2	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-7	235	12.1	8.7	80.0/67.0	53.4	12.8	70.0/108.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	200A3	TRANE/MITSUBISHI	TPMFYP012CM1M0A	BCC-7	235	12.1	8.7	80.0/67.0	53.4	12.8	70.0/108.2	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	214-1	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-7	275	15.1	10.6	80.0/67.0	52.2	16.1	70.0/111.5	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	214-2	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-7	275	15.1	10.6	80.0/67.0	52.2	16.1	70.0/111.5	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	214-3	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-7	275	15.1	10.6	80.0/67.0	52.2	16.1	70.0/111.5	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	214-4	TRANE/MITSUBISHI	TPMFYP015CM1M0A	BCC-7	275	15.1	10.6	80.0/67.0	52.2	16.1	70.0/111.5	208/1	-	15	1,2,3,4,5,6,7,8,9
IU	215	TRANE/MITSUBISHI	TPLFYP030EM1M0A	BCC-7	795	30.3	22.3	80.0/67.0	54.1	32.2	70.0/106.8	208/1	0.56	15	1,2,3,4,5,6,7,8,9

NOTES:
1. FURNISH WITH INTEGRAL STARTER.
2. UNIT SHALL OPERATE BASED ON USER DEFINED SCHEDULE (ADJ.). OCCUPANT SHALL BE ABLE TO TURN THE SYSTEM ON AND OFF AT THE CENTRAL BMS SYSTEM.
3. UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP. PROVIDE CHECK VALVE ON CONDENSATE BRANCH TO EACH UNIT TO PREVENT BACKFLOW.
4. MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE VRF SYSTEM INCLUDING CONTROLS FOR VRF INDOOR UNITS, BRANCH CONTROLLERS ETC. SYSTEM SHALL BE PROVIDED WITH BACNET INTERFACE.
5. VRF UNIT SHALL BE ACCOMPANIED BY A THERMOSTAT AND GROUPED WITH OTHER UNITS AS INDICATED ON DRAWINGS. THERMOSTATS SHALL HAVE A DIGITAL DISPLAY WITH AT A MINIMUM INDICATING ROOM TEMPERATURE AND SETPOINT TEMPERATURE.
6. EACH VRF INDOOR UNIT SHALL BE PROVIDED WITH REFRIGERANT DETECTOR AT THE UNIT. REFRIGERANT DETECTOR SHALL BE FACTORY MOUNTED, INSTALLED AND CALIBRATED. FIELD CALIBRATION SHALL NOT BE PERMITTED. DETECTOR SHALL ALARM WHEN REFRIGERANT LEAKAGE CONCENTRATION EXCEEDS 25% OF LOWER FLAMMABILITY LIMIT OF THE REFRIGERANT AND COMPRESSOR ASSOCIATED WITH THE OUTDOOR CONDENSING UNIT (SERVING THE ZONE OF THE INDOOR VRF UNIT) SHALL BE SHUTDOWN. THE INDOOR UNITS SHALL CIRCULATE THE AIR AT FULL CFM.
7. VRF SYSTEM AND REFRIGERANT PIPING LAYOUT IS SCHEMATIC IN NATURE AND IS TO BE PROVIDED AS RECOMMENDED BY THE MANUFACTURER PROVIDING THE VRF SYSTEM BASED ON THE MANUFACTURER REQUIREMENTS.
8. PROVIDE OVERFLOW DETECTION FOR CONDENSATE LINES LOCATED OVER INACCESSIBLE CEILING.
9. REFER TO SHEETS M5.1, M5.2, AND M5.3 FOR ADDITIONAL INFORMATION.

AIR TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	CFM RANGE	PANEL SIZE (IN)	NECK SIZE (IN)	STYLE	INSTALLATION	FINISH	PRESSURE (IN.)	NC	THROW (FT)	NOTES
S3	PRICE	SPD	0-100	24X24	6	SQUARE PLAQUE DIFFUSER	CEILING	WHITE POWDER COAT	0.022	<20	5	1
S4	PRICE	HCD	0-600	10X18	-	HIGH CAPACITY DRUM LOUVER - 15° BLADE DEFLECTION	CEILING/EXPOSED DUCT	WHITE POWDER COAT	0.027	22	33	1,2
S5	PRICE	RCD	0-275	10" DIAMETER	10	ROUND CONE DIFFUSER	EXPOSED DUCT	WHITE POWDER COAT	0.016	<20	11	1

NOTES:
1. COORDINATE FINAL FINISH OF ALL DIFFUSERS, REGISTERS, AND GRILLES WITH OWNER AND ARCHITECT. CONTRACTOR TO INCLUDE FULL RANGE OF COLOR OPTIONS WITH SUBMITTAL.
2. PROVIDE FRONT OPERATED DAMPER.

CEILING FAN SCHEDULE

TAG		MANUFACTURER	MODEL	CFM	MOUNTING HEIGHT (A.F.F.)	ELECTRICAL DATA				WEIGHT (LBS)	NOTES
						VOLTAGE	PHASE	FLA	INPUT POWER (W)		
CF	1	GREENHECK	DC-5-4-MV	2,592	23'-8"	115	1	1.6	6.06	29	1,2,3,4,5,6
CF	2	GREENHECK	DC-5-4-MV	2,592	23'-8"	115	1	1.6	6.06	29	1,2,3,4,5,6
CF	3	GREENHECK	DC-5-4-MV	2,592	23'-8"	115	1	1.6	6.06	29	1,2,3,4,5,6
CF	4	GREENHECK	DC-5-5-MV	3,312	23'-8"	115	1	1.6	6.60	30	1,2,3,4,5,6
CF	5	GREENHECK	DC-5-5-MV	3,312	23'-8"	115	1	1.6	6.60	30	1,2,3,4,5,6

NOTES:
1. FURNISH WITH INTEGRAL STARTER.
2. PROVIDE ADVANCED TOUCHSCREEN CONTROL PANELS TO CONTROL FANS GROUPED AS INDICATED ON DRAWINGS. INSTALL MANUFACTURER PROVIDED CONTROL CABLING. CONNECT TO BUILDING MANAGEMENT SYSTEM.
3. PROVIDE WITH MANUFACTURER PROVIDED VFD DRIVE, EXTENDED DROP, AND MOUNTING KITS.
4. MOISTURE AND DUST RESISTANT.
5. COORDINATE WITH OWNER AND ARCHITECT TO PROVIDE DESIRED FINISH OPTION. CONTRACTOR TO INCLUDE FULL RANGE OF FINISH OPTIONS WITH SUBMITTAL.
6. INSTALLATION OF FAN TO COMPLY WITH NFPA-13 SECTION 19.2.7 REGARDING THE INSTALLATION OF HIGH VOLUME LOW SPEED (HVLS) FANS IN BUILDINGS EQUIPPED WITH SPRINKLERS.

BRANCH CONTROLLER BOX SCHEDULE

TAG		MANUFACTURER	MODEL	EQUIPMENT SERVED	ELECTRICAL DATA			NOTES
					VOLT/PH	MCA	MOCP	
BCC	1	TRANE/MITSUBISHI	CMB-M108NU-MA-SV	CU-1A/1B	208/1	0.13	15	1,2
BCC	2	TRANE/MITSUBISHI	CMB-M1012NU-MA-SV	CU-2A/2B	208/1	0.13	15	1,2
BCC	3A	TRANE/MITSUBISHI	CMR-M100KT-NA	CU-3A/3B	208/1	0.11	15	1,2
BCC	3B	TRANE/MITSUBISHI	CMR-M100KT-NA	CU-3A/3B	208/1	0.11	15	1,2
BCC	3C	TRANE/MITSUBISHI	CMR-M100KT-NA	CU-3A/3B	208/1	0.11	15	1,2
BCC	3D	TRANE/MITSUBISHI	CMR-M100KT-NA	CU-3A/3B	208/1	0.11	15	1,2
BCC	3E	TRANE/MITSUBISHI	CMR-M100KT-NA	CU-3A/3B	208/1	0.11	15	1,2
BCC	4	TRANE/MITSUBISHI	CMB-M104NU-MA-SV	CU-4	208/1	0.12	15	1,2
BCC	5	TRANE/MITSUBISHI	CMB-M108NU-MA-SV	CU-5A/5B	208/1	0.13	15	1,2
BCC	6	TRANE/MITSUBISHI	CMB-M108NU-MA-SV	CU-6	208/1	0.13	15	1,2
BCC	7	TRANE/MITSUBISHI	CMB-M108NU-MA-SV	CU-7A/7B	208/1	0.13	15	1,2

NOTES:
1. PROVIDE REFRIGERANT PIPING BETWEEN BCC AND CU INDICATED PER SCHEDULE. SIZE PER MANUFACTURER RECOMMENDATIONS.
2. REFER TO SHEETS M5.1, M5.2, AND M5.3 FOR ADDITIONAL INFORMATION.

DUCTLESS SPLIT INDOOR UNIT SCHEDULE

TAG		MANUFACTURER	MODEL	MAX AIRFLOW (CFM)	RATED COOLING CAPACITY (MBH)	ELECTRICAL DATA		NOTES
						VOLTAGE	PHASE	
AC	1	TRANE/MITSUBISHI	PKA-AK36NL	920	33.4	208	1	1,2,3,4,5,6
AC	2	TRANE/MITSUBISHI	PKA-AK36NL	920	33.4	208	1	1,2,3,4,5,6

NOTES:
1. FURNISH WITH INTEGRAL STARTER.
2. COORDINATE LOCATION OF UNIT WITH SERVER EQUIPMENT IN SPACE. MOUNT AT 8'-0" A.F.F.
3. UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP. PROVIDE CHECK VALVE ON CONDENSATE BRANCH TO EACH UNIT TO PREVENT BACKFLOW.
4. PROVIDE REFRIGERANT PIPING BETWEEN DUCTLESS SPLIT INDOOR UNIT AND ASSOCIATED OUTDOOR CONDENSING UNIT. SIZE AND INSTALL REFRIGERANT LINES AS INDICATED ON THE PLANS AND AS PER MANUFACTURER'S REQUIREMENTS.
5. PROVIDE WALL-MOUNTED THERMOSTAT WITH DIGITAL DISPLAY AND A MINIMUM INDICATING ROOM TEMPERATURE AND SETPOINT TEMPERATURE. CONNECT UNIT TO NEW BUILDING MANAGEMENT SYSTEM.
6. REFER TO SHEET M5.3 FOR ADDITIONAL INFORMATION.

EXISTING ELECTRIC FIN TUBE HEATER SCHEDULE

TAG		MANUFACTURER	MODEL	VOLTS	PHASE	HZ	WATTS	NO. OF ELEMENTS	NOTES
FTR	1	BERKO	CPLAM6625271-TR27	277	1	60	3,750	3	1
FTR	2	BERKO	CPLAM8250271-TR27	277	1	60	2,000	1	1
FTR	3	BERKO	CPLAM8564271-TR27	277	1	60	4,500	3	1
FTR	4	BERKO	CPLAM85375271-TR27	277	1	60	3,000	2	1

NOTES:
1. FOR REFERENCE ONLY. CONNECT EXISTING UNIT TO NEW BUILDING MANAGEMENT SYSTEM.

EXISTING CONSTANT FLOW REGULATOR SCHEDULE

TAG		BASED ON	AIRFLOW (CFM)	SIZE (IN)	NOTES
CFR	102	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	115	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	151	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	201	AMERICAN ALDES CAR-II	70	SEE PLANS	1
CFR	203	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	204	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	205	AMERICAN ALDES CAR-II	70	SEE PLANS	1
CFR	206	AMERICAN ALDES CAR-II	50	SEE PLANS	1
CFR	209	AMERICAN ALDES CAR-II	50	SEE PLANS	1

NOTES:
1. FOR REFERENCE ONLY. REBALANCE TO VALUE INDICATED FOR NEW INDOOR VRF UNIT.

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DLZ Indiana, LLC

01/30/2026
JOSHUA R. ADLING REGISTERED PE INDIANA STATE OF INDIANA PROFESSIONAL ENGINEER

DATE
REVISION
NO.

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH | APPR'VD: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

MECHANICAL EQUIPMENT SCHEDULES

DRAWING NUMBER M6.1
MECHANICAL

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POINTS LIST - MISCELLANEOUS MONITORING												
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	SPACE TEMPERATURE - SERVER ROOM 125		X							15 MIN	YES	
11	OUTDOOR AIR TEMPERATURE		X							15 MIN	YES	
12	OUTDOOR AIR RELATIVE HUMIDITY		X							15 MIN	YES	
13	OUTDOOR AIR CARBON DIOXIDE		X							15 MIN	YES	
21	NATURAL GAS CONSUMPTION				X					15 MIN	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												

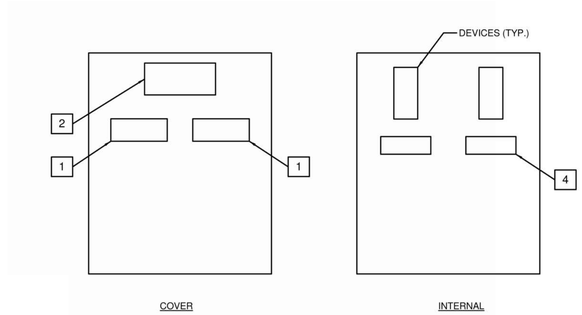
FOR REFERENCE ONLY

5 EXISTING MISCELLANEOUS MONITORING POINTS LIST - 2
SCALE: N.T.S.

POINTS LIST - MISCELLANEOUS MONITORING												
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	SPACE TEMPERATURE - SERVER ROOM 125		X							15 MIN	YES	
11	OUTDOOR AIR TEMPERATURE		X							15 MIN	YES	
12	OUTDOOR AIR RELATIVE HUMIDITY		X							15 MIN	YES	
13	OUTDOOR AIR CARBON DIOXIDE		X							15 MIN	YES	
21	NATURAL GAS CONSUMPTION				X					15 MIN	YES	
31	LIGHTING SCHEDULE #1								X	COV	YES	THRU INTERFACE
32	LIGHTING SCHEDULE #2								X	COV	YES	THRU INTERFACE
33	LIGHTING SCHEDULE #3								X	COV	YES	THRU INTERFACE
34	LIGHTING SCHEDULE #4								X	COV	YES	THRU INTERFACE
35	LIGHTING SCHEDULE #5								X	COV	YES	THRU INTERFACE
36	LIGHTING SCHEDULE #6								X	COV	YES	THRU INTERFACE
37	LIGHTING SCHEDULE #7								X	COV	YES	THRU INTERFACE
37	LIGHTING SCHEDULE #8								X	COV	YES	THRU INTERFACE
41	ELECITRCAL POWER METERING - MDP-1							X		COV	YES	THRU INTERFACE
42	ELECITRCAL POWER METERING - RP-1C							X		COV	YES	THRU INTERFACE
43	ELECITRCAL POWER METERING - LP-1							X		COV	YES	THRU INTERFACE
44	ELECITRCAL POWER METERING - HP-1							X		COV	YES	THRU INTERFACE
45	ELECITRCAL POWER METERING - HP-2							X		COV	YES	THRU INTERFACE
46	ELECITRCAL POWER METERING - MP-1							X		COV	YES	THRU INTERFACE
47	ELECITRCAL POWER METERING - RP-2C							X		COV	YES	THRU INTERFACE
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												

FOR REFERENCE ONLY

4 EXISTING MISCELLANEOUS MONITORING POINTS LIST - 1
SCALE: N.T.S.



KEYED NOTES

1. ALL CONTROLLERS SHALL BE IDENTIFIED BY A PLASTIC ENGRAVED NAMEPLATE SECURELY FASTENED TO THE OUTSIDE OF THE CONTROLLER ENCLOSURE.

SYSTEM SERVED
NODE #

2. ALL LOCAL CONTROL PANELS SHALL BE IDENTIFIED BY A PLASTIC ENGRAVED NAMEPLATE SECURELY FASTENED TO THE OUTSIDE OF THE CONTROLLER ENCLOSURE.

PANEL #
CIRCUIT # & ROOM
(OF POWER SOURCE)

3. ALL FIELD DEVICES SHALL BE IDENTIFIED BY A TYPED (NOT HANDWRITTEN) SECURELY ATTACHED TAG LABEL.

4. ALL PANEL DEVICES SHALL BE IDENTIFIED BY A TYPED LABEL SECURELY FASTENED TO THE BACK PLATE OF THE LOCAL CONTROL PANEL.

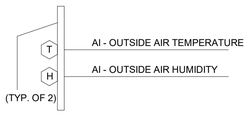
DEVICE NAME
POINT #/ADDRESS

5. ALL THE COVERS TO THE JUNCTION AND PULL BOXES OF THE CONTROL SYSTEM RACEWAYS SHALL BE PAINTED BLUE OR HAVE IDENTIFICATION LABELS STATING "CONTROL SYSTEM WIRING" AFFIXED TO THE COVERS. LABELS SHALL BE TYPED, NOT HAND WRITTEN.

6. ALL LOW AND LINE VOLTAGE CONTROL WIRING SHALL BE IDENTIFIED BY A NUMBER, AS REFERENCED TO THE ASSOCIATED CONTROL DIAGRAM, AT EACH END OF THE CONDUCTOR OR CABLE. IDENTIFICATION NUMBER SHALL BE PERMANENTLY SECURED TO THE CONDUCTOR OR CABLE AND SHALL BE TYPED.

FOR REFERENCE ONLY

3 EXISTING ELCTRICAL CONTROL PANEL SCHEMATIC
SCALE: N.T.S.



1) OUTSIDE AIR CONDITIONS:

THE CONTROLLER SHALL MONITOR THE OUTSIDE AIR TEMPERATURE AND HUMIDITY AND CALCULATE THE OUTSIDE AIR ENTHALPY ON A CONTINUAL BASIS. THESE VALUES SHALL BE MADE AVAILABLE TO THE SYSTEM AT ALL TIMES.

A) ALARM SHALL BE GENERATED AS FOLLOWS:

I) SENSOR FAILURE: SENSOR READING INDICATES SHORTED OR DISCONNECTED SENSOR. IN THE EVENT OF A SENSOR FAILURE, AN ALTERNATE OUTSIDE AIR CONDITION SENSOR SHALL BE MADE AVAILABLE TO THE SYSTEM WITHOUT INTERRUPTION IN SENSOR READINGS.

II) IF AN OUTSIDE AIR TEMPERATURE SENSOR CANNOT BE READ, LAST KNOWN OUTSIDE AIR TEMPERATURE SHALL BE USED AS A DEFAULT VALUE.

III)IF AN OUTSIDE AIR HUMIDITY SENSOR CANNOT BE READ, A DEFAULT VALUE OF 50% WILL BE USED.

2) OUTSIDE AIR TEMPERATURE HISTORY:

THE CONTROLLER SHALL MONITOR AND RECORD THE HIGH AND LOW TEMPERATURE READINGS FOR THE OUTSIDE AIR. THESE READINGS SHALL BE RECORDED ON A DAILY, MONTHLY, AND YEARLY BASIS.

2 OUTSIDE AIR CONDITIONS CONTROL SCHEMATIC
SCALE: N.T.S.

1) VRF SYSTEM:
INTERFACE NEW VRF SYSTEM CONTROLLERS WITH NEW BUILDING MANAGEMENT SYSTEM TO MONITOR TEMPERATURES IN THE EACH OF THE ROOMS AND OTHER MANUFACTURER PROVIDED POINTS. VRF SYSTEM SHALL BE PROVIDED WITH MANUFACTURER PROVIDED AND INSTALLED REFRIGERANT MITIGATION SYSTEM.

2) DEDICATED OUTSIDE AIR (DOAS) UNIT:
INTERFACE DOAS MANUFACTURER PROVIDED CONTROLS WITH NEW BUILDING MANAGEMENT SYSTEM. PROVIDE NEW CONTROLLERS AS NEEDED TO CONNECT DOAS UNIT WITH NEW REFRIGERANT DETECTION DEVICES. DOAS TO RUN WHENEVER A REFRIGERANT GAS LEAK IS DETECTED.

3) "TMC" AREA AIR HANDLING UNIT (AHU):
INTERFACE PACKAGED AHU MANUFACTURER PROVIDED CONTROLS WITH NEW BUILDING MANAGEMENT SYSTEM.

4) DUCTLESS/DUCTED SPLIT UNITS:
MONITOR TEMPERATURE IN EACH OF THE ROOMS SERVED BY DUCTLESS/DUCTED SPLIT UNITS. PROVIDE ALARMS IF TEMPERATURE RISES ABOVE 85 F (ADJ.). CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPERATURE SENSORS WITH THERMOSTATS IF THERMOSTATS PROVIDED CANNOT BE INTERFACED WITH NEW BUILDING MANAGEMENT SYSTEM.

5) CEILING FANS
INTERFACE MANUFACTURER PROVIDED POINTS FROM ADVANCED TOUCH SCREEN CONTROLS WITH NEW BUILDING MANAGEMENT SYSTEM.

6) ELECTRIC FIN TUBE HEATERS
NEW THERMOSTATS SHALL BE PROVIDED TO INTERFACE EXISTING FIN TUBE HEATERS TO NEW BUILDING MANAGEMENT SYSTEM.

7) EXHAUST FANS
PROVIDE NEW CONTROLLERS AS NEEDED TO INTERFACE EXISTING EXHAUST FANS TO NEW BUILDING MANAGEMENT SYSTEM.

8) ELECTRICAL PANELS/TRANSFER SWITCH
INTERFACE EXISTING POWER MONITORS FOR PANELS HP-1, LP-1, RDP-1, RP-1C, AND RR-2C AS WELL AS THE EXISTING TRANSFER SWITCH TO NEW BUILDING MANAGEMENT SYSTEM.

9) NATURAL GAS METER
INTERFACE EXISTING MONITORING DEVICE FOR EXISTING NATURAL GAS METER TO NEW BUILDING MANAGEMENT SYSTEM.

1 MISCELLANEOUS MONITORING POINTS
SCALE: N.T.S.

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DLZ Indiana, LLC

01/30/2026

JOSHUA R. ADLING — REGISTERED — PE 11000274 — STATE OF INDIANA — PROFESSIONAL ENGINEER

NO.	REVISION	DATE

DRAWN: ZAH | CHK'D: JRA
DESIGNED: ZAH
APPRV'D: JRA
DATE: JANUARY 30, 2026
PROJECT NUMBER: 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

CONTROL SCHEMATICS - 1

DRAWING NUMBER: M7.1
MECHANICAL

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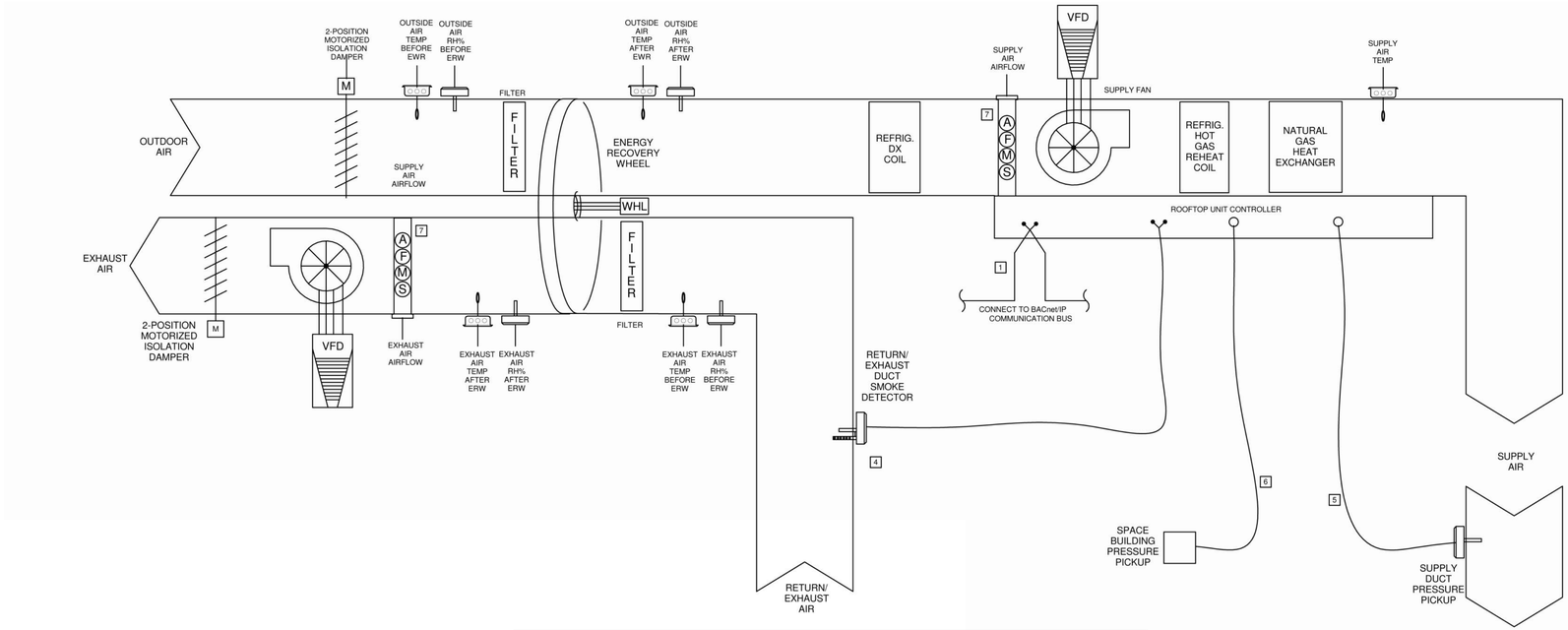

FOR REFERENCE ONLY*

*EXCEPT AS INDICATED FOR NEW SCOPE OF WORK

POINTS LIST - DEDICATED OUTDOOR AIR ROOFTOP UNIT (W-ENERGY RECOVERY)

POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
	UNIT ENABLE					X			X	COV	YES	
	LVG. AIR TEMP SETPOINT (NON-DEHUMIDIFICATION MODE)					65°F - 70°F			X	15 MIN	YES	
	SUPPLY AIR DUCT PRESSURE SETPOINT					X			X	15 MIN	YES	
	BUILDING PRESSURE SETPOINT					X			X	15 MIN	YES	
	DX COIL LVG. AIR TEMP SETPOINT (DEHUMIDIFICATION MODE)					48°F - 52°F			X	COV	YES	
	LVG. AIR TEMP SETPOINT (DEHUMIDIFICATION MODE)					65°F - 70°F			X	COV	YES	
	UNIT GENERAL ALARM							X		COV	YES	
	SUPPLY FAN RUN STATUS							X		15 MIN	YES	
	SUPPLY FAN SPEED							X		COV	YES	
	EXHAUST FAN RUN STATUS							X		COV	YES	
	EXHAUST FAN SPEED							X		15 MIN	YES	
	DX COOLING STAGE-1 STATUS							X		COV	YES	
	DX COOLING STAGE-2 STATUS							X		COV	YES	
	GAS HEATING STATUS							X		COV	YES	
	GAS HEATING MODULATION PERCENT							x		15 MIN	YES	
	ENERGY RECOVERY WHEEL STATUS							X		COV	YES	
	OUTDOOR / SUPPLY AIR AIRFLOW							X		5 MIN	YES	
	OUTDOOR / SUPPLY AIR TEMP - BEFORE WHEEL							X		5 MIN	YES	
	OUTDOOR /SUPPLY AIR RH% - BEFORE WHEEL							X		5 MIN	YES	
	OUTDOOR / SUPPLY AIR TEMP - AFTER WHEEL							X		5 MIN	YES	
	OUTDOOR / SUPPLY AIR RH% - AFTER WHEEL							X		5 MIN	YES	
	RETURN / EXHAUST AIR AIRFLOW							X		5 MIN	YES	
	RETURN / EXHAUST SUPPLY AIR TEMP - BEFORE WHEEL							X		5 MIN	YES	
	RETURN / EXHAUST AIR RH% - BEFORE WHEEL							X		5 MIN	YES	
	RETURN / EXHAUST AIR TEMP - AFTER WHEEL							X		5 MIN	YES	
	RETURN / EXHAUST AIR RH% - AFTER WHEEL							X		5 MIN	YES	
	SUPPLY AIR TEMPERATURE							X		5 MIN	YES	
	SUPPLY AIR DUCT STATIC PRESSURE							X		5 MIN	YES	
	BUILDING PRESSURE							X		5 MIN	YES	
	RETURN / EXHAUST AIR SMOKE DETECTOR							X		COV	YES	

NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.

KEYED NOTES - THIS PAGE

NEW CONTROL SCOPE OF WORK:

DOAS UNIT SHALL BE COMMANDED 'ON' WHEN ANY VRF UNIT REFRIGERANT LEAK DETECTOR IS ACTIVATED.

1. BAS INTERFACE TO ROOFTOP UNIT: THE BAS SHALL PROVIDE OCCUPIED/UNOCCUPIED COMMAND AND SETPOINT VALUES TO ROOFTOP UNIT CONTROLLER. THESE COMMANDS AND SETPOINTS SHALL BE TRANSMITTED VIA PROTOCOL INTERFACE.
2. ROOFTOP UNIT GENERAL ALARM AND ALARM REGISTRY: THE BAS SHALL RECEIVE DETAILED ALARMS THROUGH THE PROTOCOL INTERFACE TO THE BAS.
3. ROOFTOP UNIT INTERNAL CONTROLS: POINTS THAT ARE CONTROLLED INTERNALLY THROUGH THE ROOFTOP UNIT MICROPROCESSOR CONTROLLER. THESE POINTS SHALL BE MADE VISIBLE AT THE BAS WORKSTATION VIA PROTOCOL INTERFACE.
4. SMOKE DETECTORS: SMOKE DETECTORS ARE FACTORY FURNISHED AND INSTALLED BY ROOFTOP UNIT MANUFACTURER.
5. SUPPLY DUCT PRESSURE: THE SUPPLY DUCT PRESSURE TRANSDUCER IS FACTORY INSTALLED IN THE ROOFTOP UNIT. PROVIDE POLYTUBING PER THE MANUFACTURER'S RECOMMENDATION FROM ROOFTOP UNIT TO SUPPLY DUCT STATIC PRESSURE PICK UP AND INSTALL PICKUP IN SUPPLY DUCT.
6. BUILDING PRESSURE: THE BUILDING PRESSURE TRANSDUCER IS FACTORY INSTALLED IN THE ROOFTOP UNIT. PROVIDE POLYTUBING PER THE MANUFACTURER'S RECOMMENDATION FROM ROOFTOP UNIT TO BUILDING STATIC PRESSURE PICK UP AND INSTALL IN LOCATION INDICATED ON DRAWINGS.
7. OUTDOOR AIR AIRFLOW MEASURING STATION: OUTDOOR AIR AIRFLOW MEASURING STATION IS FACTORY FURNISHED AND INSTALLED BY ROOFTOP UNIT MANUFACTURER.
8. OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSORS: OUTDOOR AIR TEMPERATURE AND RELATIVE HUMIDITY SENSORS ARE PROVIDED WITH ROOFTOP UNIT AND SHALL BE FIELD INSTALLED IN UNIT'S OUTDOOR AIR HOOD AND WIRED BACK TO UNIT CONTROLLER.

1 **EXISTING DOAS-1 CONTROL SCHEMATIC**
SCALE: N.T.S.

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

01/30/2026
JOSHUA R. APLING REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA PE 11000274

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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

CONTROL SCHEMATICS - 2

DRAWING NUMBER M7.2 MECHANICAL

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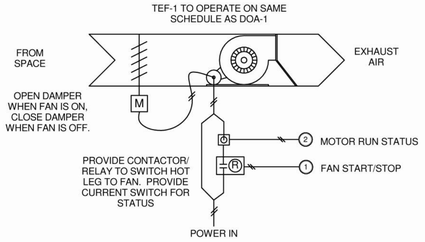
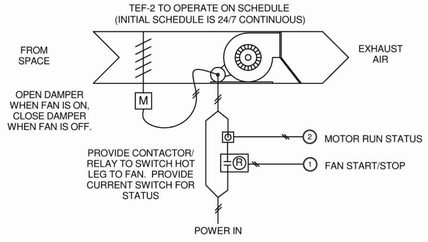


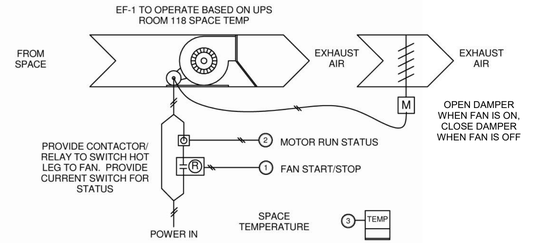
1 TEF-1 - TOILET EXHAUST FAN CONTROLS

POINTS LIST - TEF-1 EXHAUST FAN													
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EXHAUST FAN START/STOP			X						COV	YES	
2	EXHAUST FAN MOTOR RUN STATUS	X								COV	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												



1 TEF-2 - TOILET EXHAUST FAN CONTROLS

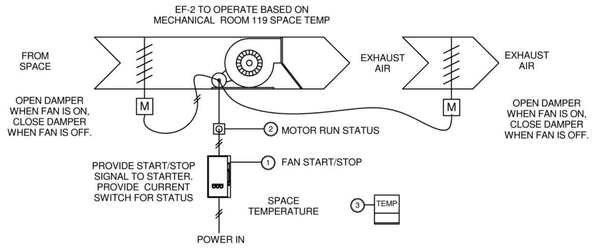
POINTS LIST - TEF-2 EXHAUST FAN													
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EXHAUST FAN START/STOP			X						COV	YES	
2	EXHAUST FAN MOTOR RUN STATUS	X								COV	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												



1 EF-1 - UPS ROOM 118 EXHAUST FAN CONTROLS

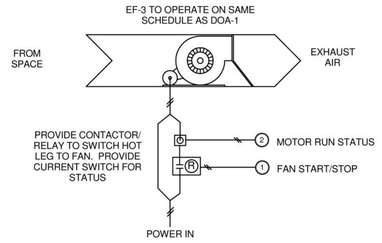
POINTS LIST - EF-1 EXHAUST FAN													
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EXHAUST FAN START/STOP			X						COV	YES	
2	EXHAUST FAN MOTOR RUN STATUS	X								COV	YES	
3	SPACE TEMPERATURE		X							15 MIN	YES	
4	SPACE TEMP COOLING SETPOINT					75°F	X			COV	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												

FOR REFERENCE ONLY



1 EF-2 - MECHANICAL ROOM 119 EXHAUST FAN CONTROLS

POINTS LIST - EF-2 EXHAUST FAN												
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EXHAUST FAN START/STOP			X						COV	YES	
2	EXHAUST FAN MOTOR RUN STATUS	X								COV	YES	
3	SPACE TEMPERATURE		X							15 MIN	YES	
4	SPACE TEMP COOLING SETPOINT					80°F	X			COV	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												



1 EF-3 - PRINT ROOM 141 EXHAUST FAN CONTROLS

POINTS LIST - EF-3 EXHAUST FAN												
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS DI	AI	DO	AO	BAS SETPOINT	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EXHAUST FAN START/STOP			X						COV	YES	
2	EXHAUST FAN MOTOR RUN STATUS	X								COV	YES	
NOTE: "COV" MEANS "CHANG EOF VALUE". THIS POINT SHALL TREND WHEN ONLY WHEN ITS VALUE IS CHANGES.												

EXHAUST FAN CONTROL MATRIX

TAG	EXHAUST FAN LOCATION	AREA SERVED	AIRFLOW (CFM)	CONTROL DESCRIPTION	POINTS S/S	POINTS STATUS	VFD	CONTROL SCHED	CONTROL INTERLCK	CONTROL TEMP	CONTROL SWITCH	CONTROL OTHER	MOTORIZED DAMPERS INTAKE	MOTORIZED DAMPERS EXHAUST	MOTORIZED DAMPERS R.A. ISOL.	TAG
TEF-1	ROOF	2ND FLOOR RESTROOMS	710	TOILET EXHAUST - INTERLOCK WITH DOA-1	X	X			X					X		TEF-1
TEF-2	ROOF	1ST FLOOR RESTROOMS, JC, LOCKERS	500	OPERATE BASED ON SCHEDULE (INITIAL SCHEDULE IS 24/7 CONTINUOUS	X	X		X						X		TEF-2
EF-1	BUILDING SUPPORT	UPS ROOM 118	1,500	GENERAL EXHAUST - INTERLOCK WITH THERMOSTAT	X	X				X				X		EF-1
EF-2	BUILDING SUPPORT	MECHANICAL ROOM 119	500	GENERAL EXHAUST - INTERLOCK WITH THERMOSTAT	X	X				X			X	X		EF-2
EF-3	ROOF	PRINT ROOM 141	150	PRINT ROOM EXHAUST - OPERATE BASED ON TIME SCHEDULE	X	X			X							EF-3

NOTES:

INTAKE DAMPER - DAMPER THROUGH WHICH AIR ENTERS THE ROOM BEING EXHAUSTED - TYPICALLY OPENS WHEN EXHAUST FAN IS ON AND CLOSES WHEN EXHAUST FAN IS OFF.

EXHAUST DAMPER - DAMPER EITHER ON THE ENTERING SIDE OR LEAVING SIDE OF THE EXHAUST FAN - TYPICALLY OPENS WHEN EXHAUST FAN IS ON AND CLOSES WHEN EXHAUST FAN IS OFF.

R.A. ISOL. DAMPER - RETURN AIR ISOLATION DAMPER - TYPICALLY CLOSES WHEN EXHAUST FAN IS ON, AND OPENS WHEN EXHAUST FAN IS OFF.

1 **EXISTING EXHAUST FANS (EF-1,2,3 & TEF-1,2) CONTROL SCHEMATIC**
SCALE: N.T.S.

DLZ
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01/30/2026

JOSHUA R. ADLING REGISTERED PE INDIANA STATE OF INDIANA PROFESSIONAL ENGINEER

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INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

CONTROL SCHEMATICS - 3

DRAWING NUMBER M7.3 MECHANICAL

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ELECTRICAL SYMBOLS:

USB WP GFCI — DUPLEX RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH BOTTOM AT +16" A.F.F., U.O.N. ASTERISK INDICATES VANDALPROOF STYLE RECEPTACLE FACEPLATE. USB = 125V, 20A, USB CHARGING DUPLEX RECETPACLE. WP = WEATHERPROOF "WHILE-IN-USE" ENCLOSURE. GFCI = GROUND FAULT CIRCUIT INTERRUPTING TYPE DEVICE. U.O.N., COORDINATE EXACT LOCATION BEFORE ROUGH-IN.

WP — GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH BOTTOM AT +16" A.F.F. U.O.N WP = WEATHERPROOF "WHILE IN USE" ENCLOSURE.

GROUND FAULT CIRCUIT INTERRUPTING QUAD RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH BOTTOM AT +16" A.F.F. U.O.N. COORDINATE EXACT LOCATION BEFORE ROUGH-IN.

DUPLEX RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH TOP AT +40" A.F.F., U.O.N.

DUPLEX RECEPTACLE CEILING MOUNTED 125V, 20A. REFER TO SPECIFICATIONS AND DRAWINGS FOR FURTHER DETAILS.

DUPLEX RECEPTACLE FLOOR BOX 125V, 20A. REFER TO SPECIFICATIONS AND DRAWINGS FOR DETAILED ELECTRICAL REQUIREMENTS.

QUAD RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH BOTTOM AT +16" A.F.F., U.O.N.

QUAD RECEPTACLE, 125V, 20A. INSTALL DEVICE WITH TOP AT +40" A.F.F., U.O.N.

SPECIAL RECEPTACLE, REFER TO MANUFACTURER REQUIREMENTS. INSTALL DEVICE WITH BOTTOM AT +16" A.F.F., U.O.N.

J J J — JUNCTION BOX.

R — RELAY.

a $WP — TOGGLE SWITCH, 120/277V, 1-POLE, 20A. WP=WEATHERPROOF ENCLOSURE, "a" INDICATES SWITCH LEG.

$3a — TOGGLE SWITCH, THREE WAY TYPE, 120/277V, 20A, "a" INDICATES SWITCH LEG.

$4a — TOGGLE SWITCH, FOUR WAY TYPE, 120/277V, 20A, "a" INDICATES SWITCH LEG.

$Da — DIMMABLE SWITCH, 120/277V, 20A, "a" INDICATES SWITCH LEG.

a OC OR OC a, WG WG — DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING OR WALL MOUNT COVERAGE OF SENSOR DEPENDENT ON ROOM SIZE, "a" INDICATES SWITCH LEG, "WG" INDICATES WIRE GUARD INCLUDED. POWER PACKS NOT SHOWN - FIELD LOCATE AND RECORD ON RECORD DRAWINGS.

a OC — PIR HIGH BAY OCCUPANCY SENSOR. PROVIDE POWER PACK(S) AS REQUIRED PER MANUFACTURER'S RECOMMENDATION, "a" INDICATES SWITCH LEG.

J C W — 4" SQUARE BOX WITH SINGLE GANG ADAPTER FOR MOUNTING EMERGENCY POWER CONTROL MODULE. MOUNT WHERE INDICATED ON PLANS. PROVIDE PERMANENT LABEL ON MODULE FACEPLATE INDICATING ROOM/AREA(S) WHERE CONTROLLED LIGHTS ARE LOCATED. "C" INDICATES DEVICE FLUSH MOUNTED IN CEILING, "W" INDICATES DEVICE FLUSH MOUNTED IN WALL. COORDINATE EXACT LOCAITON WITH OWNER BEFORE ROUGH-IN.

DISTRIBUTION PANELBOARD, SEE SCHEDULE FOR DETAILED REQUIREMENTS.

PANELBOARD, SEE SCHEDULE FOR DETAILED REQUIREMENTS.

NON-FUSED DISCONNECT SWITCH, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

FUSED DISCONNECT SWITCH, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

NON-COMBINATION STARTER, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

COMBINATION STARTER/DISCONNECT, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

VARIABLE FREQUENCY DRIVE, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

VARIABLE FREQUENCY DRIVE AND DISCONNECT COMBINATION, SEE DRAWINGS FOR DETAILED REQUIREMENTS.

3 — NON-COMBINATION MAGNETIC MOTOR STARTER NUMBER INDICATES NEMA RATING, SIZE 1 U.O.N.

MOTOR.

P — PULLBOX

M — MANUAL MOTOR CONTROLLER SWITCH

FAAP — REMOTE FIRE ALARM ANNUNCIATOR PANEL.

FACP — FIRE ALARM CONTROL PANEL.

IAM — FIRE ALARM INTERMEDATE ADDRESSABLE MODULE.

GAA — GENERATOR ALARM ANNUNCIATOR PANEL.

OVERHEAD DOOR SAFETY INTERLOCKS. REFER TO SPECIFICATION 083613 FOR MORE INFORMATION.

2'-0" GROUND BUS BAR.

COMBINATION TELEPHONE/DATA 2-PORT OUTLET SINGLE GANG. FOR EACH DEVICE 1-DATA/1-TELEPHONE JACK WITHIN THAT RECEPTACLE. INSTALL WITHIN A 4" x 4" EXTRA DEEP BOX. PROVIDE (2) CAT.6 CABLES U.O.N. INSTALL DEVICE WITH BOTTOM AT +16" AFF., U.O.N.

CAT. 6 DATA OUTLET SINGLE GANG. INSTALL DEVICE AT +18" AFF., U.O.N. PROVIDE (1) CAT.6 CABLE U.O.N.

CONDUIT CONCEALED IN GROUND OR FLOOR.

CONDUIT TURN UP AND TURN DOWN RESPECTIVELY.

BRANCH CIRCUIT HOME-RUN SYMBOLOGY:
SEMI CIRCLE INDICATES GROUND CONDUCTOR
LONG LINE INDICATES NEUTRAL CONDUCTOR(S)
SHORT LINE INDICATES PHASE CONDUCTOR(S)

SITE ELECTRICAL SYMBOLS:

BHV — DIRECT BURIED CONDUIT FOR HIGH VOLTAGE CABLE (CABLE BY ELECTRIC UTILITY)

BC — DIRECT BURIED CONDUIT FOR COMMUNICATIONS CABLES

BE — DIRECT BURIED CONDUIT FOR ELECTRICAL POWER CABLES

BFO — DIRECT BURIED CONDUIT FOR SECURITY FIBER OPTIC CABLES

G — DIRECT BURIED BARE COPPER GROUNDING ELECTRODE CABLE

ELECTRICAL HANDHOLE
'HH-EX' INDICATES ELECTRICAL HANDHOLE #X
'HH-CX' INDICATES COMMUNICATION HANDHOLE #X

3/4" DIAMETER X 10'-0" COPPER CLAD GROUNDING ELECTRODE GROUNDING ROD WITH EXOTHERMIC WELD CABLE CONNECTION

ONE-LINE DIAGRAM SYMBOLS:

PANEL — 200 AMP 120/208V 3Ø, 4W MLO — MAIN LUG ONLY PANELBOARD. "PANEL" INDICATES PANEL DESIGNATION. "120/208" INDICATES PANEL OPERATING VOLTAGE. "3Ø, 4W" INDICATES PHASE AND WIRE. "200A 3P" INDICATES 3 POLE MAIN LUGS AND BUS RATED FOR 200A.

PANEL — 200 AMP 120/208V 3Ø, 4W MCB — MAIN CIRCUIT BREAKER PANELBOARD. "PANEL" INDICATES PANEL DESIGNATION. "120/208" INDICATES PANEL OPERATING VOLTAGE. "3Ø, 4W" INDICATES PHASE AND WIRE. "200A 3P" INDICATES 3 POLE MAIN LUGS AND BUS RATED FOR 200A.

200 / 200 — FUSED SWITCH. TOP NUMBER INDICATES SWITCH RATING IN AMPERES. BOTTOM NUMBER INDICATES FUSE RATING IN AMPERES.

200AT 200AF 80% RATED LSIG SS — THERMAL MAGNETIC CIRCUIT BREAKER. TOP NUMBER INDICATES TRIP RATING IN AMPERES. BOTTOM NUMBER INDICATES FRAME RATING IN AMPERES. "80% RATED" INDICATES BREAKER RATING. "LSIG" INDICATES BREAKER WITH ADJUSTABLE LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT TRIP SETTINGS. "SS" INDICATES SOLID STATE, 3-POLE, U.O.N.

BUS BAR.

FEEDER CIRCUIT.

20 — MOTOR WITH HORSEPOWER INDICATED.

208V 30KVA 208/120 K13 — TRANSFORMER. PRIMARY VOLTAGE, SECONDARY VOLTAGE, RATING IN KVA AS INDICATED. K FACTOR AS INDICATED.

GROUND.

100A — NON-FUSED DISCONNECT SWITCH. NUMBER INDICATES RATING IN AMPERES.

ENCLOSURE OUTLINE.

100 — CABLE/CONDUIT NUMBER.

N E L — AUTOMATIC TRANSFER SWITCH

SB — SWITCHBOARD

ABBREVIATIONS:

A.F	AMPERE FUSE
A.F.C.	ABOVE FINISHED COUNTER
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
BE	BURIED ELECTRIC
B.F.G.	BELOW FINISH GRADE
BFO	BURIED FIBER OPTIC
BT	BURIED TELEPHONE
C.	CONDUIT
CAT	CATEGORY
DED.	DEDICATED
DFA	DROP FROM ABOVE
DIV.	DIVISION
D.S	DISCONNECT SWITCH
E.T.R.	EXISTING TO REMAIN
E	EXISTING
EC	ELECTRICAL CONTRACTOR
(F)	FUTURE
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G.	GROUND
GFI	GROUND FAULT INTERRUPT
GRND	GROUND
H.O.A.	HAND OFF AUTOMATIC
H.L.O.A.	HIGH LOW OFF AUTOMATIC
HNDLR	HANDLER
IDF	INTERMEDIATE DISTRIBUTION FRAME
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LTG.	LIGHTING
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MFR.	MANUFACTURER
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS.	MANUAL TRANSFER SWITCH
MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
NEC	NATIONAL ELECTRICAL CODE
NL	NON-SWITCHED NIGHT LIGHT
NTRL.	NEUTRAL
NTS	NOT TO SCALE
OCP	OVERCURRENT PROTECTIVE DEVICE
OL.	OVERLOADS
P	POLE
POTS	PLAIN OLD TELEPHONE SYSTEM
Ø	PHASE
RCPT.	RECEPTACLE
RECEPT.	RECEPTACLE
RM.	ROOM
SE	SERVICE ENTRANCE
SP.	SPARE
SPEC	SPECIFICATIONS
SS	SOLID STATE (ELECTRONIC) BREAKER
SSOL	SOLID STATE OVERLOADS
ST	SAFETY TYPE
SW.	SWITCH
T.B.I.	TO BE INSTALLED
TBR	TO BE REMOVED
TWSH.	TWISTED SHIELDED
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V.F.D.	VARIABLE FREQUENCY DRIVE
W	WATT
WG	WIRE GUARD
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF

GENERAL NOTES:

A. DRAWINGS ARE DIAGRAMMATIC. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ALL LOCATIONS SHALL BE FIELD VERIFIED.

B. ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE LATEST EDITION ADOPTED BY INDIANA, THE INDIANA ELECTRICAL CODE AMENDMENTS, LOCAL/MUNICIPAL CODES, AND THE AUTHORITY HAVING JURISDICTION.

C. ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LENGTH, NOR GREATER THAN 36" IN LENGTH.

D. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED WITH THE APPROPRIATE FIRE STOPPING MATERIAL TO MAINTAIN WALL FIRE RATING.

E. SEE MECHANICAL AND PLUMBING SCHEDULES FOR MECHANICAL EQUIPMENT RATINGS AND SIZES.

F. ALL POWER AND LIGHTING CIRCUITS SHALL BE MINIMUM (2) #12, AND (1) #12 G, IN 3/4" CONDUIT UNLESS OTHERWISE NOTED. ALL BRANCH CIRCUIT WITH 20A AND BELOW BREAKER(S) SHALL USE THE FOLLOWING MINIMUM CABLE SIZE TO ACCOMMODATE VOLTAGE DROP UNLESS OTHER WISE NOTED: LESS THAN 85'-0": #12 AWG; 85'-0" TO 140'-0": #10 AWG; 140'-0" TO 225'-0": #8 AWG.

G. ALL CONTROL WIRING SHALL BE NOT LESS THAN (2) #14, (1) #14G, 3/4"C, UON.

H. ALL CABLES INSTALLED IN AIR HANDLING PLENUMS SHALL BE PLENUM RATED CABLE.

I. HOME RUNS SHALL NOT BE COMBINED IN A RACEWAY UNLESS SHOWN ON THE CONTRACT DRAWINGS. SINGLE PHASE BRANCH CIRCUIT HOME RUNS MAY BE COMBINED AT THE CONTRACTOR'S DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, AND REQUIRED GROUNDING CONDUCTOR(S). CONTRACTOR MUST INCREASE WIRE SIZE AND DERATE CONDUCTOR CAPACITY ACCORDING TO NEC.

J. EACH SINGLE PHASE BRANCH CIRCUIT CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL BACK TO THE PANELBOARD.

K. SUPPORTING WIRE FOR THE SUSPENDED CEILING GRID SHALL NOT BE USED AS RACEWAY SUPPORT.

L. DISCONNECT SWITCH RATINGS SHALL BE AS INDICATED ON THE DRAWINGS.

M. ALL FIRE ALARM CABLING SHALL BE RED, PLENUM RATED, AND INSTALLED IN FACTORY PAINTED "RED" CONDUIT. ALL ASSOCIATED JUNCTION/PULL BOXES SHALL BE FACTORY PAINTED "RED".

N. HVAC CONTROL WIRING FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR OR SUBCONTRACTOR. PROVIDE POWER TO EACH TEMPERATURE CONTROL PANEL AND OTHER EQUIPMENT AS INDICATED.

O. INDOOR CONTROL EQUIPMENT ENCLOSURES SHALL BE NEMA 1 RATED U.O.N. ALL EXTERIOR ENCLOSURES SHALL BE NEMA 3R UNLESS OTHERWISE NOTED. ALL ENCLOSURES LOCATED IN KITCHEN SHALL BE NEMA 4X STAINLESS STEEL UNLESS OTHERWISE NOTED.

P. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH EXPANSION FITTINGS, UNLESS THE CONDUIT IS BELOW SLAB IN THE COMPACTED GRANULAR FILL. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND MANUFACTURER'S WRITTEN RECOMMENDATIONS. REFER TO STRUCTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.

Q. THE CONTRACTOR SHALL COORDINATE RECEPTACLE HEIGHTS AND LOCATIONS WITH THE CASEWORK SHOP DRAWINGS TO DETERMINE EXACT LOCATIONS AND HEIGHTS FOR OUTLET INSTALLATION.

R. THE WORD "PROVIDE" IS TO BE DEFINED AS "FURNISH AND INSTALL."

S. REMOVE EXISTING SYSTEMS, MATERIALS, AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.

a. REINSTALL ANY SUCH SYSTEMS, MATERIALS, AND EQUIPMENT WHICH ARE REQUIRED TO COMPLETE THE PROJECT.

T. WHERE EXISTING EQUIPMENT OR MATERIALS ARE REMOVED OR CHANGED, ALL BRANCH CONDUITS, WHICH NO LONGER ARE IN SERVICE, SHALL BE REMOVED AS DIRECTED BY THE ARCHITECT. IF, IN THE COURSE OF THE WORK, OUTLETS ARE COVERED UP OR OTHERWISE RENDERED INACCESSIBLE, ALL WIRING TO SAME SHALL BE REMOVED TO THE SOURCE. IF A CIRCUIT THAT MUST REMAIN IN SERVICE IS INTERRUPTED, IT SHALL BE RECONNECTED BY THE MOST INCONSPICUOUS MEANS SO AS TO REMAIN OPERATIONAL, WITH SAME CAPACITY AS BEFORE. ALL BUILDING SURFACES DAMAGED, AND OPENING LEFT BY REMOVAL OF BOXES, PIPING, OR THEIR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. ALL HOLES LEFT IN JUNCTION BOXES, SWITCHES, PANELS, ETC. SHALL BE CLOSED.

U. WHERE NEW OPENINGS ARE CUT AND CONCEALED CONDUITS, ETC. ARE ENCOUNTERED, THEY SHALL BE REMOVED OR RELOCATED AS REQUIRED. CONDUIT SHALL BE REMOVED TO THE POINT WHERE THE FINISH SURFACES CAN BE PATCHED ADEQUATELY SO THAT NO EVIDENCE OF THE FORMER INSTALLATION REMAINS.

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DLZ Indiana, LLC

REGISTERED PROFESSIONAL ENGINEER — STEVEN L. KRUMAN, JR. — MICHAEL — No. 12300530 — STATE OF INDIANA

NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
APPRV'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
ADMINISTRATION BUILDING HVAC REFRESH DESIGN
INDIANA

GENERAL INFORMATION

DRAWING NUMBER E0.1

ELECTRICAL

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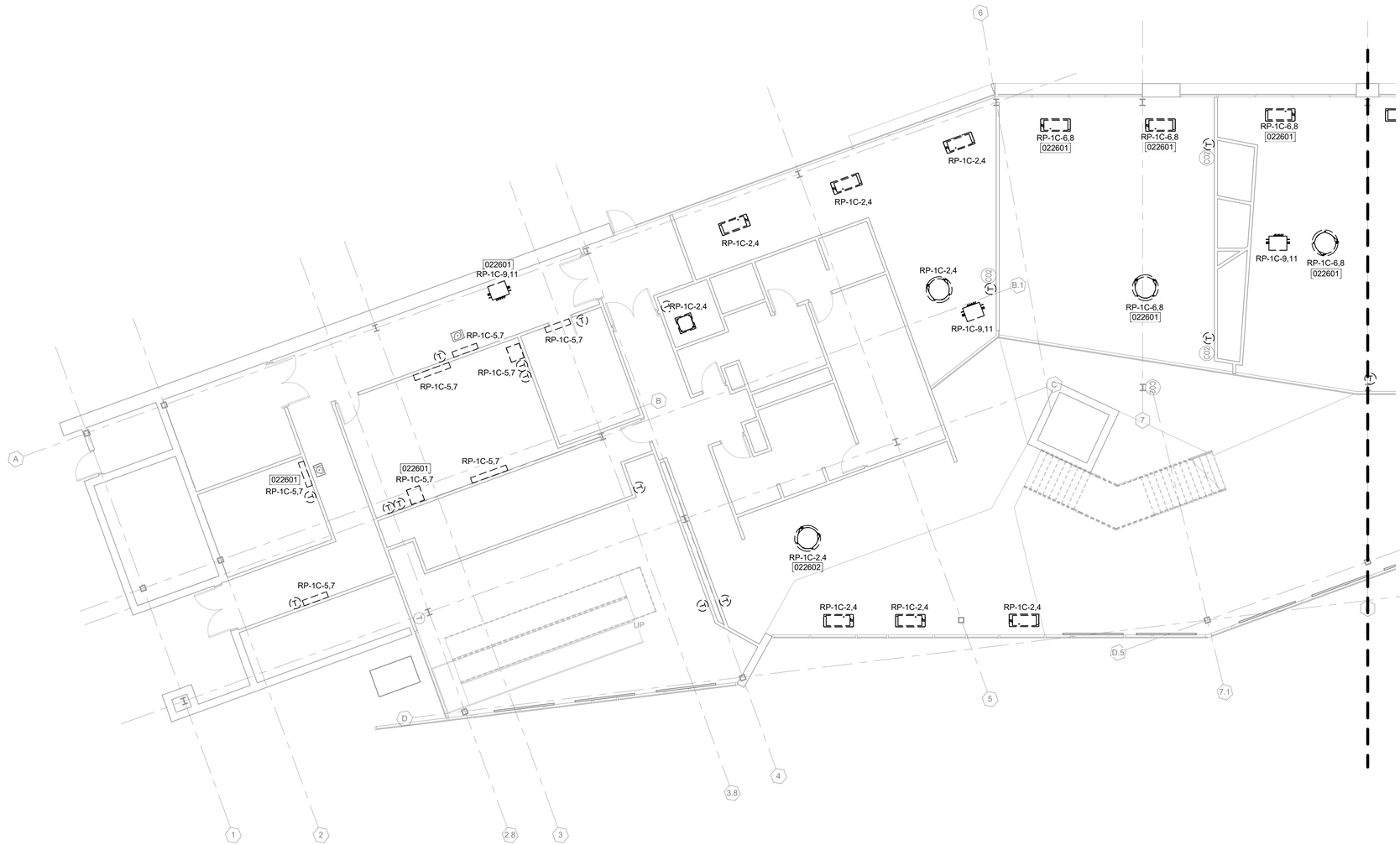


1 FIRST FLOOR POWER REMOVAL PLAN
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DASHED LINES INDICATE EXISTING HVAC EQUIPMENT TO BE REMOVED. DISCONNECT EQUIPMENT TO ALLOW FOR REMOVAL, UNLESS NOTED OTHERWISE, EXISTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. REMOVE ASSOCIATED ELECTRICAL ITEMS (E.G. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC.) WHERE REQUIRED FOR REPLACEMENT OF HVAC EQUIPMEN

C. SHADED LINES INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN.

D. EXISTING LIGHTING, POWER, SYSTEMS DEVICES / EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.

E. REFER TO MECHANICAL DRAWINGS WHICH SHOW THE TOTAL DEMOLITION IN SPECIFIC AREAS. E.C. SHALL COORDINATE IN THIS DEMOLITION TO ENSURE THAT POWER IS OFF AND THAT ELECTRICAL EQUIPMENT THAT MUST REMAIN IS PROPERLY PROTECTED.

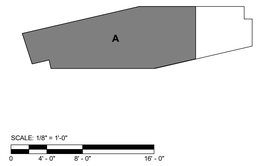
F. ALL REUSABLE DEVICES, FIXTURES, AND EQUIPMENT SHALL BE SALVAGED, SHALL BECOME THE PROPERTY OF THE OWNER, AND SHALL BE STORED BY THE CONTRACTOR IN A ROOM TO BE DESIGNATED BY THE OWNER. ALL OTHER REMOVED ITEMS AND DEBRIS SHALL BE CLEARED FROM THE PREMISES DAILY.

G. EXISTING CIRCUITS INDICATED ARE BASED ON RECORD DRAWINGS AVAILABLE TO THE ENGINEER. FIELD CONFIRM CIRCUITS PRIOR TO CONSTRUCTION.

KEYNOTES

022601	DISCONNECT HVAC EQUIPMENT FROM EXISTING CIRCUIT. REMOVE CONDUIT AND WIRE BACK TO SOURCE OR NEAREST UNIT TO REMAIN ON SAME CIRCUIT. REFER TO INSTALLATION PLAN FOR NEW CIRCUIT.
022602	MODIFY CIRCUIT TO EXTEND TO NEW EQUIPMENT.

KEYPLAN



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DLZ Indiana, LLC

REGISTERED PROFESSIONAL ENGINEER
MICHAEL S. KRUZMAN, JR.
No. 12300530
STATE OF INDIANA
01/30/2026

NO.	REVISION	DATE

DRAWN: EGF
DESIGNED: EGF
APPRV'D: MSK
CHK'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR ELECTRICAL REMOVAL PLAN - AREA A

DRAWING NUMBER
E1.1A
ELECTRICAL

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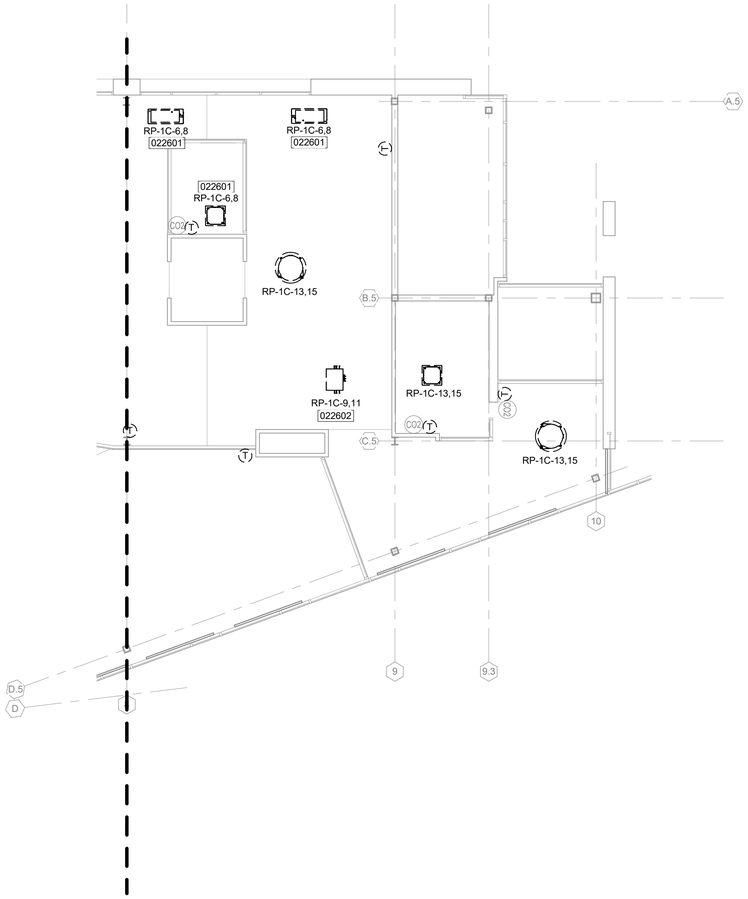

1 **FIRST FLOOR POWER REMOVAL PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DASHED LINES INDICATE EXISTING HVAC EQUIPMENT TO BE REMOVED. DISCONNECT EQUIPMENT TO ALLOW FOR REMOVAL. UNLESS NOTED OTHERWISE, EXISTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. REMOVE ASSOCIATED ELECTRICAL ITEMS (E.G. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC.) WHERE REQUIRED FOR REPLACEMENT OF HVAC EQUIPMEN

C. SHADED LINES INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN.

D. EXISTING LIGHTING, POWER, SYSTEMS DEVICES / EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.

E. REFER TO MECHANICAL DRAWINGS WHICH SHOW THE TOTAL DEMOLITION IN SPECIFIC AREAS. E.C. SHALL COORDINATE IN THIS DEMOLITION TO ENSURE THAT POWER IS OFF AND THAT ELECTRICAL EQUIPMENT THAT MUST REMAIN IS PROPERLY PROTECTED.

F. ALL REUSABLE DEVICES, FIXTURES, AND EQUIPMENT SHALL BE SALVAGED, SHALL BECOME THE PROPERTY OF THE OWNER, AND SHALL BE STORED BY THE CONTRACTOR IN A ROOM TO BE DESIGNATED BY THE OWNER. ALL OTHER REMOVED ITEMS AND DEBRIS SHALL BE CLEARED FROM THE PREMISES DAILY.

G. EXISTING CIRCUITS INDICATED ARE BASED ON RECORD DRAWINGS AVAILABLE TO THE ENGINEER. FIELD CONFIRM CIRCUITS PRIOR TO CONSTRUCTION.

KEYNOTES

022601	DISCONNECT HVAC EQUIPMENT FROM EXISTING CIRCUIT. REMOVE CONDUIT AND WIRE BACK TO SOURCE OR NEAREST UNIT TO REMAIN ON SAME CIRCUIT. REFER TO INSTALLATION PLAN FOR NEW CIRCUIT.
022602	MODIFY CIRCUIT TO EXTEND TO NEW EQUIPMENT.

KEYPLAN

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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DLZ Indiana, LLC

MICHAEL S. KRUMAN, JR. • REGISTERED PROFESSIONAL ENGINEER • STATE OF INDIANA • No. 12300530

NO.	REVISION	DATE

DRAWN: EGF
DESIGNED: EGF
APPRVD: MSK
CHK'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR ELECTRICAL REMOVAL PLAN - AREA B

DRAWING NUMBER
E1.1B
ELECTRICAL

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1 **SECOND FLOOR POWER REMOVAL PLAN**
SCALE: 1/8" = 1'-0"
NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DASHED LINES INDICATE EXISTING HVAC EQUIPMENT TO BE REMOVED. DISCONNECT EQUIPMENT TO ALLOW FOR REMOVAL. UNLESS NOTED OTHERWISE, EXISTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. REMOVE ASSOCIATED ELECTRICAL ITEMS (E.G. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC.) WHERE REQUIRED FOR REPLACEMENT OF HVAC EQUIPMEN

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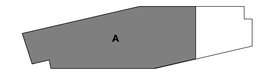
G. EXISTING CIRCUITS INDICATED ARE BASED ON RECORD DRAWINGS AVAILABLE TO THE ENGINEER. FIELD CONFIRM CIRCUITS PRIOR TO CONSTRUCTION.

KEYNOTES

022601 DISCONNECT HVAC EQUIPMENT FROM EXISTING CIRCUIT. REMOVE CONDUIT AND WIRE BACK TO SOURCE OR NEAREST UNIT TO REMAIN ON SAME CIRCUIT. REFER TO INSTALLATION PLAN FOR NEW CIRCUIT.

022602 MODIFY CIRCUIT TO EXTEND TO NEW EQUIPMENT.

KEYPLAN



SCALE 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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DLZ Indiana, LLC

REGISTERED MICHAEL S. KRUZMAN, JR. PROFESSIONAL ENGINEER No. 12300530 STATE OF INDIANA
Seal Date: 1/30/2026

NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
APPR'VD: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR ELECTRICAL REMOVAL PLAN - AREA A

DRAWING NUMBER E1.2A ELECTRICAL

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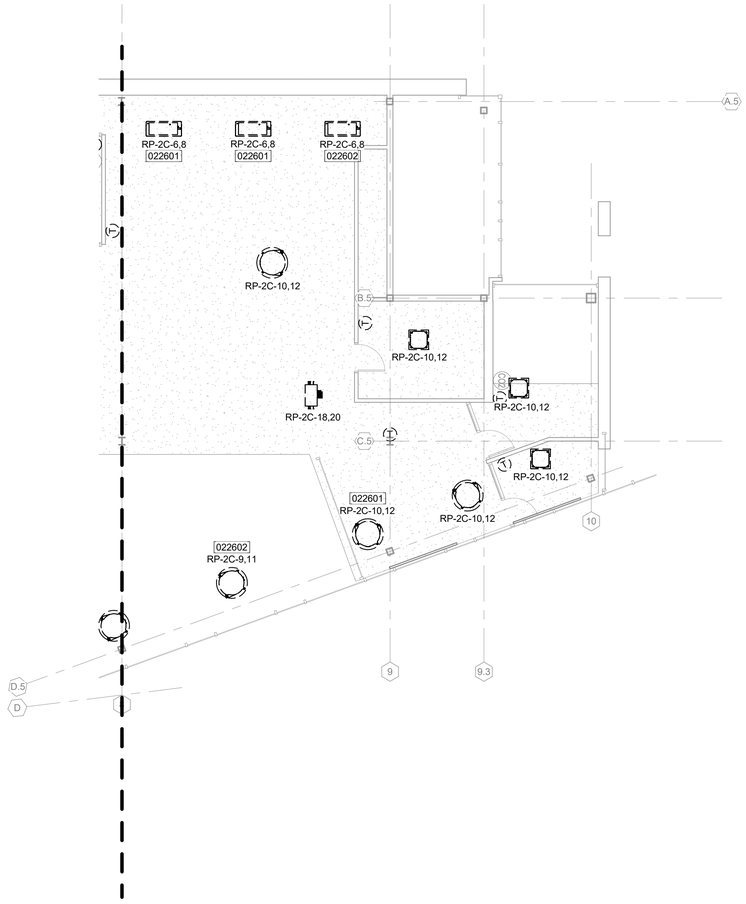

1 **SECOND FLOOR POWER REMOVAL PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DASHED LINES INDICATE EXISTING HVAC EQUIPMENT TO BE REMOVED. DISCONNECT EQUIPMENT TO ALLOW FOR REMOVAL. UNLESS NOTED OTHERWISE, EXISTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. REMOVE ASSOCIATED ELECTRICAL ITEMS (E.G. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC.) WHERE REQUIRED FOR REPLACEMENT OF HVAC EQUIPMEN

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G. EXISTING CIRCUITS INDICATED ARE BASED ON RECORD DRAWINGS AVAILABLE TO THE ENGINEER. FIELD CONFIRM CIRCUITS PRIOR TO CONSTRUCTION.

KEYNOTES

022601	DISCONNECT HVAC EQUIPMENT FROM EXISTING CIRCUIT. REMOVE CONDUIT AND WIRE BACK TO SOURCE OR NEAREST UNIT TO REMAIN ON SAME CIRCUIT. REFER TO INSTALLATION PLAN FOR NEW CIRCUIT.
022602	MODIFY CIRCUIT TO EXTEND TO NEW EQUIPMENT.

KEYPLAN

SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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DLZ Indiana, LLC

REGISTERED MICHAEL S. KRUMAN, JR. PROFESSIONAL ENGINEER No. 12300530 STATE OF INDIANA
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NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
APPRV'D: MSK
DATE: JANUARAY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR ELECTRICAL REMOVAL PLAN - AREA B

DRAWING NUMBER
E1.2B
ELECTRICAL

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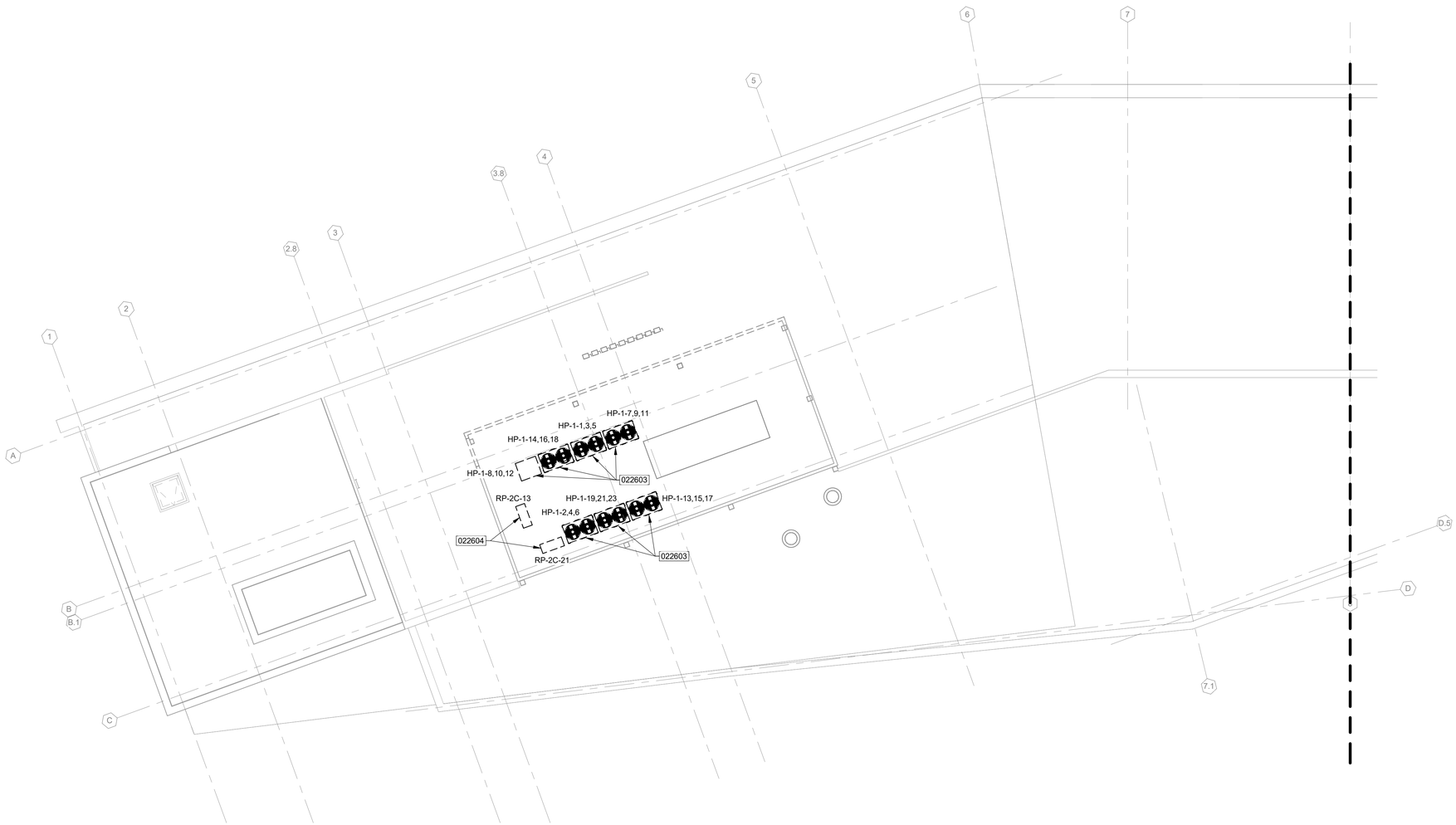

1 **ROOF REMOVAL POWER PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. DASHED LINES INDICATE EXISTING HVAC EQUIPMENT TO BE REMOVED. DISCONNECT EQUIPMENT TO ALLOW FOR REMOVAL. UNLESS NOTED OTHERWISE, EXISTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. REMOVE ASSOCIATED ELECTRICAL ITEMS (E.G. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC.) WHERE REQUIRED FOR REPLACEMENT OF HVAC EQUIPMEN

C. SHADED LINES INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN.

D. EXISTING LIGHTING, POWER, SYSTEMS DEVICES / EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.

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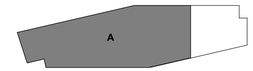
G. EXISTING CIRCUITS INDICATED ARE BASED ON RECORD DRAWINGS AVAILABLE TO THE ENGINEER. FIELD CONFIRM CIRCUITS PRIOR TO CONSTRUCTION.

KEYNOTES

022603 DISCONNECT CU UNITS FOR REPLACEMENT. DISCONNECT SWITCHES TO REMAIN. FEEDER CIRCUIT TO REMAIN FOR CONNECTION TO NEW UNIT IN APPROXIMATE SAME LOCATION.

022604 DISCONNECT ACCU-1 AND ACCU-2 AND REMOVE WIRING BACK TO SOURCE. CONDUIT TO REMAIN FOR WIRING TO NEW UNIT IN SAME LOCATION.

KEYPLAN



SCALE: 1/8" = 1'-0"
0 4' - 0" 8' - 0" 16' - 0"

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MICHAEL S. KRUZMAN, JR. • REGISTERED PROFESSIONAL ENGINEER • STATE OF INDIANA • No. 12300530

NO.	REVISION	DATE

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PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF ELECTRICAL REMOVAL PLAN

DRAWING NUMBER **E1.3A**

ELECTRICAL

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1 **FIRST FLOOR POWER PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E6.1 AND E6.2.

C. CONNECT NEW MECHANICAL EQUIPMENT TO CIRCUITS AS INDICATED. EXISTING CIRCUITS MADE AVAILABLE FROM REMOVED EQUIPMENT TO BE REUSED AS INDICATED. MODIFY/EXTEND CIRCUITS TO NEW EQUIPMENT AS NEEDED. FIELD CONFIRM EXISTING CIRCUITS AND NOTIFY ENGINEER OF DISCREPANCIES.

D. PROVIDE HOMERUNS FROM PANELBOARD FOR NEW CIRCUITS. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

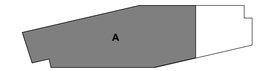
E. ALL VRF UNITS AND BRANCH CONTROLLER BOXES TO HAVE DEDICATED DISCONNECT SWITCH WITHIN SIGHT OF UNIT. EXISTING DISCONNECT SWITCHES MAY BE REUSED IF IN GOOD CONDITION AND MEETS CIRCUIT RATING.

KEYNOTES

260501 NEW PANELBOARD HP-3 (FIELD CONFIRM EXACT LOCATION). PROVIDE NEW 4#4/0, 1#4GND, 2-1/2"C. FEEDER FROM MDP-1.

260502 UNIT POWERED FROM ASSOCIATED OUTDOOR UNIT. PROVIDE WIRING AND CONDUIT FROM OUTDOOR UNIT PER MANUFACTURER REQUIREMENTS.

KEYPLAN



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REGISTERED PROFESSIONAL ENGINEER
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No. 12300530
STATE OF INDIANA
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ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR ELECTRICAL POWER PLAN - AREA A

DRAWING NUMBER E2.1A ELECTRICAL

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GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E6.1 AND E6.2.

C. CONNECT NEW MECHANICAL EQUIPMENT TO CIRCUITS AS INDICATED. EXISTING CIRCUITS MADE AVAILABLE FROM REMOVED EQUIPMENT TO BE REUSED AS INDICATED. MODIFY/EXTEND CIRCUITS TO NEW EQUIPMENT AS NEEDED. FIELD CONFIRM EXISTING CIRCUITS AND NOTIFY ENGINEER OF DISCREPANCIES.

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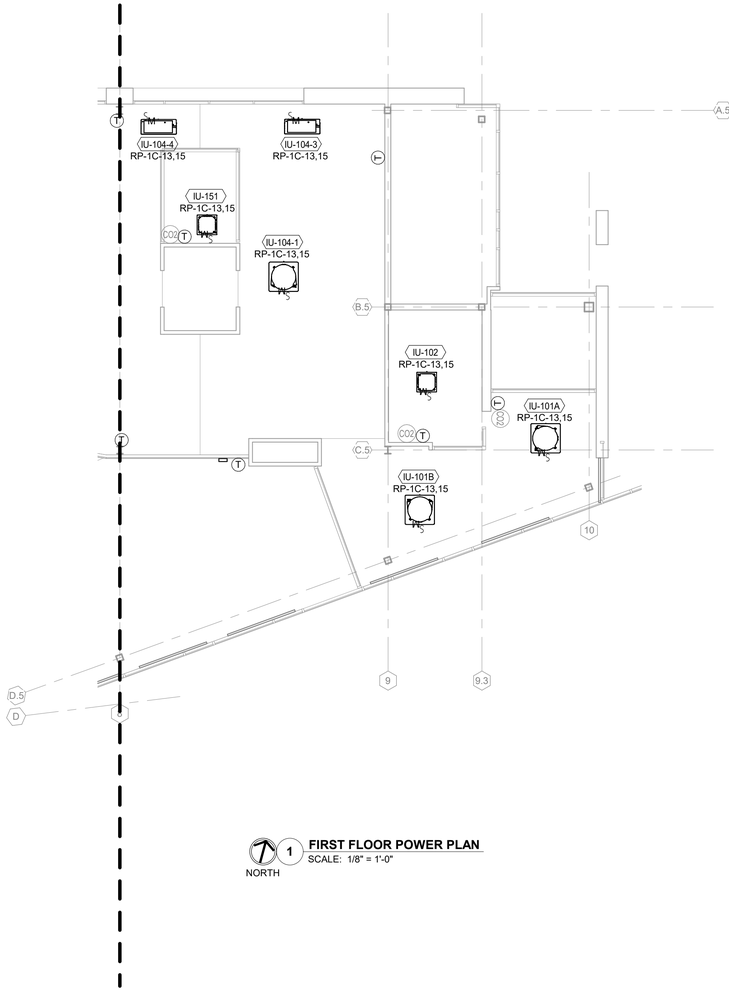

1 FIRST FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"
NORTH

KEYPLAN

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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APPRV'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

FIRST FLOOR ELECTRICAL POWER PLAN - AREA B

DRAWING NUMBER E2.1B
ELECTRICAL

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1 **SECOND FLOOR POWER PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

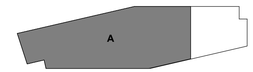
B. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E6.1 AND E6.2.

C. CONNECT NEW MECHANICAL EQUIPMENT TO CIRCUITS AS INDICATED. EXISTING CIRCUITS MADE AVAILABLE FROM REMOVED EQUIPMENT TO BE REUSED AS INDICATED. MODIFY/EXTEND CIRCUITS TO NEW EQUIPMENT AS NEEDED. FIELD CONFIRM EXISTING CIRCUITS AND NOTIFY ENGINEER OF DISCREPANCIES.

D. PROVIDE HOMERUNS FROM PANELBOARD FOR NEW CIRCUITS. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

E. ALL VRF UNITS AND BRANCH CONTROLLER BOXES TO HAVE DEDICATED DISCONNECT SWITCH WITHIN SIGHT OF UNIT. EXISTING DISCONNECT SWITCHES MAY BE REUSED IF IN GOOD CONDITION AND MEETS CIRCUIT RATING.

KEYPLAN



SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
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DLZ Indiana, LLC

REGISTERED PROFESSIONAL ENGINEER
MICHAEL S. KRUZMAN, JR.
No. 12300530
STATE OF INDIANA

NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
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PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR ELECTRICAL POWER PLAN - AREA A

DRAWING NUMBER E2.2A

ELECTRICAL

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GENERAL NOTES

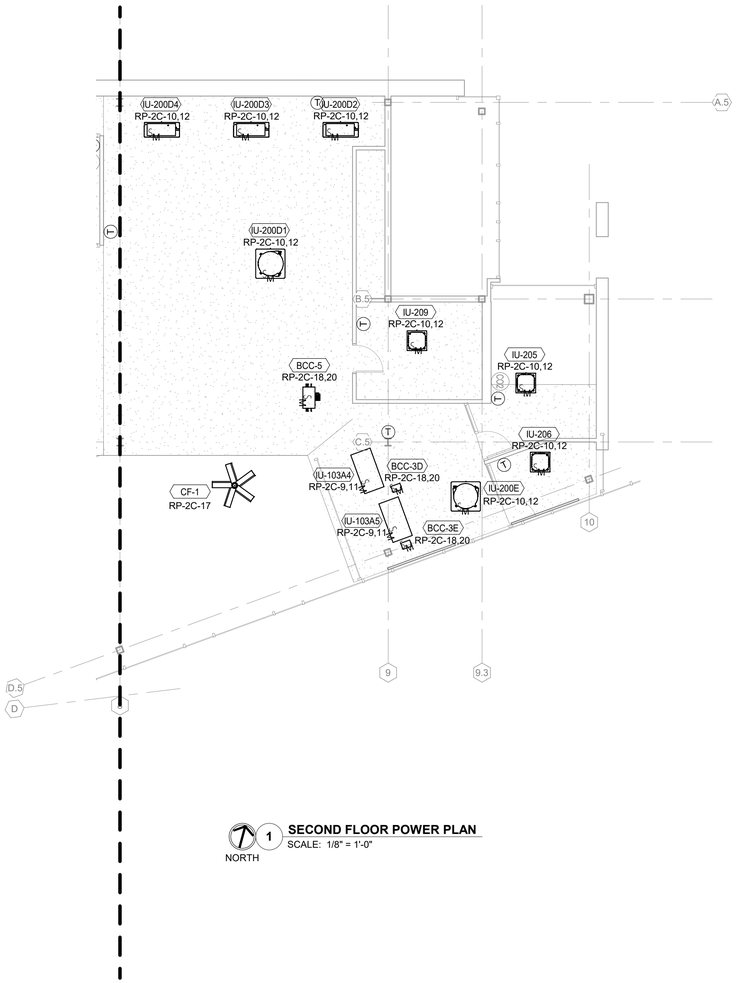
A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E6.1 AND E6.2.

C. CONNECT NEW MECHANICAL EQUIPMENT TO CIRCUITS AS INDICATED. EXISTING CIRCUITS MADE AVAILABLE FROM REMOVED EQUIPMENT TO BE REUSED AS INDICATED. MODIFY/EXTEND CIRCUITS TO NEW EQUIPMENT AS NEEDED. FIELD CONFIRM EXISTING CIRCUITS AND NOTIFY ENGINEER OF DISCREPANCIES.

D. PROVIDE HOMERUNS FROM PANELBOARD FOR NEW CIRCUITS. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

E. ALL VRF UNITS AND BRANCH CONTROLLER BOXES TO HAVE DEDICATED DISCONNECT SWITCH WITHIN SIGHT OF UNIT. EXISTING DISCONNECT SWITCHES MAY BE REUSED IF IN GOOD CONDITION AND MEETS CIRCUIT RATING.



1 SECOND FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"

NORTH

KEYPLAN

SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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DLZ Indiana, LLC

MICHAEL S. KRUZMAN, JR. • REGISTERED PROFESSIONAL ENGINEER • STATE OF INDIANA • No. 12300530

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PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SECOND FLOOR ELECTRICAL POWER PLAN - AREA B

DRAWING NUMBER E2.2B
ELECTRICAL

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1 **ROOF POWER PLAN**
SCALE: 1/8" = 1'-0"

NORTH

GENERAL NOTES

A. REFER TO SHEETS G1.1 AND E0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E6.1 AND E6.2.

C. CONNECT NEW MECHANICAL EQUIPMENT TO CIRCUITS AS INDICATED. EXISTING CIRCUITS MADE AVAILABLE FROM REMOVED EQUIPMENT TO BE REUSED AS INDICATED. MODIFY/EXTEND CIRCUITS TO NEW EQUIPMENT AS NEEDED. FIELD CONFIRM EXISTING CIRCUITS AND NOTIFY ENGINEER OF DISCREPANCIES.

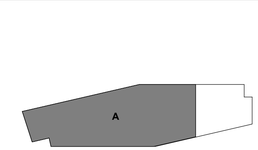
D. PROVIDE HOMERUNS FROM PANELBOARD FOR NEW CIRCUITS. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

E. ALL VRF UNITS AND BRANCH CONTROLLER BOXES TO HAVE DEDICATED DISCONNECT SWITCH WITHIN SIGHT OF UNIT. EXISTING DISCONNECT SWITCHES MAY BE REUSED IF IN GOOD CONDITION AND MEETS CIRCUIT RATING.

KEYNOTES

260506	PROVIDE NEW LFMC AND CONDUCTORS FROM EXISTING DISCONNECT SWITCH TO MATCH CIRCUIT RATING.
260507	PROVIDE NEW FEEDER FROM PANELBOARD AND CONNECT TO UNIT. PROVIDE NEW DISCONNECT SWITCH 60A DISCONNECT SWITCH AND MOUNT TO EXISTING SCREEN WALL.
260508	ACCU-1 AND ACCU-2: PROVIDE NEW FEEDER CIRCUIT FROM PANELBOARD AND CONNECT TO UNIT. EXISTING FEEDER CONDUIT MAY BE REUSED, PROVIDE NEW LFMC TO UNIT. PROVIDE 60A DISCONNECT SWITCH AND MOUNT TO EXISTING SCREEN WALL.

KEYPLAN



SCALE: 1/8" = 1'-0"
0 4'-0" 8'-0" 16'-0"

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MICHAEL S. KRUZMAN, JR. • REGISTERED PROFESSIONAL ENGINEER • STATE OF INDIANA • No. 12300530

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DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

ROOF ELECTRICAL POWER PLAN

DRAWING NUMBER E2.3A ELECTRICAL

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Branch Panel: HP-1 (E)

Location: MECHANICAL 124
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 35000
Mains Type: MLO
Mains Rating: 300 A

Notes:
EXISTING ELECTRICAL PANEL. ALL CIRCUITS SHOWN ARE EXISTING.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CU-1A	50 A	3	8864...	8864...					3	50 A	CU-3	2
3	--	--	--			8864...	8864...			--	--	--	4
5	--	--	--					8864...	8864...	--	--	--	6
7	CU-1B	50 A	3	8864...	3186...					3	20 A	CU-4B	8
9	--	--	--			8864...	3186...			--	--	--	10
11	--	--	--					8864...	3186...	--	--	--	12
13	CU-2A	50 A	3	8864...	7479...					3	40 A	CU-4A	14
15	--	--	--			8864...	7479...			--	--	--	16
17	--	--	--					8864...	7479...	--	--	--	18
19	CU-2B	50 A	3	8864...									20
21	--	--	--			8864...							22
23	--	--	--					8864...					24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		54985 VA		54985 VA		54985 VA					
		Total Amps:		199 A		199 A		199 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	164955 VA
				Total Est. Demand:	164955 VA
				Total Conn. Current:	198 A
				Total Est. Demand Current:	198 A

Notes:

Branch Panel: RP-1C (E)

Location: OPEN COLLAB 202
Supply From: RDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 125 A

Notes:
EXISTING ELECTRICAL PANEL. ALL CIRCUITS SHOWN ARE EXISTING.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CP-1	20 A	1	530 VA	240 VA					2	20 A	ICU SERVING MCU 2	2
3	WH-1	20 A	1			180 VA	240 VA			--	--	--	4
5	ICU SERVING MCU 1	20 A	2					670 VA	175 VA	2	20 A	ICU SERVING MCU 3	6
7	--	--	--	670 VA	175 VA					--	--	--	8
9	MCU 1, 2, 3, 4	20 A	2			116 VA	0 VA			1	20 A	SPARE	10
11	--	--	--					116 VA	0 VA	1	20 A	SPARE	12
13	ICU SERVING MCU 4	20 A	2	114 VA	0 VA					1	20 A	SPARE	14
15	--	--	--			114 VA	0 VA			1	20 A	SPARE	16
17	EF-1	20 A	1					1176...	1176...	1	20 A	ESP-1	18
19	EF-2	20 A	1	700 VA	0 VA					1	20 A	SPARE	20
21	VESDA SYSTEM	20 A	1			200 VA	0 VA			1	20 A	SPARE	22
23	LRP-1A	20 A	1					500 VA	0 VA	1	20 A	SPARE	24
25	LRP-1B	20 A	1	500 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		Total Load:		2929 VA		850 VA		3813 VA					
		Total Amps:		27 A		7 A		34 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	7592 VA
				Total Est. Demand:	7592 VA
				Total Conn. Current:	21 A
				Total Est. Demand Current:	21 A

Notes:

Branch Panel: MDP-1

Location: ELEC 125
Supply From: UTILITY
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 35000
Mains Type: MLO
Mains Rating: 800 A

Notes:
EXISTING ELECTRICAL PANEL. REVISED AS IDICATED: [N] INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED IN EXISTING SPACE.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LP-1	100 A	3	6139...	1044...					3	50 A	DOA-1	2
3	--	--	--			6139...	1044...			--	--	--	4
5	--	--	--					6139...	1044...	--	--	--	6
7	TR-1-PRI	225 A	3	4754...	1926...					3	125 A	HP-2	8
9	--	--	--			4754...	1926...			--	--	--	10
11	--	--	--					4754...	1926...	--	--	--	12
13	HP-1	300 A	3	5498...	1525...					3	125 A	TR-UPS-PRI	14
15	--	--	--			5498...	1525...			--	--	--	16
17	--	--	--					5498...	1525...	--	--	--	18
19	MP-1	225 A	3	3500...	3852...					**3**	**225 A**	**[N] HP-3**	20
21	--	--	--			3500...	3852...			**--**	**--**	**--**	22
23	--	--	--					3500...	3852...	**--**	**--**	**--**	24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		227158 VA		227158 VA		227158 VA					
		Total Amps:		820 A		820 A		820 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	115563 VA	105.58%	122006 VA		
				Total Conn. Load:	681474 VA
				Total Est. Demand:	687917 VA
				Total Conn. Current:	820 A
				Total Est. Demand Current:	827 A

Notes:

Branch Panel: RP-2C (E)

Location: OPEN COLLAB 202
Supply From: RDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 125 A

Notes:
EXISTING ELECTRICAL PANEL. ALL CIRCUITS SHOWN ARE EXISTING.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	IU SERVING MCU 5	15 A	2	399 VA	78 VA					2	15 A	ICU SERVING MCU 6	2
3	--	--	--			399 VA	78 VA			--	--	--	4
5	ICU SERVING MCU 7	15 A	2					227 VA	205 VA	2	15 A	ICU SERVING MCU 8	6
7	--	--	--	277 VA	205 VA					--	--	--	8
9	ICU SERVING MCU 9	15 A	2			312 VA	209 VA			2	15 A	ICU SERVING MCU 10	10
11	--	--	--					312 VA	209 VA	--	--	--	12
13	ACCU-1	30 A	2	0 VA	700 VA					1	20 A	TEF-1	14
15	--	--	--			0 VA	700 VA			1	20 A	TEF-2	16
17	SPARE	20 A	1					0 VA	168 VA	2	20 A	MCU 5, 6, 7, 8, 9, 10	18
19	EF-3	20 A	1	1176...	168 VA					--	--	--	20
21	ACCU-2	30 A	2			0 VA	0 VA			1	20 A	SPARE	22
23	--	--	--					0 VA	0 VA	1	20 A	SPARE	24
25	LRP-2A	20 A	1	500 VA	0 VA					1	20 A	SPARE	26
27	LRP-2B	20 A	1			500 VA	0 VA			1	20 A	SPARE	28
29	FSD	20 A	1					800 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		Total Load:		3503 VA		2198 VA		1921 VA					
		Total Amps:		30 A		19 A		16 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	7622 VA
				Total Est. Demand:	7622 VA
				Total Conn. Current:	21 A
				Total Est. Demand Current:	21 A

Notes:

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ARCHITECTURE • ENGINEERING • PLANNING
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DLZ Indiana, LLC

MICHAEL S. KRUMAN, JR. • REGISTERED PROFESSIONAL ENGINEER • STATE OF INDIANA • No. 12300530

NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
APPRV'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SCHEDULES

DRAWING NUMBER E6.1

ELECTRICAL

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Branch Panel: HP-1

Location: MECHANICAL 124
Supply From: MDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 35000
Mains Type: MLO
Mains Rating: 300 A

Notes:
EXISTING ELECTRICAL PANEL. REVISE AS INDICATED: [N] INDICATES NEW CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER. [EX] INDICATES EXISTING CIRCUIT BREAKER OR WIRING MADE AVAILABLE FROM HVAC REMOVAL WORK. PROVIDE UPDATED TYPED PANELBOARD DIRECTORY.

CKT	Circuit Description	Load Type	Conduit	Wire Size	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Wire Size	Conduit	Load Type	Circuit Description	CKT
1	[EX] CU-1A	M	3/4"	[EX]	40 A	3	7482	8591					3	50 A	[EX]	3/4"	M	[EX] CU-4	2
3	--	--	--	--	--	--			7482	8591			--	--	--	--	--	--	4
5	--	--	--	--	--	--					7482	8591	--	--	--	--	--	--	6
7	[N] CU-1B	M	3/4"	[EX]	40 A	3	7482	8591					3	50 A	[EX]	3/4"	M	[EX] CU-2A	8
9	--	--	--	--	--	--			7482	8591			--	--	--	--	--	--	10
11	--	--	--	--	--	--					7482	8591	--	--	--	--	--	--	12
13	[EX] CU-3A	M	3/4"	[EX]	50 A	3	8591	8591					3	50 A	[EX]	3/4"	M	[EX] CU-2B	14
15	--	--	--	--	--	--			8591	8591			--	--	--	--	--	--	16
17	--	--	--	--	--	--					8591	8591	--	--	--	--	--	--	18
19	[EX] CU-3B	M	3/4"	[EX]	50 A	3	8591												20
21	--	--	--	--	--	--			8591										22
23	--	--	--	--	--	--					8591								24
25																			26
27																			28
29																			30
31																			32
33																			34
35																			36
37																			38
39																			40
41																			42
						Total Load:	57919 VA		57919 VA		57919 VA								
						Total Amps:	209 A		209 A		209 A								

Legend:
FOR LOAD TYPES: R = RECEPTACLE, L = LIGHTING, H = HEATING, C = COOLING, EQ = MISCELLANEOUS EQUIPMENT, M = MOTOR, NM = NON-CONTINUOUS MOTOR, O = OTHER, K = KITCHEN EQUIPMENT, E = ELECTRIC RANGE

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	173758 VA	103.71%	180201 VA		
				Total Conn. Load:	173758 VA
				Total Est. Demand:	180201 VA
				Total Conn. Current:	209 A
				Total Est. Demand Current:	217 A

Notes:

Branch Panel: RP-1C

Location: OPEN COLLAB 202
Supply From: RDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 125 A

Notes:
EXISTING ELECTRICAL PANEL. REVISE AS INDICATED: [N] INDICATES NEW CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER. PROVIDE UPDATED TYPED PANELBOARD DIRECTORY.

CKT	Circuit Description	Load Type	Conduit	Wire Size	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Wire Size	Conduit	Load Type	Circuit Description	CKT
1	CP-1	--	--	--	20 A	1	530	725					2	20 A	#12	3/4"	M	IU's SERVING BCC-2	2
3	WH-1	--	--	--	20 A	1			180	725			--	--	--	--	--	--	4
5	IU SERVING ACCU-3	M	3/4"	#12	20 A	2					967	967	2	20 A	#12	3/4"	M	IU SERVING ACCU-4	6
7	--	--	--	--	--	--	967	967					--	--	--	--	--	--	8
9	BCC-1, 2	M	3/4"	#12	20 A	2			27	2288			2	25 A	#10	3/4"	M	[N] ACCU-5	10
11	--	--	--	--	--	--					27	2288	--	--	--	--	--	--	12
13	IU's SERVING BCC-1	M	3/4"	#12	20 A	2	357	2288					2	25 A	#10	3/4"	M	[N] ACCU-6	14
15	--	--	--	--	--	--			357	2288			--	--	--	--	--	--	16
17	EF-1	--	--	--	20 A	1					1176	1176	1	20 A	--	--	--	ESP-1	18
19	EF-2	--	--	--	20 A	1	700	3952					2	40 A	#8	3/4"	M	[N] ACCU-3	20
21	VESDA SYSTEM	--	--	--	20 A	1			200	3952			--	--	--	--	--	--	22
23	LRP-1A	--	--	--	20 A	1					500	0	1	20 A	--	--	--	SPARE	24
25	LRP-1B	--	--	--	20 A	1	500	0					1	20 A	--	--	--	SPARE	26
27	SPARE	--	--	--	20 A	1			0	3952			2	40 A	#8	3/4"	M	[N] ACCU-4	28
29	SPARE	--	--	--	20 A	1					0	3952	--	--	--	--	--	--	30
31	SPARE	--	--	--	20 A	1	0	0					1	20 A	--	--	--	SPARE	32
33	SPARE	--	--	--	20 A	1			0	0			1	20 A	--	--	--	SPARE	34
35	SPARE	--	--	--	20 A	1					0	0	1	20 A	--	--	--	SPARE	36
37	SPARE	--	--	--	20 A	1	0	0					1	20 A	--	--	--	SPARE	38
39	SPARE	--	--	--	20 A	1			0	0			1	20 A	--	--	--	SPARE	40
41	SPARE	--	--	--	20 A	1					0	0	1	20 A	--	--	--	SPARE	42
						Total Load:	10986 VA		13969 VA		11053 VA								
						Total Amps:	92 A		116 A		92 A								

Legend:
FOR LOAD TYPES: R = RECEPTACLE, L = LIGHTING, H = HEATING, C = COOLING, EQ = MISCELLANEOUS EQUIPMENT, M = MOTOR, NM = NON-CONTINUOUS MOTOR, O = OTHER, K = KITCHEN EQUIPMENT, E = ELECTRIC RANGE

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	31045 VA	106.36%	33021 VA		
Spare	4962 VA	100.00%	4962 VA		
				Total Conn. Load:	36007 VA
				Total Est. Demand:	37983 VA
				Total Conn. Current:	100 A
				Total Est. Demand Current:	105 A

Notes:

Branch Panel: HP-3

Location: MECHANICAL 124
Supply From: MDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 35000
Mains Type: MLO
Mains Rating: 225 A

Notes:
NEW PANELBOARD. ALL BRANCH CIRCUITS TO BE NEW.

CKT	Circuit Description	Load Type	Conduit	Wire Size	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Wire Size	Conduit	Load Type	Circuit Description	CKT
1	CU-5A	M	3/4"	#8	40 A	3	7482	7482					3	40 A	#10	3/4"	M	CU-7A	2
3	--	--	--	--	--	--			7482	7482			--	--	--	--	--	--	4
5	--	--	--	--	--	--					7482	7482	--	--	--	--	--	--	6
7	CU-5B	M	3/4"	#8	40 A	3	7482	7482					3	40 A	#10	3/4"	M	CU-7B	8
9	--	--	--	--	--	--			7482	7482			--	--	--	--	--	--	10
11	--	--	--	--	--	--					7482	7482	--	--	--	--	--	--	12
13	CU-6	M	3/4"	#6	50 A	3	8591												14
15	--	--	--	--	--	--			8591										16
17	--	--	--	--	--	--					8591								18
19																			20
21																			22
23																			24
25																			26
27																			28
29																			30
31																			32
33																			34
35																			36
37																			38
39																			40
41																			42
						Total Load:	38521 VA		38521 VA		38521 VA								
						Total Amps:	139 A		139 A		139 A								

Legend:
FOR LOAD TYPES: R = RECEPTACLE, L = LIGHTING, H = HEATING, C = COOLING, EQ = MISCELLANEOUS EQUIPMENT, M = MOTOR, NM = NON-CONTINUOUS MOTOR, O = OTHER, K = KITCHEN EQUIPMENT, E = ELECTRIC RANGE

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	115563 VA	105.58%	122006 VA		
				Total Conn. Load:	115563 VA
				Total Est. Demand:	122006 VA
				Total Conn. Current:	139 A
				Total Est. Demand Current:	147 A

Notes:

Branch Panel: RP-2C

Location: OPEN COLLAB 202
Supply From: RDP-1
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 125 A

Notes:
EXISTING ELECTRICAL PANEL. REVISE AS INDICATED: [N] INDICATES NEW CIRCUIT BREAKER TO REPLACE EXISTING CIRCUIT BREAKER. PROVIDE UPDATED TYPED PANELBOARD DIRECTORY.

CKT	Circuit Description	Load Type	Conduit	Wire Size	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Wire Size	Conduit	Load Type	Circuit Description	CKT
1	IU's SERVING BCC-7	M	3/4"	#12	15 A	2	335	14					2	15 A	#12	3/4"	M	BCC-7	2
3	--	--	--	--	--	--			335	14			--	--	--	--	--	--	4
5	IU's SERVING BCC-4	M	3/4"	#12	15 A	2					173	307	2	15 A	#12	3/4"	M	IU's SERVING BCC-6	6
7	--	--	--	--	--	--	173	307					--	--	--	--	--	--	8
9	IU's SERVING BCC-3A, 3B, 3C, 3D, 3E	M	3/4"	#12	15 A	2			1758	318			2	15 A	#12	3/4"	M	IU's SERVING BCC-5	10
11	--	--	--	--	--	--					1758	318	--	--	--	--	--	--	12
13	[N] ACCU-1	M	3/4"	#8	35 A	2	3536	700					1	20 A	--	--	--	TEF-1	14
15	--	--	--	--	--	--			3536	700			1	20 A	--	--	--	TEF-2	16
17	CF-1, 2, 3, 4, 5	M	3/4"	#12	20 A	1					920	51	2	15 A	#12	3/4"	M	[N] BCC-3A, 3B, 3C, 3D, 3E, 4, 5, 6	18
19	EF-3	--	--	--	20 A	1	1176	51					--	--	--	--	--	--	20
21	SPARE	--	--	--	20 A	1			0	0			1	20 A	--	--	--	SPARE	22
23	SPARE	--	--	--	20 A	1					0	3536	2	35 A	#8	3/4"	M	[N] ACCU-2	24
25	LRP-2A	--	--	--	20 A	1	500	3536					--	--	--	--	--	--	26
27	LRP-2B	--	--	--	20 A	1			500	0			1	20 A	--	--	--	SPARE	28
29	FSD	--	--	--	20 A	1					800	0	1	20 A	--	--	--	SPARE	30
31	SPARE	--	--	--	20 A	1	0	0					1	20 A	--	--	--	SPARE	32
33	SPARE	--	--	--	20 A	1			0	0			1	20 A	--	--	--	SPARE	34
35	SPARE	--	--	--	20 A	1					0	0	1	20 A	--	--	--	SPARE	36
37	SPARE	--	--	--	20 A	1	0	0					1	20 A	--	--	--	SPARE	38
39	SPARE	--	--	--	20 A	1			0	0			1	20 A	--	--	--	SPARE	40
41	SPARE	--	--	--	20 A	1					0	0	1	20 A	--	--	--	SPARE	42
						Total Load:	10327 VA		7160 VA		7862 VA								
						Total Amps:	87 A		60 A		66 A								

Legend:
FOR LOAD TYPES: R = RECEPTACLE, L = LIGHTING, H = HEATING, C = COOLING, EQ = MISCELLANEOUS EQUIPMENT, M = MOTOR, NM = NON-CONTINUOUS MOTOR, O = OTHER, K = KITCHEN EQUIPMENT, E = ELECTRIC RANGE

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	20973 VA	108.43%	22741 VA		
Spare	4376 VA	100.00%	4376 VA		
				Total Conn. Load:	25349 VA
				Total Est. Demand:	27117 VA
				Total Conn. Current:	70 A
				Total Est. Demand Current:	75 A

Notes:

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ Indiana, LLC

REGISTERED PROFESSIONAL ENGINEER
MICHAEL S. KRUMAN, JR.
No. 12300530
STATE OF INDIANA
SCOTT A. BRUNNER
SCOTT A. BRUNNER
01/30/2026

NO.	REVISION	DATE

DRAWN: EGF | CHK'D: MSK
DESIGNED: EGF
APPRV'D: MSK
DATE: JANUARY 30, 2026
PROJECT NUMBER 2461-2017-06

ELKHART
INDIANA TOLL ROAD CONCESSION COMPANY, LLC
INDIANA
ADMINISTRATION BUILDING HVAC REFRESH DESIGN

SCHEDULES

DRAWING NUMBER E6.2
ELECTRICAL

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