ADDENDUM NO. 01

PROJECT: **VIGO COUNTY JUVENILE CENTER SALLYPORT**
202 Crawford Street, Terre Haute, Indiana 47807

TO: All Prospective Bidders and others to whom Plans and Specifications for the above-referenced Project have been issued.

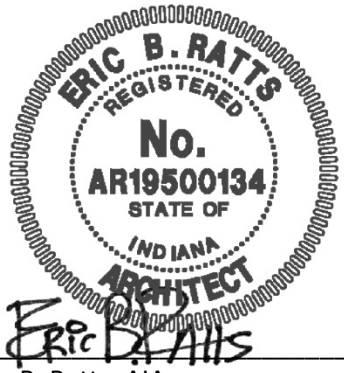
OWNER: **VIGO COUNTY BOARD OF COMMISSIONERS**
650 South 1st Street
Terre Haute, Indiana 47807
812.231.6200

ARCHITECT: **DLZ INDIANA, LLC**
138 North Delaware Street
Indianapolis, Indiana 46204
317.633.4120
DLZ Project Number: 2463-4014-90

DATE: **JULY 16, 2024**

The items included in this Addendum are to become a part of the original Contract Documents including Drawings and Project Manual dated May 24, 2024, as if included herein. Only these items are to be altered. The remainder of the original Drawings and Project Manual remain valid. Bidders must acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may subject the Bidder to disqualification.

CERTIFIED BY:



Eric B. Ratts, AIA
State of Indiana No. 19500134

PRE-BID MEETING NOTES

1. For any work inside the existing occupied facility, the Contractor shall coordinate with the Owner. The Owner shall escort the Contractor inside the existing occupied facility.
2. The Contractor shall not have cell phones inside the existing facility.
3. No photographs or videos shall include any juveniles or Owner employees, volunteers, etc.
4. The Contractor shall be required to inventory all tools, equipment, and materials before entering the occupied facility.
5. Any Contractor working onsite shall sign in daily with the Owner. The Owner may require Contractors to wear badges.

6. The Owner will not require background checks for the Contractor. This direction may change if there are any issues.
7. The Contractor may use the secure Outdoor Recreation area to store materials. The Contractor shall coordinate with the Owner.
8. It is the Contractor's option to provide a site fence.
9. The Owner will remove any loose items in the area of work. For example, this would include such items as a freezer, refrigerator, shelving, etc.
10. The Owner will vacate parking on the west side of the facility for staging. The Contractor shall coordinate with the Owner for the amount of area required.
11. The Contractor shall coordinate contractor parking with the Owner. The parking will be onsite at the direction of the Owner.
12. Reference attached for Sign In Sheet for the Pre-Bid Meeting. The Pre-Bid Meeting was not mandatory.

PROJECT MANUAL – VOLUME 1

No Changes

PROJECT MANUAL – VOLUME 2

No Changes

PROJECT MANUAL – VOLUME 3

No Changes

PROJECT MANUAL – VOLUME 4

No Changes

DRAWINGS – VOLUME I

ITEM NO. 1 ME0.2 MECHANICAL PLUMBING AND FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES

a. FIRE PROTECTION GENERAL NOTES. Revise Note #1 per the attached revised drawing.

ITEM NO. 2. ME1.0 PARTIAL FIRST FLOOR MECHANICAL AND ELECTRICAL INSTALLATION PLAN

a. 4/ME1.0. Relocated note 211302 from 3//ME1.0. See the attached revised drawing.
b. 4/ME1.0. Added note 211303 to Corridor (101). See the attached revised drawing.

ATTACHMENTS:

PRE-BID MEETING

Sign In Sheet

PROJECT MANUAL – VOLUME 1

No Changes

PROJECT MANUAL – VOLUME 2

No Changes

PROJECT MANUAL – VOLUME 3

No Changes

PROJECT MANUAL – VOLUME 4

No Changes

DRAWINGS – VOLUME 1

ME0.2 MECHANICAL PLUMBING AND FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS AND SCHEDULES.

ME1.0 PARTIAL FIRST FLOOR MECHANICAL AND ELECTRICAL INSTALLATION PLAN.

END OF ADDENDUM NO. 01

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES

INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

Client: Vigo County
Project: Juvenile Garage Addition
Date: July 9, 2024
Time: 9:00 AM

MEETING ATTENDANCE

Name	Initials	Organization	Email	Phone Number
Eric B. Ratts	EBR	DLZ Indiana, LLC	eratts@dlz.com	317.633.4120
John Major	JM	MSI Construction	jmajor@msi-construction.com	765-832-2472
Tony Payton	TP	Garmong Construction	tpayton@garmong.net	812-881-2454
Cody Nickless	CN	Crossroads Electric	CNickless@crossroadselectric.com	812-870-1924
Norm Loudermilk	NL	Vigo County Juvenile	norm.loudermilk@vigocounty.in.gov	812-231-5667

SPECIFICATIONS (HVAC PLUMBING AND FIRE PROTECTION):

1. ALL EQUIPMENT SHALL BE INSTALLED AND ADJUSTED AS REQUIRED TO PROVIDE SAFE AND SATISFACTORY OPERATING CONDITIONS. ALL MISCELLANEOUS AUXILLARY EQUIPMENT NECESSARY FOR OPERATION OF THE FINISHED SYSTEM SHALL BE PROVIDED EVEN THOUGH NOT SHOWN.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, TAXES, FEES AND OTHER COSTS IN CONNECTION WITH THE WORK.
3. LOCATIONS OF EQUIPMENT SHOWN ON DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED ON SITE. CONTRACTOR SHALL PROVIDE A FINISHED WORKMANLIKE JOB. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND LABOR PROVIDED BY HIM TO BE FREE OF DEFECTS AND SHALL AGREE TO REPLACE AND/OR REPAIR, WITHOUT COST TO THE OWNER, ANY SUCH DEFECTS WITHIN ONE YEAR OF THE DATE OF FINAL ACCEPTANCE.
4. IN CASE OF ANY DISCREPANCY BETWEEN VARIOUS DRAWINGS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY REFER THE MATTER TO THE ENGINEER FOR HIS INTERPRETATION BY MEANS OF A DULY ISSUED ADDENDA. ALL INTERPRETATIONS OF THE DRAWINGS AND SPECIFICATIONS SHALL REST SOLELY WITH THE ENGINEER AND HIS INTERPRETATION SHALL BE CONSIDERED AS FINAL. NO ORAL INTERPRETATION OF ANY KIND REGARDING ANY PART OF CONTRACT DOCUMENTS SHALL BE BINDING UPON THE OWNER, ARCHITECT/ENGINEER OR BIDDER. ANY ADDENDA ISSUED DURING THE TIME OF BIDDING SHALL BE INCLUDED IN THE BID PROPOSAL AND SHALL BECOME A PART OF THE CONTRACT DOCUMENTS UPON AWARD OF THE CONTRACT.
5. CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT AND VERIFY EXTENT OF DEMOLITION FOR BIDDING PURPOSES.
6. SUBMIT ELECTRONIC COPIES (PDF FILES) OF SHOP DRAWINGS SHOWING DETAILED ARRANGEMENT OF WORK BEFORE COMMENCING WORK ON THE JOB. SHOP DRAWINGS SUBMITTED SHALL BEAR STAMP OF APPROVAL OF CONTRACTOR AS EVIDENCE THAT DRAWINGS HAVE BEEN CHECKED BY HIM AND COMPLY WITH THE REQUIREMENTS OF CONTRACT DRAWINGS AND SPECIFICATIONS. ANY DRAWINGS SUBMITTED WITHOUT THIS STAMP OF APPROVAL WILL NOT BE CONSIDERED AND WILL BE RETURNED TO THE CONTRACTOR FOR RESUBMISSION. IF DRAWINGS SUBMITTED SHOW VARIATIONS FROM REQUIREMENTS OF CONTRACT, THE CONTRACTOR WILL MAKE SPECIFIC MENTION OF SUCH VARIATIONS IN HIS LETTER OF TRANSMITTAL IN ORDER THAT IF ACCEPTABLE SUITABLE ACTION MAY BE TAKE FOR PROPER ADJUSTMENT AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL RECORD ALL INSTALLED WORK INCLUDING CHANGES AND DEVIATIONS FROM DESIGN DRAWINGS. RECORDINGS SHALL BE MADE ON BLUE LINE PRINTS KEPT IN GOOD CONDITION AT THE JOB SITE AS WORK PROGRESSES AND BEFORE ANY WORK IS COVERED. UPON COMPLETION OF WORK, THE JOB SITE PRINTS SHALL BE DELIVERED TO THE DESIGN ENGINEER CERTIFIED THAT ALL WORK WAS INSTALLED AS SHOWN. AFTER APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL TRANSFER ALL DATA FROM PRINTS TO AUTOCAD/REVIT DRAWINGS. A CD, PDF AND TWO (2) SETS OF PRINTS SHALL BE DELIVERED TO THE ENGINEER. FINAL APPROVAL OF THE WORK AND FINAL PAYMENT SHALL BE WITHHELD UNTIL THE RECEIPT OF THE CD, PDF AND PRINTS.
8. CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISITING WORK.
9. FINISH PAINTING SHALL BE DONE UNDER THE GENERAL CONTRACT. FINISHED SURFACES OF EQUIPMENT SHALL BE TOUCHED UP WITH SAME PAINT AS APPLIED AT THE FACTORY.
10. CONTRACTOR SHALL MAKE TESTS TO DETERMINE THAT ALL SYSTEMS PROVIDED UNDER THIS CONTRACT ARE IN SATISFACTORY CONDITION TO BE STARTED.
11. THE WORK COVERED UNDER THIS DIVISION OF SPECIFICATIONS SHALL INCLUDE FURNISHING OF ALL EQUIPMENT, LABOR, MATERIALS AND TOOLS NECESSARY FOR A COMPLETE SYSTEM FOR HVAC, PLUMBING AND FIRE PROTECTION WORK, AS HEREIN SPECIFIED AND INDICATED ON THE DRAWINGS. ALL WORK SHALL BE GUARANTEED (PARTS AND LABOR) FOR A PERIOD OF ONE (1) YEAR.
12. RIGID DUCTWORK SHALL BE CONSTRUCTED OF NEW PRIME GRADE GALVANIZED STEEL. LOW PRESSURE DUCTWORK SHALL BE DESIGNED FOR STATIC PRESSURE RATING UP TO 2" WC. HIGH PRESSURE DUCTWORK SHALL BE USED FOR DUCT STATIC PRESSURE EXCEEDING 2" WC. DUCTWORK SHALL BE FABRICATED AS PER SMACNA STANDARDS.
13. PROVIDE FIRE AND/OR SMOKE DAMPERS IN FIRE AND SMOKE WALLS RESPECTIVELY WHETHER INDICATED ON THE PLANS OR NOT. DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, LATEST APPLICABLE EDITION. DAMPERS SHALL BE IN COMPLIANCE WITH UL STANDARD FOR FIRE DAMPERS, UL 555 AND SHALL BE UL LABELED, TESTED AND INSPECTED.
14. CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLETE ALL PLUMBING AND FIRE PROTECTION WORK AS SHOWN ON THE DRAWINGS OR HERIN SPECIFIED. THIS SHALL INCLUDE A PERFECTLY FUNCTIONING SYSTEM OF PLUMBING AND DRAINAGE.
15. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH SIL-FOS SILVALOY OR APPROVED EQUAL.
16. SANITARY AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 GALVANIZED STEEL, SCHEDULE 40 PVC WITH SOLVENT WELDED JOINTS, OR NO-HUB CAST IRON PIPE. NOTE: IF USED, PVC PIPING WITHIN CIRCULATED AIR PLENUMS SHALL BE COMPLETELY INSULATED WITH 1/2" THICK FIRE RETARDENT RETARDENT INSULATION MEETING THE REQUIRED FLAME AND SMOKE DEVELOP RATINGS.
17. DOMESTIC WATER PIPING SYSTEMS SHALL BE INSULATED AS FOLLOWS: (NOTE MAXIMUM OF TWO (2) MATERIALS MAY BE USED.

    A) DOMESTIC HOT WATER, COLD WATER AND RECIRCULATED WATER

    I) 1" THICK MOLDED GLASS FIBER - ALL SIZES
    II) 1" THICK ELASTOMERIC - UP TO AND INCLUDING 1-1/2"
    III) 1" RIGID PHENOLIC - ALL SIZES

    B) ALL SANITARY AND WASTE PIPING ABOVE GRADE (EXCEPT IN PLUMBING CHASES)

    I) 1" THICK MOLDED GLASS FIBER - ALL SIZES
    II) 1" THICK ELASTOMERIC - UP TO AND INCLUDING 1-1/2"
    III) 1" RIGID PHENOLIC - ALL SIZES
18. PREPARATION OF WORKING PLANS, CALCULATIONS AND FIELD TEST REPORTS FOR FIRE PROTECTION SYSTEMS SHALL BE CARRIED OUT BY A QUALIFIED FIRE PROTECTION ENGINEER LICENSED IN THE STATE OF THE INDIANA. FIRE PROTECTION PIPE SHALL BE OF SCHEDULE 40 GRADE.
19. AT ALL DUCTWORK PENETRATIONS PROVIDE DUCT SLEEVE. CAULK AIRTIGHT BETWEEN SLEEVE & DUCT, FULL PERIMETER. PROVIDE NON-SHRINK GROUT AROUND SLEEVE.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTLITY SHUTOFFS WITH THE OWNER. PROVIDE ISOLATION VALVES AS REQUIRED TO MINIMIZE IMPACT OF SHUTDOWNS.

PLUMBING GENERAL NOTES

1. INSTALLATION OF PLUMBING FIXTURES AND ACCESSORIES, INCLUDING FLUSH CONTROL VALVES INTENDED FOR PEOPLE WITH DISABILITIES, SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
2. INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
3. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
4. IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S) INCLUDING COSTS FOR ARCHITECT/ENGINEER REVIEW.
5. PROVIDE WATER HAMMER ARRESTERS AT PLUMBING FIXTURES AND GROUPS OF PLUMBING FIXTURES THAT ARE SUBJECT TO WATER HAMMER. SELECT ARRESTERS IN ACCORDANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE STANDARD.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.
7. ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF INDIANA WITH INDIANA AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.
8. INSTALL BALL VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING EQUIPMENT AND FIXTURES.
9. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR FIRE PROTECTION ITEMS MAY BE REQUIRED WHETHER INDICATED ON THE DRAWINGS 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.
10. ALL REQUIRED SHUT-OFF VALVES SHALL BE CLEARLY MARKED LOCATED IN THE SAME PLACE AND ACCESSIBLE WITHOUT A LADDER. SHUT-OFF VALVES LOCATED ABOVE THE CEILING THROUGHOUT THE BUILDING SHALL BE WITHIN 24" OF THE CEILING.
11. PROVIDE SIZES TO FIXTURES AS INDICATED ON PLANS, RISERS, AND SECTIONS. IF SIZE IS NOT INDICATED, PROVIDE SIZE SHOWN ON PLUMBING FIXTURE SCHEDULE.
12. PROVIDE HOUSING PADS FOR EQUIPMENT. PAD SIZES SHOWN ARE APPROXIMATE AND BASED ON BASIS OF DESIGN EQUIPMENT. PROPER EQUIPMENT OPERATION AND MAINTENANCE REQUIRES EQUIPMENT PADS SIZED TO SPECIFIC EQUIPMENT FURNISHED. SUBMIT COORDINATION DRAWINGS ILLUSTRATING PROPOSED PAD DIMENSIONS BASED ON APPROVED EQUIPMENT. DO NOT PERFORM LAYOUT WORK OR BEGIN FORM WORK PRIOR TO APPROVAL OF COORDINATION DRAWINGS.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS, CEILINGS ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING , PLUMBING FIXTURES ETC. PATCH AS NEEDED TO MATCH ADJACENT CONDITIONS.

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING MECHANICAL SYSTEMS TO DETERMINE EXTENT OF REMOVAL WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR IN SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE STATE OF INDIANA, OSHA, AND NFPA.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND INSPECTIONS.
5. ALL DEMOLITION WORK SHALL BE COORDINATED WITH DEMOLITION WORK SHOWN ON OTHER CONTRACT DRAWINGS.
6. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATIONS, AND QUANTITIES PRIOR TO BEGINNING WORK.
7. OWNER RESERVES THE RIGHT TO SALVAGE ANY EQUIPMENT OR MATERIAL INDICATED TO BE DEMOLISHED.
8. ALL ITEMS DESIGNATED TO BE REMOVED SHALL INCLUDE ALL EQUIPMENT, PIPING, HANGERS, AND POWER & CONTROLS ASSOCIATED WITH ITEM TO BE REMOVED. CAP ASSOCIATED PIPING, PATCH WALL TO MATCH EXISTING CONDITIONS WHERE THROUGH PENETRATIONS AND/OR REMOVALS OCCURRED. CAREFULLY AND SKILLFULLY REMOVE ALL ITEMS IN ORDER TO PREVENT DAMAGE. REPAIR FINISHES TO MATCH EXISTING. OWNER HAS SALVAGE RIGHTS TO ALL REMOVALS. COORDINATE WITH THE OWNER SPECIFIC SALVAGE ITEMS PRIOR TO REMOVAL.
9. CONTRACTOR REQUIRED TO COORDINATE AREAS OF DEMOLITION WORK WITH OWNER'S REPRESENTATIVE IN ORDER TO HAVE AREAS CLEARED. CONTRACTOR TO IDENTIFY AND BLOCK OFF THESE AREAS OF CONSTRUCTION.
10. PATCH, REPAIR, RESTORE AND REFINISH ALL ADJACENT MATERIALS AND CONSTRUCTION INTENDED TO REMAIN TO LIKE-NEW CONDITION AS WELL AS CORRECTION OF DAMAGE RESULTING FROM DEMOLITION OR NEW CONSTRUCTION ACTIVITIES. PATCH AND REPAIR EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION AND PREPARE THEM FOR NEW CONSTRUCTION. INFILL VOIDS LEFT BY DEMOLITION TO MATCH SURROUNDING.
12. IF ADDITIONAL EQUIPMENT IS DETERMINED REQUIRED TO BE DISCONNECTED OR REMOVED DURING DEMOLITION FOR NEW INSTALLATION PURPOSED, VERIFY WITH ENGINEER AND OWNER'S REPRESENTATIVE BEFORE DISCONNECTION AND/OR REMOVAL.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY SUPPORTING DEVICES IN THE CEILINGS TO BE REPLACED INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLES, SPRINKLERS ETC. REINSTALL EXISTING COMPONENTS OR PROVIDE NEW COMPONENTS AS INDICATED ON THE PLANS UPON REPLACEMENT OF CEILINGS OR ROOM LAYOUT MODIFICATIONS.
14. CONTRACTOR SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER PRIOR TO ANY INSTALLATION. PROVIDE ISOLATION VALVES AS NECESSARY.

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BT	BRINE TANK
BV	BALANCING VALVE
CONT	CONTINUATION
CW	CW
DN	DOWN
DWG.	DRAWING
ELEV.	ELEVATION
FBG	FROM BELOW GRADE
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FUT	FUTURE
G	NATURAL GAS
GPM	GALLONS PER MINUTE
HW	HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
LKW	LAVATORY KITCHEN
W	WASTE
MAX	MAXIMUM
MIN	MINIMUM
OS&Y	OUTSIDE SCREW & YOKE
PHE	PLATE HEAT EXCHANGER
ST	STORM
SQFT	SQUARE FEET
TBG	TO BELOW GRADE
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TS	TEMPERATURE SENSOR
TYP	TYPICAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

PLUMBING SYMBOLS

DCW (S)	DOMESTIC SOFTENED COLD WATER
DCW (R)	DOMESTIC RAW COLD WATER
DHW	DOMESTIC HOT WATER
HW-140	DOMESTIC HOT WATER (140)
DHWR	HOT WATER RETURN
SAN	SANITARY ABOVE GROUND
SAN	SANITARY BELOW GROUND
ST	STORM ABOVE GROUND
ST	STORM BELOW GROUND
V	ABOVE GROUND VENT
V	BELOW GROUND VENT
	BALL VALVE
	CALIBRATED BALANCING VALVE
	CHECK VALVE
	SINGLE LINE - PIPE DROP
	SINGLE LINE - PIPE RISE
	SINGLE LINE - PIPE RISE TEE
	SINGLE LINE - PIPE DROP TEE
	TWO LINE - PIPE DROP
	TWO LINE - PIPE RISE

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.
	EXHAUST GRILLE (SQUARE)
	VOLUME DAMPER
	CONNECT TO EXISTING
X / X	EQUIPMENT TYPE (SEE ABBREVIATIONS) / SCHEDULE #
T	THERMOSTAT
XXXXXX	KEYNOTE
CO	CARBON MONOXIDE SENSOR
NO2	NITROGEN DIOXIDE SENSOR
FPW	FIRE PROTECTION WET

MECHANICAL ABBREVIATIONS:

AMPS	AMPERES
ADJ.	ADJUSTABLE
APD	AIR PRESSURE DROP
A.F.F.	ABOVE FINISHED FLOOR
CFM	CUBIC FEET PER MINUTE
CO.	COMPANY
DSP	DUCT STATIC PRESSURE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
ELECT.	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
F	FIRE DAMPER
FPM	FEET PER MINUTE
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FT	FEET
GC	GENERAL CONTRACTOR
HP	HORSE POWER
HR	HOUR
I.D.	IDENTIFICATION
IH	INTAKE HOOD
MBH	1000 BRITISH THERMAL UNITS PER HOUR

IN	INCH
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LBS	POUNDS
LWB	LEAVING WET BULB
MAX	MAXIMUM
MIN.	MINIMUM
NO.	NUMBER
OA	OUTSIDE AIR
PH	PHASE
PSI.	POUNDS PER SQUARE INCH
RF	RELIEF AIR FAN
RH	RELIEF AIR HOOD
RM	ROOM
SE	SMOKE EXHAUST
S	SMOKE DAMPER
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TSP	TOTAL STATIC PRESSURE
VAV	VARIABLE AIR VOLUME BOX
VOLTS	VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W.C.	WATER COLUMN
W.O.	WALL OPENING
WPD	WATER PRESSURE DROP

MECHANICAL GENERAL 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. 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, PLUMBING, OR FIRE PROTECTION 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. ALL AIR DEVICES IN CMU WALLS SHALL MATCH BLOCK COURSING.
    I. 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 HANGER SYSTEMS FOR PIPING, DIFFUSERS, GRILLES, DUCTWORK AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM.
10. COORDINATE ALL WORK WITH EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.
11. CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
12. 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.
13. REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PATCHING, SAW CUTTING OF WALLS, FLOORS, CEILINGS ETC. AS NEEDED FOR INSTALLATION OF NEW EQUIPMENT, PIPING , DUCTWORK ETC. PATCH AS NEEDED TO MATCH ADJACENT CONDITIONS.
15. FOR ANY 24 V EQUIPMENT OR ACCESSORY NEEDING POWER, DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POWER UPSTREAM OF THE TRANSFORMER. DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR 24 V POWER DOWNSTREAM OF TRANSFORMER.
16. FOR EQUIPMENT NOT BEING DEMOLISHED OR TO REMAIN AS EXISTING, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POSSIBLE MEANS AND METHODS REQUIRED FOR TEMPORARY SUPPORTS AND REINSTALLS.
17. NUMEROUS PENETRATIONS ARE REQUIRED THROUGH EXISTING MULTI-WYTHE LOAD BEARING MASONRY WALLS.
    A. PROVIDE LINTEL AT PENETRATION CONSISTING OF (1) L3 1/2x3 1/2x3/8 FOR EACH 4" THICKENESS OF MASONRY WALL AT ALL PENETRATIONS GREATER THAN 12" IN WIDTH.
    B. GROUPS OF PENETRATIONS SHALL BE TREATED AS ONE PENETRATION WHERE PENETRATIONS ARE PLACED CLOSER THAN 12" IN PLAN.
    C. ALL LINTELS SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END ON SOLID MASONRY.
    D. IN NO CASE SHALL ANY PENETRATION AS DESCRIBED ABOVE EXCEED 4'-0". CONTACT ENGINEER FOR DIRECTION.
    E. IN NO CASE SHALL PENETRATIONS BE PLACED DIRECTLY BELOW ANY BEAM OR LINTEL BEARING.
    F. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED TO PLACE LINTELS FOR REQUIRED PENETRATIONS.
21. ALL DDC CONTROLS SHALL BE BACNET IP INCLUDING BUT NOT LIMITED TO UNITARY CONTROLS. PROVIDE CONTROLS TO ALLOW FOR DAISY CHAIN CONNECTION.

LOUVER SCHEDULE

TAG		MANUFACTURER	MODEL	DESIGNATION	NOMINAL DIMENSIONS (IN) WIDTH	HEIGHT	DEPTH	FREE AREA (SF)	AIRFLOW (CFM)	VELOCITY (FPM)	WEIGHT (LBS)	NOTES
L	1	GREENHECK	ESD-635-24x16	INTAKE	24	16	6	0.9	860	933	10	1
L	2	GREENHECK	ESD-635-24x16	EXHAUST	24	16	6	0.9	500	546	9	1

NOTES:
1. COORDINATE LOUVER COLOR WITH ARCHITECTURE.

ELECTRIC UNIT HEATER SCHEDULE

TAG		MANUFACTURER	MODEL	CAPACITY (MBH)	ELECTRICAL DATA VOLTAGE	PHASE	KW	FLA	FAN MOTOR DATA CFM	RPM	HP	NOTES
EUH	1	QMARK	MUH-07-8	25.6	208	3	7.5	20.8	650	1600	1/30	1,2
EUH	2	QMARK	MUH-07-8	25.6	208	3	7.5	20.8	650	1600	1/30	1,2

NOTES:
1. PROVIDE STARTER/DISCONNECT.
2. MOUNTING HEIGHT TO BE 8' A.F.F.

EXHAUST FAN SCHEDULE

TAG		MANUFACTURER	MODEL	DRIVE TYPE	AIRFLOW (CFM)	EXTERNAL SP (IN WG)	MOTOR (RPM)	MOTOR (HP)	ELECTRICAL DATA VOLTAGE	PHASE	FLA	NOTES
EF	1	GREENHECK	G-130-VG	DIRECT	860	.25	813	1/4	115	1	3.8	1,2,3

NOTES:
1. PROVIDE STARTER/DISCONNECT.
2. FAN TO TURN ON WHENEVER CO CONCENTRAION EXCEEDS 25 PPM (ADJ.) AND NO2 CONCENTRATION EXCEEDS 1 PPM (ADJ.). FAN SHALL TURN OFF WHENVEVER CONCENTRATIONS FOR CO AND NO2 FALL BELOW 20 PPM (ADJ.). AND .7 PPM (ADJ.) RESPECTIVELY. PROVIDE MOTOR RATED TOGGLE SWITCH (WITH THERMAL OVERLOAD, OVERLOAD RESET, AND RED "ENERGIZED" LED PILOT LIGHT) TO TURN ON THE FAN. ALARM SHALL BE PROVIDED IF USER TURNS OFF THE MANUAL SWITCH AND FAN REMAINS OFF FOR MORE THAN 15 MINS (ADJ.). LOCATE SWITCH IN SALLY PORT.
3. PROVIDE GFCI RECEPTICAL WITH WEATHERPROOF COVER.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION	BASIS OF DESIGN	SAN/WASTE	VENT	COLD WATER	HOT WATER	REMARKS
S-1	HAND SINK	■BOWL - ONE (1) 38-1/2"x29-13/16"x43-3/4" 16 GA ONE COMPARTMENT SINK W/ 18" RIGHT DRAIN BOARD AND STAINLESS-STEEL LEGS. CENTER HOLE DRAIN. ■ FAUCET – CHROME PLATE BRASS, 8" CENTERSET WALL MOUNT 44" FLEXIBLE HOSE WITH 1.2 GPM SPRAY HEAD. 2" LEVEL HANDLES. 8" ARC TUBE SPOUT■ DRAIN AND TRAP - LOOSE KEY ANGLE STOP, 3/8"IPS, CHROME PLATED INLET, 3/8" O.D. FLEXIBLE RISER, AND WALL ESCUTCHEON. PROVIDE CAST BRASS P-TRAP, SINK DRAIN, AND FITTINGS.	■ BOWL - ELKAY MODEL 14-1C18X24-R-18X ■ FAUCET - ELKAY MODEL LK943AF08LC ■ DRAIN – ELKAY MODEL LK18B ■ TRAP – ELKAY	2"	1 1/4"	1/2"	1/2"	-

WATER HAMMER ARRESTOR SCHEDULE

TYPE	FIXTURE UNIT RATING	I.P.S.	MODEL
WHA-A	1-11	3/4"	5005

FIRE PROTECTION GENERAL NOTES: 1

1. THE BUILDING EXISTING SPRINKLER SYSTEM SHALL BE EXTENDED TO COVER NEW ADDITION, INCLUDING THE RENOVATIONS OF THE EXISTING SALLYPORT, AS NOTED ON THE DRAWINGS.
2. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED. DESIGN DENSITIES AND SPRINKLER HEAD COVERAGE SHALL BE PROVIDED AS PER NFPA-13 STANDARDS BASED ON OCCUPANCY AND FIRE HAZARD TYPES.
3. HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE NFPA-13 STANDARD.
4. ALL PIPING SHALL BE CONCEALED IN AREAS WITH FINISHED CEILINGS.
5. ALL FLOW TEST DRAINS SHALL BE PIPED TO A SUITABLE DRAIN THAT DISCHARGES TO THE EXTERIOR OF THE BUILDING OR AS INDICATED ON THE DRAWINGS.
6. AUXILIARY DRAINS SHALL BE PROVIDED, WHERE REQUIRED, FOR SYSTEM DRAINAGE.
7. COORDINATE FIRE SPRINKLER WORK WITH ARCHITECTURAL (REFLECTED CEILING PLAN), ELECTRICAL (LIGHTING), HVAC (DUCTWORK AND PIPING), AND PLUMBING, BEFORE COMMENCING WORK.
8. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR COSTS, PERMIT FEES AND EQUIPMENT REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL SPRINKLER SYSTEM, AS INDICATED IN THE CONTRACT DOCUMENTS.
9. CONTRACTOR SHALL PREPARE AND SUBMIT SPRINKLER PLANS AND PRODUCT DATA SHEETS THAT CONTAIN SUFFICIENT DETAIL FOR THE AUTHORITIES HAVING JURISDICTION TO EVALUATE THE HAZARD AND EFFECTIVENESS OF THE SPRINKLER SYSTEM.
10. INSTALLATION OF THE FIRE SUPPRESSION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, THE STATE OF INDIANA FIRE CODE, AND OTHER LOCAL FIRE CODE AUTHORITY HAVING JURISDICTION.
11. HYDRAULIC CALCULATIONS AND SHOP DRAWINGS SUBMITTALS SHALL BE SIGNED AND STAMPED BY A QUALIFIED FIRE PROTECTION PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA.
12. ANY CONFLICTS WHICH OCCUR DUE TO LACK OF COORDINATION OF THE SPRINKLER CONTRACTOR WITH OTHER DIVISIONS SHALL BE CORRECTED BY THE SPRINKLER CONTRACTOR WITH NO FURTHER EXPENSE TO OWNER.
13. SPRINKLER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE NFPA-13 AND BY THE AUTHORITY HAVING JURISDICTION BEFORE COMMISSIONING THE SPRINKLER SYSTEMS.
14. REFER TO ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS.
15. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO DRAIN BACK TO ALARM VALVES OR DRAIN STATIONS.
16. PIPE ROUTINGS ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ARCHITECTURAL DRAWINGS FOR UNDERSTANDING OF CEILING CONDITIONS AND WHERE PIPING IS ROUTED TO REMAIN CONCEALED IN OCCUPIED AREAS.
17. ALL FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED TO NOT BE ROUTED OVER ELECTRICAL EQUIPMENT.

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DLZ Indiana, LLC

07/16/2024
JOSHUA R. APLING REGISTERED PE 10910274 STATE OF INDIANA PROFESSIONAL ENGINEER

NO.	REVISION	DATE
1	ADDENDUM #1	7/16/2024

DRAWN: QK,RW CHK'D: JRA
DESIGNED: QRWK
APPRV'D: JRA
DATE: MAY 24, 2024
PROJECT NUMBER
2463-4014-90

TERRE HAUTE INDIANA
VIGO COUNTY COMMISSIONERS
VIGO COUNTY JUVENILE CENTER SALLYPORT
MECHANICAL PLUMBING AND FIRE PROTECTION GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SPECIFICATIONS, AND SCHEDULES

DRAWING NUMBER
ME0.2
MECHANICAL

GENERAL NOTES:

A. REFER TO ME0.1 AND G1.1 FOR GENERAL INFORMATION NOTES, SYMBOLS, AND ABBREVIATIONS.

B. BOLD/HEAVY AND SOLID LINES INDICATE NEW ELECTRICAL TO BE INSTALLED UON.

C. SHADED LINES INDICATE EXISTING ELECTRICAL TO REMAIN UON.

D. ALL NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING SIMPLEX #4010 SERIES SYSTEM. EXISTING FIRE ALARM CONTROL LOCATED IN CONTROL ROOM #39; FIELD VERIFY EXACT LOCATION OF CONTROL PANEL.

E. SURFACE MOUNTED DEVICE BOXES SHALL NOT BE ACCEPTABLE UNLESS OTHERWISE NOTED AND/OR APPROVED BY ENGINEER AT SPECIFIC LOCATION(S).

F. CONCEAL ALL ELECTRICAL WORK (I.E. CONDUITS, J-HOOKS, ETC.) UNLESS OTHERWISE NOTED AND/OR APPROVED BY ENGINEER AT SPECIFIC LOCATION(S).

G. FOR PANELBOARD SCHEDULE, SEE DRAWING ME0.1.

H. FOR LIGHTING FIXTURE SCHEDULE, SEE DRAWING ME0.1. REFER TO REMARKS COLUMN ON LIGHTING FIXTURE SCHEDULE FOR FIXTURE MOUNTING HEIGHTS AND REQUIREMENTS UON ON THIS DRAWING.

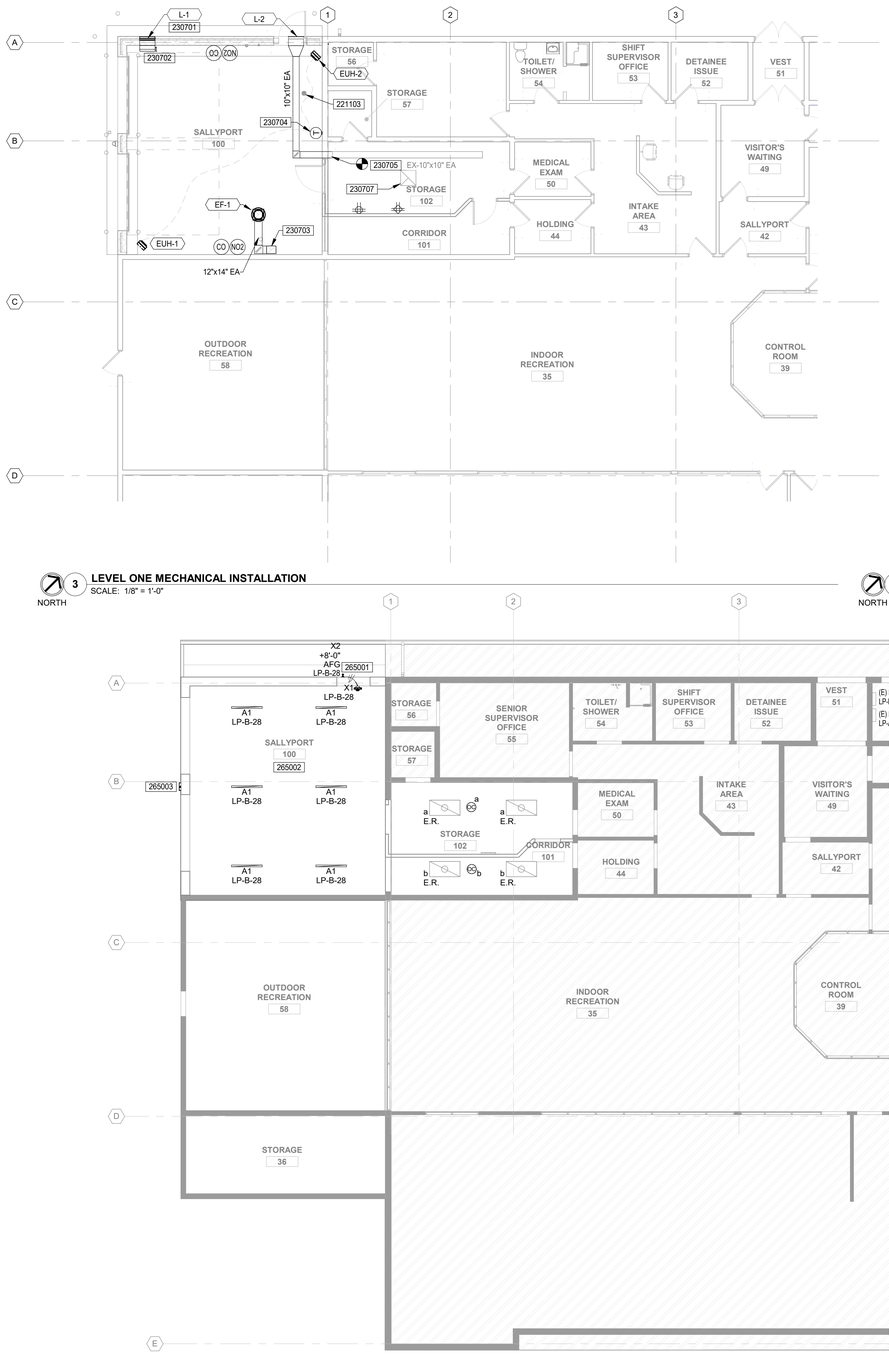
I. DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO ARCHITECTURAL DIMENSIONED DRAWINGS.

J. COORDINATE ALL WORK WITH OTHER TRADES TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT OBSTRUCTIONS.

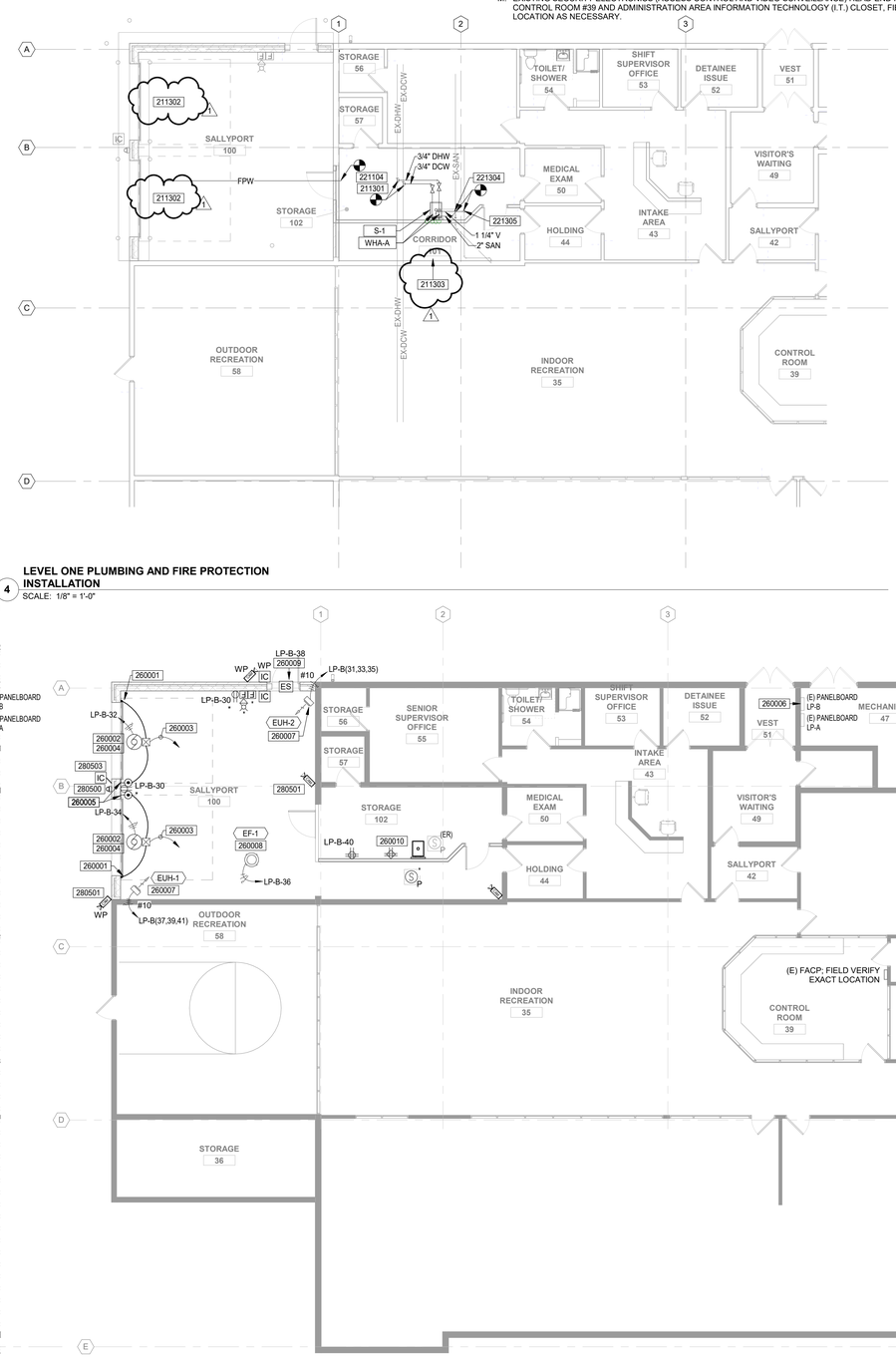
K. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RSPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONSAL SUPPORTS, ADDITIONAL MATERIAL, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.

L. REFER TO DRAWING AD2.1, DETAIL #3 FOR ELECTRICAL DEMOLITION AND/OR RELOCATION WORK ON THE EXTERIOR OF THE BUILDING.

M. EXISTING SECURITY ELECTRONICS (ACCESS CONTROL AND VIDEO SURVEILLANCE) HEAD-END PANEL IS LOCATED IN CONTROL ROOM #39 AND ADMINISTRATION AREA INFORMATION TECHNOLOGY (I.T.) CLOSET, FIELD VERIFY EXACT LOCATION AS NECESSARY.



3 LEVEL ONE MECHANICAL INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH



4 LEVEL ONE PLUMBING AND FIRE PROTECTION INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH

2 PARTIAL FIRST FLOOR LIGHTING PLAN - INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH

1 PARTIAL FIRST FLOOR ELECTRICAL/SYSTEMS PLAN - INSTALLATION
SCALE: 1/8" = 1'-0"
NORTH

KEYNOTES

211301 EXTEND EXISTING FIRE PROTECTION WET PIPE SERVING STORAGE (45) TO SERVE NEW 670 S.F. SALLYPORT (100) ADDITION. PROVIDE UPRIGHT SPRINKLER HEADS SPACED PER NFPA-13.

211302 LOCATE SPRINKLER HEADS BELOW OVERHEAD DOORS AS REQUIRED.

211303 RELOCATE AND ADD SPRINKLER HEADS AS NEEDED FOR NEW CORRIDOR (101).

221103 EXISTING FLOOR CLEANOUT TO REMAIN.

221104 TAP NEW 3/4" DOMESTIC COLD AND HOT PIPING SERVING S-1 INTO EXISTING MAIN

221304 CONTRACTOR TO LOCATE EXISTING BELOW GRADE SANITARY MAIN AND CONNECT NEW 2" SANITARY BRANCH TO SERVE S-1.

221305 CONTRATOR TO LOCATED EXISTING VENT ABOVE CEILING AND CONNECT NEW 1'-1/4" VENT SERVING S-1.

230701 PROVIDE 24" PLENUM IN FRONT OF LOUVER, SLOPE BOTTOM OF PLENUM TOWARDS THE LOUVER.

230702 MOTORIZED DAMPER INTERLOCKED TO OPEN WHENEVER EF-1 IS TURNED ON. MOTORIZED DAMPER SHALL SHUTOFF 30 SECONDS (ADJ.) AFTER EF-1 IS TURNED OFF.

230703 OPENING ON BOTTOM OF DUCT TO BE LOCATED 8" A.F.F. AND PROVIDE WIRE MESH COVER.

230704 THERMOSTAT TO SERVE EUH-1,2. PROVIDE SECURITY COVER.

230705 EXISTING EXHAUST LOUVER TO BE REMOVED. CONTRACTOR TO INSTALL NEW LOUVER AT LOCATION SHOWN. EXTENDED DUCTWORK SERVING STORAGE (45) AS SHOWN.

230707 RELOCATE EXISTING SUPPLY DIFFUSER CENTER OF ROOM AS NEEDED. COORDINATE FINAL LOCATION WITH EXISTING LIGHTS.

260001 OVERHEAD DOOR SAFETY INTERLOCK DEVICES FURNISHED BY OVERHEAD DOOR VENDOR AND INSTALLED/WIRED BY CONTRACTOR.

260002 OVERHEAD DOOR TO BE CONTROLLED FROM SECURITY ELECTRONICS CONTROL PANEL IN CONTROL ROOM #39. FURNISH AND INSTALL CONTROL WIRING AS NEEDED BETWEEN DOOR AND CONTROL PANEL IN 3/4"C. PER MANUFACTURER'S RECOMMENDATION. VERIFY EXACT LOCATION OF CONTROL PANEL BEFORE ROUGH-IN.

260003 FURNISH AND INSTALL 3/4"C (WITH PULLSTRING) FROM EACH OVERHEAD SECTIONAL DOOR STARTER/CONTROLLER TO SECURITY ELECTRONICS CONTROL PANEL FOR ACCESS CONTROL WIRING. SECURITY ELECTRONICS CABLE AND CABLE TERMINATIONS PROVIDED BY OWNER'S PREFERRED SECURITY ELECTRONICS VENDOR UNDER SEPARATE OWNER CONTRACT. REFER TO DOOR SCHEDULE ON ARCHITECTURAL DRAWING A3.1 FOR DOORS AND ASSOCIATED ELECTRICAL DOOR HARDWARE (I.E. DOOR STRIKE, DOOR POSITION, DOOR ACTUATOR/CONTROLLER, DOOR POWER SUPPLY, ETC.). COORDINATE WITH DOOR HARDWARE VENDOR AND ACCESS CONTROL VENDOR, PRIOR TO CONSTRUCTION, TO FIELD COORDINATE EXACT LOCATIONS FOR POWER SUPPLY LOCATIONS AND VENDOR RESPONSIBILITY; WHERE POSSIBLE, CENTRALIZE DOOR POWER SUPPLIES IN MECHANICAL/ELECTRICAL ROOM. REFER TO GENERAL NOTE 'E' ON DRAWING A3.1 FOR ADDITIONAL COORDINATION REQUIREMENTS.

260004 FURNISH AND INSTALL POWER (20A, 120V) AND CONTROL WIRING FOR OVERHEAD SECTIONAL DOOR CONTROLLERS. DOOR SAFETIES/LIMIT SWITCHES AND KEYED OPEN-STOP-CLOSE PUSHBUTTON CONTROLLER STATION (AS INDICATED) FURNISHED BY OVERHEAD SECTIONAL DOOR EQUIPMENT VENDOR. INSTALL DOOR SAFETIES/LIMIT SWITCHES, DOOR STARTER/CONTROLLER, AND PUSHBUTTON CONTROL STATION PER MANUFACTURER RECOMMENDATIONS. FURNISH AND INSTALL ALL CABLING/CONDUIT REQUIRED FOR COMPLETE SYSTEM. FIELD-COORDINATE, PRIOR TO CONSTRUCTION, THE EQUIPMENT INSTALLATION AND CABLING/CONDUIT REQUIREMENTS WITH THE OVERHEAD SECTIONAL DOOR EQUIPMENT VENDOR.

260005 KEYED OVERHEAD DOOR OPEN-CLOSE-STOP PUSHBUTTON CONTROL STATION FURNISHED BY OVERHEAD DOOR EQUIPMENT VENDOR. MOUNT TOP OF CONTROL STATION AT +48" AFF. FIELD COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION. WIRE PER MANUFACTURER'S RECOMMENDATION.

260006 CONTRACTOR TO PROVIDE TEMPORARY METERING IN COMPLIANCE WITH NEC REQUIREMENTS TO ENSURE PANEL 'LP-B' HAS SUFFICIENT CAPACITY TO ACCOMMODATE ADDITIONAL LOAD. AT END OF METERING PERIOD, FORWARD METERING DATA TO ELECTRICAL ENGINEER FOR REVIEW. ALL METERS USED SHALL BE CALIBRATED WITHIN 12 MONTHS OF THE START DATE OF USE. METERS SHALL BE INSTALLED FOR NO LESS THAN 30 DAYS. METERS SHALL BE CAPABLE OF RECORDING DATA IN 15 MINUTE INCREMENTS AND SHALL PROVIDE MIN/MAX VOLTAGE PER PHASE AND TO GROUND AS WELL AS MIN/MAX AMPERAGES AND KW USED. CONTRACTOR TO PROVIDE ENGINEER WITH METER INFORMATION AFTER BID HAS BEEN AWARDED. UPON ENGINEER REVIEW OF METERING RESULTS SUBMITTED, IF EXISTING PANELBOARD AMPACITY (OR UPSTREAM DISTRIBUTION) IS EXCEEDED, ENGINEER WILL ISSUE ASI (ARCHITECT SUPPLEMENTAL INSTRUCTIONS) TO PROVIDE FURTHER DIRECTION TO CONTRACTOR FOR REVISIONS WHERE NECESSARY.

260007 NEW ELECTRIC UNIT HEATER, 7.5KW, 208V, 3-PHASE. UNIT PROVIDED WITH STARTER/DISCONNECT. STARTER/DISCONNECT TO BE MOUNTED/WIRED BY CONTRACTOR. CONNECT TO CIRCUIT INDICATED USING 3#10+#10G. IN 3/4"C.

260008 NEW EXHAUST FAN, 1/4HP, 120V, 1-PHASE. UNIT PROVIDED WITH STARTER/DISCONNECT. STARTER/DISCONNECT TO BE MOUNTED/WIRED BY CONTRACTOR. CONNECT TO CIRCUIT INDICATED USING 2#12+#12G. IN 3/4"C.

260009 PROVIDE 120VAC TO DOOR CONTROLLER/POWER SUPPLY (I.E. FOR ACCESS CONTROL DEVICES/HARDWARE. COORDINATE EXACT LOCATION WITH DOOR HARDWARE VENDOR/OWNER (ACCESS CONTROLS VENDOR) PRIOR TO CONSTRUCTION. CONNECT TO CIRCUIT SHOWN USING 2#12+G. IN 3/4"C.

260010 CONNECT TO SAME CIRCUIT AS EXISTING REMOVED SURFACE DUPLEX RECEPTACLES, REFER TO KEYNOTE 022603 ON DRAWING AD2.1 FOR MORE INFORMATION. MODIFY AND EXTEND CIRCUITRY AS NEEDED.

265001 MOUNT ON WALL WITH BOTTOM AT +8'-0" AFG. FIELD ADJUST AIMING OF FIXTURE HEADS TO ILLUMINATE THE EXTERIOR DISCHARGE STOOP AREA BELOW. REFER TO EXTERIOR BUILDING ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE LOCATION/HEIGHT. FIELD COORDINATE/VERIFY LOCATION/HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

265002 (TYPICAL FOR TYPE A1 LIGHTING FIXTURES) FIXTURES TO BE PENDANT MOUNTED (CHAIN) WITH BOTTOM AT +10'-0" AFF.

265003 RE-INSTALL EXISTING EXTERIOR WALL PACK IN LOCATION SHOWN. MOUNT FIXTURE AT +10'-0" AFG. MODIFY AND EXTEND EXISTING CIRCUIT AND CONTROL AS NEEDED TO NEW FIXTURE LOCATION.

280500 EXISTING SECURITY CAMERA TO BE RE-INSTALLED; FIELD COORDINATE/VERIFY EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. MODIFY AND EXTEND EXISTING CABLING AS NECESSARY TO RELOCATED SECURITY CAMERA; SPLICING OF EXISTING CABLING SHALL NOT BE ACCEPTABLE UNLESS APPROVED BY ENGINEER. REFER TO KEYNOTE #022800 ON DRAWING AD2.1 FOR LOCATION OF EXISTING CAMERA TO BE REMOVED AND RELOCATED.

280501 RE-INSTALL EXISTING REMOVED SECURITY CAMERA, REFER TO KEYNOTE #022800 ON DRAWING AD2.1 FOR MORE INFORMATION. CAMERA TO BE SURFACE MOUNTED ON WALL, PROVIDE ONE (1) 2-GANG SURFACE MOUNTED WEATHERPROOF DEVICE BOX ON WALL AT SAME HEIGHT AS EXISTING, FIELD VERIFY EXACT HEIGHT. MODIFY AND EXTEND EXISTING CABLING AS NEEDED TO RELOCATED CAMERA; SPLICING OF EXISTING CABLING SHALL NOT BE ACCEPTABLE UNLESS APPROVED BY ENGINEER.

280503 RE-INSTALL EXISTING REMOVED INTERCOM, REFER TO KEYNOTE #022801 ON DRAWING AD2.1 FOR MORE INFORMATION. SURFACE MOUNT ON WALL WITH BOTTOM AT +48" AFG. MODIFY AND EXTEND EXISTING CABLING AS NEEDED TO RELOCATED INTERCOM; SPLICING OF EXISTING CABLING SHALL NOT BE ACCEPTABLE UNLESS APPROVED BY ENGINEER.

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DLZ Indiana, LLC

07/16/2024
JOSHUA R. APLING — REGISTERED — PE 10000274 — STATE OF INDIANA — PROFESSIONAL ENGINEER

NO.	REVISION	DATE
1	ADDENDUM #1	7/16/2024

DRAWN: OK,RVI | CHK'D: JA,TF
DESIGNED: GRW,REW
APPRV'D: JRA,TKF
DATE: MAY 24, 2024
PROJECT NUMBER: 2463-4014-90

TERRE HAUTE INDIANA
VIGO COUNTY COMMISSIONERS
VIGO COUNTY JUVENILE CENTER SALLYPORT

PARTIAL FIRST FLOOR MECHANICAL AND ELECTRICAL INSTALLATION PLAN

DRAWING NUMBER: ME1.0
MECHANICAL

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7/15/2024 1:56:49 PM