STORY CONSTRUCTION

ADDENDUM NO. 2

Date: February 12, 2020

Project: IA DAS – Eldora STS
Decentralization Building Package
DAS RFB #898201-01
DAS Project 8982.01

QUESTIONS AND ANSWERS FROM THE PRE-BID MEETING:

Q1. In reference to detail 1A/08-A1.01 – We may run into issues (blowouts) with this many anchors into the brick, would epoxy be a better option.
A1. Yes, epoxy anchors may be substituted for the screw anchors. Submit exact product data for approval.

Q2. Are we expected to work off working hours?
A2. No, please reference 01 1200 paragraph 1.05A, regarding work hour restrictions.

Q3. Do we have to work around the kids' schedules if so, what does that entail?
A3. Since this is an open campus the presence of students/patrons will always pertain throughout the project duration, student access is restricted to the majority work areas for this project. During construction period of cottages, the students will be relocated to vacant cottage for the duration.

Q4. Is there an estimate for the individual bid package costs?
A4. There is no estimate in regards to estimated costs for each bid package, the total estimated cost for the project is $6.25 million.

SPECIFICATIONS ITEMS:

1. **22 3100 – Domestic Water Softeners**
   a. **DELETE "**..and stamped.." from paragraph 1.2.B. Tanks are not required to be ASME stamped.
2. **23 2214 – Steam and Condensate Heating Specialties**
   a. **REVISE** paragraph 2.2.C. The condensate receiver shall be "Cast iron ***or 3/16" thick welded steel…"***
3. **23 6213 - Packaged Air-Cooled Refrigerant Compressor and Condenser Units**
   a. **ADD** specification to project.

DRAWING ITEMS:

1. **DRAWINGS**
   a. **SHEET - 02-P6.00 – COTTAGE 3 & 4 PLUMBING SCHEDULES & DETAILS**

i. **REMOVE –** Detail A4 – CAST IRON FLOOR SINK – UL RATED

b. **SHEET – 02-M1.01 – COTTAGE 3 & 4 MECHANICAL PLANS GROUND FLOOR**

i. **REVISE** – KEYNOTE M-02-17, ADD "WALL PENETRATION HEIGHT APPROXIMATELY 8 FEET ABOVE MECHANICAL ROOM FLOOR" to end of keynote.

ii. **REVISE** – KEYNOTE M-02-18, ADD "WALL PENETRATION HEIGHT APPROXIMATELY 8 FEET ABOVE MECHANICAL ROOM FLOOR" to end of keynote.

c. **SHEET - 02-M5.00 - COTTAGES 3 & 4 MECHANICAL DETAILS & CONTROLS**

i. **REVISE** RTU INTEGRATION SCHEMATIC – delete references to VFD speed and fault on the exhaust fan. The exhaust fan is constant speed on/off. Provide status and start/stop integration only.

d. **SHEET 02-M6.00 – COTTAGE 3 & 4 MECHANICAL SCHEDULES**

i. **REVISE** - Design Basis on "AIR COOLED CONDENSING UNITS" from XC20 to XC16S and SEER to "14.5".

ii. **REVISE** - Design Basis on "FURNACE – GAS SCHEDULE" from EL296UH070XV36B to EL296UH070XE36B.

iii. **ADD** – On "FURNACE – GAS SCHEDULE" column for "MODEL" under "COOLING COIL DATA". Model on GF3-1 shall say "CX35-30/36B"

iv. **REVISE** – Exhaust Fan CFM on "PACKAGED ROOFTOP UNIT SCHEDULE" from "1600" to "1475" on RTU3-1 and RTU4-1.

e. **SHEET - 03-P6.00 – COTTAGE 5 & RECEIVING PLUMBING SCHEDULES & DETAILS**

i. **REMOVE –** Detail A4 – CAST IRON FLOOR SINK – UL RATED

f. **SHEET – 03-M1.01 – COTTAGE 5 & RECEIVING MECHANICAL PLANS GROUND FLOOR**

i. **ADD** – KEYNOTE M-03-15, "WATER HEATER COMBUSTION AIR AND VENT TERMINATIONS APPROXIMATELY 8 FEET ABOVE MECHANICAL ROOM FLOOR" to water heater combustion and vent wall penetrations.

g. **SHEET - 03-M5.01 - COTTAGES 5 & RECEIVING MECHANICAL CONTROLS**

i. **REVISE** RTU INTEGRATION SCHEMATIC – delete references to VFD speed and fault on the exhaust fan. The exhaust fan is constant speed on/off. Provide status and start/stop integration only.

h. **SHEET – 03-M6.00 – COTTAGE 5 & RECEIVING MECHANICAL SCHEDULES**

i. **REVISE** - Design Basis on "AIR COOLED CONDENSING UNITS" from XC20 to XC16S.

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ii. **REVISE** – SEER on ACCU5-1 and 6-1 to “15”

iii. **REVISE** – SEER on ACCU5-2 to “15.5”

iv. **REVISE** - Design Basis for GF5-1 and GF6-1 on “FURNACE – GAS SCHEDULE” from EL296UH070XV36B to EL296UH070XE36B.

v. **REVISE** - Design Basis for GF5-2 on “FURNACE – GAS SCHEDULE” from EL296UH090XV36B to EL296UH090XE36B.

vi. **REVISE -** Cooling Coil Model for GF5-1 and GF6-1 on “FURNACE – GAS SCHEDULE” from CX35-30B to CX35-36B.

vii. **REVISE -** Cooling Coil Model for GF5-2 on “FURNACE – GAS SCHEDULE” from CX35-48C to CX35-49C.

viii. **REVISE –** Exhaust Fan CFM on “PACKAGED ROOFTOP UNIT SCHEDULE” from “1600” to “1475” for all units.

i. SHEET - 04-P6.00 – COTTAGE 7 & 8 PLUMBING SCHEDULES & DETAILS

i. **REMOVE –** Detail A4 – CAST IRON FLOOR SINK – UL RATED

j. SHEET – 04-M1.01 – COTTAGE 7 & 8 MECHANICAL PLANS GROUND FLOOR

i. **ADD** – KEYNOTE M-04-13, “WALL PENETRATION FOR WATER HEATER COMBUSTION AIR AND FLUE VENT APPROXIMATELY 8 FEET ABOVE MECHANICAL ROOM FLOOR” to water heater combustion and vent wall penetrations.

k. SHEET - 04-M5.00 - COTTAGES 7 & 8 MECHANICAL DETAILS

i. **REVISE** RTU INTEGRATION SCHEMATIC – delete references to VFD speed and fault on the exhaust fan. The exhaust fan is constant speed on/off. Provide status and start/stop integration only.

l. SHEET – 04-M6.00 – COTTAGE 7 & 8 MECHANICAL SCHEDULES

i. **REVISE** - Design Basis on “AIR COOLED CONDENSING UNITS” from XC20 to XC16S.

ii. **REVISE** – SEER on ACCU7-1 and 8-1 to “15”

iii. **REVISE** – SEER on ACCU7-2 to “15.5”

iv. **REVISE** - Design Basis for GF7-1 and GF8-1 on “FURNACE – GAS SCHEDULE” from EL296UH070XV36B to EL296UH070XE36B.

v. **REVISE** - Design Basis for GF7-2 on “FURNACE – GAS SCHEDULE” from EL296UH090XV36B to EL296UH090XE36B.

vi. **REVISE - Cooling Coil Model** for GF7-1 and GF8-1 on “FURNACE – GAS SCHEDULE” from CX35-30B to CX35-36B.

vii. **REVISE -** Cooling Coil Model for GF7-2 on “FURNACE – GAS SCHEDULE” from

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CX35-48C to CX35-49C.

viii. **REVISE** - Exhaust Fan CFM on “PACKAGED ROOFTOP UNIT SCHEDULE” from “1600” to “1475” for all units.

m. SHEET 08-M1.01 ADMINISTRATION BUILDING

i. **ADD** – KEYNOTE M-08-15 to boiler vent riser “ELEVATION OF BOILER VENTING TERMINATION APPROXIMATELY 25 FEET ABOVE MECHANICAL ROOM FLOOR.”

n. SHEET 08-M6.00 ADMINISTRATION BUILDING MECHNICAL SCHEDULES

i. **REVISE** – Design Basis on “LOUVER SCHEDULES” from “FSD-402” to “ESD-435”.

ii. **REVISE** – Max Free Area % on “LOUVER SCHEDULES” from “44” to “56”.

o. SHEET – 09-M1.01 A.E. SHEPHERD MECHANICAL PLANS

i. **ADD** – KEYNOTE M-09-14 to boiler vent riser “COMBUSTION AIR TERMINATION APPROXIMATELY 25 FEET ABOVE MECHANICAL ROOM FLOOR.”

p. SHEET – 11-M1.02 KITCHEN & STORAGE MECHANICAL PLAN FIRST AND SECOND FLOOR

i. **ADD** – KEYNOTE M-11-04, “COMBUSTION AIR AND VENT TERMINATIONS APPROXIMATELY 8 FEET ABOVE MECHANICAL ROOM FLOOR.” to water heater vent and boiler combustion air and vent wall penetrations.

q. SHEET – 11-M6.00 KITCHEN & SOTRAGE MECHANICAL SCHEDULES

i. **REVISE** – Design Basis on “UNIT HEATER SCHEDULE – HOT WATER” from “REZNOR” to “TRANE”.

r. SHEET – 17-M1.01 CORBETT MILLER MECHANICAL PLANS

i. **ADD** – “TERMINATION APPROXIMATELY 27 FEET ABOVE MECHANICAL ROOM FLOOR” to the end of KEYNOTE M-17-03.

ii. **ADD** – “TERMINATION APPROXIMATELY 27 FEET ABOVE MECHANICAL ROOM FLOOR” to the end of KEYNOTE M-17-10.

iii. **ADD** – “TERMINATION APPROXIMATELY 30 FEET ABOVE MECHANICAL ROOM FLOOR” to the end of KEYNOTE M-17-11.

iv. **ADD** – “TERMINATION APPROXIMATELY 30 FEET ABOVE MECHANICAL ROOM FLOOR” to the end of KEYNOTE M-17-12.

s. SHEET – 19-M6.00 VOCATIONAL MECHANICAL SCHEDULES

i. **REVISE** – Design Basis on “FURNACE – GAS SCHEDULE” from EL296UH090XV48C to EL296UH090XE48C.

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ii. **REVISE** - Design Basis on “AIR COOLED CONDENSING UNITS” from XC20 to XC16S and SEER to “15.5”.

iii. **REVISE -** Cooling Coil Model to “FURNACE – GAS SCHEDULE” from CX35-48C to CX35-49C.

iv. **REVISE –** Minimum Operating Ambient Temperatures to “AIR COOLED CONDENSING UNIT SCHEDULE” from “0” to “35”.

t. **SHEET – 02-E2.01 COTTAGES 3&4 POWER GRUND FLOOR**

i. **REVISE –** Wire and conduit for ACCU3-1 from 2#10 & 1#10GND, 1”C. to 3#10 & 1#10GND , 1”C

ii. **REVISE –** C/B for ACCU3-1 from 30 to 25.

u. **SHEET – 02-E2.03 COTTAGES 3&4 POWER SECOND FLOOR AND ROOF**

i. **REVISE –** BREAKER for ACCU3-1 from 30 to 25.

v. **SHEET – 03-E2.01 COTTAGES 5 & RECEIVING POWER GRUND FLOOR**

i. **REVISE –** Wire and conduit for ACCU5-1 from 2#10 & 1#10GND, 1”C. to 3#10 & 1#10GND , 1”C

ii. **REVISE –** C/B for ACCU5-2 from 25 to 30.

iii. **REVISE –** Wire and conduit for ACCU6-1 from 2#10 & 1#10GND, 1”C. to 3#10 & 1#10GND , 1”C

w. **SHEET – 03-E2.03 COTTAGES 5 & RECEIVING POWER SECOND FLOOR AND ROOF**

i. **REVISE –** BREAKER for ACCU5-2 from 25A/3P to 30A/2P.

x. **SHEET – 04-E2.01 COTTAGES 7 & 8 POWER GRUND FLOOR**

i. **REVISE –** C/B for ACCU7-2 from 25 to 30.

y. **SHEET – 04-E2.03 COTTAGES 7 & 8 POWER SECOND FLOOR AND ROOF**

i. **REVISE –** BREAKER for ACCU5-2 from 25A/3P to 30A/2P.

z. **SHEET – 019-E2.01 VOCATIONAL POWER GROUND FLOOR**

i. **REVISE –** BREAKER for ACCU-1 from 25A/3P to 25A/2P.

APPROVED SUBSTITUTIONS

SPECIFICATION SECTION	PRODUCT	APPROVED SUBSTITUTION
22 3000	Domestic Water Heat Exchanger	Lochinvar
23 5100	Breechings, Chimneys & Stacks	Ampco
23 5216	Steel Water Tube Boilers	Lochinvar

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23 7414	Semi-Custom Package Rooftop	LG
23 8200	Hydronic Finned Tube	Sigma
23 8200	Hydronic Unit Heaters	Sigma
23 8200	Cabinet Unit Heaters	Sigma
23 8200	Electric Baseboard	Markel
23 8300	Electric Cabinet Heaters	Markel
23 8200	Replacement Heating Coil	York/JCI

ATTACHMENTS:

1. 01-A1-01 – SCHOOL FLOOR PLAN – BASEMENT
2. 08-81-01 – ADMINISTRATION BUILDING FLOOR PLANS
3. 23 6213 – Packaged Air-Cooled Refrigerant Compressor and Condenser Units

END OF ADDENDUM

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SECTION 23 6213

PACKAGED AIR-COOLED REFRIGERANT COMPRESSOR AND CONDENSER UNITS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Condensing unit package.

B. Charge of refrigerant and oil.

C. Controls and control connections.

D. Refrigerant piping connections.

E. Motor starters.

F. Electrical power connections.

1.2 RELATED REQUIREMENTS

A. Section 23 0513 - Common Motor Requirements for HVAC Equipment.

B. Section 23 0548 - Vibration and Seismic Controls for HVAC: Placement of vibration isolators.

C. Section 23 0993 - Sequence of Operations for HVAC Controls.

D. Section 23 2300 - Refrigerant Piping.

E. Section 23 5400 - Furnaces.

1.3 REFERENCE STANDARDS

A. AHRI 210/240 - Standard for Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment; 2008, Including All Addenda.

B. ASHRAE Std 15 - Safety Standard for Refrigeration Systems; 2013.

C. ASHRAE Std 23.1 - Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Temperatures of the Refrigerant; 2010.

D. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; 2013, Including All Amendments and Errata.

E. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum); 2014.

1.4 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide rated capacities, weights specialties and accessories, electrical nameplate data, and wiring diagrams. Include equipment served by condensing units in submittal, or submit at same time, to ensure capacities are complementary.

C. Design Data: Indicate pipe and equipment sizing.

D. Warranty: Submit manufacturer's warranty and ensure forms have been filled out in Owner's name and registered with manufacturer.

E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

1. See Section 01 6000 - Product Requirements, for additional provisions.

1.5 QUALITY ASSURANCE

A. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Comply with manufacturer's installation instructions for rigging, unloading, and transporting units.

1.7 WARRANTY

A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

B. Provide a five year warranty to include coverage for refrigerant compressors.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Carrier, a part of UTC Building and Industrial Systems, a unit of United Technologies Corp: www.carrier.com/#sle.

B. Trane, a brand of Ingersoll Rand: www.trane.com/#sle.

C. York International Corporation/Johnson Controls, Inc: www.york.com/#sle.

D. Lennox.

E. Substitutions: See Section 01 6000 - Product Requirements.

2.2 MANUFACTURED UNITS

A. Units: Self-contained, packaged, factory assembled and pre-wired units suitable for outdoor use consisting of cabinet, compressors, condensing coil and fans, integral sub-cooling coil, controls, liquid receiver, wind deflector, and screens.

B. Construction and Ratings: In accordance with AHRI 210/240. Test in accordance with ASHRAE Std 23.1.

C. Performance Ratings: Energy Efficiency Rating (EER) and Coefficient of Performance (COP) not less than prescribed by ASHRAE Std 90.1 I-P.

2.3 CASING

A. House components in welded steel frame with galvanized steel panels with weather resistant, baked enamel finish.

B. Mount starters, disconnects, and controls in weatherproof panel provided with full opening access doors. Provide mechanical interlock to disconnect power when door is opened.

C. Provide removable access doors or panels with quick fasteners and piano hinges.

2.4 CONDENSER COILS

A. Coils: Aluminum fins mechanically bonded to seamless copper tubing. Provide sub-cooling circuits. Air test under water to 425 psig, and vacuum dehydrate. Seal with holding charge of nitrogen.

B. Coil Guard: Expanded metal with lint screens.

2.5 FANS AND MOTORS

A. Vertical discharge direct driven propeller type condenser fans with fan guard on discharge.

B. Weatherproof motors suitable for outdoor use, single phase permanent split capacitor or 3 phase, with permanent lubricated ball bearings and built in current and thermal overload protection.

2.6 COMPRESSORS

A. Compressor: Hermetic scroll type.

B. Mounting: Statically and dynamically balance rotating parts and mount on rubber-in-shear vibration isolators.

1. Internally isolate hermetic units on springs.

C. Lubrication System: Reversible, positive displacement oil pump with oil charging valve, oil level sight glass, and magnetic plug or strainer.

D. Motor: Constant speed 1800 rpm suction gas cooled with electronic sensor and winding over temperature protection, designed for across-the-line starting. Furnish with starter.

E. Capacity Reduction Equipment: Two-stage compressor.

F. Sump Oil Heater: Evaporates refrigerant returning to sump during shut down. Energize heater thermostatically when compressor is not operating.

2.7 REFRIGERANT CIRCUIT

A. Provide each unit with one refrigerant circuit, factory supplied and piped. Refer to Section 23 2300.

B. For each refrigerant circuit, provide manufacturer's recommended accessories.

2.8 CONTROLS

A. On unit, mount weatherproof steel control panel, NEMA 250, containing power and control wiring, molded case disconnect switch, factory wired with single point power connection.

B. For each compressor, provide across-the-line starter, non-recycling compressor overload, starter relay, and control power transformer or terminal for controls power. Provide manual reset current overload protection. For each condenser fan, provide across-the-line starter with starter relay.

C. Provide safety controls arranged so any one will shut down machine:

1. High discharge pressure switch (manual reset) for each compressor.
2. Low suction pressure switch (automatic reset) for each compressor.
3. Oil Pressure switch (manual reset).

D. Provide the following operating controls:

1. Refer to Section 23 0993 and drawings for sequence of operation.

E. Gauges: Prepiped for suction and discharge refrigerant pressures and oil pressure for each compressor.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install in accordance with manufacturer's installation instructions.

B. Complete structural, mechanical, and electrical connections in accordance with manufacturer's installation instructions.

C. Install units on vibration isolation. Refer to Section 23 0548.

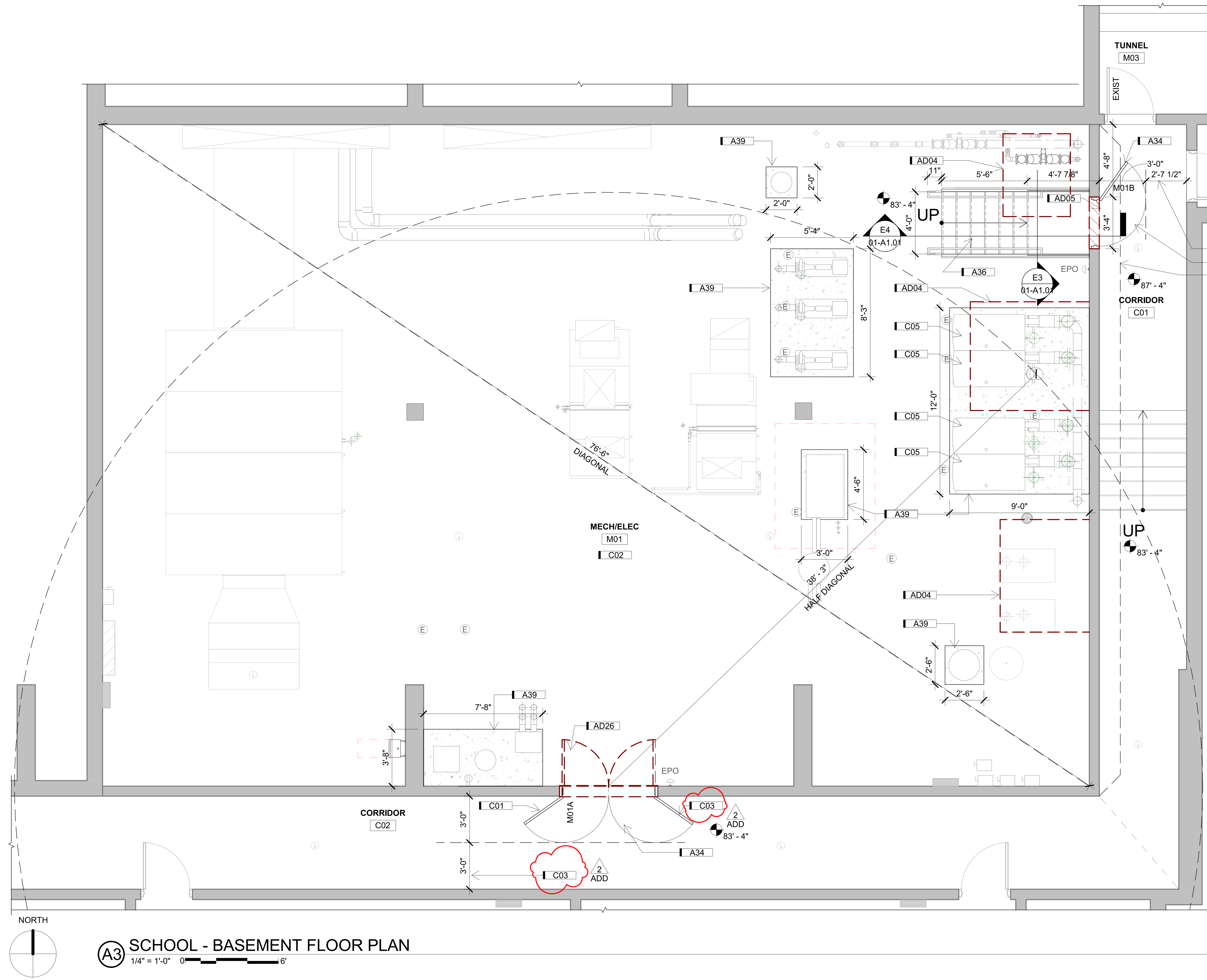
D. Provide connection to refrigeration piping system and evaporators. Refer to Section 23 2300. Comply with ASHRAE Std 15.

3.2 SYSTEM STARTUP

A. Supply initial charge of refrigerant and oil for each refrigeration system. Replace losses of oil or refrigerant prior to end of correction period.

B. Charge system with refrigerant and test entire system for leaks after completion of installation. Repair leaks, put system into operation, and test equipment performance.

END OF SECTION



A3 SCHOOL - BASEMENT FLOOR PLAN
1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES

1. COLOR USED TO ENHANCE UNDERSTANDING.
2. IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
3. ABATEMENT WORK WILL BE UNDER SEPARATE CONTRACT. OBTAIN AND MAINTAIN ON SITE A COMPLETE SET OF ABATEMENT DOCUMENTS, INCLUDING ADDENDA AND CHANGES AFTER START OF CONSTRUCTION, FOR REFERENCE AND COORDINATION BY ALL TRADES. COORDINATE ALL DEMOLITION AND CONSTRUCTION WORK WITH THE ABATEMENT CONTRACTOR.
4. THE INDICATION OF TYPE AND LOCATION OF EXISTING CONDITIONS AND MATERIALS IN THE DRAWINGS IS NOT INTENDED AS EXACT DOCUMENTATION OF IN-PLACE CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS BEFORE SUBMISSION OF BIDS. EXISTING CONDITIONS VARYING FROM THOSE SHOWN IN THE DRAWINGS WILL NOT BE JUSTIFICATION FOR ADDITIONAL ALLOWANCE TO THE CONTRACTOR. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONDITIONS CONFLICT WITH THE DRAWINGS.
5. PROTECT ALL BUILDING SYSTEMS, NEW AND EXISTING. COVER SUPPLY, RETURN, AND EXHAUST AIR GRILLES, AND PROTECT OTHER SENSITIVE EQUIPMENT FROM ALL ACTIVITIES RELATED TO THIS CONTRACT. REMOVE PROTECTION AT END OF CONSTRICTION.
6. ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER EVEN IF NOT SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS.
7. ALL CODE-REQUIRED LABELS SUCH AS "UL", "FACTORY MUTUAL", OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR NOMENCLATURE PLATES SHALL REMAIN READABLE AND NOT PAINTED OR COVERED BY OTHER CONSTRUCTION.
8. EACH TRADE SHALL FURNISH AND INSTALL TESTED FIRESTOPPING ASSEMBLIES FOR PENETRATIONS OF THEIR WORK THROUGH FIRE-RATED WALLS AND FLOOR/CEILING ASSEMBLIES. FIRESTOPPING ASSEMBLIES ARE TO BE INSTALLED BY INDIVIDUAL TRAINED AND EXPERIENCED WITH INSTALLATION OF SUCH ASSEMBLIES.

DEMOLITION PLAN SYMBOLS LEGEND

EXISTING WALL PARTITIONS

DEMOLISHED WALL PARTITIONS

DOOR

FLOOR PLAN SYMBOLS LEGEND

101 DOOR MARK

CODE KEYNOTE LEGEND

KEY	NOTE
C01	BUILDING SCHOOL PACKAGE: DOOR MUST OPEN IN DIRECTION OF EGRESS PER NFPA 70 - 11.26(C)(3) WHERE AMPERAGE EXCEEDS 800 A. BUILDING IS SPRINKLERED AND CORRIDOR WALL IS NOT RATED PER 2015 INTERNATIONAL BUILDING CODE TABLE 1021.1. DOOR IS LOCATED IN A NON RATED WALL.
C02	BUILDING IS SPRINKLERED ALLOWING FOR NON-RATED CORRIDOR WALLS CONSTRUCTION PER INTERNATIONAL BUILDING CODE TABLE 1021.1
C03	BUILDING SCHOOL PACKAGE: OCCUPANT LOAD OF BASEMENT = 230 X .02 = 46" DOOR SWINGS CANNOT REDUCE CORRIDOR WIDTH TO LESS THAN 23".
C05	INDIVIDUAL BOILERS DO NOT EXCEED 399 MBH (399,000 MBTU/HR)

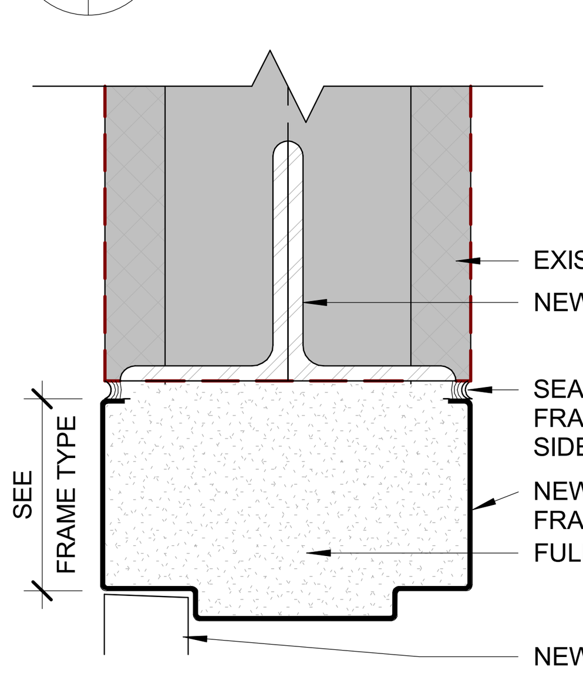
2 ADD

GENERAL KEYNOTE LEGEND

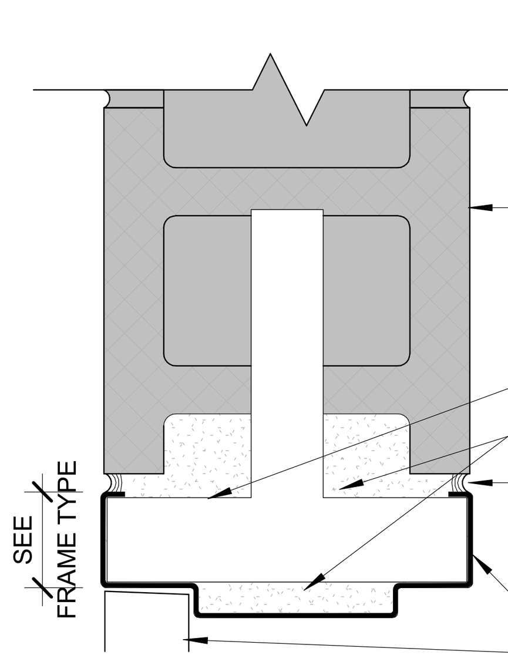
KEY	NOTE
A34	NEW HM DOOR AND FRAME. PAINT. PATCH FLOOR AND JOINT SEALANT AT DEMOLITION SITE TO MATCH EXISTING CONTIGUOUS FLOORING.
A35	PAINT ENTIRE WALL, MATCH PAINT COLOR AND SHEEN OF EXISTING WALLS. PROVIDE NEW WALL BASE, TO MATCH EXISTING.
A36	NEW STEEL STAIR AND GUARDRAIL. PAINT, TYP.
A39	NEW 4" CONCRETE EQUIPMENT PAD. SEE STRUCTURAL SHEET 00-S0.01
AD04	DEMOLISH EXISTING CONCRETE PAD
AD05	DEMOLISH EXISTING CMU WALL. PREPARE FOR NEW DOOR FRAME PROVIDE LINTEL: (2) 5 X 3-1/2 X 5/16" ANGLES BACK TO BACK.
AD26	DEMOLISH EXISTING DOOR AND FRAME. PREPARE THE OPENING FOR NEW DOOR.

DOOR AND FRAME SCHEDULE

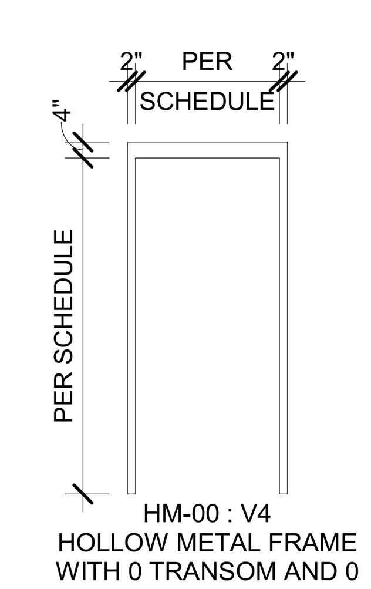
		FINISHED OPENING SIZE		LEAF				FRAME		
MARK	ROOM NAME	WIDTH	HEIGHT	THICK	TYPE	MTRL	GLAZ	MTRL-TYPE	GLAZ	REMARKS
M01A	MECH/ELEC	6' - 0"	7' - 0"	1 3/4"	F/F	HM	-	HM-00 : V2	-	PAIR 3'-0" WIDE LEAFS
M01B	MECH/ELEC	3' - 0"	7' - 0"	1 3/4"	F	HM	-	HM-00 : F4	-	



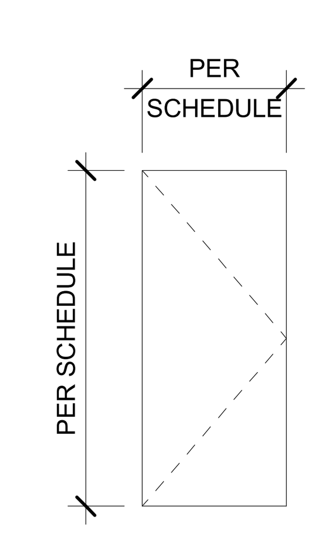
A4 HEAD - HM - CMU
3" = 1'-0"



B4 JAMB - HM - CMU
3" = 1'-0"



C4 DOOR FRAME ELEVATIONS
1/4" = 1'-0"

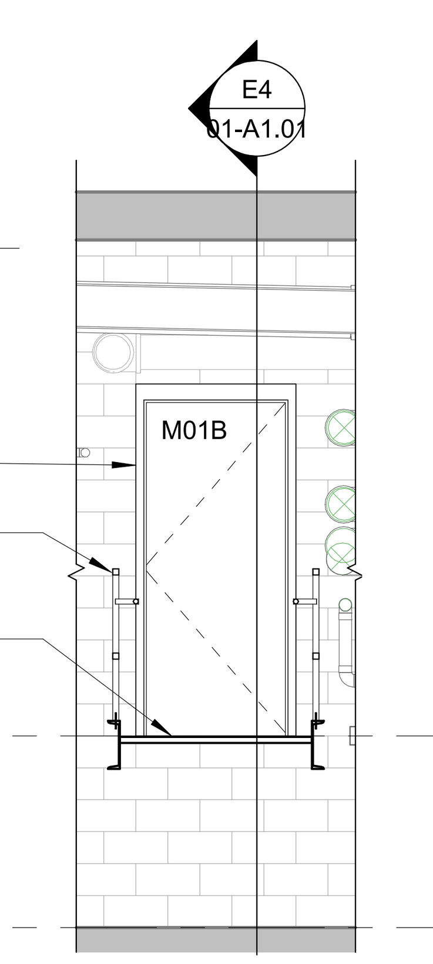


D4 DOOR PANEL ELEVATIONS
1/4" = 1'-0"

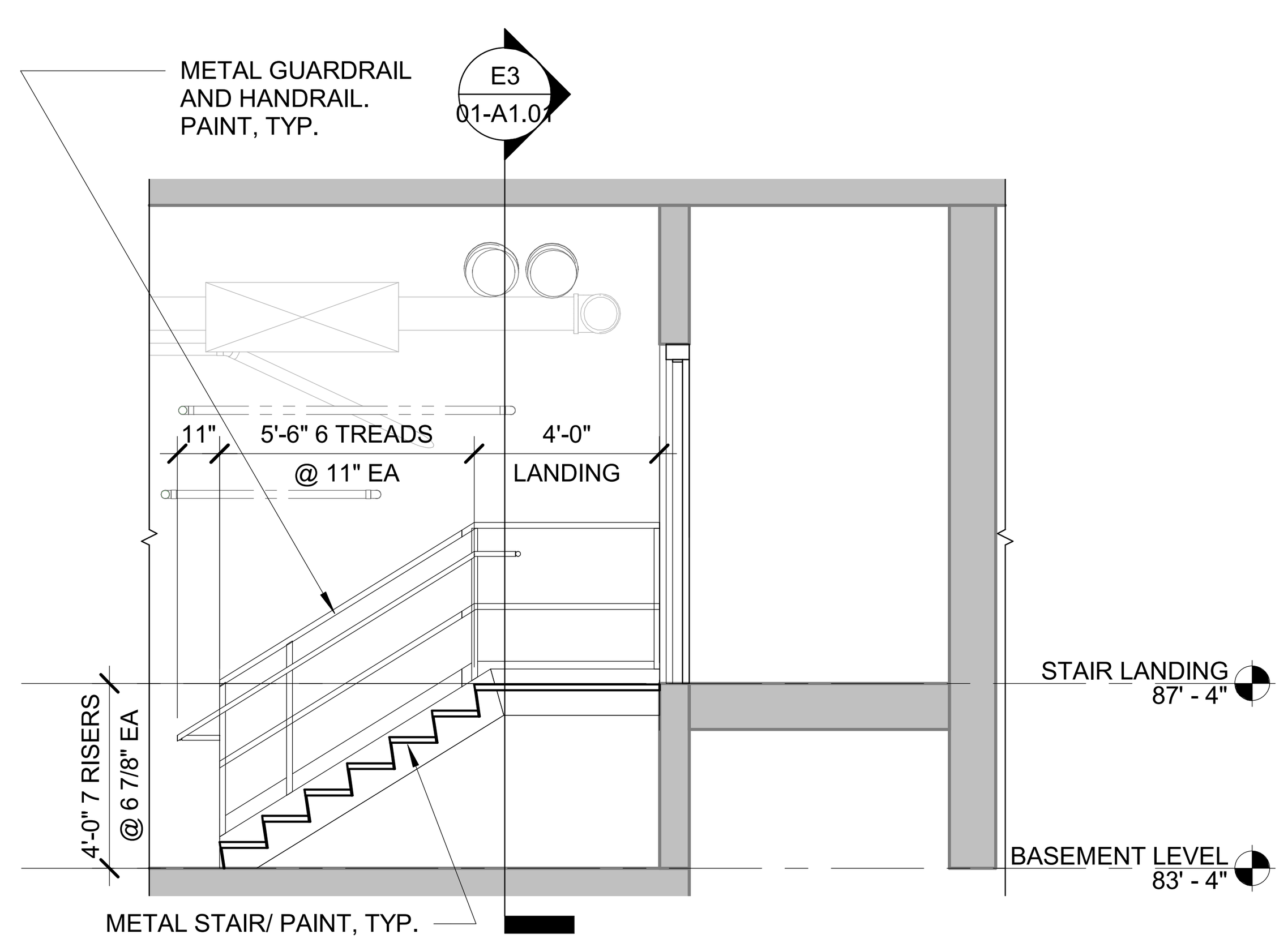
NEW HM DOOR AND FRAME. PAINT. PATCH FLOOR AT DEMOLITION SITE TO MATCH EXISTING CONTIGUOUS FLOORING.

NEW STEEL GUARDRAIL AND HANDRAIL. PAINT.

NEW STEEL STAIR LANDING. PAINT.



E3 SECTION THROUGH LANDING
1/4" = 1'-0"



E4 SECTION THROUGH STAIR
1/4" = 1'-0"

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ELDORA STS DECENTRALIZATION BUILDING PACKAGE SCHOOL

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES

3211 EDGINGTON AVE. ELDORA, IA 50627

ADD 2	02-12-2020	ADDENDUM 2

DRAWN: TDS
APPROVED: TLS
ISSUED FOR: CONSTRUCTION DOCUMENTS
DATE: 01/06/2020
PROJECT NO: 4175681
CLIENT NO: #8982.01

SCHOOL FLOOR PLAN - BASEMENT

01-A1.01

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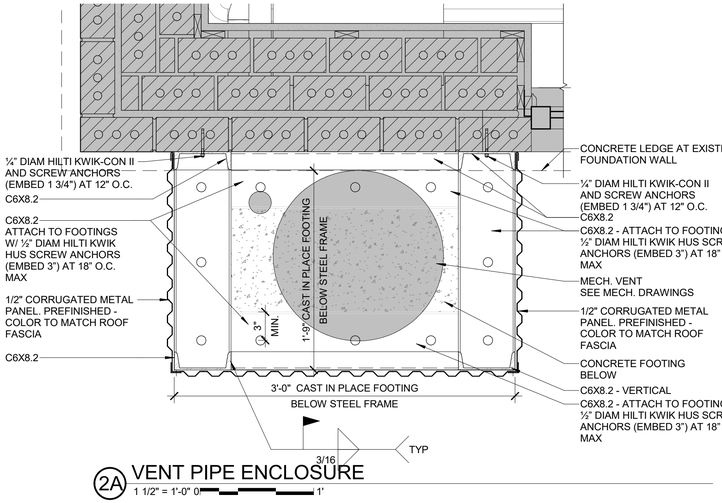
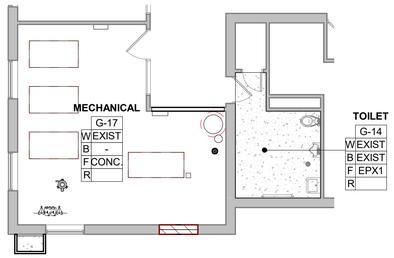
Autodesk Revit 2019



2A VENT PIPE ENCLOSURE
1 1/2" = 1'-0" 0 1'



NORTH

3A PARTIAL FINISHED PLAN
1/8" = 1'-0" 0 12'

MATERIAL FINISH LEGEND

TAG	MANUFACTURER	STYLE	COLOR NAME / NO	SPECIFICATION	REMARKS
BASE					
B1	JOHNSONITE	BASEWORKS THERMOSET RUBBER	MOON ROCK	4" HEIGHT	
CARPET					
CPT1	MILLIKEN	LINEN 2.0	LIN097 NEITH	STANDARD BACKING. SIZE 1M X 1M. VERTICAL ASHLAR INSTALLATION	
CHAIR RAIL					
CR1	WOOD MOLDING	AWS CHR-6015	OAK HARDWOOD STAINED TO MACTH PL1	WOOD RUNNING TRIM	
GROUT					
G1			SELECTED FROM MFRG. STD. COLORS		FOR T1
G2			SELECTED FROM MFRG. STD. COLORS		FOR T2
CORNER GUARDS					
CG1	ACROVYN	SM-20AN	EGGSHELL	2" LEGS, 8' 0" HIGH	
PAINT					
P1	SHERWIN WILLIAMS	PM200 0 SG EXTRA	SW 6105 DIVINE WHITE	SEMI GLOSS	
PLASTIC LAMINATE					
PL1	WILSONART	HIGH PRESSURE LAMINATE	NEO WALNUT 7991-38	FINE VELVET TEXTURE	VERTICAL CASEWORK
SOLID SURFACE					
SS1	LG HAUSYS	HI-MACS	GT910 EGG WHITE		COUNTERTOP
TILE					
T1	CROSSVILLE	BASALT	AV291 SILICA	12X24 STACK BOND INSTALLATION	WALL TILE
T2	CROSSVILLE	BASALT	AV293 BEDROCK	12X12 STACK BOND INSTALLATION	FLOOR TILE
FLUID-APPLIED FLOORING					
EPX1	SIKA	MORRITEX	SELECTED FROM MFRG. STD. COLORS		

KEYNOTE LEGEND	
KEY	NOTE
A08	PATCH WALLS TO MATCH ADJACENT CONSTRUCTION AND FINISHES WHERE MECHANICAL UNITS AND PIPING ARE DEMOLISHED. PAINT WALLS. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING SCOPES.
A26	PROVIDE METAL PANEL ENCLOSURE AROUND EXTERIOR PIPES. VERIFY FINAL DIMENSIONS WITH MECH. CONTRACTOR. PAINT TO MATCH EXISTING DOWNSPOUTS (V.I.F. - DARK BRONZE).
A27	DEMO EXISTING DOOR. PATCH WALLS TO MATCH ADJACENT CONSTRUCTION AND FINISHES.
A33	INSTALL OPAQUE FILM ON INTERIOR SIDE OF EXISTING GLASS.
A49	PATCH FLOOR TO MATCH ADJACENT CONSTRUCTION AND FINISHES WHERE MECHANICAL UNITS AND PIPING ARE DEMOLISHED. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING SCOPES.
A53	PROVIDE NEW FLOOR FINISH AND BASE.
AD06	DEMOLISH CONCRETE SLAB AS REQUIRED FOR NEW UNDERGROUND PIPING. HOLD DEMO AT LEAST 4" FROM WALL TO PROTECT WALL TILE. CORE DRILL THROUGH FOUNDATION WALL FOR NEW PIPE. DO NOT DRILL THROUGH FOOTING. CONTACT ARCHITECT FOR DIRECTION IF FOOTING ELEVATION CONFLICTS WITH PIPE. SEE MECHANICAL DRAWINGS FOR UNDERGROUND PIPING.
AD15	DEMOLISH WALL. PATCH FLOOR TO MATCH ADJACENT CONSTRUCTION AND FINISH.
AD25	DEMOLISH EXISTING WINDOW. PREPARE OPENING FOR NEW LOUVER INSTALLATION. SEE MECHANICAL DRAWINGS.
AD30	DEMOLISH FLOOR TILE AS REQUIRED FOR NEW UNDERGROUND PIPING.

ARCHITECTURAL DEMOLITION NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION WORK. NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN WORK SHOWN IN THE DRAWINGS AND FIELD CONDITIONS ENCOUNTERED.
2. TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN, PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES. COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
3. OPEN FLAME EQUIPMENT IS NOT PERMITTED FOR REMOVAL OF EXISTING WORK WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER.
4. COORDINATE WITH OWNER ANY ITEMS TO BE SALVAGED.
5. OWNER WILL REMOVE ALL NON-FIXED FURNISHINGS AND EQUIPMENT FROM THE CONSTRUCTION AREA PRIOR TO START OF CONSTRUCTION UNLESS NOTED OTHERWISE.
6. MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION. DO NOT PERFORM WORK ON EXTERIOR OPENINGS THAT CANNOT BE COMPLETED OR MADE WEATHER-TIGHT WHEN INCLEMENT WEATHER IS POSSIBLE.
7. REMOVE FLOOR MATERIALS TO THE EXTENT SHOWN OR DESCRIBED IN THE DRAWINGS. REMOVAL INCLUDES ADHESIVES, GROUTING BEDS, ANCHORING DEVICES, ASSOCIATED WALL BASE, ETC. CLEAN AND PREPARE SURFACES FOR INSTALLATION OF NEW FLOOR MATERIALS.
8. SEE STRUCTURAL DRAWINGS FOR LINTELS AT NEW PENETRATIONS THROUGH EXISTING WALLS. COORDINATE PENETRATION LOCATIONS WITH ASSOCIATED TRADES.
9. COORDINATE WITH OTHER TRADES CUTTING AND PATCHING REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION.

ANY DEMOLITION OR REMOVAL INDICATED IS SHOWN IN GENERAL TO PROVIDE THE EXTENT OF DEMOLITION AND IS NOT TO BE CONSIDERED AS A RECORD DRAWING OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR IN FIELD VERIFICATION AND COORDINATION WITH THE ARCHITECT PRIOR TO COMMENCING WITH STATED WORK.

2. ALL CONSTRUCTION TO REMAIN WHICH IS AFFECTED BY DEMOLITION SHALL BE PATCHED, BE PROPERLY ALIGNED AND FINISHED SO AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. REPAIR OR REPLACE ANY EXISTING CONSTRUCTION, MATERIALS, OR EQUIPMENT DAMAGED DURING DEMOLITION TO LIKE NEW CONDITION.

3. THE CONTRACTOR IS TO RETURN SALVAGEABLE MATERIALS, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, HARDWARE, MARBLE, EQUIPMENT, AND LIGHTING FIXTURES TO THE OWNER AND STOCKPILE THEM IN AN APPROVED CONSTRUCTION AREA. DISPOSE OF THESE MATERIALS AFTER OWNER'S REVIEW AND APPROVAL.

4. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL FINISHES (TO REMAIN) IN THE PROJECT AREA. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO DEMOLITION.

5. CONTRACTOR SHALL ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM AND ADJOINING SPACES WITH TEMPORARY BARRIERS AS REQUIRED PER THE BUILDING.

6. INDICATION OF NEW MATERIALS SHALL INFER ALL REMOVAL OR DEMOLITION AND PATCHING REQUIRED OF EXISTING MATERIALS AND SUBSTRATES FOR PROPER ALIGNMENT. MATCH EXISTING FINISHES.

7. ALL NEW AND EXISTING PENETRATIONS IN EXISTING WALLS, FLOORS AND CEILING DECKS SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND SHALL RECEIVE UL AND FACILITY APPROVED FIRE SEALANT MATERIALS TO MATCH RATING REQUIREMENT OF AREA BEING PENETRATED.

DEMOLITION PLAN SYMBOLS LEGEND

EXISTING WALL PARTITIONS
TEMPORARY WALL PARTITIONS
DEMOLISHED WALL PARTITIONS
EXISTING DOOR
DEMOLISHED DOOR

FLOOR PLAN SYMBOLS LEGEND

101 DOOR MARK

M12A S 44
WALL CORE MATERIAL
WALL CORE WIDTH
WALL HEIGHT CODE
WALL GYP LAYERS
WALL MODIFIER CODE

SEE SHEET 00-A0.02 FOR WALL TYPE INFORMATION

1A VENT PIPE ENCLOSURE SECTION
1/4" = 1'-0" 0 6'

4B SOUTH ELEVATION
1/4" = 1'-0" 0 6'

NORTH

4D GROUND FLOOR DEMOLITION PLAN
1/8" = 1'-0" 0 12'

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IFC	09/12/2019	ISSUED FOR CONSTRUCTION
ADD. 2	02-12-2020	ADDENDUM 2

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ADMINISTRATION BUILDING FLOOR PLANS

08-A1.01