

KANSAS CITY AREA TRANSPORTATION AUTHORITY PAINT BOOTH IMPROVEMENTS

KCATA
1350 EAST 17th. STREET
KANSAS CITY, MISSOURI

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| REVISION #1 | 6/21/21 |
| REVISION #2 | 3/27/26 |
| NO. | |
| REVISIONS | |
| DATE | |



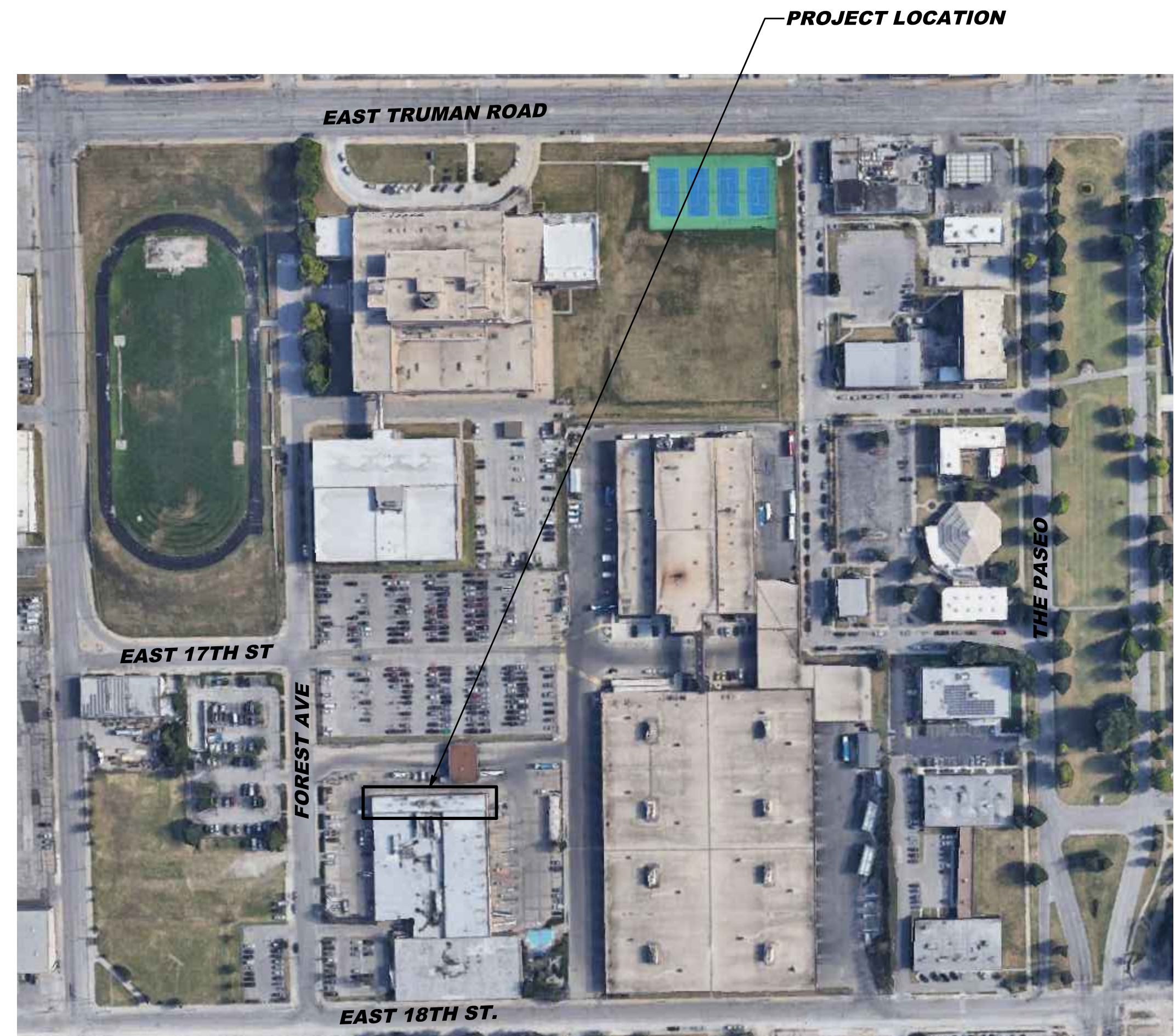
TITLE SHEET

KANSAS CITY AREA TRANSPORTATION
AUTHORITY
PAINT BOOTH IMPROVEMENTS



| | |
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| PROJECT | 01/20651.03 |
| DATE | 6/21/2021 |
| SHEET NO. | T-1 1 of 4 |

REVIEWED FOR CODE COMPLIANCE
City Planning & Development
Development Services
City of Kansas City, Missouri
Jeff Lee
Jeff Lee, P.E., M.C.P.
Building Official
Date: 05/13/2026 By: jnewport
Case Number CRBG-2026-30352



KCATA PAINT BOOTH
PROJECT LOCATION MAP
NOT TO SCALE

BUILDING CODE SUMMARY

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- INTERNATIONAL BUILDING CODE (2018)
- INTERNATIONAL MECHANICAL CODE (2018)
- UNIFORM PLUMBING CODE (2018)
- NATIONAL ELECTRICAL CODE (2017)
- INTERNATIONAL ENERGY CONSERVATION CODE (2021)

BUILDING: KCATA BUS & FACILITIES MAINTENANCE
OCCUPANCY TYPE: S-1, B (ACCESSORY TO S-1)
REQUIRED SEPARATION BETWEEN USES:
NONE PER TABLE 508.4 IBC
TOTAL BUILDING AREA: 40,918 S.F.
PROJECT AREA FOR TENANT REMODEL: 4,916 S.F.
CONSTRUCTION TYPE: 1B

THIS BUILDING IS FULLY PROTECTED BY AN EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM. THE PAINT BOOTH WITHIN THE BUILDING IS PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 416.5 AND CHAPTER 9 OF THE IBC.

NEW EQUIPMENT DISCLAIMER

ALL CONTRACTOR-PROVIDED PAINT BOOTH EQUIPMENT SHALL MEET OR EXCEED ALL APPLICABLE CURRENT FEDERAL AND LOCAL REGULATIONS FOR PAINTING COMPRESSED NATURAL GAS (CNG), ELECTRIC, AND DIESEL VEHICLES, INCLUDING BUT NOT LIMITED TO NFPA 33, STANDARD FOR SPRAY APPLICATION USING FLAMMABLE OR COMBUSTIBLE MATERIALS. PAINT BOOTH EQUIPMENT SHALL NOT RAISE THE TEMPERATURE INSIDE THE PAINT BOOTH ABOVE 180° F.

SHEET INDEX

| TYPE | SHEET NAME |
|------|--------------------------------------|
| T-1 | TITLE SHEET |
| ECA | ENERGY CONSERVATION ANALYSIS |
| M-1 | ROOF PLAN - MECHANICAL & ELECTRICAL |
| M-2 | FLOOR PLAN - MECHANICAL & ELECTRICAL |

SUBMITTED BY:
ALFRED BENESCH & COMPANY

Robert R. Krewson
ROB KREWSON, P.E.
DATE: 6-21-21

File Path: Y:\BONNERR\1306005\01\20651.03_KCATA_PAINT_BOOTH\ENG_DOCS\CAD
Date: April 10, 2026
By: DECKERT, J
File Name: T01-TITLE SHEET - PAINT BOOTH.DWG

ENERGY COMPLIANCE STATEMENT – COMMERCIAL
 APPLICABLE INFORMATION AS REQUIRED BY IB171CE

GENERAL STANDARDS FOR ALL COMMERCIAL PLANS:

1. In accordance with the 2021 IECC C401.2, the Prescriptive Compliance path has been used.
2. Thermal Envelope Certificate – N/A
3. This project involves replacement of heating and ventilation equipment that serves a process application (bus paint booth). Therefore, in accordance with C503.3, HEATING AND COOLING SYSTEMS, we have followed the requirements specified in C403 BUILDING MECHANICAL SYSTEMS. Below are the applicable sections, and how the equipment included in the basis-of-design complies.
 - i. C403.7.7 SHUTOFF DAMPERS – The RUPP RAM 30 make up air units are each furnished with an internal motorized down discharge damper with a Class 1A leakage rate that is less than 4 CFM/SG at 1" WG.
 - ii. C403.8.1 APPLICABLE FAN HORSEPOWER – For RUPP RAM 30
 - Air flow rating = 27,000 CFM
 - Motor Nameplate Horsepower = 15
 - For a constant volume system: 15 HP is less than $[27,000 \times 0.0011 = 29.7]$
 - iii. C403.8.2 MOTOR NAMEPLATE HORSEPOWER – Exception allowed for compliance with C403.8.1
 - iv. C403.8.3 FAN EFFICIENCY – The RUPP RAM 30 qualified for an exception from having to obtain an FEI rating due to being a greater-than 80% efficient heating system.
4. KCRBC Amendment for conduit – N/A
5. Software used to calculate energy compliance – N/A
6. Mechanical equipment sizing and efficiency rating calculations – N/A

SPECIAL NOTES FOR RENOVATIONS AND ALTERATIONS:

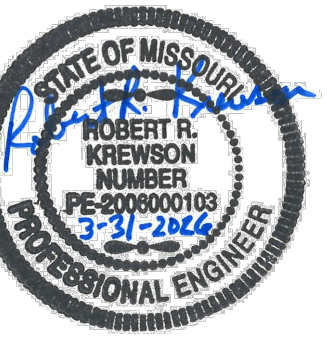
1. This project involves replacement of existing mechanical equipment and is therefore considered an alteration.

COMMISSIONING METHODOLOGY:

1. Mechanical commissioning will be performed in compliance with C408. Commissioning of the make up air units, exhaust fans, and ventilation system control panel, shall be performed by a third party certified by NEBB (National Environmental Balancing Bureau) as a Building System Commissioning technician or professional. NEBB testing, adjusting, balancing, and commissioning procedures for the applicable equipment are to be utilized. Following commissioning a report, signed by the Commissioning technician or professional, shall be provided certifying that the equipment is performing as specified by the engineer and advertised by the manufacturer.

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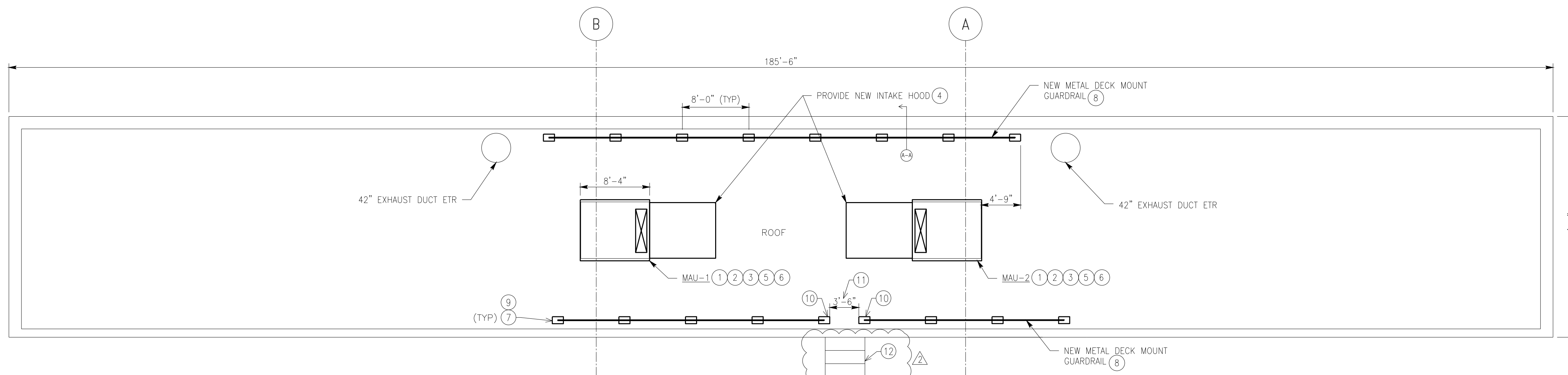
ENERGY CONSERVATION ANALYSIS

KANSAS CITY AREA TRANSPORTATION AUTHORITY
 PAINT BOOTH IMPROVEMENTS

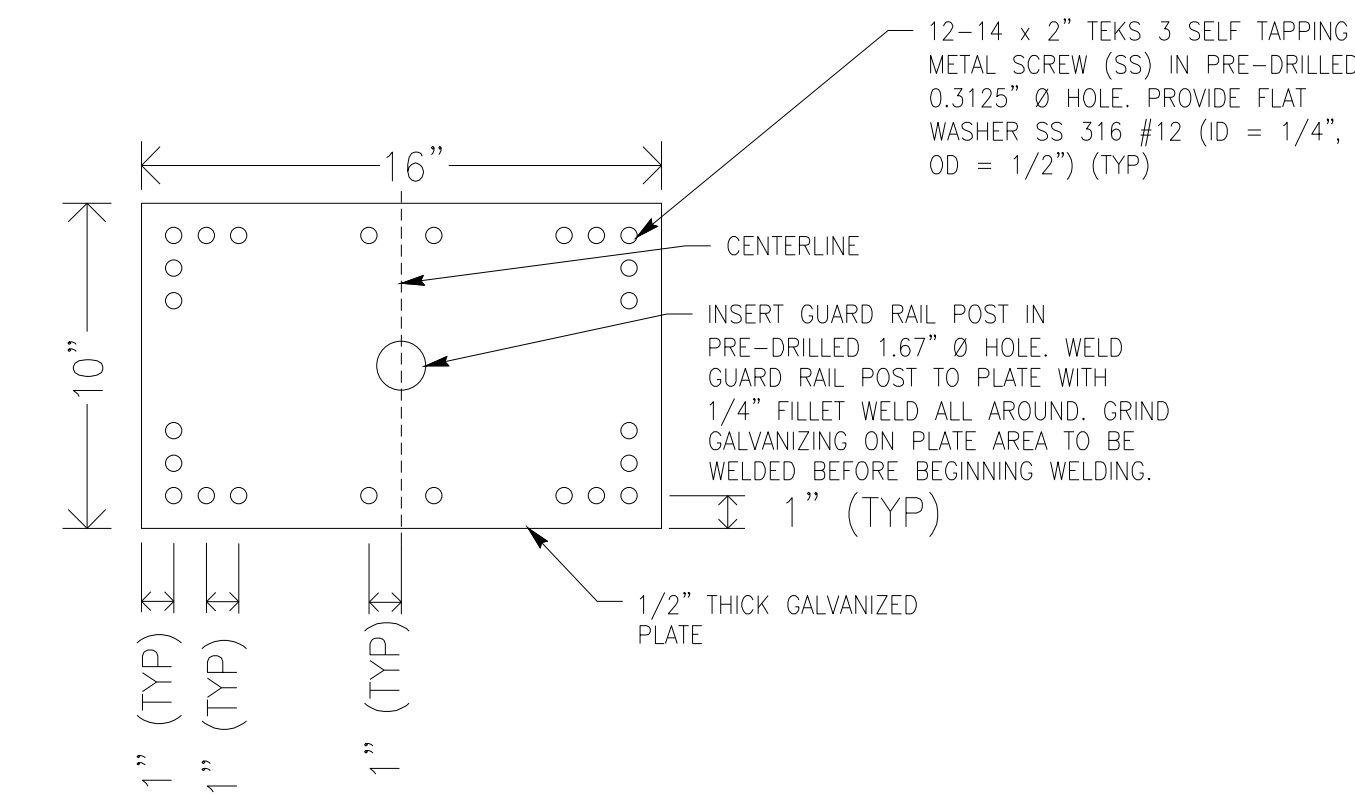


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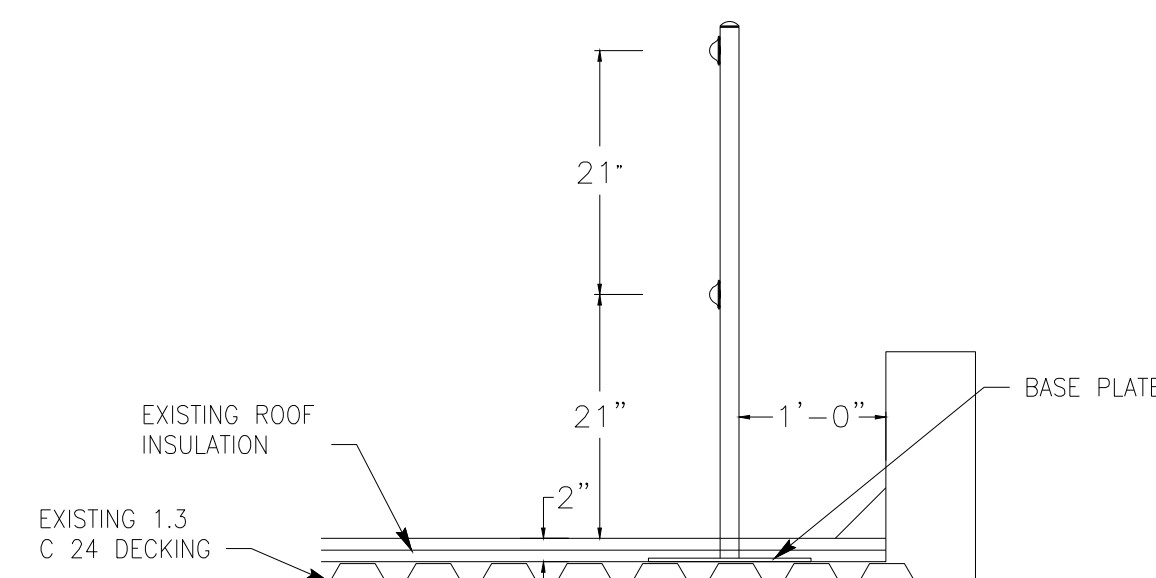
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ROOF NEW WORK PLAN
SCALE: 1/8"=1'



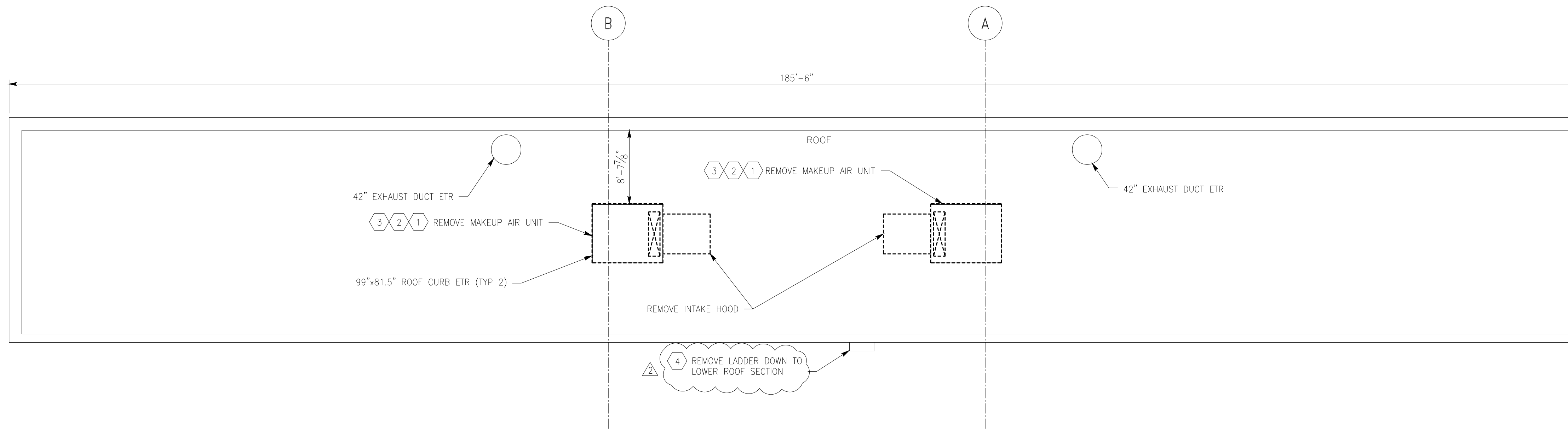
BASE PLATE DETAIL
SCALE: N.T.S.



SECTION VIEW A-A: GUARDRAIL ELEVATION
SCALE: N.T.S.

| MAKEUP AIR UNIT SCHEDULE | | | | | | | | | | | | |
|--------------------------|-------------|--------------|--------|---------|-------------------|-------|--------------------|------------|----------|------|--------------|-------|
| PLAN MARK | SERVICE | MANUFACTURER | MODEL | FAN RPM | E.S.P. (IN. W.G.) | CFM | HEATING CAP. (MBH) | ELECTRICAL | | | WEIGHT (LBS) | NOTES |
| | | | | | | | | POWER (HP) | V/PH/Hz | FLA | | |
| MAU-1 | MAKE-UP AIR | RUPP | RAM 30 | 444 | 0.5 | 27000 | 3575 | 15 | 460/3/60 | 18.2 | 3981 | 1,2,3 |
| MAU-2 | MAKE-UP AIR | RUPP | RAM 30 | 444 | 0.5 | 27000 | 3575 | 15 | 460/3/60 | 18.2 | 3981 | 1,2,3 |

- NOTES: 1. PROVIDE WITH A CLOGGED FILTER SWITCH, VFD, FREEZESTAT WITH 20' SENSOR, AND ROOF CURB ADAPTER.
 2. AHU SHALL BE COMPATIBLE WITH NEW PAINT BOOTH CONTROL PANEL.
 3. PROVIDE WITH NEW ELECTRICAL DISCONNECT.



ROOF DEMOLITION PLAN
SCALE: 1/8"=1'

GENERAL NEW WORK MECHANICAL NOTES:

- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE INSTALLATION.
- ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH LOCAL REGULATIONS, STATE CODES, AND MANUFACTURER'S RECOMMENDATIONS.
- ALL DUCTWORK CONNECTIONS SHALL BE DONE IN COMPLIANCE WITH SMACNA GUIDELINES.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS.
- CONTRACTOR SHALL FIELD VERIFY ON-SITE ALL CONDITIONS AND MEASUREMENTS SHOWN ON CONTRACT DRAWINGS.
- LOCATE ALL OUTDOOR AIR INTAKES AT LEAST 10 FEET AWAY FROM ANY VENTS, EXHAUST HOODS, AND OTHER CONTAMINANT SOURCES.
- MANUFACTURERS AND MODEL NUMBERS SHOWN ON THESE PLANS ARE THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE EQUIPMENT FROM MANUFACTURERS LISTED ON THESE DRAWINGS OR PROVIDE EQUAL EQUIPMENT FROM A DIFFERENT MANUFACTURER.
- ANY MODIFICATIONS TO THE ROOFING SYSTEM SHALL BE PERFORMED BY DELTA INNOVATIVE SERVICES, 913-371-7100 (GUARANTEE NUMBER ANM128009803) OR AN APPROVED JOHNS MANVILLE ROOFING CONTRACTOR.
- NEW MECHANICAL EQUIPMENT & CONTROL PANEL SHALL BE PROVIDED BY THE SAME PAINT BOOTH VENDOR.
- EXISTING ROOF CONTAINS A 1.3 C 24 METAL DECKING PER 1990 ENGINEERING DRAWINGS. CONTRACTOR SHALL FIELD VERIFY THE METAL DECKING TYPE AND INSULATION PRIOR TO INSTALLATION OF ROOF GUARDRAIL SYSTEM.

REVIEWED FOR CODE COMPLIANCE

City Planning & Development
 Development Services
 City of Kansas City, Missouri
 Jeff Lee, P.E., M.C.P.
 Building Official
 Date: 05/13/2026 By: jlee

Case Number **CRBG-2026-30352**

KEY NOTES:

- PROVIDE NEW MAKEUP AIR UNIT AND COMPATIBLE ROOF CURB ADAPTER. INSTALL NEW MAU PER MANUFACTURER'S SPECIFICATIONS. INSTALL MAU ON EXISTING ROOF CURB WITH NEW ROOF CURB ADAPTER.
- CONNECT 2" GAS LINE FROM EXISTING GAS LINE TO MAU.
- PROVIDE NEW VIBRATION JOINT CLOTH. RECONNECT EXISTING DUCTWORK TO NEW MAU. EXTEND AND MODIFY DUCTWORK AS NEEDED.
- PROVIDE NEW 80.25" WIDE BY 95.25" LONG BY 52.75" HIGH INTAKE HOOD. INTAKE HOOD SHALL BE COMPATIBLE WITH NEW MAKEUP AIR UNIT AND BE PROVIDED WITH A 2" EZ FILTER OR EQUAL.
- PROVIDE 3-1/C NO. 8 AND 1-1/C NO. 8 G IN 3/4" CONDUIT FROM CONTROL PANEL TO 15HP AIR HANDLING UNIT.
- PROVIDE CONTROL WIRING IN SEPARATE CONDUIT(S) FROM CONTROL PANEL TO MAU AS REQUIRED PER SHOP DRAWINGS.
- PROVIDE 10"x16"x1/2" PLATE. USE 12-14x1-1/2" TEKS 3 SELF TAPPING METAL SCREWS (SS) TO ATTACH PLATE DIRECTLY TO STEEL DECKING.
- PROVIDE NEW METAL DECK MOUNT GUARDRAIL SYSTEM BY LEADING EDGE SAFETY, OR AN APPROVED EQUAL. GUARDRAIL SYSTEM SHALL RESIST A LINEAR LOAD OF 20 POUNDS PER FOOT AND ALSO RESIST A CONCENTRATED LOAD OF 200 POUNDS. GUARDRAIL SYSTEM SHALL COMPLY WITH IMC 304.1.1.
- REMOVE ROOFING MATERIAL PRIOR TO INSTALLING PLATE. FOLLOWING INSTALLATION OF PLATE REPLACE ROOFING MATERIAL IN A MANNER THAT WILL MAINTAIN EXISTING ROOF WARRANTY.
- PROVIDE STAINLESS STEEL SAFETY CHAIN BETWEEN POSTS. SAFETY CHAIN SHALL ALLOW OPENING & CLOSING OF AREA BETWEEN POSTS.
- INSTALL GUARDRAIL SYSTEM WITH 3"-6" GAP TO ALLOW PASSAGE FROM LOWER ROOF TO UPPER ROOF VIA STAIRS. CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO INSTALLATION OF GUARDRAIL SYSTEM.
- PROVIDE PARAPET CROSSOVER STAIRS ON THE ROOF AT THE DESIGNATED LOCATION. STAIRS ARE TO BE STEEL OR ALUMINUM. COMPLY WITH OSHA AND GOVERNING BUILDING CODE REQUIREMENTS FOR STAIR TREADS, SIZE, SPACING, WIDTH, AND LIVE LOAD. GUARDRAIL TO BE 42 INCHES TALL WITH HANDRAIL AT 32 INCHES ABOVE THE TREADS USING MINIMUM 1 3/4" DIAMETER PIPE THAT COMPLES WITH OSHA REQUIREMENTS FOR RAILING EXTENSIONS, BENDS, ETC. DO NOT ATTACH THE STAIRS TO THE ROOF. PROVIDE APPROPRIATE BEARING THAT WILL DISTRIBUTE WEIGHT OF THE STAIRS AND LIVE LOAD ONTO ROOF. FOR STEEL STAIRS, CLEAN SURFACE, PRIME, AND PAINT ENTIRE ASSEMBLY SAFETY YELLOW.

GENERAL ELECTRICAL NOTES:

- PROVIDE ALL WORK IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE NEC. PROVIDE ALL LABOR, MATERIALS, AND SERVICES REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
- COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND EXISTING SITE CONDITIONS.
- PLANS ARE INTENDED TO INDICATE THE GENERAL SCOPE OF WORK. DETAILS OF INSTALLATION COVERED BY CODES AND OTHER MINOR ITEMS NOT SHOWN SHALL BE INSTALLED ACCORDING TO ACCEPTABLE INDUSTRY STANDARDS.
- PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ALL INSTALLED ELECTRICAL EQUIPMENT.
- ALL POWER WIRING SHALL BE THHN/THWN-2 INSTALLED IN CONDUIT, UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE PVC SCH 80 OUTSIDE BELOW GRADE OR WHERE EXPOSED TO DAMAGE, UNLESS NOTED OTHERWISE. RGS CONDUIT SHALL BE USED ON THE ROOF TOP. EMT CONDUIT SHALL BE USED INSIDE, UNLESS NOTED OTHERWISE.
- PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
- ALL MATERIALS SHALL BE NEW AND U.L. LABELED FOR THEIR INTENDED USE UNLESS NOTED OTHERWISE.
- PROVIDE SHOP DRAWINGS OF ALL ELECTRICAL EQUIPMENT AND MATERIALS FOR REVIEW.
- EXISTING CONDUITS MAY BE REUSED IF THEY MEET NEC CODE FOR INSTALLATION OF NEW CONDUCTORS, ARE IN GOOD CONDITION AND MEET THE APPROVAL OF THE ENGINEER.

GENERAL DEMOLITION NOTES:

- MAJOR DEMOLITION ITEMS ARE INDICATED ON THE DEMOLITION PLANS. MINOR CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF NEW HVAC EQUIPMENT MAY NOT BE SHOWN BUT SHALL BE INCLUDED IN CONTRACTORS SCOPE OF WORK.
- THESE DEMOLITION PLANS HAVE BEEN CREATED USING THE ORIGINAL CONSTRUCTION DRAWINGS. AS-BUILT CONDITIONS MAY NOT BE REFLECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO BIDDING.
- DEMOLITION OF PIPING AND EQUIPMENT SHALL INCLUDE REMOVAL OF ALL SUPPORTS AND HANGERS.

KEY NOTES:

- DISCONNECT AND REMOVE MAKEUP AIR UNIT ON ROOF. PROVIDE TEMPORARY COVERING FOR ROOF OPENING. ROOF CURB AND ROOF OPENING SHALL BE REUSED DURING NEW WORK PHASE.
- DISCONNECT AND REMOVE NATURAL GAS PIPING BACK TO UNION. EXISTING SHUTOFF VALVE TO REMAIN.
- DISCONNECT WIRING AND REMOVE CONDUIT AND ASSOCIATED WIRING FROM THE MAKEUP AIR UNIT.
- CUT LADDER RUNGS OFF FLUSH WITH MASONRY SURFACE. COAT ENDS REMAINING IN WALL WITH SILVER COLD GALVANIZING PAINT.

ETR: EXISTING TO REMAIN

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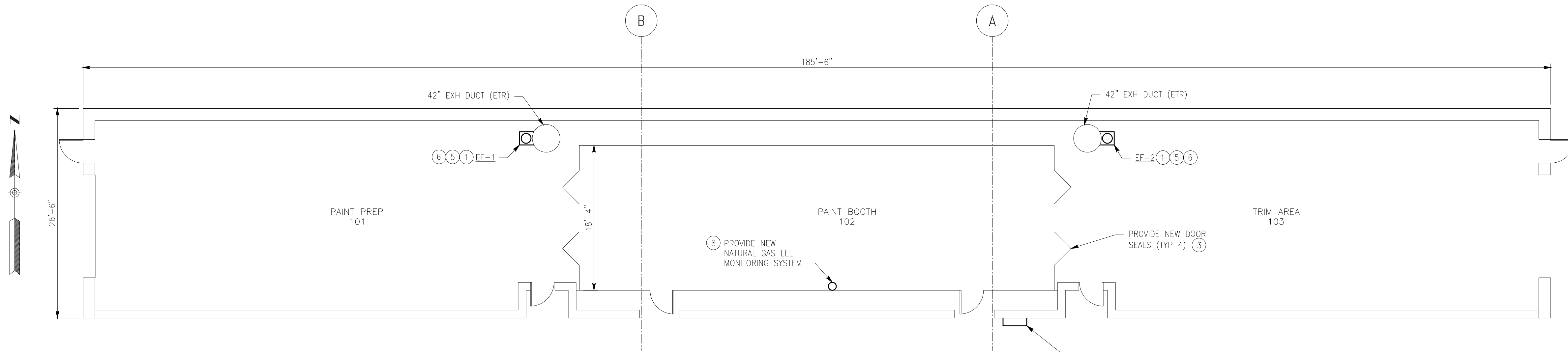


**ROOF PLAN
MECHANICAL & ELECTRICAL**

**KANSAS CITY AREA TRANSPORTATION
AUTHORITY
PAINT BOOTH IMPROVEMENTS**



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FLOOR PLAN NEW WORK

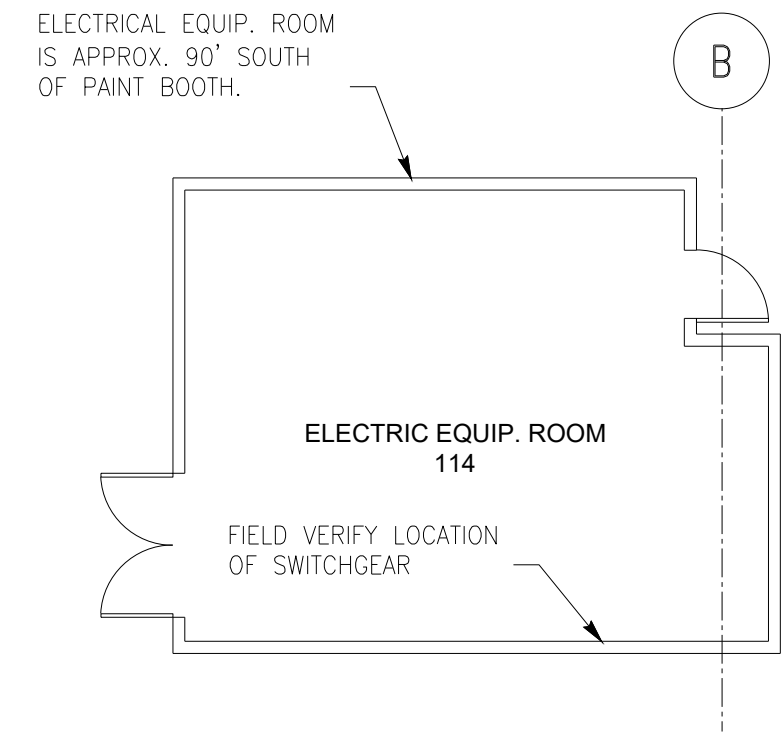
SCALE: 1/8"=1'

| PLAN MARK | MANUFACTURER | MODEL | E.S.P. (IN. W.G.) | FLOW (CFM) | ELECTRICAL | | NOTES |
|-----------|----------------------------|---------------|-------------------|------------|------------|-----------|-------|
| | | | | | POWER (HP) | (V/PH/Hz) | |
| EF-1 | GLOBAL FINISHING SOLUTIONS | ATA-42-100T3T | 0.75 | 54000 | 10 | 460/3/60 | 1,2,3 |
| EF-2 | GLOBAL FINISHING SOLUTIONS | ATA-42-100T3T | 0.75 | 54000 | 10 | 460/3/60 | 1,2,3 |

- Notes:
1. FAN SHALL HAVE A CONTINUOUSLY WELDED HOUSING WITH AIRTIGHT SEAL.
 2. FAN SHALL HAVE NON-SPARKING CAST ALUMINUM PROPELLER AND BELT GUARD.
 3. FAN SHALL BE PROVIDED WITH A VARIABLE FREQUENCY DRIVE.

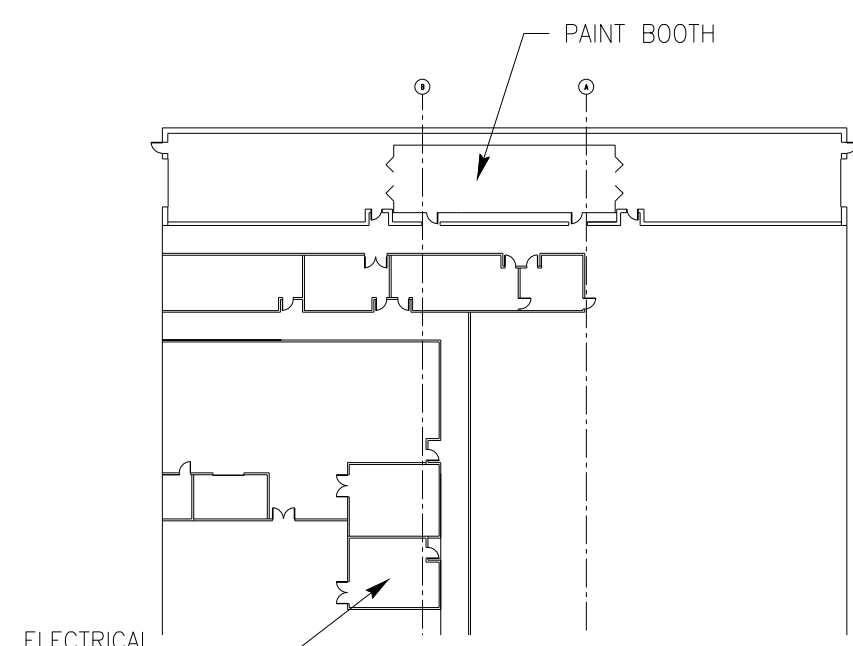
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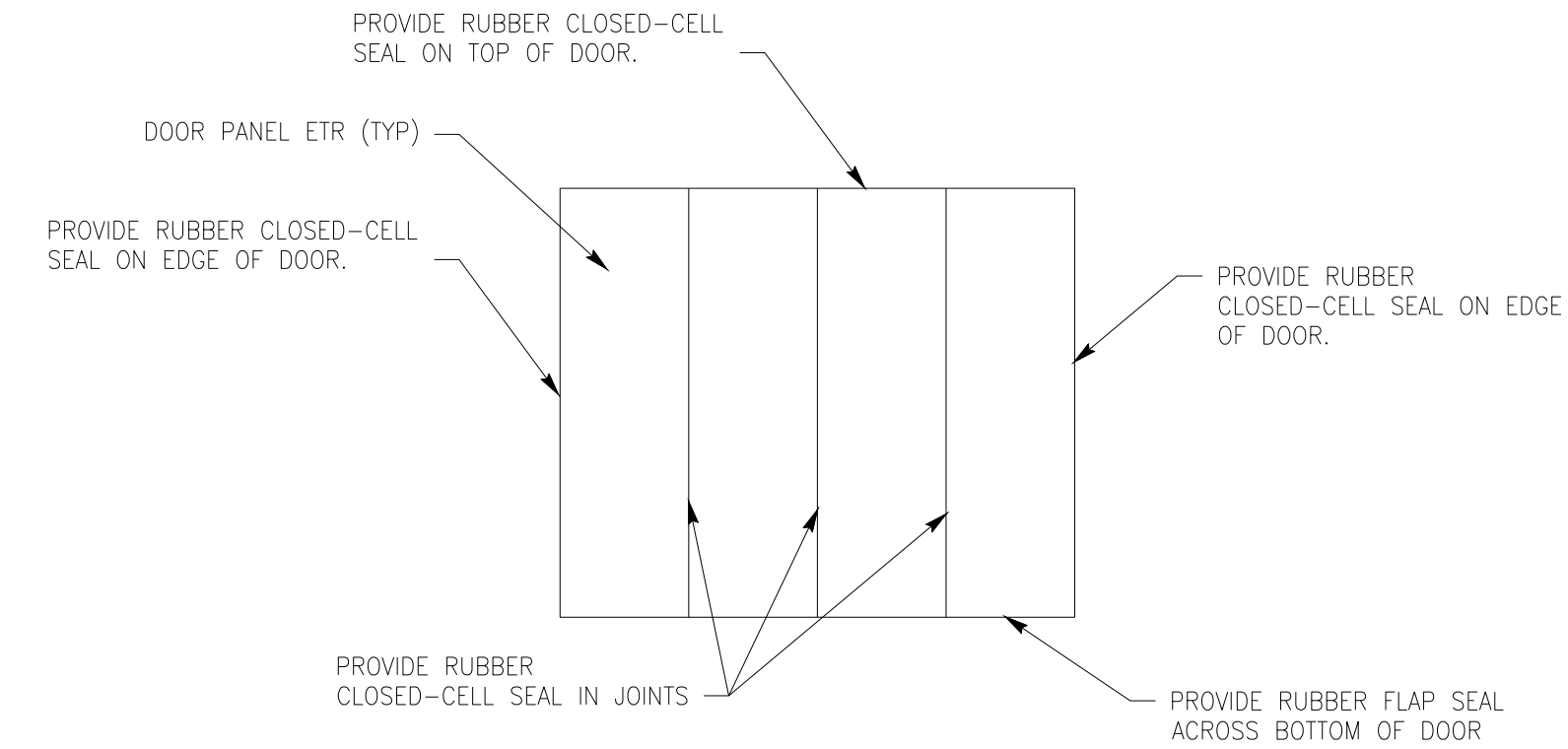
ELECTRICAL EQUIP. ROOM NEW WORK

SCALE: 1/8"=1'



PARTIAL BUILDING KEYPLAN

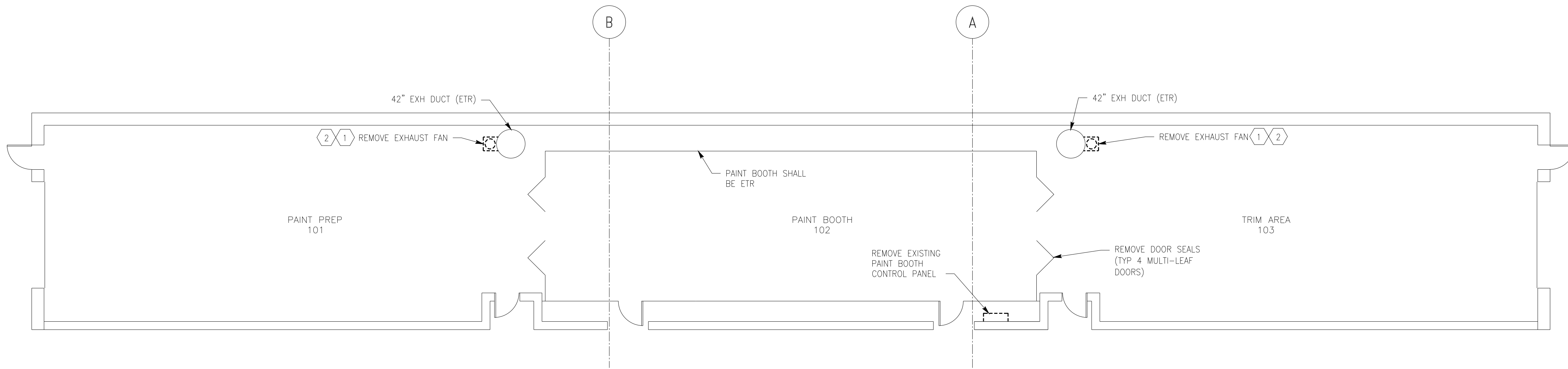
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DOOR SEALS DETAIL

SCALE: N.T.S.

- NOTES:
1. PROVIDE NEW DOOR SEALS FROM GLOBAL FINISHING SOLUTIONS OR AN APPROVED EQUAL. SUBMIT DOOR SEAL PRODUCT DATA SHEETS FOR ENGINEER'S APPROVAL.



FLOOR PLAN DEMOLITION WORK

SCALE: 1/8"=1'

GENERAL NEW WORK MECHANICAL NOTES:

1. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE INSTALLATION.
2. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH LOCAL REGULATIONS, STATE CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. ALL DUCTWORK CONNECTIONS SHALL BE DONE IN COMPLIANCE WITH SMACNA GUIDELINES.
4. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS.
5. CONTRACTOR SHALL FIELD VERIFY ON-SITE ALL CONDITIONS AND MEASUREMENTS SHOWN ON CONTRACT DRAWINGS.
6. MECHANICAL CONTRACTOR SHALL FURNISH DISCONNECT SWITCHES FOR ALL NEW HVAC EQUIPMENT THAT DOES NOT COME FROM THE FACTORY WITH ONE.
7. MANUFACTURERS AND MODEL NUMBERS SHOWN ON THESE PLANS ARE THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE EQUIPMENT FROM MANUFACTURERS LISTED ON THESE DRAWINGS OR PROVIDE EQUAL EQUIPMENT FROM A DIFFERENT MANUFACTURER.
8. NEW MECHANICAL EQUIPMENT & CONTROL PANEL SHALL BE PROVIDED BY THE SAME PAINT BOOTH VENDOR.
9. SUBMIT NEW PAINT BOOTH DOOR SEAL PRODUCT DATA FOR ENGINEER'S APPROVAL.

KEY NOTES:

1. PROVIDE NEW EXHAUST FAN. INSTALL PER MANUFACTURER'S SPECIFICATIONS. CONNECT NEW EXHAUST FAN TO EXISTING DUCTWORK.
2. CONTROL PANEL SHALL BE A UL 508A LISTED, PROGRAMMABLE LOGIC CONTROLLER BY INSIGHT. CONTROL PANEL SHALL BE CAPABLE OF CONTROLLING THE OPERATION OF PAINT BOOTH AND ASSOCIATED MECHANICAL EQUIPMENT. CONTROL PANEL SHALL HAVE THE FOLLOWING MODES OF OPERATION: STANDBY, SPRAY, POST-SPRAY & POST-CURE PURGE, CURE, POST-CURE PURGE, AND SHUTDOWN DELAY. CONTROL PANEL SHALL HAVE A STATUS SCREEN THAT SHOWS CURRENT BOOTH STATUS, PROCESS TEMPERATURE AND SETPOINT TEMPERATURE. CONTROL PANEL SHALL HAVE CAPABILITY TO MONITOR & ADJUST CURRENT BOOTH STATUS, PROCESS TEMPERATURE AND SETPOINT TEMPERATURE. CONTROL PANEL SHALL ALSO INCLUDE LIGHTING CONTROLS, MOTOR STARTERS, AIRFLOW SWITCHES AND INTERLOCKS, AND SYSTEM OPERATING LIGHTS. CONTROL PANEL SHALL SHUTDOWN MAKEUP AIR UNITS IN OVERHEATING SITUATION. CONTROL PANEL SHALL BE COMPATIBLE WITH EXISTING BUILDING FIRE ALARM PANEL.
3. NEW DOOR SEALS SHALL BE LOCATED AT THE BOTTOM & TOP OF DOORS, AND IN BETWEEN EACH DOOR LEAF. SEE DOOR SEALS DETAIL.
4. PROVIDE 3-1/2" NO. 10 AND 1-1/2" NO. 2 G IN 2" CONDUIT FROM SWITCHGEAR TO CONTROL PANEL.
5. PROVIDE 3-1/2" NO. 12 AND 1-1/2" NO. 12 G IN 1/2" CONDUIT FROM CONTROL PANEL TO EXHAUST FAN.
6. PROVIDE NEW GASKETS BETWEEN FLANGES WHERE FAN CONNECTS TO DUCTWORK.
7. TIE-IN CONTROL PANEL WITH BUILDING FIRE ALARM PANEL. MAU's AND EF's SHALL AUTOMATICALLY SHUT DOWN UPON ALARM. FIRE ALARM SYSTEM MODIFICATIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 907 OF THE 2018 IBC. SUBMIT SHOP DRAWINGS INDICATING FIRE ALARM SYSTEM MODIFICATIONS FOR REVIEW.
8. PROVIDE NEW NATURAL GAS LEL MONITORING SYSTEM. THE SYSTEM SHALL INCLUDE, AT MINIMUM, CALIBRATION GAS, A GAS MONITOR AND A CALIBRATION KIT WITH CARRYING CASE AND TUBING. INSTALL MONITORING SYSTEM IN PAINT BOOTH. MONITORING SYSTEM SHALL INITIATE A LOCAL ALARM AND AUTOMATICALLY SHUT DOWN DRYING, CURING, OR FUSING OPERATION IF THE CONCENTRATION OF FUEL GAS EXCEEDS 10 PERCENT OF THE LOWER FLAMMABLE LIMIT.

GENERAL ELECTRICAL NOTES:

1. PROVIDE ALL WORK IN ACCORDANCE WITH THE CURRENTLY ADOPTED EDITION OF THE NEC. PROVIDE ALL LABOR, MATERIALS, AND SERVICES REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
2. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND EXISTING SITE CONDITIONS.
3. PLANS ARE INTENDED TO INDICATE THE GENERAL SCOPE OF WORK. DETAILS OF INSTALLATION COVERED BY CODES AND OTHER MINOR ITEMS NOT SHOWN SHALL BE INSTALLED ACCORDING TO ACCEPTABLE INDUSTRY STANDARDS.
4. PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ALL INSTALLED ELECTRICAL EQUIPMENT.
5. ALL POWER WIRING SHALL BE THHN/THWN-2 INSTALLED IN CONDUIT, UNLESS NOTED OTHERWISE.
6. CONDUIT SHALL BE PVC SCH 80 OUTSIDE BELOW GRADE OR WHERE EXPOSED TO DAMAGE, UNLESS NOTED OTHERWISE. RGS CONDUIT SHALL BE USED ON THE ROOF TOP. EMT CONDUIT SHALL BE USED INSIDE, UNLESS NOTED OTHERWISE.
7. PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
8. ALL MATERIALS SHALL BE NEW AND U.L. LABELED FOR THEIR INTENDED USE.
9. PROVIDE SHOP DRAWINGS OF ALL ELECTRICAL EQUIPMENT AND MATERIALS FOR REVIEW.

GENERAL DEMOLITION NOTES:

1. MAJOR DEMOLITION ITEMS ARE INDICATED ON THE DEMOLITION PLANS. MINOR CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF NEW HVAC EQUIPMENT MAY NOT BE SHOWN BUT SHALL BE INCLUDED IN CONTRACTORS SCOPE OF WORK.
2. THESE DEMOLITION PLANS HAVE BEEN CREATED USING THE ORIGINAL CONSTRUCTION DRAWINGS. AS-BUILT CONDITIONS MAY NOT BE REFLECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO BIDDING.
3. DEMOLITION OF PIPING AND EQUIPMENT SHALL INCLUDE REMOVAL OF ALL SUPPORTS AND HANGERS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXHAUST FAN. PROVIDE TEMPORARY SUPPORT OF DUCTWORK ABOVE PRIOR TO INSTALLATION OF NEW FAN.
2. DISCONNECT CABLE AND REMOVE CONDUIT AND ASSOCIATED CABLE FROM THE EXHAUST FAN.

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FLOOR PLAN
MECHANICAL & ELECTRICAL

KANSAS CITY AREA TRANSPORTATION
AUTHORITY
PAINT BOOTH IMPROVEMENTS

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 Alfred Benesch & Company
 11010 Haskell Avenue, Suite 200
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 Ph: 313-441-1100

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