E-121 ELECTRICAL HVAC POWER PLAN - AREA A

CODE ANALYSIS

AUTOMATIC FIRE SPRINKLER SYSTEMS (Section 903)

1. THE CONTRACTOR SHALL VISIT THE SITE TO REVIEW AND SURVEY EXISTING CONDITIONS TO FULLY UNDERSTAND SCOPE

The following information indicates minimum requirements for installation of a fire sprinkler system in buildings with group A-2 occupancies. For Group A-2 occupancies, the automatic sprinkler system shall be provided throughout the floor area where the


Year Building was Constructed: 1969
Number of Stories: 1
Height in Feet: 13'-8"

Total Building Occupancy: 311 persons

Voice/alarm & fire command station

Adequate Exit Routes: Yes
Dead Ends: No
Maximum Exit Access Travel Distance: 138'
Elevator Controls: N/A

11. CONTRACTOR TO ASSIST THE ARCHITECT IN MAKING THEIR EVALUATIONS AND RECOMMENDATIONS BY PROVIDING IN A

SCREENED RECOMMENDATIONS IN WRITING.

The proposed plans will allow for 4 water closets, 0 urinals, and 4 lavatories for men; 4 water closets and 4 lavatories for

For the Vending & Game Room (102A) is an accessory space and is part of occupancy B.

The structure is classified as a Group A-2 occupancy. This indicates that the Vending & Game Room (102A) is an accessory space and is part of that occupancy.

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A. GENERAL:

1. AREAS AND ITEMS INDICATING LIMITS OF WORK AND LINES OF DEMARCATION ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR AND ARE NOT TO BE TAKEN LITERALLY. ACTUAL CONTRACT LIMITS ARE TO BE DETERMINED PRIOR TO RECEIPT OF BID BY FIELD VERIFICATION.

B. PROTECTION:

1. PROTECT INTERIOR FINISHES & ELEMENTS SCHEDULED TO REMAIN DURING DEMOLITION & CONSTRUCTION PROCEDURES. DAMAGE TO CONTRACTOR SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO THE OWNER.

2. PROVIDE PROTECTION FOR FLOOR ASSEMBLIES & FINISHES SCHEDULED TO REMAIN ADJACENT TO DEMOLITION ACTIVITY OF EACH WORK DAY & MAINTAIN BUILDING IN A SAFE MANNER CLEAR OF DEMOLITION & CONSTRUCTION DEBRIS AND EQUIPMENT.

C. FLOORS:

1. REMOVE FINISH FLOORING MATERIALS COATINGS, WAXES, ETC. U.O.N. DO NOT REMOVE STOREFRONT ASSEMBLY QUARRY TILE FLOORING IN EXISTING KITCHEN & ACCESSORY SPACES. DO NOT REMOVE CERAMIC TILE FLOORING IN EXISTING RESTROOMS TO REMAIN.

2. REMOVE SHOWER FLOOR ASSEMBLIES INCLUDING SLOPED TOPPING SLAB TO EXPOSE STRUCTURAL SLAB.

3. CONCRETE: REMOVE CONCRETE FLOOR ASSEMBLY WHERE INDICATED, COORDINATE WITH MEP DRAWINGS.

D. WALLS:

1. REMOVE & DISCARD WALLS AND FURR OUTS WHERE INDICATED ON THE DRAWINGS.

2. REMOVE TILE & WALL BOARD TO STUD ON EXISTING WALLS IN PROPOSED RESTROOM LOCATIONS EXCEPT IN RESTROOMS 101G & 101H BASE, AND SPECIAL SHAPES WHERE INDICATED FOR RESTORATION OF RESTROOMS SCHEDULED TO REMAIN.

E. CEILINGS:

1. REMOVE & DISCARD CEILING ASSEMBLIES, ASSOCIATED SUPPORTS, BLOCKING, AND FASTNERS TO EXPOSE STRUCTURE.

F. DOORS:

1. REMOVE EXISTING ENCLOSED STOREFRONT VESTIBULE ENTIRELY, FRAME, CASINGS, TRIM & HARDWARE WHERE RETAIN CONCRETE SLAB.

2. REMOVE & DISCARD DOORS & ASSOCIATED FRAME, CASINGS, TRIM & HARDWARE WHERE."
1. UTILITY LOCATIONS ARE APPROXIMATE, V.I.F.

B. SITE SURVEY:
1. A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF TEXAS SHALL WORK. REPORT ANY DISCREPANCIES BETWEEN SURVEYORS WORK AND THE DESIGN DOCUMENTS TO THE ARCHITECT. PROVIDE ELEVATIONS AT THE FOLLOWING LOCATIONS:
   a. FINISH FLOOR ELEVATIONS AT BUILDING ENTRIES
   c. ELEVATIONS AT THE INTERSECTION OF SIDEWALKS
   d. SITE GRADING AT 1'-0" INCREMENTS IN AREAS SCHEDULED TO BE RE-GRADED

2. SUBMIT SIGNED AND SEALED SURVEY TO ARCHITECT FOR REVIEW PRIOR TO THE START OF DEMOLITION

C. SIDEWALK:
1. SIDEWALKS SHALL HAVE A SLOPE NO GREATER THAN 5% AND A CROSS SLOPE OF NOT GREATER THAN 2% U.O.N.

2. PROVIDE CONTROL JOINTS EVERY 5' & EXPANSION JOINTS EVERY 20', REF. DET. 5 & EXISTING

3. PROVIDE REINFORCING BETWEEN NEW & EXIST. GARAGE SIDEWALKS, REF. DTL. 6/A1.02

D. RAMPS:
1. RAMPS SHALL HAVE A SLOPE NO GREATER THAN 1:12

E. CURB RAMPS:
EXIST. BELOW GRADE FEEDER LINE, REF. MEP GREATER THAN 1:12

F. SITE RESTORATION:
1. RESTORE DAMAGE TO LANDSCAPING ADJACENT TO AREAS OF WORK INCLUDING BUT NOT LIMITED TO SIDEWALKS, CURBS, LAWN, AND PARKING SURFACES (ALT. 3)

1. AT WEST SITE OF BUILDING, RE-GRADE SITE TO SLOPE AWAY FROM THE PERIMETER OF THE BUILDING AS SHOWN. REMOVE EXISTING AND PROVIDE NEW CONCRETE SIDEWALKS AT MODIFIED ELEVATION TO ENSURE PROPER SLOPE TO PARKING LOT, RESTORE EXISTING LAWN (ALT. 3)

A SWALE TO DIRECT WATER TOWARD W. 8TH STREET AS SHOWN, RESTORE EXISTING LAWN (ALT. 3)

H. HAZARDOUS MATERIALS ABATEMENT
1. ABATEMENT CONTRACTOR TO REMOVE ACM REMOVE EXISTING 3 METAL CANOPY REMOVE EXIST. MECH. BUILDING, INCLUDING BUT NOT LIMITED TO 12" X 12" FLOOR TILE, FLOOR TILE MASTIC, SINK UNDERCOAT, DUCT MASTIC, & A-1.02 ASSEMBLY ENTIRELY CWS INSULATION. REFER TO ASBESTOS ABATEMENT SPECIFICATIONS FOR SCOPE OF WORK (ALT. 3

I. EXTERIOR LIGHTING:
1. REPLACE EXIST. FIXTURES ON BUILDING AT SAME LOCATIONS & SUPPLEMENT AS NEEDED TO PROVIDE MINIMUM LIGHT LEVELS REQUIRED FOR ACCESSIBLE ROUTES, REF. MEP.

2. TEST EXIST. LAMP POSTS TO CONFIRM IF WORKING; REPLACE LAMPS AS NECESSARY, REF. MEP.

2. REMOVE AND REPLACE EXIST. SIDEWALK IN SAME POSITION BUT AT LOWER ELEVATION FOR PROPER DRAINAGE AWAY FROM THE BUILDING. REMOVE EXISTING SIDEWALK IN SAME POSITION BUT AT LOWER ELEVATION FOR PROPER DRAINAGE AWAY FROM THE BUILDING.

DELTA LIGHTING UNIT, REF. MEP

1. REPLACE EXIST. FIXTURES ON BUILDING AT SAME LOCATIONS & SUPPLEMENT AS NEEDED TO PROVIDE MINIMUM LIGHT LEVELS REQUIRED FOR ACCESSIBLE ROUTES, REF. MEP.

ADDITIONAL ALTERNATIVES

ALTERNATE 1: REPAVE EAST PARKING LOT INCLUDING CONNECTING DRIVES.

ALTERNATE 2: REPAVE WEST PARKING LOT.

ALTERNATE 3: PROVIDE ADA PARKING ADJACENT TO EXIST. MAIN SWITCH BOARD, REF. A-1.02

ALTERNATE 4: REPLACE EXISTING ROOF MOUNTED OUTDOOR HANDLING UNIT, REF. MEP.

ALTERNATE 5: PROVIDE 2ND CHILLER FOR CHILLER SCHEDULED TO BE REUSED, REF. MEP.

REFER TO SPEC. SECTION 01 23 00 - ALTERNATES FOR ADDITIONAL INFORMATION.
A. EXISTING TPO ROOF
1. THE EXISTING TPO MEMBRANE ROOFING WAS COMPLETED UNDER AN EARLIER PHASE OF WORK AND IS STILL UNDER WARRANTY. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING DAMAGE TO THE ROOF RESULTING FROM WORK OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER. REPAIRS MUST BE APPROVED BY THE MANUFACTURER AND SHALL NOT AFFECT THE WARRANTY.
2. FOLLOWING SELECTIVE DEMOLITION OF INTERIOR FINISHES, CLEAN OUT ROOF DRAINS, AND WATER TEST EXISTING STORM LINES TO ENSURE THEY ARE WORKING AND NOT LEAKING. REPAIR AND/OR REPLACE DETERIORATED / DAMAGED SECTIONS OF THE PIPE AND ASSOCIATED CONNECTIONS AS NECESSARY. ADDITIONALLY, FLOOD TEST ROOF TO ENSURE THAT EXISTING ROOFING IS NOT LEAKING, REPAIR AS REQUIRED. DO NOT START INTERIOR WORK UNTIL ALL ROOFING AND DRAINAGE ISSUES ARE RESOLVED.
3. PROVIDE ROOF PAD WALKWAYS TO ROOF DRAINS AND MECHANICAL UNITS, ENSURE CONTINUOUS PATHWAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. MODIFY THE EXISTING ROOFING AS REQUIRED TO COMPLETE THE WORK OF THIS CONTRACT. SUBMIT SHOP DRAWINGS FOR EACH TYPICAL CONDITION AND SUBMIT TO THE ARCHITECT AND ROOFING MANUFACTURER FOR APPROVAL PRIOR TO THE START OF WORK. ALL WORK SHALL COMPLY WITH ROOFING MANUFACTURER'S RECOMMENDATIONS AS REQUIRED TO MAINTAIN WARRANTY.
5. REPLACE SEALANT AT EACH ROOF PENETRATION
6. AT PERIMETER OF ROOF, REPLACE SEALANT BETWEEN MEMBRANE ROOFING AND SHEET METAL EDGE FLASHING.

B. M.E.P.:
1. REMOVE ALL ABANDONED MEP EQUIPMENT, DEVICES, DISTRIBUTION SYSTEMS, ETC. ON ROOF. PATCH HOLES AND PROPERLY REPAIR ROOFING.
2. LEAVE EXISTING CURBS IN PLACE AND PROVIDE SHEET METAL COVER, PROPERLY FLASH IN MEMBRANE AS REQUIRED FOR WATERTIGHT ASSEMBLY.
3. WHEREVER POSSIBLE, REUSE EXIST. ROOF PENETRATIONS FOR INSTALLATION OF NEW MEP SYSTEMS.

GENERAL NOTES
**GENERAL NOTES**

**ELEVATIONS**

Dallas | Austin
2900 S. Congress Ave.
2900 W. 5th St.
Austin, Texas 78704

**A. MASONRY:**
1. Power wash exterior masonry 100% with low to medium pressure water spray. Remove white staining below cast stone panels with mild detergent & bristle brush scrub.
2. Replace sealant at all expansion joints at brick masonry and cast stone.
3. Replace sealant at all penetrations through exterior wall.
4. Repoint cracked mortar joints where panel & epoxy set indicated, assume max. 200 sq. ft.

**B. PAINTING:**
1. Items to be painted:
   - Masonry anchor per struct.
   - Hollow metal door assemblies
   - Cast concrete panels 2" blw bot. of C.F. & T. of roofing
   - Metal columns at canopy
   - Sheet metal edge trim at roof perimeter
   - Windows:
     - Remove existing window assembly on west elevation where indicated to expose masonry opening. Provide 3"x6" flat soffit and jambs typ, & wash window style deck.
     - Remove red staining on window heads & jambs typ, & wash window style deck.
   - Doors:
     - Selectively replace storefront door 3/8" MTL. stud fastened to character ends
     - Replace existing light fixture in same location, refer to MEP, typ.
   - Sealant:
     - A-3.01
     - Provide metal canopy, ref. det. 6/A-3.01

**EQUIPMENT**

**EXISTING SHEET METAL EDGING, PAINT
6' - 8"**
GENERAL NOTES

EXTERIOR MASONRY:
1. Repoint cracked mortar joints, typ.
2. Paint aluminum columns, typ.
3. Paint architectural woodwork, typ.
4. Replace rotted wood.

EXTERIOR WOOD DOORS:
1. Replace broken glass.

PAINTING:
1. Paint exterior architectural woodwork.
2. Paint aluminum columns.
3. Paint metal stair assembly and railing.
4. Paint door assemblies.
5. Remove rust from steel lintels at window and door openings to bare metal and paint.
6. Paint gutters and downsputs.

ALTERNATIVES

ALTERNATIVE 8: Selective exterior work at convent; all work indicated on Sheet A-3.02.

ALTERNATIVE 9: Asbestos abatement at convent, ref. asbestos abatement specifications.

MILAM COUNTY ANNEX
Milam County Offices
806 N Crockett Ave
Cameron, Texas 76520
## Door Schedule

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Width</th>
<th>Height</th>
<th>Swing</th>
<th>Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3' - 10&quot;</td>
<td>7' - 0&quot;</td>
<td>Left</td>
<td>S1</td>
</tr>
<tr>
<td>B</td>
<td>3' - 0&quot;</td>
<td>7' - 0&quot;</td>
<td>Right</td>
<td>S1</td>
</tr>
<tr>
<td>C</td>
<td>3' - 0&quot;</td>
<td>7' - 0&quot;</td>
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<td>3' - 0&quot;</td>
<td>7' - 0&quot;</td>
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<td>3' - 0&quot;</td>
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<td>G</td>
<td>3' - 0&quot;</td>
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<td>Left</td>
<td>S1</td>
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<tr>
<td>H</td>
<td>3' - 0&quot;</td>
<td>7' - 0&quot;</td>
<td>Right</td>
<td>S1</td>
</tr>
</tbody>
</table>

### General Notes

1. **Schedule:**
   - Existent doors and frames scheduled to remain are to be repaired.

2. **Hardware:**
   - Provide threshold and sound seals at exterior doors.
   - Provide threshold and weather seals at all exterior doors.
   - At single user restrooms, provide ADA threshold and sound seals.

3. **Door Types:**
   - *Interior Hollow Metal Door* with a hollow metal core.
   - *Core Door with HPDL & Vision Panel*.
   - *Wood Core Doors*.
   - *Metal Door*.
   - *Interior Bifold Solid Doors*.

4. **Door Assemblies:**
   - Store front window & door assemblies.
   - Opening 101Q.

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**Architexas**

*Revised for Proposal, 07/2022*

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**MILAM COUNTY ANNEX**

*Milam County Offices*

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**Sheet Name**

STORE FRONT WINDOW & DOOR ASSEMBLY, OPENING 101Q

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**Door Types**

1. Existent detailed door inventory is provided.

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**Revised for Proposal, 07/2022**

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**MILAM COUNTY ANNEX**

*Milam County Offices*

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**Sheet Name**

STORE FRONT WINDOW & DOOR ASSEMBLY, OPENING 101Q
1. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, MECHANICAL PIPING, AND ASSOCIATED ELECTRICAL/CONTROLS TO BE DEMOLISHED UNLESS NOTED OTHERWISE. FIELD VERIFY ALL WORK WITH OWNER. PATCH AND SEAL ALL UNUSED ROOF PENETRATIONS AIR AND WEATHER TIGHT. COORDINATE WORK WITH ROOFING CONTRACTOR.

A. THE EXISTING HVAC EQUIPMENT PLAN WAS DRAWN BASED ON ORIGINAL BUILDING CONSTRUCTION DRAWINGS, AND IS NOT WARRANTED AS INDICATION OF EXACT FIELD CONDITIONS. IT IS INTENDED TO PROVIDE OVERALL CONCEPT OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DUCTWORK, AIR DEVICES, PIPING, ETC. PRIOR TO START OF WORK. REPORT ANY DISCREPANCIES TO A/E PRIOR TO START OF WORK.

B. PATCH, SEAL AIRTIGHT, AND REINSULATE EXISTING DUCTWORK WHERE DUCTWORK IS DEMOLISHED OR RELOCATED FROM EXISTING SYSTEM. FINISHED MATERIALS WHICH ARE TO REMAIN THAT ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED WITH MATERIALS WHICH MATCH THE EXISTING FINISHES.

D. IT IS THE INTENT OF THE CONTRACT PLANS TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS IN EVERY RESPECT. IN THE EVENT THAT ADDITIONAL DETAILS OR SPECIAL CONSTRUCTION MAY BE REQUIRED FOR WORK INDICATED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SAME AS WELL AS TO PROVIDE MATERIAL AND EQUIPMENT USUALLY FURNISHED WITH SUCH SYSTEMS OR REQUIRED TO COMPLETE THE INSTALLATION, WHETHER MENTIONED OR NOT, AT NO ADDITIONAL EXPENSE TO THE OWNER.

E. ITEMS TO BE REMOVED ARE INDICATED WITH DASHED LINES __________ ON DEMOLITION PLAN.

F. CLEAN AND TOUCH UP PAINT ALL RE-USED AIR DEVICES. FIELD VERIFY EXACT QUANTITIES OF AIR DEVICES TO BE RE-USED PRIOR TO SUBMITTING BID. PROVIDE UNIT PRICING FOR NEW SUPPLY AND RETURN AIR DEVICES.

G. EXISTING FACILITY IS TO REMAIN OPEN AND ACCESSIBLE DURING NORMAL WORK HOURS. COORDINATE WORK WITH FACILITY / MAINTENANCE MANAGER.
GENERAL NOTES

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G. EXISTING FACILITY IS TO REMAIN OPEN AND ACCESSIBLE DURING NORMAL WORK HOURS. COORDINATE WORK WITH FACILITY / MAINTENANCE MANAGER.
GENERAL NOTES

A. All field ductworkshall be supplied by contractors and installed according to plans and specifications.

B. Any additional ductwork shall be calculated by contractor and shall be priced at contractor's cost.

C. All ductwork shall be insulated according to manufacturer's recommendations.

D. All ductwork shall be designed and detailed by contractor and shall be installed according to plans.

E. All ductwork shall be connected to the building's HVAC system.

F. All ductwork shall be labeled with the name of the manufacturer and the model number.

NOTES BY SYMBOL (G)

A. 6"Ø TYP.

B. 8"Ø TYP.

C. 10"Ø TYP.

D. 12"Ø TYP.

E. 14"Ø TYP.

F. 16"Ø TYP.

G. 18"Ø TYP.

H. 20"Ø TYP.

I. 22"Ø TYP.

J. 24"Ø TYP.

K. 26"Ø TYP.

L. 28"Ø TYP.

M. 30"Ø TYP.

N. 32"Ø TYP.

O. 34"Ø TYP.

P. 36"Ø TYP.

Q. 38"Ø TYP.

R. 40"Ø TYP.

S. 42"Ø TYP.

T. 44"Ø TYP.

U. 46"Ø TYP.

V. 48"Ø TYP.

W. 50"Ø TYP.

X. 52"Ø TYP.

Y. 54"Ø TYP.

Z. 56"Ø TYP.
GENERAL NOTES

1. The designs, specifications, and details incorporated herein are not intended to be complete or comprehensive, but are representative of the requirements and standards which will be anticipated in the work. All material to be furnished by the Contractor in connection with the work shall be consistent with those shown, unless otherwise specified in the Bid Documents.

2. Any errors or omissions shall be reported to the Architect. No changes shall be made, either by the Contractor or the Architect, without written approval of the Architect.

3. Any unauthorized alteration of the plans and specifications shall void the bonds of the Contractor and warranty of the Contractor.

4. All dimensions are shown in inches. Do not adjust the drawing.

5. The Plan shall be in the possession of the Contractor and shall remain the property of the Architect.

6. The design, specifications, and details incorporated herein are not intended to be complete or comprehensive, but are representative of the requirements and standards which will be anticipated in the work. All material to be furnished by the Contractor in connection with the work shall be consistent with those shown, unless otherwise specified in the Bid Documents.

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10. The Plan shall be in the possession of the Contractor and shall remain the property of the Architect.

NOTES BY SYMBOL 'O'

1. The Contractor shall replace all filter(s) on AHU's, and RTU's after the final inspection. Filters installed during construction shall be replaced with filters intended for the intended use. Filters shall be installed on the return and supply ducts serving the space.

2. The Contractor shall install a new 1-1/4" condensate drain as shown. The drain shall discharge into the existing roof drain. The drain shall be connected to the existing 3" drain riser. The drain shall be connected to the existing 3" drain riser. The drain shall be connected to the existing 3" drain riser.

3. The Contractor shall coordinate with the general contractor and all other trades prior to installation. The Contractor shall ensure that all equipment, ductwork, and piping are installed in accordance with the architectural specifications.

4. The Contractor shall coordinate all work with the structural engineer. All structural requirements shall be satisfied before any work is performed. The Contractor shall ensure that all structural elements are coordinated with the architectural specifications.

5. The Contractor shall coordinate all work with the electrical engineer. All electrical requirements shall be satisfied before any work is performed. The Contractor shall ensure that all electrical elements are coordinated with the architectural specifications.

6. The Contractor shall coordinate all work with the plumbing engineer. All plumbing requirements shall be satisfied before any work is performed. The Contractor shall ensure that all plumbing elements are coordinated with the architectural specifications.

7. The Contractor shall coordinate all work with the HVAC engineer. All HVAC requirements shall be satisfied before any work is performed. The Contractor shall ensure that all HVAC elements are coordinated with the architectural specifications.

8. The Contractor shall coordinate all work with the mechanical engineer. All mechanical requirements shall be satisfied before any work is performed. The Contractor shall ensure that all mechanical elements are coordinated with the architectural specifications.

DEMOlITION NOTES BY SYMBOL 'D'

1. The Contractor shall demolish all existing mechanical equipment, ductwork, and associated components. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

2. The Contractor shall patch and seal all unused penetrations. Air and weather tight. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

3. The Contractor shall coordinate all ductwork transitions and/or offsets not penetrating structural walls. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

4. The Contractor shall coordinate all ductwork transitions and/or offsets not penetrating structural walls. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

5. The Contractor shall coordinate all ductwork transitions and/or offsets not penetrating structural walls. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

6. The Contractor shall coordinate all ductwork transitions and/or offsets not penetrating structural walls. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.

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10. The Contractor shall coordinate all ductwork transitions and/or offsets not penetrating structural walls. The Contractor shall coordinate all demolition work with the general contractor. The Contractor shall ensure that all work is completed in accordance with the architectural specifications.
**GENERAL NOTES**

- This is a mechanical room plan and drawing. It includes various mechanical systems and components.

- The mechanical systems include AHU-1, AHU-2, AHU-3, and AHU-4.

- The drawing shows the layout of the mechanical room with various ductwork, vents, and equipment.

- The drawing is to scale and includes dimensions for the various components.

- The mechanical room is located on the ground floor of the building.

**NOTES BY SYMBOL 'G'**

- All mechanical systems are to be installed and coordinated with the architectural specifications.

- All mechanical systems are to be installed and coordinated with the structural specifications.

- All mechanical systems are to be installed and coordinated with the electrical specifications.

- All mechanical systems are to be installed and coordinated with the plumbing specifications.

- All mechanical systems are to be installed and coordinated with the HVAC specifications.

**NOTES BY SYMBOL 'H'**

- All mechanical systems are to be installed and coordinated with the fire protection specifications.

- All mechanical systems are to be installed and coordinated with the lighting specifications.

- All mechanical systems are to be installed and coordinated with the soundproofing specifications.

- All mechanical systems are to be installed and coordinated with the ventilation specifications.

**NOTES BY SYMBOL 'R'**

- All mechanical systems are to be installed and coordinated with the refrigeration specifications.

- All mechanical systems are to be installed and coordinated with the ventilation specifications.

- All mechanical systems are to be installed and coordinated with the mechanical ventilation specifications.

- All mechanical systems are to be installed and coordinated with the mechanical ventilation specifications.

**NOTES BY SYMBOL 'I'**

- All mechanical systems are to be installed and coordinated with the interior specifications.

- All mechanical systems are to be installed and coordinated with the interior specifications.

- All mechanical systems are to be installed and coordinated with the interior specifications.

- All mechanical systems are to be installed and coordinated with the interior specifications.

**NOTES BY SYMBOL 'E'**

- All mechanical systems are to be installed and coordinated with the electrical specifications.

- All mechanical systems are to be installed and coordinated with the electrical specifications.

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- All mechanical systems are to be installed and coordinated with the electrical specifications.

**NOTES BY SYMBOL 'L'**

- All mechanical systems are to be installed and coordinated with the lighting specifications.

- All mechanical systems are to be installed and coordinated with the lighting specifications.

- All mechanical systems are to be installed and coordinated with the lighting specifications.

- All mechanical systems are to be installed and coordinated with the lighting specifications.

**NOTES BY SYMBOL 'C'**

- All mechanical systems are to be installed and coordinated with the computer specifications.

- All mechanical systems are to be installed and coordinated with the computer specifications.

- All mechanical systems are to be installed and coordinated with the computer specifications.

- All mechanical systems are to be installed and coordinated with the computer specifications.

**NOTES BY SYMBOL 'A'**

- All mechanical systems are to be installed and coordinated with the architectural specifications.

- All mechanical systems are to be installed and coordinated with the architectural specifications.

- All mechanical systems are to be installed and coordinated with the architectural specifications.

- All mechanical systems are to be installed and coordinated with the architectural specifications.

**NOTES BY SYMBOL 'D'**

- All mechanical systems are to be installed and coordinated with the mechanical specifications.

- All mechanical systems are to be installed and coordinated with the mechanical specifications.

- All mechanical systems are to be installed and coordinated with the mechanical specifications.

- All mechanical systems are to be installed and coordinated with the mechanical specifications.
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any errors or omissions shall be reported to Architexas without delay. The Copyrights to all designs and drawings are the property of Architexas. Reproduction or use for any purpose other than that authorized by Architexas is forbidden.

**REVISION HISTORY**

<table>
<thead>
<tr>
<th>Architexas No.</th>
<th>Sheet Name</th>
<th>Date</th>
<th>Sheet Number</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>May 19, 2020</td>
<td>1944</td>
</tr>
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</table>

**MECHANICAL DETAILS**

- **ACOUSTICAL LINER**
  - DUCTWORK WITH 1'' AIR DEVICE
  - INLET SIZE OF GRILLE
  - DUCT SIZE TO MATCH
  - MIN. TWO 90 DEGREE ELBOWS

- **RETURN AIR TRANSFER DUCT DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 4

- **RETURN AIR BOOT DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 3

- **FAV TERMINAL UNIT CONNECTION DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 2

- **FIRE/SMOKE DAMPER DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 1

- **ACOUSTICAL LINER**
  - DUCTWORK WITH 1'' AIR DEVICE
  - INLET SIZE OF GRILLE
  - DUCT SIZE TO MATCH
  - MIN. TWO 90 DEGREE ELBOWS

- **RETURN AIR TRANSFER DUCT DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 4

- **RETURN AIR BOOT DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 3

- **FAV TERMINAL UNIT CONNECTION DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 2

- **FIRE/SMOKE DAMPER DETAIL**
  - SCALE: N.T.S.
  - M-502
  - 1

**NOTES**

- **DUCT CONNECTION (TYPICAL)**
  - SLEEVE (SEE NOTES #2 & #3)

- **WALL/FLOOR CONSTRUCTION**
  - 6" MAX.
  - ON ALL SIDES
  - SEE NOTE #4

- **1/4" MIN. CLEARANCE**

- **1" MIN. OVERLAP (4 SIDES)**

**MILAM COUNTY ANNEX**

- **Milam County Offices**
  - 806 N Crockett Ave
  - Cameron, Texas 76520

**ARCHITEXAS**

- **Dallas | Austin**
  - www.architexas.com
  - 2900 S. Congress Ave
  - #200
  - Austin, Texas 78704
  - p 512.444.4220
### AIR CURTAIN SCHEDULE

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Date</th>
<th>Notes</th>
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<tbody>
<tr>
<td>M-601</td>
<td>Ex-107 Vertical</td>
<td>May 19, 2020</td>
<td>Pressure on 89 SECS ( değişiklik yapın)</td>
</tr>
</tbody>
</table>

**Notes:**
- Please refer to Section 106 for additional requirements.
- Material shall be ordered by Architexas with written approval from customer.
- Cuts shall be checked for 5% diversion expected to 17.7% standard deviation.
- Power shall be assigned by Architexas.

### EXHAUST FAN SCHEDULE

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
</table>
| M-601 | Dx-107 Vertical | May 19, 2020 | Power shall be assigned by Architexas.

**Notes:**
- Material shall be ordered by Architexas with written approval from customer.
- Cuts shall be checked for 5% diversion expected to 17.7% standard deviation.
- Power shall be assigned by Architexas.

### GRAVITY VENTILATOR SCHEDULE

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Date</th>
<th>Notes</th>
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</thead>
</table>
| M-601 | T-107 Vertical | May 19, 2020 | Power shall be assigned by Architexas.

**Notes:**
- Material shall be ordered by Architexas with written approval from customer.
- Cuts shall be checked for 5% diversion expected to 17.7% standard deviation.
- Power shall be assigned by Architexas.

### PUMP SCHEDULE

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
</table>
| M-601 | P-107 Vertical | May 19, 2020 | Power shall be assigned by Architexas.

**Notes:**
- Material shall be ordered by Architexas with written approval from customer.
- Cuts shall be checked for 5% diversion expected to 17.7% standard deviation.
- Power shall be assigned by Architexas.

### VAV BOX WITH HOT WATER REHEAT SCHEDULE

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Description</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
</table>
| M-601 | V-107 Vertical | May 19, 2020 | Power shall be assigned by Architexas.

**Notes:**
- Material shall be ordered by Architexas with written approval from customer.
- Cuts shall be checked for 5% diversion expected to 17.7% standard deviation.
- Power shall be assigned by Architexas.
VARIABLE CAPACITY HEAT PUMP AIR CONDITIONING UNIT SCHEDULE

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<td>ML-3</td>
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<td>24,000</td>
<td>24,000</td>
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NOTES:
- Dimensions within the electrical drawings may vary from the electrical connection.
- All units are selected by the designer and manufacturer according to the contractor.
- Units shall be furnished as standard equipment in accordance with the manufacturer's specifications and installation recommendations.
- The contractor shall verify all dimensions. DO NOT SCALE THE DRAWING.
- Any errors or omissions shall be reported to Architexas without delay.
- The copyrights to all designs and drawings are the property of Architexas. Reproduction or use for any purpose other than that authorized by Architexas is forbidden.

EXISTING DIRECT EXPANSION ROOF TOP AIR CONDITIONING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>SHEET NUMBER</th>
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<th>SHEET NAME</th>
<th>SHEET NAME</th>
<th>SHEET NAME</th>
<th>SHEET NAME</th>
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<tr>
<td>EXISTING</td>
<td>OUTSIDE AIR</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
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NOTES:
- At the time of installation, all mechanical work shall be done in accordance with the manufacturer's instructions.
- The contractor shall verify all dimensions and make any necessary corrections.
- Any errors or omissions shall be reported to Architexas without delay.
- The copyrights to all designs and drawings are the property of Architexas. Reproduction or use for any purpose other than that authorized by Architexas is forbidden.

EXISTING KITCHEN EXHAUST FAN SCHEDULE

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<tr>
<th>NAME</th>
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<th>OUTDOOR</th>
<th>OUTDOOR</th>
<th>OUTDOOR</th>
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<tbody>
<tr>
<td>EXISTING</td>
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<td>600</td>
<td>600</td>
<td>600</td>
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</table>

NOTES:
- All unit work shall be performed in accordance with the manufacturer's instructions.
- Any errors or omissions shall be reported to Architexas without delay.
- The copyrights to all designs and drawings are the property of Architexas. Reproduction or use for any purpose other than that authorized by Architexas is forbidden.
### ALTERNATE M6 - AIR-COOLED CHILLER SCHEDULE

<table>
<thead>
<tr>
<th>NAME</th>
<th>SERVICE</th>
<th>SHEET</th>
<th>NO.</th>
<th>SHEET</th>
<th>NAME</th>
<th>MODEL</th>
<th>PREPARED BY</th>
<th>REVIEWED BY</th>
<th>ISSUE</th>
<th>SHEETS</th>
<th>SHEET NUMBERS</th>
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<tr>
<td>M-604</td>
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<td></td>
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### ALTERNATE M4 - DIRECT EXPANSION ROOFTOP AIR CONDITIONING UNIT SCHEDULE

<table>
<thead>
<tr>
<th>NAME</th>
<th>SERVICE</th>
<th>SHEET</th>
<th>NO.</th>
<th>SHEET</th>
<th>NAME</th>
<th>MODEL</th>
<th>PREPARED BY</th>
<th>REVIEWED BY</th>
<th>ISSUE</th>
<th>SHEETS</th>
<th>SHEET NUMBERS</th>
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<tbody>
<tr>
<td>M-604</td>
<td>MECHANICAL SCHEDULES &amp; CALCULATIONS</td>
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<td></td>
</tr>
</tbody>
</table>
VAV BOX (TYP.) CONTROL SCHEMATIC

VAV AHU (AHU-3) CONTROL SCHEMATIC

VAV AHU (AHU-1, AHU-2) CONTROL SCHEMATIC

[Diagram of control schematics involving various components such as sensors, zones, dampers, and control valves.

ALGORITHM OF OPERATION:

1. ISSUED FOR PROPOSAL: 05/19/2020

2. COPYRIGHT © 2019

3. UNIVERSITY OF TEXAS AT AUSTIN

4. ARCHITEXAS IS FORBIDDEN.

5. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO

6. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE

7. FOR THE ACCURACY OF THE DESIGNS AND DRAWINGS.

8. THE DESIGNS AND DRAWINGS ARE THE PROPERTY OF

9. ARCHITEXAS.

10. VAV BOX WITH HOT WATER REHEAT SEQUENCE OF OPERATION:
1.EXISTING AIR COOLED CHILLER.
2.NEW CHILLED WATER PIPING TO BE PROVIDED FOR POTENTIAL NEW AIR COOLED CHILLER. PROVIDE ISOLATION VALVES AND BLIND FLANGE.
3.NEW CHILLED WATER PUMP AND ASSOCIATED ACCESSORIES.
4.EXISTING HEATING HOT WATER BOILER.
5.EXISTING HEATING HOT WATER PUMP.
6.CHILLED WATER BYPASS. PROVIDE MODULATING FLOW CONTROL GLOBE VALVE. REFER TO SEQUENCE OF OPERATIONS FOR MORE INFORMATION.
7.EXISTING BURIED PIPING.
8.AIR HANDLING UNITS - REFER TO MECHANICAL DETAILS FOR FITTING, VALVE, AND OTHER CONNECTION REQUIREMENTS.
9.REFER TO FLOOR PLANS FOR HHWS/HHWR PIPING TO VAV REHEAT BOXES.
10.NEW AIR COOLED CHILLER (ALTERNATE #5). REFER TO MECHANICAL CONTROLS AND SCHEDULES FOR MORE INFORMATION.
### Electrical Symbols

#### Abbreviations

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>Ammeter</td>
</tr>
<tr>
<td>C</td>
<td>Capacitor</td>
</tr>
<tr>
<td>D</td>
<td>Diode</td>
</tr>
<tr>
<td>F</td>
<td>Fuse</td>
</tr>
<tr>
<td>G</td>
<td>Ground</td>
</tr>
<tr>
<td>H</td>
<td>Hinge</td>
</tr>
<tr>
<td>I</td>
<td>Inlet</td>
</tr>
<tr>
<td>L</td>
<td>Lamp</td>
</tr>
<tr>
<td>M</td>
<td>Motor</td>
</tr>
<tr>
<td>N</td>
<td>Neutral</td>
</tr>
<tr>
<td>O</td>
<td>Outlet</td>
</tr>
<tr>
<td>P</td>
<td>Plug</td>
</tr>
<tr>
<td>R</td>
<td>Relay</td>
</tr>
<tr>
<td>S</td>
<td>Switch</td>
</tr>
<tr>
<td>T</td>
<td>Transformer</td>
</tr>
<tr>
<td>U</td>
<td>Utility</td>
</tr>
<tr>
<td>V</td>
<td>Valve</td>
</tr>
<tr>
<td>W</td>
<td>Wire</td>
</tr>
</tbody>
</table>

#### Sheet Symbols

- **Detail Title**: Used to indicate the title of a drawing or a section.
- **Plan View**: Shows the arrangement of components and their relationship to each other from a top-down perspective.
- **Elevation**: Shows the height and orientation of components along a vertical axis.
- **Section**: Provides a cross-sectional view of the building or its components.
- **Assembly**: Depicts how components are assembled to form a larger unit or system.

#### Schedule Symbols

- **Title**: Specifies the title of the schedule.
- **Column Headers**: Contains the column labels and headers for the schedule.
- **Rows**: Lists the data for each item in the schedule.
- **Footer**: Includes notes, comments, or additional information.

#### Lighting Symbols

- **Lighting Fixtures**: Represented by a circle with a cross, the number of lamps, and the wattage.
- **Sockets**: Indicated by a square with a vertical line.
- **Dimmers**: Shows the symbol for a dimmer switch.
- **Recessed Luminaires**: Depicted by a square with a circular opening.

#### Electrical Symbols

- **Transformers**: Illustrated by a circle with a cross and a smaller circle inside.
- **Protective Devices**: Indicated by a triangle with a curved line.
- **Cable Conduit**: Represented by a line with small squares along its path.
- **Motor Control Centers**: Shown by a rectangle with a cross.

#### Fire Alarm Symbols

- **Fire Alarm System**: Illustrated by a line with a triangle at the end.
- **Smoke Detectors**: Depicted by a circle with a cross.
- **Manual Pull Stations**: Indicated by a line with a circle at the end.
- **Sprinkler Heads**: Represented by a circle with a cross.

#### General Notes

- **Revision History**: Indicates the version and changes made to the drawing.
- **Construction Notes**: Includes instructions for the construction process.
- **Material Specifications**: Lists the materials and their properties.
- **Code Requirements**: Specifies the relevant building codes and standards.

---

### Notes

- **Not to Scale**: Indicates that the drawing is not to be used for exact measurements.
- **Architectural Drawings Only**: States that the document is for architectural purposes only.
- **All Device Mounting Heights With Opposite Hand (Mirrored)**: Specifies the orientation of device mounting heights.
- **Minimum**: Denotes the minimum requirement for the component.
- **Maximum**: Indicates the maximum allowed value for the component.
- **Existing Lighting Fixtures / Equipment Legend**: Lists the existing fixtures and their legends.
- **Lighting Fixtures TAG Legend**: Defines the symbols for lighting fixtures.
- **Architectural Drawings**: Relevant for architectural planning and design.
- **Electrical Drawings**: Pertains to electrical systems and installations.
- **Fire Alarm Manual Pull Station**: Depicts the location of fire alarm stations.
- **Control Panel Furnished With Equipment**: Indicates the control panel and its components.
- **Distribution Panel**: Represents the main electrical panel.
- **Fire Alarm Control Panel**: Shows the location of the fire alarm panel.
- **Fire Alarm Detector**: Depicts the position of fire alarm detectors.

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**Austin, Texas 78704**

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**Contact Building Manager for Roof Warranty Supports.**

---

**Note:** All symbols and notations are subject to change based on the project requirements and specifications.

---

**Important:** The drawings are for reference and are not intended for construction purposes.
NOTES BY SYMBOL '     ' 

1. EXISTING ELECTRICAL GEAR TO REMAIN. 

2. AS-BUILT DRAWINGS INDICATE 3-WIRE PANEL FEEDER WITH NO NEUTRAL TO PANEL PP1. FIELD VERIFY EXISTING WIRE, AND PULL NEW 4-WIRE FEEDER FROM MAIN SWITCHBOARD AS INDICATED IN THE ONE-LINE DIAGRAM ON SHEET E-602. 

3. AS-BUILT DRAWINGS INDICATE 4-WIRE FEEDER TO EMERGENCY POWER PANEL EPP. FIELD VERIFY EXISTING WIRE CONFIGURATION AND CONDITION, AND REPLACE AS NEEDED. 

4. PROVIDE NEW POWER PANEL AT EXISTING PANEL LOCATION. REFER TO SHEETS E-401 AND E-602 FOR MORE INFORMATION. 

5. BUILDING EXTERIOR LIGHTING SHOWN FOR REFERENCE. RE: SHEETS E-111 AND E-112 FOR MORE INFORMATION. 

6. EXISTING SITE LIGHTING TO REMAIN. CLEAN AND RE-LAMP. VERIFY EXISTING CONDITION, AND REPLACE LUMINAIRE AS NEEDED. EXTEND NEW WIRE AND CONDUIT IN BUILDING AS REQUIRED TO HOME RUN TO NEW CIRCUIT BREAKER IN NEW POWER PANEL. 

7. EXISTING ONCOR ELECTRIC UTILITY TRANSFORMER AND PRIMARY METER TO REMAIN. 

GENERAL NOTES 

A. REFER TO SHEET E-001 - ELECTRICAL GENERAL NOTES & SPECIFICATIONS FOR MORE INFORMATION. 

B. EXISTING TRANSFORMER LOCATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION AND UTILIZATION OF APPROVED ONCOR ELECTRIC ENGINEERED SITE UTILITY LAYOUT WHEN BIDDING SITE ELECTRICAL SCOPE OF WORK. REFER TO ONCOR ELECTRIC UTILITY COMPANY'S ENGINEERED SITE PLAN FOR EXACT LAYOUT AND REQUIREMENTS. 

C. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL COSTS ASSOCIATED WITH THE MODIFICATION OF THE EXISTING ELECTRICAL SERVICE WITH ONCOR ELECTRIC UTILITY AND INCLUDE IN BID. 

D. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY ROUGH AND FINAL GRADES WITH CIVIL ENGINEER PRIOR TO INSTALLATION. 

E. UPSIZE SERVICE ENTRANCE FEEDER & BRANCH CIRCUIT FEEDER TO COMPENSATE FOR VOLTAGE DROP PER NEC AS REQUIRED. 

F. ALL EXTERIOR LIGHTING FIXTURES SHALL BE CONTROLLED BY PHOTOCELL AND 7-DAY PROGRAMMABLE TIME CLOCK (ADJUSTABLE). ALL EMERGENCY LIGHT FIXTURES SHALL HAVE BATTERY BACKUP CONNECTED TO A NON-SWITCHED LIGHTING CIRCUIT. PROVIDE FIXTURE WITH 90-MINUTE BATTERY UNIT FOR EMERGENCY EGRESS LIGHTING.
A. REFER TO SHEET E0.1 FOR ADDITIONAL INFORMATION.

B. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES. VERIFY FINAL MOUNTING HEIGHTS OF ALL WIRING DEVICES IN OR ABOVE MILLWORK WITH ARCHITECT PRIOR TO ROUGH-IN.

D. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITRY UTILIZED AND ACCURATELY LABEL NEW AND EXISTING JUNCTION BOXES WITH THE RESPECTIVE PANEL AND CIRCUIT NUMBER(S). IN ADDITION, THE RESPECTIVE PANELBOARD DIRECTORIES SHALL BE UPDATED. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.

E. ALL GFI RECEPTACLES INDICATED ON THE PLAN SHALL MEET THE REVISED LATEST U.L. REQUIREMENTS.

F. ALL CIRCUIT BREAKERS TO BE UTILIZED FOR EQUIPMENT WITH HERMETIC REFRIGERANT MOTOR-COMPRESSORS (HVAC EQUIPMENT AND REFRIGERATORS) SHALL BE HACR TYPE.

G. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.

H. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED TYPED PANEL SCHEDULE.

I. COORDINATE ALL FLOOR CORES WITH ARCHITECT AND/OR FURNITURE VENDOR PRIOR TO CONSTRUCTION. VERIFY WITH LANDLORD IF SLAB X-RAY IS REQUIRED FOR ALL FLOOR PENETRATIONS.

J. COORDINATE THE EXACT LOCATION, WIRING REQUIREMENTS, AND NEMA CONFIGURATION FOR ALL EQUIPMENT WITH THE MANUFACTURER PRIOR TO INSTALLATION.

K. ALL HVAC UNITS SUPPLYING 2000 CFM AND ABOVE SHALL HAVE DUCT MOUNTED SMOKE DETECTORS IN SUPPLY AIR DUCTWORK. HVAC EQUIPMENT SHALL BE DE-ENERGIZED UPON SIGNAL FROM FIRE ALARM SYSTEM. COORDINATE WITH MECHANICAL AND FIRE ALARM CONTRACTOR FOR EXACT REQUIREMENTS.

L. FIRE WALL: DO NOT INSTALL RECEPTACLES, TELEPHONE, DATA OUTLETS ETC. BACK-TO-BACK IN FIRE/SMOKE PARTITION OR WITHIN THE SAME SPACE ENCLOSED BY TWO ADJACENT STUDS. ALSO APPLY TO ALL CORRIDOR WALLS.

SPECIAL NOTE:

1. REFER TO DISCONNECT SCHEDULE LOCATED ON SHEET E-603 - ELECTRICAL PANEL SCHEDULES FOR MORE INFORMATION.

2. PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH(S) AND WP/WR/GFI SERVICE RECEPTACLE WITH EXTRA DUTY COVER PLATE AT ROOF ADJACENT TO EQUIPMENT. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH MECHANICAL AND ROOFING CONTRACTORS. INSTALLATION SHALL NOT VOID EXISTING ROOF WARRANTY.

3. PROVIDE NEW RACK-MOUNTED DISCONNECT SWITCH AND HOME RUN NEW BRANCH CIRCUIT TO NEW CIRCUIT BREAKER IN NEW POWER PANEL FOR POWER TO OUTSIDE AIR HANDLING UNIT. NOTE THAT MECHANICAL SCOPE CONTAINS ALTERNATE TO REPLACE EXISTING OUTSIDE AIR HANDLING UNIT. VERIFY EXACT POWER REQUIREMENTS OF EXISTING EQUIPMENT IN FIELD AND COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION TO PROVIDE CORRECT SIZE CIRCUIT BREAKER, CONDUIT, WIRE AND DISCONNECT.

SPECIAL NOTE:

ALL ROOF WORK AND/OR ALTERATIONS TO BE PERFORMED BY THE ORIGINAL OR AUTHORIZED ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY.
GENERAL NOTES

1. REFER TO SHEET E0.1 FOR ADDITIONAL INFORMATION.
2. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES. VERIFY FINAL MOUNTING HEIGHTS OF ALL WIRING DEVICES IN OR ABOVE MILLWORK WITH ARCHITECT PRIOR TO ROUGH-IN.
3. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITRY UTILIZED AND ACCURATELY LABEL NEW AND EXISTING JUNCTION BOXES WITH THE RESPECTIVE PANEL AND CIRCUIT NUMBER(S). IN ADDITION, THE RESPECTIVE PANELBOARD DIRECTORIES SHALL BE UPDATED. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED "TYPED" PANEL BOARD SCHEDULES FOR ALL PANELS SERVING THE PROJECT AREA.
4. ALL GFI RECEPTACLES INDICATED ON THE PLAN SHALL MEET THE REVISED LATEST U.L. REQUIREMENTS.
5. ALL CIRCUIT BREAKERS TO BE UTILIZED FOR EQUIPMENT WITH HERMETIC REFRIGERANT MOTOR-COMPRESSORS (HVAC EQUIPMENT AND REFRIGERATORS) SHALL BE HACR TYPE.
6. REFERENCE ARCHITECTURAL DRAWINGS AND COORDINATE THE EXACT LOCATION AND ORIENTATION FOR ALL NEW RECEPTACLES, LIGHT SWITCHES, AND LIGHT FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
7. ALL CIRCUIT BREAKER NOT UTILIZED SHALL BE TURNED "OFF" AND LABELED "SPARE" ON UPDATED TYPED PANEL SCHEDULE.
8. COORDINATE ALL FLOOR CORES WITH ARCHITECT AND/OR FURNITURE VENDOR PRIOR TO CONSTRUCTION. VERIFY WITH LANDLORD IF SLAB X-RAY IS REQUIRED FOR ALL FLOOR PENETRATIONS.
9. COORDINATE THE EXACT LOCATION, WIRING REQUIREMENTS, AND NEMA CONFIGURATION FOR ALL EQUIPMENT WITH THE MANUFACTURER PRIOR TO INSTALLATION.
10. ALL HVAC UNITS SUPPLYING 2000 CFM AND ABOVE SHALL HAVE DUCT MOUNTED SMOKE DETECTORS IN SUPPLY AIR DUCTWORK. HVAC EQUIPMENT SHALL BE DE-ENERGIZED UPON SIGNAL FROM FIRE ALARM SYSTEM. COORDINATE WITH MECHANICAL AND FIRE ALARM CONTRACTOR FOR EXACT REQUIREMENTS.
11. FIRE WALL: DO NOT INSTALL RECEPTACLES, TELEPHONE, DATA OUTLETS ETC. BACK-TO-BACK IN FIRE/SMOKE PARTITION OR WITHIN THE SAME SPACE ENCLOSED BY TWO ADJACENT STUDS. ALSO APPLY TO ALL CORRIDOR WALLS.

SPECIAL NOTE:

1. REFER TO DISCONNECT SCHEDULE LOCATED ON SHEET E-603 - ELECTRICAL PANEL SCHEDULES FOR MORE INFORMATION.
2. PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH(S) AND WP/WR/GFI SERVICE RECEPTACLE WITH EXTRA DUTY COVER PLATE AT ROOF ADJACENT TO EQUIPMENT. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH MECHANICAL AND ROOFING CONTRACTORS. INSTALLATION SHALL NOT VOID EXISTING ROOF WARRANTY.
3. PROVIDE NEW RACK-MOUNTED DISCONNECT SWITCH AND HOME RUN NEW BRANCH CIRCUIT TO NEW CIRCUIT BREAKER IN NEW POWER PANEL FOR POWER TO OUTSIDE AIR HANDLING UNIT. NOTE THAT MECHANICAL SCOPE CONTAINS ALTERNATE TO REPLACE EXISTING OUTSIDE AIR HANDLING UNIT. VERIFY EXACT POWER REQUIREMENTS OF EXISTING EQUIPMENT IN FIELD AND COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION TO PROVIDE CORRECT SIZE CIRCUIT BREAKER, CONDUIT, WIRE AND DISCONNECT.

NOTES BY SYMBOL 'C):

A. REFER TO DISCONNECT SCHEDULE LOCATED ON SHEET E-603 - ELECTRICAL PANEL SCHEDULES FOR MORE INFORMATION.
B. PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH(S) AND WP/WR/GFI SERVICE RECEPTACLE WITH EXTRA DUTY COVER PLATE AT ROOF ADJACENT TO EQUIPMENT. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH MECHANICAL AND ROOFING CONTRACTORS. INSTALLATION SHALL NOT VOID EXISTING ROOF WARRANTY.
C. PROVIDE NEW RACK-MOUNTED DISCONNECT SWITCH AND HOME RUN NEW BRANCH CIRCUIT TO NEW CIRCUIT BREAKER IN NEW POWER PANEL FOR POWER TO OUTSIDE AIR HANDLING UNIT. NOTE THAT MECHANICAL SCOPE CONTAINS ALTERNATE TO REPLACE EXISTING OUTSIDE AIR HANDLING UNIT. VERIFY EXACT POWER REQUIREMENTS OF EXISTING EQUIPMENT IN FIELD AND COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION TO PROVIDE CORRECT SIZE CIRCUIT BREAKER, CONDUIT, WIRE AND DISCONNECT.
GENERAL NOTES

A. REFER TO SHEETS 4 & 5 FOR COMPLETE DETAILS.

B. THIS DRAWING IS FOR THE OPERATION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

C. THIS DRAWING IS FOR THE CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION COMPANY TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

D. THIS DRAWING IS FOR THE OPERATION AND MANNER OF USE OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

E. THIS DRAWING IS FOR THE CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION COMPANY TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

F. THIS DRAWING IS FOR THE OPERATION AND MANNER OF USE OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

G. THIS DRAWING IS FOR THE CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION COMPANY TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

H. THIS DRAWING IS FOR THE OPERATION AND MANNER OF USE OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

I. THIS DRAWING IS FOR THE CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION COMPANY TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

J. THIS DRAWING IS FOR THE OPERATION AND MANNER OF USE OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

K. THIS DRAWING IS FOR THE CONSTRUCTION OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION COMPANY TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.

L. THIS DRAWING IS FOR THE OPERATION AND MANNER OF USE OF THE BUILDING. IT IS THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT THE BUILDING MEETS THE REQUIREMENTS OF LOCAL CODES.
GENERAL NOTES:

1. ISSUE THIS DRAWING AS ISSUED PROPOSAL. FOR PROPOSAL ISSUED TO OWNER.

2. ISSUES FOR PROPOSAL: 05/19/2020

3. THE LOCATION SHOWN ON M.E.P. DRAWINGS. LOCATIONS SHOWN ON M.E.P. DRAWINGS.

4. DRAWINGS DEPICT AREA THAT ARE REQUIRED TO BE SWITCHED USING CONTROL PANELS.

5. DEMONSTRATE ORIGINAL INTENDED USE. THE CONTRACTOR SHOULD COORDINATE WITH THE ENGINEER OR OWNER FOR THE INDICATION OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

6. FIELD VERIFY THE DRAWINGS DEPICT AREA THAT ARE REQUIRED TO BE SWITCHED USING CONTROL PANELS. IT IS INTENDED TO PROVIDE OVERALL INDICATION OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

7. DETERMINATION OF THE QUANTITY AND PLACEMENT OF SENSORS TO PROVIDE FULL COVERAGE AND TO ALLOW FOR THE RESPONSIBILITY OF THE CONTRACTOR.

8. DISPOSAL OF ALL DEMOLISHED EQUIPMENT NOT REQUESTED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES TO A/E PRIOR TO START OF WORK.

9. CONCEPT OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

10. ALL LOBBY & WAITING ROOMS SHOWN ON THE MEASUREMENT SHEETS SHOWN OF 05/19/2020.

11. LIMITATION OF AREA SHOWN ON THE MEASUREMENT SHEETS OF 05/19/2020.

12. ALL DRIVERS SHALL DEFAULT TO ORIGINAL INTENDED USE. ALTERED, IN WHOLE OR IN PART, FOR PURPOSE OTHER THAN THAT AUTHORIZED BY THE QUANTITY AND PLACEMENT OF SENSORS TO PROVIDE FULL COVERAGE AND TO ALLOW FOR THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSAL OF ALL DEMOLISHED EQUIPMENT NOT REQUESTED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES TO A/E PRIOR TO START OF WORK.

13. THE ELECTRICAL LIGHTING CIRCUIT PLAN IS ISSUED AS ISSUED TO OWNER. ISSUES FOR PROPOSAL ISSUED TO OWNER.

14. THE LOCATION SHOWN ON M.E.P. DRAWINGS. LOCATIONS SHOWN ON M.E.P. DRAWINGS.

15. DRAWINGS DEPICT AREA THAT ARE REQUIRED TO BE SWITCHED USING CONTROL PANELS. IT IS INTENDED TO PROVIDE OVERALL INDICATION OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

16. DETERMINATION OF THE QUANTITY AND PLACEMENT OF SENSORS TO PROVIDE FULL COVERAGE AND TO ALLOW FOR THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSAL OF ALL DEMOLISHED EQUIPMENT NOT REQUESTED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES TO A/E PRIOR TO START OF WORK.

17. CONCEPT OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

18. ALL LOBBY & WAITING ROOMS SHOWN ON THE MEASUREMENT SHEETS SHOWN OF 05/19/2020.

19. LIMITATION OF AREA SHOWN ON THE MEASUREMENT SHEETS OF 05/19/2020.

20. ALL DRIVERS SHALL DEFAULT TO ORIGINAL INTENDED USE. ALTERED, IN WHOLE OR IN PART, FOR PURPOSE OTHER THAN THAT AUTHORIZED BY THE QUANTITY AND PLACEMENT OF SENSORS TO PROVIDE FULL COVERAGE AND TO ALLOW FOR THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSAL OF ALL DEMOLISHED EQUIPMENT NOT REQUESTED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES TO A/E PRIOR TO START OF WORK.

NOTES BY SYMBOL 'O':

1. A HUB UNIT SHOWN ON THE MEASUREMENT SHEETS SHOWN OF 05/19/2020.

2. LIMITATION OF AREA SHOWN ON THE MEASUREMENT SHEETS OF 05/19/2020.

3. ALL DRIVERS SHALL DEFAULT TO ORIGINAL INTENDED USE. ALTERED, IN WHOLE OR IN PART, FOR PURPOSE OTHER THAN THAT AUTHORIZED BY THE QUANTITY AND PLACEMENT OF SENSORS TO PROVIDE FULL COVERAGE AND TO ALLOW FOR THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSAL OF ALL DEMOLISHED EQUIPMENT NOT REQUESTED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCIES TO A/E PRIOR TO START OF WORK.

4. CONCEPT OF EXISTING SYSTEM. FIELD VERIFY DIMENSIONS AND LOCATIONS OF DISCREPANCIES TO A/E PRIOR TO START OF WORK.

5. ALL LOBBY & WAITING ROOMS SHOWN ON THE MEASUREMENT SHEETS SHOWN OF 05/19/2020.

6. LIMITATION OF AREA SHOWN ON THE MEASUREMENT SHEETS OF 05/19/2020.

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1. ISSUED FOR PROPOSAL: 05/19/2020

2. ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION

3. PROVIDE ARC FLASH LABELING FOR ALL NEW EQUIPMENT AS REQUIRED PER NEC ARTICLE 110.16 AND NFPA-70E.

4. EXISTING DEDICATED OUTSIDE AIR SYSTEM TO REMAIN.

5. DEMOLISH EXISTING POWER PANEL AND ASSOCIATED BRANCH CIRCUITS UNLESS NOTED OTHERWISE.

6. ARC ENERGY REDUCTION FOR ENCLOSED OUTSIDE AIR SYSTEM.

7. EXISTING HOT WATER PUMPS

8. EXISTING MOTOR CONTROL CENTER 'MCC-1', 600 AMP, 480Y / 277V, 3φ, 3W

9. EXISTING EMERGENCY GENERATOR

10. EXISTING EMERGENCY POWER PANEL 'EPP', 225 AMP, 480Y / 277V, 3φ, 4W

11. EXISTING ATS

12. EXISTING ATS No.

13. EXISTING PANEL FEEDER FROM MECHANICAL BUILDING IS INDICATED IN THE EXISTING CONSTRUCTION DRAWINGS

14. ONCOR AND INC

15. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COSTS ASSOCIATED WITH THE INSTALLATION OF THE NEW EQUIPMENT.

16. THE GROUND-FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED WHEN FIRST INSTALLED ON SITE.

17. ELECTRICAL ONE-LINE DIAGRAM

18. DEMOLITION ONE-LINE DIAGRAM

19. ELECTRICAL ONE-LINE DIAGRAM GENERAL NOTES:

20. DEMOLITION ONE-LINE DIAGRAM NOTED NOTES:

21. SHEET NAME

22. ARCHITEXAS NO.

23. DATE

24. Architexas is forbidden.

25. COPYRIGHT

26. Milam County Offices

27. MILAM COUNTY ANNEX

28. Aledo, Texas 76008

29. PAGE Dimensions: 2160.0x3024.0

30. 2x2

31. Y

32. EXISTING

33. HOT WATER PUMPS

34. B

35. DEMOLITION

36. A

37. ELECTRICAL ONE-LINE DIAGRAM - 240.87.

38. Sheet Name

39. ARC ENERGY REDUCTION FOR OVERCURRENT DEVICES 1200-AMPS AND HIGHER SHALL COMPLY WITH NEC.

40. May 19, 2020

41. 1944

42. Date

43. Architexas No.

44. THE GROUND-FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED WHEN FIRST INSTALLED ON SITE.

45. NEC AS REQUIRED.

46. ALL GROUNDING SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS.

47. ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION

48. Architexas is forbidden.

49. COPYRIGHT
### EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

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<tr>
<th>Description</th>
<th>Part</th>
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**Notes:**
- All systems, tabs, and connections shall be secured according to equipment specifications.
- All equipment shall be furnished with conduit, cable, and fittings as specified.
- All equipment shall be furnished with conduits and fittings as specified.
- The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing.
- Any errors or omissions shall be reported to Architexas without delay. The Copyrights to all designs and drawings are the property of Architexas. Reproduction or use for any purpose other than that authorized by Architexas is forbidden.

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**Architexas No.**

- 1944
- May 19, 2020
- E-603

**Electrical Panel Schedules**

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**Milam County Annex**

- Milam County Offices
- 806 N Crockett Ave
- Cameron, Texas 76520

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**Revision History**

- ISSUED FOR PROPOSAL: 05/19/2020

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**Dallas | Austin**

- www.architexas.com
- 2900 S. Congress Ave
- #200
- Austin, Texas 78704
- p 512.444.4220
<table>
<thead>
<tr>
<th>Panel</th>
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<tr>
<td>Panel B</td>
<td>Service Panel</td>
<td>500</td>
<td>5x5</td>
</tr>
<tr>
<td>Panel C</td>
<td>Backup Panel</td>
<td>200</td>
<td>2x2</td>
</tr>
</tbody>
</table>

For the above panels, the dimensions are provided in feet. The total square footage is calculated based on the dimensions provided.
### Lighting Controls Schedule

#### LED Bulbs

- **Type:** LED
- **Part No.:** 3000K
- **Watts:** 20 W
- **Volts:** 120 V
- **Color Temperature:** 3000K

#### Lighting Controls Legend Notes:

1. **INTERIOR LIGHTING:** All interior lighting fixtures are to be turned on and off from wall switches or controls. Controls are to be located within 10 ft of the fixture.
2. **INTERIOR LAMPS:** All interior lamps are to be turned on and off from wall switches or controls. Controls are to be located within 10 ft of the lamp.

#### Lighting Controls Special Notices:

- All lighting controls are to be located and installed in accordance with local codes and standards.
- All lighting controls are to be operable from either a wall switch or a remote control device.
- Lighting controls are to be located within 10 ft of the fixture or lamp being controlled.

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#### Notes:

- **NOTES:**
- **E-611**
- **ELECTRICAL LIGHTING SCHEDULE**
- **SCHEDULE**
- **LIGHTING CONTROLS LEGEND NOTES**
- **LIGHTING CONTROLS SPECIAL NOTES**
- **LIGHTING CONTROLS DESIGN NOTE:**
- **PROVIDE LIGHTING CONTROL PANELS AS INDICATED ON PLAN FOR ZONES INDICATED IN THIS SCHEDULE AS HAVING "TIME SCHEDULE" CONTROL. PROVIDE DISTRIBUTED LIGHTING CONTROL RELAYS / POWER PACKS FOR ALL OTHER ZONES.
1. REFERENCE EXISTING BUILDING DRAWINGS FOR MORE INFORMATION.
2. EXISTING GAS PRESSURE REGULATOR. VERIFY EXISTING REGULATOR IS SIZED TO HANDLE NEW GAS DEMAND. REPLACE AND UPSIZE AS REQUIRED.
3. EXISTING GREASE TRAP TO REMAIN IF THE SIZE IS APPROPRIATE, AND IN GOOD CONDITION, OTHERWISE, PROVIDE AND INSTALL NEW GREASE TRAP. REFER TO SHEET P-601 FOR NEW GREASE TRAP SCHEDULE.
4. PROVIDE AND INSTALL NEW SAMPLE WELL IF ONE DOESN'T ALREADY EXIST.

A. REFER TO P1.00 - PLUMBING GENERAL NOTES & SPECIFICATIONS FOR MORE INFORMATION.
B. REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONAL INFORMATION.
C. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EQUIPMENT AND COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR.

SPECIAL NOTE
PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, INVERT ELEVATIONS, AND MATERIAL COMPATIBILITY OF UTILITIES PRIOR TO MAKING FINAL CONNECTIONS. VERIFY EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING IN FIELD. CONTRACTOR SHALL BRING ANY ISSUES REGARDING CONSTRUCTABILITY OF THESE DRAWINGS TO THE ATTENTION OF THE OWNER PRIOR TO CONSTRUCTION.
PLUMBING DEMOLITION PLAN - AREA B

GENERAL NOTES

A. ISSUED FOR PROPOSAL: 05/19/2020

B. REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONAL INFORMATION.

C. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO START OF WORK.

D. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

E. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

F. STANDARDS FOR CONSTRUCTION SHALL BE REPLACED WITH MATERIALS WHICH MATCH THE EXISTING FINISHED MATERIALS WHICH ARE TO REMAIN AND ARE DAMAGED DURING DEMOLITION.

G. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

H. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

I. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

J. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

K. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

L. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

M. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

N. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

O. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

P. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

Q. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

R. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

S. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

T. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

U. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

V. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

W. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

X. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

Y. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

Z. VERIFY EXACT LOCATION OF ALL EXISTING AND NEW PIPING IN FIELD PRIOR TO CONSTRUCTION.

DEMOLITION NOTES BY SYMBOL '     '

1. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

2. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

3. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

4. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

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11. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

12. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

13. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

14. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

15. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

16. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

17. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

18. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

19. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

20. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

21. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

22. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

23. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

24. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

25. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

26. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

27. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

28. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

29. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

30. ITEMS TO BE REMOVED/RELOCATED ARE INDICATED WITH DASHED LINES.

SPECIAL NOTE

ALSO APPLICABLE TO WATER CONNECTION PIPING & FAUCET ASSEMBLIES

MILAM COUNTY ANNEX
Milam County Offices

PLUMBING DEMOLITION PLAN - AREA B
GENERAL NOTES

1. Verify correct location of all drain and riser pipes as per the architectural plans.
2. Verify correct location of all drain and riser pipes as per the architectural plans.
3. Verify correct location of all drain and riser pipes as per the architectural plans.
4. Verify correct location of all drain and riser pipes as per the architectural plans.
5. Verify correct location of all drain and riser pipes as per the architectural plans.
6. Verify correct location of all drain and riser pipes as per the architectural plans.
7. Verify correct location of all drain and riser pipes as per the architectural plans.
8. Verify correct location of all drain and riser pipes as per the architectural plans.
9. Verify correct location of all drain and riser pipes as per the architectural plans.
10. Verify correct location of all drain and riser pipes as per the architectural plans.

NOTES BY SYMBOL 'o'

1. All plumbing work and fixtures shall be in accordance with the plans and specifications.
2. All plumbing work and fixtures shall be in accordance with the plans and specifications.
3. All plumbing work and fixtures shall be in accordance with the plans and specifications.
4. All plumbing work and fixtures shall be in accordance with the plans and specifications.
5. All plumbing work and fixtures shall be in accordance with the plans and specifications.
6. All plumbing work and fixtures shall be in accordance with the plans and specifications.
7. All plumbing work and fixtures shall be in accordance with the plans and specifications.
8. All plumbing work and fixtures shall be in accordance with the plans and specifications.

ARCHITECTS FOR MILAM COUNTY ANNEX

Milam County Offices

Architects

May 19, 2020

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1. EXISTING GAS PIPING TO REMAIN. REFER TO EXISTING BUILDING DRAWINGS FOR MORE INFORMATION. CONTRACTOR TO FIELD VERIFY SIZE, LOCATION, AND CONDITIONS OF EQUIPMENT AND PIPING.

2. EXISTING GAS PIPING ROUTED OUTSIDE OF BUILDING WALL DOWN TO GROUND LEVEL. REFER TO SHEET P-112 FOR CONTINUATION. CONTRACTOR TO FIELD VERIFY SIZE, LOCATION AND CONDITIONS OF EQUIPMENT AND PIPING.

A. REFER TO P0.01 - PLUMBING GENERAL NOTES FOR MORE INFORMATION.

B. VERIFY EXACT LOCATION OF ALL EXISTING PIPING IN FIELD.

C. REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONAL INFORMATION.

D. COORDINATE WORK SO THAT INTERFERENCES BETWEEN PIPING, DUCTWORK, EQUIPMENT, PLUMBING WORK, ELECTRICAL WORK, AND BUILDING STRUCTURE WILL BE AVOIDED.

E. REFERENCE PLUMBING RISER DIAGRAMS AND PLUMBING FIXTURE CONNECTION SCHEDULE FOR PIPE SIZES NOT SHOWN ON PLANS.

F. ALL PENETRATIONS OF FIRE-RATED WALLS AND SLABS SHALL BE FIRE STOPPED TO COMPLY WITH THE RATING OF THE CONSTRUCTION BEING PENETRATED. REFER TO ARCHITECTURAL DOCUMENTS FOR RATINGS.

G. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EQUIPMENT AND COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR.

H. CONTRACTOR SHALL PAINT ALL PIPING, HANGERS, AND ASSOCIATED VALES & DEVICES VISIBLE FROM BELOW CEILING LEVEL. COORDINATE WITH ARCHITECT FOR EXACT FINISH COLOR AND REQUIREMENTS.

SPECIAL NOTE:

ALL ROOF WORK AND/OR ALTERATIONS TO BE PERFORMED BY THE ORIGINAL OR AUTHORIZED ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY.

ALTERNATE NO. 4: REPLACE EXISTING ROOF MOUNTED OUTDOOR AIR HANDLING UNIT

· DEMOLISH AND CAP EXISTING CONNECTION TO EXISTING RTU. EXISTING REGULATOR TO BE DEMOLISHED UNLESS IT'S THE APPROPRIATE SIZE FOR ALTERNATE RTU.

· RECONNECT NEW GAS PIPING AND REGULATOR TO ALTERNATE RTU FROM CAPPED PIPE.
## Plumbing Sketch

### Equipment Plumbing Connection Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Description</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Service Sink</td>
<td>1/2</td>
<td>3</td>
</tr>
<tr>
<td>0.2</td>
<td>iscal Valve</td>
<td>1/2</td>
<td>1.5</td>
</tr>
<tr>
<td>0.3</td>
<td>Gas Range</td>
<td>1/2</td>
<td>1</td>
</tr>
<tr>
<td>0.4</td>
<td>Pot Filler</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>0.5</td>
<td>Hot Water Heater</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>0.6</td>
<td>Cold Water Heater</td>
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<td>1.10</td>
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<td>0.7</td>
<td>Wohl Dry Table Sink</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>0.8</td>
<td>French Closet</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>0.9</td>
<td>COMPRESSOR</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>1.0</td>
<td>DRAIN WHEEL</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>1.1</td>
<td>DRAIN TURBINE</td>
<td>1/2</td>
<td>1.10</td>
</tr>
<tr>
<td>1.2</td>
<td>Steam Pot</td>
<td>1/2</td>
<td>1.10</td>
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</table>

### HOT Water Circulation Pump Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Location</th>
<th>Type</th>
<th>Electric Requirements</th>
<th>Pressure</th>
<th>Flow</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Hot Water</td>
<td>1/2</td>
<td>44 K.Watts</td>
<td>145/230</td>
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<td>3</td>
<td>EFW</td>
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</tbody>
</table>

### Sanitary Sewer Calculation

<table>
<thead>
<tr>
<th>Tag</th>
<th>Pressure</th>
<th>Flow</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>145/230</td>
<td>145/230</td>
<td>145/230</td>
<td>145/230</td>
<td>145/230</td>
</tr>
</tbody>
</table>

### Domestic Water Calculation

<table>
<thead>
<tr>
<th>Tag</th>
<th>Pressure</th>
<th>Flow</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
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</thead>
<tbody>
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<td>0.1</td>
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<td>145/230</td>
<td>145/230</td>
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</table>

### Grease Interceptor Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Location</th>
<th>Type</th>
<th>Material</th>
<th>Diameter</th>
<th>Length</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
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### Gas Calculation

<table>
<thead>
<tr>
<th>Tag</th>
<th>Type</th>
<th>Material</th>
<th>Diameter</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Gas</td>
<td>1/2</td>
<td>1200</td>
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</tr>
</tbody>
</table>

## Electrical Schedule

### Electric Water Heater Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Type</th>
<th>Capacity</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Water Heater</td>
<td>10</td>
<td>120/240</td>
<td>60</td>
<td>A.O. Smith</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Gas Water Heater Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Type</th>
<th>Capacity</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Gas Heater</td>
<td>10</td>
<td>120/240</td>
<td>60</td>
<td>A.O. Smith</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tankless Electric Water Heater Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Type</th>
<th>Capacity</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Make</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Tankless Water Heater</td>
<td>10</td>
<td>120/240</td>
<td>60</td>
<td>A.O. Smith</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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LOCATION OF EXISTING PIPE.

TIE TO EXISTING VTR. CONTRACTOR TO FIELD VERIFY CONDITION, SIZE AND LOCATION OF EXISTING PIPE.

SANITARY RISER KEYED NOTES:

EXISTING VENT PIPING. REFER TO EXISTING BUILDING DRAWINGS FOR CONTINUATION AND MORE INFORMATION.

SANITARY WASTE RISER - SECTION B (SOUTH) (CONT.)

SANITARY WASTE RISER - SECTION B (SOUTH)

SANITARY WASTE RISER - SECTION A (NORTH)
GAS RISER KEYED NOTES:
1. Equipment Location Value, Typical
2. Equipment Location, Connection to Field, and Size and Condition of Existing Equipment

GAS RISER

DOMESTIC WATER RISER - SECTION B (SOUTH)

DOMESTIC WATER RISER - SECTION A (NORTH), PARTIAL SECTION B (SOUTH)