TEXAS A&M UNIVERSITY - CORPUS CHRISTI
CHAPARRAL BUILDING RENOVATIONS
223 NORTH CHAPARRAL STREET
CORPUS CHRISTI, TEXAS 78401

100% CONSTRUCTION DOCUMENTS - AUGUST 04, 2023

TAMU-CC CONTRACT #: 20172914
TAMU-CC PROJECT #: 157191FY21
TRA PROJECT #: 2021-11

PROJECT LOCATION
223 NORTH CHAPARRAL STREET
CORPUS CHRISTI, TEXAS 78401

ASSOCIATE ARCHITECT:
TURNER RAMIREZ ARCHITECTS
3515 S. KAMENA STREET
CORPUS CHRISTI, TEXAS 78401
(361) 994-8900

PROJECT DESIGN TEAM

PROJECT ARCHITECT:
TURNER RAMIREZ ARCHITECTS
3515 S. KAMENA STREET
CORPUS CHRISTI, TEXAS 78401
(361) 994-8900

ASSOCIATE ARCHITECT:
GENSILER
2727 W. HARRISON STREET
CORPUS CHRISTI, TEXAS 78401
(361) 223-8688

MEP ENGINEER:
NRG ENGINEERING
3010 S. STARFLEET STREET SUITE 320
CORPUS CHRISTI, TEXAS 78401
(361) 455-2227

CIVIL ENGINEER:
YORK ENGINEERING
CORPUS CHRISTI, TEXAS
(361) 445-9400

STRUCTURAL ENGINEER:
REM ENGINEERING
2416 RIO GRANDE ROAD
SAN ANTONIO, TEXAS 78213
(210) 229-1159

PROJECT ISSUE DATE:
10/31/2016

FINISH SCHEDULE:

COVER

www.trarch.com

ALTERNATES

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<th>No.</th>
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1. THIS PROJECT IS SUBJECT TO THE REVISIONS AND LIGHTS OF THE ARCHITECT, ENGINEER, OWNER, GENERAL CONTRACTOR AND LOCAL JURISDICTIONS.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER INJECTION AND RESINING OF EXISTING PIPES AND CONDUITS IN ACCORDANCE WITH ALL GOVERNING JURISDICTIONS AND TRADE ORGANIZATIONS.

3. THE CONTRACTOR IS ADVISED THAT PROVIDE PLASTIC LAMINATE ON ALL EXPOSED SURFACES AND EDGES OF CASEWORK, AS REQUIRED

4. PROVIDE EXTERIOR SHEATHING, ETC. TO PROVIDE COMPLETE AIR AND VAPOR BARRIER ACROSS ENTIRE ASSEMBLIES. DO NOT SUMP OVERFLOW DRAINS.

5. PROVIDE CONTROL JOINTS AS SHOWN AND AT ALL HEADS OF WINDOWS AND DOOR FRAMES, AS SHOWN.

6. PROVIDE PIPE SPROUTS TO PROVIDE SECURITY MOUNTING CONDITION. ANY BLOCKING LESS THAN TWO INCHES THICK (NOMINAL) SHALL BE INSULATED TO PROVIDE SECURE AND SOLID MOUNTING CONDITION. ANY BLOCKING LESS THAN TWO INCHES THICK (NOMINAL) SHALL BE INSULATED TO PROVIDE SECURE AND SOLID MOUNTING CONDITION.

7. GENERAL NOTES - INTERIOR ELEVATIONS

8. GENERAL NOTES - FLOOR PLAN

9. GENERAL NOTES - RCP

10. PROVIDE PIPE SPROUTS TO PROVIDE SECURITY MOUNTING CONDITION. ANY BLOCKING LESS THAN TWO INCHES THICK (NOMINAL) SHALL BE INSULATED TO PROVIDE SECURE AND SOLID MOUNTING CONDITION.

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**FLOOR/CEILING (EXISTING)**

- **ONE-HOUR RATED**
- **ANTICIPATED FUTURE**

**COLONIAL BUILDING REVISIONS**

- **TPD**
- **16 OCC. N**
- **1,265 SF B**
- **6"**
- **DOOR # 47**
- **300**

**FUTURE SHELL SPACE**

- **ASSEMBLY** - EXHIBIT GALLERY AND MUSEUM (IBC)
- **GRAPHIC CONVENTIONS**

**EXIT STAIR**

- **ELEV 1**
- **ELEV 2**

**LIFE SAFETY LEGEND**

- **EXIT (DIRECT EGRESS AND MUSEUM)***
- **EXIT - ASSEMBLY (GALLERY)***
- **30SF**
- **STORAGE (SHELL)***
- **588 300 SQFT/OCCUPANT***
- **STORAGE (GREATER THAN 100sf)***

**ASSEMBLY (30SF)**

- **718 SF**
- **70'**
- **100**
- **15 N**
- **28 OCC.***

**BUSINESS AREAS - GENERAL (IBC)**

- **78'**
- **49' = 9"**
- **558 SF**
- **15 OCC.**
- **DOOR # 39**
- **34"**

**MECHANICAL EQUIPMENT AREAS (IBC)**

- **2-HR AREA SEPARATION WALL TO DECK (1.5 HR DRS)**
- **CLASS K (KITCHENS) - TRAVEL DISTANCE = 30'***
- **TRAVEL WITH TRAVEL DISTANCE (NUMBER OF OCCUPANTS USING EXIT)**
- **NO SPRINKLER = 0.20***
- **SPRINKLER = 0.15***

**ROOM AREA**

- **72" WIDE IS 68" CLR. AND 340 PERSONS***
- **COMMON PATH**
- **COMMON PATH DISTANCE**
- **ROOM AREA**
- **CLEAR WIDTH CODE DOOR TAG**

**AREA AND OCCUPANCY CALCULATIONS**

- **EXIT STAIR**
- **CLEAR WITH CODE DOOR TAG**
- **OCCUPANT LOAD CALCULATIONS**
- **EXIT CAPACITY**
- **ROOM AREA**
- **CLEAR WITH CODE DOOR TAG**

**SQUARE FOOTAGE**

- **TOTAL SQUARE FOOTAGE**
- **13,986 SF**
- **REVIEWED**
- **0.XX"**

**OCCUPANCY TAGS**

- **BUSINESS**
- **MECH MECHANICAL 300SF**
- **AREA AND OCCUPANCY CALCULATIONS**
- **OCCUPANT LOAD**
- **OCCUPANT LOAD**
- **OCCUPANT LOAD**

**CLEAR WITH CODE DOOR TAG**

- **2 STAIR EGRESS WIDTH REQUIRED**
- **COMMON PATH DISTANCE**
- **ROOM AREA**
- **CLEAR WITH CODE DOOR TAG**
- **OCCUPANT LOAD**
- **OCCUPANT LOAD**

**CODE SYMBOLS & GRAPHIC CONVENTIONS**

- **RISER ROOM**
- **58'**
- **0.15**
- **ASSEMBLY - EXHIBIT GALLERY AND MUSEUM (IBC)**
- **CLASS ABC (TYPICAL) - TRAVEL DISTANCE = 75'***
- **STAIR EGRESS WIDTH PROVIDED**

**ASSOCIATE ARCHITECT:**

- **www.trarch.com**
- **8/4/2023 12:50:42 PM**
- **PHASE:**
- **3751 S. ALAMEDA ST.**

**SCALE:**

- **1/8" = 1'-0"**
- **3/64" = 1'-0"**

**DATE:**

- **08/04/2023**

**SIGNATURES:**

- **CHECKED BY:**
- **TRUE**
- **DRAWN BY:**
- **ASSOCIATE ARCHITECT:**
- **CONTRACT #:20172914 PROJECT #:157191FY21"
LIFE SAFETY LEGEND

- OFFICE AREA (B)
- OFFICE AREA (O)
- MECHANICAL EQUIPMENT ROOM (M)
- MECHANICAL EQUIPMENT ROOM (S)
- OFFICE AREA (M)
- MECHANICAL EQUIPMENT ROOM (A)

TOTAL SQUARE FOOTAGE: 10,489 SF

OCCUPANCY TAGS

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<th>ROOM CLASSIFICATION AREA/OCC</th>
<th>O.C.</th>
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<td>227</td>
<td>100 SQFT/OCCUPANT</td>
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AREA AND OCCUPANCY CALCULATIONS

- EXIT CALCULATIONS
  - EXIT ACCESS TRAVEL DISTANCE
  - EXIT ACCESS TRAVEL DISTANCE
  - EXIT ACCESS TRAVEL DISTANCE
  - EXIT ACCESS TRAVEL DISTANCE

- CLEAR WITH CODE DOOR TAG
  - OCCUPANT LOAD (MAX. OCCUPANT LOAD)
  - OCCUPANT LOAD (MAX. OCCUPANT LOAD)
  - OCCUPANT LOAD (MAX. OCCUPANT LOAD)
  - OCCUPANT LOAD (MAX. OCCUPANT LOAD)

- SMOKE-RATED WALL TO DECK
  - STARTING POINT OF TRAVEL AND PATH OF EGRESS
  - PATH OF EGRESS
  - PATH OF EGRESS
  - PATH OF EGRESS

- CODE SYMBOLS & GRAPHIC CONVENTIONS
  - TRUE SCALE OF DRAWING
  - TRUE SCALE OF DRAWING
  - TRUE SCALE OF DRAWING
  - TRUE SCALE OF DRAWING

- PROJECT ISSUE DATE: 08/04/2023
- CONTRACT #: 20172914
- PROJECT #: 157191
- FY21
1. DEMOLISH EXISTING WALL
2. REPAIR EXISTING CONCRETE WALL
3. REPAIR EXISTING WALL
4. DEMO EXISTING MILLWORK COMPLETE
5. DEMO EXISTING STEEL ELEMENTS COMPLETE
6. Roofing; prepare for new roofing system
7. concrete infill at existing roof deck; refer to new construction for new
8. REMOVAL OF EXISTING PARTITION TO ALLOW FOR EXISTING DOOR RELOCATION
9. EXISTING CONCRETE FLOOR TO REMAIN; PREPARE FOR NEW CONSTRUCTION
10. EXISTING EXTERIOR WALL TO REMAIN
11. EXISTING EXTERIOR WINDOW TO REMAIN
12. FACE OF EXISTING ADJACENT BUILDING
13. DEMO EXISTING PLUMBING FIXTURES; REFER TO PLUMBING DRAWINGS
14. AREAS REQUIRING ABATEMENT, REFER TO ASBESTOS SURVEY FOR EXACT AREAS.
15. ASBESTOS DEMOLITION NOTES - MEZZANINE
16. DEMOLITION FLOOR PLAN
17. DEMOLITION FLOOR PLAN KEYNOTES
18. GENERAL NOTES - DEMOLITION
19. SCALE: 1/8" = 1'-0"
20. REMOVE PORTION OF EXISTING PARTITION TO ALLOW FOR EXISTING DOOR RELOCATION
21. AD1.1A
22. TEXAS A&M UNIVERSITY - CORPUS CHRISTI
23. CHAPARRAL BUILDING RENOVATIONS
24. CONTRACT # 07-0284
25. PROJECT # 07-PFF 21
26. 100% CONSTRUCTION DOCUMENTS
27. 12/17/2015
28. 10/31/2016
29. 8/4/2023 12:55:57 PM
30. 12/17/2015
31. 10/31/2016
NOTE: FOR REFERENCE ONLY. ALL GENERAL CONTRACTORS BIDDING ARE REQUIRED TO WALK FACILITY.

DEMO COMPLETELY DEMOLISH AND REMOVE EXISTING OVERLAPPING CEILING TYPES. REFER TO IMAGE A FOR CORRESPONDING CONDUIT, WIRING, AND SWITCHES.

DEMO COMPLETELY DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, SHEET IDENTIFICATION NECESSARY TO ACCOMMODATE NEW MEP SYSTEM DESIGN.

DEMO ALL EXISTING GYPSUM CEILING, CEILING GRID, TILES AND CEILING GRID LEVELS INDICATED RE: ELECTRICAL PLAN.

DEMO DEMOLISH AND REMOVE ALL EXISTING EXIT LIGHT FIXTURES AND SHEET IDENTIFICATION NECESSARY TO ACCOMMODATE NEW MEP SYSTEM DESIGN.

DEMO DEMOLISH AND REMOVE ALL EXISTING TRACK / LIGHT SYSTEM AND SHEET IDENTIFICATION NECESSARY TO ACCOMMODATE NEW MEP SYSTEM DESIGN.

DEMO DEMOLISH AND REMOVE EXISTING SOFIT. REPAIR AND PREP FOR CORRESPONDING CONDUIT, WIRING, AND SWITCHES RE: ELECTRICAL PLAN.

DEMO DEMOLISH AND REMOVE EXISTING GYPSUM CEILINGS ONLY WHERE LEVEL 1 RCP DEMO IS INDICATED.

DEMO DEMOLISH AND REMOVE EXISTING GYPSUM CEILING TO REMAIN LEVEL 1 RCP DEMO.

DEMO DEMOLISH AND REMOVE ALL EXISTING LIGHT FIXTURES AND SHEET IDENTIFICATION NECESSARY TO ACCOMMODATE NEW MEP SYSTEM DESIGN.

DEMO DEMOLISH AND REMOVE ALL EXISTING TRACK / LIGHT SYSTEM AND SHEET IDENTIFICATION NECESSARY TO ACCOMMODATE NEW MEP SYSTEM DESIGN.

DEMO DEMOLISH AND REMOVE EXISTING SOFIT. REPAIR AND PREP FOR CORRESPONDING CONDUIT, WIRING, AND SWITCHES RE: ELECTRICAL PLAN.
NORTH LEVEL 2 RCP DEMO

GENERAL NOTE - RCP DEMOLITION

1. ALL EXISTING LIGHT FIXTURES AND CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

2. ALL EXISTING GYPSUM CEILING, CEILING GRID, TILES AND CEILING CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

3. COMPLETELY DEMOLISH AND REMOVE EXISTING OVERLAPPING GYPSUM CEILING TO REMAIN

4. COMPLETELY DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, PHASE:

5. COMPLETELY DEMOLISH AND REMOVE ALL EXISTING LIGHT FIXTURES AND TURNER | RAMIREZ ARCHITECTS

6. DEMOLISH AND REMOVE ALL EXISTING CEILING RACEWAY ELECTRICAL

7. DEMOLISH AND REMOVE ALL EXISTING LIGHT FIXTURES AND CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

8. DEMOLISH AND REMOVE EXISTING GYP CEILINGS ONLY WHERE FLOOR LEVELS INDICATED

9. DEMOLISH AND REMOVE EXISTING CEILING HANGERS TO BE COMPLETELY DEMOLISHED AND REMOVED ON

12/17/2015
10/31/2016
8/4/2023 12:56:17 PM
2021-11
1 COMPLETELY DEMOLISH AND REMOVE EXISTING OVERLAPPING CEILING GRID, CEILING HANGERS.

2 DEMOLISH AND REMOVE ALL EXISTING LIGHT FIXTURES AND CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

3 DEMOLISH AND REMOVE EXISTING SOFIT. REPAIR AND PREP FOR CEILING PLAN - LEVEL 03

4 DEMOLISH AND REMOVE ALL EXISTING TRACK / LIGHT SYSTEM AND CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

5 COMPLETELY DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, CEILING GRID, TILES AND CEILING HANGERS.

6 DEMOLISH AND REMOVE EXISTING GYPSUM CEILING ONLY WHERE

7 DEMOLISH AND REMOVE ALL EXISTING TRACK / LIGHT SYSTEM AND CORRESPONDING CONDUIT, WIRING, AND SWITCHES. RE:

8 DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, CEILING GRID, TILES AND CEILING HANGERS.

9 DEMOLISH AND REMOVE EXISTING CEILING RACEWAY ASSOCIATE ARCHITECT:
DEMO
LEVEL 4 RCP DEMO
SCALE 1" = 1'-0"

10/31/2016

5

223 N. CHAPARRAL STREET
CORPUS CHRISTI, TEXAS 78411

8 DEMOLISH AND REMOVE EXISTING GYPSUM CEILINGS ONLY WHERE
NORTH

7 DEMOLISH AND REMOVE ALL EXISTING EXIT LIGHT FIXTURES AND

6 DEMOLISH AND REMOVE ALL EXISTING TRACK / LIGHT SYSTEM AND

5 DEMOLISH AND REMOVE ALL EXISTING CEILING RACEWAY

4 DEMOLISH AND REMOVE ALL EXISTING CEILING HANGERS.

3 DEMOLISH AND REMOVE EXISTING CEILING RACEWAY

2 DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, CEILING GRID,

1 DEMOLISH AND REMOVE EXISTING GYPSUM CEILING, CEILING GRID,
1. **Complete Demolition and Removal of Existing Gypsum Ceiling, Ceiling Grid, Tiles, and Ceiling Hangers.**

2. **Demolish and Remove All Existing Exit Light Fixtures and Corresponding Conduit, Wiring, and Switches.**

3. **Demolish and Remove Existing Sofit. Repair and Prep for Electrical.**

4. **Demolish and Remove All Existing Track / Light System and Corresponding Conduit, Wiring, and Switches.**

5. **Complete Demolition and Removal of Overlapping Project Issues.**

6. **Demolish and Remove Existing Gyproc Ceilings Only Where Necessary to Accommodate New MEP System Design.**

7. **Demolish and Remove All Existing Exit Light Fixtures and Corresponding Conduit, Wiring, and Switches.**

8. **Demolish and Remove Existing Gyproc Ceilings Only Where Necessary to Accommodate New MEP System Design.**

**General Note - RCP Demolition:**

- 1/8" = 1'-0"
- 12/17/2015
- 10/31/2016

**Sheet Identification:**

- **Date:** 08/04/2023
- **Author:** 2021-11
- **Turner | Ramirez Architects**

**Location:**

- **Texas A&M University - Corpus Christi:**
- **Chaparral Building Renovations:**
- **223 N. Chaparral Street, Corpus Christi, Texas 78411**
- **Contract #: 20172914**
- **Project #: 157191FY21**
- **Phase:**

**Checked by:**

- **AD2.5**
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**GENERAL NOTES**

**SHEET IDENTIFICATION**

- **PROJECT NUMBER:**
- **CHECKED BY:**
- **DRAWN BY:**
- **PHASE:**
- **PROJECT ISSUE DATE:**
- **REV.:**

**TURNER | RAMIREZ ARCHITECTS**

3751 S. ALAMEDA ST.  
CORPUS CHRISTI, TX 78411  
p (361)994-8900  
www.trarch.com

**SEAL**

**KEY PLAN**

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MICHAEL C. YORK  
124938

**PACKAGE 1**

**223 N. CHAPARRAL STREET**  
CORPUS CHRISTI, TEXAS 78411  
TEXAS A&M UNIVERSITY - CORPUS CHRISTI  
CHAPARRAL BUILDING RENOVATIONS  
CONTRACT #:20172914  
PROJECT #:RFQ1-0001  
100% CD  
05/26/2023
TRENCH BACKFILL FOR WASTEWATER LINES AND PAVEMENT REPAIR FOR UTILITIES

GENERAL WASTEWATER CONSTRUCTION NOTES:

TYPICAL CAST IRON CLEAN-OUT BOOT

SECTION B-B

PLAN

SECTION A-A

CLEAN-OUT BOOT

UNPAVED AREAS

PAVED AREAS

C.401

UTILITY DETAILS

SHEET IDENTIFICATION

PROJECT NUMBER: CHECKED BY:

DRAWN BY:

PHASE:

PROJECT ISSUE DATE:

REV.

DESCRIPTION

DATE

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KEY PLAN

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MICHAEL C. YORK

124938

PACKAGE 1

223 N. CHAPARRAL STREET

CORPUS CHRISTI, TEXAS 78411

TEXAS A&M UNIVERSITY - CORPUS CHRISTI

CHAPARRAL BUILDING RENOVATIONS

CONTRACT #:20172914

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100% CD

05/26/2023

TEXAS A&M UNIVERSITY - CORPUS CHRISTI

CHAPARRAL BUILDING RENOVATIONS

CONTRACT #:20172914

PROJECT #:RFQ1-0001

100% CD

05/26/2023
GENERAL CONTRACTOR shall check and verify all dimensions, elevations and existing conditions. The structure has been designed to resist design loads only as a completed structure. During construction and after permanent connections are made, the General Contractor shall coordinate with the Structural Engineer AND all corrections made by the Contractor. It is the Contractor's responsibility to ensure that all corrections have been made.

SD-1  Live loads:
B. ASCE 7-10
C. ACI 318-14
D. AISC Fourteenth Edition 2011

SD-2  Applicable codes:
B. ASCE 7-10
C. ACI 318-14
D. AISC Fourteenth Edition 2011

SD-3  Seismic Design Category            A

SDI Standards and shall have the following properties:
Fy  =  60 K.S.I.
Fy2  =  40 K.S.I.

TLD-1 The use of reproductions of these contract drawings by any contractor, subcontractor, lender, estimator, or material supplier in lieu of preparation of shop drawings required by the Structural Engineer obligates himself to any job expense, real or implied, arising due to any errors that may occur hereon.

TLD-2 Contractor must not verify dimensions and elevations of existing utilities.

SD-1  All structural steel shall be ASTM Specification A36 except wide flange shapes shall conform to ASTM Specification A941. Structural steel details shall conform to the standards of ASME B36.10. Structural steel details shall outline the standards of ASME. Bolting of structural steel members shall be permitted. Any member having a sharp edge shown and delineated in the construction drawings is required to be not less than 0.020" thick unless under special framing laps.

T-1  General Contractor shall coordinate with the Structural Engineer on proposed re-roof materials. The installation method to be used must be clearly shown on the shop drawings. The installation method must have accompanying TDI approved documentation. The Test Lab must have a minimum of B280 and 

SD-1  All structural steel shall be ASTM Specification A36 except the structural steel shall be 3/8" thick as shown.

ST-1  All structural steel shall conform to ASTM Specifications A36 except wide flange shapes shall conform to ASTM Specification A941. Structural steel details shall outline the standards of ASME B36.10. Structural steel details shall conform to the standards of ASME. Bolting of structural steel members shall be permitted. Any member having a sharp edge shown and delineated in the construction drawings is required to be not less than 0.020" thick unless under special framing laps.

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18. PATCH EXISTING ELEVATOR PERIMETER WALLS AND PROVIDE NEW PLASTER FINISH AT 100% CONSTRUCTION DOCUMENTS.

21. NEW FIRE EXTINGUISHER.

22. 509.

23. SHELL SPACE WITH MINIMAL ARCHITECTURAL SCOPE.

FUTURE STAIRCASE - FOR REFERENCE ONLY (N.I.C.)

14. FURNITURE; NOT IN SCOPE

20. NEW ADA ACTUATOR MOUNTED 48" TO TOP OF DEVICE; REFER TO ELECTRICAL TUNER | RAMIREZ ARCHITECTS

9. NEW ELECTRICAL STUB-OUTS FROM UNDER SLAB TO SECOND FLOOR; REFER TO WINDOW

15. DRINKING FOUNTAIN; REFER TO PLUMBING DRAWINGS

17. A5.200
EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

NEW EXTERIOR DOOR, FRAME AND ASSOCIATED HARDWARE

EXISTING OVERHEAD COILING DOOR TO REMAIN

NEW EXTERIOR ALUMINUM WINDOW SYSTEM

EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

NEW EXTERIOR WALL INFILL CONSISTING OF 8" CMU WALL AND EXTERIOR WALL TILE TO MATCH EXISTING ADJACENT

NEW SHEET METAL PARAPET CAP; REFER TO ROOF PLAN

NEW SHEET METAL PARAPET CAP; REFER TO ROOF PLAN

EXISTING BUILDING SIGNAGE TO REMAIN

NEW OVERFLOW SCUPPER

NEW OVERFLOW SCUPPER

NEW SHEET METAL FASCIA TRIM

NEW SHEET METAL FASCIA TRIM

NEW SHEET METAL PARAPET CAP; REFER TO ROOF PLAN

NEW SHEET METAL PARAPET CAP; REFER TO ROOF PLAN

NEW OVERFLOW SCUPPER

NEW OVERFLOW SCUPPER

NEW SHEET METAL FASCIA TRIM

NEW SHEET METAL FASCIA TRIM

EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

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EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM

EXISTING WINDOW SYSTEM TO REMAIN; RE-CAULK WINDOW SYSTEM
NOTE: USE THIS DETAIL TO MOUNT HANDRAILS.

LOW WALL TO 42; HANDRAILS BOTH SIDES.

RETURN TO WALL/RAIL UNLESS OTHERWISE NOTED.

HANDRAILS BOTH SIDES IN STAIRS; PAINT AND FINISH.

MATCH EXISTING TYPICAL AT WALL - ELEVATION.

MATCH EXISTING HANDRAILS.

HANDRAILS MOUNTED BOTH SIDES.

LEVEL 1 - STAIR 1 NEW.

LEVEL 1 - STAIR 2 NEW.

LEVEL 2 - STAIR 1 NEW.

LEVEL 2 - STAIR 2 NEW.

LEVEL 2 - STAIR 3 NEW.

LEVEL 3 - STAIR 1 NEW.

LEVEL 3 - STAIR 2 NEW.

LEVEL 3 - STAIR 3 NEW.

LEVEL 4 - STAIR 1 NEW.

LEVEL 4 - STAIR 2 NEW.

LEVEL 4 - STAIR 3 NEW.

LEVEL 5 - STAIR 1 NEW.

LEVEL 5 - STAIR 2 NEW.

LEVEL 5 - STAIR 3 NEW.

LEVEL 5 - STAIR 4 NEW.

MEZZ - STAIR 1 NEW.

MEZZ - STAIR 1 NEW.

HANDRAIL TYPICAL AT WALL - ELEVATION.

WALL MOUNTED HANDRAIL.

HANDRAILS BOTH SIDES.

LEVEL 1 - STAIR 1 NEW.

LEVEL 1 - STAIR 2 NEW.

LEVEL 1 - STAIR 3 NEW.

LEVEL 2 - STAIR 1 NEW.

LEVEL 2 - STAIR 2 NEW.

LEVEL 2 - STAIR 3 NEW.

LEVEL 3 - STAIR 1 NEW.

LEVEL 3 - STAIR 2 NEW.

LEVEL 3 - STAIR 3 NEW.

LEVEL 4 - STAIR 1 NEW.

LEVEL 4 - STAIR 2 NEW.

LEVEL 4 - STAIR 3 NEW.
### GENERAL NOTES - DOORS & WINDOW

1. Install Tempered or Safety Glass in Openings Where Required.
2. Store Doors Slightly In Contact with Head of Frame.
3. Tempered Glazing shall be placed against the head of the window frame.
4. Space Anchors of Door and Window Frames shall not be more than 1".
5. Install One Window and Two Doors for Architectural Inspection Before Processing.
7. All Interior Glazing Not Scheduled on Notes Otherwise Shall Be of Glass. All Exterior Architectural Glazing Otherwise Shall Be Certified Glass.
8. All Interior Hollow Metal Glazing Systems Shall Have Glass and Glazing Stop On Half Way or More "Flap" Side of Frame.
9. Provide Architectural Glazing in All Doorways That Are Located in Same Wall Type 10.

### DOOR SCHEDULE

<table>
<thead>
<tr>
<th>Item</th>
<th>Location</th>
<th>Size</th>
<th>Material</th>
<th>Glazing Type</th>
<th>Notes</th>
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<tr>
<td>603</td>
<td>3'-0&quot; x 7'-0&quot;</td>
<td>HM</td>
<td>A</td>
<td>90 MIN. 205IR</td>
<td>12/17/2015 - 10/31/2016</td>
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<tr>
<td>133A</td>
<td>GALLERY</td>
<td>3'-0&quot; x 8'-0&quot;</td>
<td>ALUM-2</td>
<td>2 G1</td>
<td>10/31/2016</td>
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<tr>
<td>400A</td>
<td>CORRIDOR</td>
<td>3'-0&quot; x 7'-0&quot;</td>
<td>A</td>
<td>SCW</td>
<td>10/31/2016 - 731R</td>
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<tr>
<td>601</td>
<td>ROOF</td>
<td>3'-0&quot; x 7'-0&quot;</td>
<td>HM</td>
<td>A HM</td>
<td>10/31/2016</td>
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<tr>
<td>431</td>
<td>RECEPTION</td>
<td>3'-0&quot; x 8'-0&quot;</td>
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<td>551ACT</td>
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<tr>
<td>117</td>
<td>STOR.</td>
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<tr>
<td>430</td>
<td>STORAGE</td>
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<tr>
<td>303A</td>
<td>STAIR 1</td>
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<td>SCW</td>
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<td>807</td>
<td>3/A8.300 2/A8.300 1/A8.300</td>
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<td>WOMENS</td>
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<td>342</td>
<td>OPEN SPACE PAIR</td>
<td>6'-0&quot; x 7'-0&quot;</td>
<td>A HM</td>
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<td>SHELL SPACE PAIR</td>
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<td>A HM</td>
<td>A HM</td>
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### DOOR FRAME TYPES

1. Refer to Frame Types for House and Panel Detail Reference.
2. Sound Control Doors: See Spec. Section XX-XX-XX.
4. Glassed Door.
5. Magnetic Hold Open Tied to Fire Alarm System to Automatically Close Upon Closure.
7. Overhead Rolling Door/Grille: (M) = Motorized (C) = Manual Chain (Type GL-4).
8. Smoke Seals Only.

### DOOR PANEL TYPES

- [A link to the complete document]
- [A link to the building plans]
- [A link to the architectural drawings]

**NOTES:**

- [A link to the project specifications]
- [A link to the construction schedule]
- [A link to the project QA/QC methods]

**SPECIFICATION:**

- [A link to the technical specifications]
- [A link to the material specifications]
- [A link to the equipment specifications]
### General Remarks

- All painting to be specified as Type B
- All butting surfaces to be covered with two coats of fire-resistant paint
- Refer to int. elevs. for acoustic panel sizes and colors
- Water-based finishes to be used throughout
- Refer to shop drawings for all millwork and details
- Refer to shop drawings for all millwork and details

### Room Finish Schedule

<table>
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<th>No.</th>
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<th>Base</th>
<th>Color</th>
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<td>FOYER</td>
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<td>RG</td>
<td>PAINTED GYPSUM BOARD</td>
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<td>GYPS</td>
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<td>GYP</td>
<td>GYPS</td>
<td>PAINTED GYPSUM BOARD</td>
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### Materials

- **Painted Gypsum Board**: RG, natural color
- **Painted Gypsum Board**: GYPS, natural color
- **Painted Gypsum Board**: GYPS, natural color
- **Painted Gypsum Board**: GYPS, natural color
- **Painted Gypsum Board**: GYPS, natural color

### Installation Patterns

- **Horizontal Woodgrain**: random monolithic
- **Vertical Woodgrain**: random monolithic

### Manufacturer

- **Wilsonart**: Charcoal 06, typical
- **Moser**: Canyon Oak 11815
- **Emser Tile**: Natural Color

### Specifications

- **Network**: Baffle Ceilings
- **Network**: Acoustic Panels
- **Network**: Lighting Fixtures

### Notes

- To match architects' sample
- Specifications
- Door hardware
**LEVEL 1 SIGNAGE PLAN**

**GENERAL REMARKS**
- BACKGROUND: 030" WILSONART #D25-60 ATLANTIS FACE (PREFERRED LOCATION), BLANK BACK BANEL ON HINGE SIDE OF DOOR
- 1/4" ACRYLIC CORE
- 1/4" STROKE, 1/4" RAISED WAVE, ACRYLIC (MAP) 41312SP BRUSHED ALUMINUM PLATE TYPE "I" AS INDICATED IN SPECIFICATIONS AND SHOWN ON LEGEND.
- 1/32" RAISED ADA TEXT AND SYMBOLS CHEMICALLY WELDED.
- 3M VHB TAPE AND SILICONE
- 1/32" RAISED GRADE 2 BRAILLE.
- 2. 3M VHB TAPE AND SILICONE
- 1. CLEAR WINDOW FOR PAPER INSERT (INSERT PROVIDED BY OWNER).

**LEVEL 1 SIGNAGE SCHEDULE**

<table>
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<th>PLAN NO. ID</th>
<th>ROOM ID</th>
<th>SIGN TYPE</th>
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<th>RAISED MESSAGE</th>
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**SCALE:**
- 1" = 1'-0" (1/8" = 1'-0")

**DATE:** 08/04/2023

**DRAWN BY:**

**CONTRACT #:20172914 PROJECT #:157191FY21**

**PHASE:**
- 100% CONSTRUCTION DOCUMENTS

**SIGN TYPE SPECIFIC REMARKS**
- 1. BACKGROUND: 030" WILSONART #D25-60 ATLANTIS FACE (PREFERRED LOCATION), BLANK BACK BANEL ON HINGE SIDE OF DOOR
- 2. 3M VHB TAPE AND SILICONE
- 1. CLEAR WINDOW FOR PAPER INSERT (INSERT PROVIDED BY OWNER).

**Disclaimer:**
- The information provided is for reference only and may not be up-to-date or complete. Always refer to the latest施工现场 documents for accurate information.
GENERAL NOTE: FOR COORDINATION PURPOSES ONLY. FF&E IS CFOI.
COUNTERTOP & BACKSPLASH AS SPECIFIED.

NOTE: CONTINUE BACKSPLASH WHERE DIRECTED

PLAM ON HARDWOOD CABINET FRAMES

3/4" PLAM PLYWOOD DOORS

3/4" PLAM PLYWOOD ADJ.

SHELF W/ PVC EDGE BANDING, TYP.

1/4" PLAM PLYWOOD BACK ON 1x WOOD NAILERS, (TYP.)

K & V RECESSED STANDARDS & SUPPORTS

F.F.

2X WOOD FRAMING

PLAM 1/4" PLYWOOD BACK ON 1x WOOD NAILERS

WOOD BLOCKING AS REQUIRED

WALL LINE

SEE ELEVATIONS
REMOVE AND DISPOSE OF ALL EXISTING GRILLS, DUCTWORK, AIR HANDLERS AND EXHAUST FANS. PLUMBING AND ELECTRICAL.
MECHANICAL FLOOR PLAN - DEMO

REMOVE AND DISPOSE OF ALL EXISTING GRILLS, DUCTWORK, AIR HANDLER AND EXHAUST FANS.
Mechanical Keynotes:

1. ROUTE EXHAUST DUCT UP TO ROOF EXHAUST FAN. PROVIDE NECESSARY TRANSITIONS AND ADD FIRE DAMPER.
2. PROVIDE AIR SUPPLY AND RETURN AND OUTSIDE AIR DUCT.
3. PROVIDE DUCTS BETWEEN 1ST FLOOR AND RETURN DUCT.
4. ROUTE CONDENSATE DRAIN LINE FULL SIZE TO NEAREST FLOOR DRAIN REFER TO PLUMBING PLAN FOR LOCATIONS.
5. ROUTE 4" CWR TO BATHROOM.
6. ROUTE 4" CW TO BATHROOM.
7. PROVIDE NECESSARY TRANSITIONS AND ADD FIRE DAMPER.
8. PROVIDE 3" CW AND 3" CWR.
9. ROUTE CONDENSATE DRAIN LINE FULL SIZE TO NEAREST FLOOR DRAIN.

EXISTING MECHANICAL EQUIPMENT TO REMAIN.

- MECHANICAL FLOOR PLAN - LEVEL 2
- 08/04/2023 PROJECT #: RFQ1-0001 SMR FJR 100% CONSTRUCTION DOCUMENTS
- 08/04/23
- 223 N. CHAPARRAL STREET CORPUS CHRISTI, TEXAS 78411
- TEXAS A&M UNIVERSITY - CORPUS CHRISTI CHAPARRAL BUILDING RENOVATIONS
- PROJECT #: RFQ1-0001 CONTRACT #: 20172914
- 1/8" = 1'-0" SCALE
1. PROVIDE AN AFMS ON BOTH RETURN AND OUTSIDE AIR DUCT.
2. PROVIDE DUCT SMOKE DETECTOR TO BOTH SUPPLY AND ADD FIRE DAMPER.
3. ROUTE CONDENSATE DRAIN LINE FULL SIZE TO NEAREST FLOOR DRAIN. REFER TO PLUMBING PLAN FOR LOCATIONS.
ROUTE EXHAUST DUCT UP TO ROOF EXHAUST FAN. PROVIDE NECESSARY TRANSITIONS AND ADD FIRE DAMPER.

6" CWR

6" CWS

EF - 1

EF - 2

VFD

EXISTING VFD

EXISTING DDC CONTROL PANEL

PROVIDE FIRE DAMPER.

3/4" CD
Mechanical Keynotes:
1. ROUTE 3" HOT WATER SUPPLY AND RETURN PIPING DOWN TO FLOORS BELOW.
2. PROVIDE STRAINER TO 3" HOT WATER RETURN PIPING UP TO NEAREST FLOOR DRAIN INSERT TO PLUMBING PLAN FOR LOCATIONS.
3. ROUTE 3" HOT WATER SUPPLY PIPING DOWN TO ELEVATOR SHAFT SEE SHEET M2.500 FOR DETAILS.
4. ROUTE 3" HOT WATER RETURN PIPING DOWN TO ELEVATOR SHAFT SEE SHEET M2.500 FOR DETAILS.
5. ROUTE 3" HOT WATER SUPPLY PIPING DOWN TO ELEVATOR SHAFT SEE SHEET M2.500 FOR DETAILS.
6. ROUTE 3" HOT WATER RETURN PIPING DOWN TO ELEVATOR SHAFT SEE SHEET M2.500 FOR DETAILS.
MECHANICAL PIPING FLOOR PLAN – LEVEL 1

Mechanical Keynotes:
1. ROUTE 3/4" CONDENSATE DRAIN LINE FROM FLOOR ABOVE TO FIRST FLOOR MOP SINK.
2. ROUTE 1" CONDENSATE PIPE TO FIRST FLOOR MOP SINK.
3. ROUTE HYDRONIC PIPING FROM FLOOR ABOVE.
ROUTE EXISTING AHU CONDENSATE TO FIRST FLOOR MOPSINK.

4" CWS

1" HWR

3" CWS

PROVIDE 1-1/2" HWS/R TAPS AND VALVES FOR FUTURE BUILDOUT.
MECHANICAL KEYNOTES

EXISTING AHU

ROUTE FULL-SIZE AHU COOLING PIPES TO NEAREST FLOOD DRAIN. SEE PLUMBING PLANS FOR LOCATION.
MECHANICAL PIPING FLOOR PLAN - LEVEL 5

1 ROUTE CONDENSATE DRAIN LINE FULL SIZE TO IDF ROOM A512 FLOOR DRAIN. REFER TO PLUMBING PLAN FOR LOCATIONS.

1/4" = 1'-0"

MINI SPLIT SECTION VIEW

MINI SPLIT VIEW
2. PROVIDE DUAL PATH SPLIT DEHUMIDIFICATION UNIT WITH 4" MERV 13 FLAT FILTER MIXING BOX SECTION, CHILL WATER COIL SECTON, ACCESS SECTION, HOT WATER COIL SECTION, AND FANS

5. DROPPED TITUS 50F RETURN SUPPLY ROOM 38 X 14 36 X 12 AG-15-AA ALU -26 138 X 14 24 X 24 SIZE BLOW

6. PROVIDE CHILLED WATER COILS WITH 2-WAY AUTOMATIC PRESSURE INDEPENDENT CONTROL VALVES.

<table>
<thead>
<tr>
<th>AIR HANDLING UNIT SCHEDULE</th>
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<tbody>
<tr>
<td>GENERAL</td>
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<tr>
<td>FACE VELOCITY (FPM)</td>
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<tr>
<td>MAX PRESSURE DROP (FT HEAD)</td>
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<tr>
<td>MAX PRESSURE DROP (IN. W.C.)</td>
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<tr>
<td>MIN. VELOCITY (FPS)</td>
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<tr>
<td>MAX. VELOCITY (FPM)</td>
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<td>TOTAL AIRFLOW (ACFM)</td>
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<td>DRIVES</td>
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<td>MCA/MOCP</td>
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<td>FOULING FACTOR, (ft²•°F• hr)/BTU</td>
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<td>FOULING FACTOR, (ft²•°F• hr)/BTU</td>
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<thead>
<tr>
<th>ELECTRICAL</th>
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<tbody>
<tr>
<td>MARK MANUF. &amp; MODEL NUMBER</td>
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<tr>
<td>BORDER TYPE</td>
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<tr>
<td>TITUS</td>
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<tr>
<td>OMNI 50 F EXHAUST</td>
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<tr>
<td>TRM RAPID MOUNT FRAME</td>
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| SPECIAL NOTE FOR AHU-4:      |
| DRAW THRU (8/10)/(8/12)      |

12. PROVIDE UV LIGHTS IN FAN SECTION AND IN ALL COOLING COIL SECTIONS.
### Indicators for Lights, Ignition Lockout Alarm, and Separate Pump Power Connection

- **VAV-403**
- **VAV-105**

### Notes
1. Provide 1" Fibre Free liner.
2. All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011.
3. Provide with flanged frame.
4. PROVIDE WITH MANUFACTURERS MOUNTING HARDWARE.
5. PROVIDE WITH PLASTERED FRAME.
6. PROVIDE WITH MACHINED DUCT PANEL RECESSES AND THERMAL BREAKS.
7. PROVIDE WITH IMPACT RESISTANT GLASS.
8. PROVIDE WITH 2 LOUVERS.
9. PROVIDE WITH 3 LOUVERS.
10. PROVIDE WITH 4 LOUVERS.
11. PROVIDE WITH 5 LOUVERS.

### Electric Unit Heater Schedule

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>VAV 403</th>
<th>VAV 105</th>
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<tbody>
<tr>
<td>Size</td>
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### Boiler Schedule

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<th>Boiler Type</th>
<th>Size</th>
<th>Capacity</th>
<th>Efficiency</th>
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### Louver Schedule

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<thead>
<tr>
<th>Louver Type</th>
<th>VAV 403</th>
<th>VAV 105</th>
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**Texan A&M University - Corpus Christi Chaparral Building Renovations**

**Project #: RFQ1-0001 SMR FJR**

**100% Construction Documents**

**8/4/2023 11:12:35 AM**

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**Electric Unit Heater Schedule**

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<tr>
<th>Unit Type</th>
<th>VAV 403</th>
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<tr>
<td>Size</td>
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** Boiler Schedule**

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1. PROVIDE COMPRESSOR WITH 5 YEAR WARRANTY.
2. TANK SHALL BE ASME RATED.
3. INSTALL THE UNIT AS PER THE MANUFACTURER'S INSTRUCTIONS.
4. PUMP SHALL BE INTERNALLY FLUSHED MECHANICAL SEAL AND TEFC MOTOR. INSULATE PUMP FOR EXTERIOR INSTALLATION.
5. PROVIDE SECONDARY DRAIN PAN WITH EMERGENCY FLOAT SWITCH. INTERLOCK FLOAT SWITCH WITH UNIT SAFETIES.
6. EQUIVALENT MANUFACTURES ARE AMTROL AND ELBI
7. PROVIDE 24" TALL STAND/PLENUM BASE FOR VERTICAL UNITS.
8. TANK SHALL BE ASME RATED.
9. EQUIVALENT PUMP MFGS ARE B&G, TACO, ARMSTRONG.
10. PROVIDE ALL REQUIRED ISOLATION VALVES, DRAIN VALVES, AND VALVE SCHEDULE CHARTS.
11. UNIT SHALL BE EPOXY COATED AND FULLY INSULATED.
12. TANK SHALL HAVE A REMOVABLE STRAINER AND A SERVICEABLE STRAINER.
13. UNIT SHALL BE WALL MOUNTED COOLING ONLY UNIT.
14. PROVIDE RUBBER IN SHEAR ISOLATORS FOR SUSPENDED AIR HANDLER.
15. PREPARE UPLIST WITH DETAILED SPECIFICATIONS FOR THE EQUIPMENT TYPE, CONFIGURATION, NUMBER OF DX STAGES, REFRIGERATION CIRCUITS, CONTROLS WITH THE EQUIPMENT TYPE, CONFIGURATION, NUMBER OF DX STAGES, REFRIGERATION CIRCUITS, CONTROLS INFORMATION.
16. PROVIDE PRESSURE TAPS ON INLET AND OUTLET OF INDOOR COILS. PROVIDE SUCTION ACCUMULATORS ON ALL UNITS.
17. PROVIDE CEILING MOUNTED AHU WITH AN EMERGENCY DRAIN PAN.
18. PROVIDE PRESSURE CONTROLS WITH THE EQUIPMENT TYPE, CONFIGURATION, NUMBER OF DX STAGES, REFRIGERATION CIRCUITS, CONTROLS INFORMATION.
2. U.L. DESIGN ASSEMBLY NUMBERS ARE SHOWN ON ARCHITECTURAL NOTES:

NOTE: BY ARCH.

BY ARCH.

SUPPLY AIR FLOW

ELECTRICAL CONDUIT

LIGHT FIXTURE

OPPOSED BLADE DAMPER

3/8" BOLT, NUT & FINISH

SPLITTER DAMPER

3.  D = 1.5 x B

AFTER TURNS.

8M FLEX DUCT FLEXMASTER

4"X4" TREATED WOOD

ROOF CONSTRUCTION

REFER TO

1/4" DIA BRASS PLATED STEEL

ABOVE CEILING

GYP BOARD CEILING

FOR ROOFING DETAILS

MOUNTING

AROUND (MIN. 2 PER DAMPER TRAY W/ OF FAN)

DIFFUSER FACE

HEIGHT IS 9" OR LESS INSIDE.

USED IF BRANCH DUCT TRANSITION EXH. DUCT

DETAILS FOR CURB

PRE MANUFACTURED DISCONNECT SWITCH

NON-FUSED SAFETY

MAAD101.DWG

BRANCH TAPERED INTO BODY STUFFED UNDER DOUBLE WYE

22"∅ BEARING

3/8" ROD

MODEL FLD-B03 - 1 1/2 W/ LOCKING "D"

WITH 30° ANGLE FEN MECHANICAL DETAILS

5656 S. STAPLES, SUITE 360, CORPUS CHRISTI, TX 78411 P - 361.852.2727     F - 361.852.2922 TEXAS ENGINEERING FIRM NO. 005318

M4.100

TECHNICAL DETAILS

IVR21-1004

M4.100

NKG40003

22042

IVR21-1004
**FAN RUNTIME EXCEEDED:** FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

**CONTROL SCHEMATIC LEGEND 1**

**SYSTEM OFF - WHEN THE SYSTEM IS OFF:**
- The primary and secondary coil shall be closed.
- The primary and secondary coil shall be energized.

**SYSTEM STARTUP - SYSTEM SHALL BE INITIATED AUTOMATICALLY BY THE AIR-SYSTEM CONTROLS: SYSTEM SHALL BE INITIATED MANUALLY BY THE AIR-SYSTEM CONTROLS: SYSTEM SHALL BE INITIATED MANUALLY BY THE AIR-SYSTEM CONTROLS:**
- The primary and secondary coil shall be energized.
- The primary and secondary coil shall be closed.

**SYSTEM OPERATIONS - WHEN SYSTEM IS ON:**
- The primary and secondary coil shall be energized.
- The primary and secondary coil shall be closed.

**SYSTEM SHUTDOWN:**
- The primary and secondary coil shall be closed.
- The primary and secondary coil shall be energized.

**SYSTEM MONITORING -zeichnete Schaltpläne und Sequenz der Betriebsarten**

**MICROPROCESSOR FAN CONTROLLER:**
- The primary and secondary coil shall be closed.
- The primary and secondary coil shall be energized.

**VENTILATION EXHAUST FAN - CONTROL SCHEMATIC AND SEQUENCE OF OPERATIONS**

**VAV TERMINAL UNIT WITH HOT WATER REHEAT - CONTROL SCHEMATIC AND SEQUENCE OF OPERATIONS**

**MISCELLANEOUS SYSTEMS**

**SYSTEM STARTUP - SYSTEM SHALL BE INITIATED AUTOMATICALLY BY THE AIR-SYSTEM CONTROLS:**
- The primary and secondary coil shall be energized.
- The primary and secondary coil shall be closed.

**SYSTEM OPERATIONS - WHEN SYSTEM IS ON:**
- The primary and secondary coil shall be energized.
- The primary and secondary coil shall be closed.

**SYSTEM SHUTDOWN:**
- The primary and secondary coil shall be closed.
- The primary and secondary coil shall be energized.

**SYSTEM MONITORING:**
- The primary and secondary coil shall be energized.
- The primary and secondary coil shall be closed.
ACTIVE HIGH LIMIT, THE EMCS MODULATE THE OUTSIDE AIR FAN TO MAINTAIN ITS SCHEDULED MAXIMUM OUTSIDE AIR FLOW RATE.

SCHEDULED MAXIMUM FLOW RATE TO ITS SCHEDULED MINIMUM FLOW RATE. IF THE WORST-CASE SPACE CO2 LEVEL IS AT LEAST 100 PPM (ADJ) INDEXED TO ITS MINIMUM SPEED REFERENCE VALUE. THE SPEED OF THE SUPPLY AND OUTSIDE AIR FAN SHALL NOT BE ADJUSTED BY MORE SETPOINT, THE OUTSIDE AIR DAMPER SHALL BEGIN TO MODULATE CLOSED. THE OUTSIDE AIR DAMPER POSITION SHALL HAVE A LOW LIMIT OF 50%.

SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET BASED ON THE ACTUAL RETURN AIR TEMPERATURE.

THE SYSTEM SHALL BE ENABLED AUTOMATICALLY BASED ON THE ACTUAL SPACE OCCUPANCY. WHEN THE TIME OF DAY TERMINAL UNITS WHOSE SPACE TEMPERATURE HAS EXCEEDED THE TERMINAL UNITS UNOCCUPIED COOLING SETPOINT. ONCE ENABLED, THE SYSTEM SHALL OPERATE AUTOMATICALLY BASED ON PRE-START MODE OR NIGHT-SETBACK MODE.

THE DX SYSTEM SHALL OPERATE EVERY OTHER SATURDAY FOR 12 HOURS OR WHEN THERE IS A UNIT FREEZE-STAT TRIPS.

SYSTEM START-UP - SYSTEM START-UP SHALL BE INITIATED:
- WHEN THE SYSTEM IS IN-OFF
- WHEN THE SYSTEM IS IN-OFF BASED ON THE INDOOR OUTDOOR TEMPERATURE DIFFERENCE (BACNET)

SYSTEM SHUTDOWN - SYSTEM SHUTDOWN SHALL BE INITIATED:
- BY OPERATOR ENTERED MANUAL COMMAND AT THE EMCS.

System Setpoints - The Setpoints for the System shall be determined as follows:

- The Supply Pressure Setpoint shall be set initially at 2.5" WC (ADJ) and shall have reset limits of 2.0" to 3.0" (ADJ).

- The Supply Duct Static Pressure High-Limit Setpoint shall be set at 2.0 "WC (ADJ).

- The Static Pressure Reset Increment shall be set at 0.05 inches W.C. (ADJ).

- The Static Pressure Reset shall be set at 0.05 inches W.C. (ADJ).

- The Supply Air Temperature Setpoint shall be set initially at 50°F (ADJ).

- The Supply Air Temperature Reset shall be set to 58°F (ADJ) when the return air temperature is at 72°F (ADJ).

- The Supply Air Temperature Control Valve shall be modulated to maintain the active supply air temperature setpoint.

- The Static Pressure Control Valve shall be modulated to maintain the active static pressure setpoint.

- The DX System shall operate every other Saturday for 12 hours or when there is a unit freeze-stat trips.

System Start-Up - System Start-Up shall be initiated:
- Upon return of system power or upon system power failure.

System Shutdown - System Shutdown shall be initiated:
- By operator entered manual command at the EMCS.

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System Start-Up - System Start-Up shall be initiated:
- Upon return of system power or upon system power failure.

System Shutdown - System Shutdown shall be initiated:
- By operator entered manual command at the EMCS.

System Operation - The System Operation shall be initiated:
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- By operator entered manual command at the EMCS.
DEMOLITION GENERAL NOTES:
A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED ELECTRICAL AND
    CONSTRUCTION PLANS ON FILE. IF ANY OF THE ABOVE DESCRIBED WORK IS
    DONE UNDER FALSE PRETENSES OR WITH FALSE INFORMATION, THE
    CONTRACTOR MAY BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES
    INCURRED AS A RESULT.
B. DEMOLITION SHEET NOTED TO BE COMPLETE WHEN OUTLETS ARE REMOVED, CONDUIT
    AND WIRE SHALL BE REMOVED BACK TO THE NEAREST REMAINING ACTIVE AREA OR
    FIXTURE.
C. RECONNECT ALL LIGHTS THAT MAY HAVE BEEN INTERRUPTED BECAUSE OF
    NECESSARY WORK.
D. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE,
    OR INSTALL ALL ITEMS DESCRIBED IN THESE NOTES.
E. VERIFY THE LOCATIONS OF EACH CIRCUIT, AS INSTRUCTED IN REMODELING WORK. THE
    REMODELING WORK PLAN MUST BE UP TO DATE AND ACCURATE.
F. REMOVE ALL CIRCUITS AND CIRCUIT ASSOCIATED WITH ALL EQUIPMENT BEING
    REMOVED, INCLUDING GROUNDING AND PANEL BOXES.

ELECTRICAL SPECIFICS:
1. REMOVE ELECTRICAL PANEL, FUSES, AND ALL
   ELectrical equipment to be removed.
2. REMOVE ELECTRICAL PANEL, FUSES, AND ALL
   ASSOCIATED CIRCUIT TO BE LEFT PLUGGED TO
   REMAIN. (REFERENCE ELECTRICAL POWER SHEET
   XX20 FOR ADDITIONAL INFORMATION)
3. REMOVE ANY AND ALL ASSOCIATED DUCTWORK, DRYWALL, OR
   MOUNTING Material.
DEMONSTRATION NOTES:
A. IN THE CONTRACTOR’S RESPONSIBILITY TO MAINTAIN ELECTRICAL SYSTEMS
FUNCTIONING DURING THE MILESTONE.
B. ALL EXISTING ELECTRICAL LIGHTING FIXTURES TO REMAIN.
C. ELECTRICAL SHEET TO BE ROUTED PVC CONDUIT BACK TO THE MILESTONE PROJECT.
D. "1/8" = 1'" SCALE.
E. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
F. ALL ELECTRICAL fixtures to be remanufactured.
G. ALL ELECTRICAL SYSTEMS TO REMAIN.
H. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
I. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
J. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
K. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
L. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
M. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
N. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
O. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
P. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
Q. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
R. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
S. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
T. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
U. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
V. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
W. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
X. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
Y. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
Z. ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.

ELECTRICAL SHEET TO BE ROUTED PVC CONDUIT BACK TO THE MILESTONE PROJECT.

ALL ELECTRICAL LIGHTING FIXTURES TO REMAIN.
A. In the contractors responsibility to have verified electrical and/or
construction during the scope work of this RFQ. All work performed in the
removal of electrical devices, equipment, and lighting shall be performed in
accordance with the latest edition of the National Electrical Code.
B. All switches, receptacles, conduit, and wire shall be removed back
to the nearest branching circuit area or frame.
C. Remedy all lights that may have been interrupted because of
improper installation.
D. Provide all opportunities required to replace, relocate, remove,
or install all items described in these notes.
E. Verify the location of each circuit affected by remodeling work. The
remodeling cost of each branch circuit must not exceed 500 ft for the
remodeling scope of work.
F. Remove all switches and/or boxes associated with all equipment being
removed, including dimensional and planning requirements.
A. The Contractor is responsible to have verified electrical job cards complete and up to date. This information is to be verified by the authorized representative of the Architect. Any unauthorized changes will be processed with a change order.
B. All lights, switches, outlet boxes, and conduits shall be removed back to the nearest remaining active area and reconnected.
C. Reconnect all lights that may have been interrupted because of demolition work.
D. Provide all apparatus required to replace, relocate, remove, or reinstall all items described in these notes.
E. Verify the locations of each circuit affected by demolition work. The maximum load of any branch circuit must not exceed 80% of its rating.
F. Remove all outlets and/or boxes associated with all equipment being removed, including mechanical and plumbing equipment.

ELECTRICAL ITEMS TO BE REMOVED, UNLESS NOTED OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.

REFERENCE ARCHITECTURE DEMOLITION SHEETS FOR

REFERENCE ELECTRICAL POWER SHEET E2.500

PROJECT #: RFQ1-0001

CORPORATION

3751 S. ALAMEDA ST.
FEET

DE 1.500

22062
TO THE NEAREST REMAINING ACTIVE OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS. NOT SITE

ALL EXISTING ELECTRICAL LIGHTING FIXTURES IN PROPOSED SCALE

ADDITIONAL DEMO WORK, REFERENCE ELECTRICAL LIGHTING REMOVED, INCLUDING MECHANICAL AND PLUMBING EQUIPMENT MAXIMUM LOAD OF ANY BRANCH CIRCUIT MUST NOT EXCEED 80% OF ITS RATING.

08/04/2023
ELECTRICAL GENERAL NOTES:

A. ACCURATE LOCATION OF ALL ELECTRICAL FIXTURES TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
B. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & ELECTRICAL PLANS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
C. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES.
D. SEWERS AND DRAINAGE SHAL BE AS STRAIGHT AS POSSIBLE AND PARALLEL OR PERPENDICULAR TO BUILDING LINES.
E. ALL CONDUIT AND FLOOR PIPING TERMINATIONS TO BE SEATED IN CAST IRON PIPE TRAP.
F. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
G. REPORT TO DATE FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL FIXTURES PRIOR TO RECEIVING.

ELECTRICAL KEYNOTES:

1. TYPICAL PLANNING ILLUMINATED TO B.E.
   ILLUMINATED AT 7% LUMEN PER SQ. FT. AND HAVE INTEGRAL DRIVER AND OCCUPANCY SENSORS TO INCREASE LIGHT OUTPUT TO 100% UPON IN-TECHNICAL ACTIVATION.
2. ELECTRICAL FIXTURES MOUNTED ABOVE THRESHOLD.

NOTICE TO BID MERCHANTS - THIS DRAWING IS A WORK PRODUCT AND NOT FOR CONSTRUCTION PURPOSES.
**Electrical General Notes:**

- A. ELECTRICAL WORK TO BE MOUNTED ABOVE DOOR THRESHOLD.
- B. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
- C. CONTRACTOR SHALL CONFORM TO OR WITHIN THIS DRAWING.
- D. CONSTRUCTION SHALL COMPLY WITH CURRENTLY ADOPTED VERSIONS OF NATIONAL ELECTRICAL CODE.
- E. SEALS ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED PIPES.
- F. ALL CONDUCTORS SHALL BE PROTECTED CONCEALED WITHIN WALLS AND/OR JUST Out OF REACH, WHERE APPLICABLE.
- G. MOUNT EXIT SIGNS FOR EACH LOCATION AND MOUNTING HEIGHT OF ALL ODOMETERS PRIOR TO 10PM.
- H. MOUNT TIME DELAY TO 20 MINUTES PRIOR TO 10PM.

**Electrical Keynotes:**

- 1. ELECTRICAL-LIGHTING PLANS PER LUTRON COVERAGE PATTERNS.
- 2. SENSOR LAYOUT IS BASED ON LUTRON COVERAGE PATTERNS.
- 3. CHECKED BY:
- 4. BORNE CHECKED.
- 5. ALL AMMENDMENTS OR CHANGES TO THE DRAWINGS MUST BE SUBMITTED PRIOR TO COMMENCEMENT OF WORK.
- 6. ARMS ARE NOT CONTRACTOR'S RESPONSIBILITY.
- 7. ARMS ARE NOT CONTRACTOR'S RESPONSIBILITY.
- 8. ARMS ARE NOT CONTRACTOR'S RESPONSIBILITY.
- 9. ARMS ARE NOT CONTRACTOR'S RESPONSIBILITY.
- 10. ARMS ARE NOT CONTRACTOR'S RESPONSIBILITY.
ALL FIXTURES PRIOR TO ROUGH-IN.

ALL CONDUIT SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE SEALANT.

EXIT SIGNS TO BE MOUNTED ABOVE DOOR THRESHOLD.

COPIES OF SENSOR OPERATION INSTRUCTIONS TO OWNER.

DUAL RELAY WALL SWITCH SHALL BE SET TO MANUAL ON MODE TO INCREASE LIGHT OUTPUT TO 100%.

SENSOR TO INCREASE LIGHT OUTPUT TO 100%.

RELAY 1, AUTO ON RELAY 2.

PROJECT #: RFQ1-0001

JOHN A. RODRIGUEZ III

PROJECT ISSUE DATE:

PHASE:

MEDICAL OFFICE/CLINIC WITH LABORATORIES, WHERE APPLICABLE.

CEILINGS, WHERE APPLICABLE.

OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS.

FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

1/8" = 1'-0"
ELECTRICAL KEYNOTES:

1. PROVIDE DEDICATED GENERATOR BATTERY FOR USE IN EMERGENCY SITUATIONS.

2. NOTIFY CONSTRUCTION MANAGER PRIOR TO INSTALLATION OF ALL OTHER ELECTRICAL SYSTEMS TO AVOID CONFLICTS.

3. CORRESPONDING CONDENSING UNIT LOCATED ON ROOF. COORDINATE EXACT LOCATION AND IMPACT ON ROOF WITH MECHANICAL CONTRACTOR.

4. MEASUREMENTS TAKEN WITH INCHES ON LAYOUT. ADJUSTMENTS TO BE MADE PRIOR TO INSTALLATION.

5. PROVIDE PLYWOOD BACKBOARD WITH WHITE FLAME RESISTANT PAINT FINISH ON ALL WALLS EXCEPT ENTRY WALL.

6. PROVIDE DEDICATED ELECTRICAL SERVICE TO EACH LEVEL TO MEET CODE REQUIREMENTS.

7. PROVIDE EIGHT CIRCUITS, EACH WITHIN 20 AMPS, TO EACH LEVEL FOR FUTURE USE.

ELECTRICAL GENERAL NOTES:

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS PRIOR TO INSTALLATION. ALL MEASUREMENTS TO BE TAKEN TO O.F.F. ON DRAWING.

B. CONTRACTOR SHALL NOTIFY ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL CONTRACTORS PRIOR TO INSTALLATION OF THE ELECTRICAL SYSTEM.

C. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES.

D. ALL CONCEPT SHALL BE SUBMITTED TO OWNER PRIOR TO INSTALLATION.

E. ALL POWER CIRCUITS TO BE SUPPLIED WITH CURRENTLY ACCEPTED VERSIONS OF NATIONAL ELECTRICAL CODE.

F. INSTALL ALL WALL, KEYPAD, AND FLOOR PROTECTIONS WITH LL Listed PARCEL.

G. ALL GRID WIRE SHALL BE HANDLING CONSIDERED WITHIN WALL AND/OR ABOVE ALL OTHER WIRING APPLICATIONS.

H. PROVIDE VESI PLANS FOR EXISTING LOCATIONS AND DETERMINE HEIGHTS OF ALL ITEMS PRIOR TO INSTALLATION.
ELECTRICAL GENERAL NOTES:
A. CONTRACTOR SHALL REMOVE ALL CONDUIT AND RECEPTACLES IN THE AREA TO BE CONSTRUCTED TO AVOID INTERFERENCE WITH THE REQUIRED WORK AND TO AVOID UNNECESSARY COSTS. THE CONDUIT AND RECEPTACLES WILL BE REUSED OR REPAIRED ON COMPLETION OF THE CONTRACT.
B. CONTRACTOR SHALL REMOVE ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS TO ALLOW FOR OR ACCESSIBILITY FOR SCREW-UP AND CLEAN-UP.
C. CONTRACTOR SHALL COORDINATE TO THE TRADES WHERE POSSIBLE AND PARALLEL TO BUILDING CODE.
D. ALL CONDUIT SHALL BE EXITED TO BUILDING'S ACCEPTED VERSION OF NATIONAL ELECTRICAL CODE.
E. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
F. ALL CONDUIT SHALL BE ROUTED CONSECUTIVELY WITHIN WALLS AND OR ABOVE CEILINGS WHERE APPLICABLE.
G. REFER TO JOB SITE PLAN FOR EXACT LOCATIONS AND ELEVATING HEIGHTS OF ALL CONDUIT PRIOR TO INSTALLATION.

ELECTRICAL KEYS NOTES:

ALL E/UTILITY, AND IT ROUGH-INS SHALL BE PROVIDED BY CONTRACTOR. ALL EQUIPMENT AND CABLES SHALL BE PROVIDED BY OWNER.
ELECTRICAL GENERAL NOTES:

A. CONTRACTOR SHALL NOTIFY ALL CONTRACTORS AND SUBCONTRACTORS OF THE JOB SITE BEFORE CONSTRUCTION OF THE PROJECT. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR INDEPENDENT PROJECTS TO ENSURE THAT ALL WORK IS COMPLETED ACCORDING TO THE CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND OWNER OF ANY MODIFICATIONS OR ADDITIONS TO THE CONTRACT DOCUMENTS FOR ANY ADDITIONAL WORK.

C. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO ENSURE THE SUCCESSFUL COMPLETION OF THE PROJECT.

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Z. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO ENSURE THE SUCCESSFUL COMPLETION OF THE PROJECT.

ELECTRICAL KEYNOTES:

1. ELECTRICAL PANELS SHALL BE COORDINATED PER THE PROJECT ISSUES.

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18. ELECTRICAL PANELS SHALL BE COORDINATED PER THE PROJECT ISSUES.

19. ELECTRICAL PANELS SHALL BE COORDINATED PER THE PROJECT ISSUES.

20. ELECTRICAL PANELS SHALL BE COORDINATED PER THE PROJECT ISSUES.

ALL AV. SECURITY, AND IT ROUGHINS SHALL BE PROVIDED BY CONTRACTOR. ALL EQUIPMENT AND CABLES SHALL BE PROVIDED BY OWNER.
ELECTRICAL GENERAL NOTES:
A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING WORK OF ALL TRADES. SUBMIT ALL ESTIMATES FOR APPROVAL TO THE ENGINEER PRIOR TO COMMENCEMENT OF THE CONTRACT ACCORDING TO DRAWING SPECIFICATIONS.ITOR TO DRAWING SPECIFICATIONS.
B. CONTRACTOR SHALL VERIFY ALL ARCHITECTURAL, COIL, MECHANICAL, AND ELECTRICAL SPECIFICATIONS FOR ANY ADDITIONAL COSTS.
C. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRAFICES.
D. ALL WIRING SHALL BE DONE IN A BEAUTIFUL MANNER AND PARALLEL OR PERPENDICULAR TO BUILDING USER.
E. ALL PLUMBING, CABELING, AND FLOOR/MMER FOR THE PURPOSES OF WATER PIPELINE, CABLES.
F. ALL WIRING, CABELING, AND FLOOR/MMER FOR THE PURPOSES OF WATER PIPELINE, CABLES.
G. ALL WIRING, CABELING, AND FLOOR/MMER FOR THE PURPOSES OF WATER PIPELINE, CABLES.
H. REFER TO CABLING PLANS FOR ALL ADDITIONS AND EQUIPPED LIGHTING OF ALL PIPES USED TO ROUGHING.

ALL A/V, SECURITY, AND IT ROUGH-INS SHALL BE PROVIDED BY CONTRACTOR.
ALL EQUIPMENT AND CABELING SHALL BE PROVIDED BY OWNER.

DATE: 12/02/2022

E3.600
**CONNECTED LOAD = 100,154 VA**

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<td>KITCHEN EQUIPMENT</td>
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**ESTIMATED ELECTRICAL LOAD**

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**PANEL 'MDP1'**

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**PANEL 'MDP1'**

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1. Contractor shall verify all dimensions and existing conditions at the job site before commencing any phase of the work. Adjustments for fit and coordination shall be made at no additional cost to the owner. Notify engineer of any conflicts, discrepancies or omissions prior to commencement of the contract work.

2. Contractor shall review all architectural, mechanical, and structural drawings and specifications for any additional requirements.

3. Contractor shall coordinate his work with other trades.

4. Seal all wall, roof, and floor penetrations with UL listed fire sealant.

5. Plumbing contractor to field coordinate with structural. Route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

Plumbing General Notes:

- Remove existing plumbing fixtures and associated piping.
- Remove and disconnect existing fire riser from sprinkler branch.
- Abandon piping below slab.
- Replace 6" sanitary in same location by means of pipe bursting.

Plumbing Key Notes:

- Panel connect plumbing pipes and intermediate pipes.
- Parade and disconnect existing fire pipes from temporary branch.
- Temporary piping above grade.
- Replace 6" sanitary in same location by means of pipe bursting.
PLUMBING LEGEND

Plumbing Symbols and Legend

PLUMBING RISER DETAILS

PLUMBING RISER IDENTIFICATION

GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF ALL DRAINS, ROUGH-INS AND MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, AND WALL CLEANOUTS SHALL BE PROVIDED AT ALL SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.

2. PERFORM ALL WORK AT THIS CONTRACTOR'S SOLE EXPENSE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYING OUT AND EXTRA WORK REQUIRED TO COMPLETE THE CONTRACT. CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS PROJECT AND SHALL BE LEAK PROOF.

3. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY BEFORE MAKING FINAL CONNECTIONS.

4. THE ARCHITECTS SPECIFICATIONS AND SHALL BE LEAK PROOF.

5. ALL WATER HEATER SUPPLY CONNECTIONS SHALL HAVE HEAT TRAPS INSTALLED AND GAS PIPES SHALL BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.

6. ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO TEMPERATURES ABOVE 110 DEGREES FAHRENHEIT SHALL HAVE A PERFORMANCE RATING OF 0.97.

7. ALL WATER HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING MORE THAN ONE WATER HEATER SHALL HAVE A PERFORMANCE RATING OF 0.97.

8. THE PLUMBING CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS PROJECT AND SHALL BE LEAK PROOF.

9. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND TOGETHER AT A MINIMUM 42" ABOVE FINISHED FLOOR.

10. PROVIDE C.P. CAST BRASS SLIP NUTS AND CLEANOUT PLUGS FOR ALL SINKS.

11. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES AND 43'-0" OF 1/2" TUBING, 21'-0" OF 3/4" TUBING TO ALL SIDE BY SIDE FLR TRAPS SHALL BE INSULATED WITH 1-1/2" OR R-4 INSULATION.

12. TP-3 DRINKING FOUNTAIN

13. TP-2 URINAL

14. TP-1 MOP SINK

15. TP-2 DRINKING FOUNTAIN

16. TP-3 URINAL

17. TP-2 MOP SINK

18. TP-3 DRINKING FOUNTAIN

19. FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATION OF STUB OUTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY BEFORE MAKING FINAL CONNECTIONS.

20. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO EQUAL. PROVIDE CLEANOUT PLUGS WHERE REQUIRED TO CLEAN DRAIN OR DRAIN SUMP.

21. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

22. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYING OUT AND EXTRA WORK REQUIRED TO COMPLETE THE CONTRACT. CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS PROJECT AND SHALL BE LEAK PROOF.

GENERAL ROOF PLAN NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF ALL DRAINS, ROUGH-INS AND MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, AND WALL CLEANOUTS SHALL BE PROVIDED AT ALL SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.

2. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES AND 43'-0" OF 1/2" TUBING, 21'-0" OF 3/4" TUBING TO ALL SIDE BY SIDE

3. TP-3 DRINKING FOUNTAIN

4. TP-2 URINAL

5. TP-1 MOP SINK

6. WATER HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING MORE THAN ONE WATER HEATER SHALL HAVE A PERFORMANCE RATING OF 0.97.

7. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND TOGETHER AT A MINIMUM 42" ABOVE FINISHED FLOOR.

8. PROVIDE C.P. CAST BRASS SLIP NUTS AND CLEANOUT PLUGS FOR ALL SINKS.

9. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

10. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

11. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO EQUAL. PROVIDE CLEANOUT PLUGS WHERE REQUIRED TO CLEAN DRAIN OR DRAIN SUMP.

12. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

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21. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

22. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

GENERAL ENERGY NOTES:

1. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND TOGETHER AT A MINIMUM 42" ABOVE FINISHED FLOOR.

2. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

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GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF ALL DRAINS, ROUGH-INS AND MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, AND WALL CLEANOUTS SHALL BE PROVIDED AT ALL SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.

2. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES AND 43'-0" OF 1/2" TUBING, 21'-0" OF 3/4" TUBING TO ALL SIDE BY SIDE

3. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES

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PLUMBING CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS PROJECT AND SHALL BE LEAK PROOF.
PLUMBING GENERAL NOTES:
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
4. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
5. PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL. ROUTE SANITARY LINES OUT AND AWAY FROM BEAMS WHERE POSSIBLE AND CROSS BEAMS PERPENDICULAR WITH SLEEVES AS REQUIRED.
6. REMOVE AND CAP ABOVE CEILING LEVEL ALL DOMESTIC WATER AND VENT PIPING LOCATED IN WALLS THAT ARE TO BE DEMOLISHED.
7. WHERE PLUMBING FIXTURES ARE TO BE REMOVED AND RELOCATED OR REPLACED, THE CONTRACTOR SHALL CUT AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS AS NECESSARY TO MATCH NEW CONDITIONS.

PLUMBING DWV KEY NOTES:
1. REFER TO CIVIL PLANS FOR CONTINUATION.
2. PROVIDE 1/2" CW LINE TO FLOOR DRAIN FOR TRAP PRIMER CONNECTION FROM WATER CLOSET. SEE DETAIL SHEET.
3. FLOOR DRAIN TO TIE IN ABOVE TRAP ON MOP SINK (SS1) AS INDIRECT WASTE, SEE DETAIL SHEET.
4. NEW 6" STORM DRAIN. DROP FROM FLOOR ABOVE TO BELOW FLOOR. ROUTE CONDENSATE DRAIN INDIRECT TO FLOOR DRAIN. COORDINATE LOCATION WITH MECHANICAL LOCATION.
1. Contractor shall verify all dimensions and existing conditions at the Job Site before commencement of any part of the work. Adjustments for fit and coordination shall be made at no additional cost to the Owner. Notify Engineer of any conflicts, discrepancies or omissions prior to commencement of the contract work.

2. Contractor shall review all architectural, mechanical & structural drawings and specifications for any additional requirements.

3. Contractor shall coordinate his work with other trades.

4. Seal all wall, roof, and floor penetrations with UL listed fire sealant.

5. Plumbing contractor to field coordinate with structural. Route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

6. Remove and cap above ceiling level all domestic water and vent piping located in walls that are to be demolished.

7. Where plumbing fixtures are to be removed and relocated or replaced, the Contractor shall cut and repair existing walls, floors, and ceilings as necessary to match new conditions.

PLUMBING DWV FLOOR PLAN - LEVEL 2

PLUMBING DWV KEY NOTES:

Refer to civil plans for continuation.

Provide 1/2" CW line to floor drain for trap primer connection from water closet. See detail sheet.

Floor drain to tie in above trap on mop sink (SS1) as indirect waste. See detail sheet.

New 6" storm drain. Drop from floor above to below floor. Coordinate location with mechanical location.
1. **CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.**

2. **CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS WITH PARTIAL ADDITIONAL REQUIREMENTS.**

3. **CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.**

4. **SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.**

5. **PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL. ROUTE SANITARY LINES OUT AND AWAY FROM BEAMS WHERE POSSIBLE AND CROSS BEAMS PERPENDICULAR WITH SLEEVES AS REQUIRED.**

6. **REMOVE AND CAP ABOVE CEILING LEVEL ALL DOMESTIC WATER AND VENT PIPING LOCATED IN WALLS THAT ARE TO BE DEMOLISHED.**

7. **WHERE PLUMBING FIXTURES ARE TO BE REMOVED AND RELOCATED OR REPLACED, THE CONTRACTOR SHALL CUT AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS AS NECESSARY TO MATCH NEW CONDITIONS.**

---

**PLUMBING DWV KEY NOTES:**

1. REFER TO CIVIL PLANS FOR CONTINUATION.

2. PROVIDE 1/2" CW LINE TO FLOOR DRAIN FOR TRAP PRIMER CONNECTION FROM WATER CLOSET. SEE DETAIL SHEET.

3. FLOOR DRAIN TO TIE IN ABOVE TRAP ON MOP SINK (SS1) AS INDIRECT WASTE, SEE DETAIL SHEET.

4. NEW 6" STORM DRAIN. DROP FROM FLOOR ABOVE TO BELOW FLOOR.

5. ROUTE CONDENSATE DRAIN INDIRECT TO FLOOR DRAIN. COORDINATE LOCATION WITH MECHANICAL LOCATION.

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**PLUMBING DWV KEY NOTES:**

1. REFER TO CIVIL PLANS FOR CONTINUATION.

2. PROVIDE 1/2" CW LINE TO FLOOR DRAIN FOR TRAP PRIMER CONNECTION FROM WATER CLOSET. SEE DETAIL SHEET.

3. FLOOR DRAIN TO TIE IN ABOVE TRAP ON MOP SINK (SS1) AS INDIRECT WASTE. SEE DETAIL SHEET.

4. NEW 6" STORM DRAIN FROM FLOOR ABOVE TO BELOW FLOOR.

5. ROUTE COORDINATE CONDENSATE DRAIN RESPECT TO FLOOR DRAIN LOCATION WITH MECHANICAL LOCATION.
PLUMBING GENERAL NOTES:

1. Contractor shall verify all dimensions and existing conditions at the job site before commencing any phase of the work. Adjustments for fit and coordination shall be made at no additional cost to the Owner. Notify Engineer of any conflicts, discrepancies or omissions prior to commencement of the contract work.

2. Contractor shall review all architectural, mechanical & structural drawings and specifications for any additional requirements.

3. Contractor shall coordinate his work with other trades.

4. Seal all wall, roof, and floor penetrations with UL-listed fire sealant.

5. Plumber contractor to field coordinate with structural, ensure route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

6. Remove and cap above ceiling level all domestic water and vent piping located in walls that are to be demolished.

7. Where plumbing fixtures are to be removed and relocated or replaced, the contractor shall cut and repair existing walls, floors, and ceilings as necessary to meet new conditions.

PLUMBING DWV KEY NOTES:

- Refer to civil plans for continuation.
- Provide 1/2" CW line to floor drain for trap primer connection from water closet. See detail sheet.
- Floor drain to tie in below trap on mop sink (SS1) as indirect waste. See detail sheet.
- 6" new waste stack. Route condensate drain indirect to floor drain. Coordinate location with mechanical location.

PLUMBING DWV FLOOR PLAN - LEVEL 4
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE PRIOR TO COMMENCEMENT OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE WORK.

2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

3. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

4. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.

5. PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL MECHANICAL, AND ELECTRICAL CONTRACTORS TO FIELD COORDINATE ON ALL WALL, FLOOR, AND CEILING PENETRATIONS. CUT AND REPAIR PENETRATIONS AS REQUIRED.

6. REMOVE AND CAP ABOVE CEILING LEVEL ALL DOMESTIC WATER AND VENT PIPING THAT IS TO BE DEMOLISHED.

7. WASTE ALL DOMESTIC WATER AND VENT PIPING THAT IS TO BE REMOVED.

PLUMBING DWV KEY NOTES:

- PROVIDE 1/2" CW LINE TO FLOOR DRAIN FOR TRAP PRIMER CONNECTION FROM WATER CLOSET.
- FLOOR DRAIN TO TIE IN ABOVE TRAP ON MOP SINK (SS1) AS INDIRECT WASTE.
- NEW 6" STORM DRAIN. DROP FROM FLOOR ABOVE TO BELOW FLOOR. ROUTE CONDENSATE DRAIN INDIRECT TO FLOOR DRAIN. COORDINATE LOCATION WITH MECHANICAL LOCATION.
1. Contractor shall verify all dimensions and existing conditions at the job site before commencing any phase of the work. Adjustments for fit and coordination shall be made at no additional cost to the owner. Notify engineer of any conflicts, discrepancies or omissions prior to commencement of the contract work.

2. Contractor shall review all architectural, mechanical & structural drawings and specifications for any additional requirements.

3. Contractor shall coordinate his work with others.

4. Seal all wall, roof, and floor penetrations with UL listed fire sealant.

5. Plumbing contractor to field coordinate with structural. Route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

6. Remove and cap above ceiling level all domestic water and vent piping located in walls that are to be demolished.

7. Where plumbing fixtures are to be removed and relocated or replaced, the contractor shall cut and repair existing walls, floors, and ceilings as necessary to match new conditions.

PLUMBING GENERAL NOTES:

1. Refer to civil plans for continuation.

2. Provide 1/2" CW line to floor drain for trap primer connection from water closet. See detail sheet.

3. Floor drain to tie in above trap on mop sink (SS1) as indirect waste, see detail sheet.

4. New 6" storm drain. Drop from floor above to below floor.

5. Route condensate drain indirect to floor drain. Coordinate location with mechanical location.

PLUMBING DWV KEY NOTES:

- Sump plungers for continuation.
- Engraved J29 to B251 trap on roof drain (251). No horizontal waste. See detail sheet.
- Every 90" (horizontal drop from floor above) below floor.
- Route coordinate drain respect to floor drain. Coordinate location with mechanical location.
1. Contractor shall verify all dimensions and existing conditions at the job site before commencing any phase of the work. Adjustments for fit and coordination shall be made at no additional cost to the owner. Notify engineer of any conflicts, discrepancies or omissions prior to commencement of the contractual work.

2. Contractor shall review all architectural, mechanical & structural drawings and specifications for any additional requirements.

3. Contractor shall coordinate his work with other trades.

4. Seal all wall, roof, and floor penetrations with UL listed fire sealant.

5. Plumbing contractor to field coordinate with structural. Route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

6. Where plumbing fixtures are to be removed and relocated or replaced, the contractor shall cut and repair existing walls, floors, and ceilings as necessary to match new conditions.

7. Remove and cap above ceiling level all domestic water and vent piping located in walls that are to be demolished.

8. Where plumbing fixtures are to be removed and relocated or replaced, the contractor shall cut and repair existing walls, floors, and ceilings as necessary to match new conditions.

PLUMBING GENERAL NOTES:

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TURNER | RAMIREZ ARCHITECTS
3751 S. ALAMEDA ST. CORPUS CHRISTI, TX 78411 p (361)994-8900 www.trarch.com

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PLUMBING WATER AND GAS FLOOR PLAN - LEVEL 1
08/04/2023 PROJECT #:RFQ1-0001 SMR KMS 100% CONSTRUCTION DOCUMENTS
08/04/2023
223 N. CHAPARRAL STREET CORPUS CHRISTI, TEXAS 78411
TEXAS A&M UNIVERSITY - CORPUS CHRISTI CHAPARRAL BUILDING RENOVATIONS
PROJECT #:RFQ1-0001 CONTRACT #:20172914
1/8" = 1'-0"
PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE TO ENSURE COMPLIANCE WITH CONTRACT DOCUMENTS. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.

2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

3. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.

4. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.

5. PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL. ROUTE SANITARY LINES OUT AND AWAY FROM BEAMS WHERE POSSIBLE AND CROSS BEAMS PERPENDICULAR WITH SLEEVES AS REQUIRED.

6. REMOVE AND CAP ABOVE CEILING LEVEL ALL DOMESTIC WATER AND VENT PIPING LOCATED IN WALLS THAT ARE TO BE DEMOLISHED.

7. WHERE PLUMBING FIXTURES ARE TO BE REMOVED AND RELOCATED OR REPLACED, THE CONTRACTOR SHALL CUT AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS AS NECESSARY TO MATCH NEW CONDITIONS.
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.

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PLUMBING WATER AND GAS FLOOR PLAN - LEVEL 3

SCALE 1/8" = 1'-0"

PROJECT #:RFQ1-0001 SMR KMS 100% CONSTRUCTION DOCUMENTS

08/04/2023

22042

TEXAS A&M UNIVERSITY - CORPUS CHRISTI CHAPARRAL BUILDING RENOVATIONS

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PLUMBING WATER AND GAS FLOOR PLAN - LEVEL 3
PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.

2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

3. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.

4. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.

5. PLUMBING CONTRACTOR TO FIELD COORDINATE WITH STRUCTURAL. ROUTE SANITARY LINES OUT AND AWAY FROM BEAMS WHERE POSSIBLE AND CROSS BEAMS PERPENDICULAR WITH SLEEVES AS REQUIRED.

6. REMOVE AND CAP ABOVE CEILING LEVEL ALL DOMESTIC WATER AND VENT PIPING LOCATED IN WALLS THAT ARE TO BE DEMOLISHED.

7. WHERE PLUMBING FIXTURES ARE TO BE REMOVED AND RELOCATED OR REPLACED, THE CONTRACTOR SHALL CUT AND REPAIR EXISTING WALLS, FLOORS, AND CEILINGS AS NECESSARY TO MATCH NEW CONDITIONS.

8. SCALE 1/8" = 1' - 0"
PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.

2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.

3. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADERS.

4. CONTRACTOR SHALL CUT AND REPAIR EXISTING WALLS, FLOORS AND CEILINGS AS NECESSARY TO MATCH NEW CONDITIONS.

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1. Contractor shall verify all dimensions and existing conditions at the job site. Any discrepancies or variations from the existing conditions shall be noted and documented prior to commencement of the work. Adjustments for fit and coordination shall be made at no additional cost to the owner. Notify engineer of any conflicts, discrepancies or omissions prior to commencement of the contract work.

2. Contractor shall coordinate his work with other trades.

3. Contractor shall review all architectural, mechanical & structural drawings and specifications for any additional requirements.

4. Seal all wall, roof, and floor penetrations with UL Listed Fire Sealant.

5. Plumbing contractor to field coordinate with structural, route sanitary lines out and away from beams where possible and cross beams perpendicular with sleeves as required.

6. Where plumbing fixtures are to be removed and relocated or replaced, the contractor shall cut and repair existing walls, floors, and ceilings as necessary to match new conditions.

7. Remove and cap above ceiling level all domestic water and vent piping located in walls that are to be demolished.

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REFER TO ARCHITECTURAL TAS/ADA SHEETS AND TAS/ADA REGULATIONS FOR MOUNTING HEIGHTS AND CLEARANCES.

PLUMBING EQUIPMENT SCHEDULE

PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE UNITS

PLUMBING PIPE MATERIALS SCHEDULE

GAS LOAD SUMMARY (2 Psig)

WATER CALCULATIONS

FIRE PROTECTION DESIGN CRITERIA

DOMESTIC WATER BOOSTER PUMP SCHEDULE

FIRE AND JOCKEY PUMP SCHEDULE

NOTE: PROCESS, INSTALL, AND PROVIDE (SOLUTION). ENSURE PRE-CHARGED FIRE PUMP SYSTEM WITH DESIGNS AND CODES TO DELIVER NOT MORE THAN 5% OF SHUTOFF HEAD AT BOOSTER AND NOT LESS THAN 95% OF SELECTED CAPACITY AT SPEED RATED HEAD.

NOTE: IF CITY PRESSURE AT THE TIME OF DESIGN ARE SUBJECT TO CHANGE, THE CONTRACTOR SHALL PROVIDE A CURRENT FLOW TEST WITHIN SUBMITTAL.

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1. UNDERGROUND INSTALLATION DETAIL OF PLASTIC PIPING SYSTEMS

2. TWO-WAY CLEANOUT DETAIL

3. CLEANOUT DETAIL

4. PIPE SPRINKLER RISER DETAIL

5. FIRE PUMP DETAIL

6. FLOOR CONTROL VALVE DETAIL

7. TRAP PRIMER DETAIL

8. ELN ABOVE TRAP

9. PIPE PENESSION THRU FLOOR

10. WATER HAMMER ARRESTER

11. PIPE HANGER FOR INSUL. PIPE

12. UNINSULATED PIPE HANGER

13. WATER HEATER DETAIL

14. EXPANSION TANK DETAIL

15. VENT THRU ROOF

16. DOMESTIC WATER BOOSTER PUMP

17. ELEVATOR STUMP DETAIL

18. PIPE THROUGH ROOF DETAIL

19. GAS CONNECTION - TYP.

20. GAS SERVICE CONNECTION

INSULATED PIPE THRU ROOF OF PIPE SLEEVE.

1-1/4" x 3/4" REDUCER

UL & AGA APPROVED DIELECTRIC UNION OFF PUMP, N.O. N.O.

COORDINATE REQUIRED NEXT TO PIPE TEE OVER VENT STACK RE: ARCHITECTURAL

WELDED STEEL 10

INSULATION

GALV SUPPORT DRAIN BELOW PRESSURE GAUGES

4. A MECHANICAL TAMPER IS RECOMMENDED FOR COMPACTING SAND CLODS, OR OTHER LARGE DEBRIS SHOULD BE REMOVED. STONE SHOULD BE MAINTAINED. PIPE SHOULD ALWAYS BE INSTALLED BELOW THE FROST LEVEL. TYPICALLY, IT IS NOT ADVISABLE TO ALLOW VEHICULAR TRAFFIC OR HEAVY CONSTRUCTION EQUIPMENT TO PERFORM IN LAYERS OF 6 INCHES WITH EACH LAYER BEING SUFFICIENTLY CONSOLIDATED TO COMPLETE THE FINAL BACKFILL. FROM THIS POINT ONWARDS, THE BACKFILL SHOULD BE ABOUT ONE-TENTH OF THE PIPE OUTSIDE DIAMETER.

Bearing Areas

1. THE MINIMUM WIDTH OF THE TRENCH SHOULD BE THE PIPE OD (OUTSIDE DIAMETER) PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25 MATERIAL IN THE TRENCH BOTTOM. IF ROCK OR UNYIELDING MATERIAL IS ENCOUNTERED, THE TRENCH WIDTH MUST BE ADJUSTED TO INSURE LOCATIONS ARE COORDINATED WITH ARCHITECTURAL PLANS.

2. PROVIDE A MINIMUM OF 4 INCHES OF FIRM, STABLE AND UNIFORM BEDDING HAUNCHING WHICH IS ADJUSTABLE TO SUPPORT PIPE SECTIONS IN THE TRENCH.

FLUSH "ON" AT 105° AND "OFF" AT 90° TO WALL BRACKET MOUNTED IN WALL.

HOT OR COLD WATER SUPPLY VACUUM RELIEF VALVE

RETURN TO PUMP PLUS 250 PSI, BUTYL DIAPHRAGM A.S.M.E. RATED PRESSURE RELIEF VALVE, PRIMER INLET & 3/8" PLUG SWING JOINT & 3/4" HOSE THREAD ADAPTER 3/4" THREADED FULL PORT BALL VALVE MOUNT ON WALL WITHIN 12" OF ELEVATOR DOOR OPENING AT 42" ABOVE BUILDINGS FINISHED FIRST FLOOR.

PROVIDE A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER POINT. INSULATION EACH WAY.

PIPE TO HUB 16 GAUGE GALV. DRAIN PAN 18 GAL.

PIPE SUPPORT (TYPICAL) INSTALLATION SHALL OCCUR ONLY WHEN THERE IS SUFFICIENT HEADROOM TO ALLOW VARIOUS COMPONENTS TO BE INSTALLED.

OVER VENT STACK 4"DWV 2"SS 1% SLOPE CONNECTION CLEANOUT DETAIL 3TWO-WAY CLEANOUT DETAIL 2

CLEANOUT DETAIL 3

MILWAUKEE VALVE CO.

GAS SHUT-OFF VALVE.

2" TEE FOR WELDING

PROVIDE A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER POINT. INSULATION EACH WAY.

SHUT-OFF VALVE (TYPICAL)

SWING JOINT & 3/4" HOSE THREAD ADAPTER 3/4" THREADED FULL PORT BALL VALVE MOUNT ON WALL WITHIN 12" OF ELEVATOR DOOR OPENING AT 42" ABOVE BUILDINGS FINISHED FIRST FLOOR.

GAS PRESSURE REGULATOR

1/2" COMBINATION FIXTURE UNIT LOAD

PDI SIZE 10 FILL TANK WITH AIR

GALV SUPPORT DRAIN BELOW PRESSURE GAUGES

GREEN/RED CONDUIT CLAMPS OR 1/4" "U" BOLTS

THERMOMETER}

TO SPRINKLER SECTIONAL DRAIN VALVE

TEST VALVE

CHECK VALVE

6" VERTICAL CHECK VALVE

PPWV103

PWHE203

PPWV100

PPWV100

E A N

NOTE: ALL HOLES CORE DRILLED IN EXISTING LOCATION WITH ARCHITECTURAL PLANS.

PRIMER INLET & 3/8" PLUG SWING JOINT & 3/4" HOSE THREAD ADAPTER 3/4" THREADED FULL PORT BALL VALVE MOUNT ON WALL WITHIN 12" OF ELEVATOR DOOR OPENING AT 42" ABOVE BUILDINGS FINISHED FIRST FLOOR.
GAS METER
2PSI REGULATOR
2" NG
1 1/2" NG
4" NG
EMERGENCY GENERATOR
2 1/2" (E)CW
2" CW
3/4" CW
1 1/2" CW
3/4" HW
2" CW
3/4" HW
2" CW
1/2" HW
R
GV
WHA
EWH2
CP2
XT2
EWH1
CP1
XT1
WHA
HB1
HB1
HB1
HB1
LV2
LV2
WC1
WC1
WC1
WC1
WC2
WC2
WC2
WC2
UR1
UR1
EDF1
WC1
LV1
8/4/2023 PROJECT #:RFQ1-0001 SMR KMS 100% CONSTRUCTION DOCUMENTS
08/04/2023
PROJECT PART #: P5.200
WATER AND GAS RISER DIAGRAM