CITY OF PORT ARANSAS
PUBLIC SAFETY CENTER
PORT ARANSAS, TEXAS

May 18, 2023

WENDY MOORE Mayor
TIM PARKE Council Member Place 1
KELLY OWENS Council Member Place 2
JO ELYNN KRUEGER Council Member Place 3
TANYA CHAMBERS Council Member Place 4
DAVID SIELOFF Council Member Place 5
DALE CHRISTIANSON Council Member Place 6
DAVID PARSONS City Manager

CITY OF PORT ARANSAS CITY OFFICIALS & STAFF

Architect
GIGNAC Architects
416 Starr Street
Corpus Christi, TX 78401
[P] 361-884-2661

Civil
Urban Engineering
2725 Swantner Dr.
Corpus Christi, TX 78404
[P] 361-854-3101

Landscape / Irrigation
ADLA, INC.
4833 Saratoga Blvd. #116
Corpus Christi, TX 78413
[P] 361-288-2335

Structural
Green - Rutano & Associates
1220 W. Harrison
Harlingen, TX 78550
[P] 956-428-4461

MEP
MS2 Consulting Engineers
9200 IH-10 West, Suite 312
San Antonio, TX 78230
[P] 210-736-4265

EAB Project Number:
TABS2023018646
1. MOUNTING HEIGHTS

2. FRONT APPROACH DOORS

3. LATCH SIDE APPROACH DOORS

4. LAVATORY CLEARANCES

5. GRATINGS IN ACCESSIBLE ROUTES

6. HINGE SIDE APPROACH DOORS

7. MISCELLANEOUS HEIGHTS

8. TWO HINGED DOOR IN SERIES

9. TOILET ACCESSORIES

TOILET ACCESSORIES

- Location: [Details]
- Description: [Details]
- Placement: [Details]
- Specifications: [Details]

NOTES
- Standard ADA Guidelines
- Project Number: [Details]
- City of Port Aransas, Texas

Scale: 1/2" = 1'-0"
7 TREAD WIDTH AND NOSINGS

Scale: 1/8" = 1'-0"

Projection of the nosing shall extend 1 1/2 inches maximum over the tread below. The tread at an angle of 30 degrees maximum from vertical. The permitted radius curvature at the leading edge curved or beveled. Risers shall be permitted to slope under 1 1/2 inches maximum. NosingS that project beyond the risers shall have the underside 504.5 nosings shall be 4 inches high minimum and 7 inches maximum. Treads have uniform riser heights and uniform tread depths. Risers shall be 11 inches deep minimum.

Scale: 1/2" = 1'-0"

(A) Typical

7" max.

1 1/2" max

30°

1/2" radius

(B) Angled nosing

(C) Rounded nosing

3 15/16" max.

3'-6" O.C.

7" max.

3 15/16" max.

11"

30°

1 1/2" max

radius

NOTE:

X is the 12" minimum handrail extension required at each top riser.

Y is the minimum handrail extension of 12" plus the width of one tread that is required at the bottom riser.

NOTE:

12" min.

Y

Less than 27"

6 STAIR HANDRAILS

Scale: 1/2" = 1'-0"

12" min.

X

less than 27"

2 GUARDRAIL / HANDRAIL DETAIL

Scale: 1 1/2" = 1'-0"

3'-6" to nose of tread (38" max.)

3 15/16" max.

2'-6" to nose of tread (38" max.)

3 15/16" max.

2'-10" to nose of tread (38" max.)

3 15/16" max.

TYP.

TYP.

TYP.

NOTE:

Landscape / Irrigation
1. PROVIDE ADDITIONAL FIRE LANE SIGNAGE IF REQUIRED BY FIRE MARSHALL AS OUTLINED BELOW.

2. GATE OPENING - RE: PLAN 1'-2".

3. TENSION WIRE.

4. GATE POSTS.

5. BRACE.

6. CONC. FOOTING AS PER MFRS. RECOMMENDATIONS.

7. DROP BAR w/ SLEEVE.

8. FULCRUM LATCH w/ STRIKE STRAP.

9. WIRE MESH.

10. TOP RAIL.

11. PROVIDE PRIVACY SLATS WHERE CALLED OUT IN PLANS (TYP.).

12. SMOOTH SURFACE KICKPLATE ON PUSH SIDE EXTENDING THE FULL WIDTH OF THE GATE. PARTS創造 HORIZ. OR VERT. JOINTS IN THESE SURFACES SHALL BE WITHING 1/16" OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICKPLATES SHALL BE CAPPED.

AS-108
NOTE 1: DRAWING TO BE REVIEWED BY THE ENGINEER OF RECORD AND APPROVED BY THE CITY OF PORT ARANSAS PUBLIC SAFETY CENTER.

NOTE 2: ALL SCAFFOLDING TO BE ENTERPRISE CLASS LOADING AND STABILITY REQUIREMENTS.

NOTE 3: ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE MFG. INSTALLATION INSTRUCTIONS.

NOTE 4: ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS.

NOTE 5: ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

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### Door Frame Elevations

**Schedules**
- **Door Height:** 2'
- **Door Width:** 1'-6".

**Doors**
- **A108:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **A109:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **A113:** 3'-0" Yes ALUM STO 3 ALUM 4 / A-501 5 / A-501 CARD READER
- **A115:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **A120:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **A108B:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **A120A:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **B131:** 3'-0" x 7'-0" No HM FL 2 HM 7 / A-501 8 / A-501 CARD READER
- **B136:** 3'-0" x 7'-0" No HM FL 2 HM 7 / A-501 8 / A-501 CARD READER
- **C100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **C101:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **C114:** 3'-0" x 7'-0" No HM FL 1 HM 1 / A-501 2 / A-501 CARD READER
- **D100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **E100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **F100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **G100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **H100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **I100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **J100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **K100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **L100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **M100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **N100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **O100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **P100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **Q100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **R100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **S100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **T100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **U100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **V100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **W100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **X100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **Y100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER
- **Z100:** 3'-0" x 7'-0" No HM FL 1 HM 10 / A-501 11 / A-501 CARD READER

### Door Elevations

**STO FL**
General Note: All exterior glass to be Type GL-1

GL-3: 7/8" thick clear glass clad polycarbonate glazing

GL-2: 1/4" thick clear tempered glass

GL-1: 1" thick low-E coated insulated tempered glass

**Window Schedule**

<table>
<thead>
<tr>
<th>Frame</th>
<th>Panel</th>
<th>Material</th>
<th>Width</th>
<th>Height</th>
<th>Facing</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
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<td>L3</td>
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</tbody>
</table>

**General Window Notes:**

Provide manual window shades @ all exterior windows.

**Louver Schedule**

<table>
<thead>
<tr>
<th>Mark</th>
<th>Width</th>
<th>Height</th>
<th>Frame</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
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<tr>
<td>L2</td>
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<tr>
<td>L3</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Frame Materials**

- A: 111 T 210.736.4265
- C: 100
- D: 1220 W. Harrison Ave.
- E: 956.365.4820
- F: 361.854.3101
- T: 956.428.4461
- B: 1220 W. Harrison Ave.
- G: 11/30/23
- H: 416 Starr Street
- I: 8200 W. Interstate 10, Ste. 312
- J: 3700 N. 10th, Suite 205
- K: 2725 Swantner
- L: 12/31/23
- M: 2022
- N: 1440 W. Pinckney St.
- O: 3000 S. Alamo St.
- P: 3300 S. Alamo St.
- Q: 3700 N. 10th, Ste. 312
- R: 8200 W. Interstate 10, Suite 312
- S: 3700 N. 10th, Suite 105
- T: 2022
- U: 3700 N. 10th, Ste. 312
- V: 1210 W. Harrison Ave.
- W: 12/31/23
- X: 3700 N. 10th, Ste. 312
- Y: 2022
- Z: 3700 N. 10th, Ste. 312

**Revit**

- A: 111
- B: 100
- C: 1220 W. Harrison Ave.
- D: 956.365.4820
- E: 361.854.3101
- F: 956.428.4461
- G: 11/30/23
- H: 416 Starr Street
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- X: 3700 N. 10th, Ste. 312
- Y: 2022
- Z: 3700 N. 10th, Ste. 312

**City of Port Aransas Public Safety Center**

Port Aransas, Texas

**Gignac Architects**

416 Starr Street, Corpus Christi, Texas 78401

**San Antonio, Texas 78230**

8200 W. Interstate 10, Ste. 312

**Harlingen, Texas 78550**

1220 W. Harrison Ave.

**Corpus Christi, Texas 78401**

2725 Swantner

**McAllen, Texas 78501**

3700 N. 10th, Suite 205

**Public Safety**

3700 N. 10th, Suite 205
1. All finish materials must meet the flame spread ratings per the building code.

2. Refer to interior elevations for specific material locations.

3. Paint all exposed ductwork, conduit, electrical equipment, etc. to match adjacent surfaces.

4. Paint all non-factory finished exposed metal.

5. Refer to typical flooring transition details for all flooring materials.

6. Flooring transitions at doors should be located under the door in the closed position, unless noted otherwise.

7. Contractor will be responsible for protecting finished flooring surfaces from damage during all construction phases.

8. Provide bullnose trim at transitions from ceramic wall tile to other material, unless noted otherwise.

9. Refer to reflected ceiling plans for ceiling heights.

10. All electrical device covers are to be white unless noted otherwise.

11. Carpet patterns to run parallel to corridor, unless noted otherwise.

12. All hollow metal door frames to be painted to match adjacent wall color.
1. All finish materials must meet the flame spread ratings per the building code.

2. Contractor is to verify all heights of accessories to comply with the building code.

3. Paint all exposed ductwork, conduit, electrical equipment, etc. to match adjacent surfaces.

4. Paint all non-factory finished exposed metal.

5. Refer to typical flooring transition details for all flooring surfaces.

6. Flooring transitions at doors should be located under the door in the closed position, unless noted otherwise.

7. Contractor will be responsible for protecting finished door in the closed position, unless noted otherwise.

8. Provide bullnose trim at transitions from ceramic wall tile flooring surfaces from damage during all construction.

9. Refer to reflected ceiling plans for ceiling heights.

10. All electrical device covers are to be white unless noted otherwise.

11. Carpet patterns to run parallel to corridor, unless noted otherwise.

12. All hollow metal door frames to be painted to match otherwise.
1. ALL FINISH MATERIALS MUST MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. PAINT ALL EXPOSED DUCTWORK, CONDUIT, ELECTRICAL EQUIPMENT, ETC TO MATCH ADJACENT SURFACES.
4. PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
5. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR ALL FLOORING MATERIALS.
6. FLOORING TRANSITIONS AT DOORS SHOULD BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS NOTED OTHERWISE.
7. CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING F INISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
8. PROVIDE BULLNOSE TRIM AT TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL, UNLESS NOTED OTHERWISE.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE UNLESS NOTED OTHERWISE.
11. CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, UNLESS NOTED OTHERWISE.

**KITCHEN EQUIPMENT SCHEDULE**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Date</th>
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<tbody>
<tr>
<td>1</td>
<td>REFRIGERATOR</td>
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</tr>
<tr>
<td>2</td>
<td>FREEZER</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ICE MAKER</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DISHWASHER</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>MICROWAVE</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>36&quot; WIDE RANGE</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>DORM FRIDGE</td>
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</tbody>
</table>

**KITCHEN ELEVATIONS**

INTERIOR ELEVATION - KITCHEN

INTERIOR ELEVATION - KITCHEN

INTERIOR ELEVATION - KITCHEN

INTERIOR ELEVATION - KITCHEN
NOTES:

1. 12"x12", 0.080 INCH THICK ALUM. BLANKS. COVERED w/ 3M DIAMOND GRADE, WHITE, REFLECTIVE SHEETING. LETTERING SHALL BE UPPER CASE, MIN. OF 6" IN HEIGHT w/ 1 1/4" LETTER STROKE, & CUT FROM RED 3M ELECTRO VUT FILM.

2. ALL FONTS SHALL BE TRAFFIC CAD SERIES B OR FHWA SERIES B.

3. ON BLDGS., WHERE THE FIRE DEPARTMENT CONNECTION IS NOT VISIBLE FROM THE FIRE LANE, THE FDC SHALL BE INDICATED BY AN APPROVED SIGN MOUNTED AS DIRECTED BY THE FIRE MARSHAL.

4. SIGN SHALL BE INSTALLED w/ IT'S HORIZONTAL CENTERLINE A MIN. OF 6' ABOVE THE FIRE DEPT. CONNECTION & PROVIDING AN UNOBSTRUCTED VIEW FROM THE FIRE DEPARTMENT ACCESS ROAD, TO INCLUDE CONSIDERATION FOR FUTURE VEGETATIVE GROWTH.

5. NO WATER-BASED ADHESIVES ARE PERMISSIBLE FOR USE IN ANY PART OF THE SIGN. COORDINATE FINAL LOCATION w/ ARCHITECT.

---

NOTES:

1. BULLNOSE CORNERS.

2. SIGN CONSTRUCTION IS 1/8" ACRYLIC CORE w/ LAMINATE FACE.

3. 1/32" RAISED TEXT CHEMICALLY WELDED THROUGH LAMINATE FACE TO ACRYLIC CORE.

4. 1/32" RAISED GRADE 2 BRAILLE TRANSLATION.

5. BULLNOSE CORNER BACKER PLATE IS 0.030" LAMINATE TO MATCH FACE SIGN.

6. DOOR SEQUENCE IS SHOWN ON THE SIGNAGE PLAN.

---

NOTES:

1. 1/4" RADIUS

2. 0.04 RUSTPROOF REFLECTIVE ALUMINUM SURFACE - WHITE COATED (BOTH SIDES)

3. 4" BLACK LETTERS - EXTERIOR GRADE CENTER LINE.

4. ANCHOR & SEALANT COORDINATE FINAL LOCATION w/ ARCHITECT - DOOR SEQUENCE IS SHOWN ON THE SIGNAGE PLAN.
KITCHEN EQUIPMENT SCHEDULE

1. REFRIGERATOR
2. DISHWASHER
3. MICROWAVE
4. KITCHEN报复

FURNITURE / ACCESSORIES LEGEND

1. CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
2. OWNER PROVIDED & INSTALLED
3. DISPLAY WALL
4. WOOD BLOCKING
5. ELECTRIC COMPUTER STAND
6. WALL MOUNTED MONITOR
7. OWNER PROVIDED & INSTALLED
8. OWNER PROVIDE & INSTALLED
9. OWNER PROVIDE & INSTALLED
10. OWNER PROVIDE & INSTALLED
11. OWNER PROVIDE & INSTALLED
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18. OWNER PROVIDE & INSTALLED
19. OWNER PROVIDE & INSTALLED
20. OWNER PROVIDE & INSTALLED

FURNITURE PLAN
SCALE: 1/8" = 1'-0"
WALL SECTIONS
5/18/23
11/30/23
MEZzanine
1ST FLOOR
25
4”
3'-0"
1'0"
1'-0"
4" CONCRETE GLAZED MASONRY UNIT (MORTAR SOLID)
3 5/8", COLD FORMED METAL STUD FRAMING AT 16" O.C. (TYP.)
5/8" GYP. BD.
SOUND ATTENUATION BATTS
ACOUSTICAL CEILING TILE SYSTEM, REFER TO RCP AND FINISH SCHEDULE FOR TYPE
1" MIN. FIRE RETARDENT PLYWOOD SUBFLOOR
NAILER RECESSED INTO CONC. SLAB - COORDINATE w/ STRUCT.
1/4" MAX. - REFER TAS 303.2 OR BEVELED CHANGE IN LEVEL 303.3
FINISH FLOORING
WOOD FLOORING
3/4" FIRE RETARDENT PLYWOOD SUBFLOOR
5 1/2" WALL MOUNTED ALUM. HANDRAILS
3/4" O.D. SUPPORTS
2"x2" MOUNTING PLATE
1 1/2" SIGNED ON
A-305 4" Sim
A-306 6" Sim

4'-8" 14'-8" RE: STRUCT. ROOF MEMBRANE AS SPEC'D.
PRE-FINISHED METAL COPING (TYP.)
3/4" PORTLAND CEMENT PLASTER
5/8" SHEATHING w/ AIR / MOISTURE BARRIER (TYP.)
6", COLD FORMED METAL STUD FRAMING AT 16" O.C. (TYP.)
6" BATT INSULATION (TYP.)
Z CLIPS

ACOUSTICAL CEILING TILE SYSTEM, REFER TO RCP AND FINISH SCHEDULE FOR TYPE 5/8" GYP. BD.
6", COLD FORMED METAL STUD FRAMING AT 16" O.C. (TYP.)
6" BATT INSULATION (TYP.)
Z CLIPS

3/4" PORTLAND CEMENT PLASTER
6" CONCRETE GLAZED MASONRY UNIT (MORTAR SOLID)
CONTRACTOR TO PROVIDE STRUCTURAL SUPPORTS FOR ACCESS LADDER - COORDINATE w/ STRUCT. AS REQ'D.

MEZZANINE
1ST FLOOR

1 1/2" = 1'-0"

ROOF DETAILS

2 RUNG ASSEMBLY DETAIL

ROOF / EQUIPMENT ACCESS LADDER DETAIL (INTERIOR)
EXT. LOUVER HEAD DETAIL

EXT. LOUVER JAMB DETAIL

LOUVER SILL DETAIL
NOTES:
1. REFER TO FOUNDATION PLAN FOR COLUMN, BASEPLATE LOCATIONS.
2. REFER TO DETAIL 2/S2.1P FOR PIER AND PIER CAP SCHEDULE.
3. PLACE BASEPLATES FOR WIND COLUMNS AND DIAGONAL BRACES FLUSH WITH FINISH FLOOR.
4. CRACK CONTROL JOINTS ARE NOTED ON THE PLANS. CONTRACTOR TO COORDINATE CHANGES WITH THE ENGINEER PRIOR TO FORMING FOUNDATION.
5. PLUMBING LINES SHALL NOT BE PLACED IN BOTTOM OF GRADE BEAM TRENCHES.
6. ALL JOINTS TO BE CLEANED AND FILLED WITH SONOLASTIC SL1 (SONNEBORN).
7. ALL CONDUIT GREATER THAN 1 1/2" IN DIAMETER SHALL BE RECESSED TO PROVIDE 1 1/2" CLEAR DISTANCE BETWEEN SLAB REBAR & CONDUIT.
8. DRAIN LINES REQUIRE CUTTING BOTTOM BARS. REFERENCE */S*/.*.
9. PLUMBING LINES SHALL NOT BE PLACED IN GRADE BEAM TRENCHES.
10. PLACE BASEPLATES FOR WIND COLUMNS AND DIAGONAL BRACES FLUSH WITH FINISH FLOOR.
11. REFER TO FOUNDATION PLAN FOR COLUMN, BASEPLATE LOCATIONS.
12. REFER TO DETAIL 2/S2.1P FOR PIER AND PIER CAP SCHEDULE.
ELECTRICAL SITE PLAN NOTES:

1. MINIMUM SITE PERIMETER CIRCUIT SIZE IS #4 UNLESS OTHERWISE NOTED.
2. DISTRIBUTION PANELS MOUNTED IN CEMENT CONCRETE WALLS TO BE DEEP ENOUGH TO ENSURE 2#10, #10 GROUND WIRE CAN BE PLACED IN 1" CAST-IRON CONDUIT, OR ALTERNATIVE METHOD AS APPROPRIATE.
3. OUTDOOR LIGHTING SHALL BE NON-FLASHING AND SHIELDED SUCH THAT THE LIGHT SOURCE (CONICAL SHADE) IS NOT VISIBLE FROM THE PUBLIC ROW OR ADJACENT RESIDENTIAL USES AT THE PROPERTY LINE.
4. OUTDOOR LIGHTING SHALL HAVE GFCI PROTECTION.
5. PROPOSED LOCATION FOR GAS METER. REFER TO P206 FOR CONTINUATION.
6. ALL EXTERIOR 120V RECEPTACLES SHALL BE PROVIDED WITH "WHILE-IN-USE" WEATHERPROOF ENCLOSURE AND DIAMETER "2 1/2" CW".
7. PROVIDE COMMUNICATIONS HANDHOLES.
8. PROVIDE WALL PACK FIXTURES TO CANOPY CONCRETE COLUMNS. ROUTE CABLE.
9. GATE CARD READER / KEYPAD.
10. SECURITY CAMERA TO BE MOUNTED TO LIGHT POLE. SECURITY CAMERA INSTALLATION LOCATION.

PLUMBING KEYED NOTES:

1. 4" SANITARY STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2. 2-1/2" DOMESTIC COLD WATER STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
3. PROPOSED ROUTE FOR UNDERGROUND PRIMARY DUCTBANK TO SERVICE TANK TO BUILDING. REFER TO 2/MEP-201 FOR CONTINUATION.
4. PROPOSED LOCATION OF NEW POWER POLE BY UTILITY COMPANY.
5. PROPOSED LOCATION OF SERVICE TRANSFORMER. PROVIDE PRIMARY AND SECONDARY ROUTING PER POWER COMPANY STANDARDS. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
6. 2-1/2" DOMESTIC COLD WATER FROM POTABLE WATER BREAK DIAMETER "2 1/2" CW".
7. 3" PRIMARY STORM STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
8. 4" ø GENERATOR ENCLOSURE PLAN.
9. 2-1/2" DOMESTIC COLD WATER TO BUILDING. REFER TO 1/MEP-201 FOR CONTINUATION.
10. 2-1/2" DOMESTIC COLD WATER FROM POTABLE WATER BREAK DIAMETER "2 1/2" CW".

SMALL RESIDENTIAL NEEDS SHOWED ON SHEET.

CITY OF PORT ARANSAS
PUBLIC SAFETY
PORT ARANSAS, TEXAS

ROGER M. GINES, LEED AP
PROJECT MANAGER
T 210.736.4265
SAN ANTONIO, TEXAS 78230
8200 W. INTERSTATE 10, STE. 312
MS2 CONSULTING ENGINEERS
T 956.428.4461
HARLINGEN, TEXAS 78550
1220 W. HARRISON AVE.
GREEN, RUBIANO & ASSOCIATES
T 956.686.0100
CORPUS CHRISTI, TEXAS 78404
416 STARR STREET
LANDSCAPE / IRRIGATION
1. MECHANICAL PLAN - AREA A

GENERAL NOTES:
A. DRILL SHEET PLAN COORDINATES TO BE USED FOR COORDINATE WITH TOPO TIN AND JOINT DRILLERS
B. EXHAUST DUCT THROUGH WALL. TERMINATE WITH WALL CAP.
C. LOCATIONS OF AIR DEVICES SHOWN ON THE MECHANICAL PLANS.
D. AIR TERMINAL DEVICES MOUNTED WITH HARDWARE, POLY VINYL COATED WIRE, CONDUIT OR RIGID MOUNTING CONSTRUCTED OF STEEL OR COPPER.-
E. ALL KITCHEN HOOD EXHAUST DUCTWORK AND PORTIONS OF THE HALLWAY HOOD DUCTWORK SHALL BE A MINIMUM OF 5" NPS. "D" TYPE DUCT AND DUCTWORK LINING, INSULATION AND PRESSURE MOUNTED AIR DEVICES.
F. ALL DIFFUSERS SHALL INCLUDE A MEANS OF ACCESS TO MANUAL ADJUSTMENT SIMILAR TO YOUNG REGULATOR BRAND. DEVICE LOCATION WHEN MOUNTING ABOVE AN INACCESSIBLE CEILING. PROVIDE RIGID DUCT.
G. ALL AIR TERMINAL DEVICES MOUNTED WITH HARDWARE, POLY VINYL COATED WIRE, CONDUIT OR RIGID MOUNTING CONSTRUCTED OF STEEL OR COPPER.-
H. PROVIDED NOTES:
1. MECHANICAL PLAN COORDINATES TO BE USED FOR COORDINATE WITH TOPO TIN AND JOINT DRILLERS
2. ALL KITCHEN HOOD EXHAUST DUCTWORK AND PORTIONS OF THE HALLWAY HOOD DUCTWORK SHALL BE A MINIMUM OF 5" NPS. D" TYPE DUCT AND DUCTWORK LINING, INSULATION AND PRESSURE MOUNTED AIR DEVICES.
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CITY OF PORT ARANSAS
PUBLIC SAFETY PORT ARANSAS, TEXAS
NOT TO SCALE M-302

1 TYPICAL SUPPLY, RETURN AND EXHAUST FITTING DETAIL

FLEXIBLE DUCT AND CEILING DIFFUSER DETAIL

FAN POWERED TERMINAL BOX DETAIL

CONDESATE DRAIN TRAP

IN-LINE EXHAUST FAN DETAIL

TRANSFER DUCT DETAIL
9. PROVIDE UNIT WITH DUCT SMOKE DETECTOR.

3. UNIT IS SIZED TO PROVIDE FREEZE PROTECTION ONLY.

MANUFACTURER: MARKEL

WEIGHT (LBS): 36

VOLTS - PHASE: 277-1

THROW (FT): 26

MIN. TOTAL CAPACITY (BTUH): 11,200

MODEL: SP-LP0511-1

SQ: 98-VG

SQ: 120-VG

GRRS: 99-G

MANUFACTURER: GREENHECK

MAX. INLET SONES: 1.5

TYPE: CEILING MOUNTED

SERVICE: REST-ROOM

MARK: EF-1

NOTES: 1, 2, 3, 4, 5, 6, 7, 8

APPROXIMATE OPERATING WEIGHT (LBS): 679

EFFICIENCY: IEER @ AHRI: 10.1

MANUFACTURER: AAON

MIN LEAVING DRY BULB TEMPERATURE (F): 81.1

ELECTRIC HEAT KW/STAGES: 14 / 2

REFRIGERANT TYPE: R410a

MAXIMUM FINS PER INCH: 12

MINIMUM ROWS: 6

LEAVING WET BULB TEMPERATURE (F): 52.94

ENTERING WET BULB TEMPERATURE (F): 69.80

MIN. SENSIBLE CAPACITY (MBH): 54.38

MOTOR SIZE (HP): 2.30 (2)

FAN SPEED (RPM): 2085

SERVES: JAIL WEST WING

OUTDOOR DESIGN

AIR HANDLING UNIT SCHEDULE

SPACE | UNIT | AHU-1 | AHU-2 | AHU-3

1. PROVIDE WITH CONDENSATE PUMP.

2. INSTALL WITH SURFACE MOUNTED PULL STATION.

3. INCLUDE WIRED WALL-MOUNTED CONTROLLER.

4. PROVIDE UNIT WITH AN INTEGRAL DISCONNECT SWITCH.

5. PROVIDE FAN POWERED EH UNITS WITH SINGLE POINT POWER CONNECTION MCA AND MSCP SHOWN AS 'FAN / EH'.

6. PROVIDE UNITS WITH INTEGRAL DISCONNECT SWITCH.

7. CONDENSING UNIT MUST BE RATED FOR HIGH WIND CONDITIONS.

8. PROVIDE LOUVER WITH BIRDSCREEN.

9. PROVIDE UNITS WITH AN INTEGRAL DISCONNECT SWITCH.

MANUFACTURER: GREENHECK

HOOD CONSTRUCTION: 300 SS

HEIGHT (IN): 12.5

WIDTH (IN): 36.0

AIR FLOW (CFM): 300

TYPE: WALL MOUNT

SERVICE: KITCHEN

MARK: H-1

NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9

MANUFACTURER: AAON

COOLING CAPACITY (BTU/h): 22,000

EXT. STATIC PRESSURE (IN.WG.): 1.0

NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9

MANUFACTURER: GREENHECK

WEIGHT (LB): 886

MIN. FREE AREA (SQ.FT.): 53.10

SURFACE FINISH: MILL

PRICE: MODULE 24x24

FINISH: WHITE

MARK: S1

NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9

MANUFACTURER: GREENHECK

WEIGHT (LB): 741

MIN. FREE AREA (SQ.FT.): 45.40

SURFACE FINISH: MILL

PRICE: MODULE 12x12

FINISH: WHITE

MARK: S2

NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9

MANUFACTURER: GREENHECK

WEIGHT (LB): 122

MIN. FREE AREA (SQ.FT.): 7.10

SURFACE FINISH: MILL

PRICE: MODULE 12x12

FINISH: WHITE

MARK: S3

NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9
LIGHTING GENERAL NOTES:

A. ALL FIXTURES ARE TYPE "A1" UNLESS NOTED OTHERWISE.
B. ALL 2x2 FIXTURES ARE TYPE "B1" UNLESS NOTED OTHERWISE.
C. LIGHTING CIRCUIT CONTROLS ARE MANUFACTURED BY LOW-VOLTAGE SINGLE POLE SWITCH.
D. ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN CEILINGS COORDINATE LIGHT LOCATIONS WITH OTHER CEILING ITMS OR LIGHTING CONTROLS SEQUENCE OF OPERATIONS:
E. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED.
F. DIMMER SWITCHES, CEILING MOUNTED DUAL TECH VACANCY DIMMING SWITCHES AND OCCUPANCY SWITCHES ARE MANUFACTURED BY DUAL TECH.
G. CONTRACTOR SHALL INDICATE LIGHTING CIRCUIT CONTROLLED BY EACH SWITCH AND PROVIDE SECONDARY SUPPORT WIRES FROM ALL TWO (2) JOIST ITEMS PRIOR TO INSTALLATION. LIGHT LOCATIONS TAKE THROUGH A LIGHTING CONTACTOR PANEL AND SHALL BE LABELLED LOCATED ON EACH SWITCH BY PROVIDING TYPE WRITTEN LABELING.

LIGHTING CONTROLS SEQUENCE OF OPERATIONS:

ARCHITECTURAL FOR WALL RATINGS. THE CONTRACTOR SHALL COMPLETE THE TASKS BELOW TO VERIFY THE LIGHTING CONTROLS SEQUENCE OF OPERATIONS:

MANUAL ON/VACANCY SENSOR OFF IN 20MINS OR LESS.
PHOTOCELL ON/PHOTOCELL OFF. TIMER SWITCH OFF FROM 6-8AM.
PHOTOCELL ON/PHOTOCELL OFF. TIMER SWITCH OFF FROM 6-8AM.
PHOTOCELL ON/PHOTOCELL OFF. TIMER SWITCH OFF FROM 6-8AM.
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PHOTOCELL ON/PHOTOCELL OFF. TIMER SWITCH OFF FROM 6-8AM.
LIGHTING PLAN GENERAL NOTES:
1. ALL FIXTURES ARE TYPE "B1" UNLESS NOTED OTHERWISE.
2. LIGHTING CIRCUIT NUMBERS ARE INDICATED IN EACH ROOM.
3. DIMMER SWITCH, DUAL TECH VACANCY SENSOR SWITCH IN CORRIDOR.
4. VACANCY SENSOR ON/AUTO-OFF IN 20MINS OR LESS.
5. MANUFACTURER'S MEDIAN SETUP COMPLIES WITH THE DRAWN CONFIGURATION.
6. LINE ALL MOUNTED EQUIPMENT IS CENTERED IN THE CEILING TILE.
7. PROVIDE UNSWITCHED POWER TO ALL EXIT SIGNS FROM EMERGENCY PANEL.
8. PROVIDE GENERATOR TRANSFER DEVICE (GTD) FOR THE APPROPRIATE FLOOR PLAN.
9. REFER TO RESPECTIVE SIDE OF THE BOUNDARY MATCHLINE.
10. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS.

LIGHTING CONTROLS SEQUENCE OF OPERATIONS:
- TIME SWITCH SHALL RETAIN ITS PROGRAMMING AND TIME SETTINGS DURING A POWER INTERRUPTION FOR AT LEAST 10 HOURS.
- EMERGENCY FIXTURES SHALL FUNCTION AS "NIGHT LIGHTS".
- FIXTURES ARE DIMMED AS INDICATED IN THE DRAWINGS.
- DEVICE STATUS INDICATORS ARE FUNCTIONING, LOCATION AND AIMING ARE SET PER CONTRACTORS INSTRUCTIONS.
- MOVEMENT OUTSIDE OF THE SPACE DOES NOT CAUSE UNNECESSARY OPERATION.
- TIME DELAYS ARE SET APPROPRIATELY, AND FIXTURES ARE SWITCHED OR DIMMED AS INDICATED.

LIGHTING CONTROLS LEGEND:
- KEYSwitch
- VACANCY SWITCH BALL, STEEL, AUTODIM/LIGHT CAPABILITIES
- VACANCY SWITCH BALL, STEEL, MANUAL/LIGHT CAPABILITIES
- VACANCY SWITCH BALL, STEEL, MANUAL/DIMMING
- DIMMER SWITCH BALL, STEEL, DIMMABLE LIGHT CAPABILITIES
- DIMMER SWITCH BALL, STEEL, VACANCY DIMMING
- LDL INSTALLED BALL, STEEL, VACANCY DIMMING
- LDL INSTALLED BALL, STEEL, DIMMABLE LIGHT CAPABILITIES
- LDL INSTALLED BALL, STEEL, AUTO-ON/AUTO-OFF LIGHT CAPABILITIES
- LDL INSTALLED BALL, STEEL, VACANCY DIMMING

LIGHTING PLAN - MEZZANINE
POWER PLAN GENERAL

NOTES:

A. ALL OTHER PLANT WORK MUST BE CORRECTLY AND
   ACCURATELY PLANNED FOR ALL SYSTEMS.

B. PROVIDE GFI BREAKER.

C. WATER-PROOF LOW VOLTAGE JUNCTION BOX
   3/4" CONDUIT.

D. PROVIDE #10 AWG MIN NEUTRAL FOR ALL MULTI-WIRE
   3/4" CONDUIT.

E. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE
   DETECTORS. MOUNT ADJACENT TO EACH OTHER.

F. PROVIDE GFI RECEPTACLES WITHIN 6' OF ALL SINKS,
   TOILET ROOMS AND LOCKER ROOMS.

G. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR RISER
   CONDUIT.

H. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE
   DETECTORS. MOUNT ADJACENT TO EACH OTHER.

I. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED
   FIRE DAMPERS AND VAV'S. NO EXCEPTIONS.

J. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR RISER
   CONDUIT.

K. PROVIDE TAMPER PROOF RECEPTACLES FOR ALL
   OUTDOOR STOR. 1-1/4" CONDUIT WITH PULL STRING TO
   @ 24" AFF FOR SATALITE CABLE. VERIFY FROM EQUIPMENT
   LOCATIONS, NOT TO BE LOCATED BEHIND DRAWERS OR
   HIDDEN IN MILLWORK AND COUNTERS.

L. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE
   DETECTORS. MOUNT ADJACENT TO EACH OTHER.

M. PROVIDE #10 AWG MIN NEUTRAL FOR ALL MULTI-WIRE
   3/4" CONDUIT.

N. PROVIDE #12 GROUND IN MULTIPLE DEVICES ARE TOGETHER,
   STACK BUT NO MORE THAN 4 VAV 3 OR 1 #12 GROUND IN
   MULTIPLE DEVICES ARE TOGETHER, STACK BUT NO MORE
   THAN 4 VAV 3 OR 1 #12 GROUND IN MULTIPLE DEVICES
   ARE TOGETHER, STACK BUT NO MORE THAN 4 VAV 3 OR 1 #12
   GROUND IN MULTIPLE DEVICES ARE TOGETHER, STACK BUT
   NO MORE THAN 4 VAV 3 OR 1 #12 GROUND IN MULTIPLE
   DEVICES ARE TOGETHER, STACK BUT NO MORE THAN 4 VAV
   3 OR 1 #12 GROUND IN MULTIPLE DEVICES ARE TOGETHER,
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   IN MULTIPLE DEVICES ARE TOGETHER, STACK BUT NO
   MORE THAN 4 VAV 3 OR 1 #12 GROUND IN MULTIPLE
   DEVICES ARE TOGETHER, STACK BUT NO MORE THAN 4 VAV
   3 OR 1 #12 GROUND IN MULTIPLE DEVICES ARE TOGETHER,
POWER PLAN GENERAL

NOTES:

A. SEE ALL OTHER PLANS FOR ADDITIONAL DEVICES.
B. SOME POWER CIRCUITING MAY BE ON OTHER PLANS.
C. COORDINATE THE LOCATIONS OF DATA/CATV JACKS WITH THE RECEPTACLES. MOUNT ADJACENT TO EACH OTHER.
D. PROVIDE #10 AWG MIN NEUTRAL FOR ALL MULTIWIRE BRANCH CIRCUITS AND PROVIDE HANDLE TIES FOR CIRCUIT BREAKERS AS REQUIRED BY NEC 210.4
E. COORDINATE RECEPTACLE LOCATIONS WITH MILLWORK AND COUNTERS. DO NOT LOCATE RECEPTACLES BEHIND DRAWERS OR HIDDEN IN MILLWORK UNLESS SPECIFICALLY DIRECTED BY OWNER/ARCHITECT. REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO RECEPTACLE ROUGH-INS. SEE ARCH. ELEVATIONS IN BREAKROOMS FOR APPLIANCES AND RECEPTACLE MOUNTING LOCATIONS.
F. PROVIDE GFI RECEPTACLES WITHIN 6' OF ALL SINKS, AND AT ALL ROOFTOP RECEPTACLES, KITCHEN RECEPTACLES, BATHROOM/TOILET ROOMS, EXTERIOR RECEPTACLES, UNDERCOUNTER EQUIPMENT, AND ALL RECEPTACLES SERVING DRINKING FOUNTAINS.
G. ALL EQUIPMENT SHALL HAVE A LOCAL DISCONNECTING MEANS, EITHER CORDED PLUG AND RECEPTACLE OR SWITCHED DISCONNECT. VERIFY FROM EQUIPMENT SUBMITTED OR RELOCATED IF DIRECT CONNECT OR RECEPTACLE. IF DIRECT CONNECT, PROVIDE SWITCH AS PER NEC OTHERWISE, PROVIDE RECEPTACLE, CORD PLUG AS REQUIRED BY EQUIPMENT SUBMITTAL.
H. PROVIDE INDIVIDUAL DISCONNECTS FOR ALL SMOKE FIRE DAMPERS AND VAV'S. NO EXCEPTIONS.
I. FIRESTOP ALL CONDUIT PENETRATIONS IN RATED WALLS. SEE ARCHITECTURAL FOR WALL RATINGS.
J. PROVIDE FIRE RATED SLEEVES IN ALL FLOOR PENETRATIONS.
K. ALL ISOLATED GROUND RECEPTACLES SHALL BE ORANGE IN COLOR AND HAVE ISOLATED GROUND FEEDER IG0020.
L. PROVIDE TAMPER PROOF RECEPTACLES FOR ALL TOILET ROOMS AND LOCKER ROOMS.

ELECTRICAL MECHANICAL POWER PLAN - MEZZANINE
1. THE LISTED FIXTURES ARE THE BASIS OF DESIGN AND LAYOUTS. ALL SUBSTITUTIONS SHALL BE
   APPROVED IN WRITING.

2. FIXTURES INDICATED WITH SUBSCRIPT 'E' SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY
   LIGHTING SYSTEM.

3. FIXTURES INDICATED WITH SUBSCRIPT 'H' SHALL BE PROVIDED WITH AN INTEGRAL HUMIDITY
   Sensor.

4. VERIFY FINAL MOUNTING HEIGHT FOR ALL WALL SCONCES AND PENDANTS WITH OWNER/ARCHITECT.

5. COORDINATE FINAL LOCATION WITH STRUCTURAL JOISTS, DUCTWORK AND CEILING/WALL MOUNTED
   FIXTURES.

6. CONNECT TO INDOOR UNIT.

AHU-1 AIR HANDLING UNIT 2.3 MEZZANINE 19.0 A 24.0 A 25 A
H M 2,4,6 480 V/3-15778 VA W/UNIT 30A-3P NEMA1

AHU-3 AIR HANDLING UNIT (2) 2 MEZZANINE 5.0 A 20.0 A 15 A HM 14,16,18 480 V/3-4152 VA W/UNIT 30A-3P NEMA1

MSCU-02 MINI-SPLIT CONDENSING UNIT MEZZANINE 7.4 A 10.0 A 15 A LB 5,7 208 V/2-1539 VA W/UNIT 30A-2P NEMA3R

WM-1 WASHING MACHINE FIRST FLOOR 11.0 A 20.0 A 15 A LA 33, 35 208 V/2-2288 VA W/UNIT 30A-2P NEMA1

VAV 3-15 FAN POWERED VAV 1/3 FIRST FLOOR 11.4 A 16.3 A 20 A HM 46 277 V/1-3158 VA W/UNIT W/UNIT 12 0.5

VAV 3-12 FAN POWERED VAV 1/3 FIRST FLOOR 5.6 A 9.5 A 15 A HM 40 277 V/1-1551 VA W/UNIT W/UNIT 12 0.5

VAV 3-10 FAN POWERED VAV 1/3 FIRST FLOOR 13.5 A 19.5 A 20 A HM 55,57,59 480 V/3-11210 VA W/UNIT W/UNIT 12 0.5

VAV 3-8 FAN POWERED VAV 1/3 FIRST FLOOR 5.6 A 9.5 A 15 A HM 51 277 V/1-1551 VA W/UNIT W/UNIT 12 0.5

VAV 3-6 FAN POWERED VAV 1/3 FIRST FLOOR 5.6 A 9.5 A 15 A HM 47 277 V/1-1551 VA W/UNIT W/UNIT 12 0.5

VAV 3-5 FAN POWERED VAV 1/3 FIRST FLOOR 16.6 A 23.0 A 25 A HM 45 277 V/1-4598 VA W/UNIT W/UNIT 10 0.75

VAV 2-14 FAN POWERED VAV 1/3 FIRST FLOOR 11.6 A 16.0 A 20 A HM 31,33,35 480 V/3-9633 VA W/UNIT W/UNIT 12 0.5

VAV 2-12 FAN POWERED VAV 1/3 FIRST FLOOR 9.3 A 14.0 A 15 A HM 27 277 V/1-2576 VA W/UNIT W/UNIT 12 0.5

VAV 2-11 FAN POWERED VAV 1/3 FIRST FLOOR 11.4 A 16.3 A 20 A HM 25 277 V/1-3158 VA W/UNIT W/UNIT 12 0.5

VAV 2-10 FAN POWERED VAV 1/3 FIRST FLOOR 5.6 A 9.5 A 15 A HM 23 277 V/1-1551 VA W/UNIT W/UNIT 12 0.5

VAV 2-3 FAN POWERED VAV 1/3 FIRST FLOOR 13.5 A 18.5 A 20 A HM 5 277 V/1-3740 VA W/UNIT W/UNIT 12 0.5

VAV 2-2 FAN POWERED VAV 1/3 FIRST FLOOR 13.4 A 18.5 A 20 A HM 3 277 V/1-3712 VA W/UNIT W/UNIT 12 0.5

VAV 2-1 FAN POWERED VAV 1/3 FIRST FLOOR 7.5 A 11.8 A 15 A HM 1 277 V/1-2078 VA W/UNIT W/UNIT 12 0.5

MS-2 MINI-SPLIT INDOOR UNIT MECHANICAL PLAN - AREA A 0.0 A 20.0 A 0 A 208 V/2-0 VA W/UNIT 12 0.5
CONNECT TO OUTDOOR UNIT.

MS-1 MINI-SPLIT INDOOR UNIT FIRST FLOOR 0.0 A 20.0 A 0 A LB 1,3 208 V/2-0 VA W/UNIT 12 0.5
CONNECT TO OUTDOOR UNIT.

MPS-1 MOTORIZED PROJECTION SCREEN FIRST FLOOR 11.0 A 20.0 A 15 A 208 V/2-2288 VA W/UNIT 12 0.5
INSTALL CONTROLS PROVIDED WITH UNIT.

BLS-1 BACKLIT SIGN GRADE 10.0 A 20.0 A 20 A LA 43 120 V/1-1200 VA 12 0.5
LED LIGHTS AND DRIVER PROVIDED BY OTHERS. ROUTE CIRCUIT THROUGH LIGHTING RELAY PANEL WITH PHOTOCELL CONTROL AND TIMECLOCK.

EF-5 EXHAUST FAN 1/2 MEZZANINE 4.0 A 20.0 A 15 A LA 17,19 208 V/2-832 VA MRTS MRTS 12 0.5

EEW-1 EMERGENCY EYE WASH GRADE 16.0 A 20.0 A 20 A LA 41 120 V/1-1920 VA W/UNIT W/UNIT 12 0.5
HEAT TRACE CIRCUIT FOR EYE WASH STATION. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DWE-1 DUMBWAITER ELEVATOR FIRST FLOOR 16.0 A 20.0 A 0 A LA 39 120 V/1-1920 VA W/UNIT 30A-1P NEMA1
12 0.5

LIGHT FIXTURE SCHEDULE

- COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH RESPECTIVE TRADES & SUBMITTALS/SHOP DRAWINGS PRIOR TO ROUGH-IN.

- MOUNTING HEIGHT IN FIELD.

- WITHIN SIGHT OF THE FIXTURES. ARCHITECT SHALL APPROVE FINAL LOCATIONS OF TEST SWITCHES.

- ALL NECESSARY REINFORCEMENT & REBAR TO BE PROVIDED, BONDED TO POLE BASE USING #6SDB COPPER.

- 5/8" x 8'-0" COPPER CLAD GROUND ROD.

- CHAMFERED EDGE

- CONCRETE FOOTING

- 40 PVC AT 2'-0" PAST 24" BELOW FINISHED PAVEMENT

- 12" = 1'-0" E-501

- LIGHT FIXTURE CONTROL

- TEST SWITCH

- DISCONNECT

- NEW RELAY

NOTE: CONNECTION DETAIL APPLIES UNLESS OTHERWISE NOTED.
## Panel Schedules

### Panelboard HM

<table>
<thead>
<tr>
<th>Load (VA)</th>
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<th>Description</th>
<th>Type</th>
<th>L oad (VA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>480/277 Wye Volt, 3 Phase, 4 Wire Mains</td>
<td>Type: 400 A MLO X Single Mounting</td>
<td>-- 0 VA --</td>
<td>SPARE 20 A</td>
<td>59 60 20 A SPARE</td>
<td>-- 0 VA</td>
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</thead>
<tbody>
<tr>
<td>220.60 (F) Fans</td>
<td>220.5 (MT) Lrg. Motor</td>
<td>115 126 VA</td>
<td>221.65%</td>
<td>126 221 VA</td>
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<tbody>
<tr>
<td>220.44 (R) Receptacle</td>
<td>827 46 VA</td>
<td>56.05%</td>
<td>46 72 VA</td>
<td>210.20(a) (L) Lighting</td>
<td>374 46 VA</td>
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<tbody>
<tr>
<td>3162 VA CMSCU-01 - MEZZANINE</td>
<td>30 A 12 20 A RCPT - DATA RACK - B129</td>
<td>4400 VA</td>
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<tbody>
<tr>
<td>1920 VA MT GO-2 - Exterior</td>
<td>40 A 53 54 20 A SPARE -- 0 VA --</td>
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<tbody>
<tr>
<td>16640 VA</td>
<td>RVP-1 - EXTERIOR</td>
<td>100 A 55 56 20 A SPARE -- 0 VA --</td>
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<tbody>
<tr>
<td>2288 VA</td>
<td>M WM-1 - B124</td>
<td>15 A 33 34 20 A SPARE -- 0 VA --</td>
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<tbody>
<tr>
<td>360 VA</td>
<td>R RCPT - COUNTER - C117</td>
<td>20 A 57 58 20 A RCPT - DISHWASHER - C100 K</td>
<td>180 VA</td>
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<tr>
<td>238 VA</td>
<td>M EF-4 - D100</td>
<td>15 A 13 14 20 A RCPT - 123, C106, EXTERIOR</td>
<td>540 VA</td>
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<tbody>
<tr>
<td>720 VA</td>
<td>R RCPT - A117, A120</td>
<td>20 A 25 26 20 A RCPT - TVS - A108 R</td>
<td>360 VA</td>
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<tbody>
<tr>
<td>11719 VA</td>
<td>4400 VA R RCPT - DATA RACK - B129</td>
<td>30 A 29 30 20 A SPARE -- 0 VA --</td>
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<td>20 A 39 40 20 A RCPT - B136 R</td>
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</table>
GENERAL FIRE ALARM NOTES:

• IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS TO REQUIRE A FIRE DETECTION AND ALARM SYSTEM IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS. IN ACCORDANCE WITH THE TEXAS BOARD OF PROFESSIONAL ENGINEERS, POLICY ADVISORY APPROVED APRIL 22, 2004: "PLANNING OF FIRE ALARM SYSTEMS". THE SYSTEM IS SPECIFIED IN WRITING BY PERFORMANCE SPECIFICATION. THE PRESCRIPTIVE CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THE PROJECT ARE CONTAINED IN THE CONSTRUCTION SPECIFICATIONS.

• THE SYSTEM PROVIDER (CONTRACTOR/INSTALLER):
  A. MUST BE LICENSED BY THE STATE OF TEXAS AS "FIRE ALARM PLANNING SUPERINTENDENT" AND A CERTIFIED NICET LEVEL III (MINIMUM). TECHNICIAN;
  B. IS RESPONSIBLE FOR THE PLANNING, DESIGN, INSTALLATION, TESTING AND CERTIFICATION OF THE SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS;
  C. IS RESPONSIBLE FOR COORDINATING THE DESIGN, PLANNING AND INSTALLATION OF THE SYSTEM WITH THE WORK OF THE CONTRACT AND FOR PROVIDING THE LABOR, EQUIPMENT, MATERIALS, HARDWARE AND SOFTWARE REQUIRED TO COMPLY WITH AND PERFORM THE FUNCTIONS REQUIRED BY THE APPLICABLE CODES, ORDINANCES AND REGULATIONS AND THE SPECIFICATIONS; AND
  D. IS RESPONSIBLE FOR EXAMINING THE CONSTRUCTION SPECIFICATIONS AND CONSTRUCTION DRAWINGS TO DETERMINE THE CHARACTERISTICS, QUANTITY AND LOCATION OF THE EQUIPMENT, SYSTEMS, DEVICES AND APPLIANCES REQUIRED TO BE SUPERVISED, MONITORED AND CONTROLLED BY THE FIRE ALARM SYSTEM.

• REVIEW THE DRAWINGS AND SPECIFICATIONS FOR IDENTIFICATION AND DESCRIPTION OF SYSTEM EQUIPMENT, COMPONENTS, MATERIALS, DEVICES, APPLIANCES AND FUNCTIONS REQUIRED BY THESE DOCUMENTS AND NOT REQUIRED BY APPLICABLE CODES. INCLUDE IN THE DESIGN, PLANNING, INSTALLATION, TESTING AND CERTIFICATION OF THE SYSTEM AS IF SO REQUIRED.

• MAKE SUBMISSION OF INSTALLATION DRAWINGS AND OBTAIN PERMITS AND INSPECTIONS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

FOR COORDINATION ONLY

FA-102
GENERAL FIRE PROTECTION NOTES:

A. THE FIRE PROTECTION SYSTEM DOES NOT INCLUDE ANY FIRE PROTECTION IN THE PARKING GARAGES AND OTHER的心情系.

B. ALL ABOVE-FLOOR WALKWAYS, BALKANS, AND OTHER OPEN AREAS SHALL BE SEPARATED FROM THE ENCLOSURE WITH FIRE-SUPPRESSED FLOOR-JAMBS AND OTHER APPROPRIATE SEPARATING MEASURES.

C. CONCEALED SPRINKLER HEADS SHALL BE INSTALLED IN THE CENTER OF THE CEILING TILES.

D. THE SPRINKLER SYSTEM SHALL PROTECT THE WALLS, FLOORS, AND Ceilings.

E. THERE SHALL BE NO EXPOSED SPRINKLER PIPING IN THE DETOX AREAS.

FIRE PROTECTION REVIEWS NOTED:

1. IMMEDIATE REVIEW SHALT BE MADE TO RECOMMEND FOR IMPLEMENTATION.

2. PROPOSAL FOR MEDICAL REVIEW HAS BEEN RECOMMENDED.

3. PROPOSAL FOR MEDICAL REVIEW HAS BEEN RECOMMENDED.

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6. PROPOSAL FOR MEDICAL REVIEW HAS BEEN RECOMMENDED.

7. PROPOSAL FOR MEDICAL REVIEW HAS BEEN RECOMMENDED.
GENERAL PLUMBING NOTES:
1. ALL PLUMBING WORK TO BE INSTALLED IN COMPLIANCE WITH LOCAL CODES AND AMENDMENTS.
2. ALL PLUMBING WORK TO BE INSTALLED SO AS TO AVOID CONFLICT WITH THE WORK OF OTHER TRADES. COORDINATE WITH MECHANICAL, ELECTRICAL AND STRUCTURAL FOR PROPER CLEARANCES.
3. PROVIDE SLEEVE ALL OUTSIDE WALLS, FOUNDATION GRADE BEAMS, INTERIOR WALL PENETRATIONS, AND FIRE SEAL ALL PENETRATIONS THROUGH FIRE WALLS AND FLOOR.
4. PROVIDE SHOCK ARRESTORS AS INDICATED ON THE DRAWINGS.
5. PROVIDE TRAP SEAL DEVICE FOR DRAINS NOT RECEIVING WATER FROM MECHANICAL TRAP PRIMER.
6. STRUCTURAL UNDERFLOOR SHOWN FOR COORDINATION ONLY.

PLUMBING SYSTEM NOTES:
1. STUB-OUTS TO BE EXECUTED TO SUIT MECHANICAL CONTINUATION.
2. TRAP PRIMER TUBING CAST IN THE SLAB WITHOUT JOINTS.
3. PROVIDE MINIMUM 20 FEET OF SEPARATION BETWEEN HVAC INTAKES AND VENT THROUGH ROOFS.
4. PROVIDE TRAP PRIMER TUBING USED IN THE SLAB WITHOUT JOINTS.
GENERAL PLUMBING NOTES:
1. ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL CODES AND AMENDMENTS.
2. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH THE WORK OF OTHER TRADES. COORDINATE WITH MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR PROPER CLEARANCES.
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6. PROVIDE TRAP SEAL DEVICE FOR DRAINS NOT RECEIVING WATER FROM MECHANICAL TRAP PRIMER.
7. STRUCTURAL UNDERFLOOR SHOWN FOR COORDINATION ONLY.

PLUMBING HOTTED ROUTES:
1. 2-1/2" DOMESTIC COLD WATER FROM BREAK TANK. REFER TO MEP SITE PLAN FOR STUB-OUT LOCATION.
2. 6" FIRE STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
3. 6" PRIMARY STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
4. PROVIDE SURESEAL TRAP SEAL DEVICE.

PLUMBING UNDERFLOOR PLAN - AREA C

DESIGN:

- CITY OF PORT ARANSAS
- PUBLIC SAFETY
- PORT ARANSAS, TEXAS

PLUMBING KEYED NOTES:
1. 2-1/2" DOMESTIC COLD WATER FROM BREAK TANK. REFER TO MEP SITE PLAN FOR STUB-OUT LOCATION.
2. 6" FIRE STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
3. 6" PRIMARY STUB-OUT. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
4. PROVIDE SURESEAL TRAP SEAL DEVICE.
GENERAL PLUMBING NOTES:
1. All plumbing work shall be installed in compliance with applicable codes and standards.
2. All plumbing work shall be installed so as to avoid conflict with the work of other trades.
3. Coordinate with electrical and mechanical systems for proper clearances.
4. Sleeve all outside walls, foundation grade beams, interior wall penetrations, and fire seal all penetrations through firewalls and floors.
5. Provide minimum 20 feet of separation between HVAC intakes and vent through roofs.
6. Provide shock arrestors as indicated on the drawings.
7. Provide trap seal devices for drains not receiving water from mechanical, electrical, or other sources.

PLUMBING RECIPE S:
1. 1-1/2" VENT THROUGH ROOF.
2. 3" VENT THROUGH ROOF.
3. 4" VENT THROUGH ROOF SERVING COMBINATION WASTE AND VENT SYSTEM.
4. 6" PRIMARY STORM DRAIN DOWN TO BELOW FINISHED FLOOR.
5. 6" STORM DRAIN OVERFLOW TO DAYLIGHT.
6. 2" CONDENSATE FROM ROOFTOP RECEPTOR DOWN TO BELOW FINISHED FLOOR.
7. PROVIDE TYPE "B" SHOCK ARRESTOR.
PLUMBING PLAN - AREA D

GENERAL PLUMBING NOTES:
1. ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH LOCAL CODES AND AMENDMENTS.
2. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH THE WORK OF OTHER TRADES. COORDINATE WITH MECHANICAL, ELECTRICAL AND STRUCTURAL FOR PROPER CLEARANCES.
3. SLEEVE ALL OUTSIDE WALLS, FOUNDATION GRADE BEAMS, INTERIOR WALL PENETRATIONS, AND FIRE SEAL ALL PENETRATIONS THROUGH FIRE WALLS AND FLOOR.
4. PROVIDE MINIMUM 20 FEET OF SEPARATION BETWEEN HVAC INTAKES AND VENT THROUGH ROOFS.
5. PROVIDE TRAP SEAL DEVICE FOR DRAINS NOT RECEIVING WATER FROM MECHANICAL TRAP PRIMERS.

PLUMBING WORKED NOTES:
1. 1-1/2" HOT WATER UP FROM FIRST FLOOR TO SERVE WATER HEATER.
2. 2" COLD WATER UP FROM FIRST FLOOR.
3. 1-1/2" HOT WATER SUPPLY DOWN TO FIRST FLOOR.
4. 3/4" HOT WATER RETURN UP FROM FIRST FLOOR.
5. 1-1/2" VENT THROUGH ROOF.
6. 2" VENT THROUGH ROOF.
7. 3" VENT THROUGH ROOF.
8. COLD WATER SUPPLY DOWN TO SERVE SECURITY FIXTURES.
9. HOT WATER SUPPLY DOWN TO SERVE SECURITY FIXTURES.
10. PROVIDE TYPE "C" SHOCK ARRESTOR.
11. ELECTRIC TRAP PRIMER DISTRIBUTION BOX.
12. 3/4" CONDENSATE PUMPED FROM FIRST FLOOR.
13. ANCHOR EXPOSED PIPING TO WALL. SHOWN OFFSET FOR CLARITY.
14. 1-1/4" GAS FROM FIRST FLOOR TO SERVE WATER HEATER. REFER TO P-206 FOR GAS PIPE DIAGRAM.

PLUMBING KEYED NOTES:
1. PROVIDE ELECTRICAL TRAP PRIMERS FOR SECURITY FIXTURES.
2. PROVIDE AUTOMATIC SHOCK ARRESTORS FOR ALL TRAP PRIMERS.
3. PROVIDE MECHANICAL TRAP PRIMERS FOR SECURITY FIXTURES.
4. PROVIDE AUTOMATIC SHOCK ARRESTORS FOR SECURITY FIXTURES.

PLUMBING PLAN - MEZZANINE

Sheet Title: PLUMBING PLAN - MEZZANINE

Revision Date: 05/18/2023
GAS PIPING SCHEMATIC

1800 C.F.H. @ 111°
1-1/4" @ 7" W.C.

FUTURE GAS RANGE

1450 C.F.H. @ 20°
3/4" @ 7" W.C.

2000 C.F.H. @ 111°
1-1/4" @ 7" W.C.

3450 C.F.H. @ 111°
1-1/4" @ 7" W.C.

REGULATOR & SHUTOFF
VALVE BY UTILITY COMPANY

FINISHED GRADE

NEW GAS METER
TOTAL 1800 C.F.H.
PRESSURE: 7" W.C.

GAS PIPE DIAGRAM
**PLUMBING FIXTURE CONNECTION SCHEDULE**

<table>
<thead>
<tr>
<th>Fixture Type</th>
<th>Location</th>
<th>Description</th>
<th>Pressure (PSI)</th>
<th>Temperature (°F)</th>
<th>Connections</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sink</td>
<td>Location 1</td>
<td>Washbasin, Wall-Mounted, Stainless Steel</td>
<td>60</td>
<td>120</td>
<td>1/2&quot; - 2&quot;</td>
<td>ADA, Mixing Valve</td>
</tr>
<tr>
<td>Shower</td>
<td>Location 2</td>
<td>1/2&quot; - 1&quot;</td>
<td>70</td>
<td>120</td>
<td>1/2&quot; - 1&quot;</td>
<td>ADA, Mixing Valve</td>
</tr>
<tr>
<td>Toilet</td>
<td>Location 3</td>
<td>Floor Mounted, Stainless Steel</td>
<td>50</td>
<td>120</td>
<td>2&quot;</td>
<td>ADA, Mixing Valve</td>
</tr>
<tr>
<td>Cabinet Sink</td>
<td>Location 4</td>
<td>Single Compartment, Stainless Steel</td>
<td>40</td>
<td>120</td>
<td>2&quot;</td>
<td>ADA, Mixing Valve</td>
</tr>
</tbody>
</table>

**WATER HEATER SCHEDULE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (GPM)</th>
<th>Temperature (°F)</th>
<th>Fuel Type</th>
<th>CFH</th>
<th>HP</th>
<th>Volts/Ph</th>
<th>KW</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>MV-1</td>
<td>5.0</td>
<td>120</td>
<td>Gas</td>
<td>60</td>
<td>10</td>
<td>200</td>
<td>10</td>
<td>None</td>
</tr>
<tr>
<td>ET-1</td>
<td>15.0</td>
<td>120</td>
<td>Gas</td>
<td>60</td>
<td>25</td>
<td>300</td>
<td>35</td>
<td>None</td>
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</table>

**EXPANSION TANK SCHEDULE**

<table>
<thead>
<tr>
<th>Size</th>
<th>Location</th>
<th>Connections</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>Location 1</td>
<td>3&quot; - 2&quot;</td>
<td>Expansion Tank (ET-1)</td>
</tr>
</tbody>
</table>

**MIXING VALVE SCHEDULE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MV-1</td>
<td>Location 1</td>
<td>3&quot; - 2&quot;</td>
<td>Mixing Valve (Type)</td>
</tr>
<tr>
<td>ET-1</td>
<td>Location 2</td>
<td>3&quot; - 2&quot;</td>
<td>Mixing Valve (Type)</td>
</tr>
</tbody>
</table>

**REGULATING PUMP SCHEDULE**

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</tr>
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<tbody>
<tr>
<td>MV-1</td>
<td>Location 1</td>
<td>3&quot; - 2&quot;</td>
<td>Regulating Pump (RCP-1)</td>
</tr>
</tbody>
</table>

**SHOCK ARRESTER SCHEDULE**

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<tbody>
<tr>
<td>MV-1</td>
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<td>3&quot; - 2&quot;</td>
<td>Shock Arrester (SA-1)</td>
</tr>
</tbody>
</table>

**DOMESTIC WATER PRESSURE BOOSTER SYSTEM**

<table>
<thead>
<tr>
<th>Model</th>
<th>Location</th>
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</tr>
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<tbody>
<tr>
<td>MV-1</td>
<td>Location 1</td>
<td>3&quot; - 2&quot;</td>
<td>Domestic Water Pressure Booster System (DWPBS-1)</td>
</tr>
</tbody>
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