November 14, 2014

BOARD OF COUNTY COMMISSIONERS ORANGE COUNTY, FLORIDA ADDENDUM NO. 2 / IFB Y15-721-EZ

Bid Opening Date: November 25, 2014

ORANGE COUNTY CLARCONA HORSEMEN'S PARK KITCHEN AND REC BUILDING HVAC REPLACEMENT

This Addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Additions are indicated by <u>underlining</u>, deletions are indicated by <u>strikethrough</u>.

A. The following additions, deletions, and clarifications are provided herewith and incorporated into this IFB:

- **1.** The following drawings, have been revised, with changes noted:
 - a. DRAWING SHEET NO. AD100 PHOTOS OF EXISTING CONDITIONS
 - (1) Revise photos and hex notes to remove restroom scope from the project.
 - b. DRAWING SHEET NO. AD101 FLOOR PLAN DEMOLITION -ARCHITECTURAL
 - (1) Revise Hex Notes 1, 4, and 5.
 - c. DRAWING SHEET NO. AD102 REFLECTED CEILING PLAN DEMOLITION ARCHITECTURAL
 - (1) Revise Hex Notes 1, 4, and 5.
 - (2) Revise notes for demolition of existing ceiling devices.
 - d. DRAWING SHEET NO. AD201 EXTERIOR ELEVATIONS DEMOLITION
 (1) Revise Hex Notes 1, 4, and 5.
 - e. DRAWING SHEET NO. A101 FLOOR PLAN RENOVATION -ARCHITECTURAL
 - (1) Revise Hex Notes 1, 4, and 5.
 - f. DRAWING SHEET NO. A102 REFLECTED CEILING PLAN RENOVATION ARCHITECTURAL
 - (1) Revise Hex Notes 1, 4, and 5.
 - (2) Revise notes for demolition of existing ceiling devices.
 - g. DRAWING SHEET NO. A103 ROOF PLAN RENOVATION -ARCHITECTURAL
 - (1) Revise Hex Notes 1, 4, and 5.
 - (2) Revise notes for demolition of existing ceiling devices.

- h. DRAWING SHEET NO. A201 EXTERIOR ELEVATIONS (1) Revise Hex Notes 1, 4, and 5.
- i. DRAWING SHEET NO. A401 SECTION AND INTERIOR ELEVATION
 - (1) Revise Hex Notes 1, 4, and 5.
 - (2) Revise notes.
- j. DRAWING SHEET NO. A402 DETAILS
 - (1) Revise Details 1, 6, and 7.
 - (2) Added comment "Provide top rail at all fencing (Typical)" to details 4/A402 and 7/A402.
 - (3) Added comment "Provide bottom rail at all fencing (Typical)" to details 4/A402 and 7/A402.
- k. DRAWING SHEET NO MD101 FLOOR PLAN DEMOLITION MECHANICAL
 - (1) Revise exhaust fan notes in restrooms
 - (2) Revise Hex Note #9.
- I. DRAWING SHEET NO M101 FLOOR PLAN RENOVATION MECHANICAL
 - (1) Revise exhaust fan notes in restrooms.
 - (2) Remove restroom ductwork.
 - (3) Add General Note #21.
- m. DRAWING SHEET NO M601 SCHEDULES- MECHANICAL
 - (1) Revise schedules as shown in attached sheet.
- n. DRAWING SHEET NO. ED101 FLOOR PLAN DEMOLITION POWER
 - (1) Revise two exhaust fans serving restroom to show "existing to remain."
- o. DRAWING SHEET NO. E101 FLOOR PLAN RENOVATION POWER/SYSTEMS
 - (1) Delete new electrical connections for two exhaust fans serving restrooms.
 - (2) Delete Hex Note #5.
- p. DRAWING SHEET NO. E501 ELECTRICAL SCHEDULES ELECTRICAL
 - (1) Revise mechanical feeder schedule for GPU-1 and EF-3
 - (2) Revise load and CB for GPU-1 on panel 3535C (existing revised).
 - (3) Revise load and CB for EF-3 on panel 3535C (existing revised).
- q. The similar project description is changed to read as follows:
- 2. Furnish and install all Mechanical, Electrical and Incidental work associated with the installation of an HVAC system in a commercial kitchen with a minimum area of 700 square feet OR Furnish and install all Mechanical, Electrical and Incidental work associated with the installation of an HVAC system in a commercial dining establishment or commercial restaurant with a minimum area of 1500 square feet.

- **3. The following information is provided as clarification:** Project has been submitted for permitting. The contractor shall include the cost of **all** permit fees in the bid. Contractor shall contact Orange County Building Department for permit fees as well as Orange County Utilities for separate utilities permit fees. Permit number for this project is B14903293.
- B. All other terms, conditions and specifications remain the same.
- C. 1. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of proposals.
 - 2. Receipt acknowledged by:

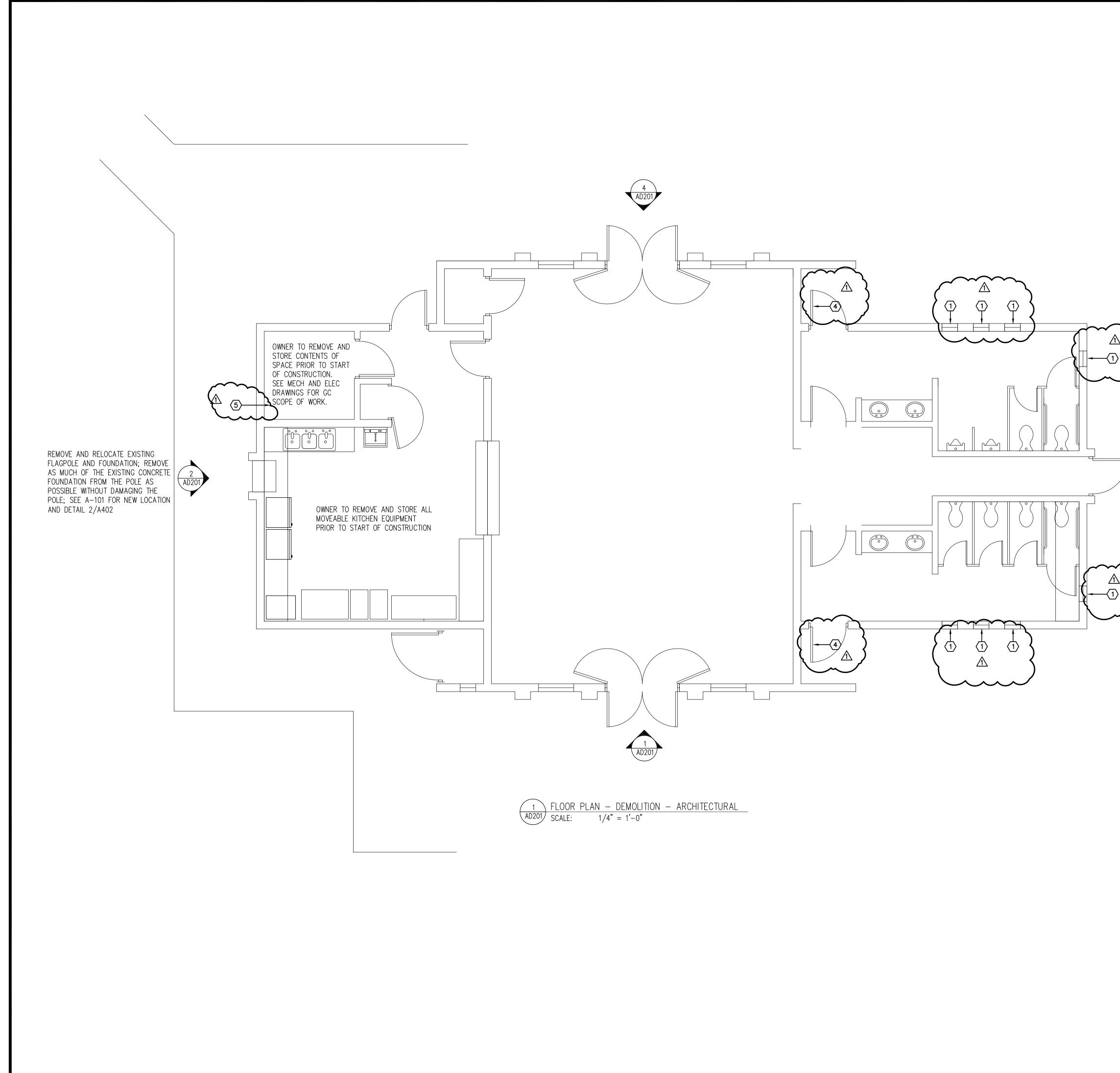
_____Authorized Signature _____Date Signed

_____ Title

_____ Name of Firm

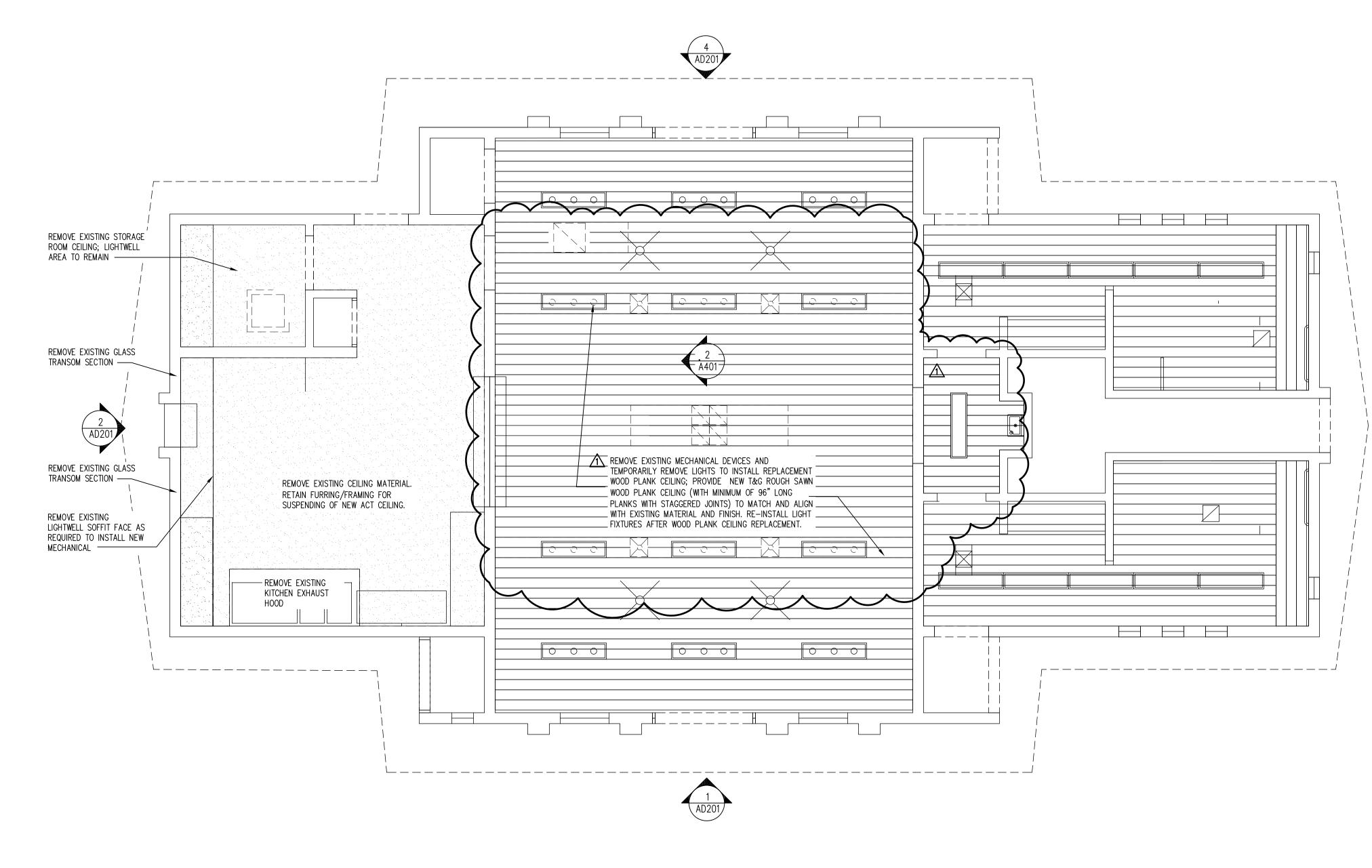


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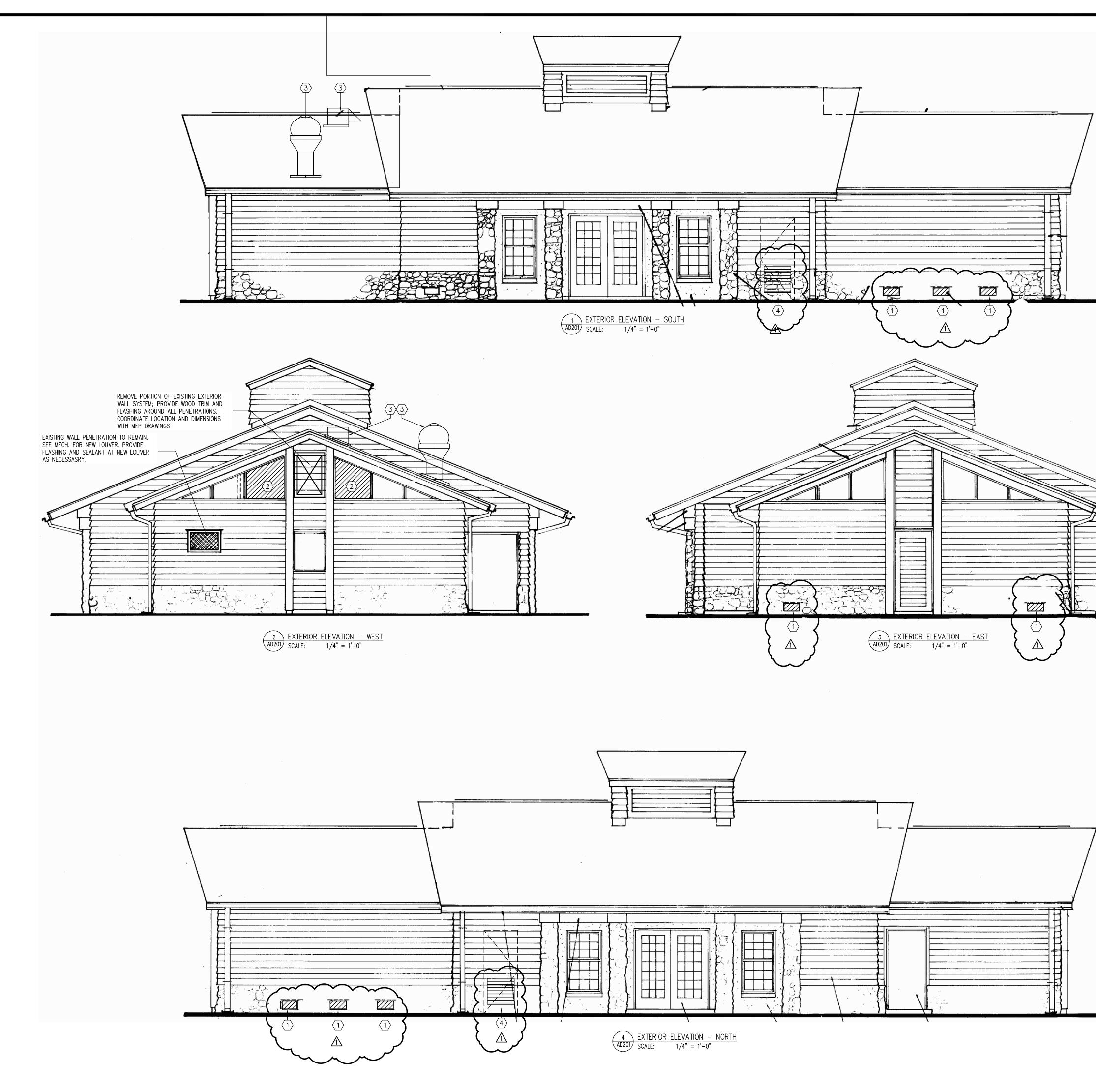
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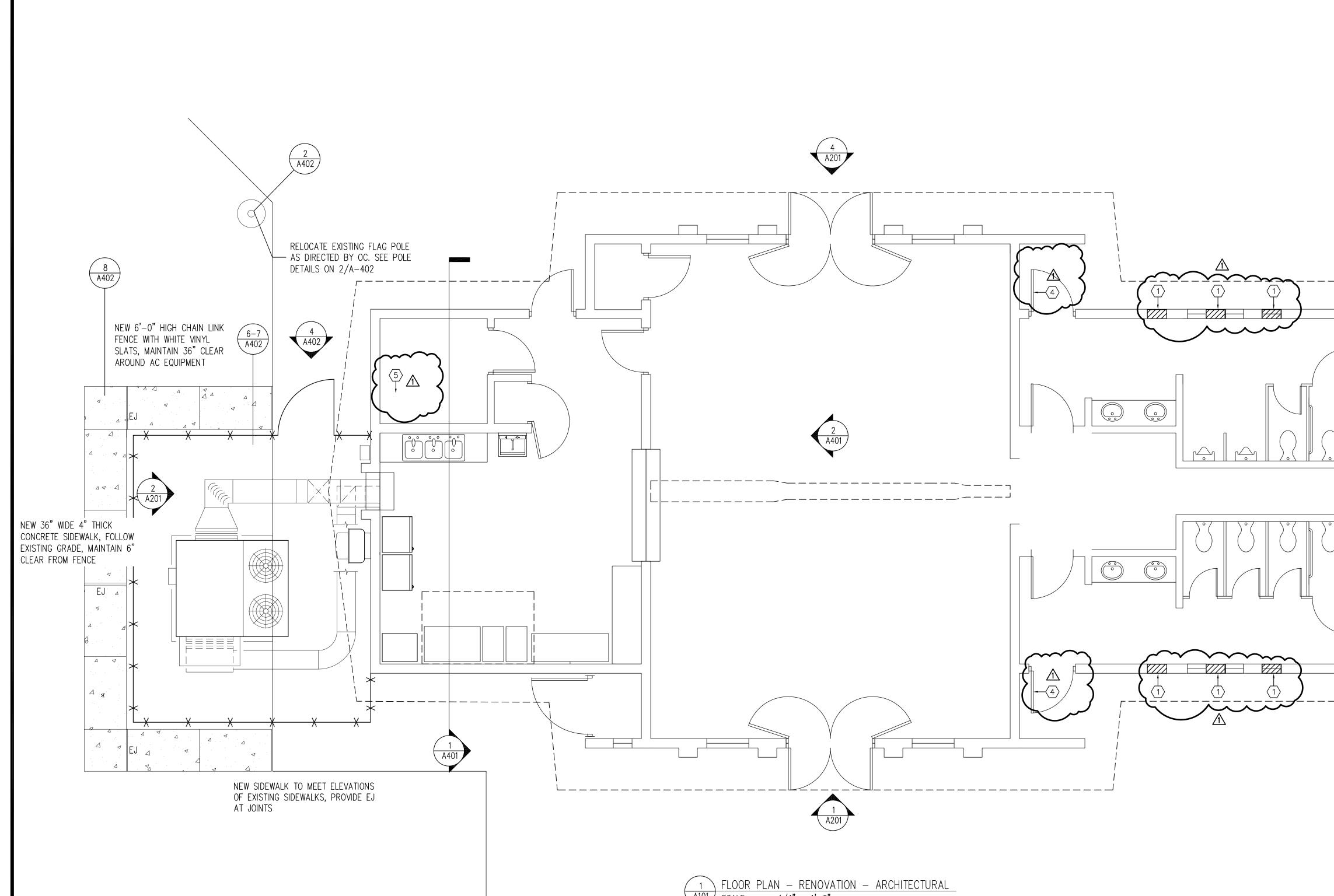


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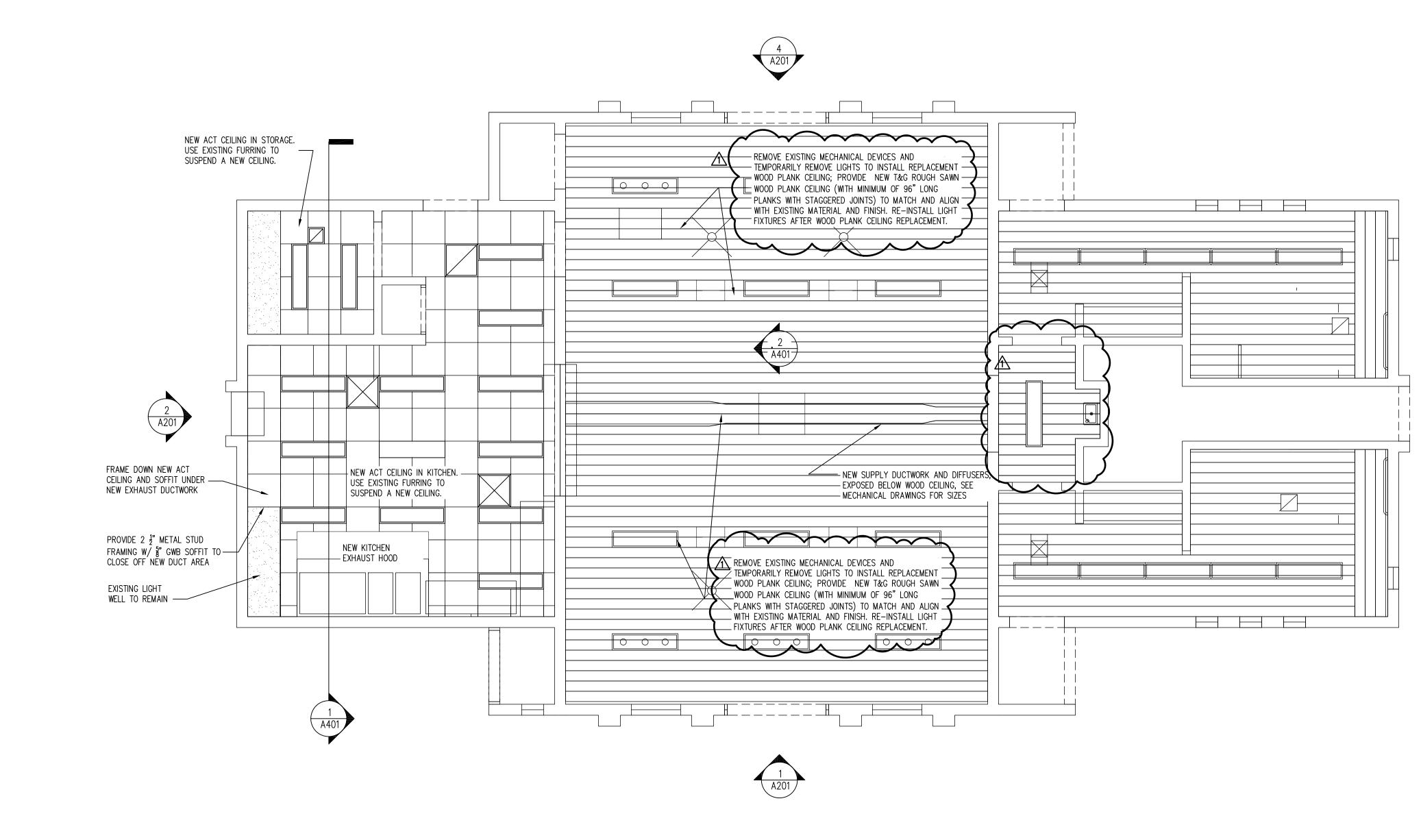
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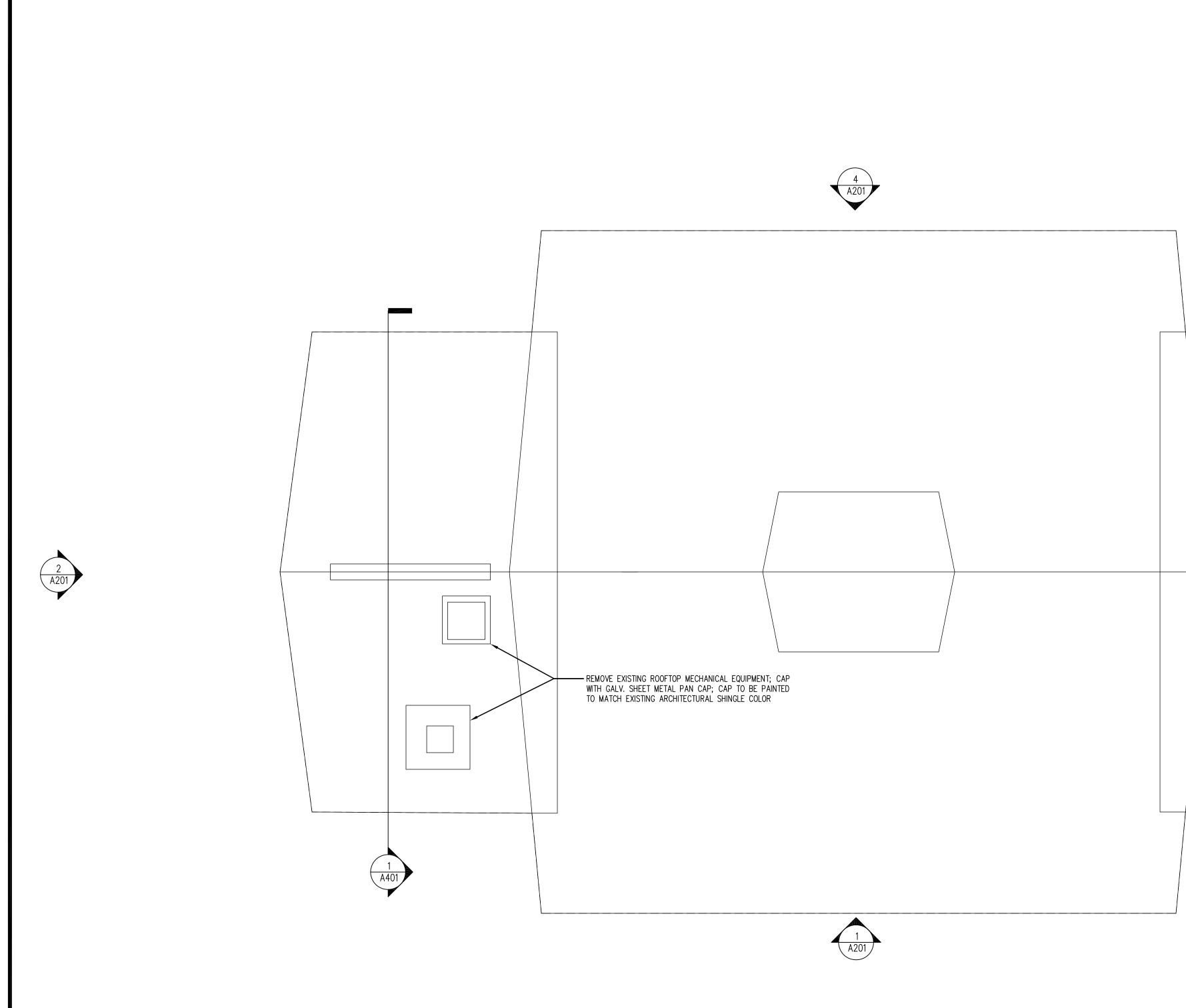




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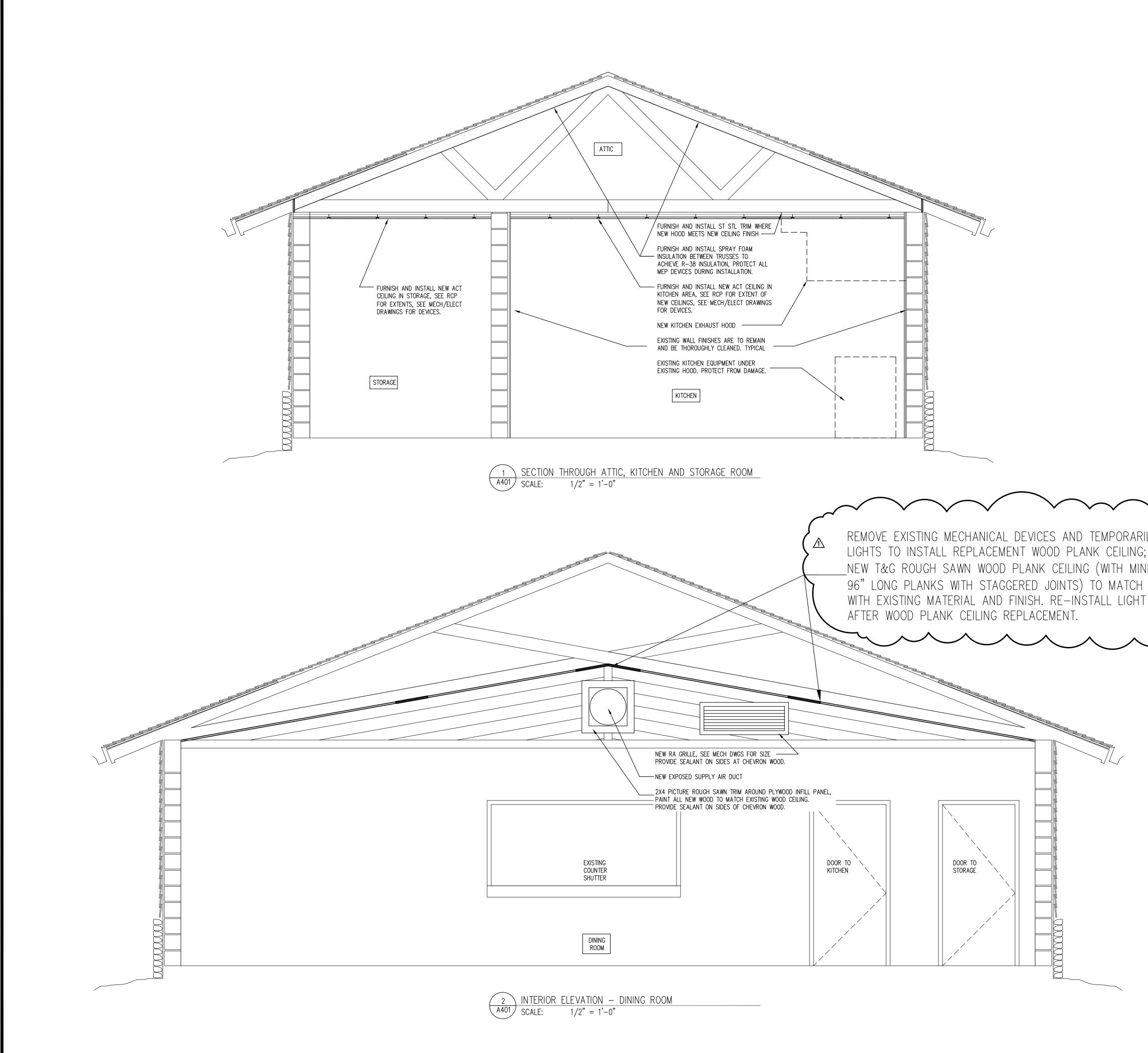


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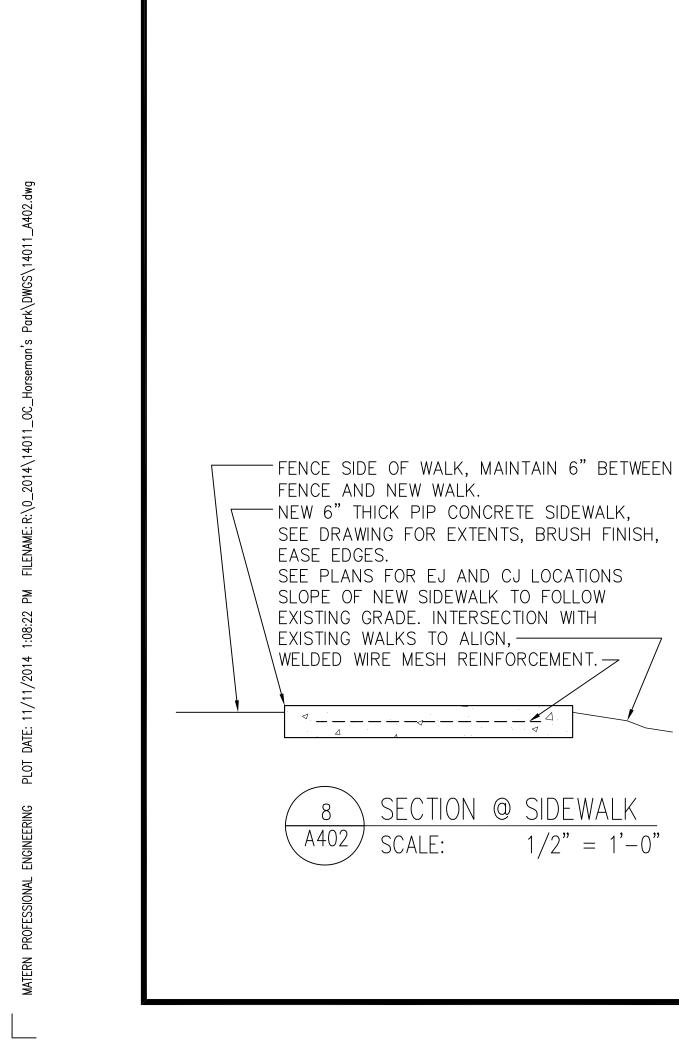
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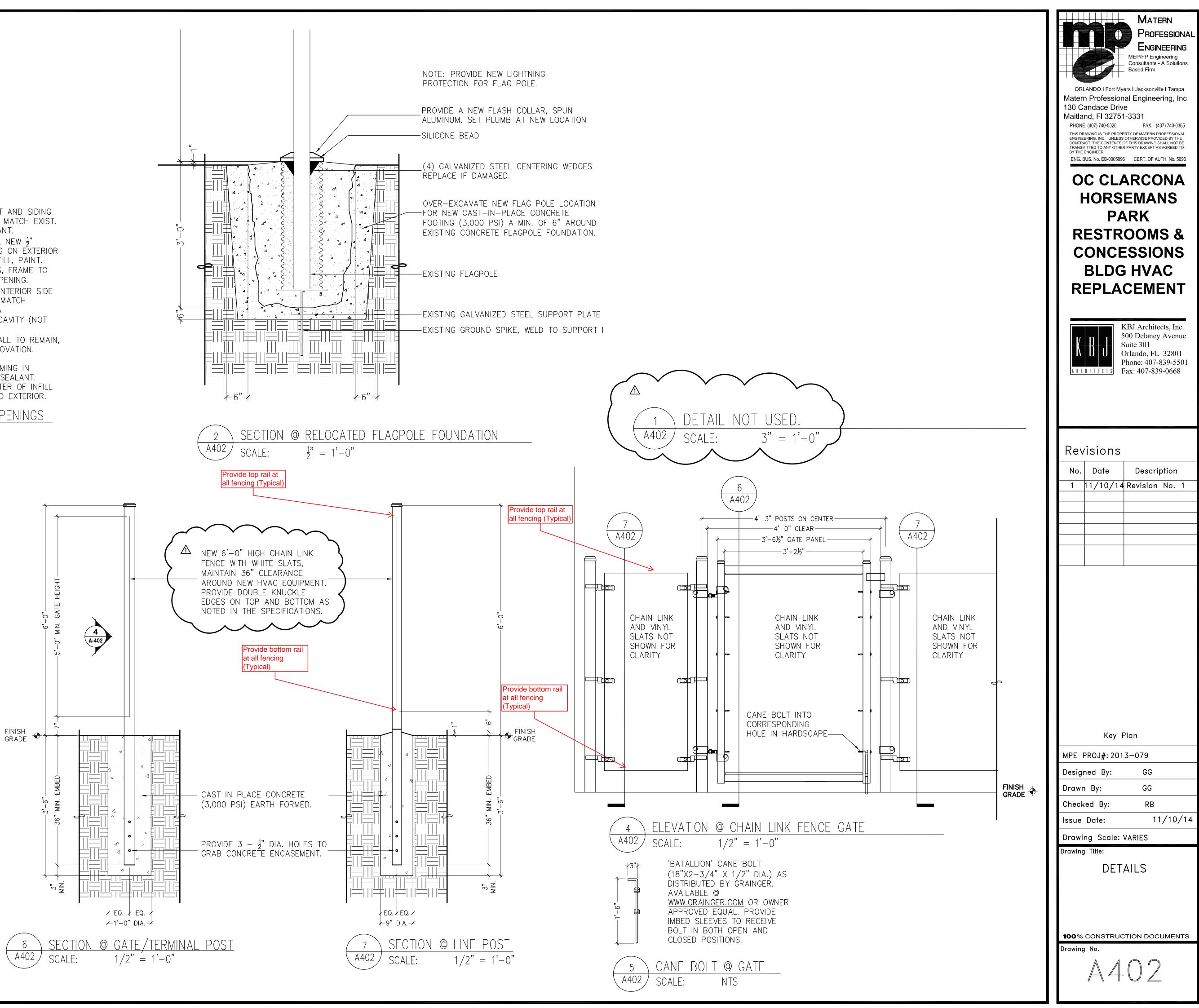


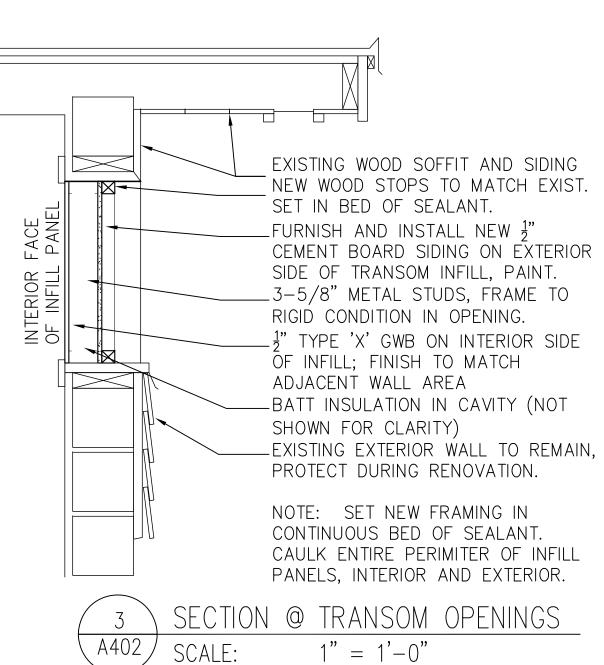
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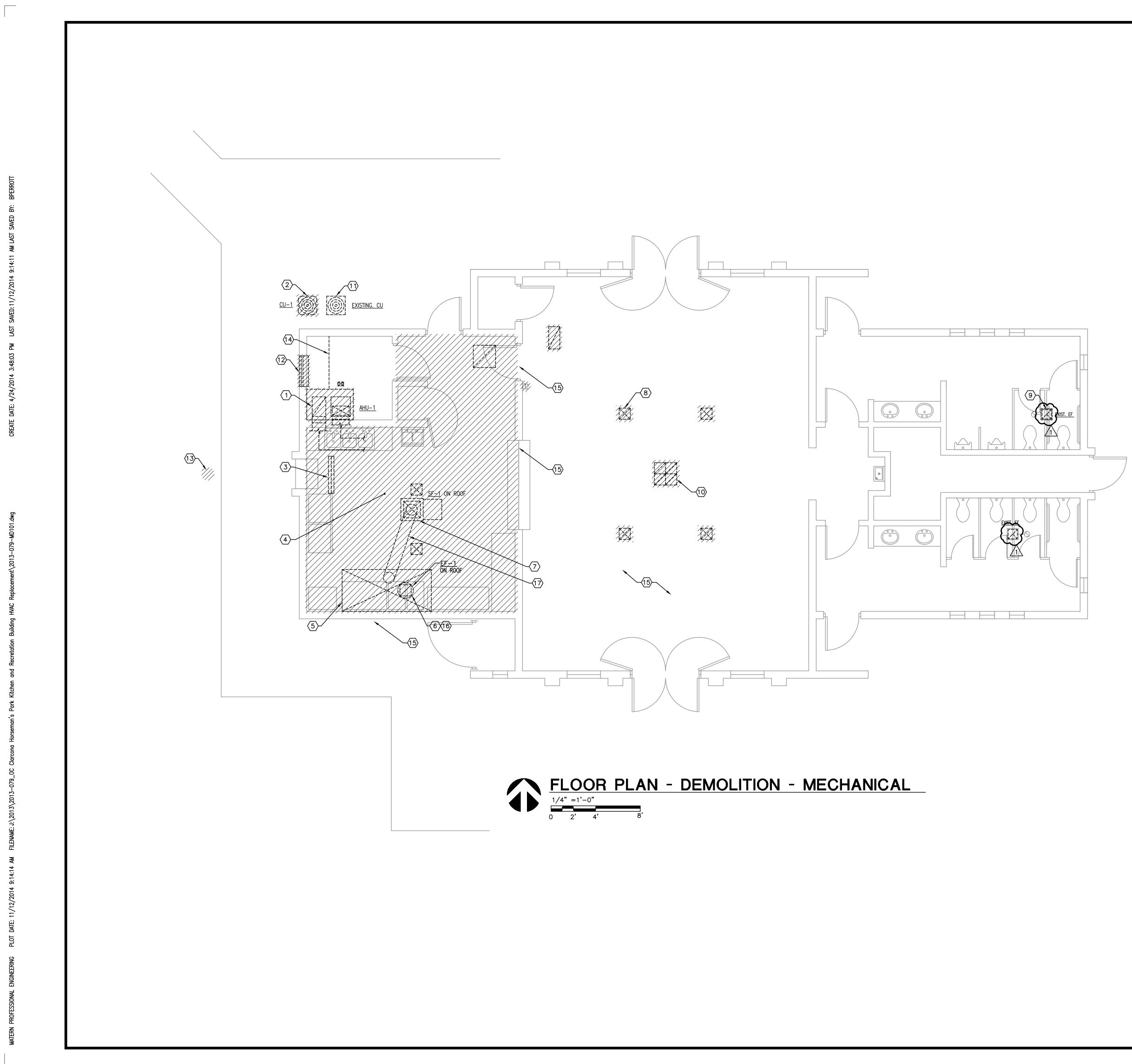




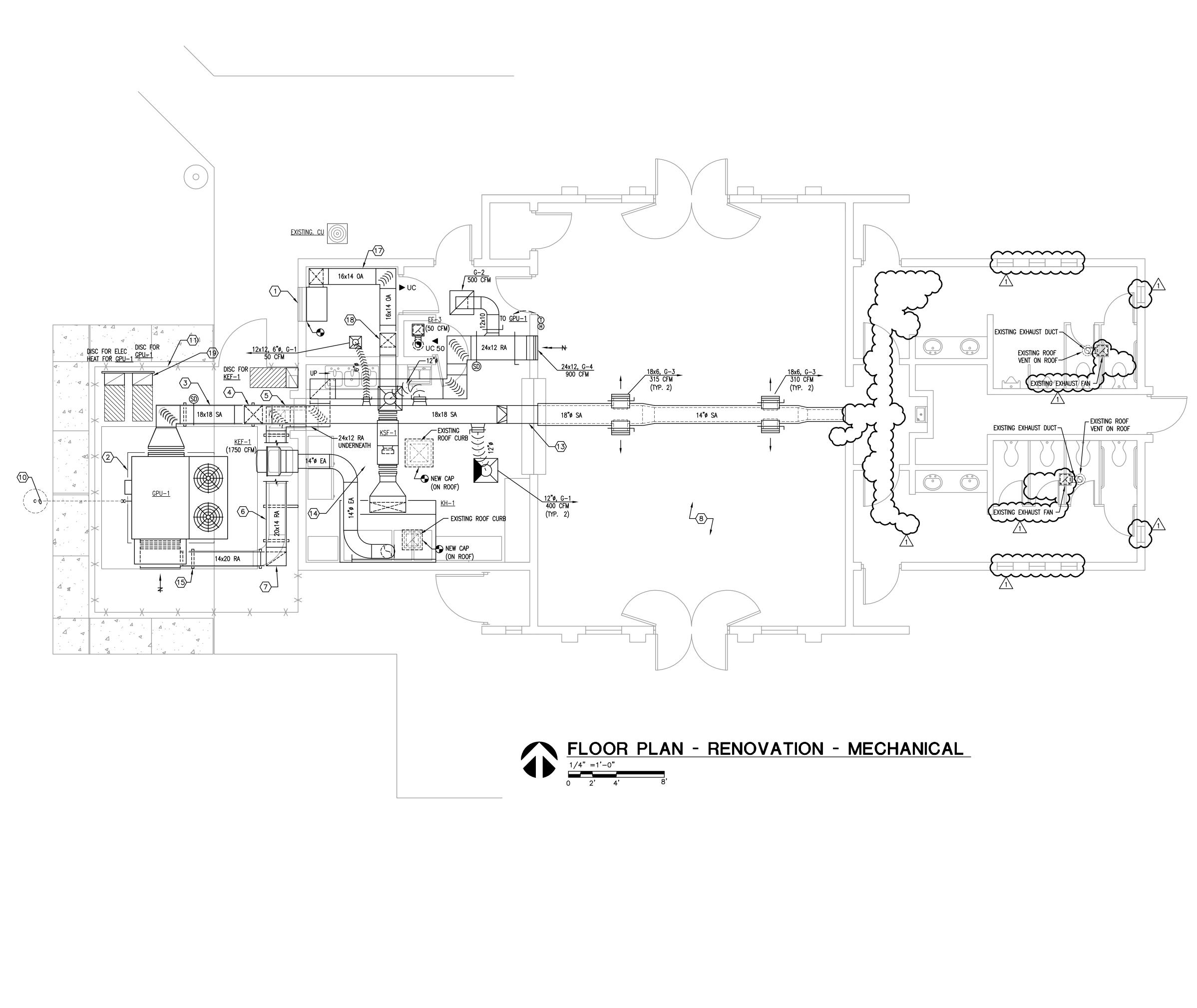


1/2" = 1'-0"





GENE	ERAL NOTES	
1.	REFER TO GENERAL NOTES FOR THIS DISCIPLINE.	PROFESSIONAL
	REFER TO SPECIFICATIONS. ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.	Engineering
	ALL UNUSED ROOF AND EXTERIOR PENETRATIONS SHALL BE	Consultants - A Solutions Based Firm
5.	PROPERLY CAPPED AND SEALED WATER TIGHT. REFER TO ARCHITECTURAL. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING AND	ORLANDO I Fort Myers I Jacksonville I Tampa Matern Professional Engineering, Inc
6.	ACCESSORIES ARE SCHEDULED TO BE REMOVED UNLESS NOTED OTHERWISE. EXISTING WORK MAY NOT BE SHOWN FOR CLARITY. THE FACILITY SHALL REMAIN UNOCCUPIED FOR CERTAIN DURATIONS	130 Candace Drive Maitland, FI 32751-3331 PHONE (407) 740-5020 FAX (407) 740-0365
	OF THE PROJECT. ALL INDOOR AND OUTDOOR WORK SHALL BE PERFORMED DURING NORMAL BUSINESS HOURS DURING THE WEEK. NORMAL BUSINESS HOURS ARE DEFINED AS 7:00 AM TO 5:00 PM, MONDAY TO FRIDAY.	THIS DRAWING IS THE PROPERTY OF MATERN PROFESSIONAL ENGINEERING, INC. UNLESS OTHERWISE PROVIDED BY THE CONTRACT, THE CONTENTS OF THIS DRAWING SHALL NOT BE TRANSMITTED TO ANY OTHER PARTY EXCEPT AS AGREED TO BY THE ENGINEER. ENG. BUS. No. EB-0005096 CERT. OF AUTH. No. 5096
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 1 2 3 4 5 6 7 7 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY – REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INSTRUCTIONS REGARDING KITCHEN EQUIPMENT TO REMAIN. REFER TO AD101 FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. EXISTING HOOD SUPPLY FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM. CAP EXISTING OPENINGS TO MATCH EXISTING CEILING FINISH AND COLOR. REFER TO	MPE PROJ#: 2013-079 Designed By:BWP Drawn By:RN Checked By:BWP Issue Date: 9/05/14
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 1 2 3 4 5 6 7 8 9 1 12 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY - REFER TO ARCHITECTURAL ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN THEIR ENTIRETY. EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO AD101 FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITON. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. EXISTING HOOD SUPPLY FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM. CAP EXISTING OPENINGS TO MATCH EXISTING CEILING FINISH AND COLOR. REFER TO ARCHITECTURAL. EXISTING CEILING TO REMAIN IN-TACT. EXISTING CIELING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING RELIEF FAN ABOVE CEILING TO REMAIN IN-TACT. EXISTING RELIEF FAN ABOVE CEILING TO BE REMOVED. CAP & SEAL EXISTING OPENING WITHIN THE INSIDE OF THE STRUCTURE. PAINT TO MATCH EXISTING SURROUNDINGS. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN.	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title:
 1 2 3 4 5 6 7 8 9 10 11 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY - REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN THEIR ENTIRETY. EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO AD101 FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING HOOD SUPPLY FAN ON ROOF TO BE REMOVED. CAP EXISTING GOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM. CAP EXISTING OPENINGS TO MATCH EXISTING CEILING TO REMAIN IN-TACT. EXISTING CELING CABINET FAN ABOVE CEILING TO REMAIN.	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN DEMOLITION
 1 2 3 4 5 6 7 8 9 1 12 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY - REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN THEIR ENTIRETY. EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO AD101 FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING HOOD SUPPLY FAN ON ROOF TO BE REMOVED. CAP EXISTING GOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE EXISTING HOOD SUPPLY FAN ON ROOF TO BE REMOVED. CAP EXISTING DOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE EXISTING CELLING CABINET FAN ABOVE CEILING TO REMAIN IN-TACT. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN IN-TACT. EXISTING CEILING CABINET FAN ABOVE CEILING TO BE REMOVED. CAP & SEAL EXISTING OPENING WITHIN THE INSIDE OF THE STRUCTURE. PAINT TO MATCH EXISTING SURROUNDINGS. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTING ICE MACHINE CONDENSING UNIT TO REMAIN. EXISTI	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN DEMOLITION
 1 2 3 4 5 6 7 8 9 10 12 13 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN ITS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY - REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN THEIR ENTIRETY. EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO ADIO1 FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOIF FUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM CAP EXISTING OPENING STO MATCH EXISTING CEILING TO REMAIN. EXISTING CEILING TO BE REMOVED. RE	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN DEMOLITION MECHANICAL 100 % CONSTRUCTION DOCUMENTS
 1 2 3 4 5 6 7 8 9 10 12 13 14 	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN TIS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST GRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY - REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO AD101 FOR INSTRUCTORS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOT CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOT CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOT CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOT CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING GOT FUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM TO BE REMOVED IN THEIR ENTIRETY. TYPICAL IN DINING ROOM COLOR. REFER TO ARCHITECTURAL. EXISTING CEILING TO REMAIN IN-TACT. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING SURGUNDINGS. EXISTING PIAL CADISING UNIT TO REMAIN. EXISTING SURGUNDINGS. EXISTING FLAE FAD ABOVE CEILING TO REMAIN. EXISTING SURGUNDINGS. EXISTING FLAE POLE TO BE REMOVED. REUSE OPENING FOR NEW INTAKE LOUVER. REFER TO RENO SHEET. EXISTING FLAG POLE TO BE RELOCATED FOR NEW PACKAGED UNIT. REFER TO ARCHITECTURAL DRAWINGS. REMOVE SHELVING AS REQUIRED FOR NEW DUCTWORK. REFER TO RENOVATIO	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN DEMOLITION MECHANICAL
 1 2 3 4 5 6 7 8 9 1 1	EXISTING AIR-HANDLING UNIT, SUPPLY, AND RETURN DUCTWORK TO BE REMOVED IN THEIR ENTIRETY, INCLUDING WOOD PLATFORM UNDERNEATH. EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED. EXISTING CONDENSING UNIT CONNECTED TO AHU TO BE REMOVED IN TIS ENTIRETY, INCLUDING CONNECTED REFRIGERANT PIPING AND DISCONNECT SWITCH. EXISTING EXHAUST CRILLE IN SOFFIT AND CONNECTED ATTIC FAN TO BE REMOVED IN THEIR ENTIRETY. REMOVE EXISTING WALL SWITCH CONTROLLING ATTIC FAN. EXISTING KITCHEN HARD CEILING TO BE REMOVED IN ITS ENTIRETY – REFER TO ARCHITECTURAL. ALL EXISTING SUPPLY AND RETURN DUCTWORK, DIFFUSERS AND GRILLES TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EXHAUST HOOD TO BE REMOVED IN ITS ENTIRETY, INCLUDING ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS. ALL EXISTING KITCHEN EQUIPMENT TO REMAIN. REFER TO ADIOI FOR INSTRUCTIONS REGARDING KITCHEN EQUIPMENT REMOVAL DURING DEMOLITION. EXISTING HOOD EXHAUST FAN ON ROOF TO BE REMOVED. CAP EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. EXISTING ROOF CURB. PAINT CAP TO MATCH EXISTING ROOF COLOR. ALL EXISTING DIFFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEFUSERS AND GRILLES WITHIN DINING ROOM TO BE REMOVED IN THEFUSERS AND GRILLES WITHIN DINING ROOM. CAP EXISTING OPENINGS TO MATCH EXISTING CEILING TO REMAIN IN-TACT. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING CEILING CABINET FAN ABOVE CEILING TO REMAIN. EXISTING SURROUNDINGS. EXISTING FILE FAIN ABOVE CEILING TO REMAIN. EXISTING SURROUNDINGS. EXISTING FILE FAIN ABOVE CEILING TO REMAIN. EXISTING FILE OLDE RELOCATED FOR NEW PACKAGED UNIT. REMOVE SHELVING AS REQUIRED FOR NE	MPE PROJ#: 2013-079 Designed By: BWP Drawn By: RN Checked By: BWP Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN DEMOLITION MECHANICAL 100 % CONSTRUCTION DOCUMENTS





GENE	RAL NOTES			MATERN
1.	REFER TO GENERAL NOTES FOR THIS DISCIPLINE.			PROFESSIONAL
2.	REFER TO SPECIFICATIONS.			MEP/FP Engineering
3. 4.	ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS. ALL AIR HANDLING SYSTEMS WILL UTILIZE A FULLY DUCTED RETURN			Consultants - A Solutions Based Firm
5.	AIR SYSTEM. PROVIDE A VOLUME DAMPER ON ALL BRANCH DUCTWORK AND ANY RUNOUT TO A DIFFUSER, WHETHER SHOWN OR NOT ON THE		-	rers I Jacksonville I Tampa nal Engineering, Inc
6.	ALL OUTSIDE AIR LOUVERS SHALL BE PROVIDED WITH 3/4" X 3/4" REMOVABLE BIRD SCREEN AND REMOVABLE FILTERS IN A FILTER RACK.	130 C Maitla	andace Driv nd, Fl 3275 E (407) 740-5020	/e 1-3331
_	THIS SHALL BE INSTALLED IN A CHANNEL AND SHALL BE EASILY REMOVED. SCREWED BIRD SCREEN TO THE LOUVER IS NOT ACCEPTABLE.	THIS DI ENGINE CONTR TRANSI BY THE	RAWING IS THE PROF ERING, INC. UNLES ACT, THE CONTENTS MITTED TO ANY OTHE ENGINEER.	ERTY OF MATERN PROFESSIONAL S OTHERWISE PROVIDED BY THE OF THIS DRAWING SHALL NOT BE R PARTY EXCEPT AS AGREED TO
7.	ALL LOUVER PLENUMS SHALL SLOPE BACK TOWARDS THE LOUVER ON THE EXTERIOR WALL. FINAL SIZE, HEIGHT, COLOR AND LOCATION OF THE LOUVERS SHOULD BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS AND GENERAL CONTRACTOR, PRIOR TO ORDERING TO LOUVERS.	0		ARCONA
8.	FULLY COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIFFUSER LOCATIONS PRIOR TO INSTALLATION.			EMANS ARK
9.	2-HOUR DUCT WRAP FIRE ENCLOSURE IS REQUIRED FOR ALL GREASE DUCT EXHAUST.			
10.	ALL METAL DUCTWORK USED FOR THE CONVEYANCE OF GREASE-LADEN AIR SHALL BE CONSTRUCTED OF MINIMUM 18 GAUGE STAINLESS STEEL OR 16 GAUGE GALVANIZED STEEL.			OOMS & SSIONS
11.	ALL GREASE EXHAUST DUCTWORK JOINTS SHALL BE EITHER TELESCOPING OR BELL TYPE. BUTT-WELDED JOINTS ARE PROHIBITED.			HVAC
12.	ALL GREASE EXHAUST DUCTWORK SEAMS AND JOINTS SHALL BE CONTINUOUSLY WELDED WATER-TIGHT ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.	R	EPLA	CEMENT
13.	ALL GREASE EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A UL 2221 LISTED AND LABELED GREASE DUCT ENCLOSURE SYSTEM. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SPECIFICATION SECTION 23 07 00.			
14.	ACCESS PANELS SHALL BE PROVIDED AT ALL CHANGES IN DIRECTION OF THE GREASE EXHAUST DUCTWORK SYSTEM. ACCESS PANELS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSULATION MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL BE LABELED AS FOLLOWS: "ACCESS PANEL – DO NOT OBSTRUCT".			
15.	ALL HORIZONTAL GREASE EXHAUST DUCTWORK SHALL BE INSTALLED WITH A MINIMUM 1/4" PER FOOT SLOPE AND SHALL BE PITCHED BACK TOWARD THE HOOD.			
16.	ALL GREASE DUCT SUPPORTS SHALL BE NONCOMBUSTIBLE MATERIAL.			
17.	REFER TO THE MANUFACTURERS RECOMMENDATIONS FOR ALL DEVICES SHOWN AND INSTALLED ON THIS PROJECT. THIS INCLUDES, BUT NOT	Rev	visions	
	LIMITED TO THE AIR FLOW MEASURING STATIONS, ELECTRIC DUCT HEATERS, MOTORIZED DAMPERS, SMOKE DETECTORS, AND DUCT ACCESSORIES.	No.	Date	Description
18.	FULLY COORDINATE ALL REQUIRED ELECTRICAL CLEARANCES FOR DISCONNECTS, AFD'S AND ELECTRIC DUCT HEATERS PRIOR TO INSTALLATION. THIS MUST BE INCLUDED ON ALL CONTRACTOR SHOP DRAWINGS, PRIOR TO INSTALLATION.		11/10/14	REVISION #1
19.	ALL AHU SUPPLY AND RETURN CONNECTIONS SHALL HAVE A CANVAS STYLE FLEXIBLE CONNECTOR.			
20.	PROVIDE AN AIR FLOW MEASURING STATION ON ALL OUTSIDE AIR			
	INTAKES. THEY SHALL BE PER THE SPECIFICATIONS NO SUBSTITUTIONS. FULLY COORDINATE THEIR INSTALLATION REQUIREMENTS AND CLEARANCES PRIOR TO CONSTRUCTION.			
HEX	NOTES			
$\langle 1 \rangle$	NEW 34x24 INTAKE LOUVER IN EXISTING OPENING WITH 20" DEEP			
	INSULATED SHEET METAL PLENUM.			
<u><2</u> >	6" CONCRETE HOUSEKEEPING PAD. CONNECT TO EXISTING SIDEWALK AS REQUIRED TO MAKE A LEVEL MOUNTING SURFACE.			
3	EXTERIOR SUPPLY DUCTWORK MOUNTED AT GRADE. REFER TO DETAIL.			
	SUPPLY DUCTWORK UP.			
	18x18 SUPPLY DUCT ABOVE 20X14 RETURN DUCT IN NEW KITCHEN SOFFIT.			
6	EXTERIOR RETURN DUCT MOUNTED TO WALL BELOW GREASE FAN.		Key	Plan
	RETURN DUCT DN TO GRADE.	MPE	PROJ #: 20 ⁻	3-079
8	DOUBLE-WALLED SPIRAL DUCTWORK IN THIS AREA, MOUNTED BELOW EXISTING CEILING. PAINT TO MATCH EXISTING CEILING.		ned By:BW	
9	NOT USED.		n By:RN	
	1–1/2" CD TO 24" DRYWELL.		•	D
\frown	NEW 6' HIGH FENCE ENCLOSURE. REFER TO ARCHITECTURAL.		ked By:BW	
	NOT USED.		Date:	9/05/14
13	TRANSITION FROM CONCEALED EXTERNALLY WRAPPED DUCTWORK TO DOUBLE-WALLED SPIRAL DUCTWORK AT WALL.		-	1/4"=1'-0"
	COORDINATE DUCT ROUTING WITH EXISTING TRUSS LAYOUT COORDINATED SHOP DRAWINGS OF THIS AREA SHALL BE SUBMITTED PER SPECIFICATIONS PRIOR TO INSTALLATION.	Drawing	FLOOF	R PLAN
(15)	GROUND MOUNTED DUCT SUPPORT.			VATION
(16)	6"ø EA UP TO NEW ROOF JACK ON ROOF.		MECH	ANICAL
	ROUTE OA DUCT TIGHT TO CEILING.			
	16x14 OA UP THROUGH CEILING INTO CEILING PLENUM.		N 00	
(19)	DISCONNECT SWITCHES MOUNTED ON UNI-STRUT RACK.	100 Drawing		CTION DOCUMENTS
		Di di Willi	M 1	$\bigcirc 1$
		1	U V U U	

			UNIT DATA						FAN DATA				
UNIT NO.	SERVING			SAT.	DEEDIO	TOTAL			EXT.		MOTOF	R DATA	
UNIT NO.	SERVING	CAPACITY MBH	COND. EAT F	SUCT. F	REFRIG TYPE	TOTAL CFM	PRIMARY AIR	MAX OA	STATIC P. IN H20	HP	RPM	VOLT	
GPU-1	CONCESSION BLDG	100.1	95	-	R-410A	2100	1400	700	1	1	-	230	

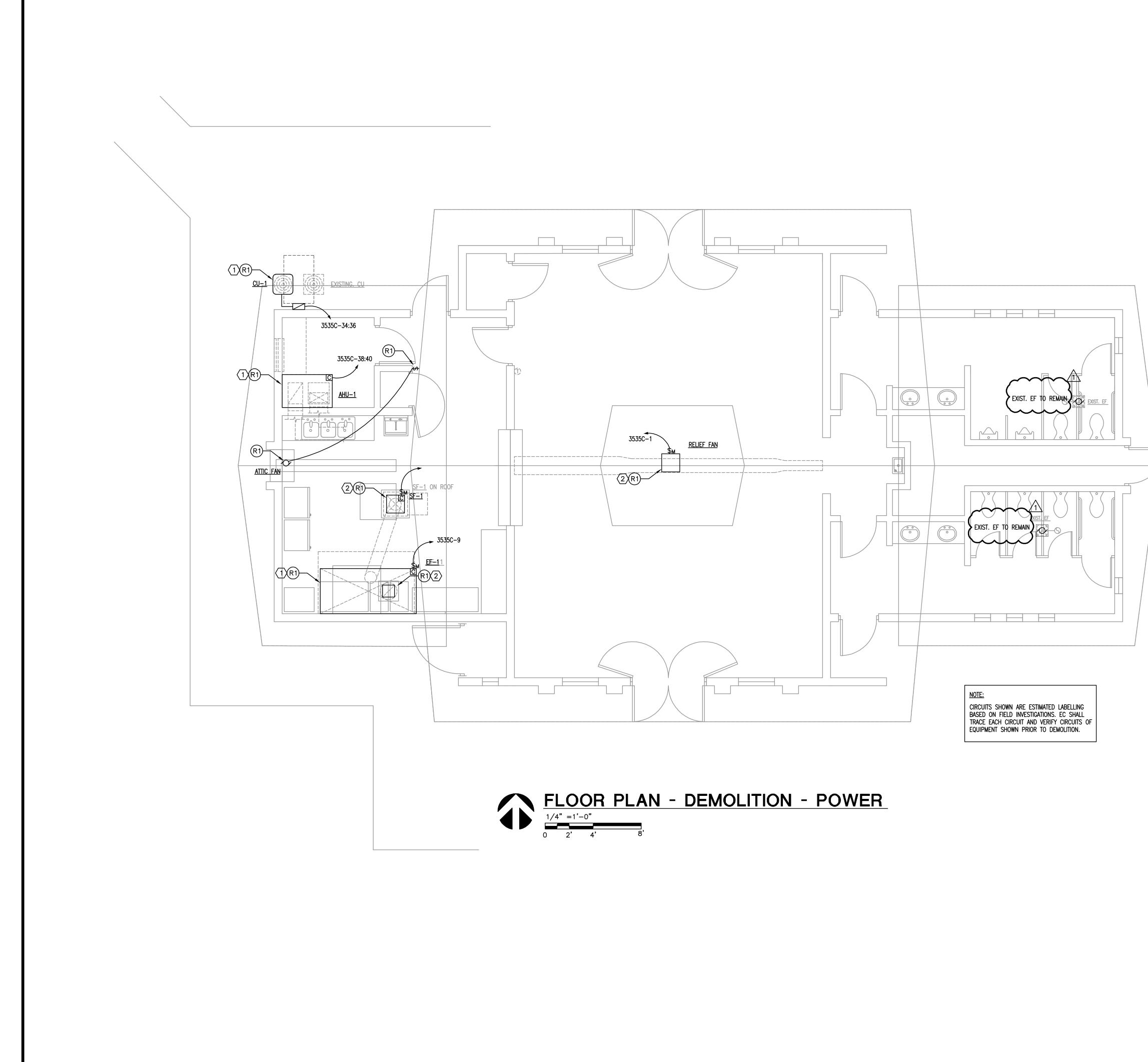
	EAT F LAT F DB DB KW V	VOLT PH NO. STEPS	NO. HP VOL	T PH QUANTITY	STEPS VOLT	PH RLA (ea) LF	RA (ea) VOLT	PH FLA		IANUFACTURER MC	DDEL OPERATING WEIGHT (LB	
OG 100.1 95 - R-410A 2100 1400 700 1 1 . 230 1 80.7 68.0 52.5 52.5 12.4 Image: Second se	<u>60</u> 75.0 10	230 1 2	2 1 230	1 2	2 230	1 21.7	117 230	1 -	66 80	ADDISON TRS	SA096 2045	1,2,3
TE HOUSEKEEPING PAD 6 REFER TO SPECIFICATION SECTION 23 77 00 FOR APPRO												
ICLUDES ALL EQUIPMENT EXCEPT ELEC. HEAT. ELEC. HEAT IS A SEPARATE POWER CONNECTION. 7 DIGITAL SCROLL COMPRESSORS RD CONTROLS AND DIGITAL PROGRAMMABLE THERMOSTAT/HUMIDISTAT.												
		UST FAN SCHEDU										<u>~~</u>
		NO. SERVIN	3	ТҮРЕ	CFM BLADE TYPE	SONES STAT		MOTOR DA	MICCI		ON BASED ON: R MODEL	RE
	KEF-1 KSF-1					10.8 0.7					CWB-161-7	
	EF-1 EF-2 EF-3	2 NOT USE	D	ILING CABINET FAN				45w 1050			SP-B70	$\overline{\mathbf{x}}$
	REMAR					, V.Z			<u> </u>			<u> </u>
		1 PROVIDE BACKDR 2 PROVIDE DISCON	NECT AT THE UNIT			6 INTERI		DOD FANS WITH	KITCHEN HOOD C			
		3 HIGH-WIND RATED ⁴ REFER TO SPECIF EQUIPMENT.		34 00 FOR APPROVED	EQUALS FOR THIS				OCIATED ACCESSO DTENTIOMETER DI	ORIES FOR THE GREAS	E FAN	
		GENERAL COMME				-		REMOVABLE AI	LUMINUM FILTERS	i		
		1. ALL ROOF MOU	NTED FANS TO BE FL	ORIDA PRODUCT APP	ROVED AND TIED DO	NN PER THE DETAI	LS SHEET					
			EXHAUST & M	AKE-UP AIR SC							1	
				DIM. /IDTH HEIGHT WEIGI	EXHAUST	DOD DATA COLLAR DATA I QTY COLL	4.5	PLY COLLAR DA .P. (IN QTY		SELECTION BASED O	R	EMARKS
		КН-1 КІТС	(IN)	Inclusion Inclusion Inclusion (IN) (IN) (LBS) 48 24 245) CFM W.G.)	NUM SIZ		W.G.) NUM 0.138 1	SIZE		ODEL EW-84-S SE	EE NOTE:
				TEEL WHERE EXPOSE					48 IN LONG 12 IN W NG LIP (PEL) TECH			
		4. 18 IN I		SURES - FRONT LEFT	RIGHT - FIELD INSTAL		ANDING SEAM CO	NSTRUCTION				
			DRY MOUNTED EXHAU									
	PEOPLE	AREA				Service	& Pipe Con	Thicknes		Requirements	Schedule	No
OCCUPANCY CATEGORY: RESORTS OCCUPANT OCCUPANT	UTDOOR IR RATE SQ. FT. OF	OUTDOOR DE AIR RATE	FAULT VALUES	TOTAL OUTDOOR	Outside Air I			Installed R				
SERVED ROOM	AREA M/PERSON	REQ'D CFM/SQ. FT. SQ. F			Supply Air D All low press	ucts sure exposed ductw	vork in public			orated inner liner and my	ylar film separating	Double \
BY ROOM GPU-1 KITCHEN/DINING ROOM RESTAURANT DINING ROOMS 52	7.5 1300	0.18 70	10	624	areas:			Installed R	Exposed:	n from air stream :Rigid fiberglass with co atherproof sheet metal ja	orner angles with	
	[TOTAL REQUIR				d outdoors or in so	ffit exposed to	Installed R	Flex-Clad Products	400 as manufacturered		
		TOTAL SUPPLI	D FOR GP0-1		weather: Terminal to 0	Dutlet:		Installed R		sity blanket.		
NOTE: 1. REQUIRED OUTSIDE AIR CFM VALUES BASED ON ANSI/ASHRAE STANDARD 62.1-2007.					Return Air D	ucts				Specified in Specification		
					Ducts locate	d outside:		Installed R-	4.2 33 00 or F Building F	g duct specificed in Spec Flex-Clad 400 as manufa Products Corp.	cturered by MFM	
					All other retu Exhaust Air I	urn air ductwork:		Installed R-		ed - 2" thick external wra gid board with corner an		
					All general re	estroom exhaust du d exhaust ducts:	icts:			lired I in 2 hour fire rated duct 3m Firemaster	wrap enclosure	
					Piping Condensate	Drain (CD): All sizes	8	1/2"		cell Elastomeric		
						sification and the	0.07.00 feeting		tion			
					NOTES:	cification section 23		y Conservation (Code sections 503.2	2.7 through 503.2.8		
					Refer to specific		FBC 2010 - Mecha			······	~~~~~~	
					Refer to spec Insulation m Insulation m	ust meet or exceed ust meet or exceed	ASHRAE 90.1-201					
GRILLE, REGISTER AND DIFFUSER SCHEDULE:					Refer to spec Insulation m Insulation m	ust meet or exceed ust meet or exceed	ASHRAE 90.1-201	~~~~		NCE SCHEDULE	СОММЕ	
UNIT NO.		JCTION DATA ATERIAL COLOR	SELECTION I		Refer to spec Insulation m Insulation m	ust meet or exceed	ASHRAE 90.1-201	~~~~		E.A. PRESSURE 1750 -1750 I 1400 I I	COMME KITCHEN EXHAUST KITCHEN SUPPLY	
UNIT NO. TYPE SERVICE MOUNTING DATA	W SHAPE MA SQUARE ALL	ATERIAL COLOR LUMINUM WHITE LUMINUM WHITE	MANUFACTURER TITUS TITUS		Refer to spec Insulation m Insulation m Insulation m REMARKS	ust meet or exceed	ASHRAE 90.1-201	A. R.A.	AIR BALAN O.A.	E.A. PRESSURE 1750 -1750 I 1400 I 50 -50 I	KITCHEN EXHAUST	
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$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	W SHAPE MA SQUARE ALL RECT. ALL RECT. ALL	ATERIAL COLOR LUMINUM WHITE LUMINUM WHITE LUMINUM WHITE	MANUFACTURER TITUS TITUS TITUS	MODEL TMS-AA 50F 300FL	Refer to spec Insulation m Insulation m Insulation m REMARKS	ust meet or exceed	ASHRAE 90.1-201 UNIT S KEF-1 KSF-1 EF-3 GPU-1 21 TOTAL 21	A. R.A. 00 00 0	AIR BALAN O.A. 1400 700 2100	E.A. PRESSURE 1750 -1750 I 1400 I I 50 -50 I 700 I I 1800 300 I	KITCHEN EXHAUST KITCHEN SUPPLY JANITORS NEW PACKAGED DX (

+ +	T F WB	LAT F	BEER	EAT F DB			DLT	РН	NO. STEPS		HP	VOLT		QUANTI	TY ST		VOLT	PH RL	(ea) L	.RA (ea)	VOLT	UNIT E	FLA	MCA	моср	MANU	IFACTURE		-, OPE	RATING HT (LBS)	REMARKS
80.7	68.0 5	2.5 52.	5 12.4	60	75.0	10 2	30	1	2	2	1	230	1	2		2	230	1 2	1.7	117	230	1	-	66	80	A	DDISON	TRSA	096 2	2045	1,2,3,4,5,6,7
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	ICATION SECT		0 FOR AP	PROVED	EQUALS	FOR THIS I	QUIPI	MENT.																							
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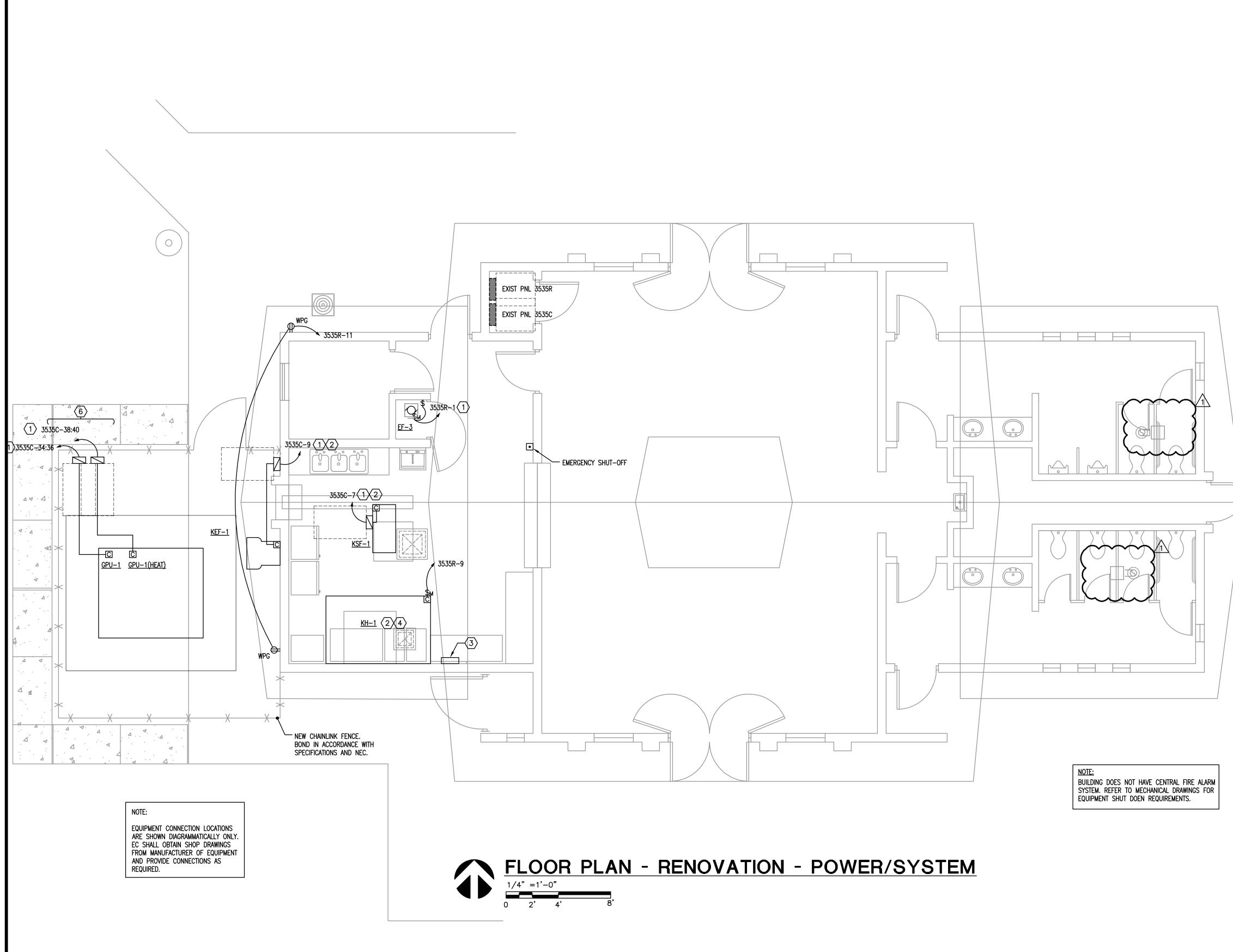
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Matern Profession 130 Candace Driv Maitland, FI 3275 PHONE (407) 740-5020 THIS DRAWING IS THE PROP ENGINEERING, INC. UNLESS CONTRACT, THE CONTENTS TRANSMITTED TO ANY OTHE BY THE ENGINEER. ENG. BUS. No. EB-000509 OCC CL/ HORS P/ RESTR CONCE BLDG	1-3331 FAX (407) 740-0365 ERTY OF MATERN PROFESSIONAL S OTHERWISE PROVIDED BY THE S OF THIS DRAWING SHALL NOT BE ER PARTY EXCEPT AS AGREED TO
Revisions	
No. Date	Description
1 11/10/14	REVISION #1
Key	Plan
MPE PROJ#:201	3–079
" Designed By:BW	
Drawn By:RN	
Checked By:BW	
Issue Date:	9/05/14
	DULES
	ANICAL
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<ul> <li>GENERAL NOTES</li> <li>1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.</li> <li>2) REFER TO SPECIFICATIONS.</li> <li>3) NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.</li> <li>4) ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.</li> <li>5) EXISTING CONDUIT ROUTING IS UNKNOWN.</li> <li>6) WHERE CONDUIT ROUTING IS SHOWN, THE CONDUITS ARE SHOWN FOR DUGRAMMATIC PURPOSES AND ARE NOT NECESSARILY REPRESENTATIVE OF EXACT PLACEMENT.</li> </ul>	<image/> <image/> <image/> <image/> <text><text><text><text><text><text></text></text></text></text></text></text>
HEX. NOTES         1)       MECHANICAL EQUIPMENT TO BE REPLACED. REMOVE ALL ELECTRICAL FOR THIS EQUIPMENT COMPLETE BACK TO ITS SOURCE.         (2)       EXISTING MECHANICAL EQUIPMENT TO BE REMOVED.         (3)       EXISTING CONDUIT RUN MAY BE RE-USED IN RENOVATIONS PROVIDED SIZE AND CONDITION MEETS CODE REQUIREMENTS AND ROUTING IN CONGRUENT WITH NEW CIRCUITING. REFER TO RENO DRAWINGS.	No.       Date       Description         1       11/10/14       REVISION #1         1       11/10/14       Image: state s
	Key Plan         MPE PROJ#: 2013-079         Designed By: RB         Drawn By: AG/RB         Checked By: CT         Issue Date:       9/05/14         Drawing Scale: 1/4"=1'-0"         Drawing Title:         FLOOR PLAN -         DEMOLITION -         POWER
	Drawing No.



<u>GENE</u>	RAL NOTES	
1)	REFER TO GENERAL NOTES FOR THIS DISCIPLINE.	PROFESSIONAL
2)	REFER TO SPECIFICATIONS.	ENGINEERING MEP/FP Engineering
3)	NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.	Consultants - A Solutions Based Firm
4)	REWORK/RELOCATE EXISTING ELECTRICAL AS REQUIRED TO FACILITATE REMODELING.	ORLANDO I Fort Myers I Jacksonville I Tampa
5)	CONTRACTOR SHALL MAINTAIN CONTINUITY TO EXISTING DEVICES REMAINING.	Matern Professional Engineering, Inc 130 Candace Drive Maitland, FI 32751-3331
6)	ALL DISCONNECTING MEANS (SWITCHES) FEEDING FAN TERMINAL BOXES SHALL BE MOTOR RATED SWITCHES.	PHONE (407) 740-5020 FAX (407) 740-0365 THIS DRAWING IS THE PROPERTY OF MATERN PROFESSIONAL ENGINEERING, INC. UNLESS OTHERWISE PROVIDED BY THE CONTRACT, THE CONTENTS OF THIS DRAWING SHALL NOT BE
7)	REFER TO MECHANICAL EQUIPMENT FEEDER AND PANEL SCHEDULES FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT.	TRANSMITTED TO ANY OTHER PARTY EXCEPT AS AGREED TO BY THE ENGINEER. ENG. BUS. No. EB-0005096 CERT. OF AUTH. No. 5096
8)	MOUNT ALL DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT WITHIN SIX (6) FEET OF EQUIPMENT AS REQUIRED BY APPLICABLE CODES AND STANDARDS. RELOCATE DISCONNECT SWITCHES SHOWN ON DRAWINGS TO LOCATION REQUIRED TO COMPLY WITH THIS REQUIREMENT AND APPLICABLE CODES/STANDARDS. LOCATIONS FOR DISCONNECT SWITCHES SHOWN ON DRAWINGS IS FOR GENERAL INFORMATION ONLY.	OC CLARCONA HORSEMANS PARK RESTROOMS & CONCESSIONS BLDG HVAC REPLACEMENT
1	<u>K NOTES</u> REFER TO MECHANICAL FEEDER SCHEDULE. CONNECT VIA KITCHEN CONTROL SYSTEM. SEE WIRING DIAGRAM AND OTHER REQUIREMENTS ON KITCHEN HOOD DRAWING.	No.       Date       Description         1       11/10/14       REVISION #1
4) 4)	NEW HOOD CONTROL UNIT. RECONNECT ANY CONTROL POWER AND BUILDING ALARM SYSTEMS TO EXISTING CIRCUITS PREVIOUSLY SERVING EQUIPMENT BEING REPLACED. UPON ACTIVATION OF ANSUL SYSTEM, HOOD SHALL SHUNT POWER TO EQUIPMENT UNDER HOOD. PROVIDE CONNECTIONS TO EXISTING BREAKER SHUNT TRIPS AS REQUIRED. NOT USED.	
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<u>_</u> /		Key Plan
<u>_</u> /		
<u>_</u> /		MPE PROJ#: 2013-079
<u>_</u> /		MPE PROJ#:2013-079 Designed By:RB
<u>_</u> /		MPE PROJ#:2013-079 Designed By:RB Drawn By:AG/RB
<u>_</u> /		MPE PROJ#: 2013-079 Designed By:RB Drawn By:AG/RB Checked By:CT
<u>_</u> /		MPE PROJ#: 2013-079 Designed By:RB Drawn By:AG/RB Checked By:CT Issue Date: 9/05/14
<u>_</u> /		MPE PROJ#: 2013-079 Designed By:RB Drawn By:AG/RB Checked By:CT Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0"
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<u>_</u> /		MPE PROJ#: 2013-079 Designed By:RB Drawn By:AG/RB Checked By:CT Issue Date: 9/05/14 Drawing Scale: 1/4"=1'-0" Drawing Title: FLOOR PLAN - RENOVATION -

MOUNTING:     SURFACE     MCB     400       TYPE :     SH.TRIP       MFR :     EATON     GFP   NOTES AND REFERENCE NOTES:	EXISTING :       YES         CTIONS :       1         NEMA 3R :       MOUNTING :         Image: Subscript of the second secon	120       PANEL: 3535R (EXIST)         240       MLO(***)         1       MCB       200         SQ D       GFP	Image: WISED: 10/18/12       EXISTING : YES         SECTIONS :       1         NEMA 3R :	MATERN PROFESSIONA ENGINEERING MEP/FP Engineering Consultants - A Solutions Based Firm
GENERAL NOTES: <aic (**)="" rating="">         (1) ALL C.B.'S FEEDING HVAC EQUIPMENT TO BE HACR TYPE.       SERIES RATED       22       KA(*)         (2) ALL C.B.'S FEEDING ELEV EQUIP TO BE SHUNT-TRIP TYPE.       FULLY RATED       KA       \$ = NEW CB IN EXIST SPACE         (3) ALL C.B.'S FEEDING ELEV EQUIP TO BE SIZED AS REQ'D BY MFR.       (*) NOTE: MAY REQUIRE FULL RATING TO ACHIEVE       SH = SHUNT TRIP C.B.         (4) ALL C.B.'S FEEDING HID LTG TO BE HID RATED.       (*) NOTE: MAY REQUIRE FULL RATING TO ACHIEVE       SH = SHUNT TRIP C.B.         (5) NO MULTIWIRE BRANCH CKTS ARE ALLOWED       (*) NOT USED.       AF = ARC FAULT CB</aic>	(2) ALL C.B.'S FEEDING EI		MFR = SIZE CB PER MFR. RECOMMENDATIONS. \$ = NEW CB IN EXIST SPACE & = REPLACE EXIST CB WITH NEW SH = SHUNT TRIP C.B. AF = ARC FAULT CB	ORLANDO I Fort Myers I Jacksonville I Tampa Matern Professional Engineering, Inc 130 Candace Drive Maitland, FI 32751-3331 PHONE (407) 740-5020 FAX (407) 740-0365
BREAKER SIZE/AIC RATING AS CALLED FOR IN SCHEDULE.	64 KVA 267 AMPS ERROR CODE	54       (***) NOTE: SIZE SHOWN IS MINIMUM ACCEPTABLE MLO         54       AMPERAGE. INCREASE SIZE IF REQUIRED TO ACHIEVE         54       QUANTITY OF POLES OR BREAKER SIZE/AIC RATING AS         CALLED FOR IN SCHEDULE.	OPTIONAL CALCNOACTUAL CONN LOAD13KVA54AMPSDEMAND13KVA54AMPSDIVERSITY13KVA54AMPSTRANSFORMER SIZEKVA54AMPS	THIS DRAWING IS THE PROPERTY OF MATERN PROFESSIONAL ENGINEERING, INC. UNLESS OTHERWISE PROVIDED BY THE CONTRACT, THE CONTENTS OF THIS DRAWING SHALL NOT BE TRANSMITTED TO ANY OTHER PARTY EXCEPT AS AGREED TO BY THE ENGINEER. ENG. BUS. No. EB-0005096 CERT. OF AUTH. No. 5096
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	DTH:         20         DEPTH:         5.75           CONN         TYPE         DESCRIPTION           5         4.0         SPACE           12         5.0         WINDOW A/C           12         5.0	LOAD         CONN         TYPE         AMPS         AMPS         C.B. AMPS         C.B. POLE         REF NOTE         CKT. NO.         REF NOTE         C.B. POLE         C.B. AMPS         AMPS         C.B. POLE         C.KT. NO.         REF NOTE         C.B. NOTE         C.B. POLE         C.B. AMPS         AMPS         AMPS           10         5.0         10         20         1         3         4         1         20         10           10         5.0         10         20         2         5         6         11         20         10           10         5.0         10           7         8         1         20	HAND DRYER - MEN'S RM     8     5.0       8     RECEPTS - ASSMBLY RM     8     5.0       LIGHTS - MEN'S RM     10     5.0       8     LIGHTS - ASSEMBLY RM     8     5.0	OC CLARCONA HORSEMANS PARK
HOOD EXHAUST FAN         8         5.0         8         20         1         9         10         1         20         10         110V CURTAIN RIGHT           REFRIGERATOR         12         7.0         12         20         1         11         12         1         20         10         KITCHEN LIGHTS           KITCHEN LIGHTS         120         2.0         10         20         1         13         14         1         20         10         KITCHEN LIGHTS           110V WINDOW LEFT         10         7.0         10         20         1         15         16         1         20         10         110V HOOD LEFT           10E MACHINE         12         7.0         12         20         1         17         18         1         20         10         110V CURTAIN RIGHT           WINDOW A/C         12         5.0         12         20         1         17         18         1         20         8         LIGHTS           110V ORDER CURTAIN LEFT         10         7.0         10         20         1         21         22         1         15         10         110V CURTAIN RIGHT           STORAGE OUTLET         10	10       7.0         1200       2.0         10       7.0         1000       2.0         100       7.0         100       2.0         100       2.0         100       7.0         100       2.0         100       2.0         SPACE	1       9       10       1       20       10         1       1       11       12       1       20       10         1       1       11       12       1       20       10         1       1       11       12       1       20       10         1       1       11       12       1       20       10         1       1       13       14       1       20       8         1       15       16       1       20       8         1       17       18       1       20       8         1       1       19       20       1       20         1       1       21       22       1       1         1       1       23       24       1       1         1       1       25       26       1       1       1	LIGHTS - LADIE'S RM105.08WATER COOLER85.0EXHAUST FAN - ASSEMBLY RM85.010RECEPTS - EQUIPMENT RM105.0LIGHTS - ASSEMBLY RM85.00LIGHTS - EXTERIOR102.0SPACESPACESPACESPACESPACESPACE	RESTROOMS & CONCESSIONS BLDG HVAC REPLACEMENT
SHUNT TRIP       2       5.0       2       20       1       27       28         26          EAST GRILL       32       7.0       32       50       2       29       30       2       20       10       TOASTER          32       7.0       32         31       32         10          SHUNT TRIP       1.5       50       1       33       34       2       35       20       0       CU-1         WEST GRILL       38       7.0       38       60       2       35       36         20            38       7.0       38       60       2       35       36        20           38       7.0       38         37       38       2       60       40           SHUNT TRIP       2       5.0       2       60       1       39       40        40          SPACE       50	26         7.0           10         7.0           20         11.1           20         11.1           40         12.3           40         12.3           SUBFEED LUGS/BREA	1     27     28     1       1     29     30     1       1     29     30     1       1     31     32     1       1     33     34     1       1     35     36     1       1     37     38     1       1     39     40     1	SPACE SUBFEED LUGS/BREAKER	
Image: Second state of the		120	VISED: 10/18/12	
VOLTS PH.:       240       PANEL: 3535C (EXIST.REVISED)         PHASE :       1       MLO(***)       MCB TYPE: LC       SH         MOUNTING :       SURFACE       MCB       400       SH         TYPE :       SH.TRIP       SH.TRIP       SH       SH         MFR :       EATON       GFP       NOTES AND REFERENCE NOTES:	EXISTING : YES       VOLTS PH.:         CTIONS : 1       PHASE :         NEMA 3R :       MOUNTING :	240         PANEL: 3535R (EXIST. REV)           1         MLO(***)           JRFACE         MCB         200           SQ D         SH.TRIP	EXISTING :       YES         SECTIONS :       1         NEMA 3R :	
(1) ALL C.B.'S FEEDING HVAC EQUIPMENT TO BE HACR TYPE.       SERIES RATED       22       KA(*)         (2) ALL C.B.'S FEEDING ELEV EQUIP TO BE SHUNT-TRIP TYPE.       FULLY RATED       KA       \$ = NEW CB IN EXIST SPACE         (3) ALL C.B.'S FEEDING ELEV EQUIP TO BE SIZED AS REQ'D BY MFR.       FULLY RATED       KA       \$ = NEW CB IN EXIST SPACE         (4) ALL C.B.'S FEEDING HID LTG TO BE HID RATED.       (*) NOTE: MAY REQUIRE FULL RATING TO ACHIEVE       SH = SHUNT TRIP C.B.         (5) NO MULTIWIRE BRANCH CKTS ARE ALLOWED       (*) NOT USED.       AF = ARC FAULT CB	(2) ALL C.B.'S FEEDING EI	VAC EQUIPMENT TO BE HACR TYPE.       SERIES RATED       22       KA(*)         LEV EQUIP TO BE SHUNT-TRIP TYPE.       FULLY RATED       KA         LEV EQUIP TO BE SIZED AS REQ'D BY MFR.       (*) NOTE: MAY REQUIRE FULL RATING TO ACHIEVE	MFR = SIZE CB PER MFR. RECOMMENDATIONS. \$ = NEW CB IN EXIST SPACE & = REPLACE EXIST CB WITH NEW SH = SHUNT TRIP C.B. AF = ARC FAULT CB	RevisionsNo.DateDescription111/10/14REVISION #1
TOTAL AMPS B PH       318       INCREASE SIZE IF REQUIRED TO ACHIEVE QUANTITY OF POLES OR BREAKER SIZE/AIC RATING AS CALLED FOR IN SCHEDULE.       DEMAND         INFO CODE:	77         KVA         320         AMPS           KVA         ERROR CODE	63       (***) NOTE: SIZE SHOWN IS MINIMUM ACCEPTABLE MLO         57       AMPERAGE. INCREASE SIZE IF REQUIRED TO ACHIEVE         QUANTITY OF POLES OR BREAKER SIZE/AIC RATING AS         CALLED FOR IN SCHEDULE.	OPTIONAL CALC <u>NO</u> ACTUAL CONN LOAD <u>14</u> KVA <u>60</u> AMPS DEMAND <u>14</u> KVA <u>60</u> AMPS DIVERSITY <u>14</u> KVA <u>60</u> AMPS TRANSFORMER SIZE <u>KVA</u>	
SECTION 1 WITH MAINS         SECTION 1 WITH MAINS         LOAD         Section 1         UTH MAINS         C.B.         C.B.         REF         NOTE         NOTE         REF         NOTE         N	DTH:         20         DEPTH:         5.75           CONN         TYPE           5         4.0           3         4.0           12         5.0           10         7.0           10         7.0           1000         2.0           10         7.0           SPACE         SPACE	LOAD         C.B.         C.B.         REF         CKT.         REF         C.B.         C.B.         AMPS         A	HAND DRYER - MEN'S RM85.08RECEPTS - ASSMBLY RM85.0LIGHTS - MEN'S RM105.08LIGHTS - ASSEMBLY RM85.010LIGHTS - LADIE'S RM105.08WATER COOLER85.02EXHAUST FAN - ASSEMBLY RM85.010RECEPTS - EQUIPMENT RM105.010LIGHTS - ASSEMBLY RM85.010LIGHTS - ASSEMBLY RM85.0	
WINDOW A/C       12       5.0       12       20       1       19       20       1       20       8       LIGHTS         110V ORDER CURTAIN LEFT       10       7.0       10       20       1       21       22       1       15       10       110V CURTAIN RIGHT         STORAGE OUTLET       10       5.0       10       20       1       23       24       1       40       SHUNT TRIP         EXIST LOAD - NO LABEL       10       7.0       10       20       1       25       26       2       40       26       CHARBROIL         SHUNT TRIP       2       5.0       2       20       1       27       28         26          EAST GRILL       32       7.0       32       50       2       29       30       2       20       10          10       1         10       1         10       1         10       1          10       1         10       1	1000       2.0         10       7.0         5.0       SPACE         26       7.0         26       7.0         10       7.0         10       7.0         67       11.1         67       11.1         42       12.3	1     19     20     1     20       1     21     22     1     1       1     23     24     1     1       1     25     26     1     1       1     27     28     1     1       1     29     30     1     1       1     31     32     1     1       1     33     34     1     1	0     LIGHTS - EXTERIOR     10     2.0       SPACE         SPACE        SPACE        SPACE        SPACE        SPACE        O        SPACE        SPACE        SPACE        SPACE	
SHUNT TRIP       2       5.0       2       60       1       39       40        42        42         SPACE       1       41       42       1       1       59       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50       50		39     40       41     42       KER	SUBFEED LUGS/BREAKER	
EQUIPMENT DESCRIPTION       VOLTS       PH       Y/N       HP       FLA       LRA       FLA       LRA       KW       AMPS       AMPS       FLA       (10)       (10)         GPU-1       240       1       N       1.00       8.0       48.0       22       168       37.7       240.0       67       67       67	IT COPYRIGHT ME, LLC Version : W8 CP PANEL CB (5) CODE SIZE (1) FUSE (2) TYPE (3) CODE TYPE	REVISED: 10-30-2013       DATE: November 10, 2         WIRE PER       NEUTRAL       GROUND       WIRE       # OF       CONDUIT       % VD       NOTES         PHASE (6)       WIRE (7)       WIRE       WIRE       # OF       CONDUIT       % VD       NOTES         #3       #8       COPPER       1       1.00       0.68       E		Key Plan MPE PROJ#:2013-079 Designed By:RB
GPU-1 (HEAT)       240       1       N       -       -       -       10.0       41.7       42       -       -         KEF-1       120       1       Y       0.75       13.8       82.8       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	0     60     1     60     NF       35	#6       #10       COPPER       1       0.75       0.78         #12       #12       #12       COPPER       1       0.75       1.20         #12       #12       #12       COPPER       1       0.75       1.20       E         #12       #12       #12       COPPER       1       0.75       1.20       E         #12       #12       #12       COPPER       1       0.75       1.20         #12       #12       #12       COPPER       1       0.75       1.20         #112       #12       #12       COPPER       1       0.75       0.45         #10       #10       #10       COPPER       1       0.75       1.32	PER NEC, THE EXISTING 400A SERVICE IS ADEQUATE TO HANDLE AN INCREASE IN LOAD OF 70A. THE MAXIMUM MONTHLY DEMAND BEING ONLY 22KW (92A). 92A X 125% = 115A	Drawn By:AG/RB Checked By:CT Issue Date: 9/05/1
NOTES ( ) (1) PROVIDE DISC SW AT ALL PIECES OF EQUIPMENT AS REQUIRED BY THE N.E.C. AND AHJ UNLESS PROVIDED BY OTHERS (INCLUDING AT MOTORS AND AT STARTERS. (2) FUSES SHOWN FOR REFERENCE ONLY, PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT MANUFACTURER. (3) PROVIDE NEMA OUTDOOR BATED ENCLOSURES FOR ALL DISC SWS MOUNTED OUTDOORS	MCP = MOTOR CIRCUIT PROTECTOR W/COMBINATION STARTER MMS = MANUAL MOTOR STARTER SWITCH WITH OVERLOADS AND PILOT LIGHT		115A + 70A = 185A	Drawing Scale: NO SCALE Drawing Title: ELECTRICAL
<ul> <li>(3) PROVIDE NEMA OUTDOOR RATED ENCLOSURES FOR ALL DISC SWS MOUNTED OUTDOORS.</li> <li>(4) COORDINATE STARTER TYPE WITH MECH EQUIP INSTALLER .</li> <li>(5) CONTRACTOR TO VERIFY THAT C.B. FOR COMPRESSORS IS SUFFICIENT TO ALLOW STARTING OF UNIT, IF REQUIRED FOR STARTING C.B. TO BE INCREASED TO A MAX ALLOWED BY N.E.C. CB TO BE HACR RATED.</li> <li>(6) #12 FEEDERS SHOWN AND OVER 50FT. LONG TO BE #10 FOR 120V CIRCUITS. #12 FEEDERS SHOWN AND OVER 100 FT. LONG TO BE #10 FOR 277 V CIRCUITS.</li> <li>(7) NEUTRAL CONDUCTOR TO BE SAME SIZE AS PHASE CONDUCTORS.</li> <li>(8) MOTOR CB IS SIZED BASED ON NEMA CODE 'F' OR HIGHER. CHANGE CB SIZE IF REQUIRED DUE TO NEMA CODE OF MOTOR PER N.E.C.</li> </ul>	I =NEMA I ENCLOSURE3R =NEMA 3R ENCLOSURE4SS =NEMA 4 WATER TIGHT STAINLESS STEEL ENCLOSURE4 =NEMA 4 WATER TIGHT NON-CORROSIVE ENCLOSUREVFD/AFD =VARIABLE (ADJUSTABLE-AFD) FREQ DRIVE UNITNF =NON-FUSED. WHERE ACCEPTABLE TO AHJ, CONTRACTOR MAY USE PROPERLY RATED MOTOR SWITCH FOR DISCONNECT SWITCH	<ul> <li>(D)=CONNECT VIA COMBINATION DISC/STARTER BY DIV. 15/23 CONTRACTOR.</li> <li>(E)=CONNECT VIA DISC SWITCH AT EQUIP. BY DIV. 15/23 CONTRACTOR.</li> <li>(F)=PROVIDE FULL SIZE NEUTRAL.</li> <li>(G)=MMS WITHOUT OVERLOADS.</li> <li>(H)=CONNECT VIA STARTER IN MCC (BY DIV 16/26).</li> <li>(I)=2 SPEED,1 WINDING MOTOR/STARTER.</li> </ul>		SCHEDULES
(9) ALL FEEDERS 100 AMP AND LESS ARE BASED ON 60 DEGREE CONDUCTOR/TERMINATION RATING. ALL OTHER FEEDERS ARE BASED ON 75 DEGREE CONDUCTOR TERMINATIONS. PROVIDE AND INSTALL PROPER TERMINATIONS ON ALL EQUIPMENT PROVIDED BY ANY DIVISION AND/OR SECTION OF THE CONTRACT DOCUMENTS. PROPER TERMINATIONS TO BE AS REQUIRED TO MATCH CONDUCTOR WITH REQUIRED AMPACITY. (10) BASED ON MANUFACTURER'S RECOMMENDATION. (11) OR BRANCH CIRCUIT SELECTION CURRENT WHEN AVAILABLE.	AHJ = AUTHORITY HAVING JURISDICTION. FNVR = FULL VOLTAGE NON-REVERSING DFNVR = DUAL VOLTAGE NON-REVERSING FVC = FULL VOLTAGE CONTACTOR	(J)=COORDINATE WITH DIV.15 TO BALANCE LOAD OF 1 PHASE FTB MOTORS. (K)=PROVIDE NEW STARTER IN MCC TO MATCH EXISTING. SEE MCC SCHED. (L)=WHERE MOTOR IS FED FROM MCC, PANEL CB NOT REQUIRED (M)=CONNECT EXIST DISC SWITCH AT MOTOR. MODIFY AS NOTED ON DRWGS (N)=CONNECT EXIST DISC SWITCH AT MOTOR. MODIFY AS NOTED ON DRWGS		100 % CONSTRUCTION DOCUMENTS Drawing No. $E501$

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