CITY OF LAKE CITY

GROWTH MANAGEMENT
205 North Marion Ave.
Lake City, FL 32055
Telephone: (386)719-5750
E-Mail:
growthmanagement@lcfla.com

FOR PLANNING USE ONLY
Application # SPR 22-01
Application Fee: $200.00
Receipt No.
Filing Date
Completeness Date

Site Plan Application

A. PROJECT INFORMATION

1. Project Name: Walmart #767 OGP Expansion
2. Address of Subject Property: 2767 W US Hwy 90, Lake City, FL 32055
3. Parcel ID Number(s): 35-3S-16-02519-001
4. Future Land Use Map Designation: CG
5. Zoning Designation:
6. Acreage:
7. Existing Use of Property: Retail-Grocery
8. Proposed use of Property: Retail-Grocery
9. Type of Development (Check All That Apply):
   - [x] Increase of floor area to an existing structure: Total increase of square footage 8,467
   - [ ] New construction: Total square footage
   - [ ] Relocation of an existing structure: Total square footage

B. APPLICANT INFORMATION

1. Applicant Status ☐ Owner (title holder) ☒ Agent
2. Name of Applicant(s): Clarence Almonor Title: Agent
   Company name (if applicable): Cuhaci Peterson
   Mailing Address: 930 Woodcock Road, Suite 101, Orlando, FL 32803
   City: Orlando State: FL Zip: 32803
   Telephone: (407) 745-9087 Fax: ( ) Email: ClarenceA@c-p.com
   PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.
   Property Owner Name (title holder): Walmart Stores East LP
   Mailing Address: PO Box 8050
   City: Bentonville State: AR Zip: 72712
   Telephone: (407) 745-9087 Fax: ( ) Email: ClarenceA@c-p.com
   PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
   ***Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.**

C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property?
   If yes, list the names of all parties involved:_____
   If yes, is the contract/option contingent or absolute: ☐ Contingent ☐Absolute
2. Has a previous application been made on all or part of the subject property? ☐Yes ☐No
   Future Land Use Map Amendment: ☐Yes_____ ☐No_____
   Future Land Use Map Amendment Application No._____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning): ☐Yes_____☐No_____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No._____
   Variance:☐Yes_____☐No_____
   Variance Application No._____
   Special Exception: ☐Yes_____ ☐No_____
   Special Exception Application No._____

D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. Vicinity Map – Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.

2. Site Plan – Including, but not limited to the following:
   a. Name, location, owner, and designer of the proposed development.
   b. Present zoning for subject site.
   c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
   d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
   e. Area and dimensions of site (Survey).
   f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
   g. Access to utilities and points of utility hook-up.
   h. Location and dimensions of all existing and proposed parking areas and loading areas.
   i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
   j. Location and size of any lakes, ponds, canals, or other waters and waterways.
   k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
   l. Location of trash receptacles.
   m. For multiple-family, hotel, motel, and mobile home park site plans:
      i. Tabulation of gross acreage.
      ii. Tabulation of density.
      iii. Number of dwelling units proposed.
      iv. Location and percent of total open space and recreation areas.
      v. Percent of lot covered by buildings.

vi. Floor area of dwelling units.
vii. Number of proposed parking spaces.
viii. Street layout.
ix. Layout of mobile home stands (for mobile home parks only).

3. Stormwater Management Plan—Including the following:
   a. Existing contours at one foot intervals based on U.S. Coast and Geodetic Datum.
   b. Proposed finished elevation of each building site and first floor level.
   c. Existing and proposed stormwater management facilities with size and grades.
   d. Proposed orderly disposal of surface water runoff.
   e. Centerline elevations along adjacent streets.
   f. Water management district surface water management permit.

4. Fire Department Access and Water Supply Plan: The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.

5. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.

6. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).

7. Legal Description with Tax Parcel Number (In Word Format).

8. Proof of Ownership (i.e. deed).

9. Agent Authorization Form (signed and notarized).

10. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).

11. Fee. The application fee for a Site and Development Plan Application is $200.00. No application shall be accepted or processed until the required application fee has been paid.

NOTICE TO APPLICANT

All eleven (11) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning & Zoning Board.

A total of ten (10) copies of proposed site plan application and all support materials must be submitted along with a PDF copy on a CD. See City of Lake City submittal guidelines for additional submittal requirements.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES. OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

Clarence Almonor

Applicant/Agent Name (Type or Print)

2/3/2022

Applicant/Agent Signature — Date

Applicant/Agent Name (Type or Print)

Applicant/Agent Signature — Date

STATE OF FLORIDA
COUNTY OF Orange

The foregoing instrument was acknowledged before me this 3rd day of Feb., 2022, by (name of person acknowledging).

(NOTARY SEAL OR STAMP) Notary Public State of Florida Emily N Reed My Commission HH 069448 Expires 12/06/2024

Emily Reed
Signature of Notary

Emily Reed
Printed Name of Notary

Personally Known X OR Produced Identification _____
Type of Identification Produced

Walmart

MAJOR PROJECTS
2022

LAKE CITY, FL
STORE NO.: 0767-247

ADDITION SQFT:	8,467
EXISTING SQFT:	201,789
PROTO CYCLE:	09/24/21
DATE:	11/22/21
PROTO:	188 PROTO SC

DRAWING INDEX

BUILDING CODE SUMMARY

WT	NAME OF PROJECT	LAKE CITY, FL
	STREET ADDRESS	2787 W US HIGHWAY 90
	STORE MANAGER	MATTHEW STANLEY
	PROPOSED USE	MERCANTILE
CODES	BUILDING CODE	2020 FLORIDA BUILDING CODE - BUILDING, 7TH EDITION
	EXISTING BUILDING CODE	2020 FLORIDA BUILDING CODE - EXISTING BUILDING, 7TH EDITION
	ELECTRICAL CODE	2017 NATIONAL ELECTRICAL CODE
	PLUMBING CODE	2020 FLORIDA BUILDING CODE - PLUMBING, 7TH EDITION
	MECHANICAL CODE	2020 FLORIDA BUILDING CODE - MECHANICAL, 7TH EDITION
	FIRE CODE	2020 FIRE PREVENTION CODE - 7TH EDITION
	ACCESSIBILITY CODE	2020 FLORIDA BUILDING CODE - ACCESSIBILITY, 7TH EDITION
	LIFE SAFETY	2020 FLORIDA FIRE PREVENTION CODE, 7TH EDITION (NFPA 1 & 101)
OCCUPANCY	M - MERCANTILE, WHOLESALE OR RETAIL STORE (MAIN USE)	- SECT 306.1
	S1 - STORAGE AREA, MOTOR VEHICLE STATION AND RECEIVING AND STOCKROOMS (MIXED USE)	- SECT 311.2
	A2 - ASSEMBLY USE, BREAKROOM AND FOOD TENANT (ACCESSORY TO MAIN USE)	- SECT 303.1
	B - BUSINESS, NON FOOD TENANT (ACCESSORY TO MAIN USE)	- SECT 304.1
TYPE OF CONSTRUCTION	B-B UNPROTECTED (SPRINKLERED)	PER SECT 602.2 AND TABLES 601 AND 602
ALLOWABLE AREA	UNLIMITED	SECTION 507.2 SECTION 507.3
FIRE PROTECTION	BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM AND IS SURROUNDED ON ALL SIDES BY 60 FEET MINIMUM OF PERMANENT OPEN SPACE. UNLIMITED AREA CRITERIA IS APPLICABLE.	
CLASSIFICATION OF WORK - (EXISTING BUILDING CODE)	LEVEL 2 - ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.	
EGRESS	NO CHANGES PROPOSED TO THE EXISTING BUILDING AREA OCCUPANCY OR EGRESS. ALL EXISTING EXITS TO REMAIN.	

NOTE: EXISTING SQUARE FOOTAGE, EXISTING PATHS AND EGRESS WIDTH WILL NOT BE IMPACTED BY THE REMODEL SCOPE OF WORK.

NOTE: BUILDING WILL BE OCCUPIED DURING CONSTRUCTION. AREAS WILL BE SECTIONED OFF WITH DUST PARTITIONS OR SECURITY FENCING AS NEEDED.

OGP STANDS FOR ONLINE GROCERY PICKUP

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY TABLE 803.11

GROUP	INTERIOR EXIT STAIRWAY AND RAMP AND EXIT PASSAGEWAY	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
A1 & A2	B	B	C
B,E,M,R-1	B	C	C
S	C	C	C
CLASS A: FLAME SPREAD INDEX 0-25, SMOKE DEVELOPED INDEX 0-450			
CLASS B: FLAME SPREAD INDEX 26-75, SMOKE DEVELOPED INDEX 0-450			
CLASS C: FLAME SPREAD INDEX 76-200, SMOKE DEVELOPED INDEX 0-450			

NOTICE OF ACCEPTANCE

PRODUCT CATEGORY	SUB CATEGORY	FLORIDA PRODUCT #	FLORIDA PRODUCT EXPIRATION DATE	NOA #	NOA EXPIRATION DATE
DOORS	AUTOMATIC SLIDING DOORS	FL 18003	APRIL 4, 2023	20-1216.27	APRIL 11, 2023

VICINITY MAP

PROJECT SITE

GENERAL SCOPE OF WORK

- PLACE NEW OGP ADDITION AS NOTED.
- PLACE OGP WALK-IN COOLERS AND FREEZER AS NOTED.
- PLACE OGP EQUIPMENT AS NOTED.
- ADD 31 NEW OGP PARKING STALLS
- NEW RTU'S AND RTU
- NEW OGP DOOR

GENERAL NOTES

1. BUILDING IS FULLY SPRINKLERED AS REQUIRED BY CONTRACT DOCUMENTS. SUBMIT FIRE SPRINKLER SYSTEM DRAWINGS AND CALCULATIONS TO AUTHORITIES HAVING JURISDICTION (FIRE DEPARTMENT, FIRE MARSHAL, ETC.) OBTAIN ALL APPROVALS PRIOR TO FABRICATION OR INSTALLATION.
2. OWNER WILL PROVIDE, OR HAS ALREADY PROVIDED, FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10. AUTHORITY HAVING JURISDICTION WILL APPROVE FINAL FIRE EXTINGUISHER LOCATIONS.
3. WALMART'S ALARM CENTRAL STATION MONITORING TEAM HAS CONTACTED THE AUTHORITY HAVING JURISDICTION FOR FIRE-PLAN DATA ABOUT STATE AND LOCAL REQUIREMENTS THAT DIFFER FROM THE NATIONALLY PUBLISHED CODES AND STANDARDS. A COMPLETE SITE SPECIFIC SUBMITTAL IS BEING MADE DIRECTLY TO THE AUTHORITY HAVING JURISDICTION. QUESTIONS SHOULD BE DIRECTED TO 1-800-530-9934, OPTION 3.
4. THE MAXIMUM STORAGE HEIGHT IS TWELVE FEET EXCEPT IN THE GENERAL MERCHANDISE RECEIVING AREA IMMEDIATELY ADJACENT TO THE DOCK DOORS. THE STOCKROOM WILL HAVE A STACKING HEIGHT OF 15 FEET OF CLASS IVA COMMODITIES IN FIXED, SINGLE AND DOUBLE ROW RACKS. THE STACKING HEIGHT OF THE ROLLING RACK AREA WILL NOT EXCEED 12 FEET.
5. REINSTALL ALL FIRE EXTINGUISHERS IMMEDIATELY FOLLOWING COMPLETION OF FINAL FINISH TO MOUNTING SURFACE.
6. REFER TO GENERAL CONTRACTOR PERMIT REGISTRATION, NOTIFICATION INSPECTION & INSTALLER CERTIFICATIONS/FINAL REPORT LOCATED IN GC PERMIT INFORMATION FOLDER ON OWNER'S DOCUMENT DELIVERY WEBSITE.

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY TABLE 803.13

GROUP	INTERIOR EXIT STAIRWAY AND RAMPS AND EXIT PASSEGEWAY	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
A1 & A2	B	B	C
B,E,M,R-1	B	C	C
S	C	C	C
CLASS A: FLAME SPREAD INDEX 0-25, SMOKE DEVELOPED INDEX 0-450			
CLASS B: FLAME SPREAD INDEX 26-75, SMOKE DEVELOPED INDEX 0-450			
CLASS C: FLAME SPREAD INDEX 76-200, SMOKE DEVELOPED INDEX 0-450			

ARCHITECTURAL	STRUCTURAL	FIRE PROTECTION	MECHANICAL/PLUMBING	REFRIGERATION	ELECTRICAL	BUILDING OFFICIAL
CUMACI & PETERSON LLC ANTHONY D MURPHY 2600 MAITLAND CENTER PKWY, STE. 6300 ORLANDO, FLORIDA 32751 407-661-9100	JOHNSTON BURKHOLDER ASSOCIATES BART J. KALVER BCN 500 CENTRAL STREET KANSAS CITY, MO 64105 816-221-4200	MPW ENGINEERING, LLC. MATTHEW W. ALLEN 110 W. 7TH STREET, STE 600 TULSA, OK 74119 918-825-3082	CUMACI & PETERSON LLC JOSE J. DIAZ 2600 MAITLAND CENTER PKWY, STE. 6200 ORLANDO, FLORIDA 32751 407-661-9100	MPW ENGINEERING, LLC SCOTT O. WEBB 110 W. 7TH STREET, STE 600 TULSA, OK 74119 918-825-3013	CUMACI & PETERSON JASON P. MORAES 1926 PROSPECT AVENUE ORLANDO, FL 32814 407-661-9100	CITY OF LAKE CITY DAVE YOUNG 205 N. MARION AVE. LAKE CITY, FL 32055 386-719-5762

Walmart

STIPULATION FOR REUSE

CONSULTANTS

Walmart
LAKE CITY, FL
2787 W US HIGHWAY 90
STORE NO.: 0767-247
JOB NUMBER: 2310336 PROTO 188 PROTO SC

ISSUE BLOCK

CHECKED BY:	ADM
DRAWN BY:	ASM
PROTO CYCLE:	09/24/21
DOCUMENT DATE:	11/22/21

STATE OF FLORIDA
JOSE J. DIAZ
LICENSED ARCHITECT
12/15/21

COVER SHEET

SHEET
OGP-C1

SYMBOLS LEGEND

- X.XX — REFERENCE AT KEYNOTE INDICATOR
- 15.1 — KEYNOTE INDICATOR
- X.XX / X.XX / X.XX — A KEYNOTE OR BLOCK OF KEYNOTES WITH A LEADER ATTACHED APPLY SPECIFICALLY TO THE ITEM, AREA, OR SURFACE TO WHICH THE LEADER IS POINTING
- SALES 100 — IN ADDITION TO THE ROOM FINISH SCHEDULE, A KEYNOTE OR BLOCK OF KEYNOTES ATTACHED TO THE ROOM NAME TAG APPLY TO THE ENTIRE ROOM
- P3 — COLOR INDICATOR
- 2 / 2-A2 — FULL AND PARTIAL SECTION INDICATOR
- 2 / 2-A2 — EXTERIOR AND INTERIOR ELEVATION INDICATOR
- SALES 100 — ROOM NAME AND NUMBER
- A4 — PARTITION TYPE INDICATOR
- 101 — DOOR INDICATOR
- W — WINDOW INDICATOR
- TV — TV MONITOR
- A — COLUMN LINE INDICATOR
- HIC-0" FFE — HEIGHT ELEVATION INDICATOR
- 100'-0" — PLAN ELEVATION INDICATOR
- 1 / A2 — ENLARGED DETAIL INDICATOR
- 1 / A2 — DETAIL INDICATOR

INSECT CONTROL UNIT LEGEND

FINAL NUMBER OF UNITS REQUIRED IS DETERMINED BY THE WALMART FOOD SAFETY & HEALTH PEST MANAGEMENT AND PEST ELIMINATION SERVICES PROVIDER

TYPE	TOTAL
D	1

NOTES:
1. ALL UNITS TO BE INSTALLED BY THE PEST ELIMINATION SERVICES PROVIDER
2. UNITS ARE NOT TO BE INSTALLED ABOVE ANY FOOD SERVICE/PREP EQUIPMENT
3. UNITS ARE TO BE INSTALLED (INDICATED WITH BROWN RECEPTACLES AND COVERS) AS INSTRUCTED WITHIN THE CONSTRUCTION DOCUMENTS, REFERENCE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR PROPER LOCATION

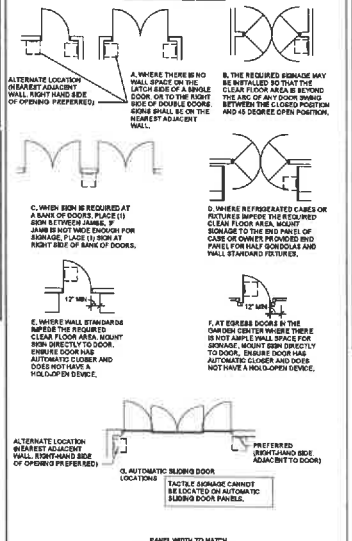
TACTILE EXIT SIGN

TACTILE SIGN REQUIREMENTS

1. A TACTILE SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. REF FLOOR PLANS FOR LOCATIONS.
2. FOR CHARACTER WIDTH, THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT. (ICC A117.1-2009, 703.2.4) CHARACTER HEIGHT MEASURED FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
3. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND.
4. CHARACTERS SHALL CONFORM TO THE FOLLOWING:
   4.a. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
   4.b. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 3/4" HIGH AND A MAXIMUM OF 2".
5. CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 0.090" (2.3 MM) TO 0.100" (2.5 MM) ON CENTER IN EACH CELL WITH 0.241" (6.1 MM) TO 0.300" (7.6 MM) SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 0.025" (0.6 MM) TO 0.037" (0.9 MM) ABOVE THE BACKGROUND.
6. CHARACTERS SHALL BE 48" MINIMUM ABOVE FINISH FLOOR MEASURED FROM THE BASE OF THE LOWEST TACTILE CHARACTER AND 60" MAXIMUM ABOVE FINISH FLOOR MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
7. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE ACTIVE LEAF. AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. TACTILE SIGNS ARE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES. SEE ALTERNATE SOLUTIONS FOR OTHER SCENARIOS.

PREFERRED SOLUTION

ALTERNATE SOLUTIONS



H. WHERE WAREHOUSE RACKS IMPEDE THE REQUIRED CLEAR FLOOR AREA ADJACENT TO THE DOOR, PROVIDE 3/8" A-B PLYWOOD PANEL WITH EASED EDGES AND ATTACH TO THE END OF THE WAREHOUSE RACK USING (4) GALVANIZED CARRIAGE BOLTS, WASHERS AND LOCKNUTS. CARRIAGE BOLTS ARE TO BE SIZED PROPERLY TO ENSURE THE BOLT END DOES NOT PROTRUDE BEYOND THE TOP OF LOCKNUT AND PANEL IS SECURE. IN GROCERY SERVICE AND PREPARATION AREAS, PAINT PLYWOOD P03 UNO.

SITE VERIFICATION REQUIREMENTS:

1. THE ARCHITECT HAS MADE A SCOPE VISIT WITH MEASUREMENTS AND PHOTOGRAPHS OF EXISTING CONDITIONS AND THE ARCHITECTURAL DRAWINGS INDICATE EXISTING CONDITIONS VERIFIED IN THE FIELD. IT, HOWEVER, REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE SUBMISSION OF A BID AND TO THE COMMENCEMENT OF ANY WORK. NO ADDITIONAL COMPENSATION WILL BE PAID DUE TO THE CONTRACTOR'S FAILURE TO VERIFY EXISTING SITE CONDITIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO: GRADES, EXTENT OF PAVING, OR UTILITIES.
2. ANY DISCREPANCY WITH THE EXISTING SITE CONDITIONS AND/OR THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND RESTRUCTURE. THE SE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED AND DRAWN ASSUMING EXISTING BUILDING CONDITIONS MATCH THE ORIGINAL DRAWINGS. THE GENERAL CONTRACTOR, IMMEDIATELY UPON ARRIVAL AT THE SITE, SHALL VERIFY ALL EXISTING STRUCTURAL COLUMN DIMENSIONS, STRUCTURAL BEARING HEIGHTS, EXISTING DIMENSIONS, TOP OF MASONRY ELEVATIONS, ROOFING CONDITIONS (INCLUDING PARAPETS, SCUPPERS AND ROOF DRAINS), AND JOIST BEARING ELEVATIONS PRIOR TO THE FABRICATION OF ANY STRUCTURAL ITEMS. IF DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE DRAWINGS AND EXISTING FIELD CONDITIONS, CONTACT THE WALMART CONSTRUCTION MANAGER AND THE ARCHITECT IMMEDIATELY TO DETERMINE WHAT ACTION SHOULD BE TAKEN TO MATCH EXISTING CONDITIONS. THE BEGINNING OF STRUCTURAL STEEL FABRICATION BY THE GENERAL CONTRACTOR, STEEL FABRICATOR, OR JOIST MANUFACTURER MEANS ACCEPTANCE OF THE EXISTING CONDITIONS.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF A BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE WALMART CONSTRUCTION MANAGER OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY AND MAINTAIN (REPAIR IF DAMAGED) EXISTING IRRIGATION SYSTEMS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL FIELD LOCATE AND VERIFY ALL PROPERTY LINES, EASEMENTS, SETBACKS AND RESTRICTIONS. A REGISTERED SURVEYOR SHALL ESTABLISH ALL PROPERTY LINES AND SETBACKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND CLEARLY FLAG PROPERTY LINES AND SETBACKS. IT REMAINS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DETERMINE EXACT LOCATION OF ALL BAND BOUNDARIES.
6. THE CONTRACTOR SHALL VERIFY EXACT LOCATION & DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION.
7. THE CONTRACTOR SHALL VERIFY ALL GRADES AND PROPOSED FINAL GRADES. IF RAMPS, STOOPS, STAIRS, SIDEWALKS, FLATWORK OR PAVING ARE INSTALLED, VERIFY FINAL GRADES SURROUNDING THE NEW CONSTRUCTION AND ADJACT STAIR RISERS, RAMP LENGTHS, LIMITS OF PAVING, ETC., TO ACCOMMODATE THE REQUIRED RAMP SLOPE, RISER HEIGHTS OR PAVING AREAS. ALL RAMPS AND STAIRS SHALL MEET ADA-ADAAGS (OR ADOPTED HANDICAP ACCESSIBILITY REQUIREMENTS). IF THERE IS A CONFLICT IN FIELD CONDITIONS NOTIFY WALMART CONSTRUCTION MANAGER AND THE ARCHITECT PRIOR TO THE CONSTRUCTION OR OR DERING OF MATERIALS.
8. THE CONTRACTOR SHALL VERIFY THE EXISTING FINISH FLOOR ELEVATION AT ALL NEW OPENINGS OF THE EXISTING BUILDING PRIOR TO ESTABLISHING THE FINISH FLOOR ELEVATION. "TO VERIFY FLOOR ELEVATION. THE CONTRACTOR SHALL REMOVE A SMALL PORTION OF THE BLOCK WALL AT THE PROPOSED OPENING BETWEEN THE EXISTING STORE AND THE ADDITION.
9. THE CONTRACTOR SHALL VERIFY EXISTING FOOTING DEPTHS AND MATCH AT NEW ADDITION TO INSURE PROPER BLOCK COURSING. ANY DISCREPANCY SHALL BE REPORTED TO THE WALMART CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL CORE THE ROOF INSULATION TO DETERMINE ITS THICKNESS AFTER CONTRACT AWARD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MATCH EXISTING ROOF INSULATION THICKNESS ON THE ADDITION UNLESS DIRECTED OTHERWISE TO INSTALL 3-INCH INSULATION IN SEPARATED AND ISOLATED ROOF CONDITIONS. REFER TO ROOFING SPECIFICATION SECTION.
11. REPORT ANY DISCREPANCIES FOUND IN THE FIELD IMMEDIATELY TO WALMART AND THE ARCHITECT PRIOR TO MAKING ANY STRUCTURAL MODIFICATIONS OR ORDERING OF ANY MATERIALS.

GENERAL CONSTRUCTION REQUIREMENTS:

1. ALL WORK SHALL BE DONE IN A SAFE AND WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH THE LOCAL AND/OR STATE (IF APPLICABLE) BUILDING CODES, NATIONAL ELECTRIC CODE, ADA-ADAAG AND OTHER ADOPTED ACCESSIBILITY STANDARDS, OSHA, AND ALL APPLICABLE CODES, REGULATIONS, ORDINANCES AND AUTHORITIES HAVING JURISDICTION (AHJ).
2. PROVISIONS REGARDING THE USE OF GAS AND DIESEL EQUIPMENT WITHIN AN ENCLOSED BUILDING, FORMERLY INCLUDED IN THIS PARAGRAPH, ARE NOW INCLUDED IN SECTION 01361 - REGULATORY COMPLIANCE
3. PROVISIONS REGARDING CORDS FOR ELECTRICAL EQUIPMENT AND ROUTING OF EQUIPMENT CORDS AND HOSES, FORMERLY INCLUDED IN THIS PARAGRAPH, ARE NOW INCLUDED IN SECTION 01361 - REGULATORY COMPLIANCE
4. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO REVIEW THESE DOCUMENTS DOES NOT RELIEVE THE SUBCONTRACTOR OF ANY RESPONSIBILITY FOR PERFORMING WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
5. THE EXISTING BUILDING SHALL BE PROTECTED FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS OR DRAPES AS REQUIRED AND/OR AS DIRECTED BY WALMART CONSTRUCTION MANAGER TO KEEP DUST AND MOISTURE FROM THE OPERATING AREAS OF THE STORE.
6. ANY DAMAGE TO WALMART'S PROPERTY, WHICH OCCURS DURING THE PROCESS OF CONSTRUCTION SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO WALMART. THIS INCLUDES ALL MERCHANDISE. CONTRACTOR SHALL PAY THE COST FOR ALL DAMAGED MERCHANDISE.
7. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE EXISTING BUILDING SECURITY AT ALL TIMES. THIS INCLUDES KEEPING THE BUILDING SECURE FROM PERSONS, ENVIRONMENTAL ELEMENTS OR HAZARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE INTEGRITY OF ALL EXISTING SECURITY SYSTEMS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE STORE MANAGER PRIOR TO THE MODIFICATION OF ANY EXISTING SECURITY SYSTEM FOR THE OPENING (DEMOLITION) OF ANY EXTERIOR WALL.
8. THE CONTRACTOR SHALL KEEP THE WORK AREA CLEAN AND FREE OF DEBRIS AND REMOVE ALL TRASH AND DEBRIS FROM THE CONSTRUCTION AREA DAILY. NO FLAMMABLE MATERIALS OR LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR IN ANY NEW ADDITION.
9. REMOVE ANY EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, FINISHES OR SURFACES AS REQUIRED SHOWN OR NOT SHOWN, FOR THE INSTALLATION OF NEW CONSTRUCTION. PROVIDE FURING FOR CONDUITS AND PIPING, SHOWN OR NOT, AND FINISH OUT FURRING TO MATCH ADJACENT EXISTING FINISHES.
10. REPAIR, REROUTE, AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS TO MAINTAIN NORMAL STORE OPERATIONS AND AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES OR RELATED ITEMS AS REQUIRED FOR PROPER OPERATION.
11. WHEN EQUIPMENT, FIXTURES, FURNISHINGS, ACCESSORIES, SERVICES, FINISHES OR SURFACES ARE TEMPORARILY REMOVED OR RELOCATED IN ORDER TO PERFORM WORK, THE CONTRACTOR IS RESPONSIBLE FOR RETURNING THEM TO THEIR ORIGINAL POSITION. RECONNECTION OF SERVICES AND APPROPRIATE MEANS OF ATTACHMENT UNLESS SPECIFICALLY DIRECTED TO DO OTHERWISE.
12. WHERE EXISTING FINISHES ARE TO REMAIN: CLEAN, REPAIR, PATCH AND REPAINT AS NECESSARY TO BLEND IN WITH ADJACENT WORK. COORDINATE WITH WALMART CONSTRUCTION MANAGER.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY ORDERING OF MATERIALS TO PROHIBIT DELAYS OF THE CONSTRUCTION SCHEDULE OF THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DELIVERY OF MATERIALS IN A TIMELY MANNER.
14. IT IS IMPERATIVE THAT THE ROOF FRAMING, DECKING AND ROOFING SYSTEM BE COMPLETED IMMEDIATELY UPON THE DEMOLITION OF THE EXTERIOR WALL TO ELIMINATE POTENTIAL WATER DAMAGE OR MOISTURE INFILTRATION. THE CONTRACTOR SHALL KEEP THE BUILDING WATERTIGHT AT ALL TIMES.
15. THE GENERAL CONTRACTOR SHALL RESPOND TO ALL REQUIREMENTS OF THE STRUCTURAL ENGINEER/ARCHITECT FOR VERIFICATIONS, RESPONSES, AND SUBMISSIONS.
16. IF MODIFICATION TO SPRINKLER SYSTEM IS REQUIRED THE GENERAL CONTRACTOR SHALL HIRE A LICENSED SPRINKLER CONTRACTOR. CONTRACTOR TO SUBMIT SIGNED AND SEALED SPRINKLER DRAWINGS FOR APPROVAL PRIOR TO ANY ALTERATION OF THE AUTOMATIC SPRINKLER SYSTEM. WORK TO BE DONE UNDER SEPARATE PERMIT.
17. ALL ADJACENT BUILDINGS (IF APPLICABLE) SHALL REMAIN IN SERVICE DURING DEMOLITION/CONSTRUCTION.
18. MUD AND DEBRIS TRACKED ONTO OWNER PAVING OR CITY STREETS TO BE CLEANED IMMEDIATELY.
19. BUILDING COMPONENTS AFFECTED BY THE SCOPE OF WORK AND ALLOWED TO REMAIN SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

DEMOLITION REQUIREMENTS:

1. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO: THE DEMOLITION AND REMOVAL OF WALLS, DOORS, FIXTURES, PLUMBING, PAVING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON DRAWING OR AS REQUIRED FOR THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB.
3. ON-SITE UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 5' BELOW FINISH FLOOR OR A MINIMUM OF 8' ABOVE FINISH CEILING.
4. WHEN REMOVING EXISTING STRUCTURAL ITEMS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING AND SUPPORT SYSTEMS TO KEEP THE EXISTING STRUCTURE INTACT AND IN A SAFE CONDITION. REFER TO SECTIONS 02025 AND 02251.
5. THE CONTRACTOR MAY NOT REMOVE THE BLOCK WALL IN A PROPOSED OPENING PRIOR TO THE ROOFING SYSTEM OVER THE NEW ADDITION BEING MADE WATERTIGHT. COORDINATE WITH THE WALMART CONSTRUCTION MANAGER AND THE STORE MANAGER TO SCHEDULE FOR DEMOLITION FOR NEW OPENINGS.
6. THE CONTRACTOR SHALL REMOVE ANY BUILDING SIGNAGE THAT INTERFERES WITH THE BUILDING ADDITION. WALMART WILL REINSTALL SIGNAGE OR ADD NEW SIGNAGE AT COMPLETION OF ADDITION.
7. NOTES INDICATING DEMOLITION WORK ARE NOT CONFINED SOLELY TO THE DEMOLITION PLANS. THE GENERAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS, INCLUDING OF SCHEDULES AND SPECIFICATIONS, TO DETERMINE FULL EXTENT OF DEMOLITION WORK.

ABBREVIATION LEGEND

GENERAL ABBREVIATIONS

ABBR.	DEFINITION
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADEN	ADDENDUM
ADA	AMERICAN WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWP	ANYWHERE WITHIN PROPERTY
BF	BELOW FINISHED FLOOR
BL	BASE LINE
BM	BOTTOM OF
BOS	BOTTOM OF STEEL
BRG	BEARING
BS	BOTTOM OF STEEL
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRUGATED
CPT	CARPET
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF	FINISH FLOOR
FFE	FIXTURE, FURNITURE, EQUIPMENT
FG	FINISH GRADE
FHC	FIRE HOSE CABINET
FOB	FOUNDATION
FP	FIREPROOFING
FPT	FIBER REINFORCED PLASTIC
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GC	GENERAL CONTRACTOR
GM	GENERAL MERCHANDISE
GR	GROCERY
GR/W BE	GRAB BARS
HC	HANDICAP
HDTV	HIGH DEFINITION TELEVISION
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HTR	HEATER
INS	INSULATION
IPS	INTERCOM PA SYSTEM
JOIST	JOIST
KPI	KEY PERFORMANCE INDICATOR
KSI	KIPS PER SQUARE INCH
LB	POUND
LAM	LAMINATE
LAP	LAPPED HORIZONTAL
LAP	LAPPED LEVEL/VERTICAL
LDED	LOADED
MAX	MAXIMUM
MAU	MECHANICAL AIR UNIT
MEZ	MEZZANINE ELEVATION
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
MSC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPP	OPPOSITE
OPT	POWERED ACTUATED FASTENER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PLAN	PLANE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLT	PLATE
PLF	POUNDS PER LINEAR FOOT
PREF	PREFABRICATED EXPANSION JOINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RC	REFRIGERATION CONTRACTOR
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
REV	REVISE
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SAPFD	SHAMROCK PAINT FIN CLEAN
SHT	SHEET
SCHED	SCHEDULE
SD	SITE DEVELOPMENT
SIM	SIMILAR
SJ	STEEL JOIST INSTITUTE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STRUC	STRUCTURE
TB	TOP AND BOTTOM
TEMP	TEMPERED
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOGB	TOP OF GRADE BEAM
TOM	TOP OF MASONRY
TOPW	TOP OF PARAPET
TOS	TOP OF STEEL
TOWB	TOP OF WALL BEAM
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCP	VINYL COMPOSITION PAINT IN CLEAN
VERT	VERTICAL
VIF	VERIFY IN FIELD
WM	WALMART

DEFINITION LEGEND

FINAL MERCHANDISE PLAN = FINALIZED MERCHANDISE PRINT FROM WM ALSO REFERRED TO AS THE DEAL BOX COPY

Calvert & Pitcher
Consulting Engineers, Inc.
3000 Lakeside Center
Sterling Heights, MI 48310
T (586) 726-1000
F (586) 726-1001
www.c-p.com

STIPULATION FOR REUSE

CONSULTANTS

Walmart

LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO: 0757-247

JOB NUMBER:	2510398	PROTO:	1M4 PROTO 3C

ISSUE BLOCK

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PROTO CYCLE:	09/24/21
DOCUMENT DATE:	11/12/21

STATE OF MICHIGAN
ANTHONY D. MILLER
LICENSED ARCHITECT
AR 3505
12/1/2021

GENERAL INFORMATION

SHEET
OGP-N1

TOTAL EGRESS FOR SALES FLOOR OCCUPANCY: 15

1. IF ONLY MEANS OF CUSTOMER ENTRANCE IS THROUGH ONE EXTERIOR WALL OF BUILDING ONEHALF OF REQUIRED EGRESS WIDTH FROM THE FLOOR SHALL BE LOCATED IN SUCH WALL (37.2.8.7)

8 OCC x .30 = 1.8" REQUIRED
15 OCC x .36 – 5" PROVIDED

DISTANCE OF TRAVEL - TABLE 1017.2

FSC. SPRINKLERED
NFPA. SPRINKLERED

OCCUPANCY LOAD CALCULATIONS -IBC TABLE 1004.1.2 AND NFPA 101 TABLE 7.3.1.2:

STOCKROOM	4486 SF / 300 =	15	OCCUPANTS
TOTAL OCCUPACY LOAD	4486 SF	15	

EGRESS WIDTH REQUIRED -IBC SECTION 1005.3.2 AND NFPA TABLE 7.3.3.1:

FSC. SPRINKLERED		.2SF	
EGRESS INCHES REQUIRED	(IBC)	0.20	INCHES PER PERSON SERVED
EGRESS INCHES REQUIRED	(NFPA)	0.2	INCHES PER PERSON SERVED
MINIMUM CLEAR WIDTH=	32"		FOR 3'-0" DOOR OPENING
	44"		FOR 4'-0" DOOR OPENING
	48"		FOR 4'-0" DOOR OPENING
	136"		FOR 12'-0" AUTOMATIC DOOR OPENING

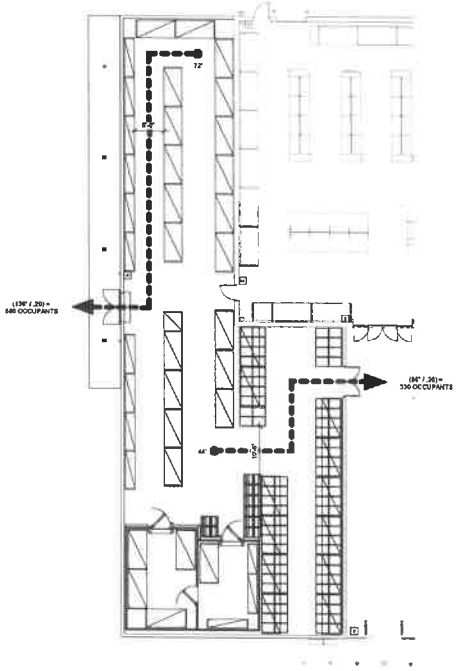
EGRESS WIDTH REQUIRED (INCHES) EQUALS
(AREA OCCUPANT LOAD) x (EGRESS WIDTH PER PERSON SERVED)

SHEET NOTES

1. WHERE MERCHANDISE OR OTHER OBSTRUCTION OCCURS, NO LESS THAN ONE AISLE OF A 66" MINIMUM CLEAR WIDTH SHALL LEAD DIRECTLY TO AN EXIT FOR A CLASS A MERCANTILE OCCUPANCY (37.2.8.6).
2. ALL EXIT SIGNS AND EMERGENCY LIGHTS ARE EXISTING TO REMAIN AND WILL BE SUBJECT TO INSPECTION FROM THE FIRE MARSHAL HAVING AUTHORITY PRIOR TO FINAL APPROVAL.
3. 250' MAX. TRAVEL DISTANCE IS SHOWN AS A DASHED LINE.
4. MODIFICATION (4.3.2.2.1.3) THE RECONFIGURATION OF ANY SPACE, THE REDISTRIBUTION OR EXTENSION OF ANY SYSTEM, OR INSTALATION OF ANY ADDITIONAL EQUIPMENT

LEGEND

- - - - - LINE REPRESENTS 250 FEET OR LESS OF TRAVEL DISTANCE TO EXIT DOORS WITH DIRECTION ARROW



1 ENLARGED OGP ADDITION LIFE SAFETY PLAN
1" = 16'-0"

Walmart
LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO: 0767-247
JOB NUMBER 230328 | PROTO 186 PROTO SC

ISSUE BLOCK

CHECKED BY	ADM
DRAWN BY	ASM
PROTO CYCLE	08/24/21
DOCUMENT DATE	11/22/21

12/15/21

LIFE SAFETY PLAN

SHEET
OGP-LS1

PICKUP REFRIGERATED CASE LEGEND

WOS NUMBER	QTY.	DESCRIPTION	MFG OR SUPPLIER	MODEL NO.	NOTES
R0135.001	3	[illegible] CURTAIN [illegible]			
R0166.001	2	PUSH THROUGH VESTIBULE [illegible]	KPS GLOBAL	PCAV	
[illegible]	[illegible]	[illegible] PANEL [illegible]	KPS GLOBAL LLC		10, 11

EQUIPMENT NOTES

1. REFERENCE SHEET A1 FOR EQUIPMENT LOCATION
5. FINISHES FOR OWNER SUPPLIED EQUIPMENT ARE SPECIFIED PER SID ALIGNMENT BETWEEN OWNER AND OEM
10. EQUIPMENT INSTALLED BY EQUIPMENT SUPPLIER
11. RETROFIT DOORS/SIDE PROVIDED BY OWNER AND INSTALLED BY EQUIPMENT SUPPLIER
18. SCALE STAND FURNISHED BY OEM AND INSTALLED BY GC

GENERAL EQUIPMENT NOTES

A. ALL EQUIPMENT IS SUPPLIED BY OWNER, INSTALLED BY THE GENERAL CONTRACTOR, GENERAL CONTRACTOR TO MAKE FINAL UTILITY CONNECTIONS. UNLESS OTHERWISE NOTED
B. REFERENCE SPECIFICATIONS FOR REFRIGERATED AND HOT DISPLAY CASES FOR SUPPLIED BY, INSTALLED BY, AND FINAL CONNECT BY
C. REFERENCE SPEC APPENDIX A FOR MANUFACTURER AND MODEL NUMBERS NOT LISTED IN EQUIPMENT LEGENDS
D. OWNER TO SUPPLY SIX FIXTURES BY WILHOLT

946 PICKUP STORAGE

WALLS
- ETR: PATCH AND REPAIR WALLS AS NEEDED.

FLOOR
- EC: ETR

CEILING
- OPEN TO STRUCTURE UNO.

DEMO NOTES

1. SALES FLOOR TO BE ACCESSIBLE TO CUSTOMERS DURING NON-CONSTRUCTION HOURS. REMOVE CONSTRUCTION FENCING AND DUST WALLS INTERFERING WITH CUSTOMER CIRCULATION OR ACCESS.
2. DEMOLITION INCLUDES BUT IS NOT LIMITED TO ITEMS SHOWN DASHED.
3. REMOVE ALL DOORS SHOWN DASHED. REFER TO DOOR SCHEDULE FOR DOOR AND FRAME REPLACEMENT.
4. COORDINATE REMOVAL AND DISPOSAL OF EXISTING FIXTURES WITH MECHANICAL SERVICES CONSTRUCTION MANAGER.
5. REMOVAL OF GONDOLAS AND/OR RACKING AS INDICATED ON F&S SHEETS WILL BE PERFORMED BY OTHERS.

LEGEND

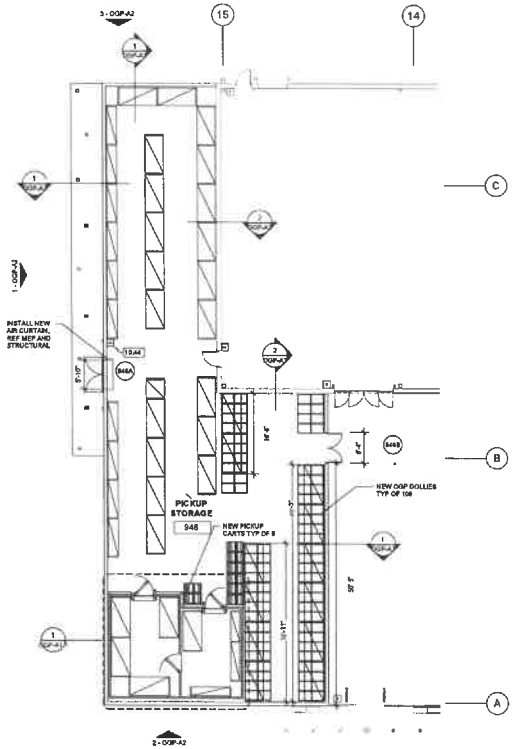
- EXISTING TO REMAIN
- DEMOLISH/REMOVE
- CMU WALL
- NEW

SHEET NOTES

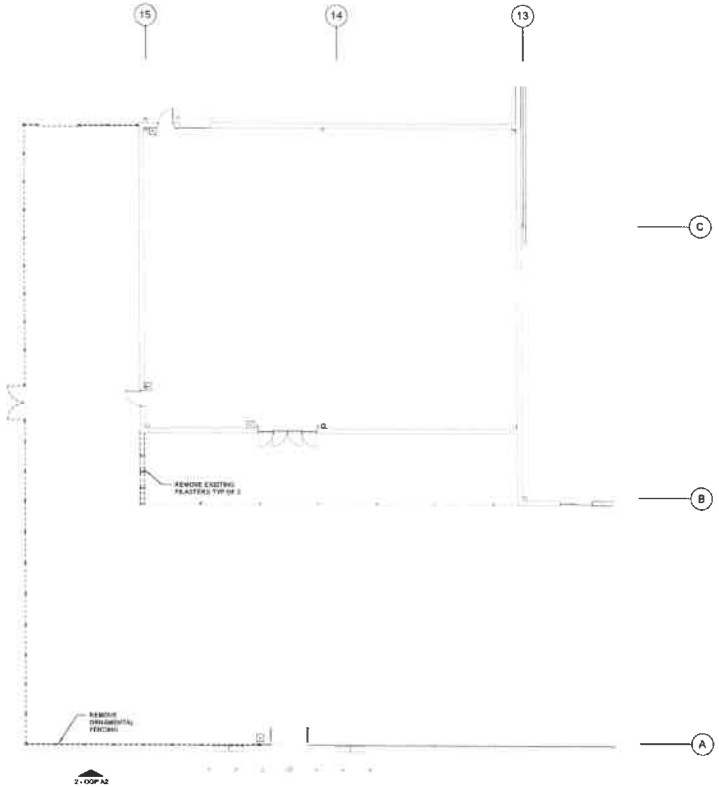
1. NOT USED
2. ALL STEEL RACKS TO BE FURNISHED BY WALMART AND ANCHORED BY CONTRACTOR. REFER TO RACK ANCHORAGE PLAN FOR STEEL RACK AND/OR GONDOLA SHELVING FIXTURE ANCHORING REQUIREMENTS.
3. REPAIR BOLT HOLES AND SPALLS RESULTING FROM MERCHANDISE FIXTURE AND OR STORAGE RACK RELOCATION OR REMOVAL. REF SPEC 03600. FILL ALL BOLT HOLES AND SPALLS RESULTING FROM FIXTURE AND OR STORAGE RACK RELOCATION OR REMOVAL IN NON CUSTOMER ACCESSIBLE AREAS WITH NON SHRINK GROUT.
4. STUD WALL DIMENSIONS ARE TO THE FACE OF THE STUDS.
5. WALLS AND INFILL OF EXISTING OPENINGS ARE TO MATCH THE CONSTRUCTION AND FINISHES OF ADJACENT EXISTING WALLS.
6. ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN EXISTING ADJACENT STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING
   A. SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS. SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
   B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE ANCHORS. APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
   C. COVER UTILITIES WITH 25 GAUGE STAINLESS STEEL SENT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS. APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
7. RELOCATION AND SETUP OF GONDOLAS AND/OR RACKING AS INDICATED ON F&S SHEETS WILL BE PERFORMED BY OWNER, ANCHORING OF UPRIGHTS TO BE PERFORMED BY GENERAL CONTRACTOR, ON SPECIAL PROJECTS. RELOCATION AND SETUP OF GONDOLAS AND/OR RACKING AS INDICATED ON THIS SHEET WILL BE PERFORMED BY GC.
8. REMOVAL OF GONDOLAS AND/OR RACKING AS INDICATED ON F&S SHEETS WILL BE PERFORMED BY OWNER, ON SPECIAL PROJECTS. REMOVAL OF GONDOLAS AND/OR RACKING AS INDICATED ON THIS SHEET WILL BE PERFORMED BY GC.
9. LOCATE ALL 48" DEEP RACKS 6" FROM WALLS AND COLUMNS UNO.
10. LOCATE ALL RACKS LESS THAN 44" DEEP 3" FROM ALL WALLS AND COLUMNS UNO.

KEYNOTES

[illegible] PROVIDE [illegible] CONDITIONAL REF NH.



2 OGP FLOOR PLAN
1" = 10'-0"



1 OGP DEMOLITION PLAN
1" = 10'-0"

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LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO. 0767-247
JOB NUMBER: 321039 PROTO: 1st PROTO GC

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DOCUMENT DATE	11/22/21

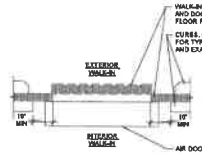
STATE OF FLORIDA
ANTHONY M. NEU
REGISTERED ARCHITECT
12/13/21

FLOOR PLAN

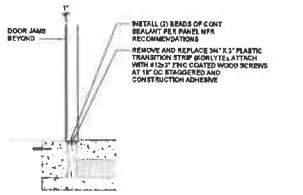
SHEET
OGP-A1

NOTE:
1. SEALED CONCRETE CURBS ARE TO BE FORMED AFTER WALLS, WALK-INS, ETC ARE IN PLACE, USING FACE OF WALL OR WALK-IN PANEL AS SIDE FORM
2. TYPICAL DETAIL. REF PLAN FOR DOOR ORIENTATION
3. WATERPROOFING

NOTES
1. REFRIGERATION CONTRACTOR TO PROVIDE GALVANIZED CLOSURE PANELS AT ALL VERTICAL GAPS AND AT ALL HORIZONTAL GAPS 62" OR LOWER AFF BETWEEN REFRIGERATED CASE, WALLS, AND/OR EQUIPMENT.
2. PROVIDE STAINLESS STEEL CLOSURE PANELS LOCATED IN PREP AREAS.
3. REF FLOOR PLANS FOR ALL PARTITION TYPES AND LOCATIONS.
4. EASE EXPOSED EDGES TO SMALL UNIFORM RADIUS.
5. SET CLOSURE PANEL IN A BED OF SEALANT EACH SIDE.
6. FASTEN CLOSURE PANELS WITH #8 PAN HEAD SCREWS AT 9" OC.
7. CLOSURE PANELS TO BE FASTENED ONLY TO THE BACK OF THE REFRIGERATED CASE OR END PANEL SKINS AS INDICATED IN THE DRAWINGS.

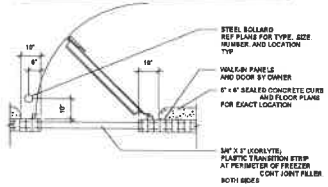


14 PUSH THROUGH VESTIBULE (HCR) DOOR AT WALK-IN
1/2" = 1'-0"



13 WALK-IN COOLER/FREEZER TRANSITION
3/4" = 1'-0"

NOTE
1. SEALED CONCRETE CURBS ARE TO BE FORMED AFTER WALLS, WALK-INS, ETC ARE IN PLACE, USING FACE OF WALL OR WALK-IN PANEL AS SIDE FORM
2. TYPICAL DETAIL. REF PLAN FOR DOOR ORIENTATION
3. FOR WATERPROOFING



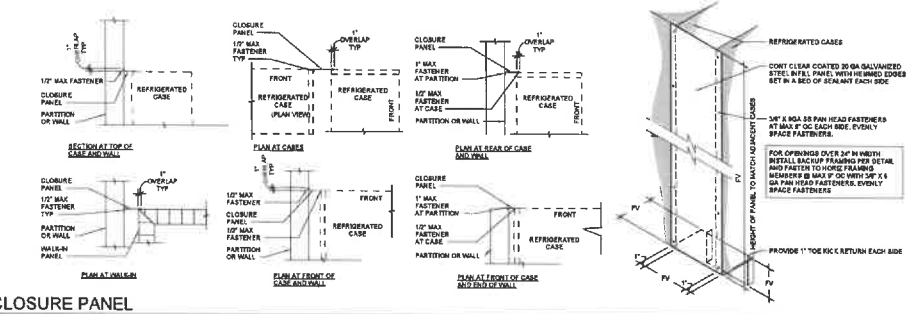
12 SINGLE ACTING DOOR AT WALK-IN
1/2" = 1'-0"

GENERAL NOTES

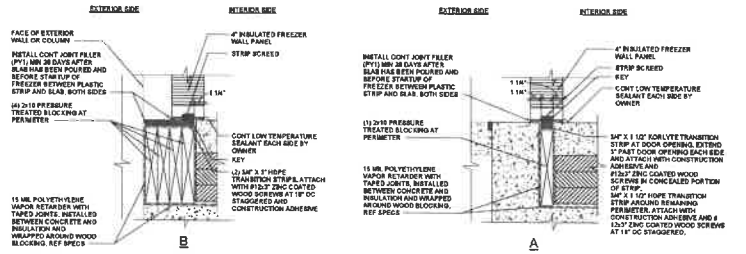
1. PROPER INSTALLATION OF JOINT SEALANTS IS CRITICAL TO MEETING OWNER QUALITY ASSURANCE STANDARDS. PROVIDE SEALANTS IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS
2. ALL JOINTS BETWEEN DISSIMILAR MATERIALS SHALL BE SEALED AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. SUCH JOINTS NOT SHOWN OR SCHEDULED SHALL BE SEALED WITH SEALANTS CONSISTENT WITH SPECIFIED MATERIALS OR AS RECOMMENDED BY THE MANUFACTURER FOR THE SPECIFIC APPLICATION
3. INTERIOR SEALANTS USED IN FOOD PREPARATION AREAS SHALL MEET THE REQUIREMENTS FOR USE IN USDA REGULATED FACILITIES
4. REF AS FOR FINISH SCHEDULE
5. REF A1 PLANS FOR ADDITIONAL ITEMS FURNISHED BY OWNER

KEYNOTES

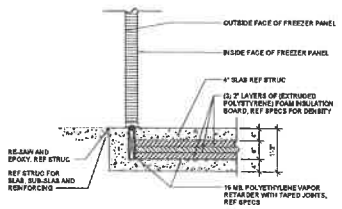
5.13 6" (WIDE) X 6" (HIGH) CONTINUOUS CONCRETE CURB WITH SMOOTH HARD TROWEL FINISH AT BASE OF WALK-IN BOX



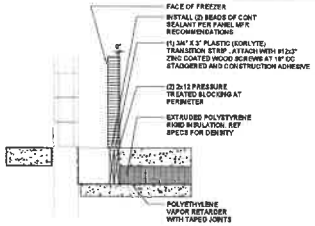
11 CLOSURE PANEL
3/4" = 1'-0"



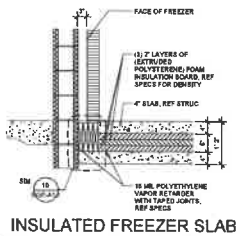
10 ENLARGED DETAIL AT PLASTIC TRANSITION STRIP
1" = 1'-0"



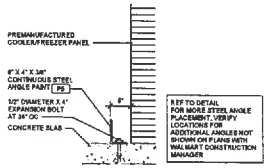
9 INSULATED FREEZER PAD
3/4" = 1'-0"



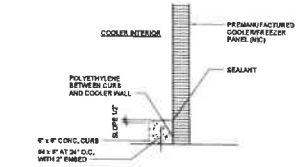
8 INSULATED FREEZER SLAB AT EXTERIOR WALL
3/4" = 1'-0"



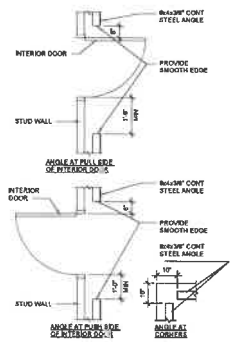
7 INSULATED FREEZER SLAB AT NEW EXTERIOR WALL
3/4" = 1'-0"



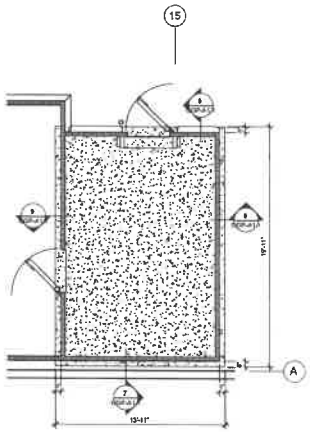
6 PROTECTOR ANGLE
1" = 1'-0"



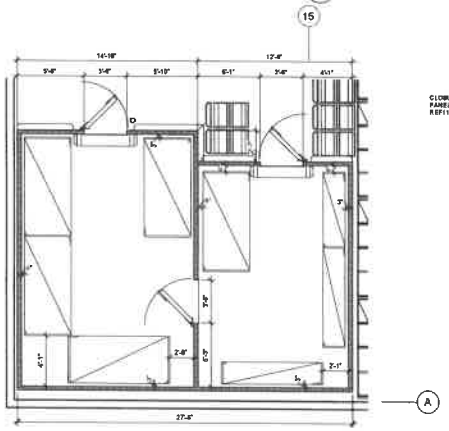
5 CURB DETAIL
1" = 1'-0"



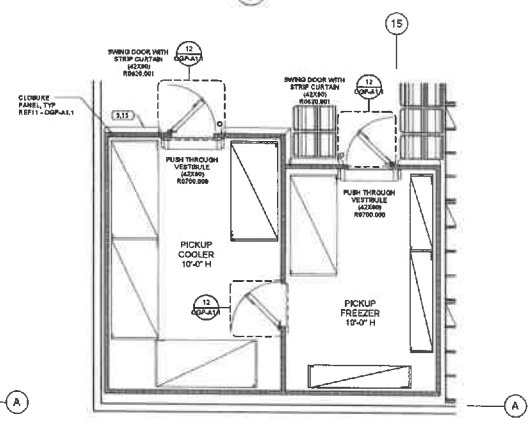
4 PROTECTOR ANGLE
1/2" = 1'-0"



3 FREEZER UNDERSLAB PLAN
1/4" = 1'-0"



2 ENLARGED WALK-IN COOLER/FREEZER DIMENSION PLAN
1/4" = 1'-0"



1 ENLARGED WALK-IN COOLER/FREEZER PLAN
1/4" = 1'-0"

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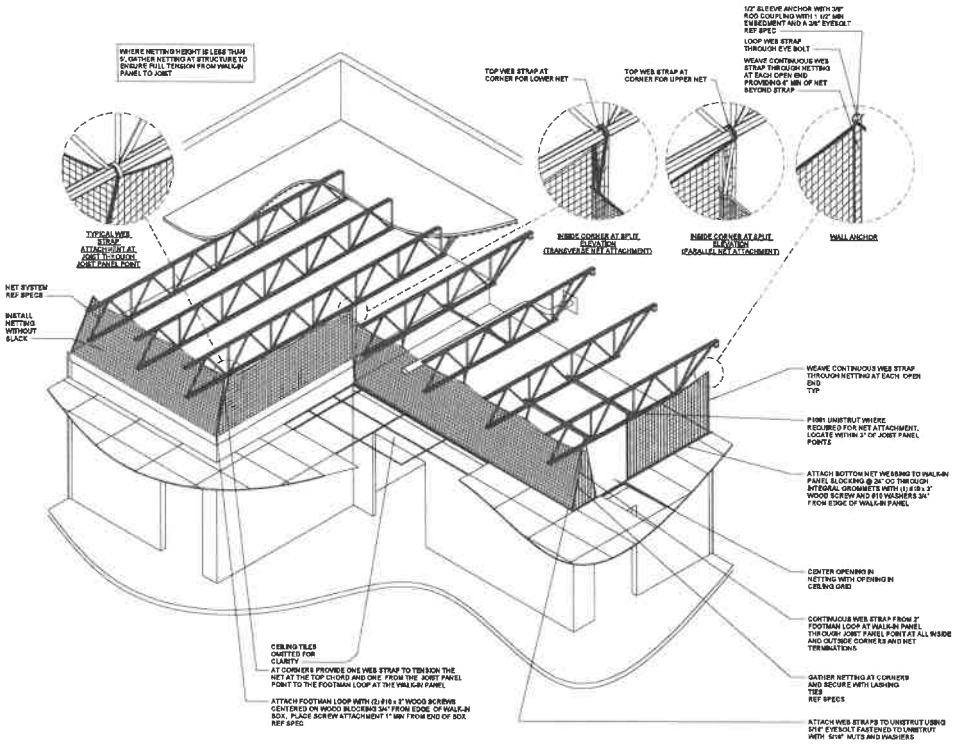
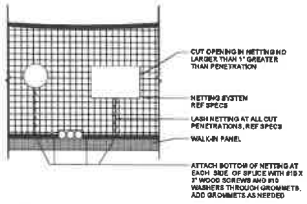
ENLARGED PLANS AND DETAILS

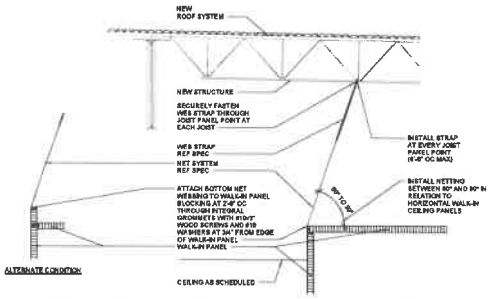
SHEET
OGP-A1.1



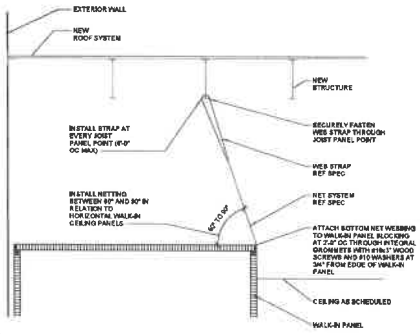
5 NET SYSTEM ON WALK-IN BOX
1/4" = 1'-0"



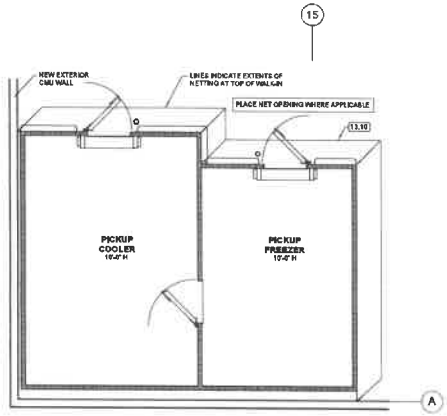
4 NETTING PENETRATIONS
1/2" = 1'-0"



3 NET SYSTEM ATACHMENT PERPENDICULAR TO STRUCTURE
3/8" = 1'-0"



2 NET SYSTEM ATTACHMENT PARALLEL TO STRUCTURE
3/8" = 1'-0"



1 WALK-IN EDGE PROTECTION PLAN
1/4" = 1'-0"

SHEET NOTES

1. INSTALLATION SHALL NOT COMMENCE UNTIL WALK-INS AND ALL WORK ABOVE IS INSTALLED. GC SHALL COORDINATE INSTALLATION WITH OWNER CONSTRUCTION MANAGER AND ALL TRADES AND WORK BY OTHERS.
2. MEASURE, CUT, AND INSTALL ALL NETTING AND ACCESSORIES PER MANUFACTURER'S INSTRUCTION MANUAL. NETTING MAY LEAN INWARD (TOWARDS CENTER OF WALK-IN BOX), BUT SHALL NOT LEAN OUTWARD (BEYOND PARALLEL TO FACE OF BOX).
3. WHERE DUCTS OR PIPING REQUIRE PENETRATION OF NETTING, CUT NETTING AROUND DUCTS OR PIPES AND LASH NETTING ACCORDINGLY.
4. NOT USED

GENERAL NOTES

1. ROUTE CONDUITS, UTILITIES, AND SUPPORTS 6" MIN AWAY FROM WALK-IN PANEL EDGES TO ALLOW FOR NET INSTALLATION
2. ATTACH BOTTOM WEB OF NET @ 24" OC THROUGH INTEGRAL GROMMETS WITH #10 X 3" WOOD SCREWS AND #10 WASHERS 3/4" FROM EDGE OF WALK-IN PANEL.
3. CONTINUE STRAP FROM WALK-IN PANEL TO JOIST PANEL POINT OR GIRDER AT CORNERS. ADDITIONAL STRAP REQUIRED.
4. REF SPECIFICATION 13300 FOR VERTICAL BARRIER NETTING SYSTEM AND COMPONENTS.

KEYNOTES

13.10 CUT NET OPENING TO ACCOMMODATE WITH CEILING GRID ACCESS WHEN APPLICABLE

Cooke & Peterson Architects Engineers Planners
2000 Capitol Circle SW
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Fax (850) 681-3161
www.cooke-peterson.com
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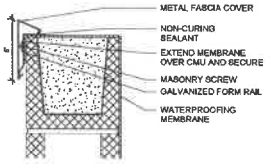
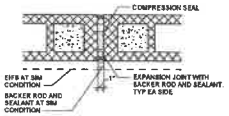
EDGE PROTECTION

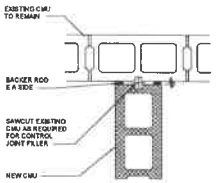
SHEET
OGP-A1.2



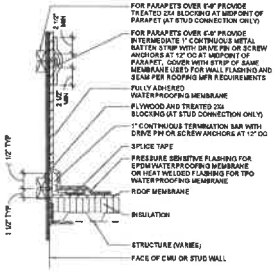
7 PARAPET CAP FLASHING
3" = 1'-0"



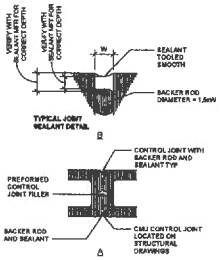
6 EXPANSION JOINT
1 1/2" = 1'-0"



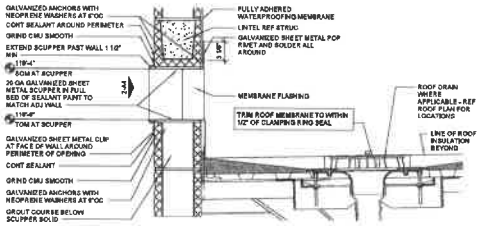
5 CONTROL JOINT AT EXISTING CMU
1 1/2" = 1'-0"



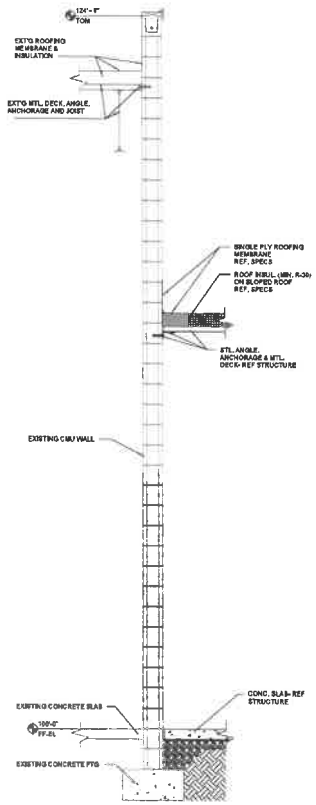
8 FLASHING MEMBRANE
1 1/2" = 1'-0"



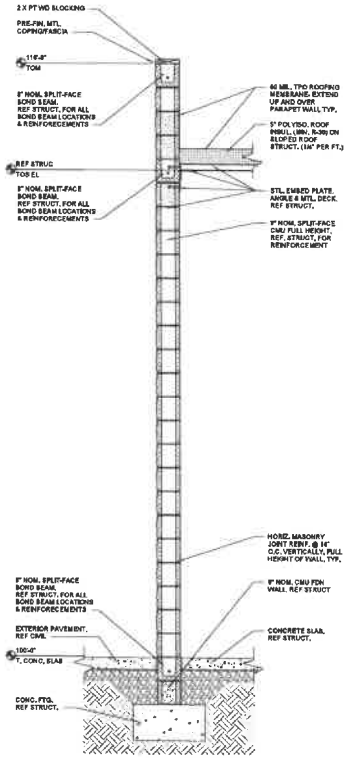
4 CONTROL JOINT
1 1/2" = 1'-0"



3 THROUGH WALL OVERFLOW DETAIL
1 1/2" = 1'-0"



2 EXISTING WALL SECTION
1" = 20'-0"



1 SIDE WALL SECTION
3/4" = 1'-0"

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SECTIONS AND DETAILS

SHEET:
OGP-A3

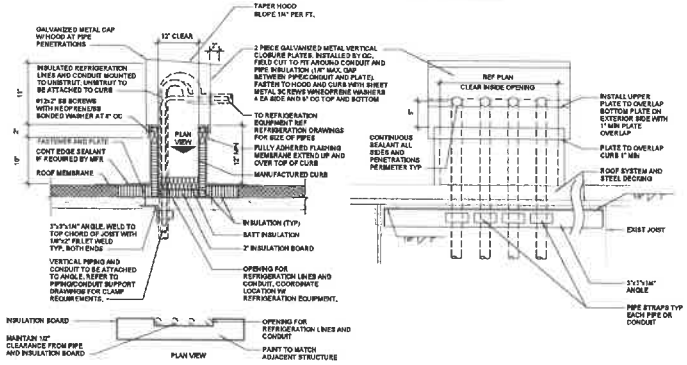
ROOF LEGEND

	EXISTING ROOF HATCH
	EXISTING RTU/AHU
	NEW RTU/AHU
	EXISTING SKY LIGHT
	NEW SKY LIGHT
	EXISTING EXHAUST FAN
	NEW EXHAUST FAN

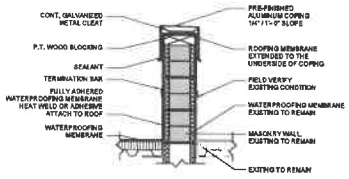
SHEET NOTES

1. REFER TO MECHANICAL DRAWINGS FOR VENTS AND FLUE LOCATIONS
2. PROVIDE CRICKET AT ALL AT ALL MECHANICAL EQUIPMENT RTU'S, ETC. INSTALL ROOFING INSULATION WITH 1/2" PER FOOT SLOPE TO PROVIDE POSITIVE DRAINAGE AROUND UNITS
3. NOT USED
4. MAINTAIN 8" MIN FROM TOP OF ROOF MEMBRANE TO TOP OF CURB AT CRICKETS
5. REF A4 FOR TYPICAL ROOF PENETRATION DETAILS
6. LOCATIONS OF RTU'S AND AHU'S ARE APPROXIMATE. CONTRACTOR MAY ADJUST LOCATION SO EDGES OF CURB FALL WITHIN 3" OF JOIST PANEL POINTS. IF CURB CANNOT BE ADJUSTED SO BOTH CURB EDGES ARE WITHIN 3" OF JOIST PANEL POINTS ADD SUPPORTING PER STRUC. TO JOIST WHERE CURB EDGE/EDGES ARE MORE THAN 3" FROM JOIST PANEL POINT, REF. STRUC.
7. NOT USED
8. TAKE APPROPRIATE ACTION NOT TO DAMAGE INTERIOR ELECTRICAL CONDUIT THAT MAY BE ATTACHED TO THE UNDERSIDE OF THE ROOF DECK. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE DONE.
9. CURB AND WALL FLASHING SHALL BE COMPLETELY ADHERED TO SUBSTRATE WALL AND SHALL BE FULLY ADHERED AND FREE OF WRINKLES.
10. WALKWAY PAD SHALL BE INSTALLED AT ALL SERVICE SIDES OF RTU'S, AROUND ROOF HATCH AND TWO ROWS AT JIB HOIST.
11. NO TEMPORARY FLASHING SHALL BE INSTALLED.
12. REMOVE THE EXISTING EPDM MEMBRANE, INSTALL AN ADDITIONAL 1.5#/ SQ AND A NEW MECHANICALLY FASTENED TPO MEMBRANE OVER EXISTING INSULATION. IN AREAS WHERE THE MEMBRANE IS FULLY ADHERED, THE MEMBRANE SHOULD BE CUT IN A 10" GRID AND SHOULD NE REMOVED ALONG THE INSULATION REPLACE WITH SAME THICKNESS TO MATCH ADJACENT INSULATION MEMBRANE.
13. ALL FIELD INSTALLED SCREWS REQUIRE NEOPRENE WASHERS

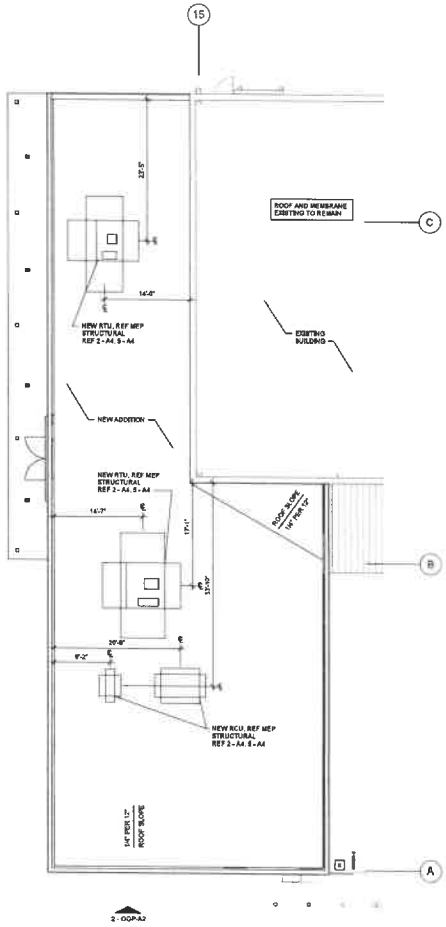
INSTALLATION NOTES
1. THE ROOF PENETRATION CURB, HOOD AND CLOSURE PLATES ARE FURNISHED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR
2. ALL HOOD PENETRATIONS SHALL BE THROUGH THE VERTICAL CLOSURE PLATES ONLY, PIPING AND CONDUIT SHALL BE INSTALLED BY THE TRADE CONTRACTOR S WITH THE PIPE AND CONDUIT CENTERLINES 5" ABOVE THE TOP OF THE ROOF CURB WITH A MINIMUM OF 1" BETWEEN THE PIPE AND CONDUIT EXTERNAL SURFACE
3. THE GENERAL CONTRACTOR SHALL CUT AND INSTALL THE VERTICAL CLOSURE PLATES AFTER ALL PIPING AND CONDUITS ARE INSTALLED AND SEAL ALL PENETRATIONS AS NOTED IN THE DETAIL AND PROVIDE CONTINUOUS SEALANT AT THE PERIMETER JOINT BETWEEN THE CLOSURE PLATES AND HOOD AND CURB AND WHERE THE CLOSURE PLATES OVERLAP, REF SEALANT SPECIFICATION. EXPANDING FOAM SEALANT SHALL NOT BE USED WHERE SEALANT IS EXPOSED TO THE EXTERIOR.
4. EXTEND EXTERIOR REFRIGERANT AND WATER LINE EXTERNAL PVC INSULATION JACKET 1" INSIDE HOOD METAL CLOSURE PLATES.



7 REFRIGERATION LINE ROOF PENETRATION
1" = 1'-0"

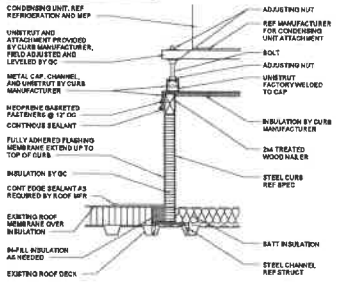


6 FLASHING SECTION
1" = 1'-0"

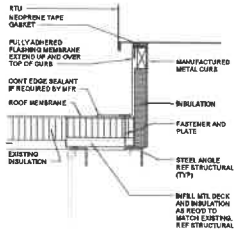


1 OGP - ROOF PLAN
1/8" = 1'-0"

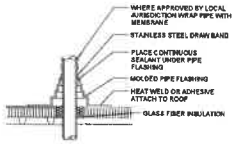
NOTE TO GC:
PROVIDED CURB IS NOT SLOPED. UNISTRUT ASSEMBLY MUST BE LEVELED IN DIRECTION OF ROOF SLOPE PRIOR TO INSTALLATION OF CONDENSING UNIT.



5 CONDENSER UNIT CURB
1 1/2" = 1'-0"



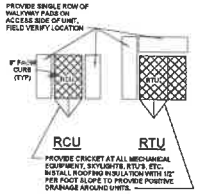
4 ROOF TOP UNIT
1 1/2" = 1'-0"



3 ROOF PENETRATION
1" = 1'-0"

NOTE: FOR ROOF PENETRATIONS LOCATED WHERE WALKWAY PADS ARE INSTALLED, TRIM WALKWAY PADS 4" FROM EDGE OF ROOF PENETRATION FLASHING BEFORE PAD INSTALLATION.

NOTE: DO NOT INSTALL WALK WAY PADS UNTIL ROOF PENETRATION FLASHINGS ARE COMPLETE.



2 PAD LAYOUT
1/2" = 1'-0"

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ROOF PLAN

SHEET
OGP-A4

NEW DOOR AND FRAME SCHEDULE OGP

DETAIL REFERENCED ARE TO SHEET A6.UNO

MARK	ROOM NAME	DOOR NEW/ETR	DOOR TYPE	DOOR MATERIAL	DOOR QTY	DOOR NOMINAL SIZE WIDTH	DOOR NOMINAL SIZE HEIGHT	DOOR GLASS	FRAME NEW/ETR	FRAME TYPE	FRAME MATERIAL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL THRESHOLD	FIRE RATING (MIN)	NOTES	MARK	SCHP PHASE
900A		NEW	E	PLASTIC	1	3'-0"	7'-0"	ACRYLIC	ETR	—	FIELDP	—	—	—	—	—	900A	NEW
948A	PICKUP STORAGE	NEW	—	ALUM	1	14'-0"	8'-0"	TEMPERED	NEW	1	ALUM	—	—	—	—	—	948A	NEW
948B	PICKUP STORAGE	NEW	F	HM-STL	PR	3'-0"	7'-0"	—	NEW	2	HM-STL	3-A8	3-A8	4-A8	—	—	948B	NEW

GENERAL FINISH NOTES

1. PAINT ALL METAL DOOR FRAMES VISIBLE TO CUSTOMER (EXCEPT DOOR 9 IN CMU WALLS) WITH EPOXY PAINT. PREP SURFACE TO BE PAINTED PER SPECIFICATIONS.
2. PAINT ALL HM DOORS AND FRAMES LOCATED IN NEWLY PAINTED WALLS AS INDICATED:
   - DOORS AND FRAMES SHALL BE PAINTED PI-2 UNO
   - PAINT NEW DOORS PI-02 IF ADJACENT WALLS ARE UNFINISHED UNO
3. AT ROOMS SCHEDULED TO RECEIVE NEW PAINT: OMIT PAINT AT WALLS CONCEALED BY HALF-GYPSOCK AS, WALL STANDARDS OR WAREHOUSE RACKING WITH FEG-BOARD BACKING. AT WALL STANDARDS, GYPSOCKAS AND WAREHOUSE RACKING WITHOUT FEG-BOARD BACKING, PAINT WALL TO BASE.
4. AT EXPOSED PAINTED STRUCTURE OR DECK: PAINT NEW CONDUIT, DUCTWORK AND FIRE SPRINKLER PIPING (FIRE SPRINKLER HEADS TO REMAIN UNPAINTED) TO MATCH ADJACENT STRUCTURE OR DECK.
5. FOR PROTECTIVE WALL SURFACING WAINSCOT, INSTALL OUTSIDE CORNER TRIM. REFERENCE SPECIFICATIONS.
6. WHERE NEW PROTECTIVE SURFACING WAINSCOT IS TO BE INSTALLED: REMOVE EXISTING LAMINATE AND/OR FINISHES TO BASE SUBSTRATE PRIOR TO INSTALLATION OF NEW. INSTALLATION OF NEW PROTECTIVE SURFACING OVER EXISTING IS NOT ACCEPTABLE. NO EXCEPTIONS.

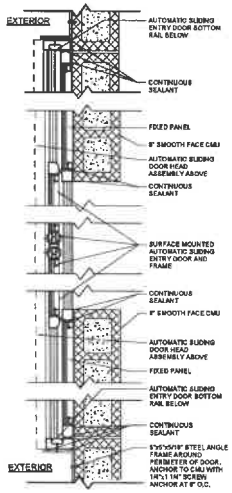
GENERAL DOOR NOTES

1. PREFINISHED DOOR AND HARDWARE FURNISHED AND INSTALLED BY VENDOR.
2. AUTOMATIC OPENER INSTALLED BY VENDOR. REF SPEC.
3. CARD READER INSTALLED BY VENDOR. REF SPEC.
4. NOMINAL SIZE FOR HEIGHTS AND WIDTHS ARE DETERMINED BY THE PACKAGE HEIGHT AND WIDTH FROM DOOR VENDOR.

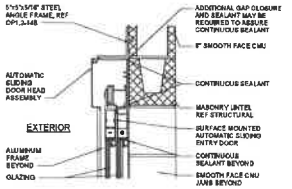
FINISH KEY

REF SPECIFICATIONS FOR EXACT COLORS REQUIRED

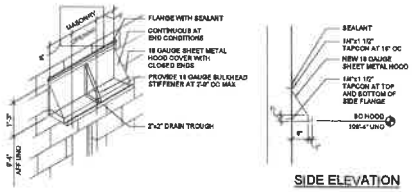
MARK	FINISH	COLOR	DETAIL
ACT1	ACOUSTICAL CEILING TILE	WHITE	24"x48"
ACT2	ACOUSTICAL CEILING TILE	WHITE	24"x48" WHITE FACED NON-PERFORATED
ACT3	ACOUSTICAL CEILING TILE	WHITE	24"x48"
ACT4	ACOUSTICAL CEILING TILE	WHITE	24"x48"
ACT5	ACOUSTICAL CEILING GRID	WHITE	
BS	PLASTIC BASE	BLACK	6"x1/8"
BS	PLASTIC BASE	BLACK	4"x1/8"
BS2	PLASTIC BASE OUTSIDE CORNER	BLACK	
CT	CUSHION BACK TILE CARPET		
CT	CUSHION BACK TILE CARPET	ANANAT	
CC	CONCRETE CURB		
CT1	ENTRY TILE	RED	12" x 24" x 3/8"
CT4A	FORC CLUB WALL TILE	BEIGE	12" x 12" x 3/8"
CT44	FORC CLEAN FLOOR TILE	GRAY	12" x 12" x 3/8"
CT46	WALL TILE	WHITE	3" x 6" x 3/8"
C147	WALL TILE	BLUE	4" x 12" x 3/8"
CT48	FLOOR TILE	TAUPE (BRAUNER)	12" x 24" x 3/8"
CT49	COVE BASE	TAUPE (BRAUNER)	6" x 12" x 3/8"
DB	DURALTUFF BASE	BLACK	6"
DB10	DURALTUFF BASE	BLACK	10"
ETR	EXISTING TO REMAIN		
FRP1	FIBERGLASS REINFORCED PLASTIC	WHITE	FRP WALL PANEL
FRP2	FIBERGLASS REINFORCED PLASTIC	BEIGE	FRP WALL PANEL
FRP3	FIBERGLASS REINFORCED PLASTIC	ALMOND	FRP WALL PANEL
FT1	FAUX SUBWAY TILE	WHITE	
GR	GROUT	DARK GRAY	
GC	GROUT	DARK GRAY	
GS	GROUT	LIGHT TAN	
GW	GROUT	GRAY	
GT	GROUT	BROWN	
GR1	GROUT	BLACK	
GR2	GROUT	GRAY	
HRC1	HEAT RESISTANT COATING	TO MATCH COPPER BACKING BY SELLBRIGHT	
HRC2	HEAT RESISTANT COATING	MATCH DARK GRAY	
EG	INTERNAL COLORED CONCRETE	BROWN	
P1	PAINT	"LOYAL BLUE" #6051	
P2	PAINT	"SAFETY YELLOW" OSHA STANDARD	
P3	PAINT	SAFETY YELLOW	
P4	PAINT	"BLUE SURF" #7603	
P14	PAINT	"GOLDENROD" #6011	
P16	PAINT	"SOFTPRIMER" #7011	
P17	PAINT	SAFETY RED	
P18	PAINT	CREAM	
P30	PAINT	"SUBWAY" #9000	
P38	PAINT	BLACK	
P40	PAINT	"CARBONN" #6002	
P42	PAINT	DARK GRAY	
P75	PAINT	"WALMART BLUE" #6075	
P75L1	PAINT	WALMART BLUE (LIFETIME LIKE)	
P80	PAINT	BLACK	
P81	PAINT	"TAMARIND" #7008	
P83	PAINT	"NOTABLE HUE" #6075	
P92	PAINT	"BEACH HOUSE" #7003	
P107	PAINT	"STRAW HARVEST" #7000	
P112	PAINT	"BUTTERFIELD" #6076	
P136	PAINT	"KNOCKOUT ORANGE" #6002	
P139U	PAINT	PELRUP ORANGE (URETHANE-LIKE)	
P141	PAINT	"PARTY TOUR" #7003	
P150	PAINT	LIGHT GRAY	
P152	PAINT	MEDIUM GRAY	
P153	PAINT	WHITE	
P156	PAINT	"CASA BLANCA" #7015	
P161	PAINT	"RUPPERCORN" #7011	
P162	PAINT	BLACK GRAY	
P163	PAINT	"PUBLISH" #6003	
P164	PAINT	"CLASSIFIED GRAY" #6002	
P166	PAINT	"FESTOON ROAM" #6013	
P169	PAINT	"DARK BLUE"	
P168	PAINT	"BIG WHITE" #7006	
P167	PAINT	"CONTEMPORARY GRAY" #6002	
P168	PAINT	"CARGO BLUE" #6 #6003	
P170	PAINT	"PASSIVE GRAY" #7004	
PI4	LOADCOTE	METALLIC	
PL1	PLASTIC LAMINATE	"ORGANIC COTTON" WILSONART 4848-38	
PL2	PLASTIC LAMINATE	MAPLE	
PL3	PLASTIC LAMINATE	LIGHT TAN	
PL11	PLASTIC LAMINATE	NORTH SEA GRAY	
PL16	PLASTIC LAMINATE	BROWN	
PL18	PLASTIC LAMINATE	TAN	
PL30	PLASTIC LAMINATE	ALICE	
PL31	PLASTIC LAMINATE	"FEEL MEDIUM" WILSONART 4211	
PL34	PLASTIC LAMINATE	"MERRY WILSONART 3100-60	
PS1	PROTECTIVE SURFACE	WALMART RED BLUE IMPACT SPECIAL TBD	
PS4	PROTECTIVE SURFACE	"BLOWING EMBER" IMPACT SPECIAL TBD	
PS5	PROTECTIVE SURFACE	"FRESH LIMON" IMPACT SPECIAL TBD	
PS6	PROTECTIVE SURFACE	YELLOW	
PS7	PROTECTIVE SURFACE	"GRAY PATTERN"	
PS9	PROTECTIVE SURFACE	"MAPLE"	
PS9	PROTECTIVE SURFACE	"WHITE GLOSS"	
PS10	PROTECTIVE SURFACE	"BLACK"	
PS11	PROTECTIVE SURFACE	"MATTE LUSH CHARCOAL"	
PVC1	PVC PLANK FLOORING	WOODGRAIN	
RT1	QUARRY TILE	GRAY	6"x6" SERAPUNA
RT2	QUARRY TILE	RED	6"x6" SERAPUNA
RF1	RECYCLED RUBBER FLOORING	SLATE/BLUE	
SC61	SANITARY COVE BASE	RED	6" H ANTIMICROBIAL PLASTIC FOR QT
SC62	SANITARY COVE BASE	GRAY	6" H ANTIMICROBIAL PLASTIC FOR QT
SC64	SANITARY COVE BASE	RED	6" H ANTIMICROBIAL PLASTIC
SC65	SANITARY COVE BASE	GRAY	6" H ANTIMICROBIAL PLASTIC
SS	STAINLESS STEEL		
LT1	SOLID SURFACE		
TC	TEXTURED CONCRETE		
VCT1	VINYL COMPOSITION TILE	WHITE	12"x12"x1/8"
VCT11	VINYL COMPOSITION TILE	BEIGE	12"x12"x1/8"
VCT12	VINYL COMPOSITION TILE	TAN	12"x12"x1/8"
WB	2x8 WOOD BASE		
WB10	2x10 WOOD BASE		
WG	PLASTIC WALL GUARD	BLACK OR GRAY	



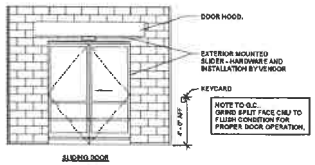
8 IMPACT BI-PARTING SLIDING DOOR JAMB EXTERIOR MOUNTED
1 1/2" = 1'-0"



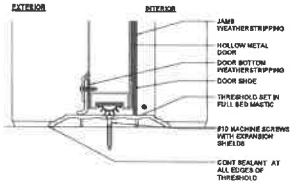
7 IMPACT SLIDING DOOR HEAD EXTERIOR MOUNTED
1 1/2" = 1'-0"



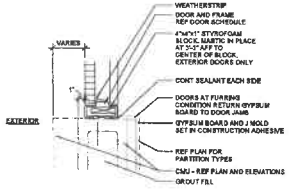
6 DOOR HOOD
1/2" = 1'-0"



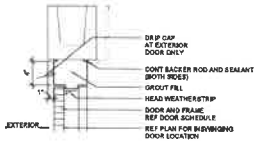
5 SLIDING DOOR ELEVATION
1/4" = 1'-0"



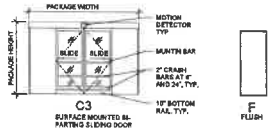
4 THRESHOLD
3" = 1'-0"



3 JAMB
1 1/2" = 1'-0"



2 HEAD
1 1/2" = 1'-0"



1 DOOR TYPES
3/16" = 1'-0"

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LAKE CITY, FL
2767 W US HIGHWAY 90
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STATE OF FLORIDA
ANTHONY B. MONTANEZ
AR 95627
LICENSED ARCHITECT
12/15/21

DOOR SCHEDULE AND FINISHES

SHEET:
OGP-A5

WALK-IN BOX PROJECTS

—NOTE—

THIS DOCUMENT IS INTENDED TO DESCRIBE IMPORTANT ELEMENTS OF THIS PROJECT AND TO DEFINE THE RESPONSIBLE PARTIES FOR THIS WORK STREAM. IT IS NOT MEANT TO BE AN EXHAUSTIVE SOURCE OF INFORMATION OR A COMPLETE SCOPE OF WORK. IT SHOULD BE READ AND USED IN CONJUNCTION WITH ADDITIONAL, DETAILED INFORMATION IN THE WALMART REALTY ONE BEST WAY STANDARDS LIBRARY, AND IN PUBLICATIONS AVAILABLE FROM THE MANUFACTURER.

#	SCOPE OF WORK	RESPONSIBLE PARTY		
		BATTEN AND SEAL	REFLINE	REPLACE EVAPORATOR/BOX
		REMODEL	REMODEL	REMODEL
1	DEPENDING ON THE SCOPE OF WORK, FURNISH BATTEN AND SEAL, RELINE OR WALK-IN PANELS MATERIALS.	PS/WMT	PS/WMT	PS/WMT
2	DEPENDING ON THE SCOPE OF WORK, FURNISH NEW EVAPORATORS AS REQUIRED.	OEM/WMT	OEM/WMT	OEM/WMT
3	DEPENDING ON THE SCOPE OF WORK, FURNISH NEW EVAPORATOR CONTROL PANELS	EMS/WMT	EMS/WMT	EMS/WMT
4	FURNISH AND INSTALL ALL REFRIGERANT AND DRAIN PIPING.	RC	RC	RC
5	FURNISH ALL FIELD-INSTALLED REFRIGERATION VALVES.	OEM/WMT	OEM/WMT	OEM/WMT
6	FURNISH ALL ISOLATION VALVES.	RC	RC	
7	FIELD-INSTALL ALL REFRIGERATION VALVES.	RC	RC	RC
8	FURNISH ALL CONTROLS CABLING AS NECESSARY TO COMPLETE THE WORK. (24 VOLTS OR LESS)	EMS	EMS	EMS
9	INSTALL AND TERMINATE CONTROLS WIRING (24 VOLTS OR LESS) AS DETAILED ON THE PRINTS.	RC	RC	RC
10	FURNISH AND INSTALL ALL ELECTRICAL POWER CABLING FROM POWER SOURCE TO THE EVAPORATOR CONTROL PANEL IF NECESSARY.	GC	GC	GC
11	TERMINATE POWER CABLES TO THE EVAPORATOR CONTROL PANEL.	RC	RC	RC
12	PREFABRICATE AS MUCH OF THE NEW PIPE WORK AND ELECTRICAL CONDUIT AS POSSIBLE AND MOUNT ANY NEW DEVICES IN ORDER TO REDUCE THE AMOUNT OF "DOWN TIME" NEEDED TO COMPLETE THE INSTALLATION.	RC	RC	RC
13	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT.	GC	GC	GC
14	OBTAIN HOT WORK PERMITS AS REQUIRED.	GC	GC	GC
15	FURNISH TEMPORARY REFRIGERATED STORAGE AS NECESSARY.	WMT	WMT	WMT
16	NOTIFY THE EMS VENDOR 24 HRS. IN ADVANCE OF THE WORK - TELL THEM WHICH WALK-IN BOXES ARE BEING IMPACTED.	RC	RC	RC
17	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEM AND WHICH WALK-IN BOX WILL BE IMPACTED BY THE WORK.	RC	RC	RC
18	REMOVE ALL OF REFRIGERATED PRODUCTS FROM THE WALK-IN BOX THAT IS BEING IMPACTED.	WMT	WMT	WMT
19	SHUT DOWN THE WALK-IN BOX THAT IS BEING IMPACTED. NOTE: ALLOW LOW TEMP ROOMS TO "DEFROST" FOR A PERIOD OF 72 HOURS TO ENSURE ALL ICE HAS MELTED FROM THE PANELS. ICE MELT NEEDS TO BE KEPT CLEARED THROUGHOUT THIS TIME TO ENSURE THAT WATER IS NOT REABSORBED BY THE PANELS.	RC	RC	RC
20	REMOVE ALL OF THE RACKING FROM INSIDE THE WALK-IN BOX THAT IS BEING IMPACTED.	WMT	WMT	WMT
21	REMOVE ANY PROTECTION DEVICES / STRUCTURES THAT WILL IMPEDE THE COMPLETION OF THE WORK.	GC	GC	GC
22	REMOVE ALL UTILITIES (CONDENSATE PIPING, CONDUITS, J-BOX, LIGHTING, FIRE SUPPRESSION ETC.) IN ORDER TO ALLOW FOR THE WORK TO BE CARRIED OUT.	N/A	GC	GC
23	REMOVE THE APX REPEATER FROM THE WALK-IN BOX THAT IS BEING IMPACTED. STORE THE DEVICE FOR REUSE FOLLOWING COMPLETION OF THE WALK-IN WORK.	GC	GC	GC
24	REMOVE THE REFRIGERATION EVAPORATOR(S) FROM THE AFFECTED WALK-IN BOX AS NEEDED.	N/A	GC	GC
25	SEAL ANY GAPS IN THE PANEL JOINTS WITH SEALANT OR EXPANDABLE FOAM PRIOR TO TAPING THE JOINT.	PS	PS	N/A
26	CLEAN WALLS AND REPAIR ANY FAULTY PANELS IN PREPARATION FOR BATTEN / SEALING OF THE WALL JOINTS WITHIN THE BOX THAT IS BEING REPAIRED. CARRY OUT THE BATTEN AND SEAL PROCESS.	PS	N/A	N/A
27	CLEAN WALLS AND REPAIR ANY FAULTY PANELS IN PREPARATION FOR RELINING THE BOX THAT IS BEING REPAIRED. RELINE THE WALK-IN BOX AND BATTEN / SEAL THE CEILING JOINTS WITHIN THE BOX AFFECTED.	N/A	PS	N/A
28	DISCONNECT ANY FALL PROTECTION NETTING FROM THE TOP OF THE WALK-IN BOX, LEAVING IT ATTACHED TO THE ROOF MEMBERS. STOW IT OUT OF THE WAY FOR FUTURE REUSE. DEMOLISH AND REMOVE THE EXISTING WALK-IN BOX AS NOTED ON THE PROJECT PRINTS.	N/A	N/A	PS
29	PROVIDE SUPPORT FOR ANY ITEMS THAT MAY BE MOUNTED TO THE EXTERIOR OF THE WALK-IN BOX THAT WILL REMAIN IN SERVICE DURING THE BOX REPLACEMENT. (FOR EXAMPLE PANEL BOARDS, EMS BACKBOARDS ETC.)	N/A	N/A	GC
30	REPLACE THE WOODEN THERMAL BREAKS AS NECESSARY.	N/A	N/A	GC
31	INSTALL NEW WALK-IN BOX. HANG THE NEW DOOR AND ENSURE THAT ALL HARDWARE FUNCTIONS.	N/A	N/A	PS
32	RETRIEVE ANY FALL PROTECTION NETTING FROM THE ROOF MEMBERS. AND REATTACH IT TO THE TOP OF THE WALK-IN BOX AS DESCRIBED ON THE PRINTS.	N/A	N/A	GC
33	REATTACH ANY ITEMS PREVIOUSLY MOUNTED TO THE EXTERIOR OF THE WALK-IN BOX THAT WERE TEMPORARILY SUPPORTED DURING THE WALK-IN BOX REPLACEMENT. (FOR EXAMPLE PANEL BOARDS, EMS BACKBOARDS ETC.)	N/A	N/A	GC
34	INSTALL NEW PROTECTION DEVICES AS INDICATED ON THE PRINTS. REINSTALL ANY EXISTING PROTECTION DEVICES OR STRUCTURES AS REQUIRED. ENSURE THAT ANY UNDISTURBED PROTECTION DEVICES ARE FIXED SECURELY.	GC	GC	GC
35	INSTALL THE NEW EVAPORATORS (MECHANICAL, ELECTRICAL, PLUMBING AND CONTROLS) AND CONTROL PANELS AS DETAILED ON THE PRINTS.	N/A	N/A	RC
36	EVACUATE AND PRESSURE TEST THE NEW EVAPORATORS AND ANY PIPING MODIFIED DURING THE WORK.	N/A	N/A	RC
37	INSTALL AND COMMISSION REFRIGERANT LEAK DETECTION SYSTEM AS NOTED ON THE PROJECT PRINTS.	N/A	N/A	RC
38	INSTALL / MODIFY ALL UTILITIES FOR FINAL BOX CONFIGURATION. (CONDENSATE PIPING, CONDUITS, J-BOX, LIGHTING, FIRE SUPPRESSION ETC.) INSTALL CONDUIT FOR APX CABLING, SEAL ALL PENETRATIONS PER SPECIFICATION.	GC	GC	GC
39	SWITCH ON THE REFRIGERATION, LIGHTING AND OTHER SYSTEMS WITHIN THE WALK-IN.	RC	RC	RC
40	COMMISSION THE NEW EVAPORATORS, VALVES AND CONTROLS AS REQUIRED. CHECK AND ADJUST MECHANICAL T&V SUPERHEATS TO OEM RECOMMENDATIONS AND EPR SETTINGS PER NEW LEGEND.	N/A	N/A	RC
41	CARRY OUT ANY CONTROLS PARAMETER CHANGES.	N/A	N/A	EMS
42	CARRY OUT ANY CONTROLS PARAMETER CHANGES AND PERFORM REMOTE CHECKOUT.	N/A	N/A	RC
43	FURNISH CONTROLS SUPPORT TO THE INSTALLING CONTRACTOR.	N/A	N/A	EMS
44	NOTIFY WMT BUILDING CONTROLS THAT THE WALK-IN BOX IS RUNNING AND ONLINE.	RC	RC	RC
45	REINSTALL / RECOMMISSION THE APX REPEATER DEVICE.	WMT	WMT	WMT
46	INSTALL NEW SHELVING / RACKING AS INDICATED ON THE PLANS. RE-INSTALL RACKING AS NECESSARY.	WMT	WMT	WMT
47	ANCHOR RACKING AS INDICATED ON THE PLANS.	GC	GC	GC
48	INSTALL CIRCUIT LABELS TO THE NEW WALK-IN BOX, CONTROLLERS AND EVAPORATORS AS REQUIRED.	RC	RC	RC
49	CARRY OUT A THOROUGH LEAK TEST ON ALL WELDED AND MECHANICAL JOINTS INSTALLED OR DISTURBED DURING THE PROJECT.	RC	RC	RC
50	HANDOVER THE COMPLETED WALK-IN BOX TO THE STORE. (WALK-IN BOX MUST BE CLEAN, AT OPERATIONAL TEMPERATURE AND FULLY FUNCTIONAL)	GC	GC	GC
51	RESTOCK PRODUCT BACK INTO THE WALK-IN BOX.	WMT	WMT	WMT
52	HAUL OFF ALL OF THE OLD WALK-IN PANELS FROM SITE (IF APPLICABLE). NOTE. QUICK REFRIGERATION TO HAUL OFF ALL WALK-IN BOX PANELS FROM TEXAS PROJECTS.	GC/PS	GC/PS	GC/PS
53	REMOVE THE OLD LEGENDS AND INSTALL REPLACEMENT LEGENDS AS SUPPLIED BY THE EOR / OEM. PROVIDE NEW TYPEWRITTEN SCHEDULES FOR ANY AFFECTED ELECTRICAL PANELS.	RC	RC	RC
54	SHUT DOWN AND ARRANGE FOR THE REMOVAL OF ANY TEMPORARY, REFRIGERATED STORAGE.	WMT	WMT	WMT
55	AFTER ALL CHANGES HAVE BEEN MADE TO A RACK, REMOVE ANY COMPRESSOR SUCTION FILTERS / SOCKS AND REPLACE THE RACK LIQUID LINE FILTERS. LEAVE THE OLD FILTERS / DRIERS IN THE RACK HOUSE TO BE INSPECTED BY THE MCM.	RC	RC	RC
56	SUBMIT REQUIRED VERISAE AND OTHER REGULATORY FORMS AS REQUIRED BY THE END OF COMMISSIONING WEEK. COMPLETED VERISAE FORMS ARE TO BE EMAILED TO...	RC	RC	RC
57	CLEAR SITE OF ALL TOOLS, UNUSED INSTALLATION MATERIALS AND TRASH.	RC/PS	RC/PS	RC/PS
58	LOOSEN AND RE-TIGHTEN OR REMOVE AND RE-INSTALL UTILITIES (CONDENSATE PIPING, CONDUITS, J-BOX, FIRE SUPPRESSION, ETC.) AS REQUIRED IN ORDER TO ALLOW FOR THE WORK TO BE CARRIED OUT	GC	GC	GC

ROOFTOP AND AIR HANDLING UNIT (RTU & AHU)

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#	SCOPE OF WORK	RESPONSIBLE PARTY
		REMODEL
1	FURNISH THE NEW / NEW REPLACEMENT ROOF TOP UNITS / AIR HANDLING UNITS AND ANCILLARY ITEMS (AIR INTAKE HOODS, CONDENSATE TRAPS ETC.)	OEM/WMT
2	FURNISH ANY NEW CURBS, ADAPTER CURBS AND HOLD DOWN (HURRICANE) CLIPS / BRACKETS AND MOUNTING HARDWARE REQUIRED FOR THE RTU / AHU.	AE/WMT
3	FURNISH ANY NEW EMS PANELS, AUXILIARY BOARDS AND OTHER CONTROL COMPONENTS REQUIRED TO COMPLETE THE PROJECT.	EMS/WMT
4	FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THE WORK.	GC
5	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH RTU'S WILL BE IMPACTED BY THE WORK.	GC
6	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT.	GC
7	ARRANGE FOR AND COORDINATE CRANE SERVICE TO REMOVE EXISTING AHU / OR INSTALL NEW RTU'S / AHU'S.	GC
8	DECOMMISSION AND REMOVE THE OLD RTU'S / AHU'S.	GC
9	CARRY OUT ANY STRUCTURAL WORK REQUIRED AND AS INCLUDED ON THE STRUCTURAL ENGINEERING DRAWINGS. OBTAIN HOT WORK PERMITS AS REQUIRED.	GC
10	INSTALL THE NEW RTU'S / AHU'S AS DETAILED IN THE CONSTRUCTION PRINTS. (MECHANICAL, ELECTRICAL AND CONTROLS) INSTALL ALL HOODS, CONDENSATE TRAPS, SENSORS ETC.	GC
11	CARRY OUT ANY SCREENING WORK AS REQUIRED BY THE AHJ AND AS INCLUDED ON THE CONSTRUCTION DRAWINGS.	GC
12	FURNISH AND INSTALL NEW GAS REGULATORS, PIPING, AND SUPPORTS AS INCLUDED ON THE MECHANICAL DRAWINGS.	GC
13	FURNISH AND INSTALL NEW CONDENSATE PIPING AS INCLUDED ON THE MECHANICAL DRAWINGS.	GC
14	CARRY OUT ANY ELECTRICAL WIRING CHANGES REQUIRED AND AS INCLUDED ON THE ELECTRICAL DRAWINGS.	GC
15	COORDINATE AND INVITE ANY THIRD PARTY STAKEHOLDERS (FOR EXAMPLE, OEM STARTUP TEAM, CTL AND TAB AGENCIES) THAT ARE REQUIRED TO COMPLETE THE PROJECT.	GC
16	WHEN REQUIRED, COORDINATE THE CONNECTION OF SMOKE DETECTORS TO THE FIRE ALARM SYSTEM WITHIN THE STORES. CONTACT WALMART SECURITY SERVICES FOR DETAILS.	GC
17	CARRY OUT ANY CONTROLS PARAMETER CHANGES AND PERFORM REMOTE CHECKOUT WITH EMS.	GC
18	FURNISH CONTROLS SUPPORT TO THE INSTALLING CONTRACTOR.	EMS
19	NOTIFY WMT BUILDING CONTROLS THAT THE NEW RTU'S / AHU'S ARE RUNNING AND ONLINE.	GC
20	CONFIRM WITH STORE MANAGEMENT THAT THE NEW RTU'S / AHU'S ARE FULLY OPERATIONAL.	GC
21	COMPLETE ASSET TAGGING PROCESS	MC
22	COORDINATE THE SALVAGE OF THE OLD RTU'S / AHU'S WITH AE'S.	GC
23	SUBMIT REQUIRED VERISAE AND OTHER REGULATORY FORMS AS REQUIRED BY THE END OF COMMISSIONING WEEK. COMPLETED VERISAE FORMS ARE TO BE EMAILED TO MCSUP@WALMART.COM.	GC
24	CLEAR SITE OF ALL TOOLS, UNUSED INSTALLATION MATERIALS AND TRASH.	GC

ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
RC	REFRIGERATION CONTRACTOR AND SUB-CONTRACTORS
GC	GENERAL CONTRACTOR AND SUB-CONTRACTORS
EMS	EMS VENDOR
OEM	ORIGINAL RACK EQUIPMENT MANUFACTURER. ORIGINAL CASE EQUIPMENT MANUFACTURER. AHU MANUFACTURER. RTU MANUFACTURER
PS	WALK-IN BOX PANEL SUPPLIER
WMT	WALMART
AE'S	SUPPLIER OF AHU ADAPTER CURBS, RTU ADAPTER CURBS AND WALMART'S EQUIPMENT SALVAGE PARTNER
WTC	WATER TREATMENT CONTRACTOR
MC	MECHANICAL CONTRACTOR AND SUB-CONTRACTORS

REFRIGERATION PIPE RE-INSULATION

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#	SCOPE OF WORK	RESPONSIBLE PARTY
		REMODEL
1	FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THE WORK.	RC
2	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT. OBTAIN HOT WORK PERMITS AS REQUIRED.	RC
3	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC
4	WHERE REPLACING MULTI-DECK AND / OR GLASS DOOR CASES AND REUSING EXISTING PIPEWORK, THE REFRIGERATION PIPING BEHIND THE CASES SHOULD BE RE-INSULATED. THIS APPLIES TO ALL PIPING.	RC
5	CONFIRM WITH STORE MANAGEMENT THAT THE WORK IS COMPLETE AND ALL SYSTEMS IMPACTED BY THE WORK ARE FULLY FUNCTIONAL.	RC
6	CLEAR SITE OF ALL TOOLS, OLD INSULATION, UNUSED INSTALLATION MATERIALS AND TRASH.	RC

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STATE OF FLORIDA
ANTHONY D. MILLER
LICENSED
ARCHITECT
No. AR-0017156
REGISTERED ARCHITECT
12/01/21

RESPONSIBILITY SCHEDULE

SHEET
OGP-A8

THE QUANTITIES (COUNT) OF ITEMS LISTED IN THIS SCHEDULE MAY NOT ACCURATELY REPRESENT THE ACTUAL QUANTITY REQUIRED TO COMPLETE THE SCOPE OF WORK INCLUDED IN THE CONTRACT DOCUMENTS. ACTUAL QUANTITY (COUNT) OF OWNER SUPPLIED ITEMS SHALL BE DETERMINED THROUGH A THOROUGH REVIEW AND ACCOUNTING OF THE CONTRACT DRAWINGS.

OWNER SUPPLIED ITEMS OGP

WDS #	VENDOR SAP #	Family	TYPE	MODEL
MINING COMPANIES INC [MCDEE CORPORATION]HENDEE ENTERPRISE INC				
[illegible]	1000003322 [illegible] 0019923	PICKUP - WM ASSOCIATE COVER	PICKUP - WM ASSOCIATE COVER	
ACUITY BRANDS LIGHTING INC				
[illegible]	[illegible]	26_Lighting_Ext_Ceiling_Acuity_LGM	Type15	RFD LGM S W 3 [illegible] EL N [illegible] M6 [illegible]EN LGM S W 3 G 120/277 EL H SD80 M4
[illegible]	[illegible]	26_Lighting_Ext_Wall_Acuity_LGM	Type16	AVO LGM S W 1 R 120/277 [illegible] N SD80 M6 OREEN LGM S W 1 G 120/277 EL H SD80 M4
[illegible]	[illegible]	26_Lighting_Surface_Strip_Acuity_CLX	Type1	CLX LM [illegible] MODEL [illegible] DRH 40K [illegible] RJ PER10 AE KCD WH
EMERSON CLIMATE TECHNOLOGIES RETAIL				
[illegible]	[illegible]	23_Refrigeration_BAS_Horn_Strobe_Emerson	Horn Strobe	[illegible]
R50008	1000214384	23_Refrigeration_BAS_Leak_Detection_Liquid_Emerson	LDP	
[illegible]	[illegible]	23_Refrigeration_BAS_Leak_Detection_Sensor_Emerson	MRLD6	MRLD6
R50016	1000214384	23_Refrigeration_BAS_Leak_Detection_Zone_Alarm_Emerson	Zone Alarm	
HAINES JONES & CADBURY LLC HJC				
GR1000	1000121554	GROCERY - Edge Protection	GROCERY - Edge Protection	[illegible]
HAINES, JONES & CADBURY				
F [illegible]	1000121554	1_Fire_Suppression_Sprinkler_Upright_Option_0-75_165_K 3 10	3/4" [illegible] UPRIGHT 165	TYPE31
HEATCRAFT REFRIGERATION PRODUCTS LLC				
[illegible]	[illegible]	23_Refrigeration_Condensing_Unit_Kyber_Warren	Condensing Unit	
HONEYWELL INTERNATIONAL INC				
[illegible]	1000211084	23_Refrigeration_BAS_Evap_Controller_Enclosure_KE2	KE2 Evap 40A (2017/0/0644)	2017/0/0644
[illegible]	1000211084	23_Refrigeration_BAS_Evap_Controller_Enclosure_KE2	KE2 Evap 80A (2017/0/0644/0/0218)	2017/0/0644/0/0218
R50021	1000211084	23_Refrigeration_BAS_XPO_Enclosure_Mirror	1 XPO Enclosure	
KPS GLOBAL LLC				
[illegible]	[illegible]	DOOR - Walkin HC II	[illegible]	PICKU
R5001,000	1000713318	GROCERY - Walkin Refrigerator	R5001,000	
KYSORAMARREN				
RE0946	1000108607	23_Refrigeration_Evaporator_Coil_Bohn_BZL_Kyber_Warren	BZL-0275	BZL-0275
RE0901	1000108607	23_Refrigeration_Evaporator_Coil_Bohn_BEV_Kyber_Warren	BEV-0290	BEV-0290
LENNOX INDUSTRIES INC				
MR0001	[illegible]	23_HVAC_RTU_Lennox_Strategos_SCH	3_TON_480V_15KW	SCH[illegible]10
MR001	1000185327	23_HVAC_RTU_Lennox_Strategos_SCH	10_TON_480V_30KW	SCH130H4NU10
LSI INDUSTRIES INC				
EL0068	1000077474	26_Lighting_Sealed_Strip_LED	Type44	NEW ECO 4 LED [illegible] DA S LINV DIM 40 960 3L
MARCO DISPLAY SPECIALISTS LP				
EX5003	[illegible]	PROTECT - Edition	[illegible] LED 3/[illegible]	
REGENCY				
EL0085	1000[illegible]	26_Lighting_Flat_Panel_Int_Edge	Type46	TP22-J [illegible]
REXEL INC				
EL0037	1100040047	26_Lighting_Emergency_Battery_Remote_EVHC	Type27	EVHC6DP-6-WM W/ EVDOW
EL027A	1000040047	26_Lighting_Emergency_Battery_Remote_EVHC	Type27A	EVHC6DP-6-WM W/ 2 SETS OF EVDOW
EL0018	1000040047	26_Lighting_Emergency_Remote_EVHC	Type 18 - Ceiling	EVHC6DP-WM
STANLEY ACCESS TECHNOLOGIES LLC				
	1000152489	PICKUP - Surface Mtd_SlimPanel Door Sensor	1/4"	[illegible] 2000 SERIES

SHEET NOTES

1. THE QUANTITIES (COUNT) OF ITEMS PURCHASED BY OWNER AS SCHEDULED ON THIS "OWNER SUPPLIED ITEMS" SHEET MAY NOT ACCURATELY REPRESENT THE ACTUAL QUANTITY REQUIRED TO COMPLETE THE SCOPE OF WORK INCLUDED IN THE CONTRACT DOCUMENTS. ACTUAL QUANTITY (COUNT) OF OWNER SUPPLIED ITEMS SHALL BE DETERMINED THROUGH A THOROUGH REVIEW AND ACCOUNTING OF THE CONTRACT DRAWINGS.

2. REFERENCE APPENDIX A IN THE SPECIFICATIONS TO DETERMINE WHO IS RESPONSIBLE FOR THE INSTALLATION OF OWNER FURNISHED PRODUCTS.

MATERIAL VENDOR LIST OGP

VENDOR	VENDOR #
[illegible] CORP	
THE MATHOKE COMPANY LLC	
SURFV [illegible] SPECIALTY CRAFT, NEW [illegible] LENUM, CONSOLIDATED SYSTEMS INC)	

EQUIPMENT VENDOR LIST OGP

VENDOR	VENDOR SAP #
MINING COMPANIES INC [MCDEE CORPORATION]HENDEE ENTERPRISE INC	[illegible] [illegible] 0001[illegible]
ACUITY BRANDS LIGHTING INC	1000[illegible]
EMERSON CLIMATE TECHNOLOGIES RETAIL	1000[illegible]
HAINES JONES & CADBURY LLC HJC	1000[illegible]
HAINES, JONES & CADBURY	[illegible]
HEATCRAFT REFRIGERATION PRODUCTS LL	[illegible]
HONEYWELL INTERNATIONAL INC	0012[illegible]1084
KPS GLOBAL LLC	0007[illegible]1318
KYSORAMARREN	0001[illegible]
LENNOX INDUSTRIES INC	1000[illegible]
LSI INDUSTRIES INC	1000[illegible]
MARCO DISPLAY SPECIALISTS LP	1000[illegible]346
REGENCY	1000[illegible]
REXEL INC	1000[illegible]
STANLEY ACCESS TECHNOLOGIES LLC	1000152489

STABILIZATION FOR REUSE

CONSULTANTS

Walmart

LAKE CITY, FL
2167 W US HIGHWAY 90
STORE: 03187 / PROTO

JOB NUMBER: 6B PROTO DC

ISSUE BLOCK

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DRAWN BY:	ASM
PROTO CYCLE:	09/24/21
DOCUMENT DATE:	11/22/21

12/15/21

OWNER SUPPLIED ITEMS

SHEET
OGP-OS1

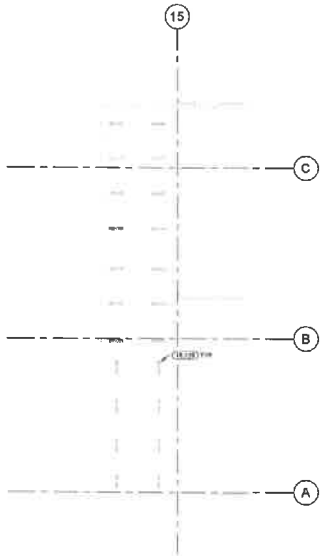
ELECTRICAL SYMBOLS LEGEND

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SYMBOL	DESCRIPTION
	LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	LIGHT FIXTURE
	LIGHT FIXTURE, NIGHT LIGHT
	VOLUMETRIC LIGHT FIXTURE
	TRACK LIGHTING
	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED)
	EMERGENCY LIGHT REMOTE HEADS (WALL MOUNTED/CEILING MOUNTED)
	SINGLE POLE SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	KEYED SWITCH
	DIMMER SWITCH
	VARIABLE SPEED SWITCH
	MANUAL MOTOR SWITCH
	SINGLE POLE OCCUPANCY SENSOR SWITCH
	DOUBLE POLE OCCUPANCY SENSOR SWITCH
	CEILING MOUNTED OCCUPANCY SENSOR SWITCH, FOUR-DIRECTION SENSING
	WALL MOUNTED OCCUPANCY SENSOR SWITCH, ONE-DIRECTION SENSING
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY
	RECEPTACLE, GFI
	RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, DUPLEX ISOLATED GROUND
	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND
	RECEPTACLE, SIMPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, SIMPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO
	RECEPTACLE, SPECIAL
	RECEPTACLE, SIMPLEX
	RECEPTACLE, PLUG-MOLD
J	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
T	THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)
A	ALARM JUNCTION BOX, (WALL MOUNTED/CEILING MOUNTED)
B	ALARM JUNCTION BOX, FOR REMOTE TESTING SET (WALL MOUNTED/CEILING MOUNTED)
S	SMOKE DETECTOR
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	CIRCUIT, CONCEALED IN WALLS OR CEILING. E INDICATES EXISTING WIRING
	CIRCUIT, CONCEALED IN SLAB FLOOR. E INDICATES EXISTING WIRING
	CIRCUIT, EXPOSED. E INDICATES EXISTING WIRING
	LOW VOLTAGE WIRING
	CONDUIT SLEEVE
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	TELEPHONE / DATA BOX FOR ISD
	LOW VOLTAGE CABLE BOX FOR OTHER
	TELEPHONE, FLUSH FLOOR
	MOTOR
	TELEPOWER POLE
	PUSH BUTTON
	BUZZER
	SAIL SWITCH JUNCTION BOX
	HORN / STROBE
DH	DOOR HOLD OPEN
TC	TIME CLOCK

ABBREVIATIONS

a, b, c	LOWER CASE LETTERS INDICATE SWITCHING CONFIGURATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CCT	CIRCUIT
CF	CEILING FAN
CW	CASH WRAP
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
G	GROUND
GC	GENERAL CONTRACTOR
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HD	HAND DRYER
IG	ISOLATED GROUND
LCU	LIGHTING CONTROL UNIT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
REC	REFRIGERATION ELECTRICAL CONTRACTOR
RC	REFRIGERATION CONTRACTOR
RH	RADIANT HEATER
SC	SECURITY CAMERA
TR	TAMPER RESISTANT
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF
WR	WEATHER RESISTANT



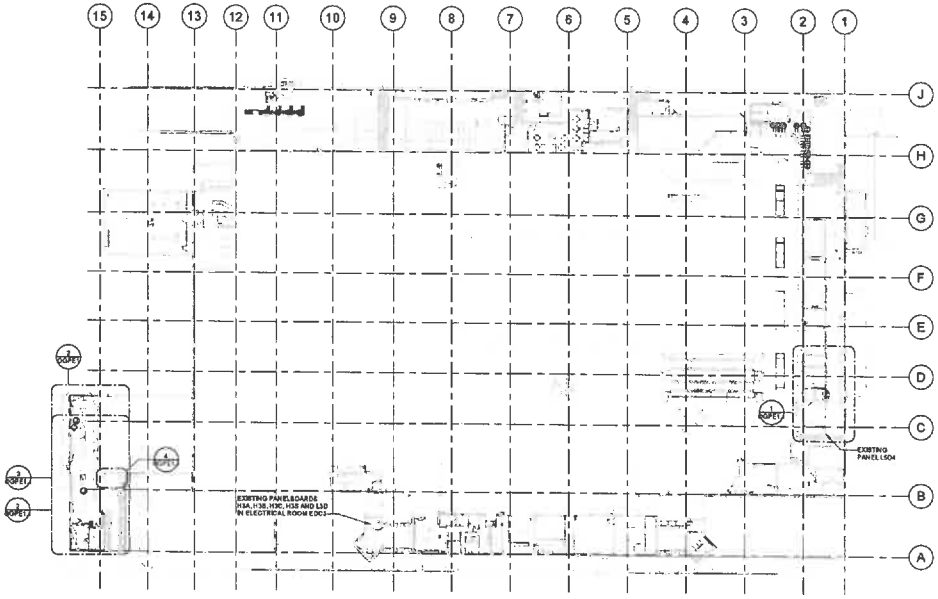
2 GARDEN CENTER LIGHTING DEMO PLAN
1/16" = 1'-0"

VOICE/DATA ROUGH-IN SCHEDULE

DROP	ROUGH-IN NOTES
V_A	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT STUBBED 12" ABOVE LAY-IN CEILING.
V_B	FLUSH MOUNT JUNCTION BOX AT +20" (UNO) WITH (1) 3/4" CONDUIT ROUTED TO NEAREST ACCESSIBLE CEILING SPACE.
V_C	SURFACE MOUNT JUNCTION BOX AT +84" (UNO) WITH (1) 3/4" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE.

SCHEDULE GENERAL NOTES:

1. ALL JUNCTION BOXES SHALL BE DOUBLE GANG WITH SINGLE GANG PLASTER RING UNLESS NOTED OTHERWISE ON SCHEDULE.
2. ALL JUNCTION BOXES TO BE ROUGHED IN AT SCHEDULED HEIGHT UNLESS NOTED OTHERWISE ON DRAWINGS.
3. ALL CONDUITS SHALL BE TERMINATED WITH BUSHINGS.
4. PROVIDE PULL WIRE WITH EACH EMPTY RACEWAY (JUNCTION BOX/CONDUIT) INSTALLED.
5. CONDUIT RUNS SHALL HAVE NO MORE THAN 90 DEGREES OF TRANSITION BETWEEN PULL BOXES.
6. WHERE CONDUIT(S) TRAVERSE AREAS WITH CEILINGS OPEN TO STRUCTURE, CONDUIT(S) SHALL BE CONCEALED AS WELL AS POSSIBLE FROM VIEW FROM CUSTOMER AREA.
7. FOR CONDUIT RUNS SCHEDULED WITH 1-1/2" OR LARGER CONDUIT UTILIZE LARGE RADIUS SWEEPS AT POINTS OF TRANSITION.
8. ACCESSIBLE CEILING SPACE SHALL BE CONSIDERED 12 INCHES ABOVE A LAY-IN CEILING OR ABOVE BAR JOIST ACCESSIBLE BY A SCISSOR LIFT FOR AREAS OPEN TO STRUCTURE.



1 KEY PLAN
1" = 40'-0"

GENERAL NOTES

1. FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NEMA, STATE, AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS.
   A. NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
   B. ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
   C. ARRANGE ALL WORK TO MINIMIZE DISRUPTIONS TO STORE OPERATIONS. COORDINATE ALL DISRUPTIONS WITH WALMART CONSTRUCTION MANAGER AND STORE MANAGER.
   D. CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESS BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE REQUIRED.
   E. CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND THAT ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
2. PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:
   A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.
   B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
   C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.
   D. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
3. PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER AND LIGHTING CIRCUITS ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
4. WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY.
   A. SWITCHES +44"
   B. RECEPTACLES +20"
   C. VOICE/DATA +20"
5. WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN UPDATED AND COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY PANELBOARD AFFECTED BY THIS PROJECT.
7. NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE DEVICES.
8. BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 2NA BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
9. WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
10. PROVIDE UL LISTED HANDLE TIES ON ALL MULTIWIRE BRANCH CIRCUITS PER NEC REQUIREMENTS.
11. SUPPORTS FROM STRUCTURE. NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
12. DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE. SEAL DEVICES TO COOLER/FREEZER PANELS WITH SILICONE SEALANT.
13. SURFACE MOUNTED CONDUIT ON COOLER/FREEZER PANELS OR IN FOOD PREP AREAS SHALL BE INSTALLED WITH GALVANIZED 1/2" STANDOFF CONDUIT HANGERS TO ALLOW FOR CLEANING.
14. ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REFER TO SPECIFICATION SECTION 16.100 FOR UNDER SLAB.
15. SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
16. EXISTING ELECTRICAL AND ALARM
   A. WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWIRE CIRCUITRY, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
   B. IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.
   C. EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.
   D. DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE NOTED.
17. EXISTING ELECTRICAL DEMOLITION
   A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON THE DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.
   B. SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUCTORS AND RELATED DEVICES SERVING SALES AREA GONDOLAS BEING RELOCATED OR REMOVED. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED FOR NEW POWER DROPS WHERE SIZE, RATING, AND CONDITION MEET REQUIREMENTS INDICATED ON PLANS AND ALL NULL RATINGS. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS BACK TO POINT OF ORIGIN WHENEVER FEASIBLE. IF CIRCUIT IS NOT REUSED, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. EXCEPTION: DISTRIBUTION AND POWER SWITCH BREAKERS SHALL BE ETR AS "SPARE". PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE".
   C. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PUBLIC AREAS (I.E., THROUGH STOCKROOM AREA): CUT WIRING LOOSE AND REMOVE FROM RACEWAYS. LEAVING RACEWAYS IN PLACE. CONDUIT TO BE ABANDONED IN WALLS OR FLOORS SHALL BE REMOVED BACK TO FINISHED SURFACE AND CAPPED INSIDE. REPAIR SURFACE(S) TO MATCH ADJACENT.
   D. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED. REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. EXCEPTION: DISTRIBUTION AND POWER SWITCH BREAKERS SHALL BE ETR AS "SPARE". PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE".
   E. DEMOLISHED FLUORESCENT LIGHT FIXTURES: REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION FOR DISPOSAL OF LIGHT FIXTURE.
   F. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
18. DATA AND PHONE CONDUIT INSTALLATION MILESTONE DATE: ALL RACEWAY AND CONDUIT SLEEVES FOR DATA AND PHONE CABLING TO BE INSTALLED 3 WEEKS PRIOR TO CONTRACT SUBSTANTIAL COMPLETION DATE.
19. ETHERNET CABLE
   A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS. PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.
   B. ETHERNET CABLE IS FURNISHED BY OTHERS.
   C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER POLES.
   D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY WALMART CONSTRUCTION MANAGER.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

Robert K. Peters Architect, Inc.
Architecture · Engineering · Planning

CONSULTANTS

Walmart

LAKE CITY, FL
2767 W US HIGHWAY 90
STORE #: 2739-01

JOB NUMBER:	18B PROTO 3C
2739-01	PROTO

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Digitally signed by Jobson Morse
Reason: This item has been electronically signed and sealed by Jobson P. Morse, PE on the date stamp. Since adding a valid digital signature, Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy.
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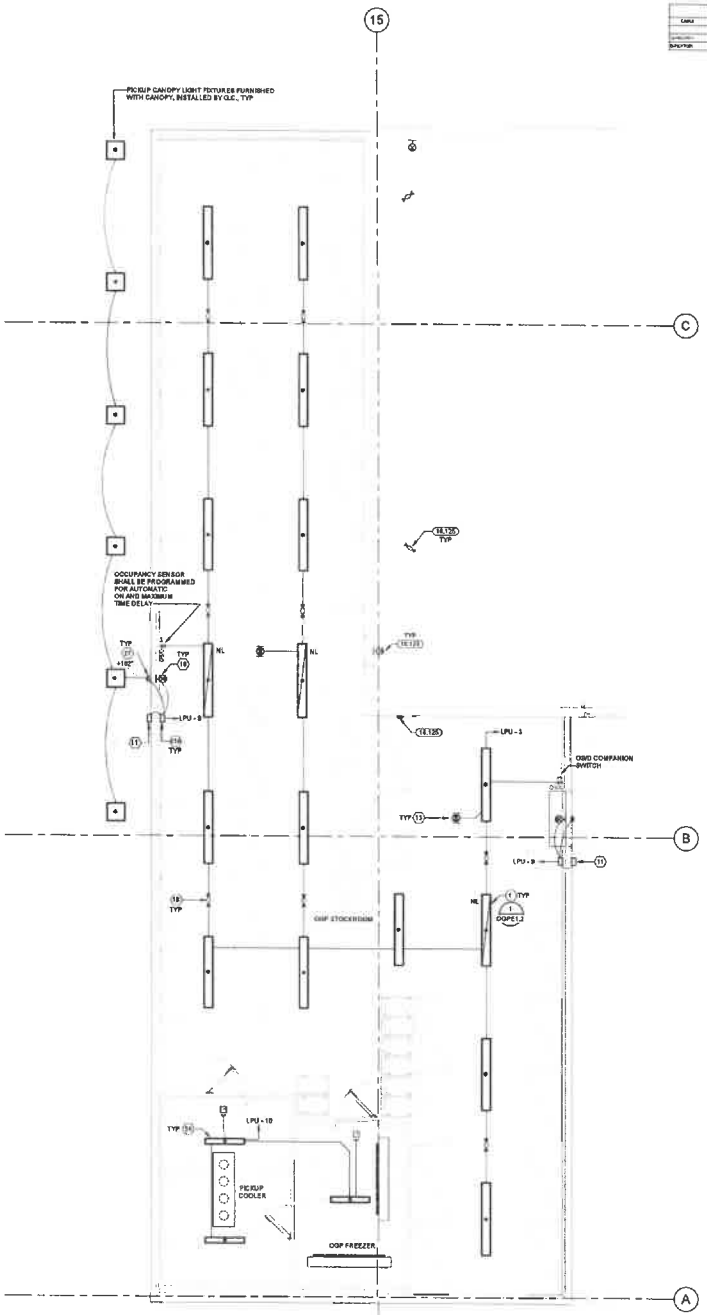
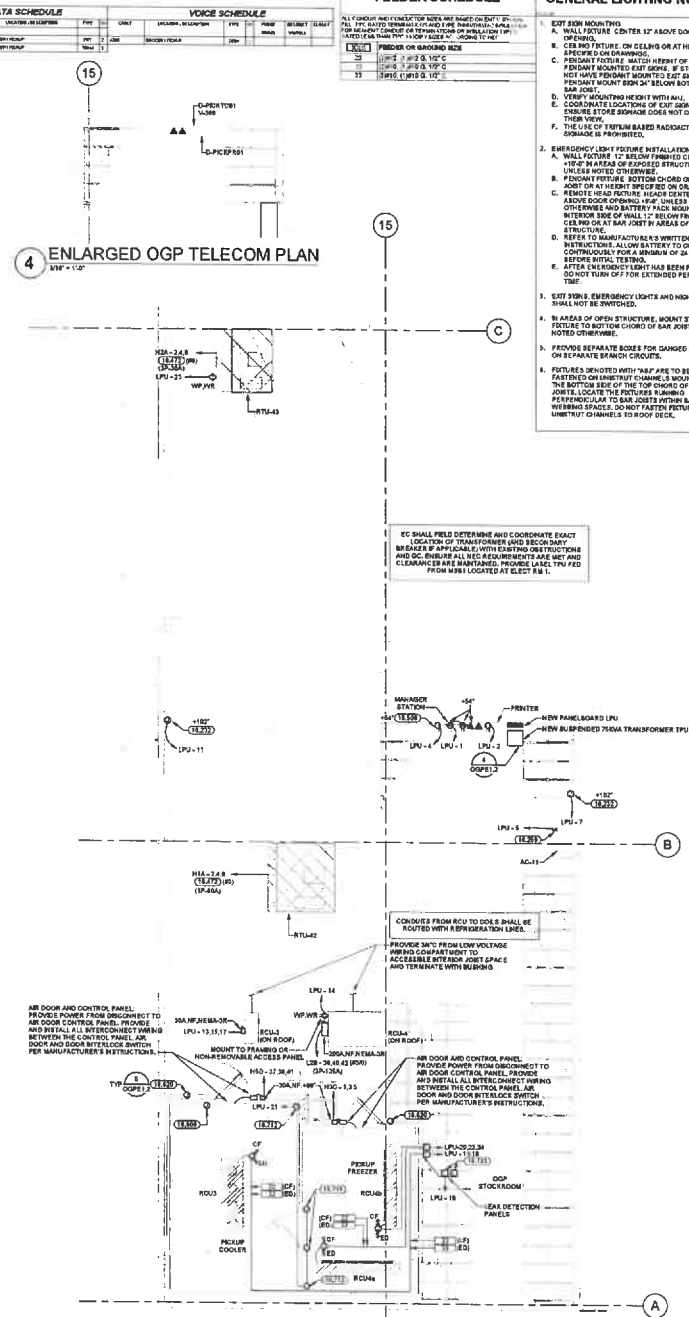
JOHN PRADEEP MORSE
No 76917
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/22/21

OVERALL PLAN

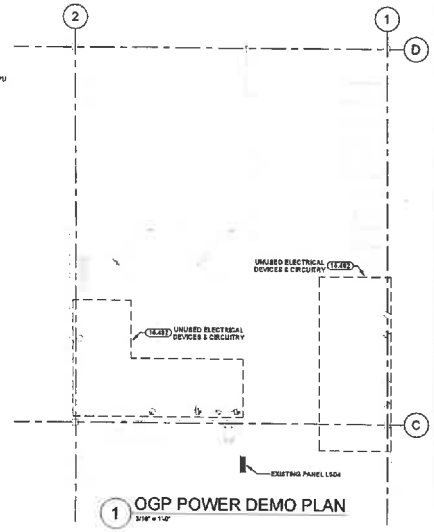
SHEET
OGPE1



3 OGP LIGHTING PLAN
3/16" = 1'-0"



4 ENLARGED OGP TELECOM PLAN
3/16" = 1'-0"



1 OGP POWER DEMO PLAN
3/16" = 1'-0"

DATA SCHEDULE

CABLE	LOCATION / DESCRIPTION	TYPE	
CAT6/CAT6A	GROCERY PICKUP	PVT	2
CAT6/CAT6A	GROCERY PICKUP	Wired	1

VOICE SCHEDULE

CABLE	LOCATION / DESCRIPTION	TYPE		PHONE BRAND	DESTINCT RINGING	CLIENT
	GROCERY PICKUP	2054				

FEEDER SCHEDULE

ALL CONDUIT AND CONDUCTOR SIZES ARE BASED ON EMT (1 3/4" TRADE SIZE) FOR NEW CONDUIT OR TERMINATIONS OR INSULATION (1 3/4" TRADE SIZE) IF LESS THAN 2 1/2" IN DIAMETER. ADJUSTING TO MEET

CIRCUIT	FEEDER OR GROUND SIZE
32	2 - #2 G #2 G 1/2" C
33	2 - #6 G #6 G 1/2" C
35	3 - #10 G #10 G 1/2" C

GENERAL LIGHTING NOTES

1. EXIT SIGN MOUNTING
   A. WALL FIXTURE CENTER 12" ABOVE DOOR OPENING.
   B. CEILING FIXTURE. ON CEILING OR AT HEIGHT SPECIFIED ON DRAWINGS.
   C. PENDANT FIXTURE. MATCH HEIGHT OF EXISTING PENDANT MOUNTED EXIT SIGNS. IF STORE DOES NOT HAVE PENDANT MOUNTED EXIT SIGNS, THEN PENDANT MOUNT SIGN 24" BELOW BOTTOM OF BAR JOIST.
   D. VERIFY MOUNTING HEIGHT WITH AHJ.
   E. COORDINATE LOCATIONS OF EXIT SIGNS TO ENSURE STORE SIGNAGE DOES NOT OBSTRUCT THEIR VIEW.
   F. THE USE OF TRITIUM BASED RADIOACTIVE EXIT SIGNAGE IS PROHIBITED.
2. EMERGENCY LIGHT FIXTURE INSTALLATION
   A. WALL FIXTURE 12" BELOW FINISHED CEILING OR +10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE.
   B. PENDANT FIXTURE. BOTTOM CORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON DRAWINGS.
   C. REMOTE HEAD FIXTURE. HEADS CENTERED ABOVE DOOR OPENING +8'-0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT BAR JOIST IN AREAS OF EXPOSED STRUCTURE.
   D. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE CONTINUOUSLY FOR A MINIMUM OF 24 HOURS BEFORE INITIAL TESTING.
   E. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF TIME.
3. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
4. IN AREAS OF OPEN STRUCTURE, MOUNT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE.
5. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
6. FIXTURES DENOTED WITH "WP" ARE TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS (WITHIN BAR JOISTS WEBBING SPACES). DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK.

GENERAL POWER NOTES

1. TELEPOWER POLE(S). MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED POWER POLE AND TERMINATE WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE PLUMB TO BUILDING STRUCTURE. REF POWER POLE CONNECTION DETAIL.
2. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
3. WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM SEE PROVIDED, NOTIFY PARAMOUNT CONSTRUCTION MANAGER IMMEDIATELY TO COORDINATE RESOLUTION.
4. ELECTRONIC FIRE PROTECTION/SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED UNDER THIS CONTRACT. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY
   A. ALL ALARM JUNCTION BOXES SHALL BE 4"X4"X2-1/8" MINIMUM.
   B. ALARM RACEWAYS SHALL BE 3/4" MINIMUM WITH PULL WIRE AND INSULATING BUSHINGS AT END OF VERTICAL RACEWAY RUN.
   C. VERTICAL RACEWAYS FROM ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED (TO MATCH JUNCTION BOX MOUNTING). ALL VERTICAL RUNS SHALL BE TURNED 90-DEGREES AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST AND EXTENDED HORIZONTALLY TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
5. UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT
   A. INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
   B. PERFORM CONTINUITY TEST.
   C. VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.

OCCUPANCY SENSOR NOTES

1. OCCUPANCY SENSORS IN RESTROOMS SHALL BE PROGRAMMED FOR AUTOMATIC ON AND MAXIMUM AVAILABLE TIME DELAY SETTINGS.
2. OCCUPANCY SENSORS IN DELI, PRODUCE, AND BAKERY PREP AREAS SHALL BE PROGRAMMED WITH MAXIMUM AVAILABLE TIME DELAY SETTINGS.
3. OCCUPANCY SENSORS IN WALK-IN COOLER/FREEZERS SHALL BE LOW TEMPERATURE RATED, WALL MOUNTED 8' ABOVE DOOR, ADJUST AIMING FOR MAXIMUM COVERAGE. 10 MINUTE TIME DELAY.
4. ALL OTHER OCCUPANCY SENSORS SHALL BE PROGRAMMED WITH THE MINIMUM AVAILABLE TIME DELAY SETTING UNLESS NOTED OTHERWISE.
5. ALL SINGLE-POLE OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR MANUAL ON LIGHTING CONTROL UNLESS NOTED OTHERWISE.
6. ALL BI-LEVEL OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR AUTOMATIC ON LIGHTING CONTROL FOR 50% OF FIXTURES AND WITH MANUAL ON MODE FOR REMAINING FIXTURES.
7. WHERE TWO OCCUPANCY SENSORS ARE SHOWN IN THE SAME LOCATION WIRE FOR PARALLEL OPERATION.

KEYNOTES

16.125	EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
16.232	AUTOMATIC DOOR OPERATOR. VERIFY LOCATION WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION. ALL DOOR CONTROLS INCLUDING LOW VOLTAGE ROUGH-IN CONDUIT, BACKBOXES AND WIRING BY OTHERS.
16.256	CONNECT CIRCUITRY TO FACTORY PROVIDED DISCONNECT SWITCH. E.C. SHALL INSTALL PROVIDED DOOR SWITCH PER MANUFACTURER'S RECOMMENDATIONS.
16.472	FURNISH AND INSTALL NEW CIRCUIT BREAKER (MAIN) IN EXISTING PANELBOARD INDICATED. E.C. SHALL MATCH MANUFACTURER, TYPE AND A.I.C. RATINGS OF EXISTING CIRCUIT BREAKERS.
16.482	E.C. SHALL COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF ELECTRICAL DEMOLITION, REMOVE UNUSED DEVICES, EGRES CONDUITS, AND WIRING BACK TO ORIGINATING JUNCTION BOXES OR PANELBOARDS. REFERENCE POWER PLANS FOR CIRCUITRY TO BE REUSED. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS. IF CIRCUIT IS DEMOLISHED ALL THE WAY TO PANELBOARD, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPARE". COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS PRIOR TO BID.
16.506	INSECT CONTROL. PROVIDE BROWN DEVICE AND MATCHING COVERPLATE.
16.608	INSTALL FURNISHED ALARM JUNCTION BOX AT +80". PENETRATE COOLER WALL AND ROUTE VERTICAL RACEWAY UP EXTERIOR SIDE OF COOLER WALL TO STRUCTURE. MINIMIZE EXPOSED CONDUIT ROUTED INSIDE COOLER BOXES. COORDINATE EXACT LOCATION WITH FIRE ALARM INSTALLER PRIOR TO ROUGH-IN. SEAL CONDUIT SLEEVE AND SLEEVE PENETRATION WITH SILICONE SEALANT AFTER CABLING IS INSTALLED.
16.620	AP REPEATER. PROVIDE 3/4" CONDUIT FROM JUNCTION BOX TO STRUCTURE. PROVIDE 1" CONDUIT FROM BACK OF BOX EXTENDED 2" INTO COOLER. POSITION JUNCTION BOX SO THAT SLEEVE IS 12" ABOVE DOOR ON NON ACTIVE SIDE OF DOOR OR 12" ABOVE ROLL SEAL ON OPPOSITE SIDE OF CONTROLS. TERMINATE EACH CONDUIT END WITH THREADED BUSHINGS. SEAL CONDUIT SLEEVE AND SLEEVE PENETRATION WITH SILICONE SEALANT AFTER CABLING IS INSTALLED.
16.712	SURFACE MOUNT WP JUNCTION BOX ON WALL 24" BELOW COOLER/FREEZER BOX CEILING FOR CONDENSATE DRAIN HEAT TRACE TAPE. PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT CONNECTION TO HEAT TAPE.
16.715	JUNCTION BOX PROVIDED WITH COOLER/FREEZER PANEL FOR CONNECTION TO LIGHTS, DOOR HEATERS AND/OR HEATED VENTS. PROVIDE WEATHERPROOF EXTENSION AND COVERPLATE FOR RECESSED JUNCTION BOXES AS REQUIRED. FINAL TERMINATIONS BY E.C.
16.723	REFRIGERATION BUILDING AUTOMATION SYSTEM CONTROLLER AND/OR LEAK DETECTION PANEL FURNISHED AND INSTALLED BY OTHERS. PROVIDE POWER AS INDICATED INCLUDING HANDLE LOCK/COMBO-LOCK OFF DEVICE AT BREAKERS. FINAL TERMINATIONS AT BASI LEAK DETECTION PANELS BY E.C.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THE KNOWLEDGE.

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STIPULATION FOR ISSUE

CONSULTANTS

Walmart
LAKE CITY, FL
2787 W US HIGHWAY 90
STORE NO. 3187-247
JOB NUMBER: 21-0043 PHOTO: 199 PHOTO SC

ISSUE BLOCK

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PHOTO CYCLE:	08/27/21
DOCUMENT DATE:	11/22/21

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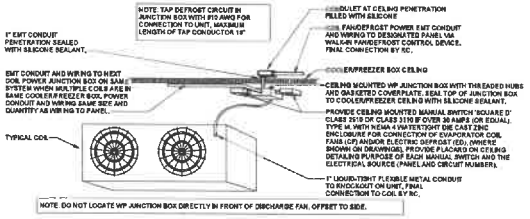
Date: 2021.12.03 09:29:30-05'00'

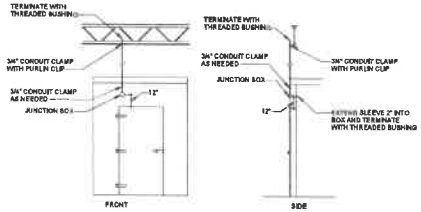
JASON P. MOSLEY
LICENSED
No 78917
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/22/21

OGP ELECTRICAL PLAN

SHEET
OGPE1.1



6 EVAPORATOR COIL WIRING
NTS 07/27/18



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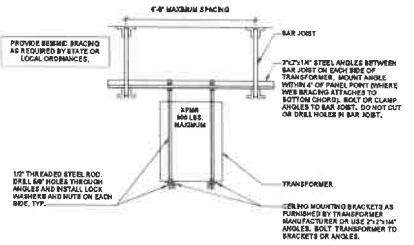

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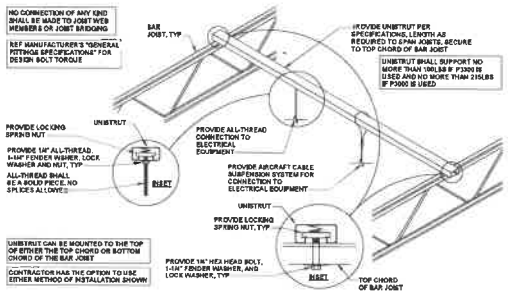
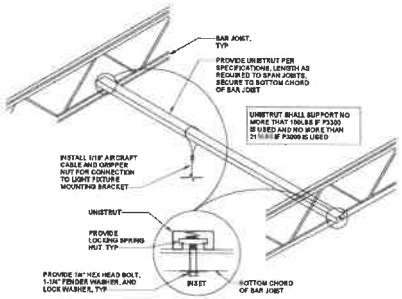
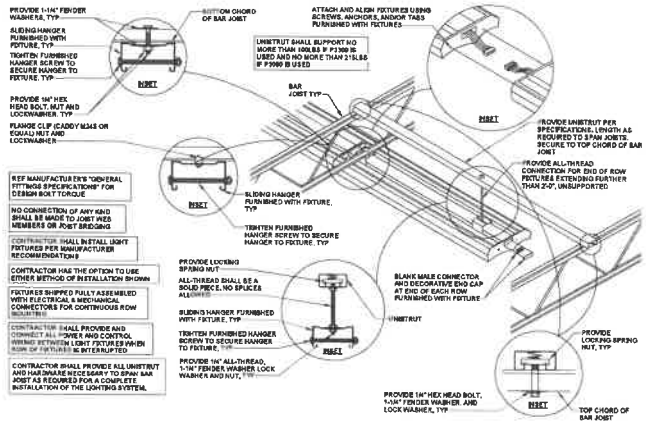
NTS 07/27/18







EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THE SELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

STIPULATION FOR REUSE

CONSULTANTS

Walmart
LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO. 0767-247
JOB NUMBER
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PROTO CYCLE	06/27/21
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Reason: This item has been electronically signed and sealed by Johan P. Morse, PE on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Date: 2021.11.23 09:30:06-05'00'

LICENSED PROFESSIONAL ENGINEER No 78917 STATE OF FLORIDA
11/23/21

DETAILS & DIAGRAMS

SHEET
OGPE1.2

FEEDER SCHEDULE

[illegible]

FEEDER OR GROUND

ONE-LINE DIAGRAM LEGEND

- NEW EQUIPMENT
- EXISTING EQUIPMENT
- EQUIPMENT TO BE DEMOLISHED

NOTE
ALL OF THE ELECTRICAL DEVICES SHOWN ON THE RISER DIAGRAM ARE EXISTING AND ARE BASED UPON AS-BUILT DRAWINGS. E.C. SHALL VERIFY THE EXACT EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN. THIS RISER IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN BOLD AND ARE NOTED. DURING CONSTRUCTION, THE STORE SHALL STAY OPEN FOR BUSINESS, ANY NECESSARY POWER DOWNTIME SHALL BE SCHEDULED AND APPROVED BY WALMART CONSTRUCTION MANAGER.

KEYNOTES

PANELBOARD NOTES ()

1. TERMINATE GROUND ON ISOLATED GROUND BUS.
2. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
3. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).
4. GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
5. GFI BREAKER FOR EQUIPMENT PROTECTION (30MA).
6. CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.
7. REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8. REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES.
9. FACTORY WIRED TO LOAD.
10. BREAKER SHALL BE HIGH MAGNETIC TYPE.
11. BREAKER REMOVAL - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, REMOVE CIRCUIT BREAKER AND PROVIDE FILLER PLATE. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED, UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE LOAD SERVED.
12. DUAL TAP SOLENOID OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.
13. EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.
14. ROUTE CIRCUIT THROUGH CONTACTOR.
15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD.
17. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.
18. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
21. SOLENOID OPERATED CIRCUIT BREAKER. REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL.
22. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11).
23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
24. SPARE - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED, UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.
25. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).

GENERAL NOTES:
1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED.
3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

SOURCE OF SUPPLY NOTE

CONTRACTOR TO VERIFY THE FEEDER ORIGINATION POINT SOURCE OF POWER FOR ALL DISTRIBUTION BOARDS, PANELBOARDS, AND BUSWAY AFFECTED BY THE REMODEL SCOPE OF WORK. PROVIDE A LAMINATED PLASTIC NAMEPLATE PER SPECIFICATIONS INDICATING THIS INFORMATION.

EXAMPLES:
H1A FED FROM MBWS
L10 FED FROM H1B VIA T10

ARC FLASH

ARC FLASH HAZARD WARNING LABELING REQUIREMENTS PER NEC ARE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.

POWER INTERRUPTION NOTE

COORDINATE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE WITH THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. IN ADDITION, IF THE MAIN ELECTRICAL SWITCHGEAR REQUIRES WORK AND DOES NOT HAVE A MAIN SERVICE DISCONNECTING MEANS COORDINATE WITH THE UTILITY COMPANY A MINIMUM OF TWO WEEKS IN ADVANCE OF THE STORE POWER INTERRUPTION. IF STORE IS NOT OPEN 24 HOURS PER DAY, ALL STORE POWER INTERRUPTIONS ARE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. PROVIDE TEMPORARY POWER AS REQUIRED PER SPECIFICATIONS. INSTALLATION OF NEW EQUIPMENT SHALL BE COMPLETED AND THE POWER SYSTEM TESTED AND RE-ENERGIZED PRIOR TO THE TIME ESTABLISHED BY THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER.

LIGHT FIXTURE SCHEDULE

"OW" FIXTURES AND LAMPS ARE FURNISHED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR, "OC" FIXTURES AND LAMPS ARE FURNISHED AND INSTALLED BY THE CONTRACTOR.

TYPE	SUPPLIED BY	DESCRIPTION	VENDOR/MFR	MODEL	VOLTAGE	INPUT VA	COLOR TEMP	LIGHT SOURCE	LAMP QTY	MOUNTING	COUNT
1	OW	8' STRIP 2000K LESS [illegible]	ACUITY BRANDS LIGHTING INC	LXL [illegible] WVOLT EGRN 40K [illegible]	120/277	87 VA	4000K	INTEGRAL LED	-	SURFACE	17
11	OC	LOW POWERED BUILDING MOUNTED EXIT SIGN	LITHONIA LIGHTING LITHONIA LIGHTING SOLUTIONS LLC	[illegible] EWS3 0 R7 D1 S0K L DA3L2	120/277	20 VA	[illegible]	INTEGRAL LED	-	WALL	2
13	OW	EXIT SIGN (DOUBLE FACE)	ACUITY BRANDS LIGHTING INC	RED: LOM S W 2 R 120/277 EL N SDR6 M6 GREEN: LOM S W 2 G 120/277 EL N SDR6 M6	120/277	4 VA	4000K	INTEGRAL LED	-	STEM/CEILING	2
18	OW	EXIT SIGN (SINGLE FACE)	ACUITY BRANDS LIGHTING INC	RED: LOM S W 1 R 120/277 EL N SDR6 M6 GREEN: LOM S W 1 G 120/277 EL N SDR6 M6	120/277	4 VA	-	INTEGRAL LED	-	WALL	3
19	OW	EMERGENCY LIGHT	[illegible] INC	[illegible]	120/277	3 VA	-	INTEGRAL LED	-	WALL/CEILING	9
21	OW	EMERGENCY LIGHT - REMOTE HEADS	[illegible] INC	[illegible]	120/277	3 VA	-	INTEGRAL LED	-	WALL	1
27A	OW	EMERGENCY LIGHT - TWO PAIRS OF REMOTE HEADS	[illegible] INC	[illegible]	120/277	3 VA	-	INTEGRAL LED	-	WALL	1
82	OW	2' SEALED STRIP	[illegible] INC	[illegible] 4 LED 4L DA S DRV	120/277	35 VA	4000K	INTEGRAL LED	-	SURFACE	3
83	OW	2X2 RECESSED LED DRIVER LIGHT FOR TUNNEL [illegible]	[illegible]	[illegible] P22U7 SWW	120/277	35 VA	[illegible]	INTEGRAL LED	-	RECESSED	1

PANELBOARD: L5D4 (EXISTING)

BUS AMPS	225A	AIC RATING	10000
MAINS SIZE/TYPE	MLO	SERVES	SEAFOOD & PRODUCE AREAS
VOLTS/PHASE	208Y/120 V 3PH, 4W	MOUNTING	FLUSH
LOCATION	1	LOCATION	[illegible]

EQUIPMENT GROUND BUS

CKT NO	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT NO
1	SPARE 20	-	20 A	1	0 VA	400 VA		1	20 A	-	SPARE	2
3	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	4
5	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	6
7	SPARE 20	-	20 A	1	0 VA	400 VA		1	20 A	-	SPARE	8
9	SPARE 20	-	20 A	1		0 VA	400 VA	1	20 A	-	SPARE	10
11	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	12
13	SPARE 20	-	20 A	1	0 VA	400 VA		2	20 A	-	OUTSIDE PRODUCE (19)	14
15	SPARE 20	-	20 A	1			0 VA	1	20 A	-	PRODUCE FANS (13)	16
17	SPARE 20	-	20 A	1	0 VA	400 VA		1	20 A	-	SPARE	18
19	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	20
21	SPARE 20	-	20 A	1	0 VA	400 VA		1	20 A	-	SPARE	22
23	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	24
25	SPARE 20	-	20 A	1	0 VA	400 VA		1	20 A	-	SPARE	26
27	SPARE 20	-	20 A	1			0 VA	1	20 A	-	SPARE	28
29	PATHWAY LIGHTING	-	20 A	1		500 VA	500 VA	1	20 A	-	LIGHTS 3	30
			Total Load		200 VA	3100 VA	3400 VA					
			Total Amps		16 A	26 A	28 A					

TOTAL DEMAND

Total Conn. Load	[illegible] VA
Total Est. Demand	[illegible] VA
Total Conn.	95 A
Total Est. Demand	54 A

PANELBOARD NOTES:

FED VIA 3P, 150A CIRCUIT BREAKER FROM LSB IN EDC6.

PANELBOARD: LPU (NEW)

BUS AMPS	225A	AIC RATING	10,000A
MAINS SIZE/TYPE	225A MCB	SERVES	GOP
VOLTS/PHASE	208Y/120 V 3PH, 4W	MOUNTING	SURFACE
LOCATION	1	LOCATION	GOP

EQUIPMENT GROUND BUS

CKT NO	DESCRIPTION	WIRE	BKR AMP	P	A	B	C	P	BKR AMP	WIRE	DESCRIPTION	CKT NO
1	[illegible]		20 A	1	720 VA	900 VA		1	20 A		[illegible]	2
3	GOP EMPLOYEE OFFICE		20 A	1			1440 VA	1	20 A		[illegible]	4
5	[illegible]		20 A	1					20 A		[illegible]	6
7	[illegible]		20 A	1	900 VA	0 VA		1	20 A		[illegible]	8
9	[illegible]		20 A	1			0 VA	1	20 A		[illegible]	10
11	[illegible]		20 A	1							[illegible]	12
13	[illegible]		20 A	1			0 VA	1	20 A		[illegible]	14
15	[illegible]		20 A	1	1440 VA	1440 VA		2	20 A		[illegible]	16
17	[illegible]		20 A	1			1440 VA	2	20 A		[illegible]	18
19	[illegible]		20 A	1	900 VA	1 1521 VA						20
21	[illegible]		20 A	1			1521 VA	3	40 A		[illegible]	22
23	[illegible]		20 A	1								24
25	SPACE	-	-	-	0 VA	0 VA					SPACE	26
27	SPACE	-	-	-			0 VA	1			SPACE	28
29	SPACE	-	-	-	0 VA	0 VA					SPACE	30
31	SPACE	-	-	-			0 VA	1			SPACE	32
33	SPACE	-	-	-	0 VA	0 VA					SPACE	34
35	SPACE	-	-	-			0 VA	1			SPACE	36
37	SPACE	-	-	-	0 VA	0 VA					SPACE	38
39	SPACE	-	-	-			0 VA	1			SPACE	40
41	SPACE	-	-	-							SPACE	42
			Total Load		1785 VA	5400 VA	3961 VA					
			Total Amps		15 A	45 A	33 A					

TOTAL DEMAND

Total Conn. Load	[illegible] VA
Total Est. Demand	[illegible] VA
Total Conn.	[illegible] A
Total Est. Demand	[illegible] A

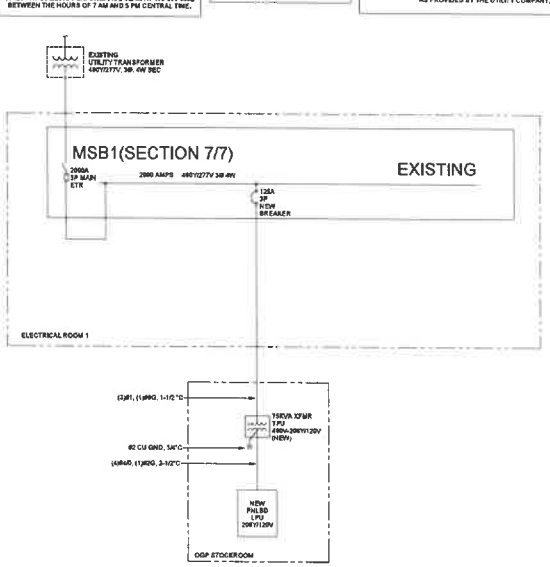
PANELBOARD NOTES:

EXISTING SUBMETERING IF IT IS NECESSARY TO REMOVE A METER, RTU SERVER, CT OR OBRUPT THE COMMUNICATION OF THE SUBMETERING SYSTEM IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE SUBMETERING SYSTEM TO THE SAME LEVEL OF OPERATION THAT EXISTED PRIOR TO THE WORK BEING INITIATED. THE EXISTENCE AND FUNCTIONALITY OF THE SUBMETERING SYSTEM SHALL BE VERIFIED BY CALLING WALMART BUILDING PERFORMANCE TEAM AT 479-204-0432 BETWEEN THE HOURS OF 7 AM AND 5 PM CENTRAL TIME.

EXISTING DISTRIBUTION SYSTEM IS SERIES RATED. E.C. SHALL PROVIDE CIRCUIT BREAKER(S) THAT WILL MAINTAIN EXISTING MANUFACTURER'S U.L. LISTED SERIES RATED SYSTEM.

REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPS AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT.

FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE CURRENT OF 33,010 AMPS AT SECONDARY TERMINALS OF THE UTILITY TRANSFORMER AS PROVIDED BY THE UTILITY COMPANY.



1 PARTIAL ONE-LINE DIAGRAM
NTS

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

Cabot & Parsons
Architecture Engineering Planning
[illegible]

STIPULATION FOR ISSUE

[illegible]

CONSULTANTS

Walmart
LAKE CITY, FL
2700 W US HIGHWAY 90
STORE NUMBER: 2216025 | PROTO
JOB NUMBER: 1 IB PROTO SC

ISSUE BLOCK

CHECKED BY	CM
DRAWN BY:	MAX
PROTO CYCLE:	09/27/21
DOCUMENT DATE	11/22/21

Digitally signed by Jolson Morse Pradeep. This item has been electronically signed and sealed by Jolson P. Morse, PE on the date and/or time stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified by a 3rd Party Certificate Authority on any electronic copy.
Date: 2021.12.09 08:30:23-05'00'

JOLSON PRADEEP MORSE
LICENSE
No. 76917
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/22/21

ONE LINE DIAGRAM, LIGHTING & PANEL SCHEDULE

SHEET
OGPE1.3

PROTECTION CRITERIA LEGEND

OCCUPANCY CLASSIFICATION	DISCHARGE PRESSURE (@ OPERATING SPRINKLERS - DESIGN AREA)	MAXIMUM SPRINKLER SPACING (SQ FT)	DESIGN BASIS
OGP - STOCKROOM (DWGR (EL - OPTION 1)	30 PSI (2 AS-25/1L) 15 PSI (12 AS-45/2L)	250 140	CLASS I/IV RACK STORAGE TO 10'-0" (25'-0" CEILING HEIGHT), 6'-0" AISLES. UL LC TECHNICAL REPORT PROJECT 4789112562, NC37964 - TABLE 2 SUMMARY OF TESTS: 12032002 AND 120322003
PICKUP COOLER/FREEZER (EXTRA HAZARD GROUP II)	0.40/2000 SQ FT	100	CLASS I/IV TO 12'-0", NFPA 13, TABLE 13.2.1, 13.2.3

RC = RETAIL CEILING/NING = RETAIL NO CEILING
SL = STORAGE LOW/HI = STORAGE HIGH
REFERENCE SPRINKLER PLANS AND SPRINKLER SYMBOL LEGEND FOR SPRINKLERS NECESSARY TO MEET THE DESIGN REQUIREMENTS
* = EXISTING DESIGN CRITERIA TO REMAIN

SRR = SINGLE ROW RACK
DRR = DOUBLE ROW RACK
MRR = MULTIPLE ROW RACK

OWNER FURNISHED SPRINKLERS AND ACCESSORIES

TYPE	SIZE	K-FACTOR	FINISH	MFR	MAKE	SJN.	TEMP	STYLE	QTY	FAR QTY	EXCH STYLE	EXCH FINISH	EXCH QTY
●	3/4"	11.2	BRASS	TYCO	ELO-231	TY5131	286	UPRIGHT	53	8	—	—	—

SUBSTITUTIONS WILL NOT BE PERMITTED, REFERENCE SPECIFICATIONS APPENDIX B FOR ADDITIONAL INFORMATION

WHERE SPRINKLERS ARE INSTALLED BELOW OBSTRUCTIONS (REFRIGERATION PIPING, RTUs, CABLE TRAYS, ETC.) THESE SPRINKLERS SHALL BE REPLACED WITH SPRINKLERS MATCHING THE NEW SPRINKLERS BEING INSTALLED AT THE ROOF DECK LEVEL.

* INTERMEDITE TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION BELOW SKYLIGHTS AND ON AIR FLOW SIDE (INTERMEDIATE TEMPERATURE ZONES) OF UNIT HEATERS PER NFPA 13.

* HIGH TEMPERATURE SPRINKLERS TO BE FURNISHED BY OWNER FOR INSTALLATION AROUND UNIT HEATERS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO OWNER FURNISHED SPRINKLERS DURING INSTALLATION, TO REPLACE DAMAGED SPRINKLERS CONTACT HAINES, JONES, CADBURY 1-800-458-7096.

THE OWNER WILL FURNISH ADDITIONAL SPRINKLERS FOR THE SPARES CABINET, INSTALL SPARE SPRINKLER QUANTITY INDICATED ON CONTRACT DOCUMENTS PRIOR TO FIRE PROTECTION CONSULTANT SITE OBSERVATION.

SPRINKLER SYMBOL LEGEND

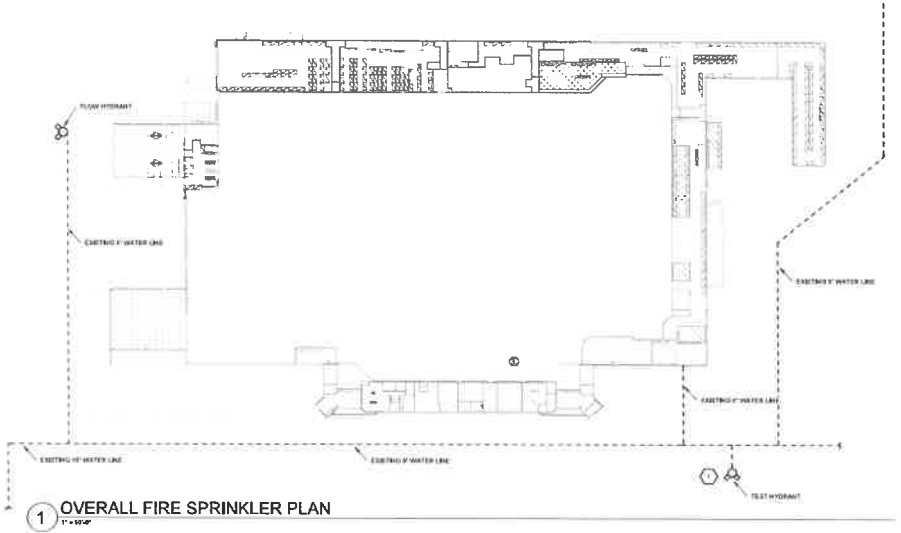
SYMBOL	SIZE	MFR	MAKE	SJN.	FINISH	STYLE	TEMP	K-FACTOR
●	1/2"	TYCO	TY-B	TY3251	WHITE	RECESSED STYLE 20	155	5.6
⊠	1"	TYCO	DB-2	TY5366	WHITE	WHITE	286	11.2
○	MATCH EXISTING	TYCO	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	UPRIGHT	MATCH EXISTING	MATCH EXISTING
⊛	VARIES	VARIES	VARIES	VARIES	VARIES	EXISTING PENDENT	VARIES	VARIES
◌	VARIES	VARIES	VARIES	VARIES	BRASS	EXISTING UPRIGHT	VARIES	VARIES
⊗	DEMO	VARIES	VARIES	—	—	EXISTING UPRIGHT	—	—
⊗	DEMO	VARIES	VARIES	—	—	EXISTING PENDENT	—	—

WHERE SPRINKLERS ARE CALLED OUT TO "MATCH EXISTING," THE CONTRACTOR SHALL PROVIDE SPRINKLERS MANUFACTURED BY TYCO WHICH ARE EQUIVALENT TO THE EXISTING TO REMAIN SPRINKLERS. SUBSTITUTIONS WILL NOT BE PERMITTED.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
XX	HYDRAULIC REFERENCE NODE
⊢	CAP
⊖	RISER NIPPLE/DROP NIPPLE
⊖	SPRINKLER RISER
	INSPECTOR'S TESTAUXILIARY DRAIN
	FIRE DEPARTMENT CONNECTION
	HANGER
	TRAPEZE HANGER
⊕	NEW CONNECTION
	NEW SPRINKLER PIPE
	EXISTING SPRINKLER PIPE
	DEMOLISHED SPRINKLER PIPE

PROVIDE ADDITIONAL SPRINKLERS AS REQUIRED PER NFPA 13 IN EXISTING SPRINKLER CABINET FOR ANY NEW SPRINKLERS INSTALLED.



1 OVERALL FIRE SPRINKLER PLAN
1" = 50'-0"

SYSTEM IMPAIRMENT REQUIREMENTS

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION, VERIFICATION AND PROVISION OF A FIRE WATCH IN SUBJECT TO THE REQUIREMENTS OF THE LOCAL JURISDICTION. ALL FIRE WATCH COSTS INCURRED AS A RESULT OF THIS PROJECT SHALL BE INCLUDED IN THE PROJECT BID AS A SEPARATE LINE ITEM. COORDINATION AND VERIFICATION AS TO WHEN A FIRE WATCH MAY BE NEEDED SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. THE GENERAL CONTRACTOR SHALL ENGAGE THE STORE MANAGER TO NOTIFY ALARM CENTRAL OF THE SYSTEM BEING SHUT OFF FOR WORK AND THE DURATION OF THE SHUT OFF.
3. THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ADVISE THAT THE FIRE ALARM SYSTEM WILL BE IN TEST.
4. AT THE END OF EACH NIGHTS WORK THE GENERAL CONTRACTOR SHALL CALL DIRECT TO THE FIRE DEPARTMENT AND ALARM CENTRAL TO ADVISE WORK IS COMPLETE.
5. (FIRST FIRE WATCH OPTION) A FIRE WATCH SHALL BE REQUIRED WHEN ANY FIRE PROTECTION SYSTEM IS IMPAIRED OR OTHERWISE DOWN FOR ALTERATION. THE APPROVED FIRE WATCH SHALL BE CONDUCTED BY A DEDICATED, TRAINED WALMART EMPLOYEE WHOSE SOLE RESPONSIBILITY WILL BE TO PERFORM HOURLY PATROLS OF THE PREMISES AND KEEP WATCH FOR FIRES AND WILL NEED TO DOCUMENT THEIR WALK AND REPORT BACK TO THE GENERAL CONTRACTOR AND WALMART MANAGEMENT. THIS PERSON SHALL BE PROVIDED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION TO THE FIRE DEPARTMENT.
6. (SECOND FIRE WATCH OPTION) A FIRE WATCH SHALL BE REQUIRED WHEN ANY FIRE PROTECTION SYSTEM IS IMPAIRED OR OTHERWISE DOWN FOR ALTERATION. THE FIRE SPRINKLER CONTRACTOR SHALL HIRE AN APPROVED OFF-DUTY FIRE FIGHTER TO PERFORM THE REQUIRED FIRE WATCH. FIRE WATCH PERSONNEL SHALL BE PROVIDED WITH AT LEAST ONE APPROVED MEANS FOR NOTIFICATION OF THE FIRE DEPARTMENT AND THEIR SOLE DUTY SHALL BE TO PERFORM CONSTANT PATROLS AND WATCH FOR THE OCCURRENCE OF FIRE, FOR HOT WORK OPERATIONS, A FIRE WATCH SHALL BE POSTED FOR THE DURATION OF THE WORK AND 30 MINUTES THEREAFTER.
7. ONLY ONE SYSTEM IS PERMITTED TO BE SHUT DOWN AT ONE TIME.
8. ANY FIRE DEPARTMENT FEES FOR FAILURE TO FOLLOW PROCEDURES WILL BE AT THE GENERAL CONTRACTOR'S EXPENSE.
9. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE WALMART. ALL EXITS SHALL NOT BE BLOCKED, REDUCED OR OTHERWISE MADE INOPERABLE WHICH ALSO INCLUDES THE EXIT ACCESS, THE EXIT AND EXIT DISCHARGE TO THE PUBLIC WAY. TEMPORARY MEANS OF EGRESS ARE ALLOWED.
10. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

HYDROSTATIC TEST

BUILDING SPRINKLER SYSTEM(S) INVOLVED IN THIS SCOPE OF WORK SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13. MOREOVER, THE FOLLOWING TWO (2) HYDROSTATIC TESTS SHALL BE PERFORMED BY THE CONTRACTOR:

1. THE FIRST HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO START OF SPRINKLER SYSTEM SCOPE OF WORK ("PRE-SCOPE HYDRO TEST"); AND
2. THE SECOND HYDROSTATIC TEST SHALL BE PERFORMED BY THE CONTRACTOR AFTER COMPLETION OF CONTRACT SCOPE OF WORK ("POST-SCOPE HYDRO TEST").

THE HYDROSTATIC TESTS ON EXISTING SPRINKLER SYSTEM SHALL BE CONDUCTED AT A PRESSURE OF 50PSI ABOVE THE STATIONARY/RING PRESSURE. NEW SYSTEMS SHALL BE TESTED PER PRESSURE REQUIREMENTS OF NFPA 13.

THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURING DURING THE "PRE-SCOPE HYDRO TEST" PROVIDED ALL COMMERCIALLY REASONABLE MEASURES NECESSARY OR PRUDENT TO PROTECT CONTENTS OR BUILDING COMPONENTS WERE FOLLOWED FOR APPROPRIATE TEST PROCESS. CONTRACTOR SHALL COMPLETE REPAIRS AND FOR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING PRE-SCOPE TESTING AS AN ADDITIONAL SERVICE.
THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGE TO CONTENTS OR BUILDING OCCURRING DURING THE "POST-SCOPE HYDRO TEST" PROCEDURE ORIGINATING IN EXISTING OR NEW SYSTEM COMPONENTS. CONTRACTOR SHALL COMPLETE REPAIRS AND / OR REMEDIATION TO EXISTING SYSTEMS REQUIRED AS A RESULT OF DEFICIENCIES IDENTIFIED DURING POST-SCOPE TESTING AT NO ADDITIONAL COST TO WALMART.
WHEN CONDUCTING HYDROSTATIC TESTING ON EXISTING SYSTEMS AS REQUIRED BY NFPA 13, CONTRACTOR SHALL TAKE SUCH ACTIONS AS MAY BE NECESSARY TO REDUCE POTENTIAL DAMAGE TO CONTENTS AND BUILDING DURING EXECUTION OF SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. USE OF LOW CAPACITY PRESSURE PUMP TO INCREASE PRESSURE IN SYSTEM AT INCREMENTAL RATE TO LIMIT SURGE IN SYSTEM; AND
2. PROVISION OF WORK STAFF DEDICATED TO MONITORING THE IMPACTED SYSTEM AREA DURING PRESSURE APPLICATION AND DURING HYDROSTATIC TEST FOR SIGNS OF SYSTEM COMPROMISE (MINIMUM 1 PERSON / 20,000 SQ. FT. AREA); AND
3. MAINTAINING DEDICATED PERSON AT SYSTEM CONTROL VALVE IN CONSTANT COMMUNICATION WITH SYSTEM MONITORS TO SHUT OFF TEST PUMP AND DRAIN SYSTEM IN EVENT OF SYSTEM FAILURE OR LEAK; AND
4. PROVISION OF READY SUPPLIES PRIOR TO START OF TESTING TO FACILITATE DAMAGE MINIMIZATION IN EVENT OF SYSTEM FAILURE (TARPS / PLASTIC SHEETING, WET / DRY VACUUM, ETC.); AND
5. COVERING HIGH VALUE EQUIPMENT PRIOR TO TESTING; AND
6. LIMITATION OF TESTING TO ONE SYSTEM AT A TIME; AND
7. TESTING OF SYSTEMS DURING OFF HOURS / OVERNIGHT.

WATER SUPPLY INFORMATION

TEST STATIC AT BRC 95 PSI
TEST RESIDUAL AT BRC 63 PSI AT 1130 GPM

INFORMATION DERIVED FROM A WATER REPORT BY (ECHAUS & PETERSON) FROM A FLOW TEST CONDUCTED ON 10/1/2021. THE TEST WAS CONDUCTED AT 09:00 AM EST.

FLOW TEST ELEVATION 100.0 FT AMSL
BUILDING PAD ELEVATION 100.0 FT AMSL

THE WATER SUPPLY IS MODIFIED BY THE FOLLOWING:

- 0.0 PSI DUE TO ELEVATION DIFFERENCE BETWEEN TEST AND BUILDING
- 5.0 PSI WALMART SAFETY FACTOR

DESIGN STATIC AT BRC 70 PSI
DESIGN RESIDUAL AT BRC 50 PSI AT 1130 GPM

SCOPE OF WORK

1. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK.
2. UPGRADE THE EXISTING FIRE SPRINKLER SYSTEM IN THE GROCERY STOCKROOM. GENERAL MERCHANDISING STOCKROOM, SALES FLOOR AND SEASONAL SHOP TO MEET THE DISCHARGE PRESSURE, HOSE ALLOWANCE AND MAXIMUM SPRINKLER SPACING AS REFERENCED IN THE PROTECTION CRITERIA LEGEND.
3. THE EXISTING FIRE SPRINKLER SYSTEMS WILL BE MODIFIED AS INDICATED ON THE PROJECT CONTRACT DOCUMENTS. THE SCOPE OF WORK MAY INCLUDE: THE MODIFICATION OF EXISTING BRANCHLINES, INSTALLATION OF NEW BRANCHLINES, MODIFICATION OF EXISTING TEE(S), THE REMOVAL AND INSTALLATION OF NEW SPRINKLERS, MODIFICATION OF EXISTING MAINS, INSTALLATION OF NEW MAINS, REPLACEMENT OF THE EXISTING BACKFLOW PREVENTOR.
4. ALL NEW PIPING SHALL HAVE HANGERS INSTALLED IN ACCORDANCE TO THE DETAILS LOCATED ON THE FIRE PROTECTION DETAILS SHEET.
5. ALL 1-INCH ARMOVERS (IF APPLICABLE) SHALL HAVE A HANGER SECURED TO THE STRUCTURAL STEEL ONLY. NOT TO THE DECK WHEN THE LENGTH EXCEEDS 5'-0" WHERE STATIC PRESSURES ARE UP TO 100 PSI AND 1-1/2" WHERE STATIC PRESSURES EXCEEDS 100 PSI.
6. CEILING GRID SHALL BE PERMITTED TO BE REMOVED IN AREAS WHERE REQUIRED IN ORDER TO COMPLETE THE WORK NEEDED SUCH AS DEMO AND INSTALLATION OF NEW MAINS OR LONG DROPS. IN THIS CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED CEILING TILE OR GRID DURING THE INSTALLATION. ALL REMOVED CEILING TILES MUST BE REPLACED AT THE END OF BUSINESS DAY. AREAS LEFT EXPOSED SUCH AS BUT NOT LIMITED TO BRANCH STUBS GRID AND CEILING TILES SHALL NOT BE PERMITTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING AND INSTALLING MATCHING CEILING TILES TO REPLACE ANY CEILING TILES THAT HAVE EMPTY HOLES DUE TO SPRINKLER REPLACEMENT.
8. USE EACH EXISTING OUTLETS FOR ONE NEW ARM OVER TO NEW SPRINKLER LOCATION UNLESS HYDRAULICALLY CALCULATED. CONTRACTOR SHALL INSTALL 1" INCH MECHANICAL TEES IF ADDITIONAL OUTLETS ARE REQUIRED. AFTER THE DEMOLITION IS COMPLETE THE NEW SPRINKLER SYSTEM SHALL MEET ALL REQUIREMENTS OF NFPA 13.
9. CONTRACTOR SHALL PROVIDE NEW SPRINKLERS AS NECESSARY DUE TO PAINT, DAMAGE, ETC.,
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FIRE LANES DURING THE SPRINKLER SYSTEM UPGRADE PROCESS. THE CONTRACTOR SHALL COORDINATE WITH THE STORE MANAGER ON THE AREA TO BE WORKED ON AT LEAST 24 HOURS IN ADVANCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY OF THE STORES CONTENTS (MERCHANDISE), OR THE BUILDING COMPONENTS AS A RESULT OF THE WORK SHOWN ON THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR SHALL REPAIR ANY LEAKS OR REPLACE ANY LEAKING COMPONENTS AFFECTED BY THIS SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES

1. THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS IS TO PROVIDE GUIDANCE FOR BIDDING. SUBMIT COMPLETE FIRE SPRINKLER SHOP DRAWINGS AS REQUIRED BY CONTRACT DOCUMENTS TO THE OWNERS DESIGNATED REVIEWERS. BASE SPRINKLER DESIGN UPON THESE DRAWINGS AND AS REQUIRED BY THE SPECIFICATIONS. SHOP DRAWINGS MUST INCLUDE ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATION'S METHODS, MATERIAL DATA, AND ADDITIONAL INFORMATION NECESSARY TO CLARIFY THE INTENT OF INSTALLATION.
2. CONTRACTOR SHALL PROVIDE PIPE SIZE, SPRINKLER SPACING, AND SYSTEM CONFIGURATION AS SHOWN. ALTERNATE MATERIALS MUST BE SENT TO THE FIRE PROTECTION ENGINEER OF RECORD OR VIA THE RFI PROCESS AND MUST BE APPROVED IN RECORD DOCUMENTS PRIOR TO BID.
2. COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS, INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS. OBSTRUCTION TO SPRINKLER DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION. ADDITIONAL SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS. BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED. AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
4. SUBMIT A REQUEST FOR INFORMATION FOR QUESTIONS REGARDING THE FIRE PROTECTION DOCUMENTS PER RFI PROCESS LOCATED IN THE FIRE PROTECTION SPECIFICATIONS.
5. NEUTRALIZATION WALLS IF PROVIDED, ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR NEUTRALIZATION WALL PENETRATION DETAIL.
6. PENETRATIONS OF "RATED ASSEMBLIES" SHALL BE FIRE STOPPED WITH AN APPROVED WATER PLUG METHODS REQUIRED BY PROJECT SPECIFICATIONS AND THE AUTHORITY HAVING JURISDICTION.

FIRE SPRINKLER PIPING AND DEMOLITION NOTES

1. CONTRACTOR MUST VISIT THE BUILDING SITE TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS. BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED. AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
2. UNLESS INDICATED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED.
3. DISCONNECT, RELOCATE, AND RECONNECT EXISTING FIRE PROTECTION SYSTEMS AND EQUIPMENT WHERE REQUIRED.
4. NOTE CAREFULLY THAT THE FIRE PROTECTION DRAWINGS ARE INTENDED TO INDICATE, ONLY DIAGRAMMATICALLY, THE EXTENT AND THE GENERAL CHARACTER AND LOCATIONS OF THE WORK INCLUDED. PROVIDE ALL WORK OBVIOUSLY INTENDED, BUT HAVING MINOR DETAILS OMITTED OR NOT SHOWN, COMPLETE AS REQUIRED TO PERFORM THE FUNCTIONS INTENDED. FOLLOW THE CONTRACT DOCUMENTS FOR BUILDING DETAILS AND FIT THE WORK OF THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS THEREIN.
5. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS TO AN APPROVED DUMPING SITE. KEEP CLEAN ALL FIRE PROTECTION WORK PRIOR THE PROJECT COMPLETION.
6. PERFORM ALL WORK ACCORDING TO THE PROJECT PHASING SCHEDULE INFORMATION FOR THIS PROJECT. PROVIDE ALL NECESSARY FIRE PROTECTION WORK, TEMPORARY AND/OR OTHERWISE, AND USE WHATEVER MEANS NECESSARY TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION.
8. CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT.
10. SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE.
11. THE CONTRACTOR SHALL PROPERLY NOTIFY THE LANDLORD, THE LESSOR AND THE ADJACENT TENANTS A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE SCHEDULED IN ADVANCE.

GENERAL UNDERGROUND NOTES

1. ALL UNDERGROUND IS SHOWN FOR HYDRAULIC REFERENCE ONLY.
2. SEE CIVIL DRAWINGS FOR EXACT LOCATIONS IF AVAILABLE.
3. NO NEW WORK UNLESS OTHERWISE NOTED.

PLACARD INFORMATION

THE FOLLOWING INFORMATION MUST BE SHOWN ON THE PLACARDS FOR EACH UL PERFORMANCE BASE DESIGNS. USE A PLACARD FOR EACH CALCULATED DESIGN. PLACARDS SHALL BE ENGRAVED METAL SIGNS, REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION. PLACARDS THAT ARE INSTALLED WITH INFORMATION WRITTEN PERMANENT MARKER WILL NOT BE ACCEPTED.

SYSTEM # X AREA X
SPRINKLER X CALCULATED X
SPRK END HEAD PRESSURE X
HOSE DEMAND X
SYSTEM FLOW DEMAND X
SYSTEM PRESSURE DEMAND X
SYSTEM SAFETY FACTOR X
INSTALLING CONTRACTOR X

UL PERFORMANCE BASE DESIGN
PROJECT 4789112562 NC37964

GENERAL NOTES CONT.

7. THE FIRE PROTECTION ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK. THE CONSTRUCTION PROCEDURES FOLLOWED BY THE CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEERING FIRM'S EMPLOYEES.
8. CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATIONS TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH ALL OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE CHANGES FROM BOTH THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S DESIGNATED REVIEW CONSULTANT IN ADDITION TO OBTAINING THE NECESSARY APPROVALS. THE CONTRACTOR MUST MAKE NOTE OF ANY FIELD OR COORDINATION CHANGES ON THE INSTALLATION DRAWINGS, AND THEN MUST PROVIDE A SET OF AS-BUILT DRAWINGS ONCE COMPLETE.
9. CONTRACTOR MUST VERIFY ALL DROP DOWN LOCATIONS AT EXTERIOR WALLS WITH THE PROJECT MANAGER PRIOR TO INSTALLATION.
10. ALL PIPING MUST BE COORDINATED AROUND FRAMING MEMBERS AND PROPERLY INSTALLED INSIDE THE BAR JOIST.
11. CONTRACTOR SHALL ROUTE PIPING AROUND ALL OBSTRUCTIONS AND PROVIDE SPRINKLER PROTECTION UNDER OBSTRUCTIONS, AS DETAILED IN NFPA 13 STANDARDS AS PART OF THE FIELD COORDINATION AT NO ADDITIONAL COST TO OWNER.
12. ALL SPRINKLER DEFLECTOR DISTANCE REQUIREMENTS SHALL BE IN ACCORDANCE TO THE STANDARDS OUTLINED IN NFPA 13.
13. ALL PIPING PASSING THROUGH CMU WALLS SHALL BE INSTALLED WITH ONE INCH CLEARANCE ON ALL SIDES. (CORE DIAMETER EQUAL TO PIPE +2). ALL CORES SHALL BE COORDINATED WITH STRUCTURAL REINFORCING. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CORING WITH PROPER CLEARANCE AT ALL CMU WALLS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TWO INCH CLEARANCE AROUND ALL PIPING PASSING THROUGH CONCRETE SLABS. THE SPRINKLER CONTRACTOR SHALL FILL ALL CLEARANCES WITH APPROVED MASTIC.
14. ON THE SALES FLOOR AND SEASONAL SHOP, PRIME AND PAINT ALL NEWLY INSTALLED PIPE, PIPE FITTINGS AND SUPPORTS TO MATCH EXISTING CEILING.
15. PROVIDE FLUSHING CONNECTIONS IN ACCORDANCE WITH THE STANDARDS OUTLINED IN NFPA 13.
16. PROVIDE ALL NECESSARY OFFSETS, RISES OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS.
17. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS CLEARANCES, ETC.
18. ARCHITECTURAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE CONTRACT DOCUMENTS FOR LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADE WORK.
19. SPRINKLER SPACING SHALL BE PER NFPA 13 UNLESS OTHERWISE NOTED ON PLANS AND/OR PROTECTION CRITERIA LEGEND.
20. INTERFACE SPRINKLER SYSTEM WITH FIRE PROTECTION SUPERVISORY SYSTEM.
21. ALL MATERIALS SHALL BE UL LISTED OR FM APPROVED. SPRINKLER PIPE SHALL BE MANUFACTURED TO STANDARDS RECOGNIZED BY NFPA 13. THREADED PIPE SHALL HAVE A CORROSION RESISTANCE RATING OF 1.0 OR GREATER. CRIMP-TYPE COUPLINGS SHALL NOT BE USED. THREADABLE THINWALL PIPE WITH CORROSION RESISTANCE RATING OF LESS THAN 1.0 SHALL BE USED ONLY WITH ROLL GROOVE FITTINGS.
22. IF REQUIRED, PROVIDE 24 VOLT AC, ELECTRIC BELL, MODEL NO. PA2006, ELECTRIC BELL BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. LOCATE AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PROVIDE NEW DOUBLE POLE VANE TYPE FLOW DETECTOR, MODEL NO. VSR-F, BY POTTER ELECTRIC SIGNAL OF ST. LOUIS, MISSOURI. SET ADJUSTABLE DELAYED SIGNAL AT 30 SECONDS. MOUNT WATER FLOW INDICATORS NO HIGHER THAN 6 FEET ABOVE FINISH FLOOR.
23. ALL SPRINKLER SYSTEMS THAT ARE TO BE MODIFIED SHALL BE HYDROSTATICALLY TESTED PER NFPA 13 PRIOR TO SPRINKLER SYSTEM MODIFICATION AND SHALL BE HYDROSTATICALLY TESTED AFTER COMPLETION OF WORK.
24. DO NOT HANG OR SUPPORT ANY LOADS OR MAKE ANY ATTACHMENTS TO THE METAL ROOF DECK OR JOIST BRIDGING.
25. SAMMY SCREWS ARE NOT PERMITTED.
26. CEILING FLANGES ARE NOT PERMITTED.
27. PROVIDE RETAINING STRAPS ON HANGERS WHERE REQUIRED.
28. CONTRACTOR IS TO COORDINATE FINAL SPRINKLER HEAD LOCATIONS AND PIPE ROUTING SUCH THAT THEY DO NOT INTERFERE WITH OR RECEIVE DAMAGE FROM THE NORMAL OPERATIONS OF THE AREA.

APPLICABLE CODES

CODE STANDARD	EDITION
NFPA 13	2016
NFPA 25	2017
FFPC	7TH

CONTACT INFORMATION

DOCUMENTS INCLUDE JURISDICTIONAL REQUIREMENTS PROVIDED BY THE FOLLOWING CONTACTS

FIRE SPRINKLER REVIEWING AUTHORITY
Josh Wainiger
(386) 752-5112

SHEET INDEX

STORE ADDRESS

2767 W US Hwy 90
Lake City, FL 32055

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID(S). CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

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0 20' 40' 80'
SCALE: 1"=40'-0"

UNDERGROUND PIPING SHOWN FOR HYDRAULIC CALCULATION PURPOSES ONLY.

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A Science Engineer Partner

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Andrew P Valente

STATE OF FLORIDA
PROFESSIONAL ENGINEER
ANDREW P. VALENTE
No. 82199

12/21/2021

OVERALL FIRE SPRINKLER PLAN

SHEET
OGP-FP1

Hydraulic Information	
Remote Area Name	OGP 128
Occupancy Classification	UL TESTED BY PROVIDER
Density	0 GPM
Total Hose Stream	250 GPM
Flowing Heads	12 @ 15.00 psi
K-Factor	11.2
Total Water Required	776 GPM
Total Pressure Required	37.74 psi
Base of Riser	776 GPM
Base of Riser	37.74 psi
Safety Margin	+21.37 (56.64%)

Hydraulic Information	
Remote Area Name	OGP 26
Occupancy Classification	Ordinary Group II
Density	0 GPM
Total Hose Stream	250 GPM
Flowing Heads	2 @ 38.00 psi
K-Factor	11.2
Total Water Required	373 GPM
Total Pressure Required	42.70 psi
Base of Riser	373 GPM
Base of Riser	42.70 psi
Safety Margin	+28.75 (32.7%)

OGP STOCKROOM (DRY) - (CRITERIA 1)

30 PSI @ SPRINKLERS = 2 SPRINKLERS (11.2 K)
16 PSI @ SPRINKLERS = 4 SPRINKLERS (11.2 K)

250 GPM HOSE
140 SQ FT MAXIMUM SPACING

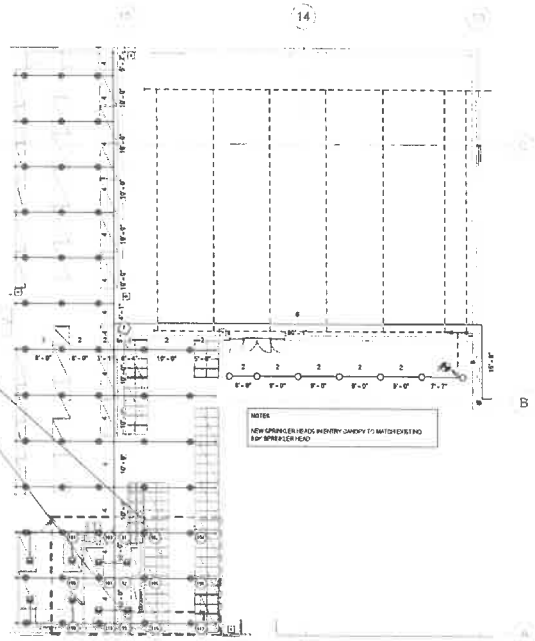
CLASS I IN RACK STORAGE TO 10' (25'-0" CEILING HEIGHT), 10'-0" AISLES TA ULTECHNICAL REPORT PROJECT #NR12882, HOSTING = TABLE 2 SUMMARY OF TESTS, 10/30/02 AND 1/30/02

PICKUP COOLER/FREEZER (EXTRA HAZARD GROUP B)

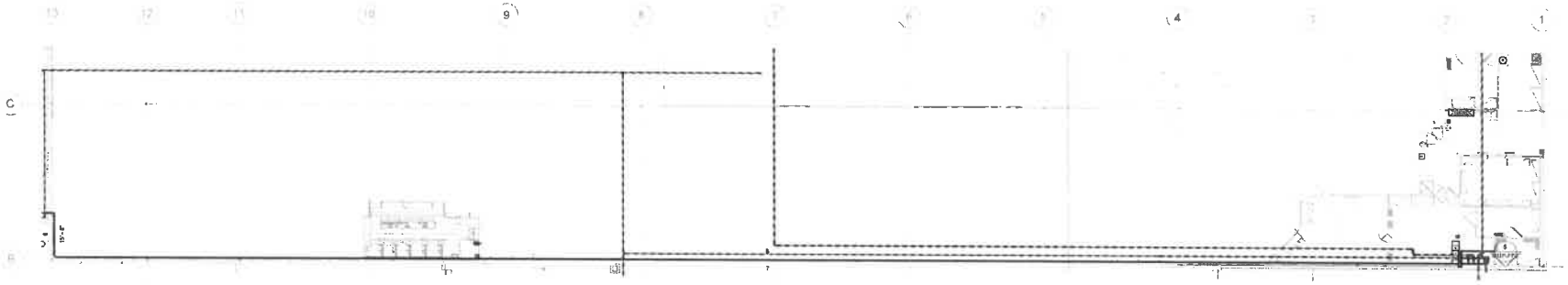
0 - 4,000 SQ FT

500 GPM HOSE
196 SQ FT MAXIMUM SPACING

CLASS I IN RACK TO 12' - 0", NFPA 13 TABLE 13.2.1, 19.2.1



1 OGP EXPANSION
3/32" = 1'-0"



2 SYSTEM 5
1/16" = 1'-0"

FIRE SPRINKLER CONTRACTOR SHALL INSTALL AUTOMATIC AIR VENT AS DESCRIBED IN SPECIFICATION 21000. VERIFY THAT THE AUTOMATIC AIR VENT LOCATION IS AT THE HIGHEST POINT OF THE SYSTEM

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2787 W US Hwy 90 Lake City, FL 32055

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Cabot & Paterson
Architect Engineers Planners

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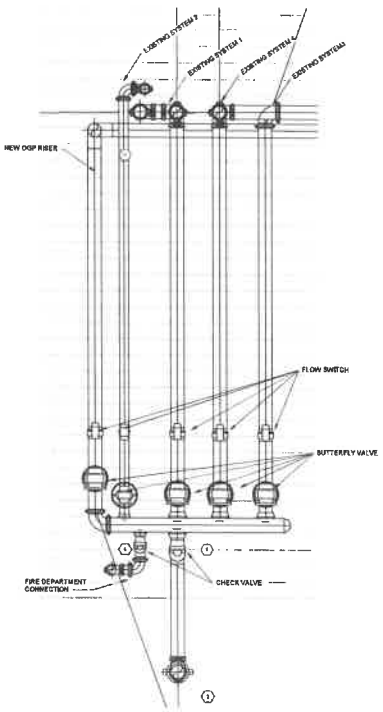
12/21/2021

OGP FIRE SPRINKLER PLAN SYSTEM 1

SHEET
OGP-FP2.1



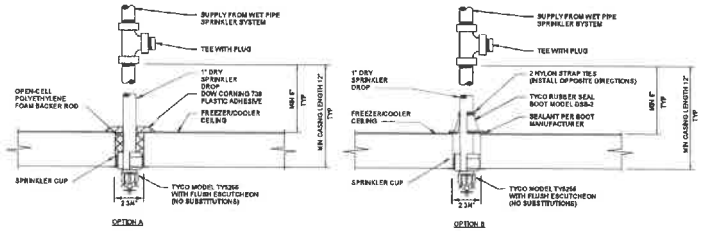
5 FIRE SPRINKLER RISER DIAGRAM
1/2" = 1'-0"

OPTION "A" INSTALLATION PROCEDURE

1. CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED CEILING PANEL. LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS). MAINTAIN 6" CLEARANCE FROM COOLER BEAMS.
2. INSTALL DRY PENDENT SPRINKLER PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
3. COMPLETELY FILL ANNULAR CEILING OPENING BETWEEN THE ESCUTCHEON AND TOP OF CEILING PANEL WITH OPEN-CELL POLYETHYLENE FOAM BACKER ROD. EXPANDED FOAM IS NOT PERMITTED.
4. INJECT DOW CORNING 738 PLASTIC ADHESIVE SEALANT INTO AND AROUND THE TOP OF THE FREEZER/COOLER CEILING CORE OPENING IN ACCORDANCE WITH SEALANT MANUFACTURER'S INSTRUCTIONS.

OPTION "B" INSTALLATION PROCEDURE

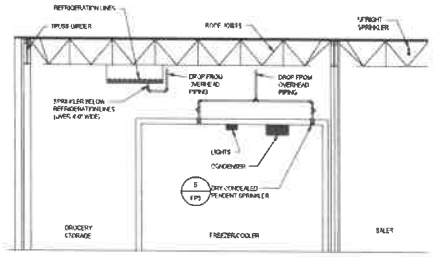
1. CORE DRILL 2 1/2" DIAMETER HOLE IN THE FREEZER/COOLER INSULATED CEILING PANEL. LOCATE HOLE AND REQUIRED SPRINKLER PROTECTION IN ACCORDANCE WITH NFPA 13 OBSTRUCTION CRITERIA (SSP TYPE SPRINKLERS). MAINTAIN 6" CLEARANCE FROM COOLER BEAMS.
2. INSTALL TYCO DRY PENDENT SPRINKLER PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSERT BOOT PRIOR TO MAKE-UP WITH PIPING.
3. COMPLETELY SEAL INTERFACE BETWEEN BOOT FLANGE AND TOP OF FREEZER/COOLER PANEL WITH ADHESIVE PROVIDED WITH BOOT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. APPLY STRAP TIES ON BOOT AROUND DRY SPRINKLER BARREL PER MANUFACTURER'S INSTRUCTIONS.



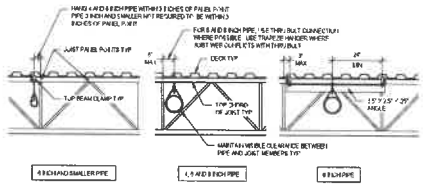
NOTE. CONTRACTOR TO SEAL DRY PENDENT SPRINKLERS AT FREEZER/COOLER USING ONE OF THE OPTIONS ABOVE, NO OTHER SEALANTS ARE PERMITTED

"NOTE TO DESIGNER:
THIS IS FOR PICKUP COOLERS/FREEZERS ONLY. INCLUDE 1 FREEZER DETAIL. USE KEYNOTE 13.670

2 FREEZER COOLER DRY PENDENT
NTS 07/27/18



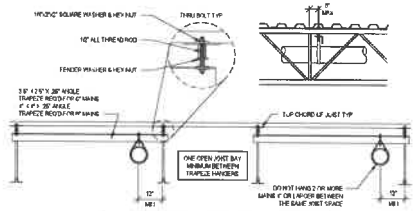
3 FREEZER SECTION
NTS



MAXIMUM HANGER SPACING FOR PIPING PERPENDICULAR TO JOISTS

BEAM CLAMP NUT TRAPEZED	THRU BOLT NUT TRAPEZED	BEAM CLAMP TRAPEZED
4" PIPE EVERY 12'-0" EVERY OTHER JOIST	4" PIPE EVERY 12'-0" EVERY OTHER JOIST	4" PIPE NOT NECESSARY
6" PIPE EVERY 6'-0" EVERY JOIST	6" PIPE EVERY 12'-0" EVERY OTHER JOIST	6" PIPE NOT NECESSARY
8" PIPE NOT ALLOWED	8" PIPE EVERY 6'-0" EVERY JOIST	8" PIPE EVERY 6'-0" EVERY JOIST

PIPE RUNNING PERPENDICULAR TO JOISTS



MAXIMUM HANGER SPACING FOR PIPES PARALLEL TO JOISTS

4" PIPE EVERY 12'-0" NUT TRAPEZED BEAM CLAMP	8" PIPE EVERY 12'-0" TRAPEZED THRU BOLT	4" PIPE EVERY 12'-0" TRAPEZED THRU BOLT

PIPE RUNNING PARALLEL TO JOIST

CONTRACTOR MAY SUBSTITUTE ANGLE IRON TRAPEZE MEMBER WHEN PIPE MEMBER SIZE PIPE MEMBER IN ACCORDANCE WITH NFPA-13 AND MAINTAIN 12 INCH MINIMUM DEFLECTION DISTANCE	UTILIZE THESE HANGING METHODS FOR ALL SPRINKLER PIPING. SPACE TRAPEZE HANGERS IN ACCORDANCE WITH SCHEDULE. LOCATE HANGERS WITHIN 3 INCHES OF JOIST PANEL POINTS WHEN

NOTE: DO NOT SUPPORT SPRINKLER PIPING FROM BOTTOM CHORD OF BAR JOISTS

1 PIPE SUPPORT
NTS

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2767 W US Hwy 90
Lake City, FL 32055

SHEET
OGP-FP3

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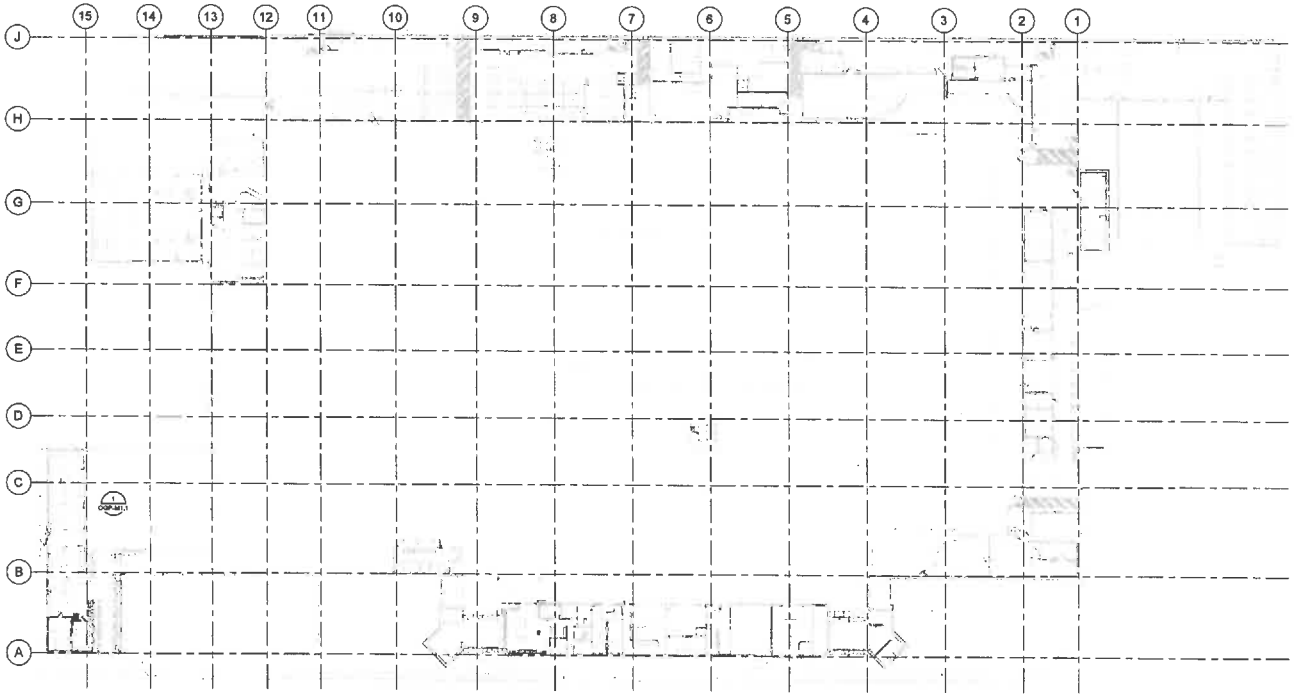

1 OGP OVERALL MECHANICAL PLAN
1" = 20'-0"

KEYNOTES

GENERAL NOTES

1. GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL DRAWINGS.
2. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS AND READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
3. STORE MUST BE KEPT IN OPERATION. ARRANGE ALL WORK TO KEEP DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE WITH EXISTING AND NEW CONSTRUCTION. PAY ALL NECESSARY FEES AND PERMITS.
4. IF NEW CONSTRUCTION DISRUPTS EXISTING UNDERGROUND SERVICES (GAS, SEWER, DOMESTIC WATER, FIRE SPRINKLER, ETC.), PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO MAINTAIN THEIR PROPER OPERATION.
5. CONTRACTOR IS RESPONSIBLE FOR UTILIZING OWNER APPROVED ROOFING CONTRACTORS FOR CUTTING AND PATCHING ROOF.
6. CONTRACTOR SHALL FURNISH AND INSTALL EXHAUST FANS AND EXHAUST FAN CURBS. CONTRACTOR SHALL INSTALL ALL STRUCTURAL SUPPORTS FOR FANS. REFERENCE ARCHITECTURAL/STRUCTURAL SHEETS FOR DETAILS.
7. CONTRACTOR SHALL INSTALL OWNER FURNISHED RTU CURB AND TEMPORARY COVER CURB PER ARCH DETAIL (IF USED). RTU'S SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. CURB ADAPTOR (IF USED) SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. RTU SHALL BE SET ON ROOF CURB. DO NOT SET RTU DIRECTLY ON ROOF. COORDINATE RTU INSTALLATION WITH WALMART CONSTRUCTION MANAGER AND AES AS REQUIRED FOR RTU/AHU CURB ADAPTERS.
8. REPLACE FILTERS ON NEW RTU NO MORE THAN ONE DAY PRIOR TO STARTING TEST & BALANCE PROCEDURES. FILTERS SHALL BE 2" THICK EQUAL TO FARR 30/90.
9. LABEL RTU WITH 6" BLACK PERMANENT PAINT STENCIL AND LABEL SENSOR WITH 2" HIGH BLACK PERMANENT PAINT STENCIL. NUMBER THE SENSOR TO CORRESPOND WITH RTU IT CONTROLS. LOCATE LABEL FOR UNIT NEAR ITS DISCONNECT SO IT IS READABLE FROM ROOF HATCH.
10. IF RTUS ARE INSTALLED BEFORE ROOFING IS COMPLETED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE WHICH OCCURS DURING THE ROOFING PROCESS, INCLUDING TAR ON COILS.
11. ROOFTOP UNIT CONDENSATE SHALL BE ROUTED TO DRAIN WITH THE SLOPE OF THE ROOF.
12. MECHANICAL FAILURE OF NEW ROOFTOP UNITS PRIOR TO ACCEPTANCE BY OWNER, SHALL BE REPAIRED OR REPLACED BY CONTRACTOR THROUGH WARRANTY AGREEMENT WITH MANUFACTURER.
13. IF APPLICABLE, COORDINATE ALL NEW GAS PIPING AND ROOF EQUIPMENT WITH EXISTING GAS PIPING, SKYLIGHTS, AND ROOF EQUIPMENT. FIELD VERIFY EXISTING CONDITIONS.
14. ROOFTOP UNITS BEING ADDED TO EXISTING ROOF STRUCTURE SHALL BE INSTALLED WHEN THE UNITS ARRIVE AT THE JOB SITE. REFERENCE ARCHITECTURAL/STRUCTURAL SHEETS FOR DETAILS.
15. INSTALL VTR'S A MINIMUM OF 36" AND FLUES A MINIMUM OF 36" FROM ROOF EDGE AND/OR PARAPET WALLS. INSTALL VTR'S, FLUES AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE OF ROOF TOP UNITS. INSTALL EXHAUST FANS AND ROOF TOP UNITS A MINIMUM OF 10 FT FROM ROOF EDGE OR A MINIMUM OF 60" FROM PARAPET WALLS THAT ARE AT LEAST 42" HIGH.
16. COORDINATE LOCATION OF DUCTWORK AND DIFFUSERS WITH LIGHT FIXTURES TO PREVENT EXCESSIVE SHADOWING OF THE SALES OR STOCK FLOORS. LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE. FIELD VERIFY STRUCTURAL CONDITIONS BEFORE FABRICATION OF DUCTWORK.
17. FLEXIBLE DUCT CONNECTIONS TO NEW OR RELOCATED DIFFUSERS AND GRILLES ARE PROHIBITED. INSPECT CONDITION OF EXISTING DUCT AND REPLACE DAMAGED DUCT WITH EQUIVALENT TYPE OF DUCT AS REQUIRED.
19. DUCT SIZES SHOWN ON DRAWINGS ARE NET FREE AREA. CONTRACTOR'S OPTION: ROUND DUCTWORK OF EQUIVALENT FREE AREA MAY BE USED IN LIEU OF RECTANGULAR. INCREASE RECTANGULAR SHEET METAL SIZE AS REQUIRED FOR LINER. REFER TO SPECIFICATIONS FOR THE INSULATION THICKNESS.
19. DUCT SUPPORT AND GRILLE DETAIL IS APPLICABLE THROUGHOUT THE STORE. DO NOT USE FASTENERS THAT PENETRATE ROOF DECK.
20. TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT THE STORE.
21. PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
22. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
23. INSTALL ASSET TAGS ON ALL NEW RTU'S AND AHU'S AND COMPLETE THE DATA COLLECTION INFORMATION. DELETE DEMOED ASSETS FROM ASSET TAGGING APPLICATION. REFER TO SPECIFICATIONS.

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Mechanical Engineers Planners

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JOSE I. DIAZ VELASCO
LICENSE
No. 75474
PROFESSIONAL ENGINEER

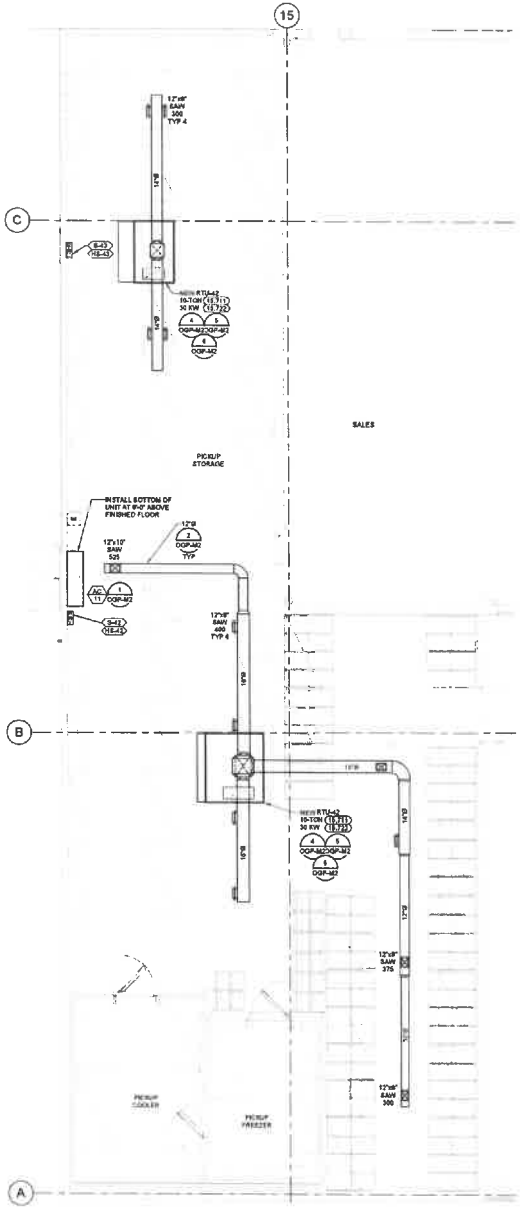
11/12/21

OVERALL MECHANICAL PLAN

SHEET
OGP-M1

KEYNOTES

13.711	REFER TO ARCHITECTURAL ROOF PLAN AND STRUCTURAL PLANS FOR DETAILS OF ROOF CURB INSTALLATION.
15.722	COORDINATE DUCT PENETRATIONS THROUGH ROOF, AND ROUTING OF DUCTWORK WITH CONDUITS, FIRE PROTECTION PIPING, LIGHTS AND STRUCTURE.



1 OGP EXPANSION MECHANICAL PLAN
3/16" = 1'-0"

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Cabot L. Peterson
Mechanical Engineer Consultant

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11/23/21

ENLARGED MECHANICAL PLANS

SHEET
OGP-M1.1

AIR CURTAIN SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL	WEIGHT (LBS)	FAN MOTORS HP	FAN MOTORS VOLTS	FAN MOTORS PH	ELECTRICAL DATA FLA	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	NOTES
AC 11	OGP	BERNER POWERED AIRE	[illegible] CTA-272	190	1/4	120	1	16.0	20.0	[illegible]	E, K, L, N

GENERAL INFORMATION (ALL DEVICES)
1. AIR CURTAINS FURNISHED AND INSTALLED BY CONTRACTOR.
2. INSTALL BOTTOM OF WALL MOUNTED AIR CURTAIN AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
3. PROVIDE A DEDICATED ELECTRICAL CIRCUIT FOR EACH AIR CURTAIN WHEN MULTIPLE AIR CURTAINS ARE INSTALLED AT A SINGLE OPENING.

NOTES
A. FURNISH WITH FACTORY MOUNTED NON-FUSED TOGGLE DISCONNECT SWITCH LOCATED ON TOP OF AIR CURTAIN.
B. FURNISH WITH MANUFACTURER'S 120V PHOTOELECTRIC SENSOR SWITCH. SENSOR REFLECTOR AND REQUIRED ACCESSORIES TO ENERGIZE ALL AIR CURTAINS AT EACH DOOR ON HIGH SPEED WHEN DOOR OPENS AND DE-ENERGIZE AIR CURTAINS WHEN DOOR CLOSES.
C. UNIT SHALL BE TOP MOUNTED, FOR CURTAIN INSTALLATIONS NOT DETAILED ON ARCHITECTURAL DRAWINGS. SUSPEND CURTAINS FROM UNISTRUT INSTALLED BELOW DOOR TRACK AND SPANNING ENTIRE DOOR OPENING AS REQUIRED. SUPPORT UNISTRUT FROM STRUCTURE.
D. AS REQUIRED, ALL OPENINGS WITH TWO AIR CURTAINS TO BE FURNISHED WITH A FIELD MOUNTED AND WIRED RELAY TO ALLOW FOR ONE SWITCH TO ACTIVATE TWO AIR CURTAINS.
E. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED SINGLE PHASE CONTROL PANEL, LEFT END.
F. BERNER UNIT SHALL BE FURNISHED WITH TANDEM PERFORMANCE KITS.
G. BERNER UNIT SHALL BE FURNISHED WITH FACTORY INSTALLED INTELLIMATCH DIGITAL CONTROLLER.
H. FURNISH WITH A FIELD MOUNTED AND WIRED 24V MAGNETIC LIMIT DOOR SWITCH AND TIME DELAY TO ENERGIZE AIR CURTAIN WHEN DOOR OPENS AND CONTINUE OPERATION FOR 60 SECONDS AFTER DOOR CLOSES.
I. UNIT SHALL BE TOP MOUNTED AND SUPPORTED FROM STRUCTURE. REFERENCE MECHANICAL AND STRUCTURAL DRAWINGS
J. FURNISH WITH MANUFACTURER'S WALL MOUNTING PLATE FOR INSTALLATION ABOVE DOOR OPENING WITH BOTTOM OF UNIT FLUSH WITH TOP OF DOOR.
K. INSTALL BOTTOM OF AIR CURTAIN NO HIGHER THAN 8'-0" AFF. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
L. AIR CURTAIN SHALL BE TESTED IN ACCORDANCE WITH ANSI/NMCA 230.
M. UNITS SHALL BE BLACK IN COLOR.
N. BERNER FURNISHED WITH FACTORY INSTALLED FAN SPEED CONTROL WITH TAMPER PROOF COVER.

AIR DEVICE SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	STYLE	FRAME TYPE	FACE SIZE	NOTES
[illegible]	SUPPLY [illegible]	TUTTLE & BAILEY E.H. PRICE CARNES	TM 52606 RT06V REGISTER	[illegible] REGISTER	SURFACE MOUNT	[illegible] TO DRAWINGS	B, E, F,

VOLUME / BALANCE DAMPER SCHEDULE

TYPE	MANUFACTURER / MODEL
ROUND	AES / WMVCD RUSKIN / VMR5.5S
RECTANGULAR	AES / AMD6 RUSKIN / VMMD6

GENERAL INFORMATION (ALL DEVICES)
1. INSTALL BOTTOM OF WALL MOUNTED AIR DEVICES AT ELEVATION INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
2. BALANCE DAMPER CONTACTS
AES - (800) 798-0492
RUSKIN - (816) 761-7476

NOTES
A. 4-WAY (DB1-DB3) OR 4-WAY (DB4-DB6) THROW UNLESS SHOWN OTHERWISE WITH FLOW ARROWS ON PLAN.
B. ALL STEEL CONSTRUCTION.
C. ALL ALUMINUM CONSTRUCTION.
D. BRANCH DUCT SIZE SHALL BE SAME AS NOTED DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
E. STANDARD WHITE FINISH.
F. PROVIDE NECK FOR DUCT CONNECTION.
G. DROP BOX DIFFUSERS FURNISHED BY OWNER INSTALLED BY CONTRACTOR. REFERENCE SPECIFICATIONS.
H. PROVIDE INTEGRAL OPPOSED BLADE DAMPERS ON ALL DRUM LOUVERS ON DROP BOXES WITH BRANCH DUCTWORK ATTACHED TO THE SUPPLY PLENUM.
I. PROVIDE MANUFACTURER'S OPPOSED BLADE DAMPER ACCESSIBLE THROUGH FACE UNLESS NOTED OTHERWISE.
J. PROVIDE WITH FASTENERS FOR COMPLETE (NON-HINGED) REMOVABILITY OF GRILLE. DO NOT PROVIDE FILTER UNLESS NOTED OTHERWISE.
K. TWO 2" SLOTS WITH MANUFACTURER'S INSULATED PLENUM (TUTTLE & BAILEY LP, PRICE JAIR, CARNES EGPC).
L. REFER TO PLANS FOR DIRECTIONAL ARROWS INDICATING CFM THROWS FOR PROPER GRILLE SELECTION. NO DIRECTIONAL ARROWS INDICATES 4-WAY THROW.
M. PROVIDE ROUND NECK ADAPTER
N. PROVIDE CEILING TRANSITION REGISTER BOX WITH 18" OR 24" PLATE FOR ROUGH-IN.

ROOFTOP UNIT SCHEDULE (LENNOX)

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

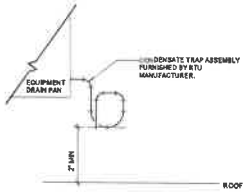
MARK	AREA SERVED	MODEL	NOMINAL CAPACITY (TONS)	SUPPLY FAN CFM	SUPPLY FAN HP	SUPPLY FAN ESP (IN.)	SUPPLY FAN DRIVE KIT	OUTSIDE AIR CFM	OPERATION	EFFICIENCY ARI SEER	EFFICIENCY ARI EER	HEATING TYPE GAS (MBH)	HEATING TYPE ELEC (KW)	SMOKE DETECTOR LOCATION	ELECTRICAL VOLTS	ELECTRICAL MCA	ELECTRICAL MOCP	WEIGHT (LBS)	NOTES
RTU 42	OGP	SCH [illegible]	15.0	3600	1.00	0.50	STANDARD	360	AUTO	11.8		35		SA	480	[illegible]	60	1751	E, K, N
RTU 43	OGP	[illegible]	3.0	1200	1.00	0.50	[illegible] CM	120	AUTO	15.0	13.0		11		480	[illegible]	20	640	E, K, N

GENERAL INFORMATION (ALL UNITS)
1. UNITS ARE 3 PHASE, 60 HERTZ, UNITS MUST BE UL OR ETL AS WELL AS AGA APPROVED. MINIMUM AFUE = 90%.
2. OUTSIDE AIR IS CONDITIONED THROUGH THE AIR HANDLING UNITS FOR THE SALES FLOOR AREA AND THROUGH THE ROOFTOP UNITS AS SCHEDULED ABOVE IN ACCORDANCE WITH ASHRAE 62.1-2019.
3. FURNISHED WITH FACTORY INSTALLED SMOKE DETECTORS. SMOKE DETECTORS ARE NOT REQUIRED IN UNITS SUPPLYING OVER 2000 CFM THAT ARE NOT CAPABLE OF SPREADING SMOKE BEYOND THE ENCLOSING WALLS.
4. REFRIGERANT R-410A.
5. FURNISHED WITH FACTORY INSTALLED HACR-TYPE RATED CIRCUIT BREAKER.
6. SINGLE POINT POWER AND GAS ENTRY CONNECTIONS.
7. ROOF CURB AND ANCHOR BRACKETS FURNISHED BY OWNER. INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS AND HVAC SEISMIC/WIND RESTRAINT BRACKET DETAIL.
8. FURNISHED WITH FACTORY INSTALLED RTU CONTROLLER. REFER TO SCHEDULE NOTES FOR BAS VENDOR SPECIFIC REQUIREMENTS.
9. REFER TO SCHEDULE NOTES FOR UNIT-SPECIFIC TEMPERATURE SENSORS.
10. FURNISHED WITH FACTORY INSTALLED HIGH PERFORMANCE, FULLY MODULATING ECONOMIZER.
11. FURNISHED WITH FACTORY INSTALLED CONVENIENCE RECEPTACLE.
12. MULTI-STAGE COOLING UNITS ARE PROVIDED WITH MULTI-STAGE SUPPLY AIR VOLUME (MSAV) TECHNOLOGY FOR PART-LOAD OPERATION EN ERGY SAVINGS.
13. FURNISHED WITH 2 INCH, MERV8 (MINIMUM 57 EFFICIENCY REPORTING VALUE) AIR FILTER.

NOTES
A. INDOOR AIR QUALITY "IAQ" UNIT FURNISHED WITH CO2 SENSOR (STN3). CO2 SENSOR INSTALLED BY BAS CONTRACTOR. REFER TO BAS SHEETS.
EXTERNALLY LABEL UNIT "IAQ" IN 3" RED LETTERS. REFER TO SPECIFICATIONS.
B. FURNISHED WITH TEMPERATURE SENSOR (S4.6kΩ). INSTALLED BY BAS CONTRACTOR.
C. FURNISHED WITH OVERRIDE TEMPERATURE SENSOR (S4.6Ω). INSTALLED BY BAS CONTRACTOR.
D. FURNISHED WITH AVERAGING TEMPERATURE RTI (12kΩ). INSTALLED BY BAS CONTRACTOR.
E. FURNISHED WITH HUMIDITY SENSOR (1-10VDC) AND FACTORY INSTALLED HUMIDITY-TO-REHEAT COIL. HUMIDITY SENSOR INSTALLED BY BAS CONTRACTOR.
F. FURNISHED WITH INSULATED PANEL BASE AND ALIGNMENT BRACKETS FOR MOUNTING TO EXISTING LENNOX "L" SERIES CURB WITHOUT A CURB ADAPTER. CONTRACTOR TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
G. FURNISHED WITH VERTICAL VENT EXTENSION KIT WITH VENT CAP LOCATED JUST ABOVE TOP SUR FACE OF UNIT.
H. FURNISHED WITH KEY ACTIVATED REMOTE SMOKE DETECTOR TEST STATION INSTALLED BY MECHANICAL CONTRACTOR.
I. FURNISHED WITH FACTORY INSTALLED BAROMETRIC RELIEF DAMPER.
J. FURNISHED WITH BACNET CARD FOR USE WITH BACNET CAPABLE BAS SYSTEM.
K. FIELD INSTALLED CONTROLS BY CONTRACTOR. REFER TO BAS SHEETS FOR ADDITIONAL INFORMATION.
L. FURNISHED WITH FACTORY APPLIED CORROSION INHIBITING TREATMENT #3 REQUIRED (MERIN 1 MILES).
M. FURNISHED WITH FACTORY APPLIED CORROSION INHIBITING TREATMENT #2 REQUIRED (1-5 MILES).
N. FURNISHED WITH FACTORY INSTALLED CONDENSATE DRAIN PAN FLOAT SWITCH KIT.
O. FURNISHED WITH FACTORY INSTALLED PROPANE KIT.

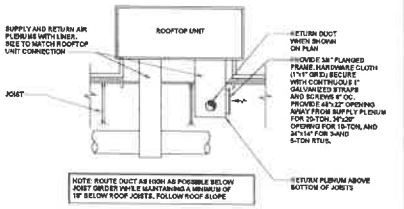
MECHANICAL SYMBOLS

18"x12"	RECTANGULAR DUCT 18" WIDE BY 12" DEEP
12" Ø	12" DIAMETER ROUND DUCT
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	ROUND (OR OVAL) ELBOW
	VOLUME/BALANCE DAMPER
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
24"x24" CD 450	BRANCH DUCT AND/OR NECK SIZE DIFFUSER OR GRILLE TYPE CFM
T	THERMOSTAT
S	TIMER
S-A	TEMP SENSOR
	CONNECT TO EXISTING
ETX	EXISTING TO REMAIN
FD	FIRE DAMPER



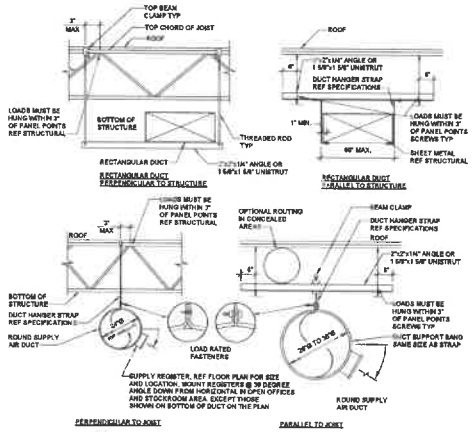
RTU CONNECTION

6 CONDENSATE DRAIN/SUPPORT
NTS

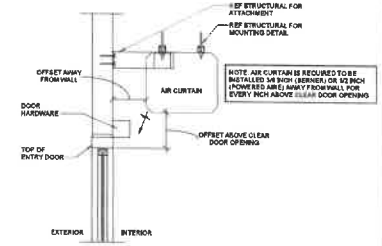


NOTE: ROUTE DUCT AS HIGH AS POSSIBLE BELOW JOIST ORDER WHILE MAINTAINING A MINIMUM OF 18" BELOW ROOF JOISTS. FOLLOW ROOF SLOPE

5 RTU DUCTWORK DETAIL
NTS



2 DUCT SUPPORT AND GRILLE
NTS



NOTE: AIR CURTAIN IS REQUIRED TO BE INSTALLED 3/8 INCH (BERNER) OR 1/2 INCH (POWERED AIRE) AWAY FROM WALL FOR EVERY INCH ABOVE CLEAR DOOR OPENING

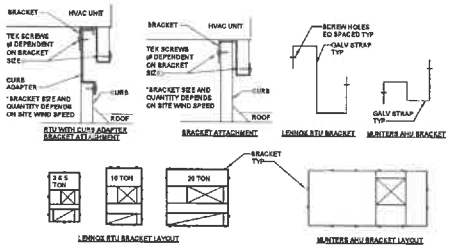
NOTES:
1. ENSURE AIR CURTAIN INSTALLATION ALLOWS PROPER DOOR OPERATION, AIR CURTAIN AIRFLOW, AND ACCESS TO AIR CURTAIN AND DOOR HARDWARE AS APPLICABLE FOR MAINTENANCE.
2. AIR CURTAIN IS REQUIRED TO BE OFFSET FROM WALL IF INSTALLED HIGHER THAN 1' ABOVE DOOR OPENING.
3. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND POST-INSTALLATION AIRFLOW PATTERN VERIFICATION. REF SPECIFICATIONS.

1 AIR CURTAIN INSTALLATION
NTS

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

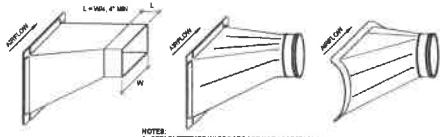
EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

BRACKET CONSTRUCTION, QUANTITIES AND SPACING SHOWN ON THIS DETAIL IS FOR GENERAL COORDINATION ONLY. INSTALL BRACKETS ACCORDING TO CURB/CURB ADAPTER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



BRACKETS ARE FURNISHED WITH ROOF CURB OR CURB ADAPTER. ROOF CURB/CURB ADAPTER SUPPLIER IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION INSTRUCTIONS FOR THE BRACKETS. COORDINATE FINAL BRACKET LOCATIONS AND INSTALLATION WITH ALL SUPPLIERS AND DO NOT OBSTRUCT OPENINGS OR UTILITY CONNECTIONS.

4 HVAC SEISMIC/WIND RESTRAINT BRACKET
NTS



NOTES:
1. SPIN-IN FITTINGS W/ SCOOPS ARE NOT ACCEPTABLE
2. REF PLANS FOR RUNOUT SIZES
3. 45° LEAD IN

3 HIGH EFFICIENCY BRANCH DUCT FITTING
NTS

Cohen & Potopsky
Mechanical Engineers Planners

STIPULATION FOR REUSE

CONSULTANTS

Walmart
LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO: 0767-247
JOB NUMBER: 231078 | PROTO
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ISSUE BLOCK

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DOCUMENT DATE	11/23/21

STATE OF FLORIDA
No. 75474
PROFESSIONAL ENGINEER
11/23/21

MECHANICAL DETAILS AND SCHEDULES

SHEET
OGP-M2

CONTROL INFORMATION

DESCRIPTION	TYPE	ON/OFF OUTPUT	ON/OFF PROGRAMMING	R OP INPUT/ PROGRAMMING
BAKER VIDEO LIGHTING	CONTACTOR	IOM/2 EDC1A - #8	CODORDINATE WITH STORE MANAGER	IOM/2 EDC1A- #7 2HR ON
SUSPENDED PRODUCE CYLINDER LIGHTING	CONTACTOR	IOM/2 EDC1A - #8	24 / 7 ON	N/A
SUSPENDED PRODUCE STRIP LIGHTING	POWER SWITCHING	NO-HOP/EDC1	24 / 7 ON	N/A
SUSPENDED BUNKER LIGHTING	POWER SWITCHING	NO-HOP/EDC1	24 / 7 ON	N/A

WIRE LEGEND

WIR-1010 (TAN CABLE 18-2, 20-2 TWISTED PAIR)
WIR-2020 (BLUE CABLE 22-2 TWISTED PAIR)
BELDEN 8718 (18-2 TWISTED PAIR)
BELDEN 8761 (22-2 TWISTED PAIR)
BELDEN 8771 (22-3 TWISTED PAIR)
BELDEN 8418 (18-4 WO/RAIN GROUND)
BELDEN 1120A (18-3 TWISTED PAIR)

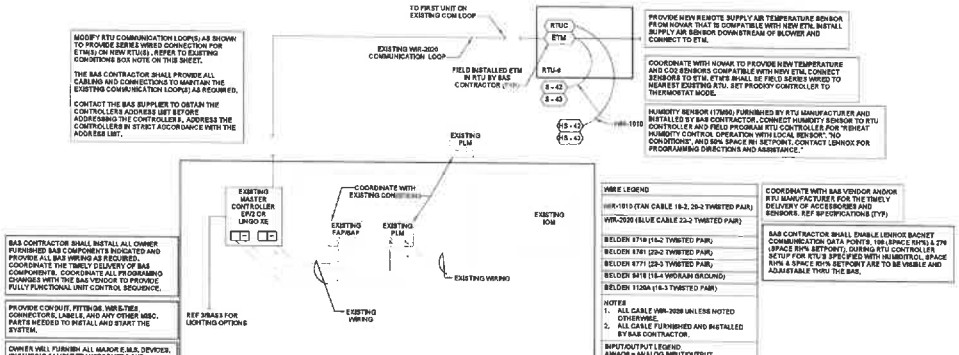
NOTES:
1. ALL CABLE WIR-2020 UNLESS NOTED OTHERWISE.
2. ALL CABLE FURNISHED AND INSTALLED BY BAS CONTRACTOR.

GENERAL BAS NOTES

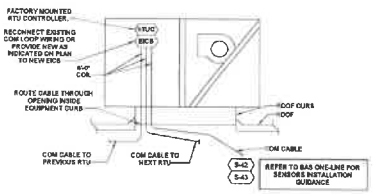
1. TEMPERATURE AND CO2 SENSOR MOUNTING PROVIDE 1/2" CONDUIT AND INSTALL BAS CABLE FROM SENSOR TO CONTROL MODULE. MOUNT SENSOR ON BOX. ALL SENSORS TO BE MOUNTED AT +84" UNLESS NOTED OTHERWISE. SENSORS ON SALES FLOOR SHALL BE INSTALLED ON THE BACK SIDE OF COLUMN. DO NOT INSTALL SENSORS IN HVAC SUPPLY AIR PATH OR IN DIRECT SUNLIGHT. REF MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
   A. GYPSUM BOARD WALLS: PROVIDE A 4" SQUARE RECESSED BOX WITH A SINGLE GANG PLASTER RING FLUSH MOUNTED VERTICALLY.
   B. BLOCK WALLS AND COLUMNS: PROVIDE A 2"X4" BOX SURFACE MOUNTED VERTICALLY.
   C. INSULATE BEHIND SENSORS MOUNTED ON EXTERIOR WALLS WITH 1/2" POLYSTYRENE SPACER.
   D. MOUNT CO2 SENSORS 6" ABOVE TEMPERATURE SENSORS.
2. TERMINATIONS SHALL BE MADE IN ACCORDANCE WITH BAS SUPPLIER INSTALLATION INSTRUCTIONS. NO FOIL OR UNUSED WIRE(S) SHALL BE EXPOSED AFTER APPLICATION OF HEAT SHRINK.
3. CABLE PROVIDE CABLE ACCORDING TO DRAWINGS. NO DEVIATION FROM DRAWINGS WILL BE ACCEPTED. CABLES SHALL HAVE EACH END LABELED INDICATING WHERE THE OPPOSITE END TERMINATES. CABLE SHALL BE INSTALLED IN CONDUIT OR CABLE TRAY IN FINISHED AREAS OF BUILDING, EXCEPT HVAC CABLE IN SALES FLOOR AREA AT BAR JOISTS.
4. MINOR CHANGES IN MATERIALS OR TERMINATION POINTS SHALL NOT INCREASE CONTRACT COST.
5. ROUTE BAS CONDUITS IN CONCEALED LOCATIONS IN WALLS, PIPE RACKS AND/OR CHASES. PROVIDE A TRANSITION FROM THE PVC UNDERSLAB BAS CONDUIT TO EMT OR FLEX. BAS CABLES SHALL BE RUN IN CONDUIT FULL LENGTH: BENEATH REFRIGERATED CASES, BAS CABLES AT BAR JOIST LEVEL IN OPEN SALES AREA AND THE STOCKROOM CAN BE EXPOSED.
6. DEMOLITION: COORDINATE WITH ARCHITECTURAL DEMOLITION PLANS THE EXTENT OF BAS DEMOLITION. REMOVE CONDUIT AND WIRES ALL THE WAY BACK TO ORIGINATING JUNCTION BOXES OR DEVICES. DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS.
7. BAS CONTRACTOR SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER ON PERFORMING EQUIPMENT TESTS ON POWER SWITCHING PANELS AS NECESSARY.
8. DIMMING CONTROL WIRING MUST TERMINATE IN HOME RUN FIXTURES ONLY. AS SHOWN ON EMS PLANS. PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT MODIFY THE LISTED FIXTURES WIRING HARNESS OR TERMINATE CONTROL WIRING IN THE ADJACENT FIXTURES.
9. DO NOT INSTALL EQUIPMENT OR CONDUITS DIRECTLY UNDER SKYLIGHT WELLS UNLESS INDICATED OTHERWISE ON PLANS.
10. WHERE GROUPED CONDUITS ARE INSTALLED WITHIN THE JOIST SPACE, COORDINATE WITH SPRINKLER CONTRACTOR PRIOR TO INSTALLATION IN ORDER TO MAINTAIN REQUIRED CLEARANCES FROM SPRINKLERS.
11. 24 HOURS PRIOR TO SHUTTING DOWN HVAC SYSTEMS OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND EMAIL TO MERA@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO MERA@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

BAS SYMBOLS

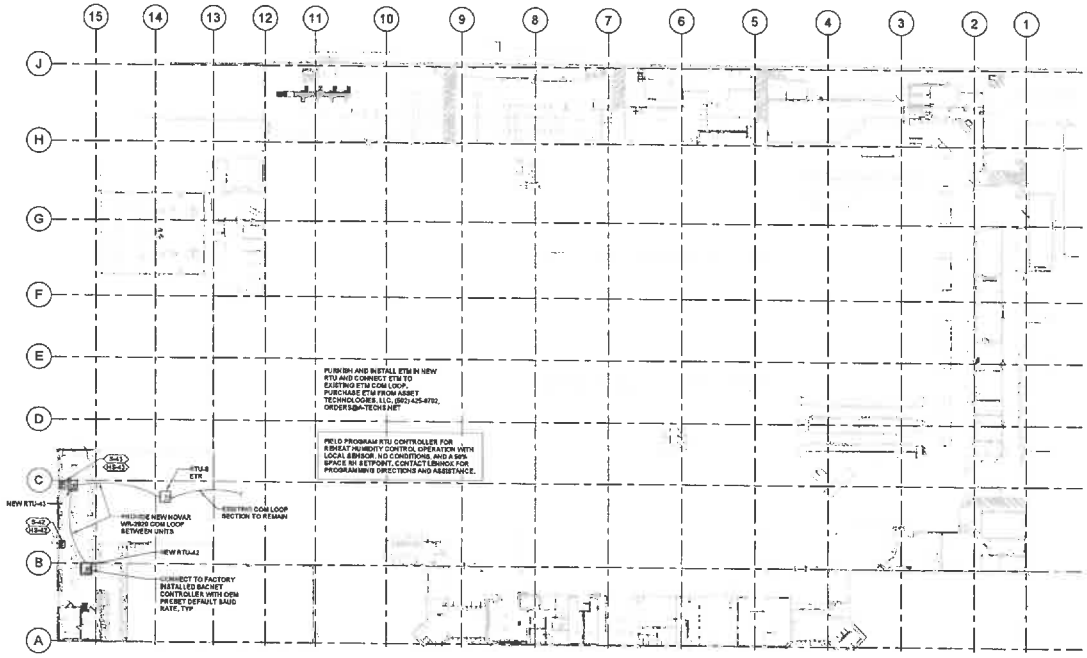
AHUC	AHU CONTROLLER
AHUS#	AHU TEMP/H SENSOR
ALS	ANALOG LIGHT SENSOR
ETM	ELECTRONIC THERMOSTAT MODULE
IDS	INDOOR DEWPOINT SENSOR
IHS	INDOOR HUMIDITY SENSOR
ITS	INDOOR TEMPERATURE SENSOR
ODS	OUTDOOR DEWPOINT SENSOR
OTS	OUTDOOR TEMPERATURE SENSOR
OS-x	OVERRIDE TEMPERATURE SENSOR
S-X	WALL TEMPERATURE SENSOR
S#	UNIT HEATER TEMPERATURE SENSOR
HS-X	WALL HUMIDITY SENSOR
RTUC	ROOFTOP UNIT CONTROLLER
EICB	EQUIPMENT INTERFACE COMM BOARD
BAP	BUILDING ALARM PANEL
CO2	CARBON DIOXIDE SENSOR
FDI	FLUORESCENT DIMMER INTERFACE
HR	HUMIDITY INTERFACE RELAY
IAO	INTERFACE ANALOG OUTPUT
IFP	INTERFACE PANEL
IOM	INPUT/OUTPUT MODULE
IR	INTERFACE RELAY
CF	CONTACTOR
MIMM	AHU INTERFACE AND/OR I/O MODULE
PLM	PHASE LOSS MONITOR
PSOP	POWER SWITCHING OVERRIDE PANEL
PSP	POWER SWITCHING PANEL
ROP	REMOTE OVERRIDE PANEL
ELDP	ECLIPSE LIGHT DIMMING PANEL
UCM	UNITARY CONTROL MODULE
ES1	BAS CONTROLLER
LINOO EPG	BAS CONTROLLER
LINOO XE	BAS CONTROLLER
LCD	NOVAR LCD DISPLAY
Ⓢ	MOMENTARY PUSH BUTTON SWITCH
———	NEW EQUIPMENT
———	EXISTING EQUIPMENT
— — —	FACTORY INSTALLED EQUIPMENT
	EQUIPMENT TO BE DEMOLISHED



3 RTU/AHU REPLACEMENT PARTIAL BAS ONE-LINE (NOVAR)
12" = 1'-0"



2 RTU SENSOR & WIRE DETAIL - EICB
12" = 1'-0"



1 OGP BUILDING AUTOMATION PLAN
1/32" = 1'-0"

ALL HVAC WORK ON THIS PROJECT IS TO BE COMPLETED BY A WALMART APPROVED CONTRACTOR.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID#. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

Walmart
LAKE CITY, FL
2767 W US HIGHWAY 90
STORE NO. 0767-247
JOB NUMBER: 2170202 PROTO: 1M PROTO 02

ISSUE BLOCK

CHECKED BY:	JM
DRAWN BY:	HCM
PROTO CYCLE	08/17/21
DOCUMENT DATE:	11/02/21

STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/02/21

BUILDING AUTOMATION SYSTEM

SHEET
OGP-BAS1

AIR-COOLED ROOFTOP UNITS

RTU CONTROLLER SHALL COMMUNICATE DIRECTLY TO THE BAS

ALL RTU ZONE SETPOINTS FROM THE BAS ARE AS FOLLOWS

RTU ZONE SETPOINTS

MARK	AREA SERVED	OCCUPIED (2) SCHEDULE	OCCUPIED COOLING SETPOINT (°F +/-0.5°F)	OCCUPIED HEATING SETPOINT (°F +/-0.5°F)	UNOCCUPIED (2) SCHEDULE	UNOCCUPIED COOLING SETPOINT (°F +/-0.5°F)	UNOCCUPIED HEATING SETPOINT (°F +/-0.5°F)	HUMIDITY SETPOINT	NOTES
RTU 43	OGP	24/7	75	68	N/A	78	60	55	
RTU 44	OGP	24/7	75	68	N/A	78	60	55	

(1) SET PHARMACY RTU SENSOR TO ALLOW +/- 3 DEG F USER SPACE SETPOINT ADJUSTMENT
(2) ADJUSTMENTS TO SCHEDULE WILL NEED TO BE MADE IF THE STORE IS NOT OPEN 24/7.
(3) VESTIBULE RTU OPERATION SHALL BE LOCKED OUT BETWEEN 40°F AND 85°F AMBIENT.

DEHUMIDIFICATION OPERATION (FOR UNITS WITH HUMIDITY SETPOINT IN RTU ZONE SETPOINTS SCHEDULE)
WHEN THE SPACE HUMIDITY EXCEEDS SCHEDULED RH SETPOINT, THE OEM CONTROLLER SHALL ENERGIZE DEHUMIDIFICATION MODE. WHEN THE SPACE HUMIDITY DROPS BELOW SCHEDULED RH SETPOINT MINUS BIDOOR HUMIDITY DEADBAND, THE OEM CONTROLLER SHALL DE-ENERGIZE DEHUMIDIFICATION.

SUPPLY FAN OPERATION
FOR RTUS IDENTIFIED IN THE MECHANICAL SCHEDULE TO BE "CONT" FAN CONTROL, THE BAS SHALL ENERGIZE THE SUPPLY FAN TO OPERATE CONTINUOUSLY IN OCCUPIED MODE ONLY. IN UNOCCUPIED MODE, THE OEM CONTROLLER SHALL ENERGIZE THE SUPPLY FAN TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

FOR RTUS IDENTIFIED IN THE MECHANICAL SCHEDULE TO BE "AUTO" FAN CONTROL, THE OEM CONTROLLER SHALL ENERGIZE THE SUPPLY FAN TO OPERATE ONLY ON A CALL FOR HEATING OR COOLING.

FOR RTUS WITH VARIABLE SPEED FAN OPERATION, THE FAN SPEED SHALL BE CONTROLLED BY THE OEM CONTROLLER BASED ON AMOUNT OF OPERATING COMPRESSOR CAPACITY. VARIABLE SPEED FAN CONTROL SHALL RANGE LINEARLY OR IN DISCRETE STAGES FROM MINIMUM SETTING UP TO DESIGN AIRFLOW AS DETERMINED BY OEM BASED ON COMPRESSOR CAPACITY CONTROL. SUPPLY FAN SPEED DURING ECONOMIZER OPERATION SHALL BE CONTROLLED BY THE OEM CONTROLLER AND SHALL BE AT DESIGN AIRFLOW FROM MECHANICAL SCHEDULE.

OUTSIDE AIR DAMPER OPERATION
WHEN THE SUPPLY FAN IS OFF, THE OUTSIDE AIR DAMPER SHALL GO TO THE 0% OPEN POSITION.

UNLESS OPERATING IN ECONOMIZER MODE, WHEN THE SUPPLY FAN IS ON THE OUTSIDE AIR DAMPER SHALL GO TO THE MINIMUM POSITION AS BY TEST AND BALANCE PER THE OUTSIDE AIR QUANTITY ON THE MECHANICAL SCHEDULE AND IS ADJUSTABLE FROM 0 TO 100%.

ECONOMIZER COOLING OPERATION (ECONOMIZER ENABLED)
UPON AN ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND A CALL FOR COOLING BASED ON SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, ECONOMIZER COOLING SHALL BE ENERGIZED AND THE OEM CONTROLLER SHALL MODULATE THE OUTSIDE AIR AND RETURN AIR DAMPERS TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 45 DF. THE UNIT SHALL RUN IN ECONOMIZER MODE FOR A MINIMUM OF 10 MINUTES AFTER THE ECONOMIZER DAMPER HAS MODULATED TO THE 100% OPEN POSITION BEFORE ENERGIZING THE FIRST STAGE MECHANICAL COOLING. THE OEM CONTROLLER SHALL DISABLE MECHANICAL COOLING WHEN OUTSIDE AIR TEMPERATURE FROM THE OEM OUTDOOR AIR SENSOR IS LESS THAN 45 DF.

IF THE SPACE TEMPERATURE INCREASES TO >= 0.5 DEG ABOVE SPACE COOLING SETPOINT AND THE ECONOMIZER DAMPER HAS BEEN 100% OPEN FOR A MINIMUM OF 10 MINUTES, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MAINTAIN THE OUTSIDE AIR DAMPER AT THE 100% OPEN POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG F INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.

COOLING STAGES

STAGE #	ON	OFF
ECONOMIZER	SP+0.5	SP-0.5
1	SP+1.0	SP
2	SP+1.5	SP+0.5
3 & 4	SP+2.0	SP+1.0

COOLING OPERATION (ECONOMIZER DISABLED)
IF THERE IS NO ECONOMIZER ENABLE SIGNAL FROM THE BAS TO THE OEM CONTROLLER AND UPON A CALL FOR COOLING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE MECHANICAL COOLING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO INCREASE AFTER MECHANICAL COOLING IS ENERGIZED, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES OF MECHANICAL COOLING IN 0.5 DEG INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF COOLING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF COOLING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

COOLING STAGES SHALL DE-ENERGIZE AS THE COMPRESSOR CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.

COOLING STAGES

STAGE #	ON	OFF
1	SP+0.5	SP-0.5
2	SP+1.0	SP
3	SP+1.5	SP+0.5
4	SP+2.0	SP+1.0

HEATING OPERATION
UPON A CALL FOR HEATING BASED ON THE SPACE TEMPERATURE SENSOR INPUT TO THE OEM CONTROLLER, THE OEM CONTROLLER SHALL ENERGIZE FIRST STAGE HEATING AND MODULATE THE OUTSIDE AIR DAMPER TO THE MINIMUM POSITION.

IF THE SPACE TEMPERATURE CONTINUES TO DECREASE AFTER ENERGIZING HEATING, THE OEM CONTROLLER SHALL CONTINUE TO ENERGIZE ADDITIONAL STAGES HEATING IN 0.5 DEG INCREMENTS OF SPACE TEMPERATURE, IF AVAILABLE.

IF THE CUTOUT TEMPERATURE FOR ANY STAGE OF HEATING IS NOT REACHED WITHIN 15 MINUTES, THE NEXT STAGE OF HEATING SHALL BE ENERGIZED TO SATISFY THE CUTOUT TEMPERATURE.

HEATING STAGES SHALL DE-ENERGIZE AS THE HEATER CUTOUT TEMPERATURES ARE SATISFIED IN 0.5 DEGREE INCREMENTS.

HEATING STAGES

STAGE #	ON	OFF
1	SP-0.5	SP+0.5
2	SP-1.0	SP
3	SP-1.5	SP-0.5
4	SP-2.0	SP-1.0

AMBIENT TEMPERATURE
MAST MOUNTED TEMPERATURE SENSOR TO SEND DRYBULB TEMPERATURE TO BAS.

AMBIENT DEWPOINT TEMPERATURE
MAST MOUNTED DEWPOINT SENSOR TO SEND DEWPOINT TEMPERATURE TO BAS.

SMOKE DETECTORS
FOR UNITS EQUIPPED WITH SMOKE DETECTORS (DUCT MOUNTED OR SPACE MOUNTED) THE SMOKE DETECTOR SHALL SHUT-DOWN THE UNIT UPON SMOKE DETECTOR ACTIVATION. IF REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, UPON SMOKE DETECTOR ACTIVATION ADDITIONAL UNITS SHALL SHUT-DOWN UPON A SIGNAL FROM EITHER THE OWNER ALARM SYSTEM OR BAS TO THE OEM CONTROLLER. THE OEM CONTROLLER SHALL CLOSE THE OUTSIDE AIR DAMPER TO THE 0% OPEN POSITION. SHUT-DOWN ALL STAGES OF COOLING OR HEATING AND TURN OFF THE SUPPLY FAN. OEM CONTROLLER SHALL OVERRIDE ALL OTHER SPACE CONDITION DEMANDS WHEN UNIT HAS RECEIVED A SMOKE DETECTOR ACTIVATION ALARM.

RTU PROTECTION
ALL EQUIPMENT SAFETY SEQUENCES, I.E. COMPRESSOR RESET, GAS BURNER RESET, ETC SHALL BE CONTROLLED BY THE OEM CONTROLLER.

ALARMS
THE RTU CONTROLLER SHALL COMMUNICATE ALL RTU ERROR CODES TO THE BAS.

RTU LOAD ALARM LIST

ERROR CODE	FROM OEM CONTROLLER TO BAS
4	SMOKE ALARM
5	AIR FLOW SWITCH
20	INPUT ERROR, PHASE LOSS OR VFD FAIL
74	ZONE SENSOR PROBLEM

COMMUNICATION DATA POINT LIST
THE RTU CONTROLLER AND BAS SHALL TRANSFER THE COMMUNICATION DATA POINTS BASED ON THE FOLLOWING SCHEDULE.

LENNOX BACnet COMMUNICATION DATA POINT LIST

FROM BAS TO RTU CONTROLLER - ANALOG OUTPUTS		
OBJECT ID	OBJECT NAME	UNITS
110	APPLICATION MODE CONTROL	NONE
112	OUTDOOR AIR MIN POS CONTROL	PERCENT
114	OCCUPANCY SCHEDULER CONTROL	NONE
116	SPACE DEHUMIDIFICATION SETPT	PERCENT
118	EMERGENCY OVERRIDE CONTROL	NONE
120	SET ECONOMIZER OUTDOOR AIR ENABLE	NONE
1.10	HEATING OCCUPIED SETPOINT	DEG F
1.11	COOLING OCCUPIED SETPOINT	DEG F
1.12	HEATING UNOCCUPIED SETPOINT	DEG F
1.13	COOLING UNOCCUPIED SETPOINT	DEG F
FROM RTU CONTROLLER TO BAS - ANALOG INPUTS		
OBJECT ID	OBJECT NAME	UNITS
232	UNIT STATUS	NONE
236	SPACE TEMPERATURE	DEG F
240	DISCHARGE AIR TEMPERATURE	DEG F
241	EFFECTIVE OCCUPANCY	NONE
243	LOCAL SPACE TEMPERATURE	DEG F
246	OUTDOOR AIR DAMPER	PERCENT
247	HEAT PRIMARY	PERCENT
247	COOL PRIMARY	PERCENT
248	ECONOMIZER ENABLED	PERCENT
250	SUPPLY FAN STATUS	PERCENT
252	SPACE TEMPERATURE SETPT (EFF)	DEG F
253	MOST RECENT ERROR 1	NONE
254	MOST RECENT ERROR 2	NONE
255	MOST RECENT ERROR 3	NONE
256	MOST RECENT ERROR 4	NONE
257	MOST RECENT ERROR 5	NONE
214	STAGE COOL SETPOINT (EFF)	DEG
215	SPACE HUMIDITY (EFF)	PERCENT
216	DEHUMIDIFICATION SETPT (EFF)	PERCENT
219	DEHUMIDIFICATION STATUS	NONE
261	RETURN AIR TEMPERATURE	DEG F

ECONOMIZER OPERATION (CONTROLLER WITH MINITERS AHUS COMMUNICATING TO CONTROLLER)
THE BAS SHALL SEND AN ECONOMIZER ENABLE SIGNAL TO THE OEM CONTROLLER WHEN BOTH OF FOLLOWING OUTSIDE AIR CONDITIONS ARE MET.

OUTSIDE DRY BULB TEMPERATURE = 5 DEG F AND < 68 DEG F
OUTSIDE DEWPOINT TEMPERATURE > 5 DEG DP AND < 48 DEG DP

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT AS-BUILT CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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BUILDING AUTOMATION SYSTEM

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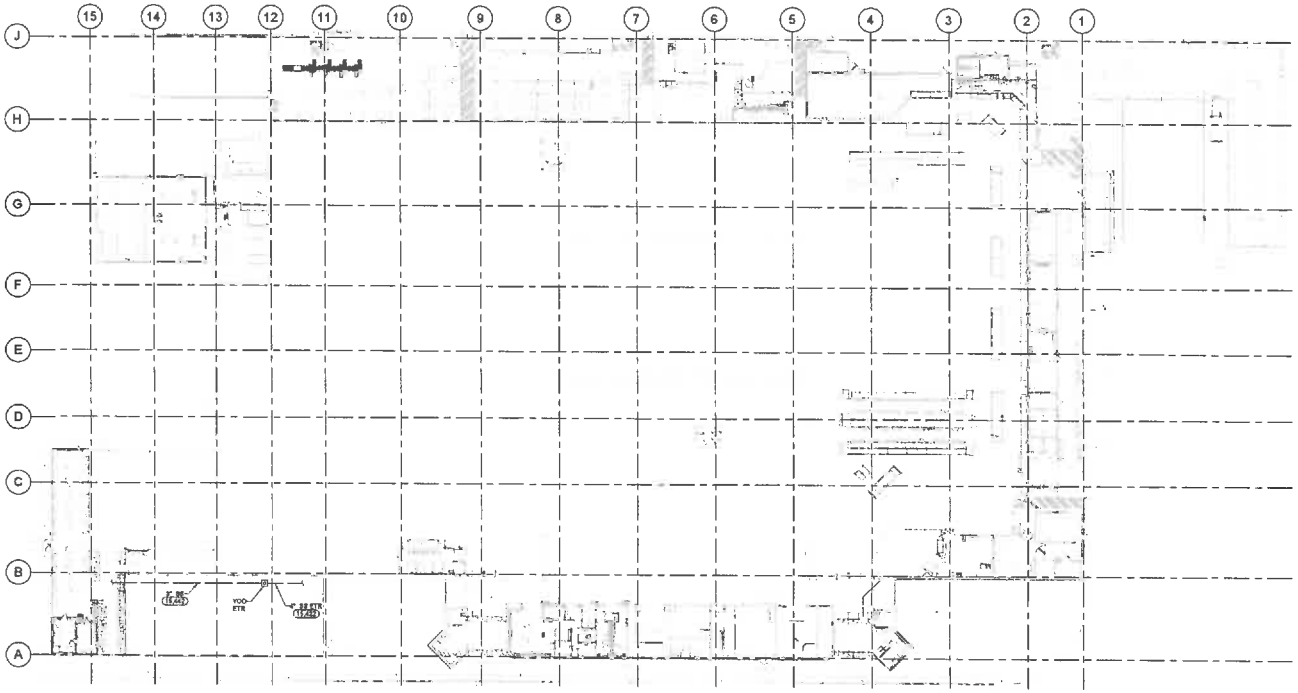
OGP-BAS2



1 OGP OVERALL PLUMBING PLAN
1" = 30'-0"

GENERAL NOTES

1. GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS AND READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURERS RECOMMENDATIONS.
3. STORE MUST BE KEPT IN OPERATION. ARRANGE ALL WORK TO KEEP DISRUPTIONS TO STORE OPERATIONS TO A MINIMUM. COORDINATE WITH EXISTING AND NEW CONSTRUCTION. PAY ALL NECESSARY FEES AND PERMITS.
4. IF NEW CONSTRUCTION DISRUPTS EXISTING UNDERGROUND SERVICES (GAS, SEWER, DOMESTIC WATER, FIRE SPRINKLER, ETC.), PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO MAINTAIN THEIR PROPER OPERATION.
5. CONTRACTOR IS RESPONSIBLE FOR UTILIZING OWNER APPROVED ROOFING CONTRACTORS FOR CUTTING AND PATCHING ROOF.
6. EXISTING PIPE SIZES AND LOCATIONS HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION AND SIZES OF ALL EXISTING PIPING THAT IS BEING CONNECTED TO OR MODIFIED, AND TO VERIFY THAT PROPER SLOPES AND ELEVATIONS ARE AVAILABLE. MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT FOR SAN SEWER PIPING 3" OR LARGER. MAINTAIN MINIMUM SLOPE OF 1/4" PER FOOT FOR SAN SEWER PIPING SMALLER THAN 3". REF ARCH. FOR TRENCHING REQUIREMENTS.
7. PLUMBING CONTRACTOR SHALL VERIFY EXISTING SEWER AND VENT PIPE SIZE AND ELEVATION AND SHALL VERIFY THAT PROPER SLOPES ARE AVAILABLE BEFORE CUTTING FLOOR SLAB FOR NEW SEWER PIPING.
8. PROVIDE ACCESS DOORS TO NEW WATER VALVES AND CLEANOUTS AS NECESSARY WHEN INSTALLED IN INACCESSIBLE AREAS.
9. PLUMBING CONTRACTOR SHALL PROVIDE ONE YEAR WARRANTY FOR PROPER SEWER SYSTEM OPERATION.
10. SANITARY DRAINAGE LINES AND FITTINGS (DRAIN, WASTE AND VENT) SHALL BE CAST IRON, COATED INSIDE AND OUTSIDE, WHERE PERMITTED BY LOCAL CODES. PVC-DWV PLASTIC SCHEDULE 40 MAY BE USED IN LIEU OF CAST IRON. ALL PHOTOLAB PLUMBING SHALL BE PVC.
11. WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD DRAWN COPPER JOINED WITH WROUGHT COPPER FITTINGS. MAKE JOINTS USING LEAD-FREE SOLDER AND A NON-CORROSIVE PASTE-TYPE FLUX. MAKE PIPING CONNECTIONS TO A FIXTURE WITH CHROME-PLATED SEAMLESS BRASS TUBE. INSULATE HOT & COLD WATER PIPING WITH FIBERGLASS FIBER A MINIMUM OF 1/2" THICK WITH WHITE ALL-SERVICE JACKET (VAPOR RETARDER).
12. PROVIDE AUTOMATIC TRAP PRIMERS ON FLOOR DRAINS IF REQUIRED BY LOCAL PLUMBING CODES.
13. ALL FLOOR CLEANOUTS SHALL BE INSTALLED FLUSH WITH FLOOR FINISH MATERIAL OR FLUSH WITH CONCRETE SLAB IF NO FLOOR FINISH MATERIAL IS CALLED OUT FOR ON ARCHITECTURAL DRAWINGS.
14. LOCATE ALL FLOOR CLEAN-OUTS OUT OF TRAFFIC WAYS, WHILE MAINTAINING ACCESSIBILITY. LOCATE PER DIMENSIONS IF SHOWN ON PLANS.
15. FLOOR CUTS SHALL BE STRAIGHT AND CLEAN. REPLACE REMOVED SLAB WITH CONCRETE FLUSH AND SMOOTH WITH ADJACENT FLOOR SLAB. REFERENCE ARCHITECTURAL SHEETS. COORDINATE WITH GENERAL CONTRACTOR.
16. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
17. CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION.
18. DO NOT INSTALL PIPING WITHIN COOLER PANELS. INSTALL EXPOSED PIPING IN PREP AREAS A MINIMUM OF 1" FROM PANEL WALL AND 6" ABOVE FINISHED FLOOR TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
19. PROVIDE escutcheon PLATES FOR PLUMBING PENETRATIONS THROUGH GROCERY CEILINGS AND WALLS.
20. PROVIDE AIR TIGHT SEAL AROUND PIPING PENETRATIONS THROUGH COOLER/FREEZER WALLS AND CEILINGS. FINISH WITH escutcheon PLATE.
21. PROVIDE HEAT TAPE AND INSULATION ON ALL WATER AND DRAIN PIPING EXPOSED TO FREEZING.
22. INSTALL CONTINUOUS SEALANT JOINT AT ALL EXTERIOR WALL PENETRATIONS.
23. AT CONTRACTOR'S OPTION (U.N.O), IN LIEU OF COPPER WATER PIPING, PEX OR AQUATHERM PIPING MAY BE USED. REFER TO EQUIVALENT NOMINAL PIPE SIZES SCHEDULE AND SPECIFICATIONS.
24. PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS, LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
25. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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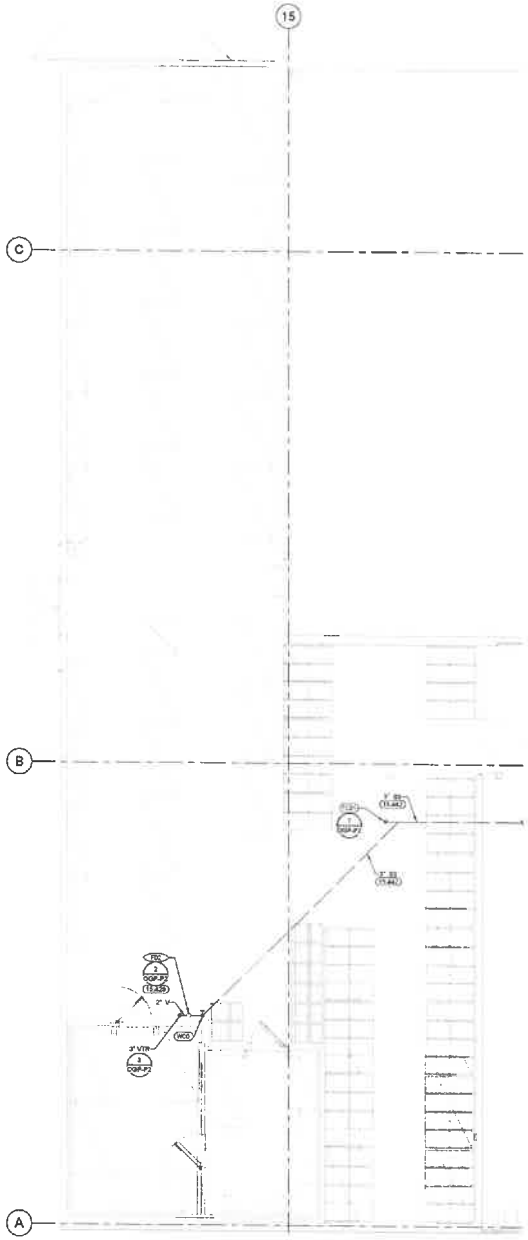
OVERALL PLUMBING PLAN

SHEET
OGP-P1

KEYNOTES

15.439	CUT AND PATCH EXISTING CONCRETE FLOOR SLAB FOR INSTALLATION OF NEW UNDERGROUND PLUMBING PIPE. MATCH EXISTING CONSTRUCTION AND FINISHES.
15.442	TRENCHING AND BACKFILL BY GC. REF ARCH PLANS. COORDINATE WITH GC FOR INSTALLATION SCHEDULE.



1 OGP EXPANSION PLUMBING PLAN
3/16" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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ENLARGED PLUMBING PLANS

SHEET
OGP-P1.1

FLOOR DRAIN SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION
FD			FOR DRAIN SAME AS SANITARY WASTE PIPING MATERIAL UNLESS NOTED OTHERWISE ON PLANS

CLEANOUT SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION
FCO1	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS GATEY	[illegible] 862 C1100 4231 58920 CO-200-RJ-4 74900	CAST IRON [illegible] BODY, ROUND ESTHETIC HEAVY DUTY CAST OR DUCTILE IRON TOP, POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.
WCO	ZURN SIOUX CHIEF MIFAB JAY R. SMITH JOSAM WATTS WADE	[illegible] 872 C1430<
4472T 58940 (58800) CO-460-RD 8540 (8480R)	THREADED [illegible] BRASS OR POLYPR[illegible] CLEANOUT PLUG, ETHANED DRILLED TAP FOR CENTER SCREW AND STAINLESS STEEL COVER FOR FINISHED AREAS.

GENERAL INFORMATION (AS APPLICABLE)
1. REFER TO PLANS FOR DRAIN OUTLET SIZE.
2. LOAD CLASSIFICATIONS: LIGHT DUTY =2000 LBS, MEDIUM DUTY 2000 TO 4000 LBS, HEAVY DUTY 5000 TO 7400 LBS, EXTRA HEAVY DUTY 7500 TO 9000 LBS.

SPECIALTY PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	FIXTURE DESCRIPTION
WPG	WATER PRESSURE GAUGE	AMETEK TRERICE (WEISS INSTRUMENT)	964 DFLF/SS LF [illegible]	2.5 INCH STAINLESS STEEL CASE, ALL WETTED PARTS STAINLESS STEEL. LIQUID FILLED, 1/4 INCH NPT CONNECTOR. 1.5% ACCURACY, 30" HG VAC TO 100 PSI RANGE.
WHA	WATER HAMMER ARRESTOR	JOSAM PRECISION PLUMBING PRODUCTS WATTS WILKINS JAY R. SMITH SIOUX CHIEF MIFAB	SERIES 75000 STAINLESS STEEL, 5014 SERIES SS SERIES MODEL 1250LU SERIES HYDROTROLE HYDRA-RESTER MWH	LEAD FREE CONFORM TO PDI WH-201, ANSI A112.26.1M, ASSE 1010.
FCV30	FLOW CONTROL VALVE	BELL & GOSSETT FLOW DESIGN	8 CB LF "CIRCUIT SETTER PLUS" IC35000	LEAD FREE NAMEPLATE AND 1/2" VALVE BODY SIZE UNLESS SHOWN OTHERWISE ON PLANS. SET AND BALANCE TO 0.25 GPM OR PROVIDE 0.25 GPM CARTRIDGE UNLESS SHOWN OTHERWISE ON PLANS AND PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
DCV	DOUBLE-CHECK VALVE BACKFLOW PREVENTER (STAINLESS STEEL)	WATTS	8000QT/T-S	ASSE 1015, 316 STAINLESS STEEL BODY, QUARTER TURN TEST COCKS, QUARTER TURN, FULL PORT BALL VALVES AND STAINLESS STEEL STRAINER.
--	CHECK VALVES	RED-WHITE APOLLO CRANE WATTS HIBCO	2S2 SERIES 91-100 119U 8 T-413	BRASS JACKET WITH PLASTIC VALVE ASSEMBLY
--	DOUBLE-CHECK VALVE BACKFLOW PREVENTER	WATTS BEECO FEBCO WILKINS	LF007QT OR LF708 FDC-LF LF860 350XL OR 9002LT2	LEAD FREE. INCLUDE TWO INDEPENDENT-ACTING CHECK VALVES. TWO SHUT-OFF VAWLES AND REQUIRED MEANS FOR TESTING FOR EACH ASSEMBLY. MINIMUM 175 PSI WORKING PRESSURE.
--	LOCKABLE SHUT OFF VALVES	RED-WHITE APOLLO CRANE WATTS	5042 SERIES 70LF-100 LF-7-355 LFB-6000 OR LFB-6001	BRASS BALL VALVES WITH PLASTIC JACKETED LEVER TYPE HANDLE.
--	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS BEECO FEBCO WILKINS	LF009QT OR LF909 FRP-LF LF880<
375XL OR 975XL	LEAD FREE. PROVIDE STRAINER, SHUT-OFF VALVES AND TEST COCKS. INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO RECEPTOR APPROVED BY AUTHORITY HAVING JURISDICTION. MINIMUM 175 PSI WORKING PRESSURE.
--	REDUCED PRESSURE BACKFLOW PREVENTER (STAINLESS STEEL)	WATTS	8800M3QT-S	LEAD FREE. STAINLESS STEEL REDUCED PRESSURE ZONE ASSEMBLY, FURNISHED WITH STAINLESS STEEL STRAINER, VANDAL RESISTANT TEST COCKS, AND FULL PORT QUARTER TURN BALL VALVE SHUTOFFS. INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO RECEPTOR APPROVED BY AUTHORITY HAVING JURISDICTION. MINIMUM 175 PSI WORKING PRESSURE.
--	STRAINER	WATTS APOLLO	LF777SI 80-004-06	CAST BRONZE Y-STRAINER WITH BALL VALVE
--	TRAP PRIMER (MULTIPLE TRAPS)	PRECISION PLUMBING PRODUCTS MIFAB JOSAM SIOUX CHIEF	PRIME-RITE OR OREGON #1 M-500-MPS 95300 SERIES 866	LEAD FREE, PROVIDE ALL BRONZE PRIMER VALVE WITH REMOVABLE OPERATING PARTS, INTEGRAL VACUUM BREAKER, GASKETED ACCESS COVER AND MULTIPLE TRAP CAPABILITY
--	TRAP PRIMER (SINGLE TRAP)	PRECISION PLUMBING PRODUCTS SIOUX CHIEF	PRIME-RITE OR OREGON #1 866	LEAD FREE, PROVIDE ALL BRONZE PRIMER VALVE WITH REMOVABLE OPERATING PARTS, INTEGRAL VACUUM BREAKER, AND GASKETED ACCESS COVER.
--	VACUUM RELIEF VALVE	WATTS	LFN36-M1	LEAD FREE BRASS BODY, CSA/ANSI Z21.22
--	VALVES	RED-WHITE APOLLO CRANE WATTS HIBCO	90AA8 OR 68A8AB SERIES 70 LF LF6710 SERIES LFFBV-3C OR LFFBVS-3C FP-600-A-LF	LEAD FREE FULL PORT BRASS BALL VALVE WITH PLASTIC JACKETED LEVER TYPE HANDLE.

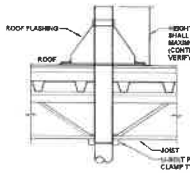
GENERAL INFORMATION
1. THIS SCHEDULE IS COMPREHENSIVE. ALL MARKS MAY OR MAY NOT BE USED.

PLUMBING SYMBOLS

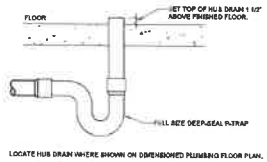
SS	SANITARY SEWER
GW	GREASE WASTE
OW	OIL WASTE
ST	STORM SEWER
RD	ROOF DRAIN LINE
ORD	OVERFLOW ROOF DRAIN LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
IW	IRRIGATION WATER
T	TEPID OR TEMPERED WATER
F	FILTERED WATER
G	NATURAL GAS
A	COMPRESSED AIR
CD	CONDENSATE DRAIN
RO	REVERSE OSMOSIS WATER
V	PLUMBING VENT
VAC	PLUMBING VACUUM
	UNION
	GAS PRESSURE REGULATOR
	GAS COCK
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
	TEE - TURNED DOWN
	TEE - TURNED UP
	BALL VALVE
	FLOW CONTROL VALVE
	PLUG VALVE
	CHECK VALVE
	SHUT-OFF VALVE IN VERTICAL LINE
	BACKFLOW PREVENTER
M	WATER METER
WHA	WATER HAMMER ARRESTOR
	THERMOMETER
	T & P RELIEF VALVE
TMV	THERMOSTATIC MIXING VALVE
FD	FLOOR DRAIN
RD	ROOF DRAIN/OVERFLOW ROOF DRAIN
FS	FLOOR SINK
FCO	FLOOR CLEANOUT
YCO	YARD CLEANOUT
FPH	FREEZE PROOF WALL HYDRANT
HB	HOSE BIBB
WCO	WALL CLEANOUT
	CONNECT TO EXISTING
ETR	EXISTING TO REMAIN
	DEMO PIPE
	AREA OF SLAB CUT
VBF	VENT BELOW FLOOR

OUTSIDE NOMINAL PIPE SIZES			
PLAN SIZE (COPPER)	POLYPROPYLENE HOT WATER	POLYPROPYLENE COLD WATER	PEX
1/2"	1/2"	1/2"	1/2"
3/4"	3/4"	3/4"	
1"	1"	1"	1/4"
1 1/4"	1 1/2"	1 1/4"	1 1/2"
1 1/2"	2"	1 1/2"	
2"	2 1/2"	2"	N/A
2 1/2"	3"	2 1/2"	N/A
3"	3 1/2"	3"	N/A
4"	4"	4"	N/A

NOTE: REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

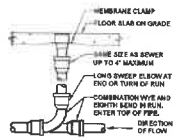


3 VENT THRU ROOF (VTR)
NTS



LOCATE HUB DRAIN WHERE SHOWN ON DIMENSIONED PLUMBING FLOOR PLAN.

2 HUB DRAIN
NTS



1 FLOOR CLEANOUT
NTS

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JOSE I. DIAZ-VELASQUEZ
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No. 76474
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PROFESSIONAL ENGINEER
11/22/21

PLUMBING DETAILS AND SCHEDULES

SHEET
OGP-P2

SYSTEM RCU3 DISCHARGE AIR TEMPERATURE AND DEFROST PARAMETERS

Updated: 11/12/2021

CIRCUIT #	APPLICATION	MODEL NUMBER	MFR	EQUIP. NUMBER	DISCHARGE AIR TEMP SETTING FOR CASES/ RETURN AIR TEMP SETTING FOR WALK-IN BOXES: MANUFACTURER'S TARGET (°F)	OWNER'S OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	STARTING SUPERHEAT SETPOINT (°F)	DEFROST: DEFROST TYPE	FREQUENCY PER DAY	PUMP OUT TIME (MIN)	MAX DURATION (MIN)	TERMINATION TEMP (°F)	DRIP TIME (MIN)	DEFROST SCHEDULE: Defrost 1	Defrost 2	Defrost 3	Defrost 4	Defrost 5	Defrost 6
RCU3	[illegible]	[illegible]	BOHN	-	34	36	--	10	EL	ON DEMAND		45	50	3						

1. Parameters above are to be used in [illegible] manufacturer consultant only.
2. Temperature control via pressure controller inside the remote [illegible].
3. Contractor to verify information against latest submittals available at time construction are delivered.
4. [illegible] setpoint adjust values are per manufacturer's published case data. Field adjustment may be required.
5. Contents of schedule contains information extracted from Owner's record schedule, manufacturer submittals, datasheets, and Owner's design parameters at the time the schedule was prepared. Field verify as it may not reflect existing conditions.
6. Controller is REZ.

SYSTEM RCU4 DISCHARGE AIR TEMPERATURE AND DEFROST PARAMETERS

Updated: 11/12/2021

CIRCUIT #	APPLICATION	MODEL NUMBER	MFR	EQUIP. NUMBER	DISCHARGE AIR TEMP SETTING FOR CASES/ RETURN AIR TEMP SETTING FOR WALK-IN BOXES: MANUFACTURER'S TARGET (°F)	OWNER'S OPERATING SETPOINT (°F)	DUAL TEMP TARGET (°F)	STARTING SUPERHEAT SETPOINT (°F)	DEFROST: DEFROST TYPE	FREQUENCY PER DAY	PUMP OUT TIME (MIN)	MAX DURATION (MIN)	TERMINATION TEMP (°F)	DRIP TIME (MIN)	DEFROST SCHEDULE: Defrost 1	Defrost 2	Defrost 3	Defrost 4	Defrost 5	Defrost 6
RCU4	[illegible]	BSLR75C3H5EA	BOHN	-	+10	+10	--	10	EL	ON DEMAND	-	45	50	3						

1. Parameters above are to be used in [illegible] manufacturer consultant only.
2. Temperature control via pressure controller inside the remote [illegible].
3. Contractor to verify information against latest submittals available at time construction are delivered.
4. [illegible] setpoint adjust values are per manufacturer's published case data. Field adjustment may be required.
5. Contents of schedule contains information derived from Owner's record schedule, manufacturer submittals, datasheets, and Owner's design parameters at the time the schedule was prepared. Field verify as it may not reflect existing conditions.
6. Controller is REZ.

LEAK DETECTION SYMBOLS

CSA	AUDIO/VISUAL ALARM
HIS	HORN AND STROBE INDICATOR
LDP	LEAK DETECTION PANEL
L	LEAK DETECTION SENSOR
ZA	ZONE ALARM SILENCE PANEL

BAS EQUIPMENT SALVAGE REQUIREMENTS

Revision 27.1R

ALL DEMOLISHED NOVAR BAS EQUIPMENT SHALL BE RETURNED TO OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER. EQUIPMENT TO BE RETURNED INCLUDES: EXECUTIVE CONTROLLE R(S), SCM(S), CIM(S), CC M(S), ETC. PROVIDE DOCUMENTATION FOR ALL EQUIPMENT REMOVED IN ACCORDANCE WITH SPECIFICATIONS AND REQUIRED CLOSE-OUT DOCUMENTS.

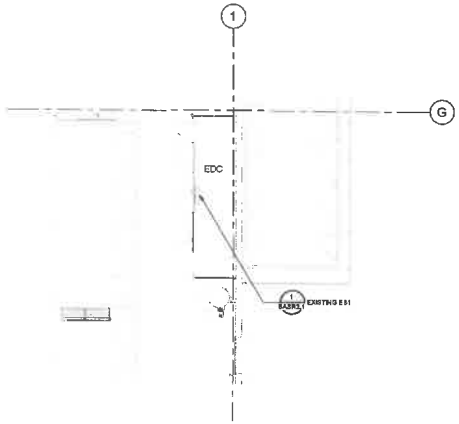
GENERAL REFRIGERATION BAS NOTES

1. BAS CONTRACTOR SHALL CONTACT THE BAS SUPPLIER(S) TO OBTAIN A CURRENT MODULE CONFIGURATION PRINTOUT BEFORE TERMINATING SENSOR LEADS AT INPUT MODULES. THE REQUEST FOR THE CONFIGURATION PRINTOUT SHALL BE MADE PRIOR TO THE INSTALLATION OF BAS CABLES. WIRING TERMINATIONS SHALL BE LANDED ACCORDING TO THE BAS SUPPLIER CONFIGURATION SHEETS.
2. BAS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE BAS SUPPLIER AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT STARTUP. BAS INSTALLER SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER FOR SPOT CHECKING OF SENSORS FOR ACCURACY.
3. ALL BAS CABLE ON THE SALES FLOOR SHALL BE ROUTED IN CONDUIT AND CONCEALED FROM VIEW AND ROUTED ALONGSIDE OTHER PIPING OR CONDUIT AS MUCH AS POSSIBLE.
4. BAS CONTRACTOR SHALL BE PRESENT AND AVAILABLE TO RESOLVE ISSUES AND PROVIDE REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE BAS SUPPLIER AND OWNER'S REFRIGERATION CONSTRUCTION COORDINATOR.
5. DURING THE REFRIGERATION STARTUP, BAS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION WORK PRIOR TO WORKING ON OTHER BAS INSTALLATION ITEMS.
6. WHEN THE BAS SUPPLIER IS NOT SCHEDULED TO PERFORM THE ON SITE REFRIGERATION STARTUP, THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL CHECKS AND TEST TO ENSURE A FULLY FUNCTIONAL REFRIGERATION CONTROL SYSTEM. CONTACT THE BAS SUPPLIER FOR THE BLANK TEST VERIFICATION FORMS AND INSTRUCTIONS FOR COMPLETING. ALL COMPLETED TEST VERIFICATION FORMS SHALL BE RETURNED TO THE OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER.
7. REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS.
8. ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
   A. SURFACE MOUNT UTILITIES WITH NON-CORRODING ANCHORS. SEAL BOTH SIDES OF PIPE/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
   B. INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING. USE ONLY NON-CORRODING MATERIALS FOR SPACERS AND ANCHORS.
   C. COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL SHIM PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS, APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.
9. REFERENCE ARCHITECTURAL DEMOLITION PLANS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.
10. 24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR BUILDING AUTOMATION CONTROL SYSTEMS, SEND EMAIL TO NBR@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO NBR@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.
11. ALL WORK ON THIS SHEET IS TO BE COMPLETED BY AN OWNER'S APPROVED CONTRACTOR.

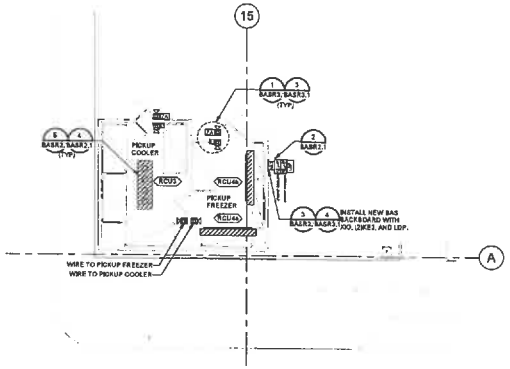
BAS SYMBOLS

Rev.# 22.2R

ES1	NOVAR EDGE SERVER GATEWAY
E2E	EMERSON EX3000 GATEWAY
RC3-XE	NOVAR SPECTRUM RACK CONTROLLER
XCM.36R	NOVAR OPUS RACK CONTROLLER
BAS	BUILDING AUTOMATION SYSTEM
TEMP	TEMPERATURE
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER
COMM	COMMUNICATION PORT/MODULE
CIM	CASE INPUT MODULE
1 TY-A	REFRIGERATION CIRCUIT
S	REMOTE TEMPERATURE SENSOR
D	DEFROST TERMINATION SENSOR
DTS	DUAL TEMP SWITCH
RIB	RELAY IN BOX
NCC	NOVAR CIRCUIT CONTROLLER
CMS	CASE MANAGEMENT SYSTEM MODULE
ACM	ANALOG OUTPUT MODULE
UIM	UNIVERSAL INPUT MODULE
RIM	RACK INPUT MODULE
E3C	SPORLAN WALK-IN CONTROLLER
E3C	SPORLAN CASE CONTROLLER
SGR	SPORLAN GATEWAY ROUTER
SNS	SPORLAN NETWORK SWITCH
	BAS BACKBOARD
BALS	SWING ARM LIMIT SWITCH
XIO	SACHET INPUT/OUTPUT MODULE
	NEW FIELD INSTALLED EQUIPMENT
	EXISTING EQUIPMENT
	NEW FACTORY INSTALLED EQUIPMENT
	EQUIPMENT TO BE DEMOLISHED



2 REFRIGERATION PICKUP EDC BUILDING AUTOMATION SYSTEM PLAN
1/8" = 1'-0"



1 PICK-UP REFRIGERATION BUILDING AUTOMATION SYSTEM PLAN
1/8" = 1'-0"

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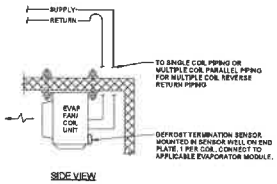
DIGITAL SIGNATURE
EDWARD A. RAMOS
No. 60068
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/22/2021

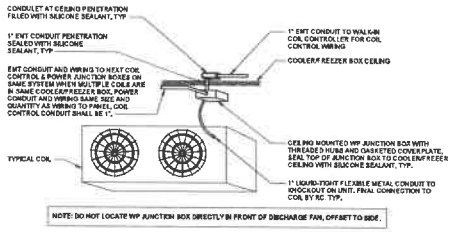
PICKUP REFRIGERATION BUILDING AUTOMATION SYSTEM PLAN

SHEET:
BASR1.1



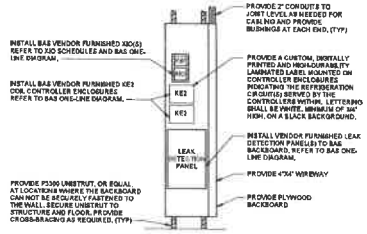
5 WALK-IN EVAPORATOR DEFROST TERMINATION SENSOR

NTS 03.01.19



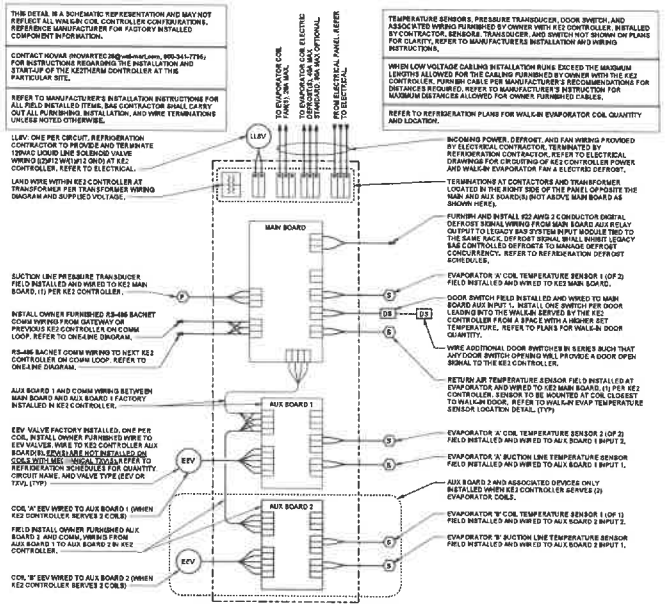
4 EVAPORATOR COIL SENSOR WIRING PROVISIONS

NTS 03.01.19



3 PICKUP LDP BAS BACKBOARD

NTS 03.01.19

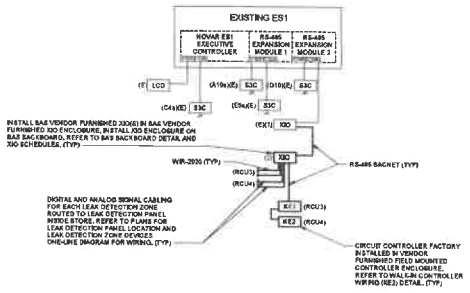


2 WALK-IN CONTROLLER WIRING (KE2)

NTS 03.13.20

KE2-BLIB 2 SCHEDULE (H)		
U1A1	RCU1 LEAK	(R-SUP)
U2A2	RCU1 LEAK	(R-RET)
U3A3	RCU4 LEAK	(R-SUP)
U4A4	RCU4 LEAK	(R-RET)
U5A5	WP-ERR	
U6A6	WP-ERR	
U7A7	WP-ERR	
U8A8	WP-ERR	

NEW BAS BACKBOARD (OUTSIDE PICKUP)



1 REFRIGERATION BAS ONE-LINE DIAGRAM

NTS

BAS ONE-LINE AND SCHEDULE NOTES	
E	EXISTING BAS DEVICE, SENSOR, OR WIRE FOR REUSE.
RL	EXISTING BAS DEVICE OR SENSOR TO RELOCATE AND RECONNECT. INSTALL NEW CABLE FOR RELOCATED DEVICE OR SENSOR AS NECESSARY.
RD	REDESIGNATED BAS DEVICE OR SENSOR.
RP	REPLACED BAS DEVICE OR SENSOR.
N	NEW BAS DEVICE OR SENSOR.
FI	NEW FIELD INSTALLED BAS DEVICE, SENSOR, OR WIRE.
FA	NEW FACTORY INSTALLED BAS DEVICE, SENSOR, OR WIRE.
M	BAS DEVICE OR SENSOR USED FOR MONITORING ONLY.
DI	DIGITAL INPUT.
DO	DIGITAL OUTPUT.
AI	ANALOG INPUT.

ES-1	
	COMMUNICATION PORT
COM1	LCD (IF APPLICABLE) / BACNET LOOP
COM2	SPECTRUM (NOVARmb) / BACNET LOOP

COM MODULE 1	
	COMMUNICATION PORT
COM3	SPECTRUM (NOVARmb) / BACNET LOOP
COM4	SPECTRUM (NOVARmb) / BACNET LOOP

COM MODULE 2	
	COMMUNICATION PORT
COM5	SPECTRUM (NOVARmb) / BACNET LOOP
COM6	SPECTRUM (NOVARmb) / BACNET LOOP

UNLESS NOTED OTHERWISE, DEVICES SHOWN IN THIS ONE-LINE DIAGRAM ARE VENDOR FURNISHED: BUILDING AUTOMATION SYSTEM CONTRACTOR TO INSTALL CABLING AND DEVICES AND MAKE FINAL TERMINATIONS. REFER TO PLANS FOR DEVICE LOCATIONS.

COORDINATE WITH LEGACY BAS VENDOR (NOVAR) FOR THE REPROGRAMMING OF THEIR RACK CONTROLLER WITH THE REMOVAL OF REFRIGERATION CIRCUITS FROM THEIR CONTROL. VERIFY DEFROST SCHEDULES ARE COORDINATED BETWEEN THE EXISTING RACK CONTROLLER AND THE NEW CASE AND WALK-IN CONTROLS.

WIRE LEGEND	NOTES
WR-1010 : TAN CABLE 18-2, 20-2 TWISTED PAIR.	
WR-2020 : BLUE CABLE 22-2 TWISTED PAIR.	
NOTES:	
1. ALL CABLE WR-2020 UNLESS NOTED OTHERWISE.	
2. ALL CABLE FURNISHED AND INSTALLED BY BAS CONTRACTOR	

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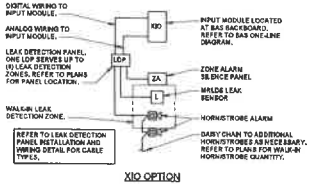
PROFESSIONAL ENGINEER

11/22/2021

PICKUP REFRIGERATION BUILDING AUTOMATION SYSTEM DETAILS

SHEET:
BASR2.1

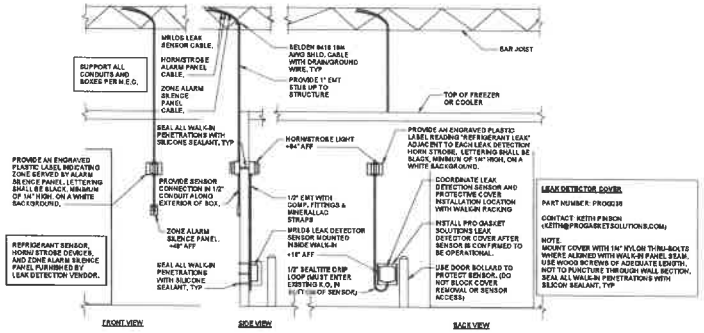


XIO OPTION

4 LEAK DETECTION ZONE DEVICES ONE-LINE DIAGRAM

NTS

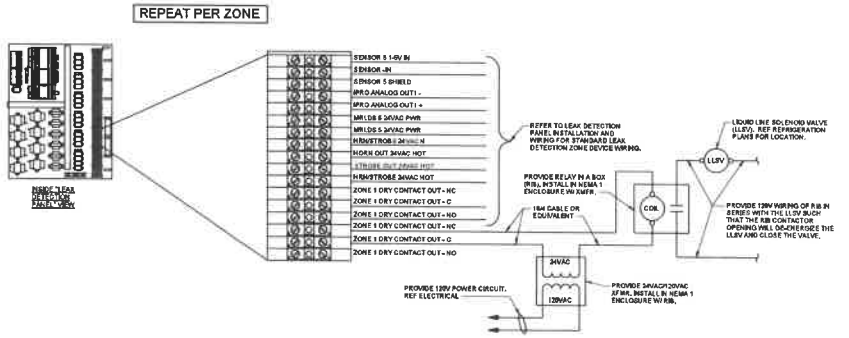
03.01.19



3 COOLER/FREEZER LEAK DETECTION DEVICE MOUNTING

NTS

03.01.19



2 LEAK DETECTION PANEL CONDENSING UNIT ZONE WIRING

NTS

LEAK ALARM AND CONTROL SEQUENCE OF OPERATIONS

REFRIGERANT LEAK CONTROL SEQUENCE OF OPERATION FOR COOLERS AND FREEZERS

THE LEAK DETECTION CONTROL MODULES, UPON REGISTERING A CONCENTRATION THAT IS: ONE-HALF OF THE IDLH OR AT THE OEL; WHICHEVER IS LESS, SHALL
1. ACTIVATE VISUAL AND AUDIBLE ALARMS FOR THE ZONE INDICATING THE LEAK
2. ENABLE AN AUTOMATIC SHUTDOWN OF THE LLSV TO ISOLATE THE REFRIGERANT FLOW IN THE CIRCUIT IN ALARM.

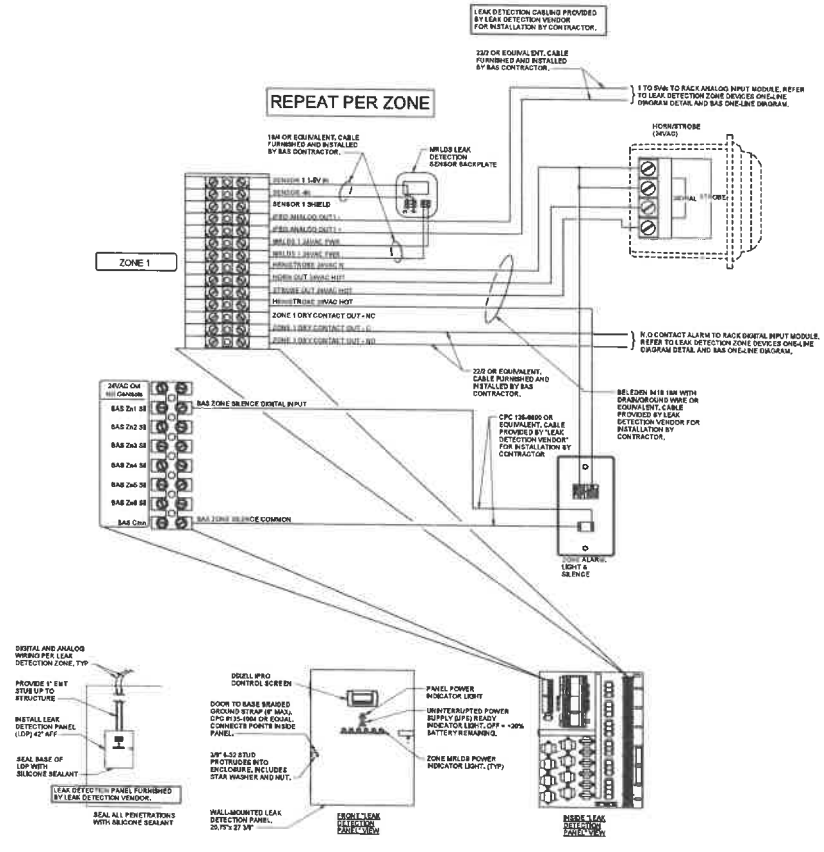
THE LEAK DETECTION CONTROL MODULE, UPON REGISTRATION A CONCENTRATION THAT IS AT VAPOR DETECTOR'S UPPER DETECTION LIMIT OR UPON ACTIVATION OF THE BREAK GLASS SWITCH, SHALL ALSO 1. AUTOMATICALLY SHUT OFF REFRIGERANT COMPRESSORS, REFRIGERANT PUMPS, AND NORMALLY CLOSED, AUTOMATIC REFRIGERANT VALVES LOCATED IN MACHINE ROOM.

AUDIBLE / VISUAL DEVICES INSIDE COOLERS AND FREEZERS SHALL BE INSTALLED IN WEATHERPROOF JUNCTION BOXES. REFERENCE LEAK DETECTOR INSTALLATION DETAIL.

AUDIBLE / VISUAL DEVICES SHALL ANNUNCIATE AT A SOUND PRESSURE LEVE THAT IS A MINIMUM OF 15 DBA ABOVE THE AMBIENT NOISE LEVEL.

LEGEND

OEL	OCCUPATIONAL EXPOSURE LIMIT	TWA	TIME WEIGHTED AVERAGE	LLSV	LIQUID LINE SOLENOID VALVE
IDLH	IMMEDIATELY DANGEROUS TO LIFE OR HEALTH	SPL	SOUND PRESSURE LEVEL	EPR	EVAPORATOR PRESSURE REGULATOR



1 LEAK DETECTION PANEL INSTALLATION AND WIRING DETAIL

NTS

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PICKUP REFRIGERATION BUILDING AUTOMATION SYSTEM LEAK DETECTION DETAILS

SHEET:
BASR3.1

PIPING SCHEDULE SYSTEM RCU3

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH**
RCU3	1 1/8	7/8	1/8	88

* RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR [illegible] ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER, IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

** ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

11/22/2021

NOTE: CONTENTS OF SCHEDULE CONTAINS INFORMATION DERIVED FROM OWNER'S RECORD SCHEDULES, MANUFACTURER SUBMITTALS, CUTSHEETS, AND OWNER'S PARAMETERS AT THE TIME THE SCHEDULE WAS PREPARED. FIELD VERIFY IT MAY NOT REFLECT EXISTING CONDITIONS.

PIPING SCHEDULE SYSTEM RCU4

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH**
RCU4	1 5/8	1 1/8	5/8	86
RCU4a	1 5/8	1 1/8	1/8	11
RCU4b	1 5/8	1 1/8	1/8	23

* RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR [illegible] ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER, IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

** ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

11/1/2021

NOTE: CONTENTS OF SCHEDULE CONTAINS INFORMATION DERIVED FROM OWNER'S RECORD SCHEDULES, MANUFACTURER SUBMITTALS, CUTSHEETS, AND OWNER'S PARAMETERS AT THE TIME THE SCHEDULE WAS PREPARED. FIELD VERIFY IT MAY NOT REFLECT EXISTING CONDITIONS.

CONDENSING UNIT GENERAL NOTES

1. INSTALL CONDENSING UNIT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INSTALLATION REQUIREMENTS AND ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL INSTALL CONDENSING UNIT MANUFACTURER FURNISHED LIQUID LINE SOLENOID VALVE, CONTROLLED VIA FIELD INSTALLED WALK-IN CIRCUIT CONTROLLER, (LOCATED AT WALK-IN)

EPA CLEAN AIR ACT

COMPLY WITH EPA CLEAN AIR ACT, TITLE VI, SECTION 608 AND CODE OF FEDERAL REGULATION TITLE 40, PART 82 WHEN ADDING OR REMOVING REFRIGERATED EQUIPMENT, RECORD ALL EQUIPMENT IDENTIFICATION NUMBERS, MODEL AND SERIAL NUMBERS, THE AMOUNT OF REFRIGERANT RECOVERED FROM EACH UNIT, THE DATE OF DECOMMISSIONING, COMPANY NAME AND SIGNATURE OF ON-SITE SUPERVISOR.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS, OR BUILDING AUTOMATION CONTROL SYSTEMS, SEND EMAIL TO NEWMAN@WALMART.COM, THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE DOWN. THEN SEND A FOLLOW UP E-MAIL TO NEWMAN@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL NEW CASES BEING INSTALLED FOR CONNECTION LOCATION OF UTILITIES. (TOP FED VS. BOTTOM FED)

SEPARATE CONTRACTOR IS RESPONSIBLE FOR RE-SIGN OF EXISTING REFRIGERATED CASES TO REMAIN.

ALL WORK ON THIS SHEET IS TO BE COMPLETED BY AN OWNER'S APPROVED CONTRACTOR.

REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR ALL FINAL REFRIGERATION ELECTRICAL TERMINATIONS TO REFRIGERATION EQUIPMENT.

VERIFY EXACT LOCATION OF ALL REFRIGERATED CASES WITH FINAL MERCHANDISE PLAN.

COORDINATE LOCATION OF REFRIGERATED CASES WITH PLUMBING CONTRACTOR PRIOR TO CUTTING OF FLOOR AND SETTING DRAINS.

ALL EXISTING REFRIGERATED CASES ARE TO REMAIN UNLESS NOTED OTHERWISE.

REMOVE EXISTING REFRIGERATION EQUIPMENT NOTED FOR DEMO OR REPLACEMENT, INCLUDING (BUT NOT LIMITED TO) REFRIGERATED CASES, WALK-IN COILS, ASSOCIATED VALVES, REFRIGERATION AND CONDENSATE PIPING, HANGERS AND SUPPORTS, AND CONTROLS NOT BEING REUSED. COORDINATE DISPOSAL OF EQUIPMENT WITH CONSTRUCTION MANAGER. PATCH PENETRATIONS TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS.

PRIOR TO INSTALLING ANY EQUIPMENT OR ADJUSTING RACK PARAMETERS, OWNER'S CONSTRUCTION MANAGER SHALL REQUEST A SUCTION GROUP REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. REQUEST VIA EMAIL AT SUPTEAM1@WAL-MART.COM

PIPING AND REFRIGERATION SCHEDULE SYMBOLS

*	MODIFY CIRCUIT OR PIPE LENGTH
**	NEW CASE, COIL, CIRCUIT OR VALVE
***	CHANGE EXISTING PIPE SIZE AS INDICATED OR NEW PIPE
*	RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND IS TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF THE RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.
#	CONTRACTOR TO FIELD VERIFY EXISTING RISER SIZE. IF EXISTING PIPE SIZE DOES NOT MATCH SCHEDULE, REPLACE EXISTING RISER WITH NEW SIZE AS SHOWN.

KEYNOTES

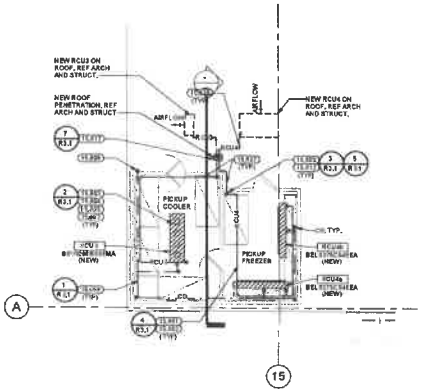
15.001	SLOPE REFRIGERANT LINES BACK TO COMPRESSORS AT 1" PER 20' OF RUN. LOCATE HIGHEST POINT OF REFRIGERATION LINES JUST BELOW BOTTOM CHORD OF JOIST OR BEAM. COORDINATE ELEVATION TO AVOID CONFLICTS WITH DUCTWORK, LIGHTING, SKYLIGHTS, ETC.
15.002	SUPPORT HORIZONTAL RUNS OF REFRIGERANT LINES ON 1-5/8" X 1-5/8" UNISTRUT CHANNELS ON MAXIMUM OF 8 FOOT CENTERS.
15.003	AT ALL POINTS WHERE SUCTION LINES RISE, PROVIDE A SUCTION LINE TRAP AT THE BASE OF THE RISER.
15.004	PROVIDE AIRTIGHT SEAL AROUND ALL PIPING AND BOLT PENETRATIONS THROUGH COOLER/FREEZER BOX WALLS OR CEILINGS.
15.005	SUPPORT EVAPORATORS WITH BOLTS THROUGH ROOF TO 1-5/8" X 1-5/8" X 10" LONG 16 GA. GALVANIZED UNISTRUT SPANNING THREE ROOF PANELS. PROVIDE DOUBLE NUTS ON EACH BOLT.
15.006	CONDENSATE DRAIN, PITCH DRAIN LINES DOWN APPROXIMATELY 1" PER 10' TOWARD DRAIN. PROVIDE COPPER PIPING WITH ELECTRIC HEAT TAPE AND INSULATION ON ALL CONDENSATE LINES EXPOSED TO FREEZING TEMPERATURES.
15.007	SEE SCHEDULES FOR EVAPORATOR TYPES SIZES, AND CAPACITIES, CONTROL METHOD, AND ALL REFRIGERATION PIPING SIZES, ETC.
15.008	END CONDENSATE LINE OVER RECEPTOR WITH GAP. CONTRACTOR SHALL ENSURE FLOOR DRAIN(S) AND DRAIN (INLES) SERVING WALK-IN ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER.
15.010	PROVIDE 0.020" PVC JACKET ON ALL REFRIGERATION LINES EXTERIOR TO BUILDING.
15.012	PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SUCTION LINE RISE WHICH EXCEEDS 16 FEET.
15.017	COORDINATE REFRIGERATION UNIT PENETRATIONS THROUGH ROOF. REINFORCE ROOF STRUCTURE AS NECESSARY. CUT ROOF OPENING FOR THE REFRIGERATION PIPE PENETRATION AND SUPPLY ROOF CURB WITH WEATHERTIGHT SHEETMETAL COVER. PROPERLY FLASH, PATCH, AND REPAIR ROOF AS REQUIRED FOR NEW PENETRATION. COORDINATE EXACT SIZE AND LOCATION OF ROOF PENETRATIONS WITH STRUCTURAL DRAWINGS.
15.037	REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION MANUFACTURER-FURNISHED LIQUID LINE SOLENOID VALVE IN A SERVICE ACCESSIBLE LOCATION AT CASE/EVAPORATOR. INSTALL CONTROL WIRING FROM SOLENOID VALVE BACK TO CIRCUIT CONTROLLER OR CONDENSING UNIT. REFER TO REFRIGERATION SUBMITTALS/SCHEDULES AND BAR PLANS FOR EXACT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ASSET TAGGING REQUIREMENTS.

REFRIGERATION SYMBOLS

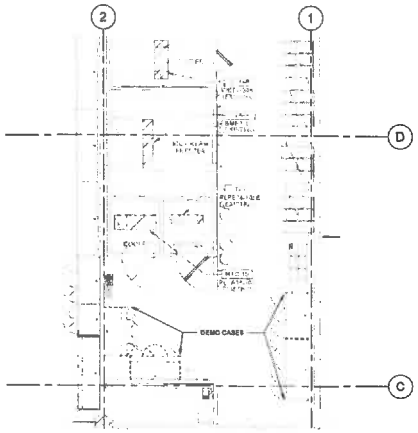
XXX / XXX	CIRCUIT NUMBER / MODEL NUMBER (CIRCUIT INFO)
CO/I-	CLEANOUT (CO)
CD	CONDENSATE DRAIN LINE (CD)
	CONNECT TO EXISTING
	CONTINUATION
A / XX	DETAIL NUMBER / SHEET NUMBER (DETAIL REFERENCE)
	EVAPORATOR COIL
	ISOLATION VALVE
	ELBOW - TURNED DOWN
	ELBOW - TURNED UP
XX.XXX	REFRIGERATION KEYNOTE REFERENCE
	REFRIGERATION PIPING (ABOVE)
	REFRIGERATION PIPING (BELOW)
	REFRIG PIPING CASE CONNECTION
ETR	EXISTING TO REMAIN
(TYP)	TYPICAL

GENERAL NOTES

1. PLAN INDICATES GENERAL ROUTING OF REFRIGERANT LINES WITH A SINGLE LINE SHOWN INDICATING BOTH SUCTION AND LIQUID LINE ROUTING FOR EACH SYSTEM.
2. REFRIGERATION SYSTEM INSTALLATION SHALL BE IN COMPLETE CONFORMANCE WITH SPECIFICATIONS AND WITH ALL REQUIREMENTS OF REFRIGERATION EQUIPMENT MANUFACTURER.
3. REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDERS AND TO INDICATE DESIRED ROUTING OF REFRIGERATION LINES. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM.
4. REFER TO SPECIFICATION 15895 FOR INSULATION THICKNESS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
5. PIPE INSULATION SHALL BE BLACK REGARDLESS OF EXISTING INSULATION COLOR.
6. COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
7. REFRIGERATION SYSTEM SHALL REMAIN OPERATIONAL DURING REMODELING. DURING THE PHASING OF OLD TO NEW SYSTEMS, BOTH NEW AND OLD REFRIGERATION SYSTEMS MAY BE REQUIRED TO OPERATE AT THE SAME TIME FOR A SHORT PERIOD.
8. WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION REMOVAL AND TEMPORARY STORAGE OF OLD EQUIPMENT PER OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.
9. COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS WITH OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER.
10. REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/FREEZERS BEING REMOVED FROM SITE. COORDINATE WITH WALK-IN PANEL VENDOR FOR TIME LINE OF REPLACEMENT. REFERENCE SPECIFICATION FOR CONTACT INFORMATION.
11. WALK-IN PANEL VENDOR SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS, GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.
12. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
13. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES.
14. COORDINATE WITH EMS CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES EMS WIRING AND DEVICES.
15. EXISTING REFRIGERATION PIPING MAY BE REUSED UNLESS OTHERWISE NOTED ON PLANS. REFER TO SCHEDULES FOR PIPE SIZE REQUIREMENTS.
16. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
17. IF ANY RACK SYSTEMS WILL BE OPENED TO ADD OR REPLACE CASES, EVAPORATORS, ETC. THEN 24 TO 48 HOURS AFTER THE WORK IS COMPLETED AND ALL FINAL ADJUSTMENTS HAVE BEEN MADE, PROVIDE AND CHANGE LIQUID LINE FILTER CORES, OR SYSTEM FILTER USING SPORLAN OF STYLE FILTER AND REPLACE SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15895.
18. REFER TO GROCERY ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.
19. INSTALL ASSET TAGS ON ALL NEW REFRIGERATED CASES AND COMPLETE THE DATA COLLECTION INFORMATION. DELETE DEMOED ASSETS FROM ASSET TRACKING APPLICATION. REFER TO SPECIFICATIONS.
20. UPON START-UP OF ALL NEW REFRIGERATED EQUIPMENT, REFRIGERATION CONTRACTOR SHALL REQUEST THE BUILDING PERFORMANCE REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. ANY DEVIATIONS NOTED ON THE REPORT MUST BE CORRECTED PRIOR TO PROJECT CLOSE OUT. REQUEST VIA EMAIL AT SUPTEAM1@WAL-MART.COM



1 NEW PICKUP REFRIGERATION PLAN
1/8" = 1'-0"



2 DEMOLITION PICKUP REFRIGERATION PLAN
1/8" = 1'-0"

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CARE FULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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863.687.8000
TBL 9813 EB0000187 AR0000187

Walmart
LAKE CITY, FL
2767 W US Highway 90
STORE NO 00795
JOB NUMBER: 218445 PROTO: 188-PROTO-SC
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PROTO CYCLE	08/24/21
DOCUMENT DATE:	11/22/21

STATE OF FLORIDA
No. 60908
PROFESSIONAL ENGINEER

11/22/2021

PICKUP REFRIGERATION PLANS

SHEET
R1.1

REFRIGERATION SCHEDULE SYSTEM RCU3

Format	-	Store #	767	System Type	Remote Condensing Unit	Refrigerant	R404A	Rating Cri#	-	Condenser Type	Air	Heat Reclaim Media	N/A	SG1 Rating Liquid Temp (°F)	N/A	SG2 Rating Liquid Temp (°F)	N/A	SG3 Rating Liquid Temp (°F)	N/A	EX MINOR DRY BULB (DB) (°F)	105.7		
Proto Size	-	City/State	Lake City, FL	Condensed	-	Estimated Refrigerant Charge (lbs)	645	System Elec	208/230V / 1ph 60Hz	Rat. Cond. Temp (°F)	123	Heat Reclaim Use	N/A	SG1 Comp RST (°F)	60	SG2 Comp RST (°F)	N/A	SG3 Comp RST (°F)	N/A	50 yr. Extreme DB from AB-RAE Pub.	2017		
Proto Cycle Date	-	Elevation (ft)	133	Proposed By	-	Rack & Cond. Charge (lbs)	-	Dedicat Elec	--	Cond. Design TD (°F)	16	Heat Reclaim Water (GPM)	--							EXTERIOR WET BULB (WB) (°F)	80.7		
Date Proposed		Design DB (°F) / RH (%)	100°F / 51°F	Interior Design DB (°F) / RH%	75°F / 55%	Fixture and Field Piping (lbs)	N/A	Sys. Plbd Elec	120V 1Ph	Cond. Elec	208/230V 3 Ph 60Hz	Est. Reclaim THR (MBH)	N/A	Evap. Superheat (°F)	10					0.4% Velocity Mbl 100 from AB-RAE Pub.	2017		
												Est. Water THR Avail (MBH)	N/A							ASHRAE Design Conditions Weather Station:	Gainesville Regional, FL		

CIRCUIT INFORMATION

CKT #	Case Fixture Length / Quantity: PT # of Doors	2 Dr/F	3 Dr/F	4 Dr/F	5 Dr/12'	Walk-In Box Size: L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LB-HLV or NT & Model # Wt Drops	Evaporator Crit TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap SST	Case/Walk-In Air Temp	Circuit Control Valves: Type	LLSV	Defrost Type	FIXTURE ELECTRICAL INFORMATION: Defrost Heaters Amps	Defrost Heaters Voltage	Fans Amps	Fans Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Comments	Equip Number	CKT #
RCU3						22	16	16	REVERSIBLE/BEER	BOHN	Pickup Cooler W.I.	Y		--	14.1	20	34	CDES-7-0	ESS138	EL	22.8	208/1	1.2	208/1	--	--			RCU3
													SUCTION GROUP #1 REQUIRED CAPACITY (MBH)		14.1	20	Suction Temperature											

General Notes

1. Owner's designated refrigeration equipment manufacturer: Hussmann.
2. Remote C condensing Unit(s) serving small or equipped with oversized receiver, if applicable.
3. OEM to ensure adequate size of compressor and condenser to meet 100% NRE at the scheduled ambient temperature conditions above.
4. Evaporators are certified by AEL.

Updated 11/12/2021

REFRIGERATION SCHEDULE SYSTEM RCU4

Format	Supermarket	Store #	767	System Type	Remote Condensing Unit	Refrigerant	R404A	Rating Cri#	NOVUR	Cond. Type	N/A	Heat Reclaim Media	N/A	SG1 Rating Liquid Temp (°F)	N/A	SG2 Rating Liquid Temp (°F)	N/A	SG3 Rating Liquid Temp (°F)	N/A	EXTERIOR DRY BULB (DB) (°F)	105.7		
Proto Size	-	City/State	Lake City, FL	Condensed	N/A	Estimated Refrigerant Charge (lbs)	N/A	System Elec	208/230V / 3ph 60Hz	Rat. Cond. Temp (°F)	121	Heat Reclaim Use	N/A	SG1 Comp RST (°F)	30	SG2 Comp RST (°F)	N/A	SG3 Comp RST (°F)	N/A	50 yr. Extreme DB from AB-RAE Pub.	2017		
Proto Cycle Date	9/24/2021	Elevation (ft)	133	Proposed By	RCNA PM	Rack & Cond. Charge (lbs)	-	Dedicat Elec	208/ 60Hz 1 or 3 Ph	Cond. Design TD (°F)	15	Heat Reclaim Water (GPM)	--							EXTERIOR WET BULB (WB) (°F)	80.7		
Date Proposed	1/12/2022	Design DB (°F) / RH (%)	100°F / 51°F	Interior Design DB (°F) / RH%	75°F / 55%	Fixture and Field Piping (lbs)	N/A	Sys. Plbd Elec	120V 1Ph	Cond. Elec	208/230V 3 Ph 60Hz	Est. Reclaim THR (MBH)	N/A	Evap. Superheat (°F)	10					0.4% Velocity Mbl 100 from AB-RAE Pub.	2017		
												Est. Water THR Avail (MBH)	N/A							ASHRAE Design Conditions Weather Station	Gainesville Regional, FL		

CIRCUIT INFORMATION

CKT #	Case Fixture Length / Quantity: PT # of Doors	2 Dr/F	3 Dr/F	4 Dr/F	5 Dr/12'	Walk-In Box Size: L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LB-HLV or NT & Model # Wt Drops	Evaporator Crit TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap SST	Case/Walk-In Air Temp	Circuit Control Valves: Type	LLSV	Defrost Type	FIXTURE ELECTRICAL INFORMATION: Defrost Heaters Amps	Defrost Heaters Voltage	Fans Amps	Fans Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Comments	Equip Number	CKT #
RCU4	MAIN CIRCUIT = BLACK/PURPLE WIRE ONLY					19	21	16		BOHN	Pickup Freezer W.I.		TOTAL MAIN CIRCUIT		44.7	-18	-10		EB	EL	34.2	208/3	6.0	208/1	--	--			RCU4
RCU4a									BBL627CS4BEA	BOHN	M1 Pickup Freezer W.I.	Y			22.3	--	-29	-10		EL	17.1	208/3	3.0	208/1	--	--		-	RCU4a
RCU4b									BBL627CS4BEA	BOHN	M2 Pickup Freezer W.I.	Y			22.3	--	-29	-10		EL	17.1	208/3	3.0	208/1	--	--		-	RCU4b
													SUCTION GROUP #1 REQUIRED CAPACITY (MBH)		44.7	-25	Suction Temperature											

General Notes

1. Owner's designated refrigeration equipment manufacturer: Hussmann.
2. Remote C condensing Unit(s) shall be equipped with oversized receiver, if applicable.
3. OEM to ensure adequate size of compressor and condenser to meet 100% NRE at the scheduled ambient temperature conditions above.
4. Evaporators are certified by AEL.

Updated 11/12/2021

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1929 GENERAL REMODEL | JOB NUMBER

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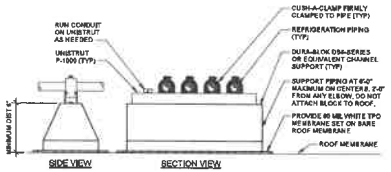
STATE OF FLORIDA
MARK EARLE PETRARCH
LICENSE No. 60005A
PROFESSIONAL ENGINEER

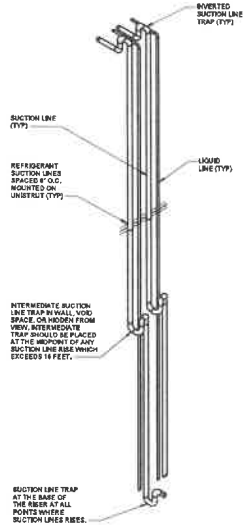
11/22/2021

PICKUP REFRIGERATION SCHEDULES

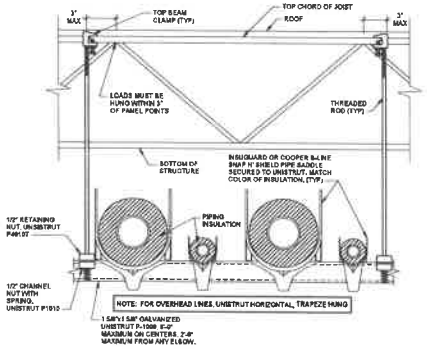
SHEET
R2.1



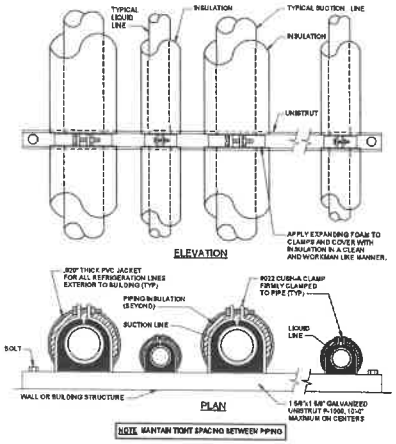
6 REFRIGERATION PIPING SUPPORT (ON ROOF)
NTS



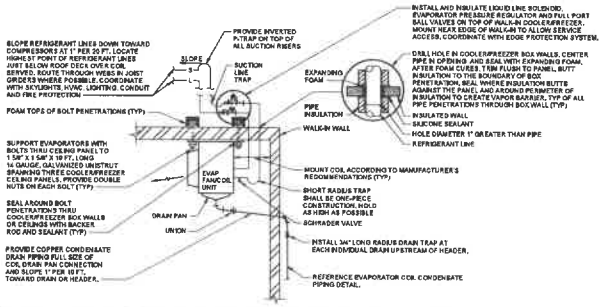
5 INTERMEDIATE SUCTION LINE TRAP
NTS



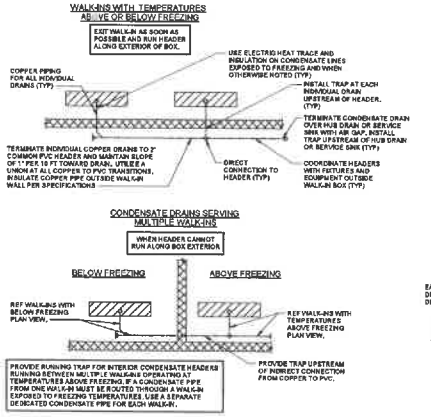
4 HORIZONTAL REFRIGERANT LINE SUPPORT
NTS



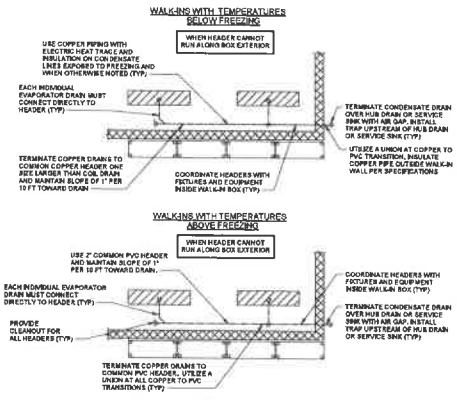
3 VERTICAL REFRIGERANT LINE SUPPORT
NTS



2 EVAPORATOR FAN/COIL UNIT WITH CONTROL VALVES
NTS



1 EVAPORATOR COIL CONDENSATE PIPING
NTS



EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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PHOTO CYCLE:	08/24/21
DOCUMENT DATE:	11/22/21

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 60908
JOHN PAUL PIERSON
LICENSED

11/22/2021

PICKUP REFRIGERATION DETAILS

SHEET: R3.1

ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFF	BELOW FINISHED FLOOR
BL	BLOCK LINTEL
BM	BEAM
BO	BOTTOM OF
BOM	BOTTOM OF MASONRY
BOS	BOTTOM OF STEEL
BRG	BEARING
CJ	CONTRACTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSER UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
DIA	DIAMETER
EDC	ELECTRICAL DISTRIBUTION CENTER
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EW	EACH WAY
FDN	FOUNDATION
FF	FINISHED FLOOR
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GC	GENERAL CONTRACTOR
GYP	GYPSUM BOARD
H	HEIGHT
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SHAPE
INFO	INFORMATION
ISO	ISOLATION
JBE	JOIST BEARING ELEVATION
JST	JOIST
JT	JOINT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LB	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANOUS
MO	MASONRY OPENING
MTL	METAL
NSPS	NOT BY PRECAST SUPPLIER
NIC	NOT IN CONTRACT
NO	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OSL	OUTSTANDING LEG
PAT	POWER ACTUATED FASTENER
PC	PRECAST
PCF	POUNDS PER CUBIC FOOT
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PLUMB	PLUMBING
PMEJ	PREMOLDED EXPANSION JOINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTY
RACK	REFRIGERATION RACK
REF	REFER TO
REINF	REINFORCING
REQD	REQUIRED
REV	REVERSE
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SPCS	SPACES
SPECS	SPECIFICATIONS
STRUC	STRUCTURAL
T&B	TOP AND BOTTOM
THK	THICKNESS
TO	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOGB	TOP OF GRADE BEAM
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WIDTH
WP	WORK POINT

DESIGN LOADS

I. BUILDING CODE

A. BUILDING CODE: 2020 FLORIDA BUILDING CODE

II. GRAVITY LOADS

A. ROOF DEAD LOAD	MAX	MIN
- ROOF INSULATION AND METAL DECK	6 PSF	3 PSF
- STEEL BEAMS	5 PSF	2 PSF
- MECH ELEC, PLUMBING, SPRINKLER, & MERCHANDISE	6 PSF	1 PSF
TOTALS	17 PSF	6 PSF

B. ROOF LIVE LOADS

1. ROOF: 20 PSF (MIN OR SNOW LOAD)

C. ROOF SNOW LOADS

1. GROUND SNOW LOAD (P_g): 0 PSF

III. LATERAL LOADS

A. WIND LOADS

1. BASIC WIND SPEED (3-SECOND GUST)
   - ULTIMATE DESIGN WIND SPEED: 120 MPH
   - BASIC DESIGN WIND SPEED (SERVICE): 93 MPH
2. WIND EXPOSURE CATEGORY: B
3. RISK CATEGORY: II
4. VELOCITY PRESSURE EXPOSURE COEFFICIENT (K_H): 0.85
5. INTERNAL PRESSURE COEFFICIENT (GCpi): +/- 0.18
6. WIDTH OF EDGE ZONE FOR EXTERIOR WALLS, BEAMS, AND ROOF ASSEMBLIES (a): 3 FT

B. DESIGN WIND PRESSURES (SERVICE)

(LOADS INCLUDE 0.6 LOAD COMBINATION FACTOR FROM ASCE 7-16, SECTION 2.4.1)

1. EXTERIOR WALLS
   - INTERIOR ZONE: 11.0 PSF
   - CORNER ZONE: 17.2 PSF
   - PARAPETS: 32.8 PSF
2. ROOF ASSEMBLY UPLIFT
   - CORNER ZONE: 36.7 PSF
   - EDGE ZONE: 27.0 PSF
   - INTERIOR ZONE: 20.4 PSF

C. SEISMIC LOADS (SERVICE)

1. 5% DAMPED MAPPED ACCELERATION PARAMETER (S_S): 0.085
2. 1-SEC PERIOD MAPPED ACCELERATION PARAMETER (S_1): 0.050
3. 5% DAMPED SPECTRAL RESPONSE COEFF. (S_{DS}): 0.091
4. 1-SEC PERIOD SPECTRAL RESPONSE COEFF. (S_{D1}): 0.061
5. SITE CLASS: D (DEFAULT)
6. RISK CATEGORY: II
7. IMPORTANCE FACTOR (I_e): 1.0
8. SEISMIC DESIGN CATEGORY: B
9. SEISMIC FORCE RESISTING SYSTEM: INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
10. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
11. SEISMIC RESPONSE COEFFICIENT (C_S): 0.029
12. RESPONSE MODIFICATION FACTOR (R): 3.5
13. OVERSTRENGTH FACTOR (Ω_0): 2
14. DESIGN BASE SHEAR (V): 0.01 BW (SERVICE)

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED. REFER TO APPENDIX B OF THE PROJECT SPECIFICATIONS FOR THE FOLLOWING INFORMATION REGARDING THE REQUIREMENTS OF SPECIAL INSPECTIONS

1. THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS;
2. THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
3. THE TYPE AND EXTENT OF EACH TEST.
4. ADDITIONAL SPECIAL INSPECTION REQUIREMENTS FOR WIND OR SEISMIC RESISTANCE (WHEN APPLICABLE).
5. THE FREQUENCY OF SPECIAL INSPECTIONS AND TESTING.

LEGEND

- INDICATES TOP OF BOND BEAM ELEVATION AT ROOF BETWEEN CMU CONTROL JOINTS
- INDICATES MASONRY CONTROL JOINT
- INDICATES CONCENTRATED LOAD; REF FRAMING PLAN NOTES
- SCUPPER, REF ARCH FOR SIZE AND LOCATIONS
- ROOF TOP UNIT (RTU)
- EXHAUST FAN (EF)

ITEMS IN LEGEND MAY NOT OCCUR ON ALL PLANS

FOUNDATION SUBSURFACE PREPARATION

GEOTECHNICAL REPORT IS PENDING

STEEL REINF LAP SCHEDULE

BAR SIZE	CONCRETE LAP SPLICE (CLASS B) (IN)										CMU LAP SPLICE (IN)
	f'c = 3,000psi		f'c = 3,500psi		f'c = 4,000psi		f'c = 4,500psi		f'c = 5,000psi		
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	
3	17	16	16	16	16	16	16	16	16	16	20
4	23	18	21	18	20	16	19	14	18	13	26
5	29	22	26	20	25	19	23	18	22	17	32
6	34	26	31	24	29	23	28	21	26	20	39
7	49	38	45	35	43	33	40	31	38	29	45
8	56	43	52	40	49	37	46	36	44	34	52

GENERAL NOTES

1.0 GENERAL

1.1 EXISTING CONDITIONS SHOWN MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. WITHIN ONE WEEK FROM THE START OF CONSTRUCTION DATE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MATERIAL, MEASUREMENTS, AND ELEVATIONS AND SHALL NOTIFY THE ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE OWNER'S CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR FORESEEN PROBLEMS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD MEASUREMENTS, EXISTING CONDITIONS, AND KNOWN COMPLICATIONS WITH THE MATERIAL SUPPLIERS.

1.2 GENERAL CONTRACTOR SHALL CAREFULLY COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

1.3 GENERAL CONTRACTOR SHALL PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC DURING CONSTRUCTION. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER'S REPRESENTATIVE, TO THE OWNER'S SATISFACTION AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.

1.4 BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.

1.5 GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT AND MAINTAINING STABILITY OF EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

1.6 BEFORE OR CONCURRENT WITH ANY EXCAVATIONS ADJACENT TO THE EXISTING BUILDING FOUNDATION OR SLAB GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SUPPORT FOR THE BASE AND SUBGRADE OF THE EXISTING SLAB AND FOUNDATIONS TO PREVENT UNDERMINING.

1.7 GENERAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK.

1.8 STEEL FRAMING IS NONSELF SUPPORTING AND REQUIRES INTERACTION WITH OTHER ELEMENTS NOT CLASSIFIED AS STRUCTURAL STEEL TO PROVIDE THE REQUIRED STABILITY AND RESISTANCE TO LATERAL FORCES, UNLESS.

1.9 THE STEEL FRAMING AND CMU WALLS SHALL BE TEMPORARILY BRACED UNTIL ALL STEEL FRAMING, ROOF DECK, AND CMU WALLS HAVE BEEN INSTALLED AND ALL CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.

1.10 THE STRUCTURAL ENGINEER OF RECORD, ITS EMPLOYEES, AND REPRESENTATIVES SHALL NOT BE RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THEY BE RESPONSIBLE FOR ANY FAILURE BY THE CONTRACTOR TO PERFORM OR COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

2.0 FOUNDATIONS AND SLABS-ON-GRADE

2.1 FOOTING DESIGNS ARE BASED ON A NET SOIL BEARING PRESSURE OF 2,500 PSF. IF SUITABLE BEARING MATERIAL IS NOT ENCOUNTERED AT THE ELEVATION INDICATED ON THE DRAWINGS AS INDICATED BY A LICENSED GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL OVEREXCAVATE UNTIL SUITABLE BEARING MATERIAL IS ENCOUNTERED.

2.2 EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 12 INCHES BELOW ADJACENT FINISHED GRADE. THICKENED SLAB EDGES FOR STOOPS ETC. SHALL BE 16 INCHES (UNO).

2.3 STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACKFILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST.

2.4 SLABS-ON-GRADE ARE UNREINFORCED CONCRETE UNLESS NOTED OTHERWISE.

2.5 PROVIDE SAW CUT JOINTS AT 15'-0" OC MAXIMUM SPACING UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS.

2.6 PROVIDE (2) #4x2'-0" BARS PLACED 1 1/2" BELOW TOP OF SLAB AND LOCATED DIAGONALLY AT REENTRANT CORNERS.

2.7 "CJ" INDICATES SAW CUT CONTRACTION JOINT IN SLAB-ON-GRADE. "CONST JT" INDICATES DOWELED CONSTRUCTION JOINT IN SLAB-ON-GRADE, REF SPECIFICATION SECTION 03314.

2.8 HORIZ BARS IN FOOTINGS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS UNO, REF CORNER BAR DETAIL.

2.9 FOUNDATION WALLS SHALL HAVE TEMPORARY BRACING BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED.

2.10 FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER. PENETRATIONS SHALL BE THROUGH FOUNDATION STEMWALL OR 8" CLEAR BELOW FOOTING.

3.0 CONCRETE AND REINFORCING STEEL

3.1 MINIMUM COMPRESSIVE STRENGTH (f'c) AT THE END OF 28 DAYS SHALL BE AS FOLLOWS:

A. STRUCTURAL CAST-IN-PLACE CONCRETE FOOTINGS	3000 PSI	SPECIFICATION SECTION 03310
B. EXTERIOR CAST-IN-PLACE CONCRETE SLABS	REF SPECS	SPECIFICATION SECTION 03310
C. INTERIOR CAST-IN-PLACE CONCRETE SLABS	3500 PSI	SPECIFICATION SECTION 03314

FOR ALL OTHER CONCRETE PROPERTIES REFER TO SPECIFICATIONS.

3.2 CONCRETE FREEZING AND THAWING EXPOSURE CLASS SHALL BE F0 AND SULFATE EXPOSURE CLASS SHALL BE S0.

3.3 REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A 615, DEFORMED BAR, GRADE 60 OR ASTM SPECIFICATION A 706, DEFORMED BAR, GRADE 60. REF SHEET S0 FOR LAP LENGTHS UNO ON DETAILS.

3.4 REFER TO ACI 318 FOR CONCRETE COVER, ACI 315 FOR DETAILING PRACTICES AND FABRICATION, AND ACI301 FOR STANDARD PRACTICE FOR MIXING AND PLACING CONCRETE.

3.5 LEAN CONCRETE - MIN 2 1/2 SACKS PORTLAND CEMENT PER CUBIC YARD.

4.0 STRUCTURAL STEEL

4.1 STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTH AND SPECIFICATIONS

STRUCTURAL STEEL	YIELD	ASTM SPECIFICATION
A. WIDE FLANGE STEEL SHAPES	50 KSI	A 992
B. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SHAPES	64 KSI	A 500 GRADE C
C. BARS, PLATES, ANGLES, & ANCHOR BOLTS	36 KSI	A 36, UNO
D. HEADED STUD ANCHORS	60 KSI	A 108 (GRADE DESIGNATIONS 1010 TO 1020, INCLUSIVE)

4.2 BOLTS FOR STEEL BEAM AND COLUMN CONNECTIONS SHALL BE 3/4" DIAMETER ASTM A 325-N HIGH-STRENGTH BOLTS, UNO. ALL BOLTED CONNECTIONS ARE BEARING TYPE. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT, UNO.

4.3 WELDING SHALL MEET AMNWARS D1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE 70 KN LOW HYDROGEN.

4.4 THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ADEQUACY OF CONNECTIONS THAT ARE NOT DESIGNED OR FULLY DETAILED ON THE CONTRACT DOCUMENTS.

4.5 PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION.

4.6 PROVIDE 1 1/2 INCH NON-SHRINK GROUT UNDER BASE PLATE AFTER ERECTION.

4.7 PROVIDE L5x3x1/4 (LLV) FIELD-FABRICATED FRAME BETWEEN JOISTS AT OPENINGS IN ROOF GREATER THAN 12"x12", UNO, (INCLUDING ROOF DRAIN AND EXHAUST FAN OPENINGS REGARDLESS OF OPENING SIZE).

5.0 STEEL JOISTS AND JOIST GIRDERS

NOT USED.

6.0 STEEL ROOF DECK

6.1 ROOF DECK SHALL BE PAINTED TYPE "B" (WIDE RIB) THREE SPAN MIN (UNO ON FRAMING PLAN) AS SHOWN ON ROOF FRAMING PLAN. THE STEEL ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. REFER TO THE ROOF DIAPHRAGM CONNECTION DIAGRAM AND SCHEDULE FOR ATTACHMENT PATTERN OPTIONS.

6.2 PROVIDE 2 LAYERS OF ROOF DECK WHERE SINGLE SPAN CONDITION EXISTS. MAKE DIAPHRAGM CONNECTIONS AFTER PLACEMENT OF BOTH LAYERS OF ROOF DECK. SINGLE SPAN SHALL BE CONSIDERED WHERE DECK IS NOT CONTINUOUS BETWEEN THREE ADJACENT BEAMS AND/OR PERIMETER ANGLE.

6.3 WHEN THE ROOF DECK IS WELDED, WELDING RODS SHALL BE E 6022.

7.0 LIGHT GAUGE STEEL FRAMING

NOT USED.

8.0 MASONRY

8.1 CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C 90. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'm) SHALL BE 2000 PSI. THE NET AREA COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2000 PSI.

8.2 MORTAR SHALL BE A PREBLENDED DRY MIX CONFORMING TO ASTM C 1714 AND MEETING THE PROPERTY SPECIFICATIONS OF ASTM C 270 TYPE "S" MORTAR. REF SPECIFICATION SECTION 04200 FOR ADDITIONAL REQUIREMENTS.

8.3 GROUT SHALL MEET ASTM SPECIFICATION C 476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. REF SPECIFICATION SECTION 04200 FOR ADDITIONAL REQUIREMENTS.

8.4 GROUT SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4" DIAMETER HEAD. REF SPECIFICATION SECTION 04200.

8.5 HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE. REF SPEC SECTION 04200. REFER TO CMU WALL REINFORCEMENT DIAGRAM FOR SPACING.

8.6 CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.

8.7 CONCRETE MASONRY BELOW FINISHED FLOOR SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL CELLS FULLY GROUTED. CONCRETE MASONRY ABOVE FINISHED FLOOR SHALL BE LIGHT WEIGHT OR NORMAL WEIGHT AND SHALL BE GROUTED ONLY AT REINFORCED CELLS AND BOND BEAMS, UNO.

8.8 INSTALL TEMPORARY BRACING AT ALL CMU WALLS. DO NOT REMOVE TEMPORARY BRACING UNTIL WALL IS PERMANENTLY BRACED BY CONNECTION TO THE ROOF STRUCTURE.

8.9 REFER TO CMU WALL DETAILS FOR PRIMARY WALL REINFORCEMENT.

8.10 REFER TO CMU WALL REINFORCING DIAGRAM AND TYPICAL MASONRY WALL OPENING DIAGRAM AND SCHEDULE FOR ADDITIONAL REINFORCING AT OPENINGS, CONTROL JOINTS, CORNERS AND ENDS OF WALL PANELS.

8.11 REFER TO FOUNDATION DETAILS, AND FRAMING DETAILS FOR ADDITIONAL BOND BEAM LOCATIONS AND EMBEDDED ITEMS.

8.12 PROVIDE HORIZONTAL REINFORCEMENT AS INDICATED IN THE CMU WALL DETAILS. USE OPEN KNOCK OUT BOND BEAM BLOCK, DO NOT USE TROUGH TYPE BLOCKS FOR BOND BEAMS. DO NOT CONTINUE BOND BEAM REINFORCING THROUGH CONTROL JOINTS, UNO.

8.13 MASONRY CONSTRUCTION REQUIRES SPECIAL INSPECTION. REF SPECIFICATION SECTION 04200 FOR REQUIREMENTS.

9.0 POST-INSTALLED ANCHORS

9.1 POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. REFER TO SPECIFICATION 05090 FOR ADDITIONAL INFORMATION.

10.0 SUBGRADE AND BASE

10.1 NOTIFY IMMEDIATELY THE OWNER'S REPRESENTATIVE AND ENGINEER IF UNUSUAL SOIL CONDITIONS ARE FOUND.

10.2 PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY, ETC. RESTORE ALL ITEMS DAMAGED AS REQUIRED BY OWNER'S REPRESENTATIVE, AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME.

10.3 DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA.

10.4 DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.

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JBA PROJECT NO:	2135006767

JOHN BART HALLIGAN LICENSED No. 75748 STATE OF FLORIDA PROFESSIONAL ENGINEER

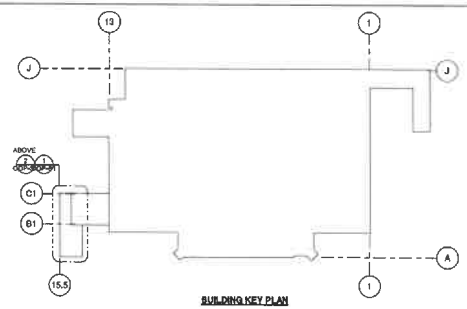
12/7/21

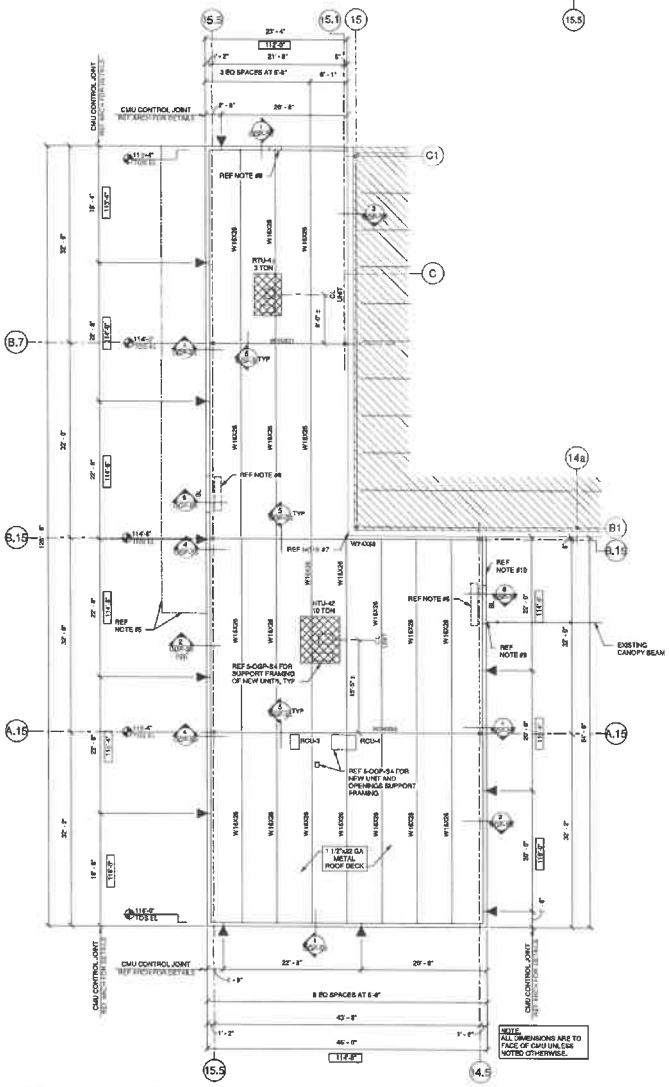
GENERAL STRUCTURAL INFORMATION

SHEET: OGP-S0

FRAMING PLAN NOTES

1. REFER TO SHEETS OGP-80 AND OGP-84 FOR GENERAL NOTES AND DESIGN CRITERIA.
2. NOTE TO GENERAL CONTRACTOR: REFER TO SECTION 05120 OF THE CONTRACT SPECIFICATIONS FOR OWNER SUPPLIED STRUCTURAL STEEL. ALL OTHER STRUCTURAL AND MISCELLANEOUS STEEL NOT PROVIDED UNDER SECTION 05120 SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AS NOTED IN SECTION 05500 OF THE SPECIFICATIONS.
3. "BL" DENOTES CMU BLOCK LINTEL. REFER TO CMU LINTEL SCHEDULE (1-OGP-84) FOR SIZE AND REINFORCEMENT.
4. REF ROOF DIAPHRAGM CONNECTION DETAIL 6-OGP-54 FOR DECK ATTACHMENT TO ROOF FRAMING MEMBERS AND DECK FASTENER TYPE, SIZE AND SPACING.
5. EXTENT OF VENDOR PROVIDED CANOPY BELOW.
6. REF MEGA FOR AIR CURTAIN, REF 6-OGP-53 FOR SUPPORT FRAMING.
7. SPLICE AND FLIP UP VERTICAL LEG OF ROOF ANGLE AND EXTEND ANGLE 1'-6" BEYOND WALL. WELD ANGLE DIRECTLY TO TOP FLANGE OF STEEL BEAM JOIST.
8. REF ARCH FOR SCUPPER OPENING LOCATIONS. REF 1-OGP-84 FOR OPENING REINFORCEMENT AND DETAILS.
9. CUT BACK EXISTING CANOPY BEAM 1" FROM FACE OF NEW CMU WALL. PROVIDE 1" CAP PLATE ON OPEN END OF CUT BACK BEAM.
10. EXISTING Lintel TO BE ATTACHED TO BE ATTACHED TO NEW WALL WITH 1/2" DIAMETER THREADED RODS AT 24" OC. DRILL AND EMBED THREADED RODS 9" INTO NEW CMU WALL WITH HILTI HIT-HY 270 ADHESIVE. ATTACH EXISTING DECK TO ANGLE TO MATCH EXISTING.

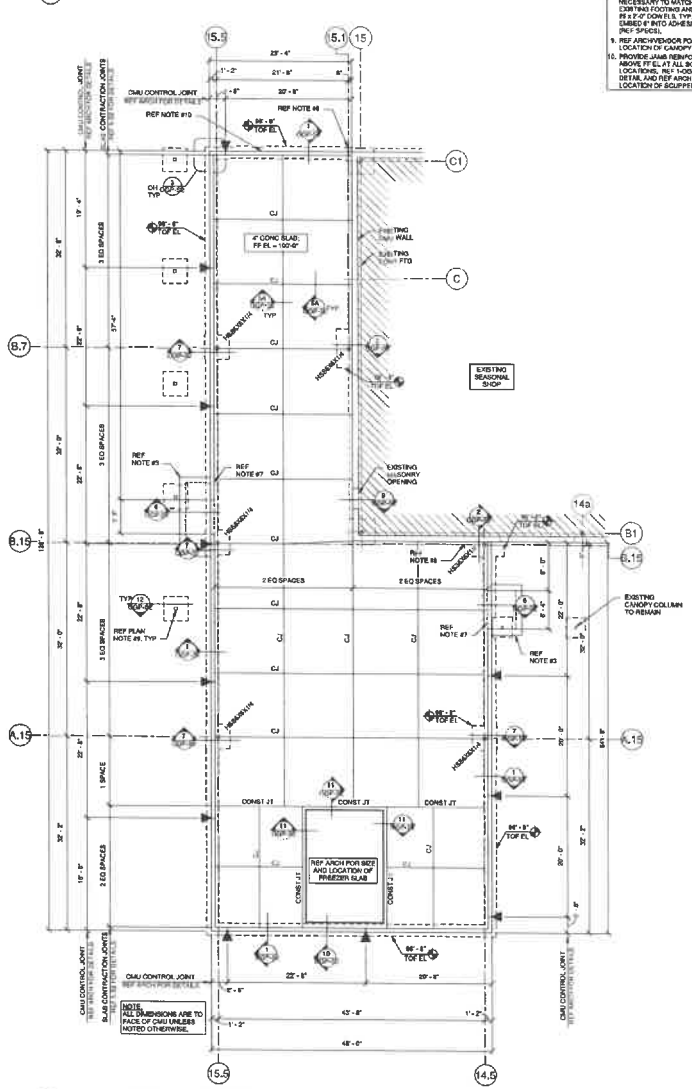




2 ROOF FRAMING PLAN
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. BEFORE STARTING WORK, COORDINATE LOCATION OF ALL STEEL BEAMS WHICH BEAR ON MASONRY, DEPOUT AND REINFORCE WALL PER DETAILS AND GENERAL NOTES.
2. VERIFY ALL WALL OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
3. REF ARCH DRAWINGS FOR SIZE AND LOCATION OF ALL EXTERIOR PADS AND DOOR STOOPS.
4. DEVIATIONS FROM CONSTRUCTION PATTERN SHOWN MUST BE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER.
5. REFER TO MECHANICAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND SLAB DEPRESSIONS AT DRAINS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR BOLLARD SLEEVE SIZES AND LOCATIONS.
7. REF TYPICAL RE-ENTRANT CORNER REINFORCING DETAIL 4-OGP-52 FOR ADDITIONAL REINFORCING IN SLAB AT DOOR OPENINGS AND OTHER LOCATIONS. TYP.
8. STEP BOTTOM OF FOOTING IF NECESSARY TO MATCH BOTTOM OF EXISTING FOOTING AND PROVIDE DOWELS 2'-0" DOWELS. TYP. DRILL AND EMBED 9" INTO ADHESIVE ANCHOR (REF SPECS).
9. REF ARCH/VENDOR FOR EXACT LOCATION OF CANOPY COLUMNS.
10. PROVIDE JAMB REINFORCEMENT ABOVE FF EL AT ALL SCUPPER LOCATIONS. REF 1-OGP-84 FOR JAMB DETAIL AND REF ARCH FOR SIZE AND LOCATION OF SCUPPERS. TYP.



1 FOUNDATION & SLAB PLAN
1/8" = 1'-0"

ST PUBLICATION FOR REVIEW

CONSULTANTS

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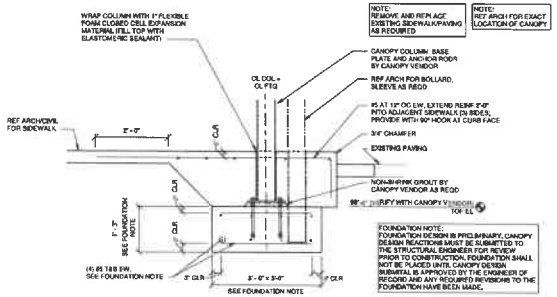
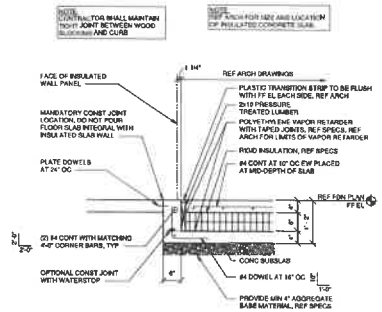
12/7/21

FOUNDATION AND FRAMING PLANS

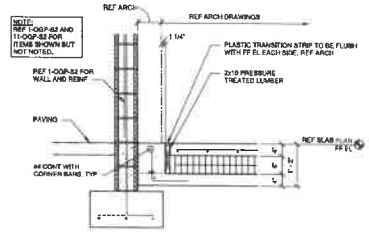
SHEET OGP-S1



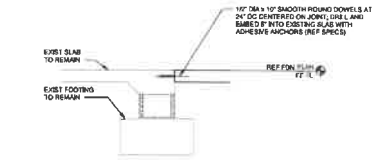
12 ASSOCIATE CANOPY COLUMN FOOTING
3/4" = 1'-0"



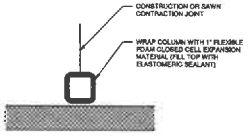
11 INSULATED CONCRETE SLAB
3/4" = 1'-0"



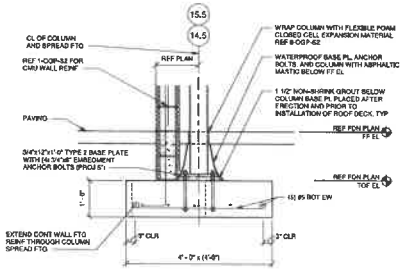
10 INSULATED CONCRETE SLAB AT WALL
3/4" = 1'-0"



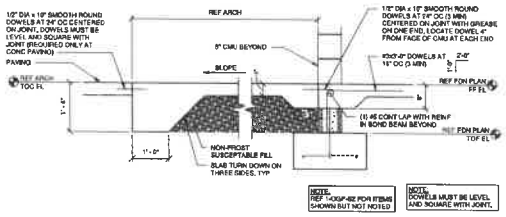
9 NEW SLAB AT EXISTING SLAB
3/4" = 1'-0"



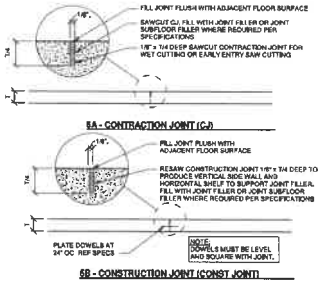
8 COLUMN ISOLATION WRAP
3/4" = 1'-0"



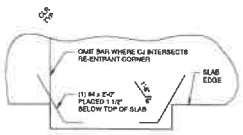
7 EXTERIOR COLUMN FOOTING
3/4" = 1'-0"



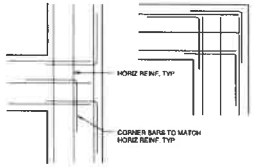
6 SLAB AT OPENING WITH STOOP
3/4" = 1'-0"



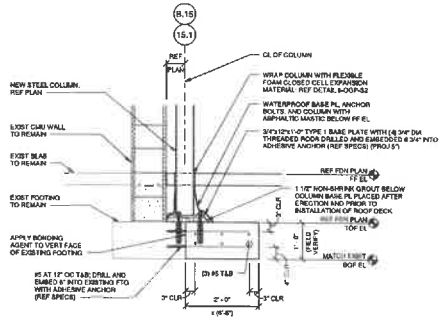
5 CONCRETE SLAB JOINTS
NTS



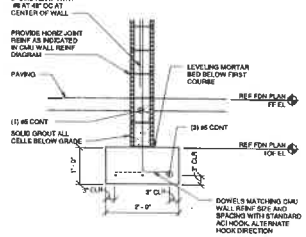
4 TYPICAL SLAB REINF AT DOOR OPNG
3/4" = 1'-0"



3 CORNER BAR REINF
3/4" = 1'-0"



2 NEW COLUMN AT EXISTING WALL
3/4" = 1'-0"



1 EXTERIOR WALL FOOTING
3/4" = 1'-0"

STIPULATION FOR REUSE

CONSULTANTS

JOHNSTON MARSHALL & ASSOCIATES

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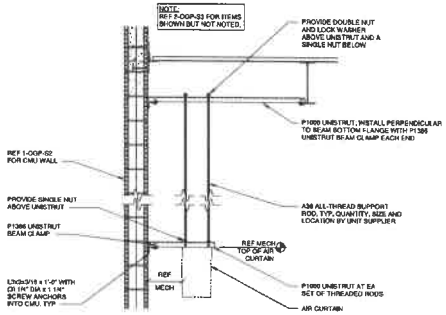
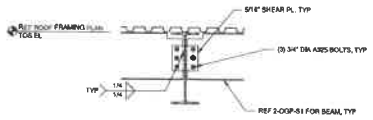
FOUNDATION DETAILS

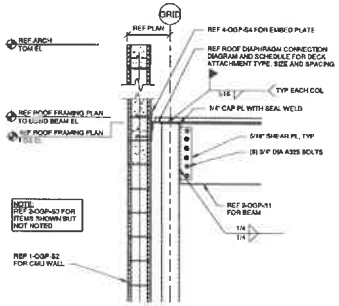
SHEET OGP-S2



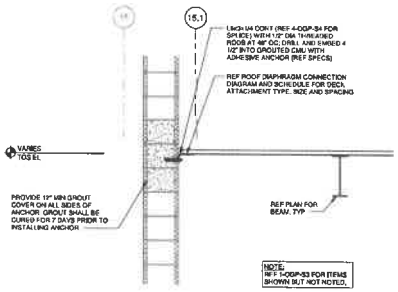
6 **AIR CURTAIN SUPPORT**
3/4" = 1'-0"



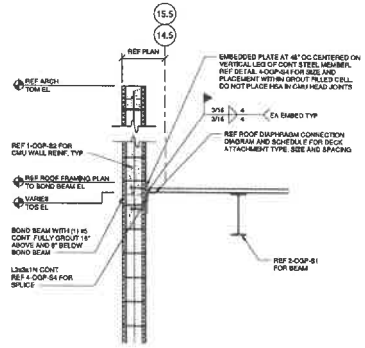
5 **BEAM TO BEAM CONNECTION**
3/4" = 1'-0"



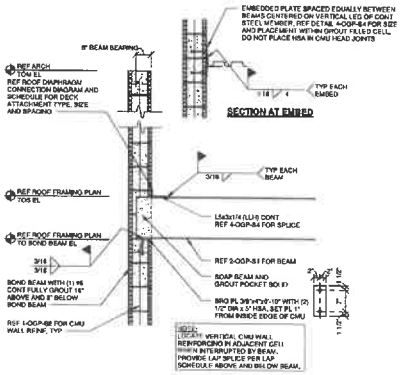
4 **GIRDER TO PERIMETER COLUMN**
3/4" = 1'-0"



3 **EXISTING WALL SECTION AT MAIN BLDG**
3/4" = 1'-0"



2 **SIDE WALL SECTION AT PARAPET**
3/4" = 1'-0"



1 **FRONT/REAR WALL SECTION**
3/4" = 1'-0"

STIPULATION FOR REUSE

CONSULTANTS

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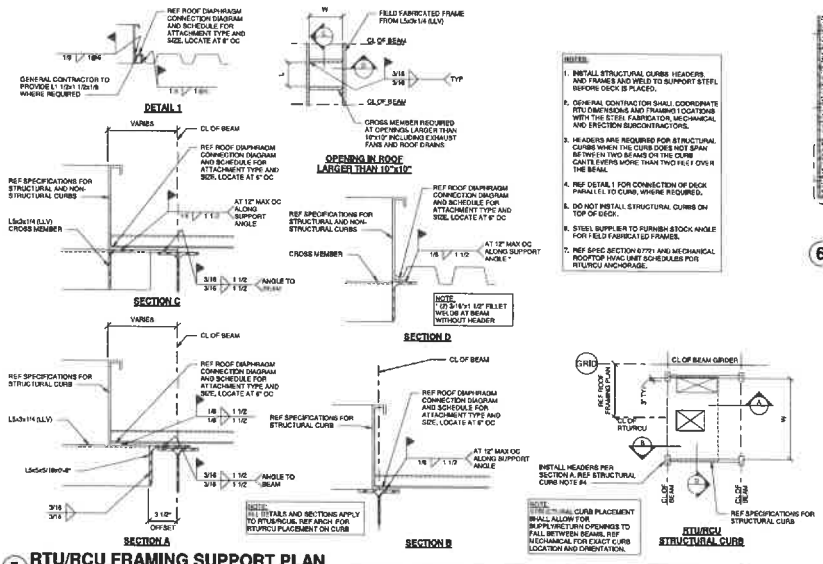
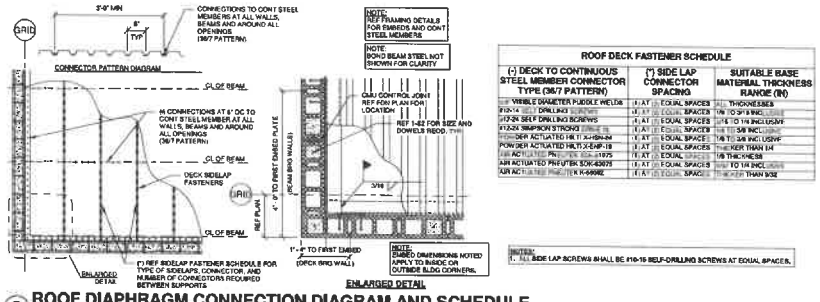
ROOF FRAMING DETAILS

SHEET:
OGP-S3



5 RTU/RCU FRAMING SUPPORT PLAN
NTS

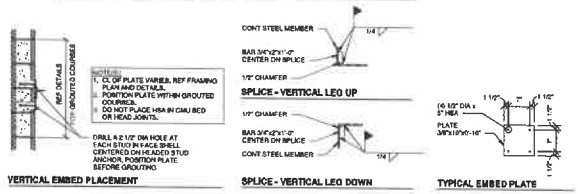


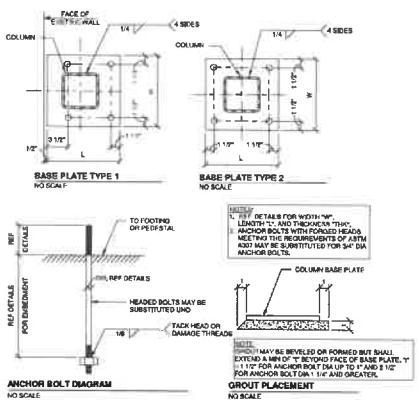
6 ROOF DIAPHRAGM CONNECTION DIAGRAM AND SCHEDULE
NTS

ROOF DECK FASTENER SCHEDULE

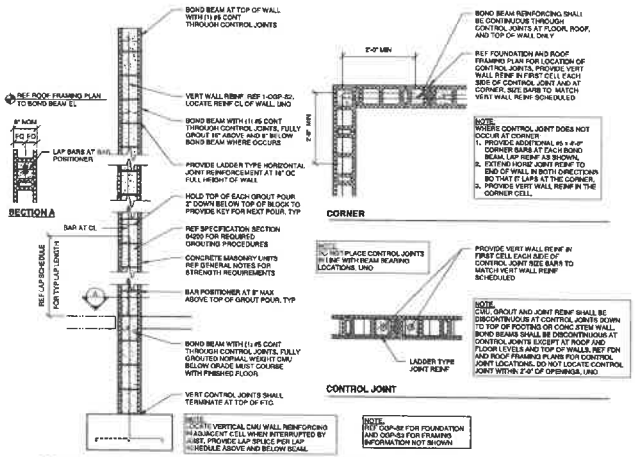
(-) DECK TO CONTINUOUS STEEL MEMBER CONNECTOR TYPE (36/7 PATTERN)	(*) SIDE LAP CONNECTOR SPACING	SUITABLE BASE MATERIAL THICKNESS RANGE (IN)
5/8" VARIBLE DIAMETER PUDDLE WELDS	(-) AT (*) EQUAL SPACES	ALL THICKNESSES
#10-14 SELF DRILLING SCREWS	(-) AT (*) EQUAL SPACES	1/8 TO 3/16 INCLUSIVE
#12-24 SELF DRILLING SCREWS	(-) AT (*) EQUAL SPACES	0.014 TO 1/8 INCLUSIVE
#12-24 SNAP-ON STRONG SEAL	(-) AT (*) EQUAL SPACES	1/8 TO 5/8 INCLUSIVE
POWDER ACTUATED HILTI X-HSN-24	(-) AT (*) EQUAL SPACES	0.14 TO 3/8 INCLUSIVE
POWDER ACTUATED HILTI X-ENP-19	(-) AT (*) EQUAL SPACES	THICKER THAN 1/4
AIR ACTUATED PRUTEK SCR-43075	(-) AT (*) EQUAL SPACES	1/8 THICKNESS
AIR ACTUATED PRUTEK SCR-43075	(-) AT (*) EQUAL SPACES	0.14 TO 1/4 INCLUSIVE
AIR ACTUATED PRUTEK K-5600Z	(-) AT (*) EQUAL SPACES	THICKER THAN 3/32

4 WALL EMBED AND SPLICE DETAILS
NTS





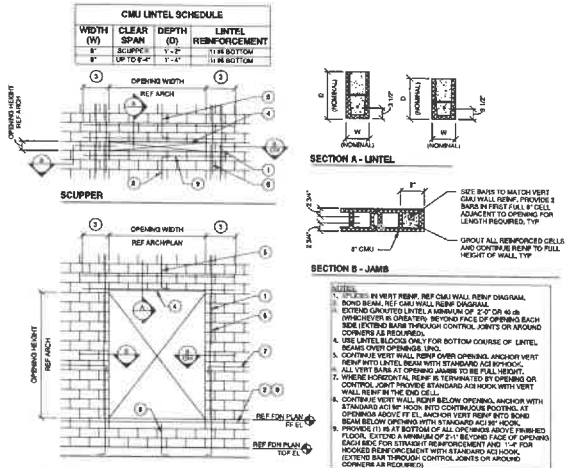
3 BASE PLATE AND ANCHOR BOLT DIAGRAM
NTS



2 CMU WALL REINFORCING DIAGRAM
3/4" = 1'-0"

CMU LINTEL SCHEDULE

WIDTH (W)	CLEAR SPAN	DEPTH (D)	LINTEL REINFORCEMENT
8"	8' TO 6'-0"	1'-0"	1) #5 BOTTOM
8"	8' TO 6'-0"	1'-4"	1) #5 BOTTOM



1 TYPICAL MASONRY WALL OPENING DIAGRAM AND SCHEDULE
3/4" = 1'-0"

STIPULATION FOR REUSE

CONSULTANTS

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GENERAL SCHEDULES AND DIAGRAMS

SHEET
OGP-S4