

ADDENDUM NO. 2

Date: August 28, 2024

Project Name: Upper Prospector Renovation

Project No.: 151B

SCO ID: 23-26198-02A

The following clarifications, amendments, additions, deletions, revisions, and modifications are hereby made a part of the Contract Documents and change the original documents only in the manner and to the extent stated below.

SPECIFICATIONS (attached)

01 2300 – Alternates 10 4416 – Fire Extinguishers

DRAWINGS (attached)

A221 - FINISH PLAN AND NOTES

A222 - FINISH LEGEND AND ALT. 03 FINISH PLAN

A603 - CEILING DETAILS

FP001 - FIRE PROTECTION DATA SHEET

FP100 - FIRE PROTECTION - NEW WORK PLAN

P210 - LEVEL 02 PLUMBING PRESSURE - NEW WORK PLAN

P300 – PLUMBING – ROOF PLAN

P301 - PLUMBING - DETAIL VIEW - PANDA EXPRESS

P304 - PLUMBING - DETAIL VIEW - OASIS - ALTERNATE 4

P500 - PLUMBING - DETAILS

P501 - PLUMBING - DETAILS

M210 - MECHANICAL - DUCTWORK - NEW WORK PLAN

M600 - MECHANICAL - SCHEDULES

M602 - MECHANICAL - CONTROLS DIAGRAMS 2

E201 - ELECTRICAL - LIGHTING - NEW WORK - SECOND FLOOR

E701 - ELECTRICAL - SCHEDULES

E702 - ELECTRICAL - PANEL SCHEDULES

-- END OF ADDENDUM NO. 2 --

UPPER PROSPECTOR RENOVATION

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Owner-preferred door hardware.
 - 1. Base Bid: Provide door hardware by any of the manufacturer's listed in Section 087100 "Door Hardware".

ALTERNATES *Addendum No. 2 012300 - 1

UPPER PROSPECTOR RENOVATION

- 2. Alternate: Provide Door Hardware by the specific manufacturer's listed in the Door Hardware Schedule in Section 08 7100 "Door Hardware."
- B. Alternate No. 2: Elevator Upgrades.
 - 1. Base Bid: Omit Elevator Upgrades.
 - 2. Alternate: Provide elevator upgrades as indicated on the Drawings and as specified in Section 14 3000 "Hydraulic Elevator Component Package".
- C. Alternate No. 3: Existing Restroom Renovations.
 - Base Bid: Omit existing restroom renovations.
 - 2. Alternate: Renovate existing restroom as indicated on the Drawings.
- D. Alternate No. 4: Oasis Venue.
 - 1. Base Bid: Omit Oasis venue. Provide utilities to underslab and overhead for future connections as indicated.
 - 2. Alternate: Provide Oasis venue as indicated.
- E. Alternate No. 5: Engineered Bamboo.
 - 1. Base Bid: Omit Engineered Bamboo Louver System.
 - 2. Alternate: Provide Engineered Bamboo Louver System as indicated.
- F. Alternate No. 6: Oasis Venue Security Grille.
 - 1. Base Bid: Omit Security Grille at Oasis Venue.
 - 2. Alternate: Provide Security Grille at Oasis Venue as indicated.
- G. Alternate No. 7: Existing Lobby Elevator Wall Finish.
 - 1. Base Bid: Omit new wall finish at existing lobby elevator.
 - 2. Alternate: Provide new wall finish on both floors at existing lobby elevator as indicated.
- H. Alternate No. 8: New Dish Machine and Enlarged Door.
 - 1. Base Bid: Omit new dish machine, new door in adjacent location to be the size indicated.
 - 2. Alternate: Provide new dish machine and larger adjacent door as indicated.
- I. Alternate No. 9: Electrical Sub-metering.
 - 1. Base Bid: Omit sub-metering at venues.
 - 2. Alternate: Provide sub-metering at venues as indicated.
- J. *Alternate No. 10: Owner-preferred controls.
 - 1. Base Bid: Provide controls by any of the manufacturer's listed.
 - 2. Alternate: Provide controls by Schneider.

ALTERNATES *Addendum No. 2 012300 - 2

3.2 PREFFERRED ORDER OF ALTERNATES

Copy and re-edit "Alternate No. (Insert number)" Paragraph below for each alternate required for Project. See samples of alternate descriptions in the Evaluations. Revise below when additional clarification of base bid and alternate conditions will assist bidders and Contractor in understanding scope of each.

- 1. The following Alternates are listed in order of preference:
 - a. Alternate No. 1: Owner-preferred door hardware.
 - b. *Alternate No. 10: Owner-preferred controls.
 - c. Alternate No. 4: Oasis Venue
 - d. Alternate No. 3: Existing Restroom Renovations.
 - e. Alternate No. 7: Existing Lobby Elevator Wall Finish
 - f. Alternate No. 5: Engineered Bamboo
 - g. Alternate No. 6: Oasis Venue Security Grille
 - h. Alternate No. 9: Electrical Sub-Metering
 - i. Alternate No. 8 New Dish Machine and Enlarged Door
 - j. Alternate No. 2- Elevator Upgrades

END OF SECTION

ALTERNATES *Addendum No. 2 012300 - 3

UPPER PROSPECTOR RENOVATION

SECTION 104416 - FIRE EXTINGUISHERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes portable, hand-carried fire extinguishers and mounting brackets for fire extinguishers.

B. Related Requirements:

- 1. Section 104413 "Fire Protection Cabinets."
- 2. Section 233813 "Commercial-Kitchen Hoods" for fire-extinguishing systems provided as part of commercial-kitchen exhaust hoods.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product. Include rating and classification, material descriptions, dimensions of individual components and profiles, and finishes for fire extinguisher[and mounting brackets].

1.3 COORDINATION

A. Coordinate type and capacity of fire extinguishers with fire-protection cabinets to ensure fit and function.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Portable Fire Extinguishers."
- B. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
 - 1. Provide fire extinguishers approved, listed, and labeled by FM Global.

2.2 PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS

- A. Fire Extinguishers: Type, size, and capacity for each fire-protection cabinet mounting bracket indicated.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis.

UPPER PROSPECTOR RENOVATION

- b. Guardian Fire Equipment, Inc.
- c. Kidde; Carrier Global Corporation.
- d. Larsens Manufacturing Company.
- 2. Source Limitations: Obtain fire extinguishers, fire-protection cabinets, and accessories, from single source from single manufacturer.
- 3. Valves: Manufacturer's standard.
- Handles and Levers: Manufacturer's standard.
- 5. Instruction Labels: Include pictorial marking system complying with NFPA 10, Appendix B, and bar coding for documenting fire-extinguisher location, inspections, maintenance, and recharging.
- B. *Pressurized, AFFF-Foam Type (FEC (R)): UL-rated 2-A:10-B, 1.6-gal. nominal capacity, with AFFF foam in stainless steel container; with pressure-indicating gage.
- C. Wet-Chemical Type (F.E.): UL-rated 2-A:K, 2.5-gal. nominal capacity, with potassium acetate-based chemical in stainless steel container; with pressure-indicating gage.
- D. *Multipurpose Dry-Chemical Type in Steel Container (FEC (R)): UL-rated 4-A:60-B:C, 10-lb nominal capacity, with monoammonium phosphate-based dry chemical in enameled-steel container.

2.3 MOUNTING BRACKETS

- A. Mounting Brackets: Manufacturer's standard galvanized steel, designed to secure fire extinguisher to wall or structure, of sizes required for types and capacities of fire extinguishers indicated, with plated or black baked-enamel finish.
 - 1. Source Limitations: Obtain mounting brackets and fire extinguishers from single source from single manufacturer.
- B. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect.
 - 1. Identify bracket-mounted fire extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to mounting surface.
 - a. Orientation: Vertical.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine fire extinguishers for proper charging and tagging.
 - 1. Remove and replace damaged, defective, or undercharged fire extinguishers.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

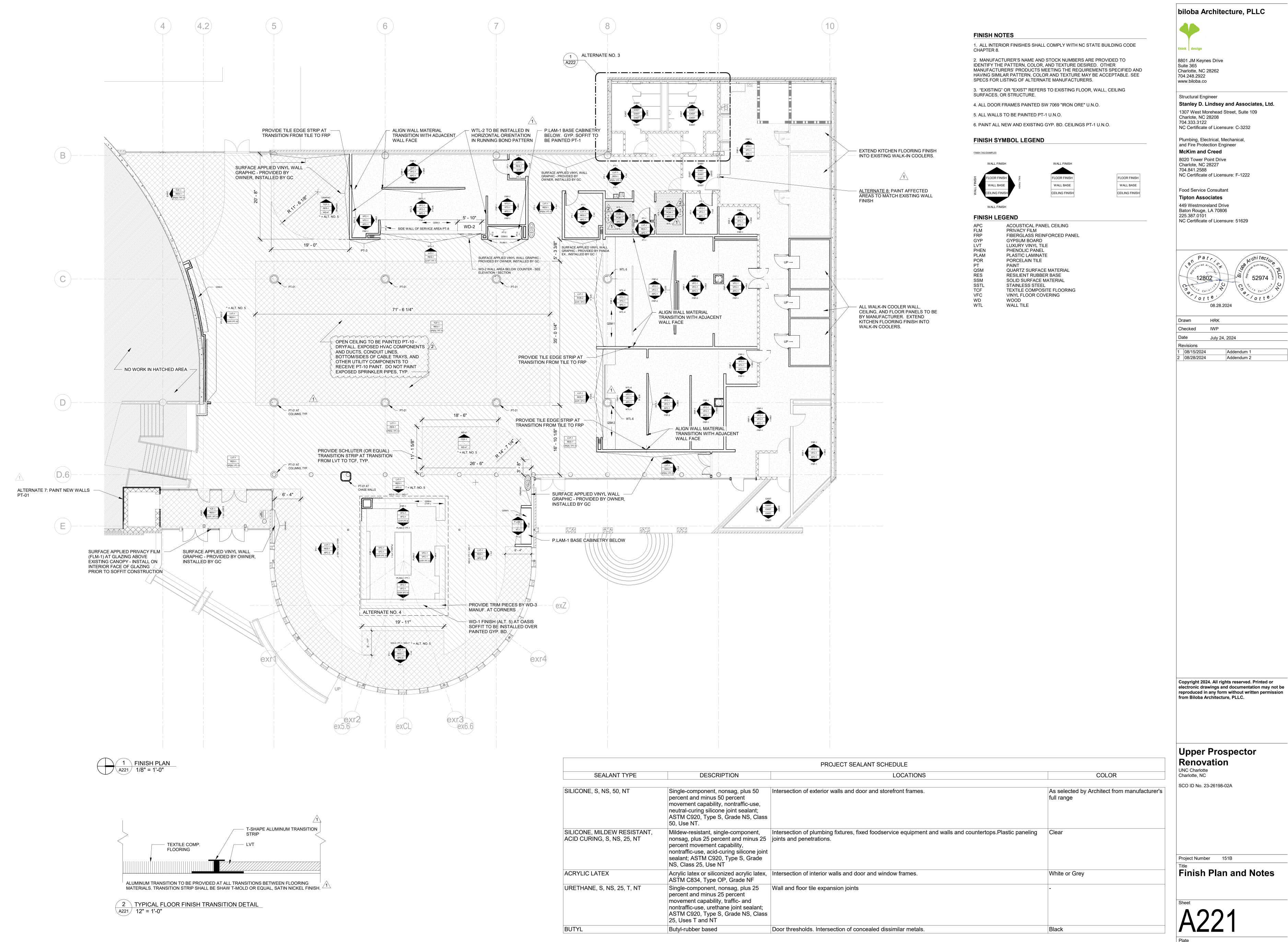
UPPER PROSPECTOR RENOVATION

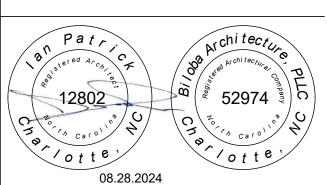
3.2 INSTALLATION

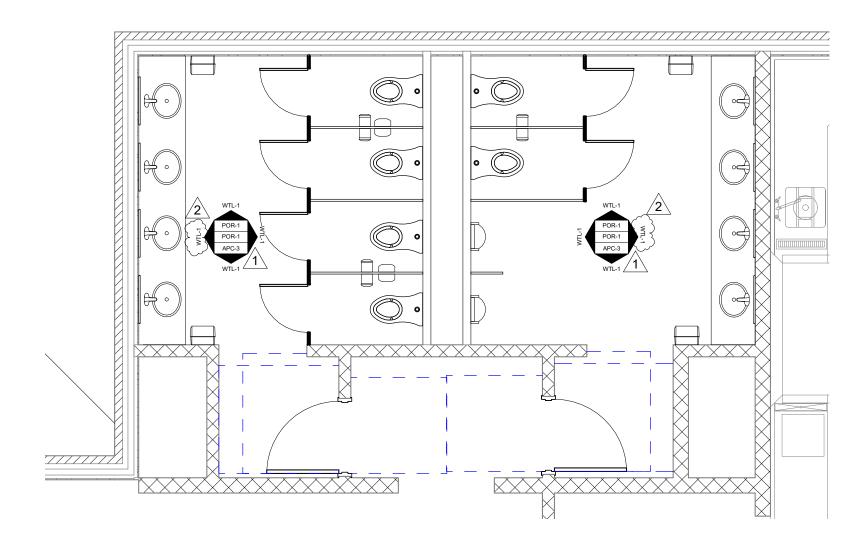
- A. General: Install fire extinguishers and mounting brackets in locations indicated and in compliance with requirements of authorities having jurisdiction.
- B. Mounting Brackets: Fasten mounting brackets to surfaces, square and plumb, at locations indicated.
 - 1. Mounting Height: Top of fire extinguisher to be at 42 inches above finished floor.

END OF SECTION

FIRE EXTINGUISHERS *Addendum No. 2 104416 - 3







1 FINISH PLAN - RESTROOMS - ALT. NO 3
1/4" = 1'-0"

FINISH NOTES

1. ALL INTERIOR FINISHES SHALL COMPLY WITH NC STATE BUILDING CODE CHAPTER 8.

2. MANUFACTURER'S NAME AND STOCK NUMBERS ARE PROVIDED TO IDENTIFY THE PATTERN, COLOR, AND TEXTURE DESIRED. OTHER MANUFACTURERS' PRODUCTS MEETING THE REQUIREMENTS SPECIFIED AND HAVING SIMILAR PATTERN, COLOR AND TEXTURE MAY BE ACCEPTABLE. SEE SPECS FOR LISTING OF ALTERNATE MANUFACTURERS.

3. "EXISTING" OR "EXIST" REFERS TO EXISTING FLOOR, WALL, CEILING SURFACES, OR STRUCTURE.

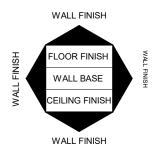
4. ALL DOOR FRAMES PAINTED SW 7069 "IRON ORE" U.N.O.

5. ALL WALLS TO BE PAINTED PT-1 U.N.O.

6. PAINT ALL NEW AND EXISTING GYP. BD. CEILINGS PT-1 U.N.O.

FINISH SYMBOL LEGEND

FINISH TAG EXAMPLES





FLOOR FINISH WALL BASE CEILING FINISH

FINISH LEGEND

AB	ACOUSTICAL BAFFLE	PHEN	PHENOLIC PANEL	SSM	SOLID SURFACE MATERIAL
APC	ACOUSTICAL PANEL CEILING	PLAM	PLASTIC LAMINATE	SSTL	STAINLESS STEEL
FLM	PRIVACY FILM	POR	PORCELAIN TILE	TCF	TEXTILE COMPOSITE FLOORING
FRP	FIBERGLASS REINFORCED PANEL	PT	PAINT	VFC	VINYL FLOOR COVERING
GYP	GYPSUM BOARD	QSM	QUARTZ SURFACE MATERIAL	WD	WOOD
I \/T	LLIXLIRY VINYL TILE	RES	RESILIENT RUBBER BASE	WTI	WALLTILE

WALL FINISH (CONTINUED):

MATERIAL: COMPOSITE BAMBOO WOOD

	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW7004	
	COLOR: SNOWBOUND GLOSS: EGGSHELL	
-2	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6454 COLOR: SHAMROCK GLOSS: EGGSHELL	
-3	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW7069 COLOR: IRON ORE GLOSS: EGGSHELL	
4	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6230 COLOR: RAINSTORM GLOSS: EGGSHELL	
5	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6228 COLOR: REFUGE GLOSS: EGGSHELL	
-6	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6226 COLOR: LANGUID BLUE GLOSS: EGGSHELL	
-7	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6224 COLOR: MOUNTAIN AIR GLOSS: EGGSHELL	
-8	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6911 COLOR: CONFIDENT YELLOW GLOSS: SATIN	
-9	MATERIAL: PAINT MANUFACTURER: BENJAMIN MOORE PRODUCT NO: #147 COLOR: FRUITY COCKTAIL GLOSS: SATIN	
P-1	MATERIAL: FIBERGLASS REINFORCED PANEL MANUFACTURER: CRANE PRODUCT NO: GLASBORD COLOR: WHITE (85) FINISH: PEBBLED EMBOSSED	
P-2	MATERIAL: FIBERGLASS REINFORCED PANEL MANUFACTURER: CRANE PRODUCT NO: VARIETEX COLOR: SUGARLOAF SAND (1294)	
TL-1	FINISH: SANDSTONE TEXTURE MATERIAL: CERAMIC WALL TILE MANUFACTURER: DALTILE PRODUCT NO: COLOR WHEEL CLASSIC COLOR: ARCTIC WHITE 0190	
-L-2	FINISH: SEMI-GLOSS SIZE: 3" x 6" MATERIAL: CERAMIC WALL TILE MANUFACTURER: BEDROSIANS PRODUCT NO: TRADITIONS BEVELED GLOSSY TILE COLOR: ICE WHITE FINISH: GLOSSY	
L-3	SIZE: 3" x 6" MATERIAL: CERAMIC WALL TILE	
L-3	MANUFACTURER: DALTILE PRODUCT NO: REVALIA REMIX COLOR: FELICITY WHITE RV26 FINISH: GLOSS SIZE: 3" MOSAIC SHEET	
L-4	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: FOREST PARK COLOR: SUMMERTREE FP95 FINISH: MATTE SIZE: 9" x 36"	
¯L-5	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: BEDROSIANS PRODUCT NO: SAHARA 100001064 COLOR: DARK FINISH: MATTE	
L-6	SIZE: 1" x 12" MOSAIC SHEET MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: MODERN DIMENSIONS, 2-1/8" x 8-1/2" COLOR: 0790 - MATTE ARCTIC WHITE FINISH: MATTE SIZE: 2 1/8" x 8 1/2"	
L-7	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: BEDROSIANS PRODUCT NO: LE CAFE CROSS & STAR COLOR: WHITE FINISH: MATTE	
L-8	SIZE: 2" x 2" MOSAIC SHEET MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: ACREAGE COLOR: STETSON STACKED AC13 FINSH: MATTE	
TL-1	SIZE: 1" x 24" MOSAIC SHEET MATERIAL: STAINLESS STEEL WALL PANELS MANUFACTURER: TBD PRODUCT NO: MODERN DIMENSIONS, 2-1/8" x 8-1/2" STYLE: 18 GAUGE - RESTAURANT GRADE SHEETS	
M-1	MATERIAL: PRIVACY FILM MANUFACTURER: 3M PRODUCT NO: FASARA COLOR: GLACE (SH2MAGL)	
)-1	MATERIAL: 1x4 MDF BOARDS - DOUBLE LAYER MANUFACTURER: PRODUCT NO: STYLE: SMOOTH FACE / PAINT GRADE FINISH: PAINT; VARIES: PT-4, PT-5, PT-6, PT-7	
)-2	MATERIAL: FLOORING BOARDS MANUFACTURER: BELLA CERA FLOORS PRODUCT NO: MCGV490LCF	

	MANUFACTURER: LAMBOO PRODUCT NO: LAMBOO STRUCTURE SERIES STYLE: 3/4" x 5-1/2" LAMSTOCK-VSP-SOLID PLY	
WD-4	FINISH: NATURAL (SEALED) MATERIAL: COMPOSITE BAMBOO WOOD MANUFACTURER: LAMBOO PRODUCT NO: LAMBOO STRUCTURE SERIES STYLE: 1-1/2" x 5-1/2" LAMSTOCK-VSP-SOLID PLY	_
WD-5	FINISH: NATURAL (SEALED) MATERIAL: DECORATIVE MDF PANEL MANUFACTURER: ARCHITECTURAL SYSTEMS, INC. PRODUCT NO: WPFSN202 (CHIZEL WOOD PANEL) STYLE: 3/4" x 4'-0" x 8'-0" PANELS FINISH: POLYURETHANE BY GC	
WD-6	MATERIAL: DECORATIVE WOOD PANEL MANUFACTURER: ARCHITECTURAL SYSTEMS, INC. PRODUCT NO: WPVEP140 (HYBRID BARN WOOD PANELS - VINTAGE) STYLE: 3/8" x 14" x 44" PANELS FINISH: UNFINISHED	_
	R FINISH:	
LVT-1	MATERIAL: LUXURY VINYL TILE MANUFACTURER: INTERFACE PRODUCT NO: SHANTUNG SILK COMPLEX COLLECTION COLOR: A02706 DAHLIA (1/3)	
TCF-1	MATERIAL: TEXTILE COMPOSITE FLOORING MANUFACTURER: J&J FLOORING PRODUCT NO: KINETIX - TRI-PLEX II COLOR: 2294 TENORS SIZE: 24" x 24" (ASHLAR PATTERN)	_
POR-1	MATERIAL: PORCELAIN FLOOR TILE MANUFACTURER: CROSSVILLE PRODUCT NO: NOTORIOUS COLOR: NTR06 FILM NOIR - UNPOLISHED SIZE: 24" x 24"	_
VFC-1	MATERIAL: VINYL FLOOR COVERING MANUFACTURER: PROTECT-ALL FLOORING PRODUCT NO: DESIGNER SERIES COLOR: GRAPHITE ULTRA MATTE	_
WALL I	BASE:	
RES-1	MATERIAL: RESILIENT RUBBER BASE MANUFACTURER: JOHNSONITE PRODUCT NO: THERMOSET RUBBER (TYPE TS) COLOR: 63 BURNT UMBER B SIZE: 4"	_
POR-1	MATERIAL: PORCELAIN TILE BASE MANUFACTURER: CROSSVILLE PRODUCT NO: NOTORIOUS COLOR: NTR06 FILM NOIR - UNPOLISHED SIZE: 6" x 12"	_
POR-2	MATERIAL: PORCELAIN TILE BASE MANUFACTURER: DALTILE PRODUCT NO: COLOR WHEEL CLASSIC BASE COLOR: MATTE BLACK - K711 SIZE: 6" x 6"	_
VFC-1	MATERIAL: VINYL FLOOR COVERING MANUFACTURER: PROTECT-ALL FLOORING PRODUCT NO: DESIGNER SERIES COLOR: GRAPHITE ULTRA MATTE SIZE: INTEGRATED - EXTEND 6" UP WALL FACE	_
CEILIN	G FINISH:	
APC-1	MATERIAL: ACOUSTICAL PANEL CEILING MANUFACTURER: USG PRODUCT NO: KITCHEN LAY-IN PANELS (CLIMAPLUS) COLOR: FLAT WHITE 050 SIZE: 2' x 2' x 5/8" (2' x 4' x 5/8" AT EXIST. 2x4 CEILING); SQUARE EDGE	
APC-2	MATERIAL: ACOUSTICAL PANEL CEILING MANUFACTURER: USG PRODUCT NO: HALCYON ECO ACOUSTICAL PANELS COLOR: FLAT WHITE 050 SIZE: 4' x 4' x 1"	_ _
APC-3	MATERIAL: ACOUSTICAL PANEL CEILING MANUFACTURER: USG PRODUCT NO: MARS CEILING PANELS (CLIMAPLUS) COLOR: FLAT WHITE 050 SIZE: 2' x 2' x 3/4"; SQUARE EDGE	<u> </u>
AB-1	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 11 SIZE: VARIES	2
AB-2	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 5 SIZE: VARIES	
AB-3	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 13 SIZE: VARIES	
AB-4	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: FG2302 (ANTIBACTERIAL PANEL) SIZE: VARIES	
AB-5	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: BARREL OAK WL02 SIZE: VARIES	, ·
AB-6	MATERIAL: ACOUSTICAL CEILING PANEL MANUFACTURER: ALTISPACE PRODUCT NO: ACOUSTICAL FINS COLOR: BARREL OAK WL02 SIZE: VARIES	2

GYP MATERIAL: GYPSUM BOARD

MANUFACTURER: TBD

PRODUCT NO: TYPE X

COLOR: PAINT AS SCHEDULED

MATERIAL: PAINT - DRYFALL MANUFACTURER: SHERWIN-WILLIAMS

PRODUCT NO: SW7004 COLOR: SNOWBOUND GLOSS: EGGSHELL

	ORK / COUNTERTOPS:	
PLAM-1	MATERIAL: PLASTIC LAMINATE MANUFACTURER: FENIX PRODUCT NO: J0793 COLOR: GRIGIO ARAGONA FINISH: MATTE	
PLAM-2	MATERIAL: PLASTIC LAMINATE MANUFACTURER: FENIX PRODUCT NO: J0792 COLOR: BLU SHABA FINISH: MATTE	
PHEN-1	MATERIAL: PHENOLIC PANEL MANUFACTURER: FORMICA PRODUCT NO: FORMICA COMPACT COLOR: 909-58 BLACK	
QSM-1	MATERIAL: QUARTZ SURFACE MATERIAL - 2cm MANUFACTURER: DALTILE PRODUCT NO: OQ03 COLOR: BROADWAY BLACK	
QSM-2	MATERIAL: QUARTZ SURFACE MATERIAL - 2cm MANUFACTURER: CORIAN COLOR: SNOW DRIFT	
QSM-3	MATERIAL: QUARTZ SURFACE MATERIAL - 2cm MANUFACTURER: CORIAN COLOR: GRAPHITE	
QSM-4	MATERIAL: QUARTZ SURFACE MATERIAL - 2cm MANUFACTURER: CORIAN COLOR: ETHEREAL WHITE	
QSM-5	MATERIAL: QUARTZ SURFACE MATERIAL - 3cm MANUFACTURER: CORIAN COLOR: STRATUS WHITE	

MATERIAL: SOLID SURFACE MATERIAL MANUFACTURER: CORIAN

COLOR: STONIQUE





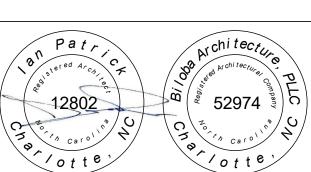
8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlote, NC 28208 704.333.3122

Plumbing, Electrical, Mechanical, and Fire Protection Engineer McKim and Creed 8020 Tower Point Drive Charlote, NC 28227 704.841.2588 NC Certificate of Licensure: F-1222

NC Certificate of Licensure: C-3232

Food Service Consultant Tipton Associates 449 Westmoreland Drive Baton Rouge, LA 70806 225.387.0101 NC Certificate of Licensure: 51629



10	08.28.2024	otte
Drawn	HRK	
Checked	IWP	
Date	July 24, 2024	
Revisions		

1 08/15/2024 08/28/2024

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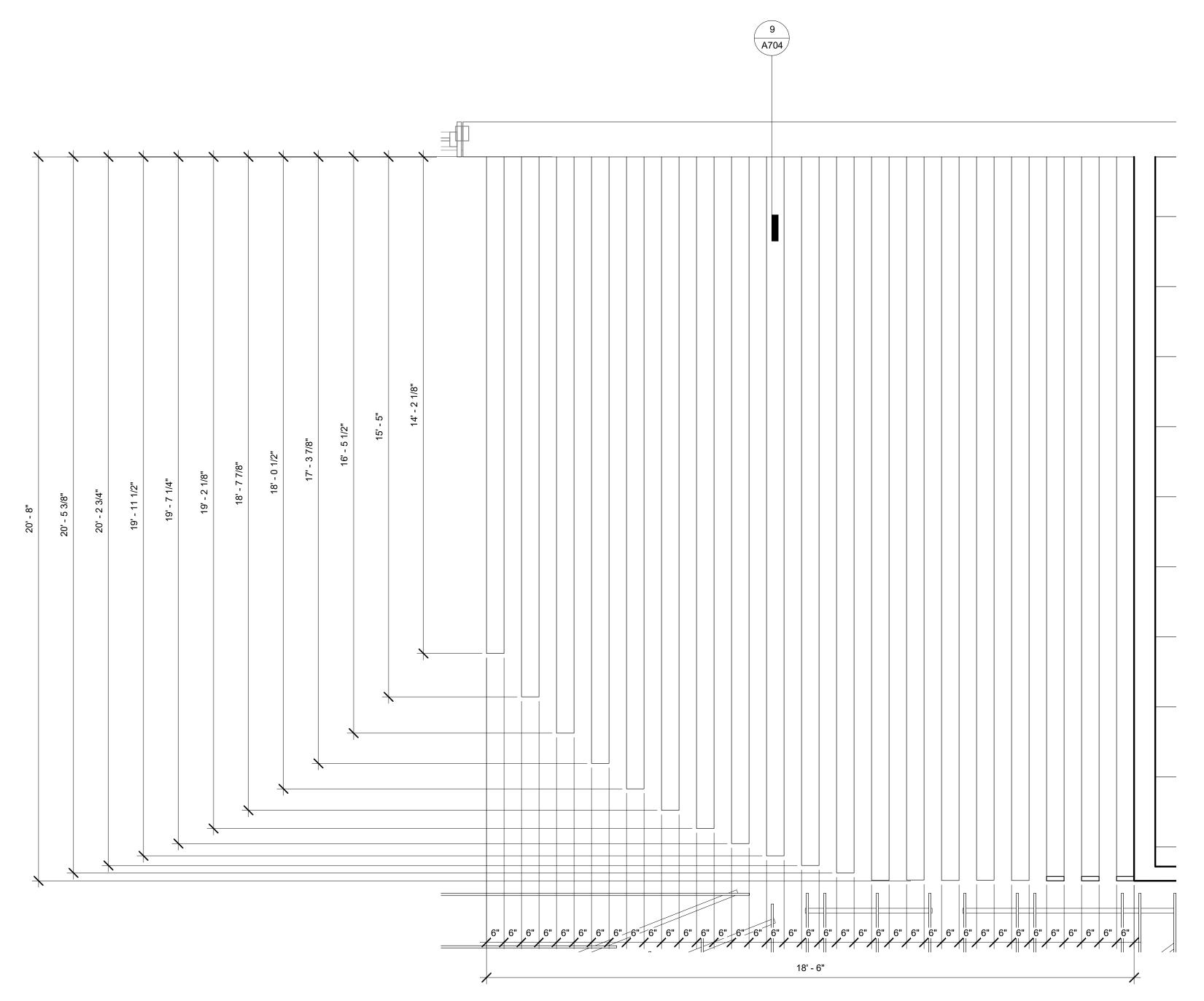
Upper Prospector Renovation

UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A

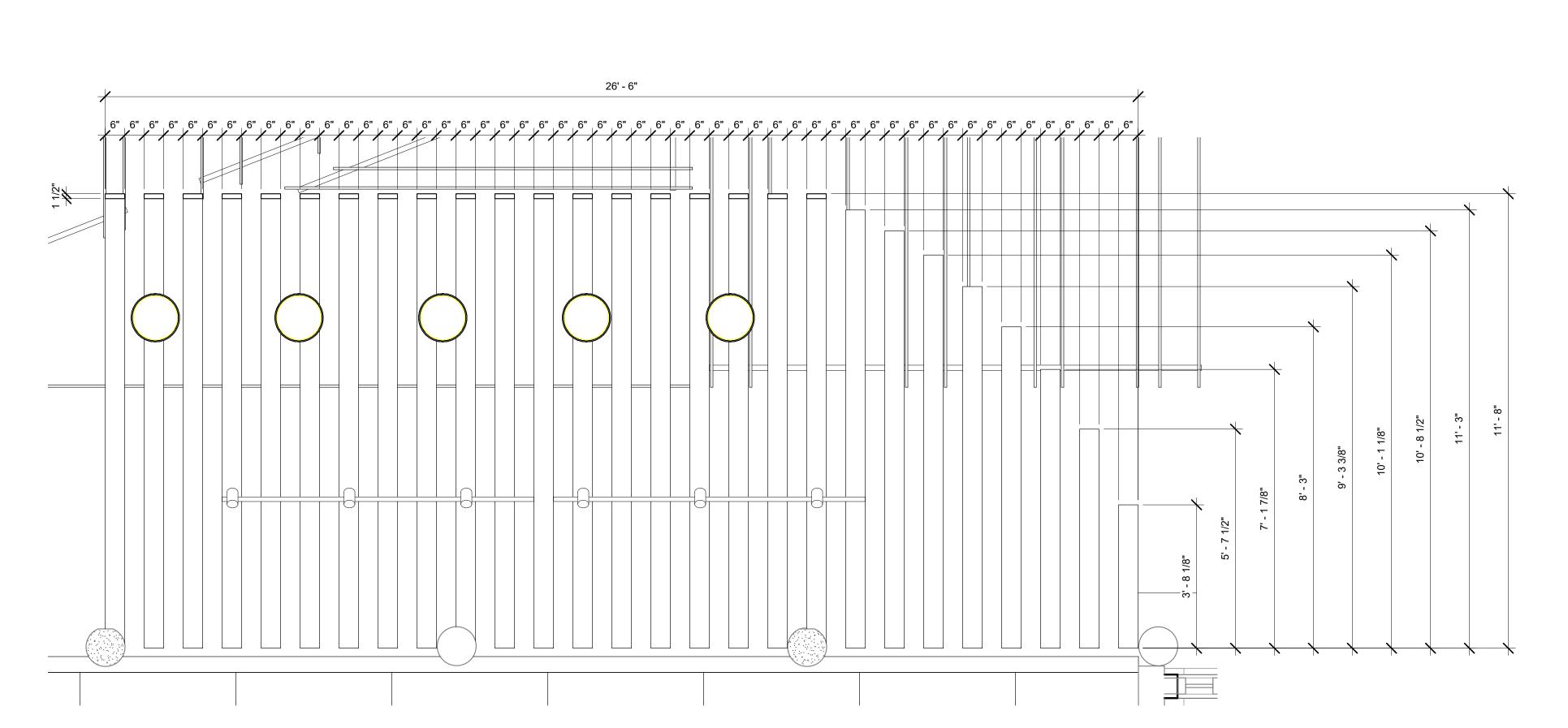
Project Number 151B

Finish Legend and Alt.
03 Finish Plan

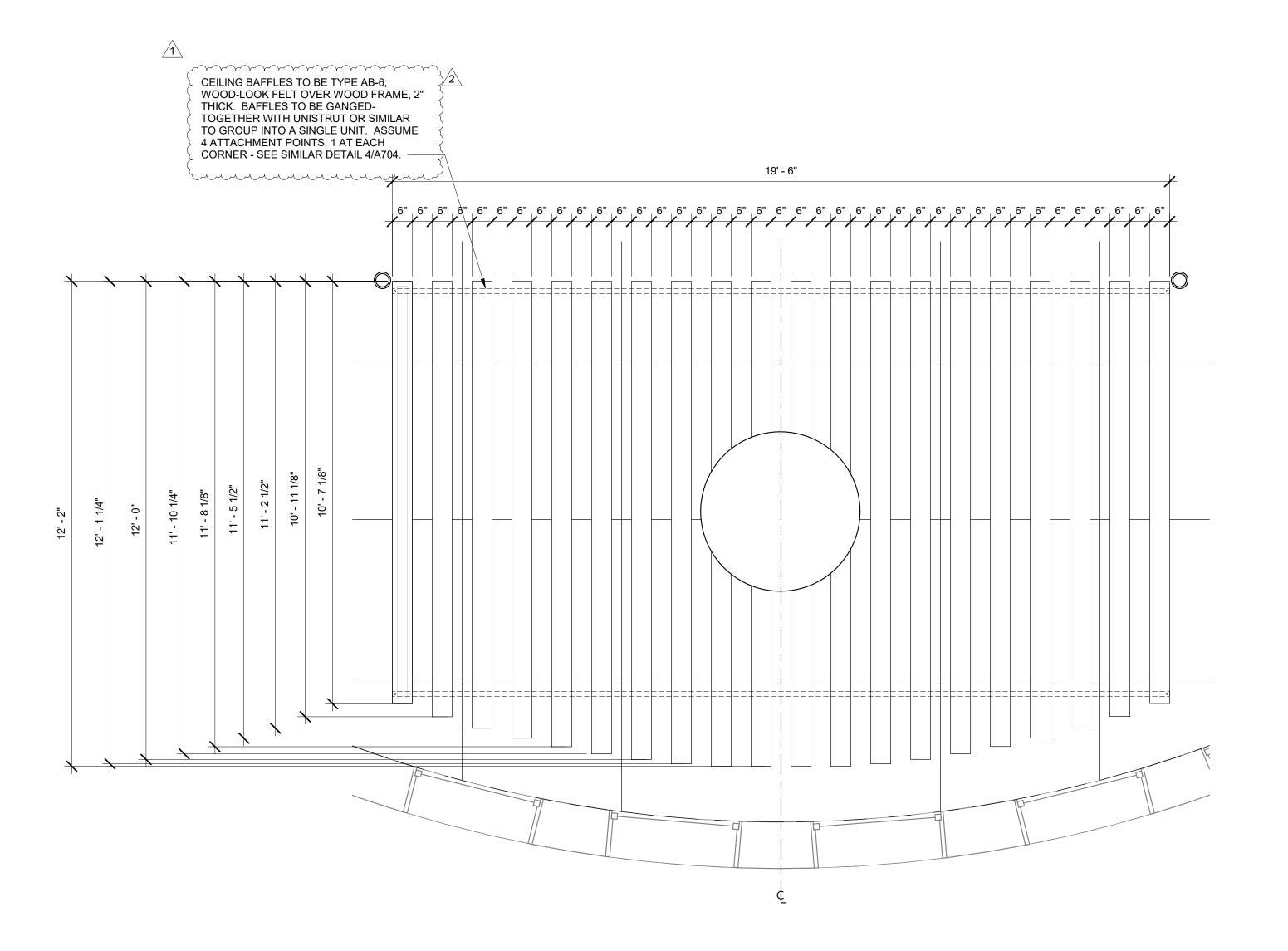




1 CEILING LOUVERS AT LOUNGE AREA NEAR HALAL SHACK (ALTERNATE 5) 1/2" = 1'-0"



2 CEILING LOUVERS AT LOUNGE AREA NEAR OASIS (ALTERNATE 5)
A603 1/2" = 1'-0"



3 CEILING BAFFLES AT OASIS - ALTERNATE 05
A603 1/2" = 1'-0"

biloba Architecture, PLLC



8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer

Stanley D. Lindsey and Associates, Ltd.

1307 West Morehead Street, Suite 109
Charlote, NC 28208
704.333.3122
NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical, and Fire Protection Engineer

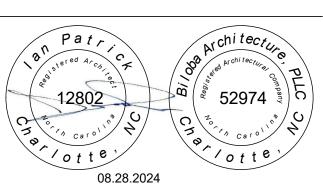
McKim and Creed

8020 Tower Point Drive
Charlote, NC 28227
704.841.2588
NC Certificate of Licensure: F-1222

Food Service Consultant

Tipton Associates

449 Westmoreland Drive
Baton Rouge, LA 70806
225.387.0101
NC Certificate of Licensure: 51629



	08.28.2024		
Drawn	NOR		
Checked	HRK		
Date	July 24, 2024		
Pavisions			

Revisions

1 08/15/2024 Addendum 1
2 08/28/2024 Addendum 2

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Upper Prospector Renovation UNC Charlotte Charlotte, NC

SCO ID No. 23-26198-02A

Project Number 151B

Ceiling Details

A603

FIRE PROTECTION GENERAL NOTES:

- 1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE A COMPLETE FIRE PROTECTION SYSTEM FOR THE PROPOSED PROJECT. THE SYSTEMS PROVIDED SHALL CONFORM TO THE DETAILS STATED IN THE SPECIFICATIONS AND SHOWN ON THE DRAWINGS. ITEMS OR WORK NOT SHOWN OR SPECIFIED, BUT REQUIRED FOR A COMPLETE FIRE PROTECTION SYSTEM, SHALL BE PROVIDED AND SHALL CONFORM TO ACCEPTED TRADE PRACTICES, LOCAL CODES, AND GOVERNING AUTHORITIES.
- 2. DO NOT SCALE DRAWINGS. BECAUSE OF THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS, VALVES OR SIMILAR ITEMS WHICH MAY BE REQUIRED TO MAKE A COMPLETE OPERATING SYSTEM. CAREFULLY INVESTIGATE CONDITIONS AFFECTING WORK. INSTALL WORK IN SUCH A MANNER THE INTERFERENCES BETWEEN PIPING, CONDUIT, DUCTS, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL FEATURES ARE AVOIDED. PROVIDE ITEMS THAT MAY BE REQUIRED TO MEET THE CONDITIONS AT THE BUILDING, WITHOUT ADDITIONAL COSTS TO THE OWNER.
- 3. SPRINKLER CONTRACTORS SHALL HAVE SUFFICIENT EXPERTISE (MINIMUM OF 5 YEARS) IN THE TYPE OF CONSTRUCTION TO REALIZE THE EXTENT OF THE WORK REQUIRED. THEREFORE, IT SHOULD BE OBVIOUS TO ANY PRUDENT FIRM WITH EXPERIENCE IN THIS FIELD THAT THESE DOCUMENTS MAY NOT EXPLICITLY DISCLOSE FINAL DETAILS. HOWEVER, CONTRACTORS SHALL HAVE THE EXPERTISE NECESSARY TO INCLUDE NECESSARY APPOINTMENTS.
- 4. FIRE PROTECTION BRANCH LINES SHALL BE SLOPED TO DRAIN BACK TO CROSS MAINS. THE CROSS MAINS SHALL BE SLOPED TO DRAIN BACK TO BULK MAINS OR MAIN RISER. INSTALL AUXILIARY DRAINS WHERE TRAPPED PIPING RUNS ARE UNAVOIDABLE. THE SPRINKLER SYSTEM SHALL BE FULLY DRAINABLE.
- 5. UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF FLOOR SLAB WITH SPACE FOR INSULATION AND HANGERS AS REQUIRED.
- 6. INSTALL PIPING SO THAT VALVES ARE ACCESSIBLE. VALVE STEMS SHALL BE VERTICAL, POINTING UP. ADJUST VALVES FOR SMOOTH AND EASY OPERATION.
- COORDINATE ALL WORK WITH WORK OF OTHER TRADES SHOWN ON OTHER DRAWINGS.
- 8. PROVIDE APPROVED FIREPROOFING AT ALL FLOOR AND WALL PENETRATIONS.
- 9. NO PIPING SHALL BE LOCATED IN ANY ELECTRICAL ROOMS, CLOSETS OR TELECOMMUNICATION ROOMS UNLESS
- THOSE PIPES SERVE ONLY THAT SPACE AND ARE INDICATED ON DRAWINGS UNLESS INDICATED OTHERWISE

 10. ALL VALVES AND EQUIPMENT IDENTIFICATION SHALL BE IN ACCORDANCE WITH ANSI STANDARD IDENTIFICATION SYSTEM. CONTRACTORS ARE RESPONSIBLE FOR ANY REQUIRED CROSS REFERENCE BETWEEN THESE DRAWINGS
- 11. COORDINATE THE EXACT LOCATION OF ALL FIRE PROTECTION EQUIPMENT AND DEVICES WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN AND INSTALLATION.
- 12. THE SPRINKLER CONTRACTOR SHALL COORDINATE EXACT PLACEMENT OF SPRINKLER HEADS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS.
- 13. VERIFY EXACT LOCATION OF EQUIPMENT AND PIPING CONNECTIONS IN FIELD.

AND SPECIFICATIONS AND OTHER DISCIPLINES.

- 14. FOLLOW THE FIRE PROTECTION INSTALLATION REQUIREMENTS BASED UPON THE 2013 EDITION OF NFPA 13, NFPA 14, NFPA 20, AND 2018 NORTH CAROLINA BUILDING CODES.
- 15. CONTRACTOR SHALL HYDRAULICALLY DESIGN THE SPRINKLER SYSTEM BASED ON THE WATER FLOW AND HYDRAULIC PRESSURE PROJECTED FOR SCOPE OF WORK. THE WORK INDICATED ON THE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. FINAL SPACING AND LOCATIONS FOR THE SPRINKLER HEADS, PIPE SIZING, AND PIPE ROUTING WILL BE BY THE SPRINKLER CONTRACTOR AND VERIFIED BY HYDRAULIC CALCULATIONS.
- 16. DESIGN STANDARDS: CURRENT EDITION OF IBC, NORTH CAROLINA BUILDING CODE 2018, NORTH CAROLINA FIRE PREVENTION CODE, NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPES AND HOSE SYSTEMS, LOCAL AUTHORITY HAVING JURISDICTION, AND CURRENT INSURANCE CARRIER STANDARDS AND RECOMMENDATIONS.
- 17. INSURANCE CARRIER: THE SPRINKLER CONTRACTOR SHALL VERIFY PROVIDER WITH THE GENERAL CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.
- 18. ALL SYSTEM COMPONENTS SHALL BE UL LISTED AND FM APPROVED.
- 19. THE SPRINKLER CONTRACTOR SHALL SUBMIT THREE (3) COPIES OF DRAWINGS AND CALCULATIONS TO THE INSURANCE CARRIER AND LOCAL AUTHORITY OF JURISDICTION FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- 20. THE FIRE PROTECTION DRAWINGS SHOW THE GENERAL INTENT OF THE FIRE SUPPRESSION SYSTEM. THE SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE AND PROVIDE A FULLY SPRINKLED BUILDING AND SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE PIPE RUNS AND SPRINKLER HEAD LOCATIONS INDICATED ON THE DRAWINGS TO COORDINATE WITH ALL TRADES WHILE MEETING ALL STATE OF NORTH CAROLINA CODE REQUIREMENTS.
- 21. THE SPRINKLER CONTRACTOR SHALL ENSURE AN INSPECTORS TEST CONNECTION ON THE FLOOR AT THE HYDRAULICALLY MOST REMOTE BRANCH LINE OR AT THE MAIN SYSTEM RISER IN ACCORDANCE WITH NFPA 13, SECTION A.8.16.4.2 OR OTHER AUTHORITY HAVING JURISDICTION.
- 22. THE SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO ORDERING OR PURCHASING ANY FIRE PROTECTION EQUIPMENT. SUBMITTALS SHALL CONTAIN SPRINKLER DRAWINGS, CALCULATIONS, MATERIALS AND ACCESSORIES.
- 23. THE SPRINKLER CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS WITH ALL TRADES PRIOR TO COMMENCEMENT OF WORK.
- 24. ALL SPRINKLER PIPING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE, PIPES SHALL NOT SUPPORT FROM CEILING TILES, CEILING SUPPORT STRUCTURES, OR OTHER PIPES.
- 25. THE SPRINKLER CONTRACTOR SHALL PROVIDE A STORAGE CABINET LOCATED WITHIN THE TENANT SPACE WITH THE SPARE NUMBER AND EACH TYPE OF SPRINKLER HEAD AND RELATED WRENCH AS REQUIRED IN THE LATEST EDITION OF NFPA 13. THE CABINET SHALL BE CLEARLY IDENTIFIED.
- 26. THE SPRINKLER CONTRACTOR SHALL PROVIDE ANY NECESSARY FIRE STOPPING MATERIALS I.E., SEALANTS OR CAULKING AS REQUIRED IN THE DESIGN FOR THE SYSTEM.
- 27. THE SPRINKLER SYSTEM SHALL BE TESTED UPON COMPLETION TO THE REQUIREMENTS OF NFPA-13 AND TO ANY OTHER AUTHORITY HAVING JURISDICTION (THE MOST STRINGENT SHALL BE APPLICABLE).
- 28. SEISMIC REQUIREMENTS APPLY TO THIS PROJECT. HANGING, BRACING, AND RESTRAINT OF FIRE SPRINKLER PIPING WITHIN THE SCOPE OF WORK SHALL BE IN ACCORDANCE WITH SECTION 9.3 OF NFPA 13. SHOP DRAWINGS MUST INCLUDE DETAILS AND SIGNIFY APPROXIMATE LOCATIONS OF ALL SEISMIC BRACING. CALCULATIONS AND LAYOUT OF RESTRAINTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH SHOP DRAWINGS.

FIRE PROTECTION SPECIFICATION - GENERAL HYDRAULIC CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH NFPA 13, CHAPTER 22.

- A SAFETY FACTOR TO ACCOUNT FOR FLUCTUATIONS IN WATER SUPPLY, THE DESIGN CALCULATIONS SHALL BE BASED ON AN AVAILABLE WATER SUPPLY OF 10 PSI LESS STATIC PRESSURE, 10 PSI LESS RESIDUAL PRESSURE AND 10% LESS RESIDUAL FLOW THAN MEASURED - PER SCO REQUIREMENTS.
- THE SPRINKLER AND STANDPIPE RISERS SHALL ACCOMMODATE BOTH THE SPRINKLER AND STANDPIPE HOSE STREAM FLOWS. EACH RISER SHALL ACCOMMODATE 250 GALLONS PER MINUTE FLOW FOR STANDPIPE HOSE
- 4. SPRINKLERS SHALL BE FM APPROVED AND SHALL NOT INCLUDE "O-RING" SEALS.
- 5. SPRINKLER HEADS LOCATED IN AREAS OF IMPACT SHALL BE PROVIDED WITH PROTECTIVE WIRE GUARDS LISTED FOR USE WITH THE MODEL OF SPRINKLER.
- 6. QUICK-RESPONSE SPRINKLERS MAY BE USED IN LIGHT AND ORDINARY HAZARD APPLICATIONS FOR THE QUICK RESPONSE HYDRAULIC DESIGN AREA REDUCTION PER NFPA 13 FOR UTILIZING QUICK RESPONSE HEADS.
- PIPING FOR WET SYSTEMS 2 INCHES AND UNDER SHALL BE: SCHEDULE 40 PIPING, BLACK STEEL, SEAMLESS, ASTM 53/A, GRADE B, WITH THREADED OR VICTAULIC ENDS.
- 8. FITTINGS: MALLEABLE IRON OR CAST IRON SCREWED, ASTM-A-47 AND ASME B-16.3
- PIPING 2-1/2 INCHES AND ABOVE: SCHEDULE 10 PIPING, SEAMLESS, BLACK STEEL, ROLL GROOVED, ASTM-A-135, WITH GROOVED MECHANICAL JOINTS AND FITTING FROM THE SAME MANUFACTURER, UL LISTED AND FM APPROVED FOR FIRE SERVICE.
- 10. ALL NEW SPRINKLER PIPING SHALL BE UNPAINTED.

HANGER INSTALLATION REQUIREMENTS									
	MAXIMUM DISTANCE BETWEEN HANGERS								
NOMINAL PIPE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"
SCH. 40 GALV. STEEL	5' 6"	6' 0"	6' 6"	7' 0"	8' 0"	9' 0"	10' 0"	N/A	N/A
THREADABLE LIGHTWALL	N/A	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	N/A	N/A
STEEL PIPE (10/ 40)	N/A	12' 0"	12' 0"	15' 0"	15' 0"	15' 0"	15' 0"	15' 0"	15' 0"

THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE

SHALL NOT EXCEED 36" FOR 1" PIPE, 48" FOR 1 1/4" PIPE AND 60" FOR 1 1/2" PIPE OR LARGER.

TRAPEZE INSTALLATION REQUIREMENTS									
SPAN OF TRAPEZE		NOMINAL PIPE SIZE SUPPORTED							
(Schedule 10)	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	
1 FT. 6 IN.	1"	1"	1"	1"	1"	1"	1-1/4"	1-1/4"	
2 FT. 0 IN.	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	
2 FT. 6 IN.	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	
3 FT. 0 IN.	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	
4 FT. 0 IN.	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"	
5 FT. 0 IN.	2"	2"	2"	2"	2"	2"	2-1/2"	2-1/2"	
6 FT. 0 IN.	2"	2"	2"	2"	2"	2-1/2"	2-1/2"	3"	
7 FT. 0 IN.	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	
8 FT. 0 IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	
9 FT. O IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	4"	
10 FT. 0 IN.	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	4"	

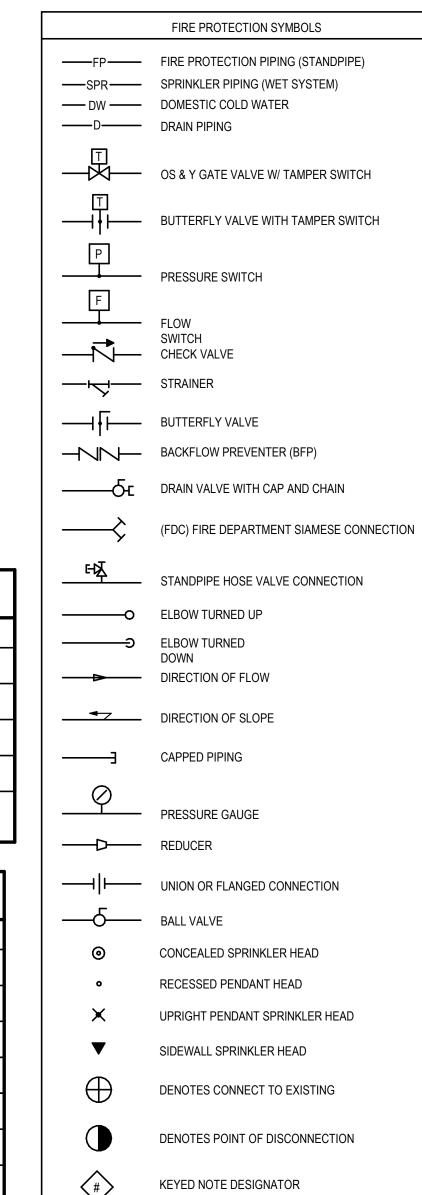
SPRINKLER DESIGN DATA								
PROJECT ADDRESS: 29	10 UNIVERSITY CITY BLVD., CHARLOTTE, NC	SYSTEM: WET						
# OF FLOORS: 2	OCCUPANCY: ORDINARY HAZARD	CEILING HEIGHT: VARIES						

HYDRANT FLOW TEST DATA

DATE OF TEST: 2024-07-11 TIME OF TEST: 10:22:01

TEST PERFORMED BY: Charlotte Fire Department

	FLOW HYDRANT	PRESSURE HYDRANT
LOCATION	9112 North Library Ln, Charlotte NC Hydrant #158619 and 158620	
STATIC PRESSURE (PSI)		48
RESIDUAL PRESURE (PSI)		37
FLOW OBSERVED (GPM)	822	



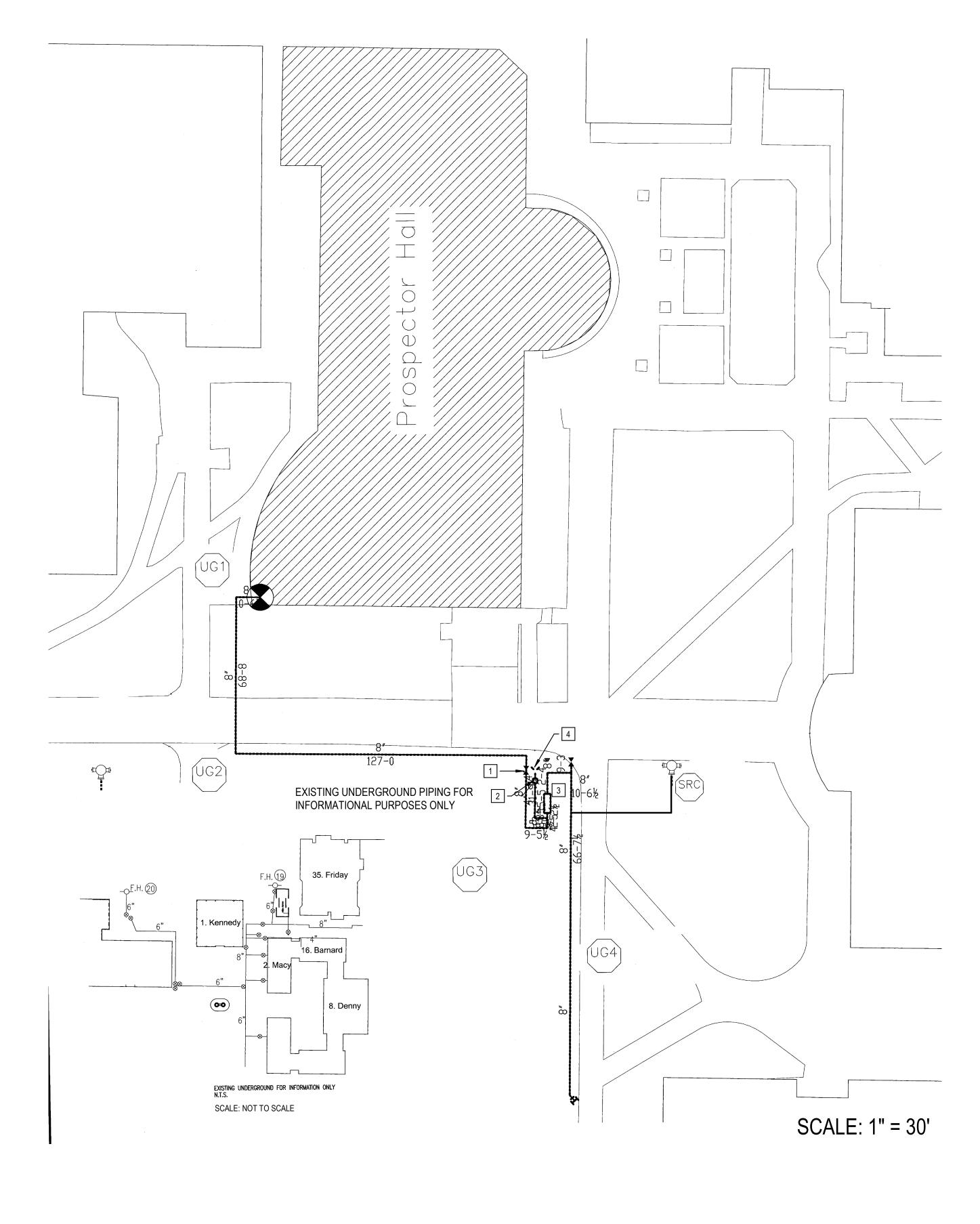
KEYED NOTES

1. EXISTING 8" POST INDICATOR VALVE WITH TAMPER SWITCH.

2. 4" CHECK VALVE WITH BALL DRIP IN PRECAST CONCRETE VAULT.

4. EXISTING FREE-STANDING FDC SERVING PROSPECTOR BUILDING.

3. EXISTING 8" RPZ WITH TAMPER SWITCHES IN HEATED ENCLOSURE ABOVE GROUND.



biloba Architecture, PLLC



8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlotte, NC 28208 704.333.3122

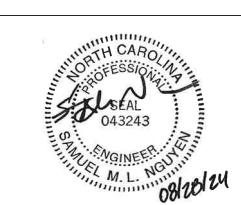
Plumbing, Electrical, Mechanical, and Fire Protection Engineer

McKim and Creed

8020 Tower Point Drive
Charlotte, NC 28227
704.841.2588
NC Certificate of Licensure: F-1222

NC Certificate of Licensure: C-3232

Food Service Consultant **Tipton Associates**449 Westmoreland Drive
Baton Rouge, LA 70806
225.387.0101
NC Certificate of Licensure:



			08/20/24			
D	rawn	JMW				
С	hecked	TDR				
Date		July 24	July 24, 2024			
R	evisions					
1	08/15/24		Addendum 1			
2	08/28/24		Addendum 2			

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Upper Prospector Renovation UNC Charlotte

McKim & Creed Project No. 07911-0005

Charlotte, NC
SCO ID No. 23-26198-02A

Project Number 151B

Title
FIRE PROTECTION DATA SHEET

F U

1 LEVEL 02 - FIRE PROTECTION - NEW WORK PLAN

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

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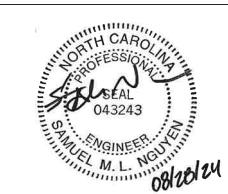
8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

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NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical, and Fire Protection Engineer McKim and Creed 8020 Tower Point Drive Charlotte, NC 28227 704.841.2588 NC Certificate of Licensure: F-1222

Food Service Consultant Tipton Associates 449 Westmoreland Drive Baton Rouge, LA 70806 225.387.0101 NC Certificate of Licensure:



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	Drawn	JMW
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	Date	July 24, 2024

Da	ile	July 24,	2024
Re	visions		
1	08/15/24		Addendum 1
2	00/20/24		Addondum 2

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Upper Prospector Renovation

UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Project Number 151B

WALL RATING LEGEND

2-HOUR RATED WALL

1-HOUR RATED WALL

FIRE PROTECTION -**NEW WORK PLAN**

1 LEVEL 02 - PLUMBING - PRESSURE - NEW WORK PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. PLUMBING CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, PIPING, CONDUIT, VALVES, ETC AND COORDINATE WITH OTHER TRADES PRIOR TO PROVIDING PRICING.
- B. PLUMBING CONTRACTOR SHALL COORDINATE ANY SHUTDOWNS, INCLUDING WORK ABOVE FIRST FLOOR CEILING, A MINIMUM OF 2 WEEKS PRIOR WITH ARCHITECT AND FACILITIES REPRESENTATIVE.
- PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCPC 416.5 AND ASSE 1070. BASIS OF DESIGN SHALL BE SYMMONS 8210CK OR APPROVED EQUAL. MAXIMUM DISCHARGE TEMPERATURE, 110°F.
- D. PROVIDE MINIMUM 25/50 FLAME/SMOKE SPREAD RATED MATERIALS FOR ALL WORK LOCATED IN RETURN AIR
- E. PROVIDE EVERY SERVICE MAIN, BRANCH MAIN, AND RISER WITH A SHUTOFF VALVE. VALVE SHALL BE EASILY ACCESSIBLE AND LABELED TO IDENTIFY ITS SERVICE.
- F. PROVIDE EXTENDED VALVE HANDLES AND STANDOFFS FOR ALL VALVE HANDLES INSTALLED ON INSULATED
- G. EQUIPMENT IDENTIFIED ON THE FOOD SERVICE DRAWINGS SHALL BE PROVIDED, DELIVERED, ASSEMBLED AND SET BY OTHERS. ALL PIPING AND FINAL CONNECTIONS BY PC. PC IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL REQUIRED VALVES, TAIL PIECES, DRAIN FIXTURES/ASSEMBLIES, REGULATORS, BACK FLOW PREVENTERS, VACUUM BREAKERS, ETC REQUIRED TO MAKE THE FOOD SERVICE EQUIPMENT OPERATIONAL. SEE ALSO, FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.
- H. SEE FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

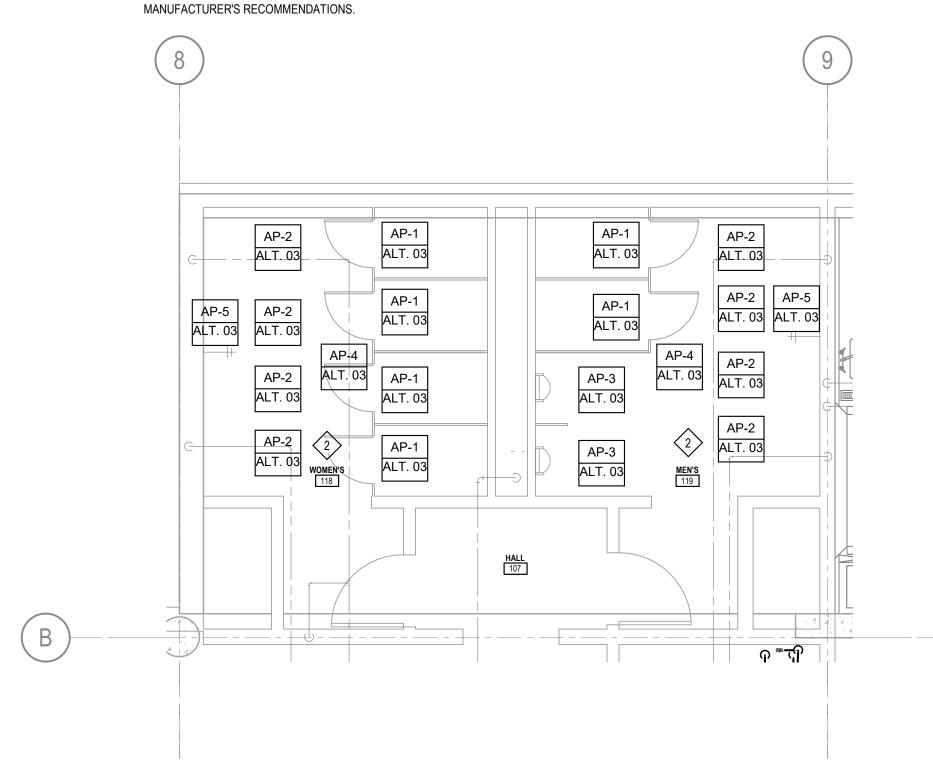
/# NEW WORK KEYED NOTES

FOR ADDITIONAL INFORMATION.

- INSTALL NEW THERMOSTATIC MIXING VALVE ABOVE CEILING AND CONNECT TO EXISTING TEMPERED WATER PIPING. SET MIXED WATER TEMPERATURE TO 110°F. SEE SCHEDULE, P001, FOR ADDITIONAL INFORMATION. 2. SEE ALTERNATE 03: PROVIDE ALL NEW FIXTURES, THIS SPACE INCLUDING WATER CLOSETS, LAVATORIES,
- URINALS, FLOOR DRAINS AND HOSE BIBBS. DEMOLISH EXISTING PIPING BACK TO MAIN. PROVIDE NEW PIPING SERVING THIS SPACE. SIZE AND ROUTING OF NEW PIPING SHALL MATCH EXISTING. WHERE EXISTING HANGERS AND SUPPORTS ARE NOT REUSED, DEMOLISH COMPLETE.
- 3. SEE DETAILED VIEWS FOR PIPE SIZING AND ADDITIONAL INFORMATION, THIS SPACE.
- PROVIDE CONNECTION FROM FILTRATION UNIT TO EQUIPMENT SERVED, SEE DETAIL VIEWS AND DETAILS SHEETS FOR ADDITIONAL INFORMATION. REFER TO FOOD SERVICE EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

4. 3/4" DCW WITH BACKFLOW PREVENTER TO WATER FILTRATION UNIT SERVING FOOD SERVICE EQUIPMENT. PC TO

- PLUMBING CONTRACTOR TO PROVIDE 6" PVC CONDUIT FOR BEVERAGE SYRUPS. COORDINATE EXACT ROUTING WITH FIELD CONDITIONS AND OTHER TRADES. DO NOT ROUTE ABOVE ELECTRICAL ROOM. DO NOT USE 90
- 6. PROVIDE DOMESTIC WATER BRANCH SERVING BEVERAGE SYRUPS WITH BACKFLOW PREVENTER TO WATER FILTER. COORDINATE LOCATION WITH FIELD CONDITIONS. REFER TO FOOD SERVICE EQUIPMENT SCHEDULE
- 7. PROVIDE TRAP PRIMER CONNECTION TO FLOOR SINK THIS AREA, SEE P211 FOR ADDITIONAL INFORMATION.
- 8. BASE BID: ROUTE DOMESTIC WATER MAINS TO OASIS AREA AND CAP FOR FUTURE CONNECTION. PROVIDE ISOLATION BALL VALVES AS SHOWN. ALTERNATE 04: ALL OASIS SCOPE OF WORK AS SHOWN ON THE PLANS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 9. PROVIDE BEVERAGE MACHINE WITH PRESSURE REDUCING VALVE, BASIS OF DESIGN: WATTS MODEL LF263A OR APPROVED EQUAL. SET PRESSURE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. WATER SUPPLY SHALL BE COPPER. SEE DETAILS FOR ADDITIONAL INFORMATION. SIZE SUPPLY LINE ACCORDING TO



		ALTERNATE 03 - PLUMBIN	G FIXTUF	RE SCHI	EDULE										
		EQUIPMENT	PLUMBING												
				SUPPLY		WASTE	VENT	NOTES							
ITEM	QTY	EQUIPMENT	FILTER COLD	COLD	НОТ	SIZE	SIZE								
AP-1	6	ADA WATER CLOSET, SEE WC-1 SHEET P001		1"		3"	2"	-							
AP-2	8	ADA LAVATORY, SEE L-1 SHEET P001		1/2"	1/2"	2"	1-1/2"	-							
AP-3	2	ADA URINAL, WALL HUNG		1"		2"	2"	SEE SPECIFICATIONS							
AP-4	2	FLOOR DRAIN, SEE FD-1 SHEET P001				4"	2"	-							
AP-5	2	HOSE BIBB, SEE HB-1 SHEET P001		3/4"				-							

WALL RATING LEGEND 2-HOUR RATED WALL 1-HOUR RATED WALL

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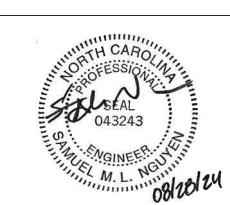
8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlotte, NC 28208 704.333.3122

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Food Service Consultant Tipton Associates 449 Westmoreland Drive Baton Rouge, LA 70806 225.387.0101 NC Certificate of Licensure:



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Da	ate	July 24,	2024
Re	evisions		
1	08/15/24		Addendum 1
2	08/28/24		Addendum 2

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Upper Prospector Renovation

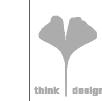
UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Project Number 151B

LEVEL 02 - PLUMBING -PRESSURE - NEW **WORK PLAN**

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8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlotte, NC 28208 704.333.3122

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NEW WORK KEYED NOTES

1. EXISTING VENT THROUGH ROOF TO REMAIN.

2. CONNECT EXISTING NATURAL GAS PIPING TO NEW EQUIPMENT.

3. CONNECT TO EXISTING NATURAL GAS PIPING AND ROUTE ALONG ROOF TO NEW EQUIPMENT. PROVIDE WITH PIPE SUPPORTS, MATCH EXISTING STYLE OF PIPE SUPPORTS.



TDR July 24, 2024

Addendum 2

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Upper Prospector Renovation UNC Charlotte Charlotte, NC

SCO ID No. 23-26198-02A McKim & Creed Project No. 07911-0005

PLUMBING - ROOF PLAN

1/8"=1'-0"

P300

GENERAL NOTES

A. SEE FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

B. PC IS RESPONSIBLE TO PROVIDE AND INSTALL ALL EQUIPMENT DRAIN PIPING FROM FOOD SERVICE EQUIPMENT TO ASSOCIATED FLOOR SINK. SEE VENDOR PROVIDED PLANS FOR ADDITIONAL INFORMATION, EQUIPMENT SCHEDULE AND SIZING.

C. REFER TO FOOD SERVICE PLANS FOR FINAL CONNECTION SIZES AND ROUGH-IN HEIGHT.

D. EQUIPMENT IDENTIFIED ON THE FOOD SERVICE DRAWINGS SHALL BE PROVIDED, DELIVERED, ASSEMBLED AN SET BY OTHERS. ALL PIPING AND FINAL CONNECTIONS BY PC. PC IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL REQUIRED VALVES, TAIL PIECES, DRAIN FIXTURES/ASSEMBLIES, REGULATORS, BACK FLOW PREVENTERS, VACUUM BREAKERS, ETC REQUIRED TO MAKE THE FOOD SERVICE EQUIPMENT OPERATIONAL. SEE ALSO, FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

E. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCPC 416.5 AND ASSE 1070. BASIS OF DESIGN SHALL BE SYMMONS 8210CK OR APPROVED EQUAL. MAXIMUM DISCHARGE TEMPERATURE, 110°F.

NEW WORK KEYED NOTES

1. GAS SHUTOFF SOLENOID VALVE SUPPLIED BY OTHERS, PC TO INSTALL, MC TO INTERLOCK WITH HOOD EXTINGUISHING SYSTEM. ACTUATION OF HOOD FIRE EXTINGUISHING SYSTEM SHALL AUTOMATICALLY SHUT DOWN FUEL SUPPLY TO THE COOKING EQUIPMENT. COORDINATE WITH DIVISION 26 FOR POWER SUPPLY AND DIVISION 23 FOR WIRING.

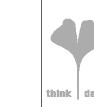
 PROVIDE THREE 3/4" CONNECTIONS FOR 40A. PROVIDE WITH BACKFLOW PREVENTOR AS REQUIRED. SEE FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

3. SEE FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION. PC TO PROVIDE BACK FLOW PREVENTOR AS REQUIRED.

4. 1-1/2" NATURAL GAS PIPING DOWN IN WALL. SOLENOID VALVE SHALL BE MOUNTED BELOW CEILING ON WALL.

SEE RISER DIAGRAM FOR SIZING AND ADDITIONAL INFORMATION. SEE FOOD SERVICE PLANS FOR EXACT ROUGH-IN HEIGHT/LOCATION FOR EQUIPMENT CONNECTION.

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8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer

Stanley D. Lindsey and Associates, Ltd.

1307 West Morehead Street, Suite 109
Charlotte, NC 28208
704.333.3122
NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical, and Fire Protection Engineer

McKim and Creed

8020 Tower Point Drive
Charlotte, NC 28227
704.841.2588
NC Certificate of Licensure: F-1222

Food Service Consultant **Tipton Associates**449 Westmoreland Drive
Baton Rouge, LA 70806
225.387.0101

NC Certificate of Licensure:



Dr	awn	JMW	
Cr	necked	TDR	
Da	ate	July 24,	2024
Re	evisions		
1	08/15/24		Addendum 1
2	08/28/24		Addendum 2

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Upper Prospector Renovation UNC Charlotte Charlotte, NC

SCO ID No. 23-26198-02A

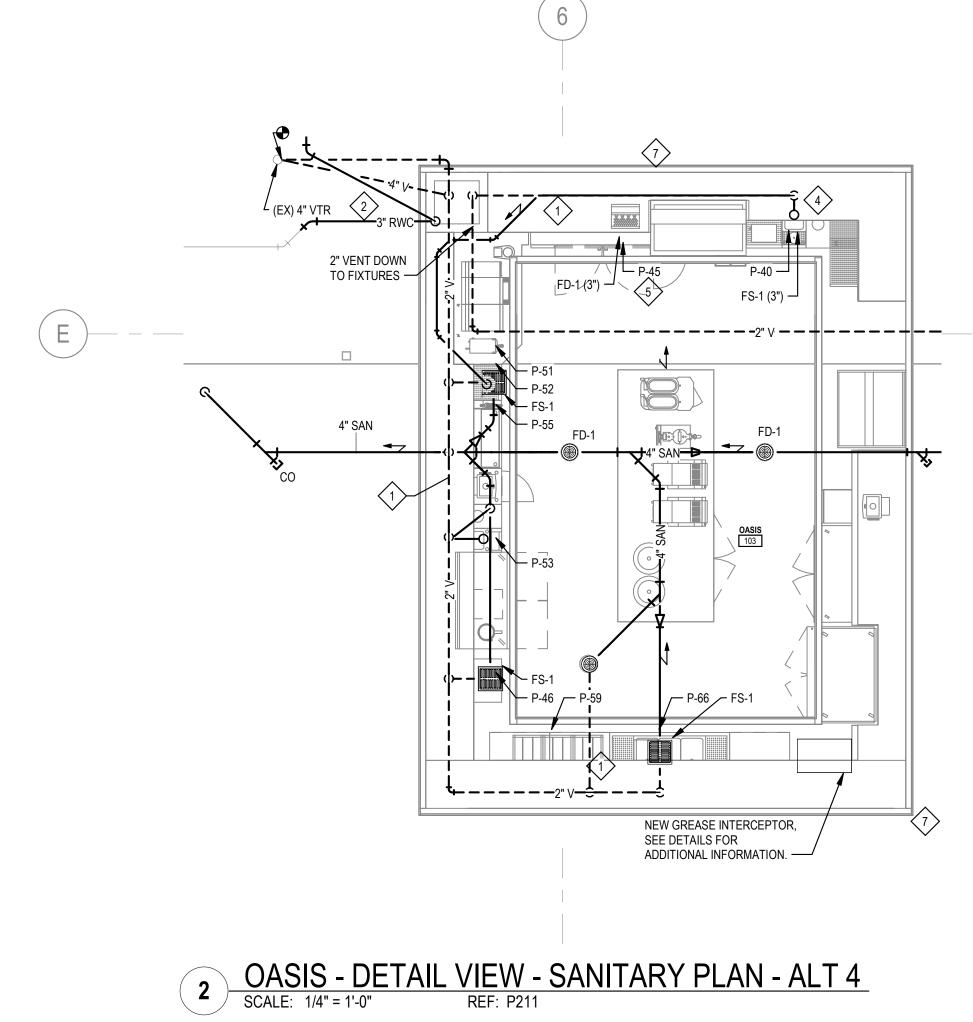
McKim & Creed Project No. 07911-0005

Project Number 151B

PLUMBING - DETAIL
VIEW - PANDA
EXPRESS

P301

1/4"=1'-0" 4' 2' 0 4' 8'



GENERAL NOTES

- B. PC IS RESPONSIBLE TO PROVIDE AND INSTALL ALL EQUIPMENT DRAIN PIPING FROM FOOD SERVICE EQUIPMENT TO ASSOCIATED FLOOR SINK. SEE VENDOR PROVIDED PLANS FOR ADDITIONAL INFORMATION, EQUIPMENT
- C. REFER TO FOOD SERVICE PLANS FOR FINAL CONNECTION SIZES AND ROUGH-IN HEIGHT.
- D. EQUIPMENT IDENTIFIED ON THE FOOD SERVICE DRAWINGS SHALL BE PROVIDED, DELIVERED, ASSEMBLED AND SET BY OTHERS. ALL PIPING AND FINAL CONNECTIONS BY PC. PC IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL REQUIRED VALVES, TAIL PIECES, DRAIN FIXTURES/ASSEMBLIES, REGULATORS, BACK FLOW PREVENTERS, VACUUM BREAKERS, ETC REQUIRED TO MAKE THE FOOD SERVICE EQUIPMENT OPERATIONAL. SEE ALSO, FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.

NEW WORK KEYED NOTES

- 1. ROUTE PIPING IN KNEE WALL, STACKED ALONG KNEE WALL WITH SUPPORT CRADLES. COORDINATE WITH OTHER
- 2. OFFSET EXISTING 4" VENT PIPING IN LEVEL 01 CEILING SPACE. TURN PIPING UP IN CHASE TO ABOVE LEVEL 02
- SHALL BE COPPER. SEE DETAILS FOR ADDITIONAL INFORMATION. SIZE SUPPLY LINE ACCORDING TO
- 4. ROUTE 1-1/2" SANITARY PIPING SERVING P-40, IN KNEE WALL, TO FLOOR SINK AS SHOWN. TURN DOWN AND

6. PLUMBING CONTRACTOR TO PROVIDE 6" PVC CONDUIT FOR BEVERAGE SYRUPS. COORDINATE EXACT ROUTING WITH FIELD CONDITIONS AND OTHER TRADES. ROUTE BELOW SLAB. DO NOT USE 90 DEGREE ELBOWS. SEE

7. BASE BID: ROUTE SANITARY MAIN TO OASIS AREA AND CAP WITH A CLEANOUT FOR FUTURE CONNECTION. COORDINATE REQUIRED INVERT, BASED ON EQUIPMENT LAYOUT SHOWN, PRIOR TO INSTALLATION. ROUTE VENT PIPING TO OASIS AREA AND CAP FOR FUTURE CONNECTION. ROUTE DOMESTIC WATER MAINS TO OASIS AREA AND CAP FOR FUTURE CONNECTION. PROVIDE ISOLATION BALL VALVES AS SHOWN. ALTERNATE 04: ALL OASIS SCOPE OF WORK AS SHOWN ON THE PLANS. REFER TO ARCHITECTURAL PLANS FOR

- A. SEE FOOD SERVICE PLANS FOR ADDITIONAL INFORMATION.
- SCHEDULE AND SIZING.

- E. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCPC 416.5 AND ASSE 1070. BASIS OF DESIGN SHALL BE SYMMONS 8210CK OR APPROVED EQUAL. MAXIMUM DISCHARGE TEMPERATURE, 110°F.

- CEILING AND CONNECT TO EXISTING 4" VENT THROUGH ROOF.
- 3. PROVIDE BEVERAGE MACHINE WITH PRESSURE REDUCING VALVE, BASIS OF DESIGN: WATTS MODEL LF263A OR APPROVED EQUAL. SET PRESSURE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. WATER SUPPLY MANUFACTURER'S RECOMMENDATIONS.

5. TIE 1/2" SANITARY PIPING SERVING P-45 INTO 1-1/2" SANITARY PIPING SERVING P-40. FOOD SERVICE PLANS FOR EXACT LOCATIONS OF STUB UPS.

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July 24, 2024

TDR

Revisions

08/15/24

08/28/24

8801 JM Keynes Drive

Charlotte, NC 28262 704.248.2922

Structural Engineer

704.333.3122

www.biloba.co

Suite 365

Upper Prospector Renovation UNC Charlotte

from Biloba Architecture, PLLC.

Charlotte, NC SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

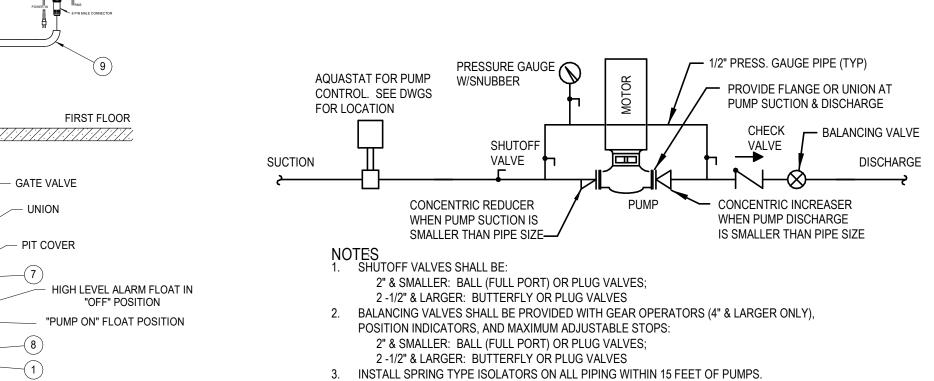
Project Number 151B

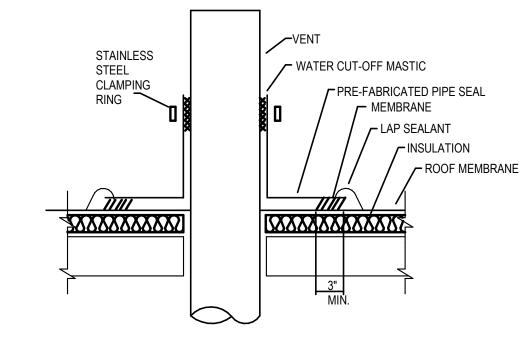
PLUMBING - DETAIL **VIEW - OASIS -ALTERNATE 4**

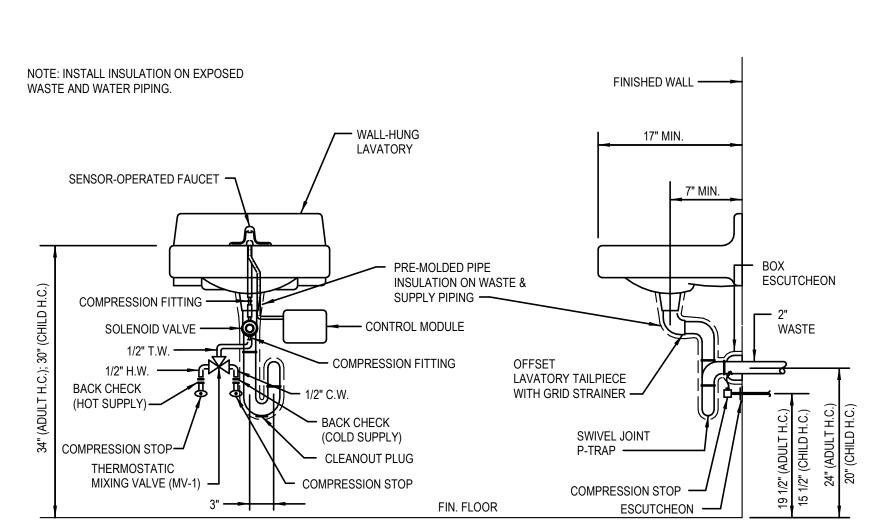
1) 1/2HP SUBMERSIBLE EFFLUENT PUMP, 115 VOLT, 3600 RPM, 2" DISCHARGE CONNECTION; SEE SCHEDULE FOR DEMAND. 2 CHECK VALVE (3) 115V, 1 CONTROL SYSTEM WITH OPTIONAL BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. JUNCTION BOX WILL BE PROVIDED WITH MULTI-PIN CONNECTOR & CORD IN LENGTHS AS REQUIRED, 25 FT. IS STANDARD, OPTIONAL 25 FT. INCREMENTS. LIGHTS FOR OIL SPILL, POWER, HIGH PUMP DISCHARGE TO LIQUID LEVEL, OVERLOAD & PUMP RUN. TERMINATION POINT SHOWN ON PLANS (4) JUNCTION BOX WILL BE PROVIDED WITH MULTI-PIN CONNECTOR AND CORD IN LENGTHS AS REQUIRED; 25 FT. IS STANDARD, OPTIONAL 25 FT. INCREMENTS AVAILABLE. (5) OIL SENSING PROBE; PUMP OFF (6) CABLE, POWER CABLE, PROBE CABLE, HIGH LIQUID ALARM CABLE & PUMP ON FLOAT CABLE. (7) HIGH LIQUID ALARM FLOAT IN "ON" POSITION WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING. (8) "PUMP OFF" FLOAT POSITION (9) MULTI-PIN CONNECTOR AND CORD IN CONDUIT. LENGTHS AS REQUIRED. 25-FOOT STANDARD MINIMUM PIT SIZE: 24"x 24"x 24"DP

ALTERNATE 02 - ELEVATOR SUMP 2

SCALE: NOT TO SCALE

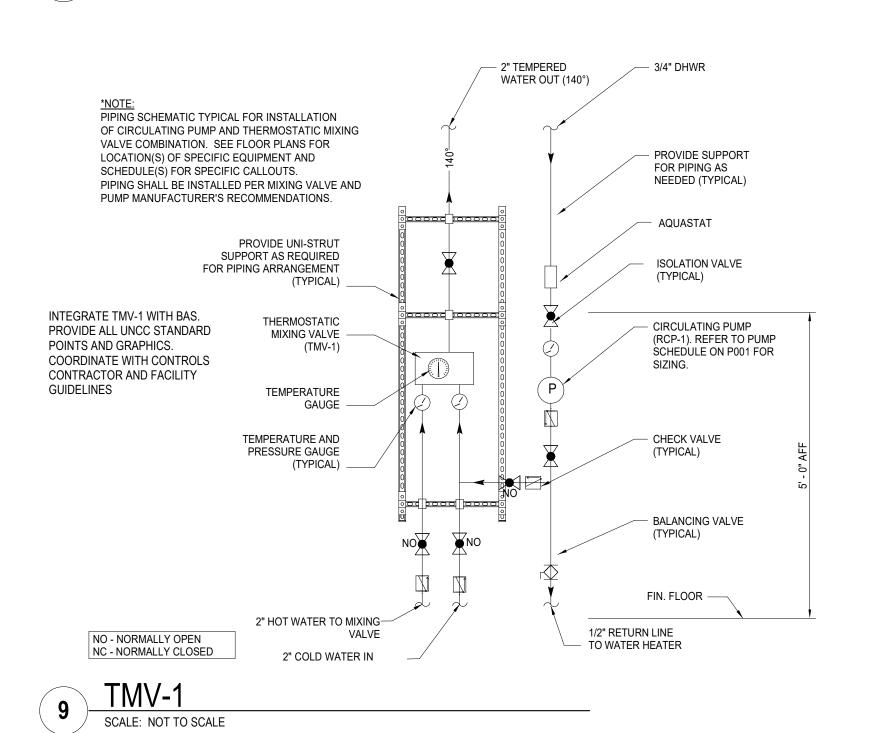


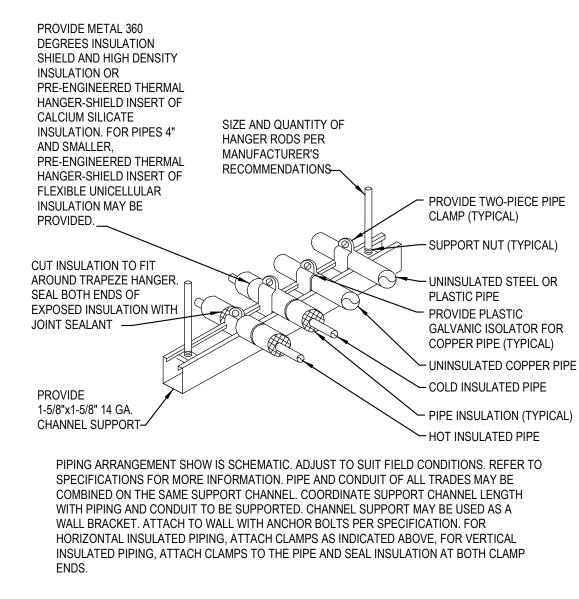




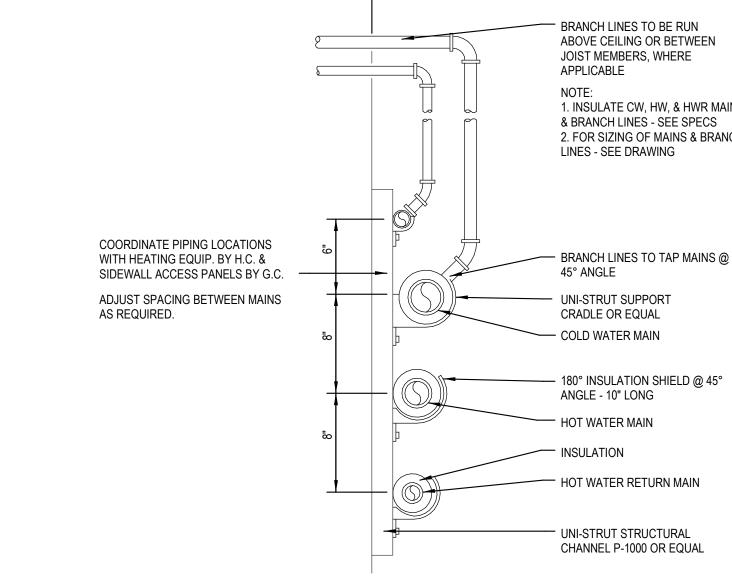


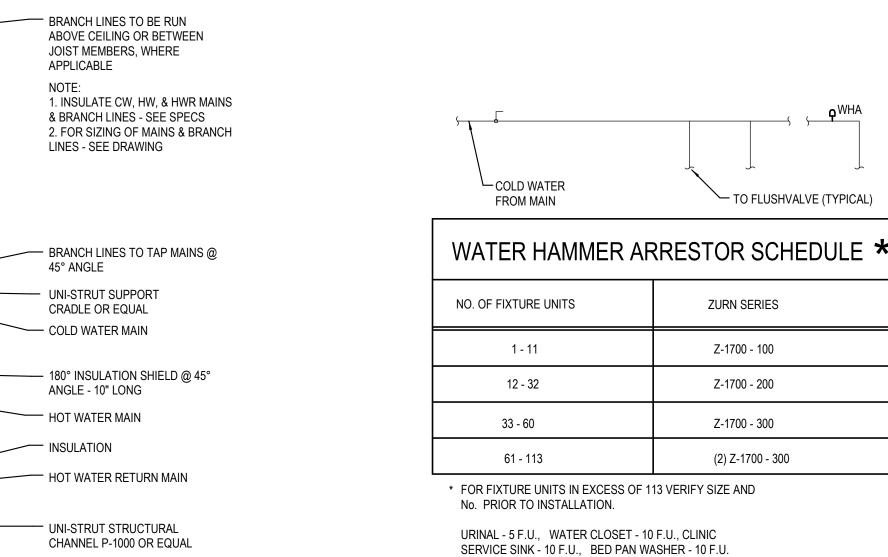
1 DOMESTIC WATER SERVICE ENTRANCE
SCALE: NOT TO SCALE



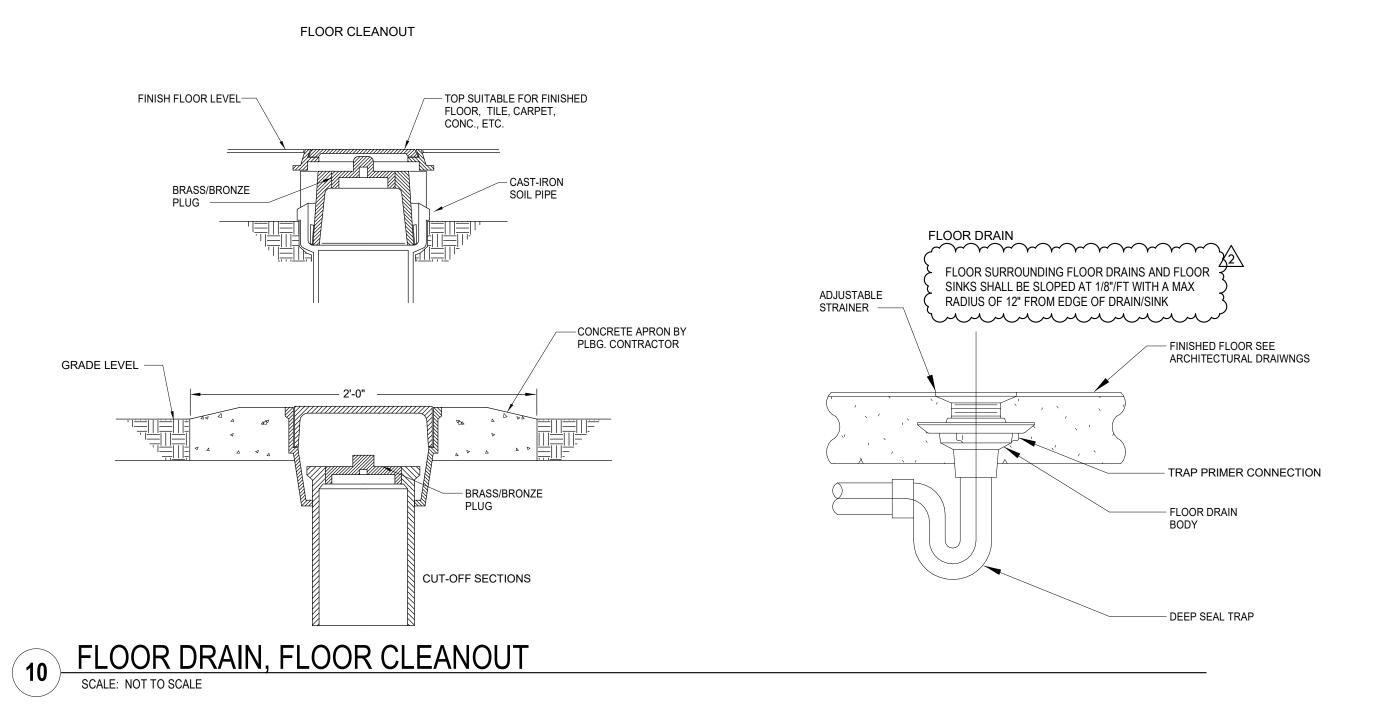


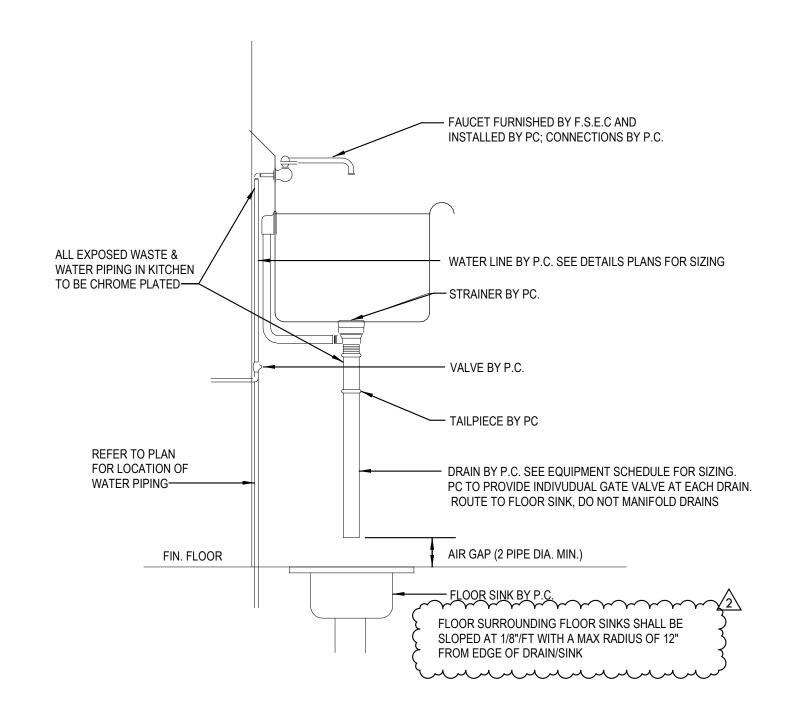






WATER HAMMER ARRESTOR PIPING DIAGRAM

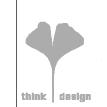




TYPICAL KITCHEN SINK DETAIL W/INDIRECT WASTE

SCALE: NOT TO SCALE

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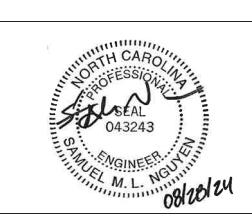


8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

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	104
Drawn	JMW
Checked	TDR
Date	July 24, 2024
Revisions	
2 08/28/24	Addendum 2

Addendum 2

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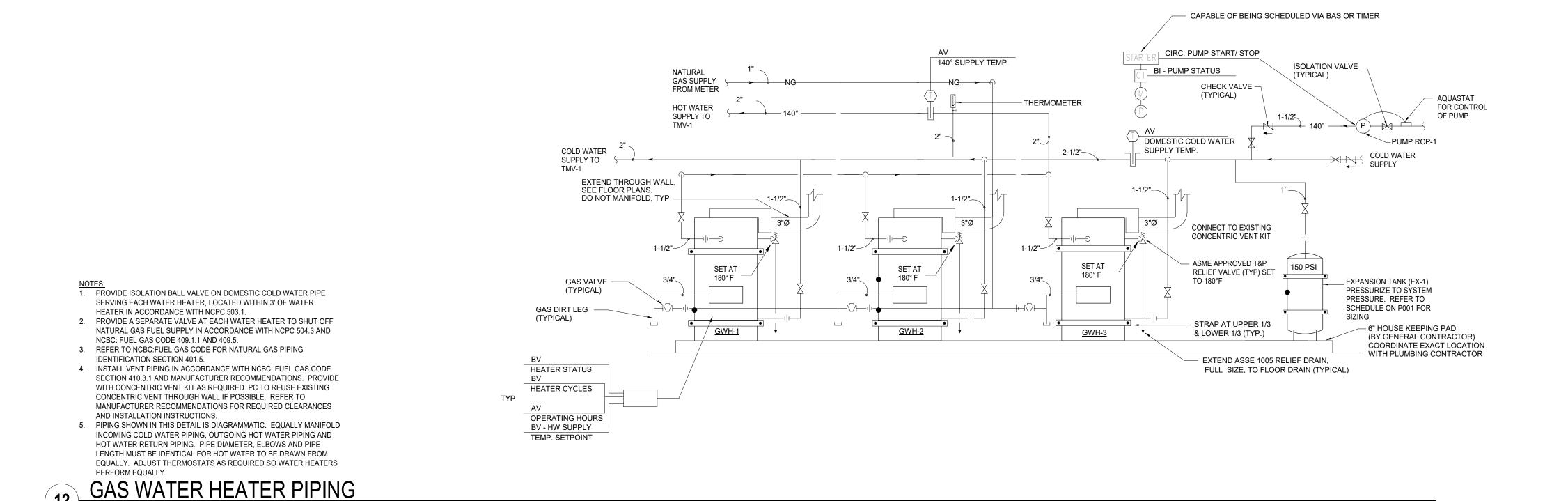
Upper Prospector Renovation

UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A McKim & Creed Project No. 07911-0005

Project Number 151B

PLUMBING - DETAILS

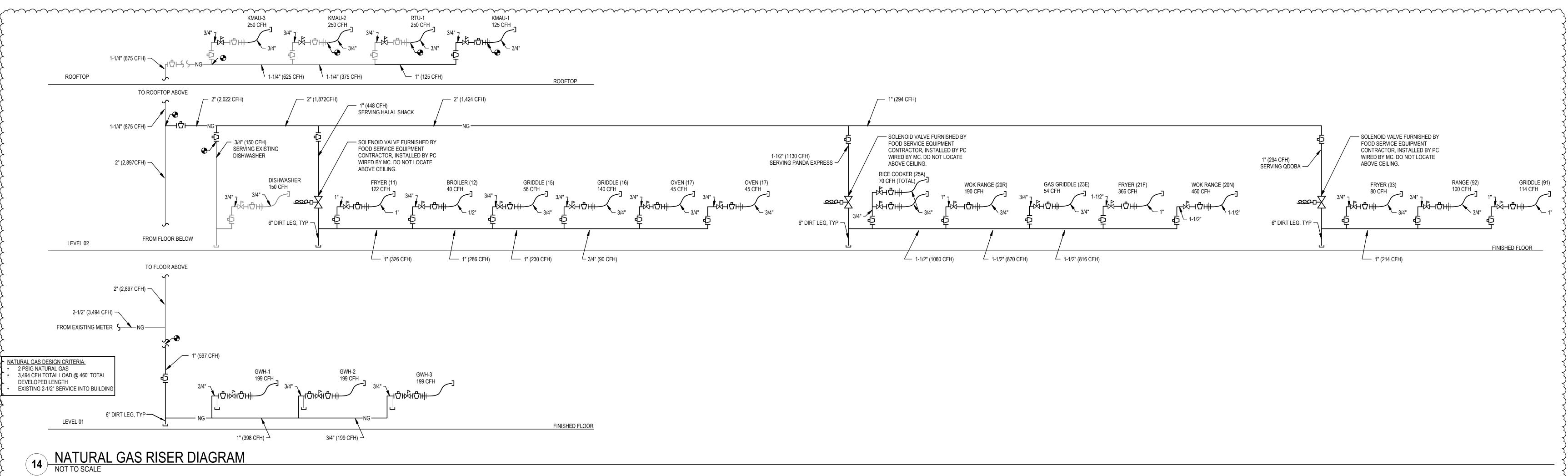
P500

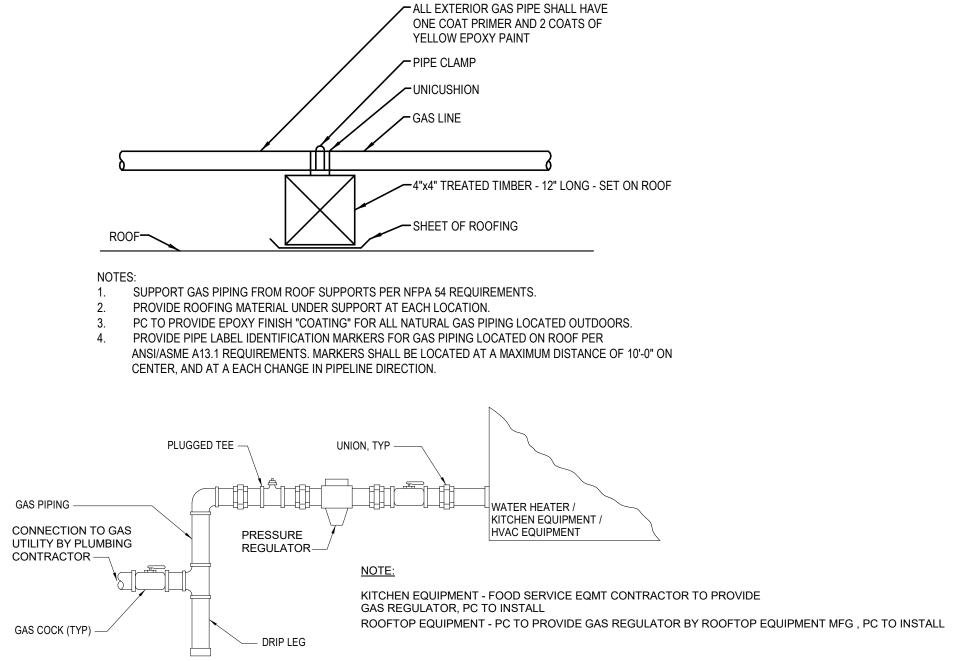


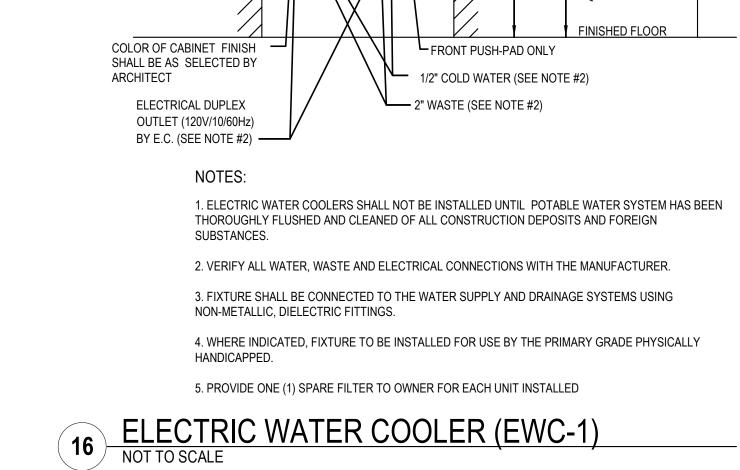
COLD WATER SUPPLY CONCEALED IN PARTITION, SEE FLOOR PLANS FOR ROUTING -PROVIDE A FOUR FOOT LENGTH OF PROVIDE BACKFLOW SOFT COPPER TUBING, COILED PREVENTER WITH WITHOUT KINKS, FROM VALVE TO UNIT STRAINER IF/AS WATER INLET WITH ADAPTERS AS INDICATED ON FLOOR REQUIRED, SIZE PER MANUFACTURER'S PLANS OR REQUIRED BY RECOMMENDATIONS LOCAL AUTHORITIES — PROVIDE DUAL OUTLET ► BEVERAGE DISPENSER (COFFEE, TEA, ANGLE STOP VALVE ON SODA, OR WATER) AS SHOWN ON PLANS NEARBY SINK WITH ONE BRANCH TO SINK AND ∽ DRILL HOLE IN OTHER TO BEVERAGE COUNTERTOP BEHIND DISPENSER — BEVERAGE DISPENSER PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. AIR GAP ON INTERNAL WATER FILL DEVICE PROVIDES BACKFLOW PREVENTION. VERIFY IF LOCAL AUTHORITIES REQUIRE

BEVERAGE DISPENSER WATER NOT TO SCALE

SUPPLEMENTAL PROTECTION.



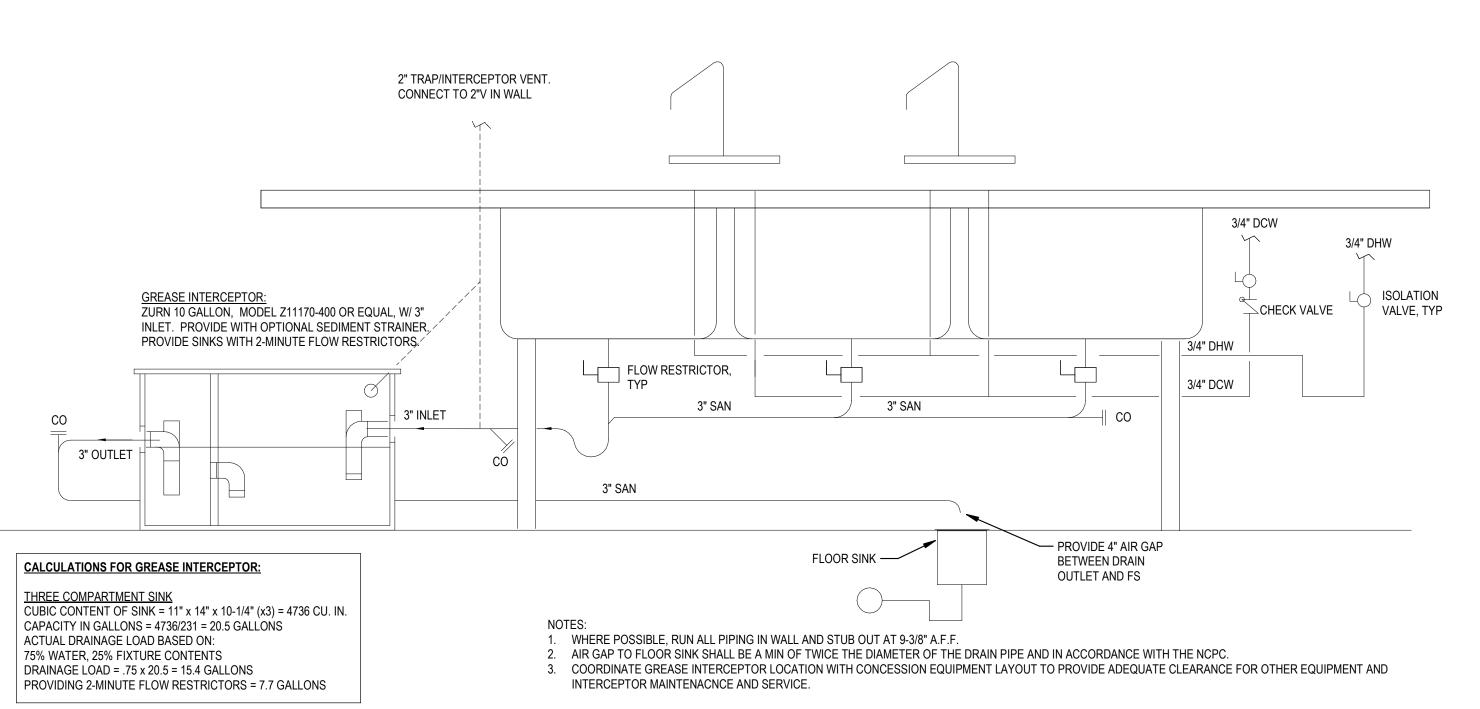




INSTALL APRON ASSEMBLY ON HIGHER UNIT -

PROVIDE WITH HEAVY

DUTY CARRIER. ----



THREE COMPARTMENT SINK W/ ABOVE GROUND GREASE INTERCEPTOR
NOT TO SCALE

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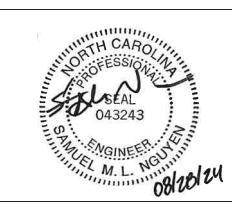
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Checked TDR July 24, 2024 Revisions

08/28/24 Addendum 2

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Upper Prospector Renovation

UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A McKim & Creed Project No. 07911-0005

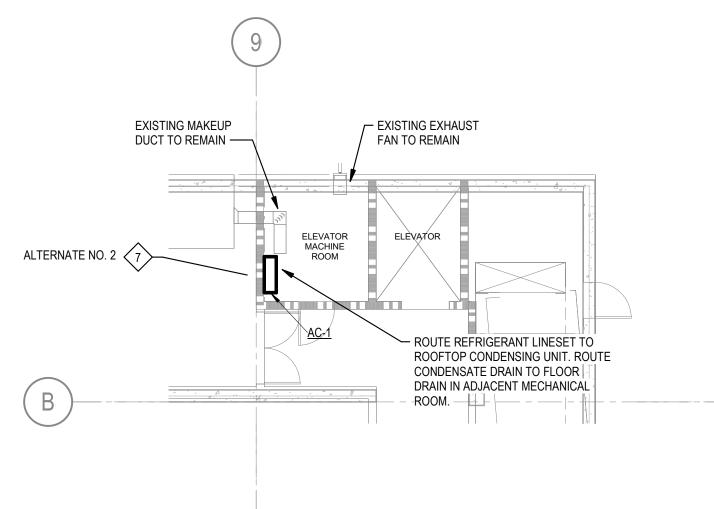
Project Number 151B

PLUMBING - DETAILS

GAS PIPE CONNECTION & BLOCKING DETAILS

NOT TO SCALE

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



LEVEL 01 - MECHANICAL - ELEVATOR 3 MACHINE ROOM - ALTERNATE NO. 2 SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, OBSTRUCTIONS, STRUCTURAL ELEMENTS, PARTITIONS, ETC, PRIOR TO CREATION OF SHOP DRAWINGS. DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT EVERY HORIZONTAL OR VERTICAL OFFSET REQIURED TO AVOID OBSTRUCTIONS.
- B. CONTRACTOR SHALL COORDINATE ALL NEW EQUIPMENT WITH EXISTING CONDITIONS TO MAINTAIN MANUFACTURER AND CODE REQUIRED CLEARANCES.
- C. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL SYSTEM OUTAGES OR SHUTDOWNS WITH OWNER MINIMUM OF 2 WEEKS PRIOR TO OUTAGE.
- D. ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE PROVIDED WITH 1" INTERNAL LINING
- E. PROVIDE EACH SUPPLY OUTLET (DIFFUSER, GRILLE, LINEAR, ETC) WITH MANUAL BALANCING DAMPER AT TAP FROM DUCT MAIN, UNLESS OTHERWISE NOTED. AIR OUTLETS LOCATED OVER INACCESSIBLE (GYPSUM) CEILINGS SHALL BE PROVIDED WITH CABLE OPERATED DAMPERS ACCESSIBLE THROUGH FACE OF OUTLET.

NEW WORK KEYED NOTES

- 1. PROVIDE TYPE 1 GREASE HOOD WITH INTEGRAL MAKEUP AIR PLENUM, SEE M700 SERIES FOR ADDITIONAL SPECIFICATIONS, DETAILS, AND ACCESSORIES REQUIRED. HOOD SHALL BE PROVIDED WITH VARIABLE VOLUME CONTROLS, ANSUL SYSTEM, CONTROLS SHALL BE INTERLOCKED WITH KMAU, KX, AND SHALL HAVE BACNET BAS COMPATIBILITY. SEE M700 SERIES FOR CFM REQUIREMENTS FOR BALANCING.
- 2. GREASE DUCTS SHALL BE PITCHED TO HOOD OR A GREASE RESOIRVOIR AT 1/4" PER FOOT. PROVIDE ACCESS DOOR / CLEANOUT EVERY 20 FT AND WITHIN 10 FT OF CHANGES IN DIRECTION. ALL GREASE DUCTS SHALL BE PROVIDED WITH FIRE-WRAP RATED FOR GREASE/KITCHEN AIR APPLICATION.
- 3. PROVIDE WITH VOLUME EXTRACTOR ON DUCT TAP INSTEAD OF VOLUME DAMPER, SIMILAR TO TITUS AG-45 WITH OPERATION TYPE 1 PUSH/PULL WIRE.
- 4. PROVIDE LINEAR SLOT DIFFUSER IN CEILING WITH MUD-IN TYPE BORDER. SLOT SHALL BE CURVED PARALLEL TO EXTERIOR WALL. PROVIDE EACH SECTION WITH CABLE OPERATED DAMPER ACCESSIBLE THROUGH SLOT.
- 5. CONNECT MAKEUP AIR DUCT TO HOOD MAKEUP PLENUM WITH MANUAL BALANCING DAMPER IN VERTICAL. SEE DETAILS IN M700 SERIES FOR CONNECTION SIZE AND CFM PER CONNECTION.
- 6. PROVIDE AIR CURTAIN WITH ELECTRIC HEAT ABOVE DOOR. PROVIDE WITH DOOR JAMB SWITCHES.
- 7. ADD/ALT 02 PROVIDE 3-TON DUCTLESS SPLIT SYSTEM IN ELEVATOR MACHINE, SIMILAR TO MITSUBISHI PKA/PUY-A36NKA7. PROVIDE WITH BACNET INTERFACE, AND WIRED TO NEAREST BACNET CONTROLLER.
- 8. <u>ADD/ALT 03</u> REPLACE EXISTING (4) 8x8 EXHAUST GRILLES AND (2) 12x12 SUPPLY DIFFUSERS IN KIND. RECONNECT TO EXISTING DUCT BRANCHES AND RE-BALANCE GRILLES AS NECESSARY TO MEET CFM'S LISTED.
- 9. RELOCATE EXISTING STATIC PRESSURE TRANSMITTER TO NEW LOCATION ON WALL. EXTEND WIRING AS NECESSARY. RECALIBRATE SENSOR.
- 10. PROVIDE NEW BACNET/IP BAS CONTROLLER IN ELECTRICAL ROOM. ROUTE BACNET TRUNK TO EXISTING JACE LOCATED IN ELECTRICAL ROOM 144 (ON FLOOR BELOW)
- 11. EXISTING EXHAUST DUCT TO DISHWASHER AND UP TO ROOF TO REMAIN. EXTEND DUCT TO NEW EXHAUST
- 12. 18x14 TRANSFER DUCT WITH INTERNAL LINING AND MINIMUM 2 ELBOWS.
- 13. 16x16 EA UP TO GX-2 WITH MOTORIZED DAMPER. RE-USE EXISTING ROOF PENETRATION.
- 14. 22x22 SA UP TO <u>KMAU-1</u>. RE-USE EXISTING ROOF PENETRATION. 15. 22x22 GREASE EA UP TO <u>KX-1</u>. RE-USE EXISTING ROOF PENETRATION.
- 16. 22x22 GREASE EA UP TO KX-2. RE-USE EXISTING ROOF PENETRATION.
- 17. 22x22 SA UP TO <u>KMAU-2</u>. RE-USE EXISTING ROOF PENETRATION.
- 18. 10x10 EA UP TO TX-1 WITH MOTORIZED DAMPER. RE-USE EXISTING ROOF PENETRATION. 19. 10x10 EA UP TO GX-1 WITH MOTORIZED DAMPER. PROVIDE NEW ROOF PENETRATION.
- 20. 22x22 SA UP TO KMAU-3. PROVIDE NEW ROOF PENETRATION.
- 21. 22x22 GREASE EA UP TO KX-3. RE-USE EXISTING ROOF PENETRATION.
- 22. RE-BALANCE (E) AHU-3 SUPPLY FAN VFD'S AND MINIMUM OA CFM AS PART OF TAB PROCESS. MINIMUM OA AND RETURN DAMPERS SHALL BE BALANCED TO PER VALUES IN EQUIPMENT SCHEDULE.
- 23. PROVIDE WALL MOUNTED MANUAL ACTIVATION DEVICE CONNECTION TO KITCHEN HOOD CONTROL PANEL. REFER TO HOOD SYSTEM DETAILS. PROVIDE MULTIPLE DEVICES WHERE REQUIRED TO COMPLY WITH DISTANCE LIMITATIONS PER FIRE CODE.
- 24. CONTRACTOR SHALL RE-BALANCE MINIMUM OUTSIDE AIR, CHW FLOW, HW FLOW, AND SUPPLY AIR FLOW TO VALUES SHOWN IN SCHEDULE.

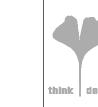
25. PROVIDE WALL MOUNTED TEMPERATURE SENSOR INSIDE WALK-IN BOX, CONNECTED TO BAS. PROVIDE ADDITIONAL BAS POINT FOR WALK-IN CONTROLL GENERAL ALARM CONTACT.

26. PROVIDE NEW WALL-MOUNTED TEMPERATURE SENSOR. INTENT IS TO AVERAGE READINGS IN BAS.

WALL RATING LEGEND 2-HOUR RATED WALL 1-HOUR RATED WALL

1/8"=1'-0" 8' 4' 0 8

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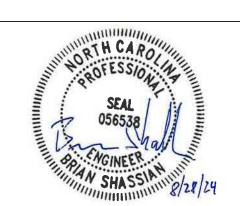
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Checked	BJS
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Upper Prospector

Renovation UNC Charlotte Charlotte, NC

SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Project Number 151B **MECHANICAL** -**DUCTWORK - NEW WORK PLAN**

				AIR TERMINAL SCHEDULE		
TAC	CVCTEM	BASIS OF	DESIGN	DESCRIPTION	MAY N.C	NOTEC
EAG-2 EXHA EAG-3 EXHA SAD-1 SUPI SAD-2 SUPI SAD-3 SUPI	STSTEIN	MANUF	MODEL	DESCRIPTION	MAX. N.C	NOTES
EAG-1	EXHAUST	TITUS	PAR-AA	24x24 ALUMINUM PERFORATED LAY-IN EXHAUST	30	1-6
EAG-2	EXHAUST	TITUS	350RL	LOUVERED GRILLE	30	1-6
EAG-3	EXHAUST	TITUS	350RL	LOUVERED GRILLE	30	1-6
SAD-1	SUPPLY	TITUS	OMNI	24x24 PLAQUE FACE LAY-IN DIFFUSER	30	1-6
SAD-2	SUPPLY	TITUS	300BL	DUCT MOUNTED SIDEWALL LOUVERED GRILLE	30	1-6~
SAD-3	SUPPLY	TITUS	FL-16-JT	1-SLOT, 1.5" WIDTH LINEAR DIFFUSER	30	1-6, 7, 2
SAD-4	SUPPLY	TITUS	FL-10-JT	1-SLOT, 1" WIDTH LINEAR DIFFUSER	30	1-6
OENEDAL NO:	TEO		7	√/2 \		

1. ARCHITECT SHALL REVIEW AND APPROVE FINISHES FOR ALL DIFFUSERS AND GRILLES.
2. CONTRACTOR SHALL COORDINATE LOCATIONS OF AIR TERMINALS WITH REFLECTED CEILING PLANS TO AVOID CONFLICT WITH OTHER

3. DEVICES MOUNTED IN CEILINGS SHALL BE LOCATED IN CENTER OF TILE OR OTHER LOCATION AS APPROVED BY ARCHITECT. 4. CONTRACTOR SHALL COORDINATE FRAME TYPES WITH ARCHITECTURAL FINISHES. 5. PROVIDE LOCKING QUADRANT MANUAL VOLUME DAMPER IN BRANCH TAKE-OFF FOR EACH DIFFUSER, UNLESS PROVIDED WITH AIR

EXTRACTOR PER NOTES ON PLANS.

6. VSEE-SPECIFICATIONS FOR ACCEPTABLE, ALTERNATIVE MANUFACTURERS.
7. LINEAR SLOTS SHALL BE CURVED PARALLEL TO EXTERIOR WALL.

					ELECTR	IC AIR CURT	AIN SCH	EDULE					
TAG	QTY	LENGTH	WEIGHT	MAX CFM	MAX FPM	Dba @ 10'		МОТО	R DATA		BASIS C	F DESIGN	NOTE
IAG	QII	LENGIN	WEIGHT	@ NOZZLE	@ NOZZLE	FROM NOZZLE	VOLTAGE	PHASE	HERTZ	HP	MANUF	MODEL	INOTE
EAC-1	1	3' - 0"	113.00 lb	1766	1968	56	460	3	60	1/2	BERNER	AI10-E-1036E	12 KW I
EAC-2	1	3' - 0"	113.00 lb	1766	1968	56	460	3	60	1/2	BERNER	AI10-E-1036E	12 KW
EAC-3	1	3' - 0"	113.00 lb	1766	1968	56	460	3	60	1/2	BERNER	AI10-E-1036E	12 KW
EAC-4	1	3' - 0"	113.00 lb	1766	1968	56	460	3	60	1/2	BERNER	AI10-E-1036E	12 KW
EAC-5	1	3' - 0"	113.00 lb	1766	1968	56	460	3	60	1/2	BERNER	AI10-E-1036E	12 KW

GENERAL NOTES:

1. ARCHITECT SHALL REVIEW AND APPROVE FINISHES FOR ALL UNITS.

2. PROVIDE DOOR SWITCH FOR EACH DOOR, INTERLOCKED WITH EACH UNIT.

CONTRACTOR SHALL COORDINATE LOCATION AND MOUNTING OF UNIT WITH NEARBY TRADES, INCLUDING EXIT SIGNS. UNIT SHALL NOT

BLOCK VISIBILITY OR PROPER OPERATION OF NEARBY SYSTEMS. 4. PROVIDE WITH INTEGRAL BUILT-IN CONTROLLER TO CONTROL FAN SPEED AND TEMPERATURE CONTROL, SIMILAR TO INTELLISWITCH.

5. ALTERNATIVE MANFUACTURERS ARE MARS, DAYTON.

								INDIRE	CT-FIRED (GAS MAKE	UP AIR U	NIT SC	CHEDULE									
TAG	SERVICE	DESCRIPTION	CFM	E.S.P. IN. W.C.	MOTOR HP	RDATA	GAS INPUT (MBH)	GAS OUTPUT (MBH)	TEMP. RISE	GAS PRESS. IN. W.C.	AIR FILTER	MERV EFF.	COOLING CAPACITY NET (MBH)	WEIGHT	VOLTAGE		CTRICAL		MFS	BASIS O MANUF	DF DESIGN MODEL	NOTES
KMAU-1	QDOBA HOOD	DX, GAS FIRED	2100	0.75	1.5 hp	2163	125.0	100.0	43.9	7	2 IN	8	96	1424 lb	460	3	60	21.5	30	TRANE	OADG-096	1,2,3,5,6,7
KMAU-2	PANDA EXPRESS HOOD	DX, GAS FIRED	4200	0.75	3.0 hp	2112	250.0	202.5	45.0	7	2 IN	8	211	3076 lb	460	3	60	36.7	45	TRANE	OADG-015A3	1,2,3,5,6,7
KMAU-3	HALAL SHACK HOOD	DX, GAS FIRED	4200	0.75	3.0 hp	2112	250.0	202.5	45.0	7	2 IN	8	211	3076 lb	460	3	60	36.7	45	TRANE	OADG-015A3	1,2,4,5,6,7

 DOWNBLAST
 D
 150
 0.40
 24
 1/30
 1550
 120
 1
 60
 4.4
 GREENHECK
 G-070-D

GENERAL NOTES:

1. UNITS SHALL HAVE CONTROLLERS COMPATIBLE WITH BACNET/IP BAS AND BE ABLE TO RECEIVE/SEND SIGNALS FROM EXHAUST HOOD CONTROLLER.

2. UNITS SHALL BE VARIABLE AIR FLOW WITH VARIABLE SPEED COMPRESSOR. B. PROVIDE CURB ADAPTERS AS REQUIRED FOR UNIT LOCATED ON EXISTING CURB. EXISTING CURB TO REMAIN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.

4. PROVIDE NEW ROOF CURB. 5. UNIT SHALL BE PROVIDED WITH SINGLE POINT POWER CONNECTION.

6. REFRIGERANT SHALL BE EITHER R-454B OR R-32.

UNITS SHALL BE HORIZONTAL DISCHARGE.
 PROVIDE WITH FACTORY MOUNTED DISCONNECT

_																	
								FAN SCHEI	DULE								
	TAG	SERVICE	SERVING		DRIVE TYPE	CFM	S.P. (IN.			N	OTOR DAT	Α			BASIS O	F DESIGN	
	IAG	SLIVIOL	SERVING	FAN TYPE	DINIVE TIFE	CI IVI	W.G.)	WEIGHT (LBS)	HP	RPM	VOLTS	PHASE	HERTZ	SONES	MANUF	MODEL	
	GX-1	EXHAUST	GENERAL EXHAUST	DOWNBLAST	D	500	0.50	31	1/8	1550	120	1	60	9.7	GREENHECK	G-095-D	
	GX-2	EXHAUST	GENERAL EXHAUST	DOWNBLAST	В	1500	0.50	64	1/3	1079	120	1	60	8.6	GREENHECK	GB-140	
	KX-1	GREASE EXHAUST	QDOBA KITCHEN HOOD	UPBLAST	В	2615	1.50	126	1-1/2	1240	460	3	60	15.4	GREENHECK	CUBE-180-VGD	
	KX-2	GREASE EXHAUST	PANDA EXPRESS HOOD	UPBLAST	В	5200	1.50	183	3	1092	460	3	60	20	GREENHECK	CUBE-240-VGD	
	KX-3	GREASE EXHAUST	HALAL SHOP KITCHEN HOOD	UPBLAST	В	5200	1.50	183	3	1013	460	3	60	20	GREENHECK	CUBE-240-VGD	
	TF-1	TRANSFER AIR	IT ROOM	CEILING MTD	D	110	0.25	16	60W	894	120	1	60	.3	GREENHECK	CSP-A125	
H		=>//	TO:: TT0	D 014/1/D1 4.0T	_	4-0	2.42	0.4	4 /0.0	4	400				00======	0.0=0.5	-

TX-1 EXHAUST

GENERAL NOTES:
1. MECHANICAL CONTRACTOR SHALL PROVIDE INDIIVDUAL MOTOR STARTERS OR VFD'S, UNLESS STATED OTHREWISE. ALL STARTERS SHALL BE

COMPATIBLE WITH BAS. FANS SHALL BE RATED FOR RESTAURANT / GREASE EXHAUST (NFPA LISTED) AND PROVIDED WITH VARIABLE DRIVES AND GREASE TRAP/CUP.

B. FANS SHALL BE PROVIDED WITH MOTORIZED BACKDRAFT DAMPERS INTERLOCKED WITH FAN OPERATION.

4. PROVIDE FANS WITH VENTED AND HINGED BASE WITH CURB. 5. PROVIDE LINE VOLTAGE COOLING THERMOSTAT ON POWER CIRCUIT. COORDINATE WITH ELECTRICIAN.

											RO	OFTOP H	IVAC UNIT	SCHEDU	JLE W/GA	S HEAT														
TAG	UNIT TYPE	AREA SERVED	MAX SUPPLY MIN SUPPLY AIR (CFM)	MIN OA (CFM)	WINTER MIXED AIR	AN TYPE MAX	S X AIRFLOW (CFM)~~~	UPPLY FAN	ED EXTSPUNY	YG) TOTAL	SENSIBLE	EAT CO	LAT DB/WBY		, REFRIG.	,EER,	PYPB~~(HEA	TING SECTION CAP WYPDT/ODT/PDT-	YEAR-	~(AF~	FILTER	VOLTAGE,	ELECTF PHASE	RICAL DATA	ÇA MO		F DESIGN MODEL	WEIGHT	NOTES
RTU-1	PACKAGED	OASIS / DINING	6000 4000	2100	40 F	PLENUM	6000	3 1150	0.80	181	139	80	67	95	*	10.8	GAS	250	202	70	101	MERV8	460	3	60 4	10 50) TRANE	YSK180A	2053	1-4
																														\mathcal{M}

GENERAL NOTES: 1. PROVIDE CURB ADAPTERS AS REQUIRED TO MOUNT NEW UNIT ON EXISTING. INTENT IS TO RE-USE EXISTING CURB AND ROOF PENETRATIONS. CONTRACTOR

SHALL FIELD VERIFY EXISTING CONDITIONS. PROVIDE WITH BACNET IP COMPATIBLE CONTROLLER, CAPABLE OF DEMAND CONTROLLED VENTILATION.
 FAN SHALL BE VARIABLE SPEED TYPE.

4. PROVIDE WITH FACTORY MOUNTED DISCONNECT.

5. HEATER SHALL BE MODULATING TYPE. * REFRIGERANT SHALL BE R-32 OR R-454B

					ELECTRIC HEA	ATER SCI	HEDUL	E			
	TAG	LOCATION	SUPPLY	KW	BTUH		RICAL D			DESIGN	NOTES
		200/111011	CFM		5.0	VOLTAGE	PHASE	HERTZ	MANUF	MODEL	110120
	EH-1	VESTIBULE	150	4 kW	13.6	277	1	60	QMARK	EFF4007	1-4
Г			•	•		•				•	•

. ARCHITECT TO APPROVE FINISH OF UNIT.

2. PROVIDE WITH TAMPER RESISTANT THERMOSTAT CONCEALED BEHIND FACEPLATE.

3. ALTERNATIVE MANFUACTURERS ARE BERKO, KING ELECTRIC. 4. UNIT SHALL BE FULLY CONCEALED IN CEILING.

				SPLIT D	X AIR CO	NDITIONI	NG UNIT SCH	HEDULE A	LTERNATI	E NO. 2					
			INDOOR UNIT					MA	TCHED OUT	OOR UNIT			BASI	S OF DESIGN	
TAG		SUPPLY	RATED COOL	ING CAPACITY	ELECTRIC	CAL DATA									NOTES
170	SERVES	AIR FLOW (CFM)	TOTAL COOLING	SENSIBLE COOLING	VOLTAGE	AMPS	TAG	VOLTAGE	PHASE	HERTZ	MCA	MOCP	MANUF	MODEL	NOTES
AC-1	ELEVATOR MACHINE ROOM	920	36	25	208	1	CU-1	208	1	60	25	31	MITSUBISHI	PKA/PUY-A36NKA7	1-3

GENERAL NOTES:

ROUTE LIQUID/SUCTION LINES BETWEEN INDOOR AND OUTDOOR UNIT, PROVIDE 1-1/2" INSULATION ON LIQUID LINE, WITH WEATHERPROOF FINISH (PVC OR OTHER FINISH RATED FOR EXTERIOR CONDITIONS) WHERE LOCATED ON ROOF.

PROVIDE ROOF CURB FOR CONDENSING UNIT. 3. PROVIDE BACNET ADAPTER FOR INDOOR UNIT.

REFER TO M700 SERIES FOR SCHEDULE AND SPECIFICATION OF KITCHEN HOOD SYSTEMS

EXISTING AHU-3 SCHEDULE (REFERENCE FOR BALANCING ONLY) MIN. OUTSIDE AIR CHW GPM HW GPM (CFM) (CFM)

6,000

GENERAL NOTES: CONTRACTOR SHALL RE-BALANCE FANS, DAMPERS, AND BALANCING VALVES TO THE VALUES IN THIS SCHEDULE..

19,025

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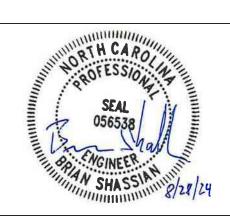
8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlotte, NC 28208 704.333.3122

NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical, and Fire Protection Engineer McKim and Creed 8020 Tower Point Drive Charlotte, NC 28227 704.841.2588 NC Certificate of Licensure: F-1222

Food Service Consultant Tipton Associates 449 Westmoreland Drive Baton Rouge, LA 70806 225.387.0101 NC Certificate of Licensure:



Dr	awn	EMK	
Ch	necked	BJS	
Da	ate	July 24,	2024
Re	evisions		
1	08/15/24		Addendum 1
2	08/28/24		Addendum 2

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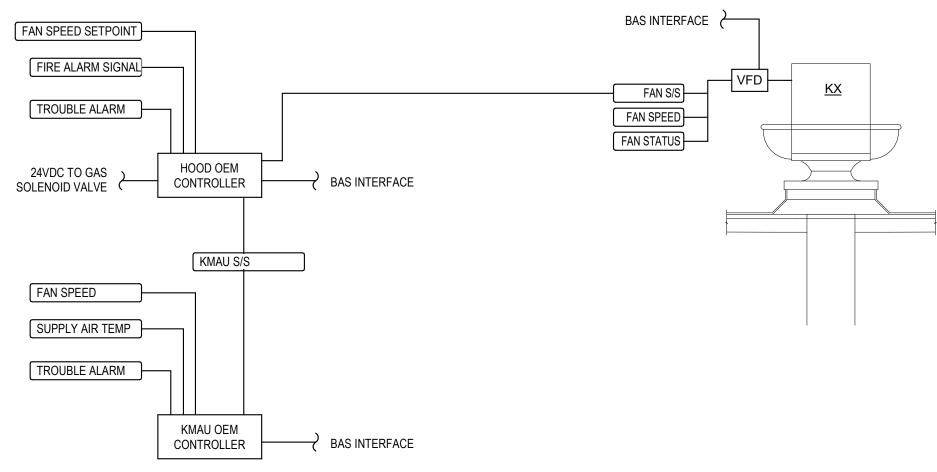
Upper Prospector

SCO ID No. 23-26198-02A McKim & Creed Project No. 07911-0005

Project Number 151B

MECHANICAL -SCHEDULES

PO	TMIC	SL	IST					
	Р	OIN	ГТҮР	Έ	RM	N	_	
POINT DESCRIPTOR	DI	Al	DO	АО	ALARM	TREND	OEM	NOTES
TROUBLE ALARM	Х		Х		Χ	Χ		
KX FAN SPEED SETPOINT				Х		Χ		
FAN SPEED CMD (FROM HOOD PANEL)		Х				Χ		
KX FAN SPEED (FROM VFD)		Χ				Χ		
KX FAN STATUS (VFD)	Х					Χ		
KMAU OCCUPANCY SETPOINT			Х			Χ		
KMAU FAN SPEED SETPOINT				Х		Х		
KMAU DISCHARGE AIR TEMP SETPOINT				Х		Χ		
KMAU FAN SPEED (FROM KMAU CONTROLLER)		Χ				Χ		
KMAU DISCHARGE AIR TEMP		Χ				Χ		
MODE (COOLING, HEATING)			Х			Х		
COMPRESSOR STATUS	Х					Χ		
GAS HEAT STAGE STATUS	Х					Х		
SPACE TEMPERATURE		Х				Χ		
WALK-IN BOX TEMPERATURE		Х			Χ	Χ		
WALK-IN BOX CONTROLLER GENERAL ALARM	Х				Х	Х		



SEQUENCE OF OPERATIONS

REFER TO M700 SERIES FOR WIRING AND SEQUENCE. DIAGRAM SHOWN ON THIS SHEET FOR REFERENCE ONLY.

IT IS ACCEPTABLE FOR THE KITCHEN HOOD / FAN VENDOR TO PROVIDE FULLY INTEGRATED SYSTEM (HOOD, FAN, MAKEUP AIR, SENSORS) PROVIDED THAT THE POINTS NOTED ABOVE CAN STILL BE READ AND WRITTEN BY THE BACNET IP BAS.

KITCHEN EXHAUST AND MAKEUP AIR

\$ ESS STOP SWITCH (X2) THERMOSTAT WITH TEMPERATURE AND CO2 SENSING — FAN STATUS OA DAMPER CMD /-- RTU OEM CONTROLLER ECONOMIZER HOOD OUTSIDE AIR 🤝 RELIEF AIR SUPPLY AIR RETURN AIR

	POINT	ΓS L	IST					
	F	OIN	ГТҮР	PΕ	₩.	Ð	_	
POINT DESCRIPTOR	DI	Al	DO	AO	ALARM	TREND	OEM	NOTES
OCCUPANCY SETPOINT			Х			Х		
FAN STATUS	Х					Х		
OA DAMPER POSITION		Х				Х		
OA DAMPER SETPOINT		Х						
RA TEMPERATURE		Х				Х		
SA TEMPERATURE COOLING SETPOINT			Х					
SA TEMPERATURE HEATING SETPOINT			Х					
SA TEMPERATURE		Х				Х		
SPACE TEMPERATURE		Х				Х		
SPACE TEMPERATURE SETPOINT				Х				
SPACE CO2		Х				Х		
COMPRESSOR STATUS	Х							
GAS HEAT STAGE STATUS	Х							
MORNING WARMUP SETPOINT				Х				
ECONOMIZER								ON/OFF SIGNAL FROM B
ECONOMIZER STATUS	Х					Х		

SEQUENCE OF OPERATIONS

THE ROOFTOP UNIT WILL HAVE UNOCCUPIED, UNOCCUPIED HIGH TEMPERATURE LIMIT, UNOCCUPIED LOW TEMPERATURE LIMIT, MORNING COOL DOWN, MORNING WARM UP, AND OCCUPIED MODES OF OPERATION: RTU'S OCCUPIED MODE SHALL BE DETERMINED BY BAS SCHEDULE OR BY OPERATOR CONTROL AND BE INDICATED BY AN

SUPPLY FANS OFF

2. OUTSIDE AIR DAMPER CLOSED

- TEMPERATURE LIMIT MODE. CONTROLLER WILL OPERATE THE SUPPLY FAN AND COMPRESSORS TO PROVIDE SPACE COOLING. IF
- 3. INDEX THE ROOFTOP UNIT BACK TO UNOCCUPIED MODE WHEN THE SPACE TEMPERATURE DROPS BELOW 80F
- UNOCCUPIED LOW TEMPERATURE LIMIT 1. IN UNOCCUPIED MODE WHEN THE THERMOSTAT SERVED BY THIS RTU INDICATES THAT THE SPACE TEMPERATURE HAS FALLEN BELOW 60F (ADJ.), THE ROOFTOP UNIT WILL BE ENERGIZED IN THE UNOCCUPIED
- LOW TEMPERATURE LIMIT MODE. 2. ALL OUTSIDE AIR DAMPERS WILL REMAIN CLOSED AND THE RETURN AIR DAMPER WILL BE OPEN. 3. THE RTU OEM CONTROLLER WILL OPERATE THE SUPPLY FAN AND COMPRESSORS TO PROVIDE SPACE HEATING.
- 4. INDEX THE AIR HANDLING UNIT TO UNOCCUPIED MODE WHEN THE SPACE TEMPERATURE RISES ABOVE 60F
- 1. THE BAS OPTIMAL START SOFTWARE WILL CALCULATE A START TIME FOR THE SYSTEM. 2. IF THE THERMOSTAT SERVED BY THIS RTU INDICATES THAT THE SPACE TEMPERATURE IS ABOVE THE SPACE TEMPERATURE SETPOINT (ADJ.), THE RTU WILL ENTER THE MORNING COOL DOWN MODE. THE SYSTEM SHALL BE SET INTO THE UNOCCUPIED HIGH TEMPERATURE LIMIT MODE UNTIL THE SPACE TEMPERATURE REACHES OCCUPIED SETPOINT OR IF THE BUILDING BECOMES OCCUPIED, AT WHICH POINT THE RTU WILL ENTER THE

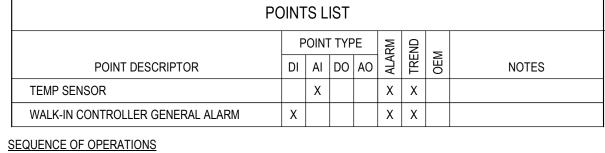
- 1. THE BAS OPTIMAL START SOFTWARE WILL CALCULATE A START TIME FOR THE SYSTEM 2. IF THE THE THERMOSTAT SERVED BY THIS RTU INDICATES THAT THE SPACE TEMPERATURE IS BELOW THE SPACE TEMPERATURE SETPOINT (ADJ.), THE RTU WILL ENTER THE MORNING WARMUP MODE. THE SYSTEM SHALL BE SET INTO THE UNOCCUPIED LOW TEMPERATURE LIMIT MODE UNTIL THE SPACE TEMPERATURE
- 1. THE BAS SCHEDULING WILL INDEX THE RTU FOR OCCUPIED OPERATION BASED ON OPTIMAL START ROUTINE. 2. THE OUTSIDE DAMPER POSITION WILL BE THE GREATER OF EITHER THE MINIMUM OPEN POSITION TO OBTAIN CALCULATED MINIMUM CFM OR DEMAND CO2 VENTILATION CONTROL RESET VALUE. A. USING SENSOR C02 PPM, IF THE C02 PPM RISES ABOVE 1000 PPM MODULATE THE OUTSIDE AIR DAMPER(S) TOWARD THE 100% OPEN POSITION AND THE RETURN AIR DAMPER(S) TOWARD THE 100% CLOSED POSITION TO INCREASE OUTSIDE AIR FLOW CFM ABOVE THE CALCULATED MINIMUM CFM SETPOINT, OR IF ECONOMIZER ACTIVE INCREASE OUTSIDE AIR CFM ABOVE WHAT IS REQUIRED FOR MIXED AIR TEMP CONTROL IF C02 PPM CONTINUES TO RISE TO A VALUE OF 1500 PPM (ADJ) THE OUTSIDE AIR DAMPER(S) SHALL BE AT 100% OPEN POSITION AND THE RETURN AIR DAMPER(S) AT 0% OPEN POSITION. AS C02 PPM STARTS TO FALL BELOW 1500 (ADJ) PPM MODULATE OUTSIDE AIR DAMPER(S) TOWARD THE 0% OPEN POSITION AND THE RETURN AIR DAMPER(S) TO THE 100% OPEN POSITION. AS THE C02 PPM CONTINUES TO FALL TO 1200 (ADJ) PPM THE POSITION OF THE OUTSIDE AIR DAMPER(S) AND THE RETURN DAMPER(S) SHALL BE CONTROLLED BY THE CALCULATED MINIMUM OUTSIDE AIR CFM SETPOINT OR IF ECONOMIZER IS
- AVAILABLE, MIXED AIR TEMP CONTROL. 3. THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY IN OCCUPIED MODE. THE FAN SPEED SHALL BE CONTROLLED BY THE RTU OEM CONTROLLER
- **ECONOMIZER** 1. THE ECONOMIZER WILL ACT AS INITIAL STAGE OF COOLING WHEN ACTIVATED ON SIGNAL FROM BAS.
- REVERSE WILL OCCUR IN A FALL IN SPACE AIR TEMPERATURE.

MAINTAIN THE SPACE COOLING TEMPERATURE.

THE RTU OEM CONTROLLER WILL UTILIZE THE GAS FURNACE AS PRIMARY HEATING. CONTROLLER WILL STAGE / MODULATE THE FURNACE AND SUPPLY FANS TO MAINTAIN SPACE HEATING SET POINT. THE HEATING MODE DISCHARGE AIR TEMPERATURE SHALL BE LIMITED TO 85 DEG (ADJ.) MAXIMUM.

ROOFTOP UNIT CONTROLS (NON-KITCHEN)

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



BAS CONTROLLER

SPACE

SENSOR

TYP. OF 5

WALK-IN CONTROLLER ALARM

FREEZER: 30 DEG (ADJ.)

TEMPERATURE SENSOR SHALL MONITOR SPACE TEMPERATURE WITHIN WALK-IN BOX. BAS SHALL ALARM IF TEMPERATURE IS GREATER THAN ALARM SETPOINT FOR MORE THAN 5 MIN (ADJ.) ALARM SETPOINTS:

COOLER: 40 DEG (ADJ.) PROVIDE CONNECTION TO NC DRY CONTACT ON WALK-IN CONTROLLERS. BAS SHALL ALARM ON SIGNAL FROM

CONTROLLER, AND SHALL AUTOMATICALLY SEND AN ALARM EMAIL TO MAINTENANCE SUPERVISOR (ADJ.)

3 WALK-IN BOX TEMPERATURE MONITORING
SCALE: 1/8" = 1'-0"

OCCUPANCY STATUS POINT.

RETURN AIR DAMPER OPEN

- UNOCCUPIED HIGH TEMPERATURE LIMIT 1. IN UNOCCUPIED MODE WHEN THE THERMOSTAT SERVED BY THIS RTU INDICATES THAT THE SPACE TEMPERATURE HAS RISEN ABOVE 85F (ADJ.), THE ROOFTOP UNIT WILL BE ENERGIZED IN THE UNOCCUPIED HIGH
- 2. IF THE ECONOMIZER IS NOT SIGNALED TO BE ACTIVE BY TEH BAS DURING THE UNOCCUPIED HIGH LIMIT PERIOD, ALL OUTSIDE AIR DAMPERS WILL REMAIN CLOSED AND THE RETURN AIR DAMPER WILL BE OPEN. THE RTU OEM ECONOMIZER IS AVAILABLE, FOLLOW THE ECONOMIZER SEQUENCE.

OCCUPIED MODE.

- REACHES OCCUPIED SETPOINT OR IF THE BUILDING BECOMES OCCUPIED, AT WHICH POINT THE RTU WILL ENTER THE OCCUPIED MODE.

- OTHERWISE THE ECONOMIZER SHALL BE DISABLED. 2. THE OUTSIDE AIR DAMPERS WILL MODULATE OPEN AS THE SPACE TEMPERATURE RISES ABOVE SETPOINT. THE
- RTU TEMPERATURE CONTROL 1. WHEN COOLING, THE RTU OEM CONTROLLER WILL STAGE/MODULATE THE COMPRESSORS AND SUPPLY FANS TO

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biloba Architecture, PLLC

Stanley D. Lindsey and Associates, Ltd.

1307 West Morehead Street, Suite 109

NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical,

NC Certificate of Licensure: F-1222

and Fire Protection Engineer

8801 JM Keynes Drive

Charlotte, NC 28262

Structural Engineer

Charlotte, NC 28208

McKim and Creed

Charlotte, NC 28227

704.841.2588

225.387.0101

Drawn

Checked

Revisions

08/15/24

08/28/24

8020 Tower Point Drive

Food Service Consultant Tipton Associates

449 Westmoreland Drive

Baton Rouge, LA 70806

NC Certificate of Licensure:

EMK

BJS

July 24, 2024

704.333.3122

Suite 365

704.248.2922

www.biloba.co

Upper Prospector Renovation

SCO ID No. 23-26198-02A

UNC Charlotte

Charlotte, NC

McKim & Creed Project No. 07911-0005

Project Number 151B

MECHANICAL -**CONTROLS DIAGRAMS**

1 ELECTRICAL - LIGHTING - NEW WORK - SECOND FLOOR
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES, AND CEILING TYPES. COORDINATE CEILING TYPES AND PROVIDE FIXTURE TRIM AS REQUIRED.
- B. A CONSTANT HOT CONDUCTOR SHALL BE CONNECTED TO THE BATTERY BACK-UP OF ALL SWITCHED LIGHTING FIXTURES AND EXIT SIGNS AHEAD OF SWITCHING AND/OR RELAYS.
- C. SUBSCRIPT 'E' DENOTES EMERGENCY BRANCH. A UL924 DEVICE SHALL BE INSTALLED TO CONTROLL THESE FIXTURES DURING LOSS
- D. PROVIDE LIGHTING FIXTURES IN GYPSUMBOARD CEILINGS WITH A REMOTE DRIVER AND LOCATE DRIVER INCLUDING BRANCH CIRCUIT JUNCTION BOXES NEAR AN ACCESSIBLE CEILING PANEL. COORDINATE CEILING PANEL SIZE AND LOCATION IN THE FIELD.
- E. FIXTURES WITH LABLE 'NL' DENOTES NIGHT LIGHTS AND SHALL BE UNSWITCHED CONNECTED AHEAD OF LIGHTING CONTROLS.

KEYED NOTES:

- COORDINATE WITH OWNER FOR EXACT RECONFIGURATION LAYOUT FOR THE EXISTING PENDANT LIGHTS FOR EMERGENCY AND NORMAL LIGHTING IN THIS
- 2. LIGHTING FIXTURES AND DEVICES IN THE OASIS BAR SHALL BE PART OF ADD ALT-4. BASE BID FOR THIS AREA SHALL INCLUDE 10 P1A LIGHT FIXTURES, AND RUN FEEDERS AND CAP FOR FUTURE FOR PANEL 'OASIS'.
- 3. ADD ALT-3 SHALL INCLUDE REPLACEMENT OF LIGHT FIXTURES AND CONTROLS AS SHOWN. BASE BID SHALL NOT INCLUDE ANY RENOVATION TO THE BATHROOMS.
- 4. 16 RELAY LIGHTING CONTROL PANEL(LCP-1) WITH PROGRAMMABLE DIMMING RELAYS, DIGITAL TIME CLOCK, CONTACT INPUT FOR FIRE ALARM OVERIDE, VOLTAGE BARRIERS. SURFACE MOUNTED ENCLOSURE. PROVIDE ALL DEVICES, WIRING, CONDUIT AND COMPONENTS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. UL924 LISTED FOR EMERGENCY CIRCUIT USE.
- 5. LOW VOLTAGE DIMMING MASTER SWITCHES WITH THREE BUTTONS FOR ON/OFF, RAISE AND LOWER MANUAL CONTROLS. LOWER CASE SUBSCRIPT AT LIGHT FIXTURE AND SWITCH INDICATES CONTROL RELATIONSHIP (SWITCH ZONE). COORDINATE SWITCH LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 6. REMOTE OVERRIDE TIME SWITCH PROGRAMED AT LCP-1 FOR MANUAL ON/OFF CONTROL FOR A MAXIMUM OF 2 HOURS. SWITCH SHALL CONTROL LIGHTING FIXTURES WITH LOWER CASE f SUBSCRIPT, RELAY 1 ZONE AND CIRCUIT.COORDINATE SWITCH LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- 7. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 1 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE f SUBSCRIPT.
- 8. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 2 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE g SUBSCRIPT.
- 9. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 3 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE h SUBSCRIPT.
- 10. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 4 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE I SUBSCRIPT.
- 11. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 5
 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE J SUBSCRIPT.
- 12. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 6

ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE k SUBSCRIPT.

- 13. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 7 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE m sUBSCRIPT.
- 14. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 8 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE n SUBSCRIPT.
- 15. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 9
- ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE 6 SUBSCRIPT.

 16. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 10
- ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE c SUBSCRIPT.
- 17. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 11 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE d SUBSCRIPT.
- 18. PROVIDE 20A, 1POLE, 277V, 14KAIC SIEMENS NGB1B020 BREAKER IN EXISTING PANELBOARD EM.
- 19. PROVIDE EMERGENCY BYPASS RELAY TO ALLOW EMERGENCY FIXTURES TO BE CONTROLLED WITH NORMAL LIGHTING FIXTURES. LOSS OF NORMAL POWER SHALL FORCE THE EMERGENCY FIXTURE TO 100% LIGHT OUTPUT. COORDINATE ALL REQUIRED INTERCONNECTIONS AHEAD OF LIGHTING CONTROLS AND DEVICE LOCATION IN ACCORDANCE WITH MANUAFACTURER REQUIREMENTS.

biloba Architecture, PLLC



8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer

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1307 West Morehead Street, Suite 109
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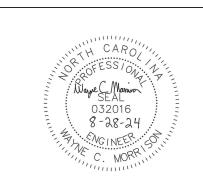
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8020 Tower Point Drive
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704.841.2588
NC Certificate of Licensure: F-1222

Food Service Consultant **Tipton Associates**449 Westmoreland Drive
Baton Rouge, LA 70806
225.387.0101
NC Certificate of Licensure:



Drawn EM
Checked WM
Date July 24, 2024

1 08/15/24 Addendum 2 08/28/24 Addendum

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Upper Prospector Renovation
UNC Charlotte

SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Charlotte, NC

Project Number 151B

ELECTRICAL LIGHTING - NEW WORK
- SECOND FLOOR

E201

WALL RATING LEGEND

2-HOUR RATED WALL

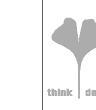
1-HOUR RATED WALL

TVDF		MODEL	AI TEDMATEO	MOLINITING	\/\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ING FIXTURE SO			TEMP DECODIDITION
TYPE	MANUFACTURER	MODEL	ALTERNATES	MOUNTING	VOLTAGE	WATTS	LAMP_TYPE	LUMENS	COLORI	TEMP DESCRIPTION
	ALW	MR1.5-CQ48/2-SS-MED/90/30 00-V00-N-SB/SB-UNV	ZENLITE ARC1 BASOLIGHTING CURVE2.5	SUSPENDED CABLE	120/277V	46W	LED	3000	3000K	QUARETER RING LED FIXTURE WITH 48" RADIUS (TWO QUARTER RINGS GROUPED TOGETHER FOR A HALF CIRCLE)
	ELLIPTIPAR	S124-H-12-E-22-M-V0-0-RGB-ZX-AV B-TP-DMX-0	V COLORKINETICS REACHLITE MARK LIGHTING MARKLINE 101	SURFACE WALL 9' AFF	120/277V	51W	RGBW	5505	3500K	12" LINEAR LED LIGHTING FIXTURE WITH RGBW, DIMMING DRIVER, WHITE HOUSEING AND WIRELESS RGBW LED DIMMER SWITCH CONTROLLER.
1	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SQD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4' SQUARE RECESSED LED DOWNLIGHT (NOTE 3)
E	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SQD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4' SQUARE RECESSED LED DOWNLIGHT (NOTE 3)
)	HE WILLIAMS	4DR SERIES	LITHONIA LDN4 ROUND SERIES PRESCOLITE LITEISTRY LTR-4RD SERIES	RECESSED	120/277V	28W	LED	3000	3000K	4" ROUND RECESSED LED DOWNLIGHT (NOTE 3)
ΣE	HE WILLIAMS	4DR SERIES	LITHONIA LDN4 ROUND SERIES PRESCOLITE LITEISTRY LTR-4RD SERIES	RECESSED	120/277V	28W	LED	3000	3000K	4" ROUND RECESSED LED DOWNLIGHT (NOTE 3)
3	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SQD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4' SQUARE RECESSED LED DOWNLIGHT. 90CRI (NOTE 3)
3E	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SQD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4' SQUARE RECESSED LED DOWNLIGHT. 90CRI (NOTE 3)
	WAC LIGHTING	TRACK SYSTEM H	LUMENTURE T50 SERIES JUNO R500 SERIES	TRACK	120V	11W	LED	500	3000K	TRACK LIGHTING FIXTURE, 90CRI,
	VODE	"WINGRAIL"	ALCON 12160 SERIES PURE EDGE PIPELINE SERIES		120/277V	24.4W	LED	1212	3000K	4' LED PENDANT LINEAR WALL WASH LUMINAIRE, STANDARD OUTPUT
Α	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	SURFACE	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" SURFACE MOUNT 6" DOWNLIGHT, 90CRI, WIDE OPTICS
IAE	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	SURFACE	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" SURFACE MOUNT 6" DOWNLIGHT, 90CRI, WIDE OPTICS
1B	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	PENDANT	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" PENDANT MOUNT 6" DOWNLIGHT. HANG LIGHT FIXTURE TO 11'-2" AFF, 90CRI, WIDE OPTICS
IBE	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	PENDANT	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" PENDANT MOUNT 6" DOWNLIGHT. HANG LIGHT FIXTURE TO 11'-2" AFF. 90CRI, WIDE OPTICS
2A	BEGA	"STUDIO-LINE - SHIELD"	BESA LIGHTING BES4495-0011 PROGRESS LIGHTING P5342-163059	PENDANT	120/277V	49W	LED	3260	3000K	LED PENDANT 23" DIAMETER LUMINAIRE 80+ CRI,
2B	BEGA	"STUDIO-LINE - SHIELD"	BESA LIGHTING BES4495-0011 PROGRESS LIGHTING P5342-163059	PENDANT	120/277V	49W	LED	3260	3000K	LED PENDANT 23" DIAMETER LUMINAIRE 80+ CRI, SAME FIXTURE TYPE AS P2A, BUTFINISH SHALL BE DIFFERENT. COORDINA' WITH ARCHITECT.
3	APOLLO	"MICRO-SUSPENSION"	CERCHIO LIGHTING VIOLA PENDNAT VIVEX LIGHTING WALDORF 7" PENDANT (SHATTER PROOF BULB REQUIRED)	PENDANT	120/277V	50W	MR16 GX5.3		3000K	ARCHITECTURAL PENDANT DOWNLIGHT
1	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	54W	LED	6500	3500K	2X2 TROFFER, TRIPLE GASKETED
1E	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	54W	LED	6500	3500K	2X2 TROFFER, TRIPLE GASKETED
2	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	48W	LED	5900	3500K	2X4 TROFFER, TRIPLE GASKETED
2E	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	48W	LED	5900	3500K	2X4 TROFFER, TRIPLE GASKETED
3	HE WILLIAMS	LT SERIES	LITHONIA VTL SERIES COLUMBIA LIGHTING LCAT-S SERIES	RECESSED	120/277V	30W	LED	3000	3500K	2X2 BASKET SYTLE TROFFER
	ARANCIA	"DRUM P82"	FINELITE HP2 PROGRESS LIGHTING	PENDANT	120/277V	55W	LED	4700	3000K	44" LED PENDANT DRUM
	LLI CANANA.	LLI-DPW-SF-CW7.0W-R30-PWR	KELVIX BTX SERIES AND JUNO JFX.	SURFACE	120/277V		RGBW	194 LM/LF	3000K	LED TAPELIGHT WITH SILVER FINISH AND FROSTED LENS. PROVIDE ONE LLI-C-CTRL-DMS-STICK-CW4 CONTROLLER FOR OASIS T1 FIXTURES. PROVIDE ONE LLI-C-CTRL-RGBW-TP-WH CONTROLLER FOR HALAL SHACK T1 FIXTURE. PROVIDE ONE LLI-C-CTRL-RGBW-TP-WH CONTROLLER FOR MAIN DINING AREA T1 FIXTURES.
	HE WILLIAMS	EXIT/EL	LITHONIA EDG-EDGR SERIES COMPASS CEL SERIES	CEILING/WALL	120/277V 120/277V	74W 4W	LED	1924	-	LIGHT FIXTURE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. VERIFY MOUNTING WITH ARCHITECTURAL PLANS

GENERAL NOTES:

ALL FINISHES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING.
 COORDINATE MOUNTING WITH ARCHITECT CEILING PRIOR TO ORDERING.
 PROVIDE LIGHT FIXTURE WITH A REMOTE DRIVER WHERE MOUNTED IN GYPSUM BOARD CEILING.

biloba Architecture, PLLC



8801 JM Keynes Drive Suite 365 Charlotte, NC 28262 704.248.2922 www.biloba.co

Structural Engineer Stanley D. Lindsey and Associates, Ltd. 1307 West Morehead Street, Suite 109 Charlotte, NC 28208 704.333.3122 NC Certificate of Licensure: C-3232

Plumbing, Electrical, Mechanical, and Fire Protection Engineer McKim and Creed 8020 Tower Point Drive Charlotte, NC 28227 704.841.2588 NC Certificate of Licensure: F-1222

Food Service Consultant Tipton Associates 449 Westmoreland Drive Baton Rouge, LA 70806 225.387.0101 NC Certificate of Licensure:



Drawn
Checked
Date
Revisions
2 | 08/28/24 EM WM

July 24, 2024

Addendum 2

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Renovation UNC Charlotte Charlotte, NC

Upper Prospector

SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Project Number 151B

Title

ELECTRICAL
SCHEDULES

,	VOLTAGE: 480/2 PHASE: 3 WIRE: 4	77 Wye	MAINS TYPE: MLO MAINS RATING: 400 MCB RATING: 175									osu	JRE N	ROM: EMA Type 1 TING: Surface	LOCATI	18 :KAIC RAT On: Utility 12	
LOAD	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG			4	В	3	(CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD
Spare; REC; MISC	3-#2/0, 1-#2/0, 1-#6	2"	EX. 112.5KVA	175	1 3 5	50.99	4.3	46.03	4.3	44.71	4.3	2 4 6	20	AIR CURTAIN (NOTE 1)	3/4"	3-#12, 1-#12	Equipn ent
Equipm ent	3-#12, 1-#12	3/4"	AIR CURTAIN (NOTE 1)	20	7 9 11	4.3	4.3	4.3	4.3	4.3	4.3	8 10 12	20	AIR CURTAIN (NOTE 1)	3/4"	3-#12, 1-#12	Equipn ent
Equipm ent	3-#12, 1-#12	3/4"	AIR CURTAIN (NOTE 1)	20	13 15 17	4.3	4.3	4.3	4.3	,43,	43	14 16 18	20	AIR CURTAIN (NOTE 1)	3/4"	3-#12, 1-#12	Equipr ent
HVAC	3-#6, 1-#10	1"	KMAU-3 (NOTE 1)	45	10 21 23	9.27	5.06	9.27	5.06		1	20 22)24	30	KMAU-1 (NOTE 1)	3/4"	3-#10, 1-#10	HVAC
HVAC	3-#6, 1-#10	1"	KMAU-2 (NOTE 1)	45	25 27 29	9.27	0.83	9.27	0.83	9.27	0.83	26 28 30	20	KX-1 (NOTE 1)	3/4"	3-#12, 1-#12	Larges Motor
Motor	3-#12, 1-#12	3/4"	KX-2 (NOTE 1)	20	3% 38 35	1.33	1.33	1.33	1.33	1.33	1.33)32)34)36	20	KX-3 (NOTE 1)	3/4"	3-#12, 1-#12	Motor
HVAC	3#6, 1-#10	1"	RTU-1 (NOTE 1)	50	37 30 41	10.23	4	10.23		10.23	7)38) ⁴⁰ 42	20	EH-1 (NOTE 1)	3/4"	2#10,1#10	Heatin
			TOTAL CONN. LO	OAD (k)	VA)ز	113	3.82	104	.86	103	3.54						
			LOAD CLASSIFICATION Motor Equipment Heating HVAC REC MISC Kitchen Largest Motor	7. 64 4. 101 11 3. 6.	98 k .55 k .00 k 1.49 .51 k .72 k 3.49	VA VA VA kVA VA VA kVA	DEM	100 100 100 100 100 93 100 72	FACT(OR ·	7.98 64.55 4.00 101.4 10.76 6.72 89.26	KVA kVA kVA 9 kV 6 kVA kVA		TOTAL CONNECTED TOTAL CONNECTED TOTAL ESTIMATED DEMAND TOTAL ESTIMATED DEMAND	LOAD 33 AMPS: 34 LOAD 28	22.23 kVA 46	

SIEMENS: TYPE P2

	VOLTAGE: 208/12 PHASE: 3 WIRE: 4	20 Wye	MAINS TYPE: MCB MAINS RATING: 225 MCB RATING: 225									.osu	IRE N	FROM: 2004DP EMA Type 1 ITING: Surface	LOCAT	10 :KAIC RATI	
LOAD CLASS	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO			E	В		2	CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	C
Kitchen	1-#12, 1-#12, 1-#12	3/4"	HOT WELLS (NOTE 2)	20	1	1.3	1.3					2	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	HOT WELLS (NOTE 2)	20	3			0.65	1.3			4	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	HOT WELLS (NOTE 2)	20	5					1.3	1.3	6	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	HOT WELLS (NOTE 2)	20	7	1.3	1.3					8	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	HOT WELLS (NOTE 2)	20	9			1.3	0.56			10	20	TVS	3/4"	1-#12, 1-#12, 1-#12	F
Kitchen	1-#12, 1-#12, 1-#12	3/4"	SNEEZE GUARD	20	11					0.48	0.48	12	20	SNEEZE GUARD	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	SNEEZE GUARD	20	13	0.48	1.08					14	20 ,	PQS	3/4"	1-#12, 1-#12, 1-#12	F
Kitchen	1-#12, 1-#12, 1-#12	3/4"	RICE HOLDING CABINET	20	15			1.78	0.18			16	20{	BOTTLE COOLER LARGE \	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	REF PREP TABLE	20	17					1.08		18	\	SPACE	-	-	
Kitchen	1-#12, 1-#12, 1-#12	3/4"	WORKTOP FREEZER	20	19	0.64	1.08					20	20	REF PREP TABLE	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	2 46 1 410	1"	ELECTRIC GRIDDLE TOR (NOTE 2)	ΕO	21			1.8	0.71			22	20	REACH-IN REF	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	2-#6, 1-#10	'	ELECTRIC GRIDDLE TOP (NOTE 2)	50	23					1.8	0.9	24	20	MICROWAVE	3/4"	2-#12. 1-#12	Ki
	-	-	SPACE		25		0.9					26	20	MICROWAVE	3/4	2-#12, 1-#12	Kı
Kitchen	1-#12, 1-#12, 1-#12	3/4"	REACH-IN FREEZER	20	27			0.75	1.2			28	20	FOOD PROCESSOR	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	WATER HEATERS	20	29					0.96	0.36	30	20	GREASE TANK	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	COUNTER TOP REFRIGERATOR	20	31	0.26	1.08					32	20	RECS	3/4"	1-#12, 1-#12, 1-#12	Ki
MISC	1-#12, 1-#12, 1-#12	3/4"	SIGNAGE	20	33			0.18	0.98			34	20	REFRIGERATOR	3/4"	1-#12, 1-#12, 1-#12	Ki
MISC	1-#12, 1-#12, 1-#12	3/4"	KITCHEN HOOD	20	35					1.4	0.03	36	20	FRYER TIMER	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	REACH-IN REF	20	37	1.08	0.6					38	20	FRYER POT (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Ki
Kitchen	1-#12, 1-#12, 1-#12	3/4"	AUTO WORK RANGE	20	39			0.18				40		SPACE	-	-	
MISC	1-#12, 1-#12, 1-#12	3/4"	ANSUL CONTROL PANEL	20	41					0.36	0	42	20	SPARE	-	-	
			TOTAL CONN. LO	AD (k'	/A):	12	.4	11	.57	10	.45						
			LOAD CLASSIFICATION	<u>CO1</u>	INE	CTED	DEN	IAND	FACT	<u>OR</u>	DEN	1ANI	<u>)</u>				
			REC	1.	64 k	VA		10	0		1.64	ŀkVA	١	TOTAL CONNECTED	AMPS: 9	96	
			MISC	1.	94 k	VA		10	0		1.94	ŀkVA	١.	TOTAL CONNECTED	LOAD: 3	34.42 kVA	
			Kitchen	30	.84 k	ΚVA		73	3		22.6	4 kV	4	TOTAL ESTIMATED DEMAND			
														TOTAL ESTIMATED DEMAND	LOAD: 2	26.22 kVA	
NOTE																	

MAINS TYPE: MCB MAINS RATING: 225									_		FROM: 2004DP EMA Type 1		10 :KAIC RATIN	NG		biloba Architecture, PLLC
MCB RATING: 225								LITOL			ITING: Surface	LOCAT	ION: ELECTRICA	L 111		biloba Alciiitectare, i LLO
LOAD DESCRIPTION	BRKR RTG			A		В		3		BRKR		COND IN.	WIRE SIZE PH / N / GND	LOAD CLASS		46
T WELLS (NOTE 2)	20	1	1.3	1.3					2	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		
T WELLS (NOTE 2)	20	3			0.65	1.3			4	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		
T WELLS (NOTE 2)	20	5					1.3	1.3	6	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		think design
T WELLS (NOTE 2)	20	7	1.3	1.3					8	20	HOT WELLS (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		mink upaign
T WELLS (NOTE 2)	20	9			1.3	0.56			10	20	TVS	3/4"	1-#12, 1-#12, 1-#12	REC		8801 JM Keynes Drive
EEZE GUARD	20	11					0.48	0.48	12	20	SNEEZE GUARD	3/4"	1-#12, 1-#12, 1-#12	Kitchen		Suite 365
EEZE GUARD	20	13	0.48	1.08					14	20 _	PQS	3/4"	1-#12, 1-#12, 1-#12	REC		Charlotte, NC 28262
CE HOLDING CABINET	20	15			1.78	0.18			16	20{	BOTTLE COOLER LARGE)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		704.248.2922
F PREP TABLE	20	17					1.08		18	\	SPACE	-	-			www.biloba.co
ORKTOP FREEZER	20	19	0.64	1.08					20	20	REF PREP TABLE	3/4"	1-#12, 1-#12, 1-#12	Kitchen		
CTRIC CRIPDI E TOR (NOTE 2)	E0	21			1.8	0.71			22	20	REACH-IN REF	3/4"	1-#12, 1-#12, 1-#12	Kitchen		
ECTRIC GRIDDLE TOR (NOTE 2)	50	23					1.8	0.9	24	20	MICROWAVE	3/4"	0 #10 1 #10	Vitab an		Structural Engineer
SPACE		25		0.9					26	20	WICKOWAVE	3/4	2-#12, 1-#12	Kitchen		Stanley D. Lindsey and Associates, Ltd.
ACH-IN FREEZER	20	27			0.75	1.2			28	20	FOOD PROCESSOR	3/4"	1-#12, 1-#12, 1-#12	Kitchen		1307 West Morehead Street, Suite 109
ATER HEATERS	20	29					0.96	0.36	30	20	GREASE TANK	3/4"	1-#12, 1-#12, 1-#12	Kitchen		Charlotte, NC 28208
UNTER TOP REFRIGERATOR	20	31	0.26	1.08					32	20	RECS	3/4"	1-#12, 1-#12, 1-#12	Kitchen		704.333.3122
SNAGE	20	33			0.18	0.98			34	20	REFRIGERATOR	3/4"	1-#12, 1-#12, 1-#12	Kitchen		NC Certificate of Licensure: C-3232
CHEN HOOD	20	35					1.4	0.03	36	20	FRYER TIMER FRYER POT (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		
ACH-IN REF	20	37	1.08	0.6					38	20	FRYER POT (NOTE 2)	3/4"	1-#12, 1-#12, 1-#12	Kitchen		Plumbing, Electrical, Mechanical,
TO WORK RANGE	20	39			0.18				40		SPACE	-	-		,	and Fire Protection Engineer
SUL CONTROL PANEL	20	41					0.36	0	42	20	SPARE	-	-		/ı\	McKim and Creed
TOTAL CONN. LO	AD (k	VA):	12	2.4	11	.57	10	.45								8020 Tower Point Drive
OAD CLASSIFICATION		NEC 64 k\		DEM	IAND 10		<u>OR</u>	<u>DEN</u>	IANI I kV	_	TOTAL CONNECTED A	AMPS: 0	96			Charlotte, NC 28227 704.841.2588
IISC		94 k\			10				ŀkV <i>⊦</i>		TOTAL CONNECTED L					NC Certificate of Licensure: F-1222
itchen		.84 k			73			22.6			TOTAL ESTIMATED DEMAND A					
					. ,					•	TOTAL ESTIMATED DEMAND L					Food Service Consultant
																Tipton Associates
																449 Westmoreland Drive
																Baton Rouge, LA 70806
IRCUIT BREAKER.																225.387.0101
ER																NC Certificate of Licensure:
															1	

	VOLTAGE: 208/1 PHASE: 3 WIRE: 4	20 Wye	MAINS TYPE: MCB MAINS RATING: 225 MCB RATING: 225									.osı	JRE NI	ROM: 2004DP EMA Type 1 ITING: Surface	LOCAT	10 :KAIC RATII	
LO/ CLA		COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO		A	E	В		C	CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD
Kitch		3/4"	CHIP WARMER	20	1		1.35	_				2	20	COOKIE OVEN	3/4"	1-#12, 1-#12, 1-#12	REC
Kitch	en 1-#12, 1-#12, 1-#12	3/4"	HOT FOOD WELL	20	3			1	1.56			4					
	-	-	SPARE	20	5					0	1.56	6	20	WELL HOT FOOD COUNTER	3/4"	2-#12, 1-#12	Kitche
Kitch	en 1-#12, 1-#12, 1-#12	3/4"	TORTILLA PRESS	20	7	1.8	0.48					8	20	PREP TOP REFRIGERATOR	3/4"	1-#12, 1-#12, 1-#12	Kitche
Kitch	en 1-#12, 1-#12, 1-#12	3/4"	TORTILLA PRESS	20	9			1.8	0.8			10	20	FRYER CONTROLS (NOTE 1)	3/4"	1-#12, 1-#12, 1-#12	Kitche
Kitch	en 1-#12, 1-#12, 1-#12	3/4"	TORTILLA PRESS	20	11					1.8		12		SPACE	-	-	
Kitch		3/4"	REFRIGERATED EQUIP. BASE (NOTE 1)	20	13	0.38	0.6					14	20	REF WORK TOP	3/4"	1-#12, 1-#12, 1-#12	Kitche
	-	-	SPACE		15				1.5			16	20	HEATED CABINET	3/4"	1-#12, 1-#12, 1-#12	Kitche
					17					2.67	0	18	20	SPARE	-	-	
Kitch	en 3-#10, 1-#10	3/4"	CONVECTION STEAMER (NOTE 1)	30	19	2.67	1.44					20	20	FOOD PROCESSOR	3/4"	1-#12, 1-#12, 1-#12	Kitche
					21			2.67	1.56			22	20	BLENDER	3/4"	1-#12, 1-#12, 1-#12	Kitche
	-	-	SPACE		23						3.36	24					
RE	1-#12, 1-#12, 1-#12	3/4"	TVS	20	25	0.72	3.36					26	20	CONVECTION STEAMER (NOTE 1)	3/4"	3-#12, 1-#12	Kitche
MIS	C 1-#12, 1-#12, 1-#12	3/4"	SIGNAGE	20	27			0.18	3.36			28					
MIS	C 1-#12, 1-#12, 1-#12	3/4"	KITCHEN HOOD	20	29					1.4		30		SPACE	-	-	
REC	1-#12, 1-#12, 1-#12	3/4"	RECS	20	31	1.08	0					32	20	SPARE	-	-	
	-	-	SPARE	20	33			0	0			34	20	SPARE	-	-	
	-	-	SPARE	20	35					0	0	36	20	SPARE	-	-	
	-	-	SPARE	20	37	0	0					38	20	SPARE	-	-	
	-	-	SPARE	20	39			0	0			40	20	SPARE	-	-	
MIS	C 1-#12, 1-#12, 1-#12	3/4"	ANSUL CONTROL PANEL	20	41					0.36	0	42	20	SPARE	-	-	
			TOTAL CONN. LO	AD (k\	/A):	14	.36	14	.43	11	.15						
			LOAD CLASSIFICATION	CON	INEC	CTED	DEN	IAND	FACT	<u>OR</u>	DEN	/ANI	<u> </u>				
			REC	2.	97 k\	٧A		10	0		2.97	kV/	A	TOTAL CONNECTED	AMPS:	111	
			MISC	1.	94 k\	VΑ		10	0		1.94	₽ kV	A	TOTAL CONNECTED	LOAD:	39.93 kVA	
			Kitchen	35	.02 k	VΑ		86	3		30.2	3 kV	A	TOTAL ESTIMATED DEMAND			
														TOTAL ESTIMATED DEMAND	LOAD:	35.14 kVA	
	ES:																

1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12	3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	MAINS TYPE: MCB MAINS RATING: 100 MCB RATING: 100 LOAD DESCRIPTION UC REF COLD PAN TORTILLA PRESS HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	BRKR RTG 20 20 20 20 20 20 20		1	0.27	0.7	0.9	C	ENCL	DSU 1	RE NE MOUN BRKR RTG	ROM: 2004DP EMA Type 1 TING: Surface LOAD DESCRIPTION UC FREEZER	COND IN. 3/4"	10 :KAIC RATII ION: ELECTRICA WIRE SIZE PH / N / GND 1-#12, 1-#12, 1-#12	
RE SIZE (N / GND) 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12	IN. 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" -	LOAD DESCRIPTION UC REF COLD PAN TORTILLA PRESS HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20 20 20 20 20 20 20	NO 1 3 5 7	0.24				C		CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAI
1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12 1.#12, 1.#12	IN. 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" -	UC REF COLD PAN TORTILLA PRESS HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20 20 20 20 20 20 20	NO 1 3 5 7	0.24				C		NO 2	RTG		IN.	PH / N / GND	CLAS
1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 - 1-#12, 1-#12	3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	COLD PAN TORTILLA PRESS HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20 20 20 20	3 5 7		0.27	0.7	0.9				20	UC FREEZER	3/4"	1-#12, 1-#12, 1-#12	Kitche
1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 - 1-#12, 1-#12	3/4" 3/4" 3/4" 3/4" 3/4"	TORTILLA PRESS HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20 20 20	5 7	1.92		0.7	0.9			4					
1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 - 1-#12, 1-#12	3/4" 3/4" 3/4" 3/4"	HEATED CABINET REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20	7	1 92							20	HOT WELLS	3/4"	2-#12, 1-#12	Kitche
1-#12, 1-#12 1-#12, 1-#12 1-#12, 1-#12 - 1-#12, 1-#12	3/4" 3/4" 3/4"	REFRIGERATOR FREEZER CONVECTION OVEN (NOTE 1)	20		1 92				1.8	0.9	6	20	TIOT WELLS	3/4	2-#12, 1-#12	KILCITE
1-#12, 1-#12 1-#12, 1-#12 - 1-#12, 1-#12	3/4"	FREEZER CONVECTION OVEN (NOTE 1)		9		1.92					8	20	HEATED CABINET	3/4"	1-#12, 1-#12, 1-#12	Kitche
1-#12, 1-#12 - 1-#12, 1-#12	3/4"	CONVECTION OVEN (NOTE 1)	20				0.8	8.0			10	20	REFRIGERATOR	3/4"	1-#12, 1-#12, 1-#12	Kitche
- 1-#12, 1-#12	-	· , ,		11					8.0	0.96	12	20	CONVECTION OVEN (NOTE 1)	3/4"	1-#12, 1-#12, 1-#12	Kitche
. , .		00405	20	13	0.96						14		SPACE	-	-	
. , .	3/4"	SPACE		15				0			16	20	SPARE	-	-	
1-#12, 1-#12	0/-	FREEZER	20	17					0.8	1.44	18	20	RECS	3/4"	1-#12, 1-#12, 1-#12	REC;
	3/4"	TVS	20	19	0.54	0.68					20	00	IOE MAKED (MOTE 0)	0/48	0 1140 4 1140	1211
1-#12, 1-#12	3/4"	SIGNAGE	20	21			0.36	0.68			22	20	ICE MAKER (NOTE 3)	3/4"	2-#12, 1-#12	Kitche
1-#12, 1-#12	3/4"	KITCHEN HOOD	20	23					1.4	0.36	24	20	GRIDDLE CONTROLS (NOTE 1)	3/4"	1-#12, 1-#12, 1-#12	Kitche
	2/411			25	0.68						26		SPACE	-	-	
12, 1-#12	3/4"	ICE MAKER (NOTE 3)	20	27			0.68	0.96			28	20	FRYER FILTRATION (NOTE 1)	3/4"	1-#12, 1-#12, 1-#12	Kitche
1-#12, 1-#12	3/4"	SODA & ICE DISPENSER (NOTE 2)	20	29					1.02		30		SPACE	-	-	
1-#12, 1-#12	3/4"	FRYER (NOTE 1)	20	31	0.36	0					32	20	SPARE	-	-	
-	-	SPACE		33				0			34	20	SPARE	-	-	
-	-	SPARE	20						0	0	36	20	SPARE	-	-	
-			20		0	0					\rightarrow			-	-	
-							0	0			40	20	SPARE	-	-	
1-#12 1-#12							-		0.36	0	-			_		
	0, 1				7.	 57	5.8	38				20	S17412			
		LOAD CLASSIFICATION	COI	NNF	CTED	DEM	IAND I	FACT	OR	DEM	ΔΝΓ)				
						<u> </u>			<u> </u>	_		_	TOTAL CONNECTED A	MPS. 6	35	
		Kitchen	10). / J F	\VA		70	'		14.30	K V Z	`				
1-#	#12, 1-#12 - -	#12, 1-#12 3/4" #12, 1-#12 3/4" 	#12, 1-#12 3/4" SODA & ICE DISPENSER (NOTE 2) #12, 1-#12 3/4" FRYER (NOTE 1)SPACE SPARE SPARE SPARE #12, 1-#12 3/4" ANSUL CONTROL PANEL	#12, 1-#12 3/4" SODA & ICE DISPENSER (NOTE 2) 20 #12, 1-#12 3/4" FRYER (NOTE 1) 20SPACE SPARE 20 SPARE 20 SPARE 20 #12, 1-#12 3/4" ANSUL CONTROL PANEL 20 TOTAL CONN. LOAD (k LOAD CLASSIFICATION REC 0 MISC 2	3/4" ICE MAKER (NOTE 3) 20 27 27 27 27 27 27 27	3/4" ICE MAKER (NOTE 3) 20 27 27 27 27 27 27 28 29 29 29 29 29 29 29	1-#12 3/4" ICE MAKER (NOTE 3) 20 27	1-#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68	1-#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96 12, 1-#12 3/4" SODA & ICE DISPENSER (NOTE 2) 20 29 12, 1-#12 3/4" FRYER (NOTE 1) 20 31 0.36 0 SPACE 33 0 SPARE 20 35 SPARE 20 37 0 0 SPARE 20 39 0 0 0 12, 1-#12 3/4" ANSUL CONTROL PANEL 20 41 TOTAL CONN. LOAD (kVA): 7.57 5.88 LOAD CLASSIFICATION CONNECTED DEMAND FACTOR REC 0.90 kVA 100 1	1-#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96	1.412 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96	1-#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96 28 28 28 27 29 29 29 29 20 29 20 29 20 20	1.412 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96 28 20 12, 1.412 3/4" SODA & ICE DISPENSER (NOTE 2) 20 29 1.02 30 12, 1.412 3/4" FRYER (NOTE 1) 20 31 0.36 0 32 20 -	1.#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96 0.96 28 20 FRYER FILTRATION (NOTE 1) 12, 1.#12 3/4" SODA & ICE DISPENSER (NOTE 2) 20 29 0.68 0.96	1.#12 3/4" ICE MAKER (NOTE 3) 20 27 0.68 0.96 28 20 FRYER FILTRATION (NOTE 1) 3/4" 412, 1.#12 3/4" SODA & ICE DISPENSER (NOTE 2) 20 29 0.68 0.96 0.28 20 SPARE .	1.4 1

Kitchen 1 Kitchen 1 Kitchen 1 REC 1	WIRE SIZE PH / N / GND -#12, 1-#12, 1-#12 -#12, 1-#12, 1-#12 -#12, 1-#12, 1-#12	COND IN. 3/4" 3/4"	LOAD DESCRIPTION PREP TOP REF	BRKR RTG		ļ		_									
REC 1-: Kitchen 1-: Kitchen 1-: Kitchen 1-: REC 1-:	-#12, 1-#12, 1-#12 -#12, 1-#12, 1-#12			20					3		2		BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOA
(itchen 1-i (itchen 1-i REC 1-i		3/4"		20	1	0.36						2	20	KEG COOLER	3/4"	1-#12, 1-#12, 1-#12	Kitche
Kitchen 1-	-#12, 1-#12, 1-#12		UC FRIDGE	20	3			0.36	0.48			4	20	UNDERCOUNTER DRINK DISP.	3/4"	1-#12, 1-#12, 1-#12	Kitch
REC 1-		3/4"	HEATED DIPPERWELL	20	5					0.4	0.54	6	20	POS HEATED DIPPERWELL	3/4"	1-#12, 1-#12, 1-#12	Kitch
	-#12, 1-#12, 1-#12	3/4"	ICE CREAM DIPPING CAB	20	7	0.7	0.8					8	20	UC FRIDGE	3/4"	1-#12, 1-#12, 1-#12	Kitch
Kitchen 1-	-#12, 1-#12, 1-#12	3/4"	TVS	20	9			0.72	0.9			10	20	MILKSHAKE BLENDER	3/4"	1-#12, 1-#12, 1-#12	Kitch
	-#12, 1-#12, 1-#12	3/4"	ICE MAKER	20	11					0.8	0.9	12	20	REC DINING 102	3/4"	1-#12, 1-#12, 1-#12	REC
	-#12, 1-#12, 1-#12	3/4"	DRINK FOUNTAIN DINING 102	20	13	1.5	1.8					14	20	DAIRY COOLER	3/4"	1-#12, 1-#12, 1-#12	Kitch
	-#12, 1-#12, 1-#12	3/4"	FLAVOR STATION	20	15			1.2	0			16	20	SPARE	-		
	-#12, 1-#12, 1-#12	3/4"	JUICER	20	17					1.8	0.18	18	20	SODA GUN	3/4"	1-#12, 1-#12, 1-#12	Kitch
	-#12, 1-#12, 1-#12	3/4"	REC DINING 102	20	19	0.18	0.09					20					
	-#12, 1-#12, 1-#12	3/4"	HOT WATER DISPENSER	20	21			1.85	0.09			22	20	ICE MAKER (NOTE 2)	3/4"	2-#12, 1-#12	MIS
					23					3	0.18	24	20	REC DINING 102	3/4"	1-#12, 1-#12, 1-#12	REC
Kitchen	2-#10, 1-#10	3/4"	ESPRESSO MACHINE	30	25	3	0.4					26	20	SOUP WELL	3/4"	1-#12, 1-#12, 1-#12	Kitch
Kitchen 1-	-#12, 1-#12, 1-#12	3/4"	SOUP WELL	20	27			0.4	2.91			28				· · · · · · · · · · · · · · · · · · ·	
	-#12, 1-#12, 1-#12	3/4"	WAFFLE MAKER	20	29					1.1	2.91	30	30	PANINI GRILL	3/4"	2-#10, 1-#10	Kitch
	-#12, 1-#12, 1-#12	3/4"	BAR RECS	20	31	0.9	2.91					32					
	-#12, 1-#12, 1-#12	3/4"	REC DINING 102	20	33	3.5		1.26	2.91			34	30	PANINI GRILL	3/4"	2-#10, 1-#10	Kitch
	-#12, 1-#12, 1-#12	3/4"	UC FRIDGE	20	35					0.36	1.1	36	20	FROZEN BEVERAGE DISPENSER	3/4"	1-#12, 1-#12, 1-#12	Kitch
	-#12, 1-#12, 1-#12	3/4"	TORTILLA PRESS	20	37	1.8	1.8					38	20	TORTILLA PRESS	3/4"	1-#12, 1-#12, 1-#12	
	-#12, 1-#12, 1-#12		MERCHANDISER	20	39			1.07	0			40	20	SPARE	-	,,	
			SPARE	20	41			1.07	, J	0	0	42		SPARE	_		
			TOTAL CONN. LO			16.	.66	14.	.15	13		74			_		
				`													
			LOAD CLASSIFICATION				DEN	IAND		<u>UR</u>	DEN			TOTAL CO			
			REC		00 k\			10			6.00			TOTAL CONNECTED			
			MISC	_	18 k\			10			0.18			TOTAL CONNECTED	_		
			Kitchen	37.	.90 k	VA		81			30.59	9 kV	А	TOTAL ESTIMATED DEMAND			
														TOTAL ESTIMATED DEMAND	LOAD: 3	36.// KVA	

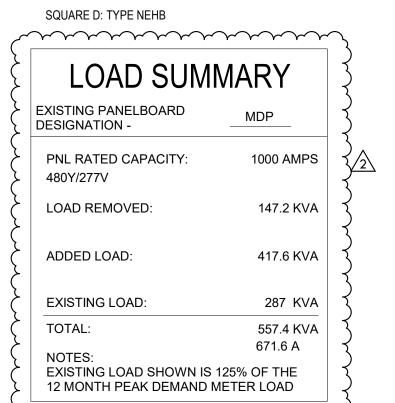
VOLTAGE: 208/120 Wye MAINS TYPE: MCB PHASE: 3 MAINS RATING: 200 WIRE: 4 MCB RATING: 200				SERVED FROM: EX.112.5KVA 10 :KAIC RATING ENCLOSURE NEMA Type 1 MOUNTING: Surface LOCATION: Space 101														
LOAD CLASS	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG				В		(C	CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD	
					1	4.38 1.08						2	20	REC DINING	3/4"	1-#10, 1-#10, 1-#10	REC	
Kitchen	3-#6, 1-#10	1"	COOLERS RACK SYSTEM	50	3			4.38	1.08			4	20	REC DINING	3/4"	1-#12, 1-#12, 1-#12	REC	
					5					4.38	1.44	6	20	VIDEO WALL	3/4"	1-#10, 1-#10, 1-#10	Equip	
REC	1-#12, 1-#12, 1-#12	3/4"	POS TOUCH SCREENS	20	7	0.72	0.72					8	20	REC DINING	3/4"	1-#12, 1-#12, 1-#12	REC	
REC	1-#12, 1-#12, 1-#12	3/4"	RACK POWER AV 117	20	9			1	0.68			10	20	ICE MAKER	3/4"	2-#12, 1-#12	Equip	
Equipm	2-#12, 1-#12	3/4"	ICE MAKER	20	11					0.68	0.68	12	20	ICE WAREIX	3/4	2-#12, 1-#12	ent	
ent	2-#12, 1-#12	3/4	TOE MAKEK	20	13	0.68	0.72					14	20	REC OFFICE 108	3/4"	1-#12, 1-#12, 1-#12	REC	
REC	1-#12, 1-#12, 1-#12	3/4"	EWC (NOTE 1)	20	15			0.8	1			16	20	RACK POWER AV 117	3/4"	1-#12, 1-#12, 1-#12	REC	
Equip	1-#12, 1-#12, 1-#12	3/4"	REC	20	17		\sim			1.02	0.5	18	20	BAS PANEL	3/4"	1-#12, 1-#12, 1-#12	Equip	
REC	1-#12, 1-#12, 1-#12	3/4"	REC DINING	20	19	1.26 (0.1	}				20	20	GX-1	3/4"	1-#12, 1-#12, 1-#12	Moto	
Motor	1-#12, 1-#12, 1-#12	3/4"	GX-2	20	21		/SC	0.86	0.1			22	20	TX-1	3/4"	1-#12, 1-#12, 1-#12	Moto	
HVAC	2-#10, 1-#10	3/4"	CU-1 (ADD-ALT 02)	30	23					2.6	1.44	24	20	ROOF TOP RECS	3/4"	1-#10, 1-#10, 1-#10	REC	
TIVAC	2-#10, 1-#10	3/4	CO-1 (ADD-AL1 02)	30	25	2.6	0.5					26	20	HEAT TRACE (GFI)	3/4"	1-#12, 1-#12, 1-#12	Equip	
REC	1-#10, 1-#10, 1-#10	3/4"	REC DINING 102	20	27			0.9	0.5			28	20	LCP-1	3/4"	1-#12, 1-#12, 1-#12	Equip	
REC	1-#12, 1-#12, 1-#12	3/4"	ATM	20	29					0.36	0.1	30	20	LCP-2	3/4"	1-#12, 1-#12, 1-#12	Equip	
Lighting	1-#12, 1-#12, 1-#12	3/4"	TRACK LIGHTING	20	31	0.08	0.16					32	20	TRACK LIGHTING	3/4"	1-#12, 1-#12, 1-#12	Lightir	
Equip	1-#10, 1-#10, 1-#10	3/4"	VIDEO WALL	20	33			1.44	1.44			34	20	VIDEO WALL	3/4"	1-#10, 1-#10, 1-#10	Equip	
Equip	1-#10, 1-#10, 1-#10	3/4"	VIDEO WALL	20	35					1.44	1.44	36	20	VIDEO WALL	3/4"	1-#10, 1-#10, 1-#10	Equip	
Equip	1-#10, 1-#10, 1-#10	3/4"	VIDEO WALL	20	37	1.44	5.1					38					Othe	
Equip	1-#10, 1-#10, 1-#10	3/4"	VIDEO WALL	20	39			1.44	4.68			40	100	TB-2	1-1/2"	3-#3, 1-#3, 1-#8	Spare	
Equip	1-#10, 1-#10, 1-#10	3/4"	VIDEO WALL	20	41					1.44	4.32	42					Equip	
			TOTAL CONN. LO	OAD (k)	/A):	19	.52	20	.29	21	.83							
			LOAD CLASSIFICATION	CON	CONNECTED DEM				ND FACTOR DE			1ANI	<u>D</u>		<i>،</i> ر	$\sim\sim\sim$		
		Motor 1.06 kVA					10	0		1.06 kVA 1.13 kVA			TOTAL CONNECTED AMPS: 171 TOTAL CONNECTED LOAD: 61.63 kVA					
		Other 1.13 kVA			10	0												
			Equipment	•			10	0		24.69 k\ 5.20 kV		Α	TOTAL ESTIMATED DEMAND AMPS: 164 TOTAL ESTIMATED DEMAND LOAD: 59.09 kVA					
			HVAC				10	0				4						
			Lighting	0.24 kVA				12	5			kVA						4
	REC Kitchen			14	.93 k	ΧVA		83	3			7 kV	Α			<u>/2\</u>		
				14.40 kVA				99			14.27 k\		Α					

,	VOLTAGE: 208/12 PHASE: 3 WIRE: 4	20 Wye	MAINS TYPE: MLO MAINS RATING: 100 MCB RATING: N/A									.osu	IRE N	FROM: TB-1 EMA Type 1 ITING: Surface	LOCAT	10 :KAIC RATII	NG	
LOAD CLASS	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO		4	E	3	(3	CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAI	
Equipm ent	2-#10, 1-#10	3/4"	ICE MAKER	25	3	1.84	0.42	1.84	1.7			2	20	COOLER LIGHTS	3/4"	1-#12, 1-#12, 1-#12	Kitche	
Other	1-#12, 1-#12, 1-#12	3/4"	COOLER COIL	20	5					0.2	1.7	6	25	FREEZER COIL	3/4"	2-#10, 1-#10	ent	
Kitchen	1-#12, 1-#12, 1-#12	3/4"	COOLER LIGHTS	20	7	0.42	0.42					8	20	COOLER LIGHTS	3/4"	1-#12, 1-#12, 1-#12	Kitche	
Other	1-#12, 1-#12, 1-#12	3/4"	COOLER COIL	20	9			0.2	0.18			10	20	EXISTING REFRIGERATOR	3/4"	1-#12, 1-#12, 1-#12	REC	
REC	1-#12, 1-#12, 1-#12	3/4"	EXISTING REFRIGERATOR	20	11					0.18	1.06	12	20	REC GENERAL KITCHEN 116	3/4"	1-#12, 1-#12, 1-#12	REC	
Equip	1-#12, 1-#12, 1-#12	3/4"	FLUSH VALVES	20	13	0.8	0.5					14	20	SUMP PUMP (GFI)	3/4"	1-#12, 1-#12, 1-#12	REC	
Equip	1-#12, 1-#12, 1-#12	3/4"	ELEVATOR CABS LIGHTS	20	15			0.5	0.2			16	20	MIXING VALVE	3/4"	1-#12, 1-#12, 1-#12	REC	
Other	1-#12, 1-#12, 1-#12	3/4"	RECIRC PUMP	20	17				Λ	0.27	0.2	18	20	WATER HEATER	3/4"	1-#12, 1-#12, 1-#12	Equip	
Other	1-#12, 1-#12, 1-#12	3/4"	WATER HEATER	20	19	0.2	0.2		<u> </u>			20	20	WATER HEATER	3/4"	1-#12, 1-#12, 1-#12	Othe	
Other	1-#12, 1-#12, 1-#12	3/4"	TF-1	15	21		/2	0.06	0			22	20	SPARE	-	-		
REC	1-#12, 1-#12, 1-#12	3/4"	SODA RACK SYSTEM	20	23			\sim		0.71	0	24	20	SPARE	-	-		
REC	1-#12, 1-#12, 1-#12	3/4"	DOOR OPERATOR	20	25	0.3	0					26	20	SPARE	-	-		
	-	-	SPARE	20	27			0	0			28	20	SPARE	-	-		
	-	-	SPARE	20	29					0	0	30	20	SPARE	-	-		
	-	-	SPARE	20	31	0	0					32	20	SPARE	-	-		
	-	-	SPARE	20	33			0	0			34	20	SPARE	-	-		
	-	-	SPARE	20	35					0	0	36	20	SPARE	-	-		
	-	-	SPARE	20	37	0	0					38	20	SPARE	-	-		
	-	-	SPARE	20	39			0	0			40	20	SPARE	-	-		
	-	-	SPARE	20	41					0	0	42	20	SPARE	-	-		
			TOTAL CONN. LC	OAD (k\	/A):	5	.1	4.0	68	4.	32							
			LOAD CLASSIFICATION	CON	CTED	DEN	IAND	OR DEMAND			<u>)</u>	\wedge						
			Other	1.13 kVA 2 8.57 kVA 3.13 kVA										TOTAL CONNECTED	/ \~ \~ \			
			Equipment					10		8.57 kVA				TOTAL CONNECTED LOAD: 14.09 kVA TOTAL ESTIMATED DEMAND AMPS: 39				
			REC					10	0		3.13 kVA							
			Kitchen	1.:	1.26 kVA				7		1.22 kVA		\	TOTAL ESTIMATED DEMAND LOAD 14.05 kVA 2				

LOAD SUMMARY	
PANEL	EP
RATING	70A
VOLTAGE	120/208V
EXISTING LOAD	51A
ADDED LOAD	5A
TOTAL LOAD	56A
EXSITING LOAD BA	ASED ON NEC 220
DEMAND FACTORS	3

VOLTAGE: 480/277 Wye MAINS TYPE: ML PHASE: 3 MAINS RATING: 100 WIRE: 4 MCB RATING: N/A												.osı	JRE N	FROM: IEMA Type 1 NTING: Surface	LOCAT	25EX :KAIC RATII	NG
LOAD	WIRE SIZE PH / N / GND	COND IN.	LOAD DESCRIPTION	BRKR RTG	CIR NO		4	E	3		С	CIR NO	BRKR RTG	LOAD DESCRIPTION	COND IN.	WIRE SIZE PH / N / GND	LOAD
	-	-	EX. LOAD	20	1	1.6	0.66					2	20	EX. LOAD	-	-	
	-	-	EX. LOAD	20	3			1.2	1.62			4	20	EX. LOAD	-	-	
	-	-	SPARE	20	5					0	0.92	6	20	EX. LOAD	-	-	
	-	-	EX. LOAD	20	7	0.52	0					8	20	SPARE	-	-	
	-	-	EX. LOAD	20	9			0.5	0			10	20	SPARE	-	-	
	-	-	SPARE	20	11					0	0	12	20	SPARE	-	-	
	-	-	SPARE	20	13	0	3					14	20	EX. LOAD	-	-	
	-	-	EX. LOAD	20	15			2	3			16	20	EX. LOAD	-	-	
	-	-	EX. LOAD	20	17					1.47	3	18	20	EX. LOAD	-	-	
	-	-	EX. LOAD	20	19	0.61	0.83					20	20	EX. LOAD	-	-	
	-	-	EXISTING.	20	21			0.52	0.83			22	20	EX. LOAD	-	-	
	-	-	EX. LUAD	20	23					0.5	0.83	24	20	EX. LOAD	-	-	
Other	1-#12, 1-#12, 1-#12	3/4"	LIGHTING	20	25	3.27	0.6					26	20	BOOTH LIGHTING	3/4"	1-#12, 1-#12, 1-#12	Other.
Other	1-#12, 1-#12, 1-#12	3/4"	OASIS LIGHTING	20	27			2.76	1.7			28	20	BOH LIGHTING	3/4"	1-#12, 1-#12, 1-#12	Lightin
					29							30					
		TOTAL CONN. LO	OAD (k\	/A):	11	1.09 14.14			6.72							•	
	LOAD CLASSIFICATION CONNECTED					TED	DEN	IAND	FACT	OR DEMAND			D				
Other					36 k\			10				36 kVA TOTAL CONNEC			FED AMPS: 38		
			Spare	_	.61 k			10			23.6			TOTAL CONNECTE		-	
			Lighting		97 k\			12			9.97			TOTAL ESTIMATED DEMAN			
			LTG		00 k\			0	-		0.00		=	TOTAL ESTIMATED DEMAN	_		

1. EXISTING LOAD DETERMINED BASED ON NEC 220 DEMAND FACTORS 2 SQUARE D: TYPE NEHB



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Upper Prospector Renovation

Drawn

Checked

Revisions 1 08/15/24

2 08/28/24

EM

WM

July 24, 2024

Addendum 1

UNC Charlotte Charlotte, NC SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

Project Number 151B

ELECTRICAL PANEL SCHEDULES