

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 --

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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".

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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.
1. 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.**

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3.2 PREFERRED 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

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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.

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- 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.
 4. 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

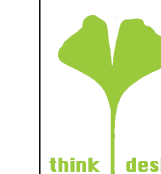
- A. Examine fire extinguishers for proper charging and tagging.
1. Remove and replace damaged, defective, or undercharged fire extinguishers.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

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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

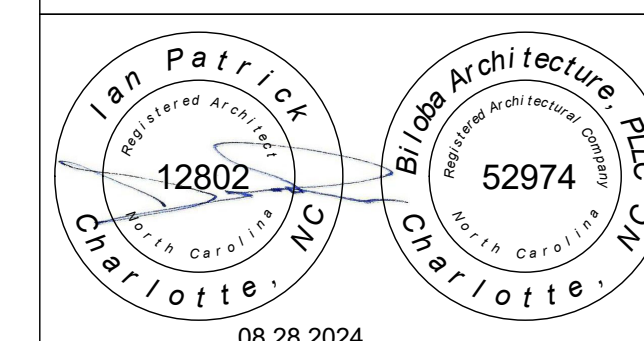


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08.28.2024

Drawn HRK

Checked IWP

Date July 24, 2024

Revisions

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

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Upper Prospecter Renovation

UNC Charlotte

Charlotte, NC

SCO ID No. 23-26198-02A

Project Number 151B

Title

Finish Plan and Notes

Sheet

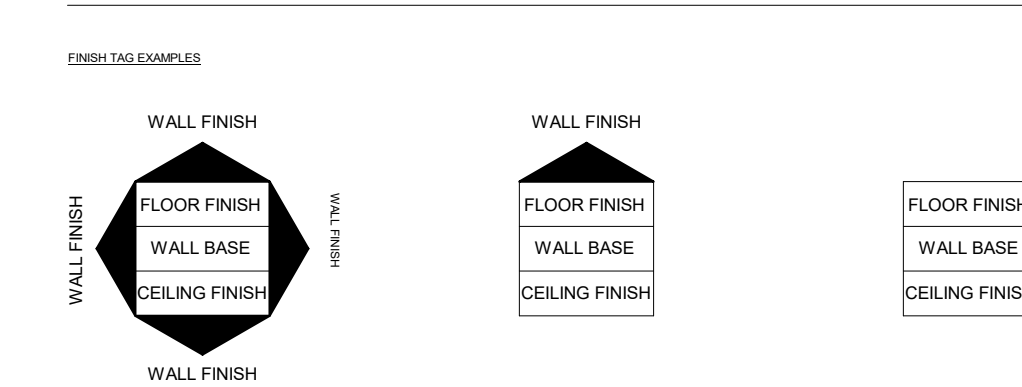
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Plate

FINISH NOTES

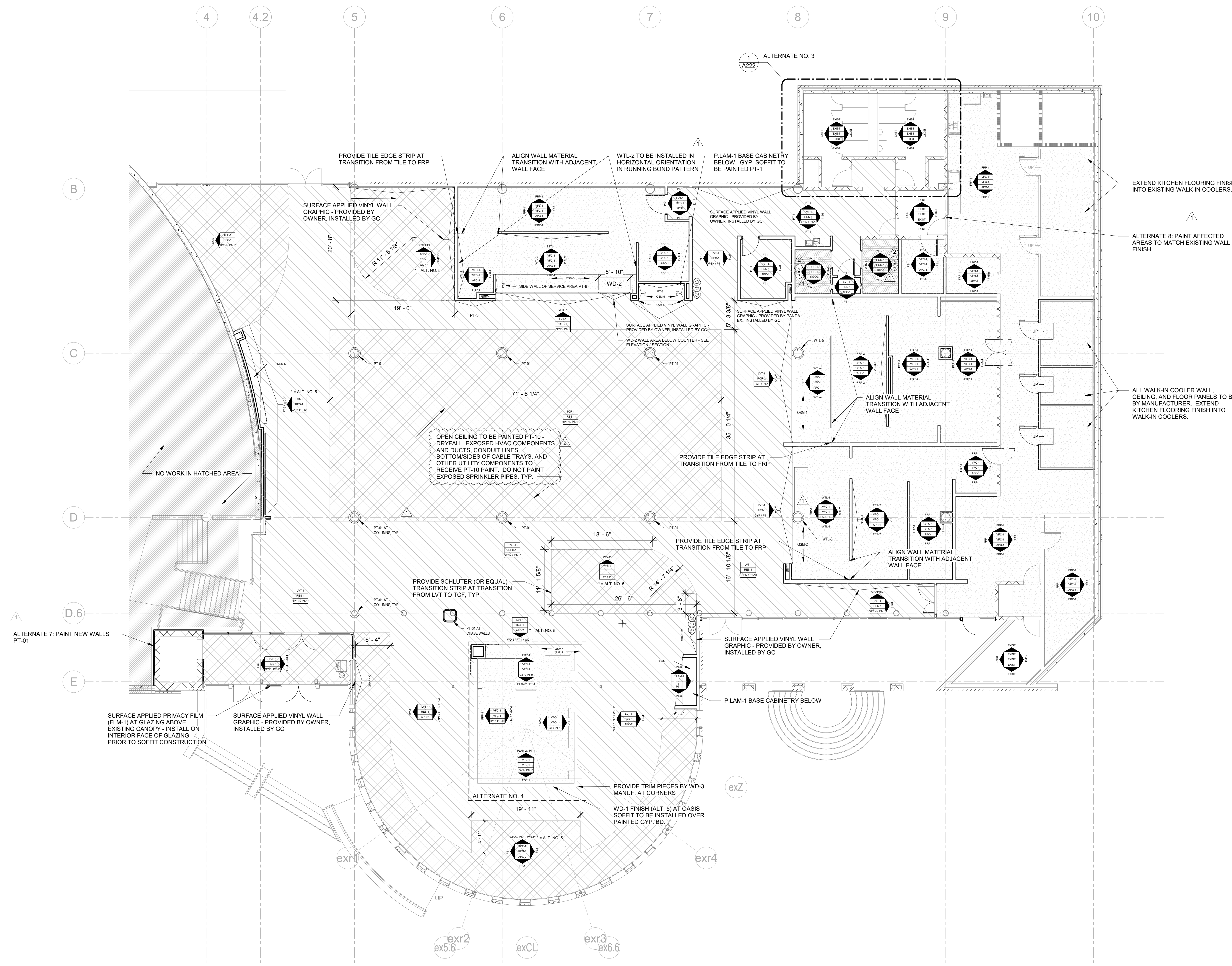
- ALL INTERIOR FINISHES SHALL COMPLY WITH NC STATE BUILDING CODE CHAPTER 5.
- MANUFACTURER'S NAME AND STOCK NUMBERS ARE PROVIDED TO IDENTIFY THE PATTERN, COLOR, AND TEXTURE DESIRED. OTHER MANUFACTURERS' PRODUCTS MEETING THE REQUIREMENTS SPECIFIED AND HAVING SIMILAR PATTERN, COLOR AND TEXTURE MAY BE ACCEPTABLE. SEE SPECS FOR LISTING OF ALTERNATE MANUFACTURERS.
- "EXISTING" OR "EXIST" REFERS TO EXISTING FLOOR, WALL, CEILING SURFACES, OR STRUCTURE.
- ALL DOOR FRAMES PAINTED SW 7069 "IRON ORE" U.N.O.
- ALL WALLS TO BE PAINTED PT-1 U.N.O.
- PAINT ALL NEW AND EXISTING GYP. BD. CEILINGS PT-1 U.N.O.

FINISH SYMBOL LEGEND

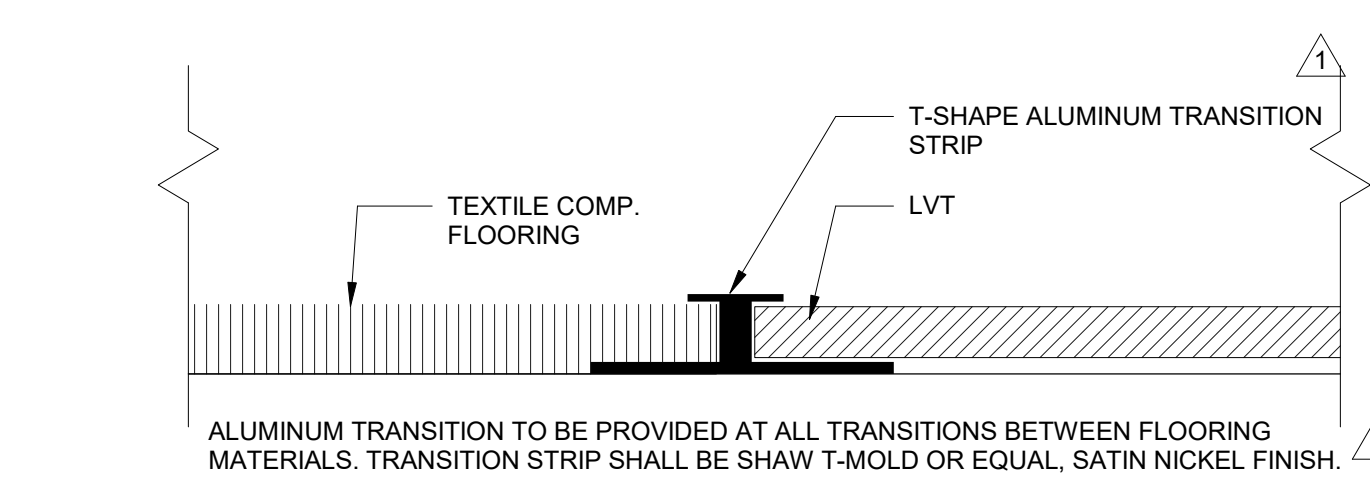


FINISH LEGEND

- | | |
|------|-----------------------------|
| APC | ACOUSTICAL PANEL CEILING |
| FLM | PRIVACY FILM |
| FRP | FIBERGLASS REINFORCED PANEL |
| GYP | GYP. BOARD |
| LVT | LUXURY VINYL TILE |
| PHEN | PHENOLIC PANEL |
| PLAM | PLASTIC LAMINATE |
| POR | PORCELAIN TILE |
| PT | PAINT |
| OSM | QUARTZ SURFACE MATERIAL |
| RES | RESILIENT RUBBER BASE |
| SSM | SOLID SURFACE MATERIAL |
| SSTL | STAINLESS STEEL |
| TCF | TEXTILE COMPOSITE FLOORING |
| VFC | VINYL FLOOR COVERING |
| WD | WOOD |
| WTL | WALL TILE |

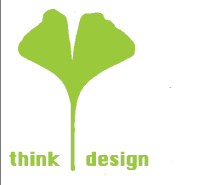


1 FINISH PLAN
1/8" = 1'-0"



2 TYPICAL FLOOR FINISH TRANSITION DETAIL
1/2" = 1'-0"

PROJECT SEALANT SCHEDULE			
SEALANT TYPE	DESCRIPTION	LOCATIONS	COLOR
SILICONE, S, NS, 50, NT	Single-component, nonsag, plus 50 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 50. Use NT.	Intersection of exterior walls and door and storefront frames.	As selected by Architect from manufacturer's full range
SILICONE, MILDEW RESISTANT, ACID CURING, S, NS, 25, NT	Mildew-resistant, single-component, nonsag, plus 25 percent and minus 25 percent movement capability, nontraffic-use, acid-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 25. Use NT.	Intersection of plumbing fixtures, fixed foodservice equipment and walls and countertops. Plastic paneling joints and penetrations.	Clear
ACRYLIC LATEX	Acrylic latex or siliconized acrylic latex, ASTM C834, Type OP, Grade NF	Intersection of interior walls and door and window frames.	White or Grey
URETHANE, S, NS, 25, T, NT	Single-component, nonsag, plus 25 percent and minus 25 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C920, Type S, Grade NS, Class 25. Uses T and NT	Wall and floor tile expansion joints	-
BUTYL	Butyl-rubber based	Door thresholds. Intersection of concealed dissimilar metals.	Black

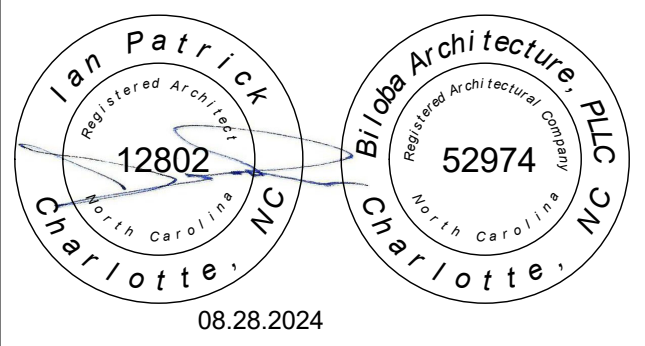


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Revisions
1 08/15/2024 Addendum 1
2 08/28/2024 Addendum 2

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**Upper Prospector
Renovation**
UNC Charlotte
Charlotte, NC
SCO ID No. 23-26198-02A

Project Number 151B

Title
**Finish Legend and Alt.
03 Finish Plan**

Sheet

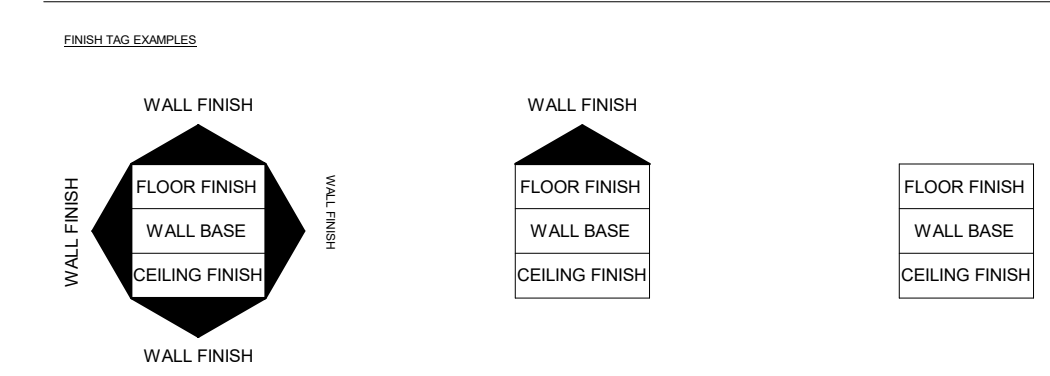
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FINISH NOTES

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.
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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 LEGEND

AB	ACOUSTICAL BAFFLE	PHEN	PHENOLIC PANEL	SSM	SOLID SURFACE MATERIAL
APC	ACOUSTICAL PANEL CEILING	PLAM	PLASTIC LAMINATE	SSTL	STAINLESS STEEL
FLM	FLM PRIVACY FILM	POR	PORCELAIN TILE	TCF	TEXTILE COMPOSITE FLOORING
FRP	FIBERGLASS REINFORCED PANEL	PT	PAINT	VFC	VINYL FLOOR COVERING
GYP	GYP SUM BOARD	OSM	QUARTZ SURFACE MATERIAL	WD	WOOD
LVT	LUXURY VINYL TILE	RES	RESILIENT RUBBER BASE	WTL	WALL TILE

WALL FINISH:

PT-1	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW7004 COLOR: SNOWBOUND GLOSS: EGGSHELL
PT-2	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6454 COLOR: SHAMROCK GLOSS: EGGSHELL
PT-3	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW7069 COLOR: IRON ORE GLOSS: EGGSHELL
PT-4	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6230 COLOR: RAINSTORM GLOSS: EGGSHELL
PT-5	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6228 COLOR: REFUGE GLOSS: EGGSHELL
PT-6	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6228 COLOR: LANGUID BLUE GLOSS: EGGSHELL
PT-7	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6224 COLOR: MOUNTAIN AIR GLOSS: EGGSHELL
PT-8	MATERIAL: PAINT MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW6911 COLOR: CONFIDENT YELLOW GLOSS: SATIN
PT-9	MATERIAL: PAINT MANUFACTURER: BENJAMIN MOORE PRODUCT NO: #147 COLOR: FRUITY COCKTAIL GLOSS: SATIN
FRP-1	MATERIAL: FIBERGLASS REINFORCED PANEL MANUFACTURER: CRANE PRODUCT NO: GLASBORD COLOR: WHITE (85) FINISH: PEBBLED EMBOSSED
FRP-2	MATERIAL: FIBERGLASS REINFORCED PANEL MANUFACTURER: CRANE PRODUCT NO: VARIETEX COLOR: SUGARLOAF SAND (1294) FINISH: SANDSTONE TEXTURE
WTL-1	MATERIAL: CERAMIC WALL TILE MANUFACTURER: DALTILE PRODUCT NO: COLOR WHEEL CLASSIC COLOR: ARCTIC WHITE 0190 FINISH: SEMI-GLOSS SIZE: 3" x 6"
WTL-2	MATERIAL: CERAMIC WALL TILE MANUFACTURER: BEDROSANS PRODUCT NO: TRADITIONS BEVELED GLOSSY TILE COLOR: ICE WHITE FINISH: GLOSSY SIZE: 3" x 6"
WTL-3	MATERIAL: CERAMIC WALL TILE MANUFACTURER: DALTILE PRODUCT NO: REVALIA REMIX COLOR: FELICITY WHITE RV26 FINISH: GLOSS SIZE: 3" MOSAIC SHEET
WTL-4	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: FOREST PARK COLOR: SUMMERTREE FP95 FINISH: MATTE SIZE: 9" x 9"
WTL-5	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: BEDROSANS PRODUCT NO: SAHARA 100001064 COLOR: DARK FINISH: MATTE SIZE: 11" x 12" MOSAIC SHEET
WTL-6	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: MODERN DIMENSIONS 2-1/8" x 8-1/2" COLOR: 0700 - MATTE ARCTIC WHITE FINISH: MATTE SIZE: 2 1/8" x 8 1/2"
WTL-7	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: BEDROSANS PRODUCT NO: LE CAFE CROSS & STAR COLOR: WHITE FINISH: MATTE SIZE: 2" x 2" MOSAIC SHEET
WTL-8	MATERIAL: PORCELAIN WALL TILE MANUFACTURER: DALTILE PRODUCT NO: ACREAGE COLOR: STETSON STACKED AC13 FINISH: MATTE SIZE: 1" x 24" MOSAIC SHEET
SSTL-1	MATERIAL: STAINLESS STEEL WALL PANELS MANUFACTURER: TBD PRODUCT NO: MODERN DIMENSIONS 2-1/8" x 8-1/2" STYLE: 18 GAUGE - RESTAURANT GRADE SHEETS
FLM-1	MATERIAL: PRIVACY FILM MANUFACTURER: 3M PRODUCT NO: FASARA COLOR: GLACE (SH2MAGL)
WD-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
WD-2	MATERIAL: FLOORING BOARDS MANUFACTURER: BELLA GERA FLOORS PRODUCT NO: MCGV490LCF STYLE: VILLA BORGHESI: 8" x 75" FINISH: AURORA

WALL FINISH (CONTINUED):

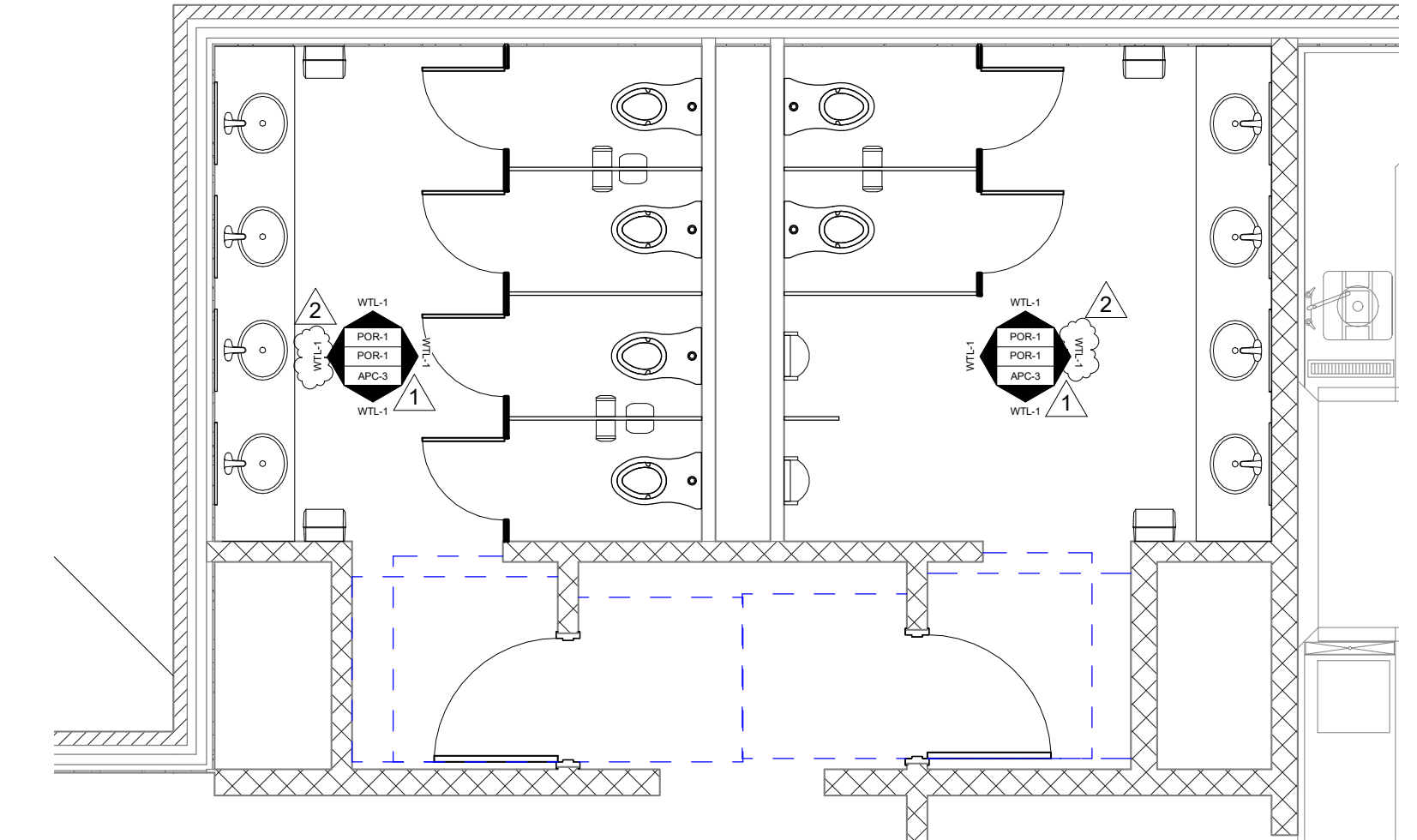
WD-3	MATERIAL: COMPOSITE BAMBOO WOOD MANUFACTURER: LAMBOO PRODUCT NO: LAMBOO STRUCTURE SERIES STYLE: 3/4" x 5-1/2" LAMSTOCK-VSP-SOLID PLY FINISH: NATURAL (SEALED)
WD-4	MATERIAL: COMPOSITE BAMBOO WOOD MANUFACTURER: LAMBOO PRODUCT NO: LAMBOO STRUCTURE SERIES STYLE: 1-1/2" x 5-1/2" LAMSTOCK-VSP-SOLID PLY FINISH: NATURAL (SEALED)
WD-5	MATERIAL: DECORATIVE MDF PANEL MANUFACTURER: ARCHITECTURAL SYSTEMS, INC. PRODUCT NO: WFPSR202 (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: WFPVE140 (HYBRID BARN WOOD PANELS - VINTAGE) STYLE: 3/8" x 14" x 44" PANELS FINISH: UNFINISHED
LVT-1	MATERIAL: LUXURY VINYL TILE MANUFACTURER: INTERFACE PRODUCT NO: SHANTUNG SILK COMPLEX COLLECTION COLOR: A02708 DAHLIA (1/3) A02709 PAPER WHITE (1/3) A02710 SILVER TREE(1/3) SIZE: 29CM x 1M PATTERN: RANDOM HERRINGBONE
TCF-1	MATERIAL: TEXTILE COMPOSITE FLOORING MANUFACTURER: J&J FLOORING PRODUCT NO: KINETIX - TRI-PLEX II COLOR: 2294 TENDERS SIZE: 24" x 24" (ASHLAR PATTERN)
POR-1	MATERIAL: PORCELAIN FLOOR TILE MANUFACTURER: CROSSVILLE PRODUCT NO: NOTORIGUS 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 COLOR: GRAPHITE ULTRA MATTE

WALL BASE:

RES-1	MATERIAL: RESILIENT RUBBER BASE MANUFACTURER: JOHNSONITE PRODUCT NO: THERMOSSET RUBBER (TYPE TS) COLOR: 63 BURNT UMBER 9 SIZE: 4"
POR-1	MATERIAL: PORCELAIN TILE BASE MANUFACTURER: CROSSVILLE PRODUCT NO: NOTORIGUS 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

CEILING FINISH:

APC-1	MATERIAL: ACOUSTICAL PANEL CEILING MANUFACTURER: USG PRODUCT NO: KITCHEN LAY-IN PANELS (CLIMPLUS) 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 (CLIMPLUS) COLOR: FLAT WHITE 050 SIZE: 2' x 2' x 3/4"; SQUARE EDGE
AB-1	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 11 SIZE: VARIES
AB-2	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 9 SIZE: VARIES
AB-3	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: COLOR 13 SIZE: VARIES
AB-4	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: FG2302 (ANTIBACTERIAL PANEL) SIZE: VARIES
AB-5	MATERIAL: ACOUSTICAL CEILING BAFFLE MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: BARREL OAK W/02 SIZE: VARIES
AB-6	MATERIAL: ACOUSTICAL CEILING PANEL MANUFACTURER: ALTI SPACE PRODUCT NO: ACOUSTICAL FINS COLOR: BARREL OAK W/02 SIZE: VARIES
GYP	MATERIAL: GYPSUM BOARD MANUFACTURER: TBD PRODUCT NO: TYPE X COLOR: PAINT AS SCHEDULED
PT-10	MATERIAL: PAINT - DRYFALL MANUFACTURER: SHERWIN-WILLIAMS PRODUCT NO: SW7004 COLOR: SNOWBOUND GLOSS: EGGSHELL



1 FINISH PLAN - RESTROOMS - ALT. NO 3
A222 1/4" = 1'-0"

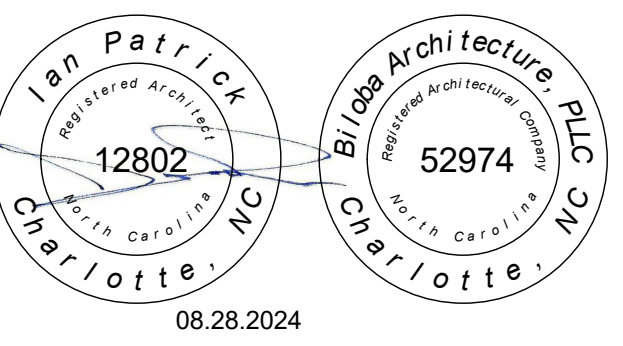


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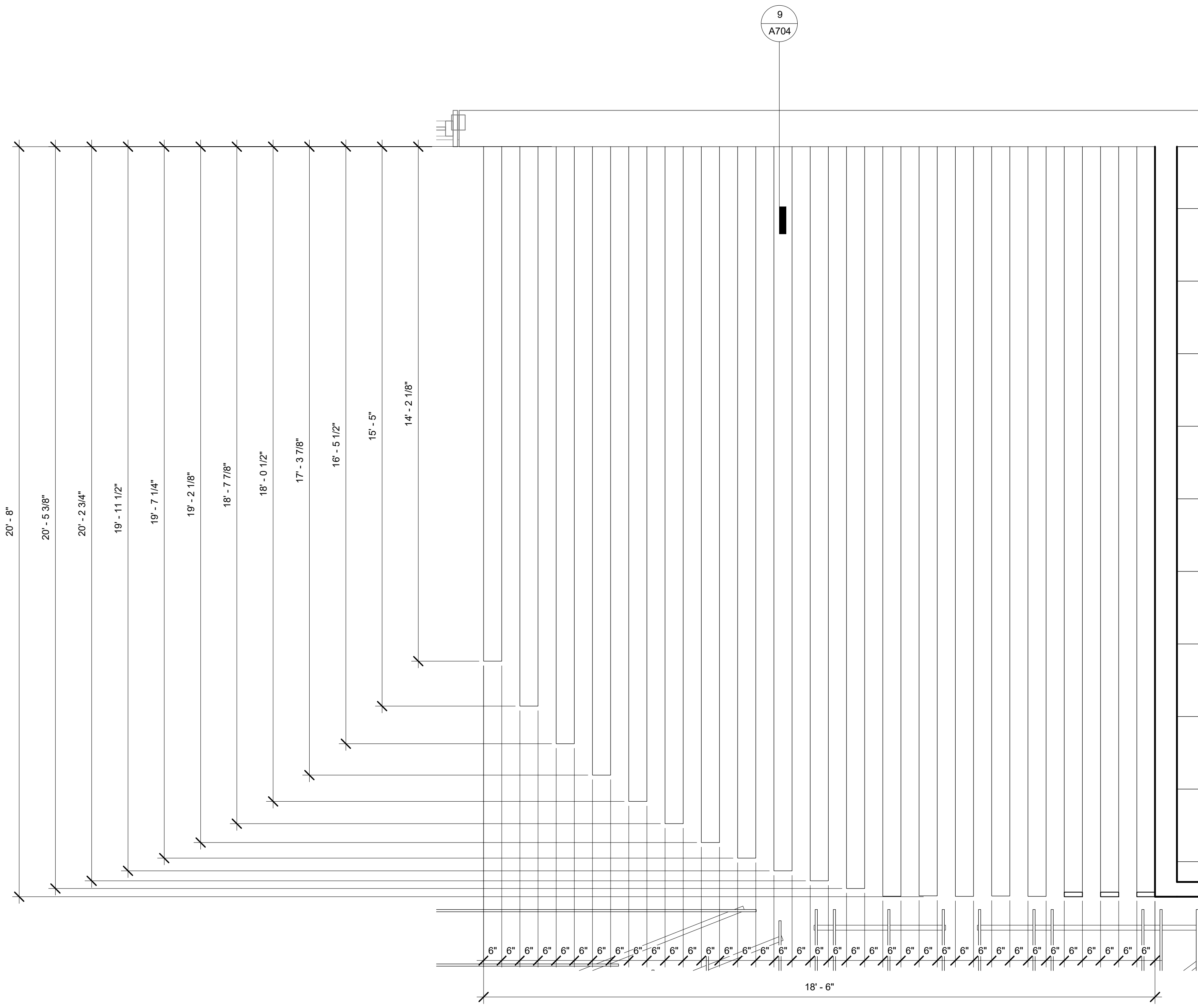
Drawn	NOR
Checked	HRK
Date	July 24, 2024
Revisions	
1	08/15/2024 Addendum 1
2	08/28/2024 Addendum 2

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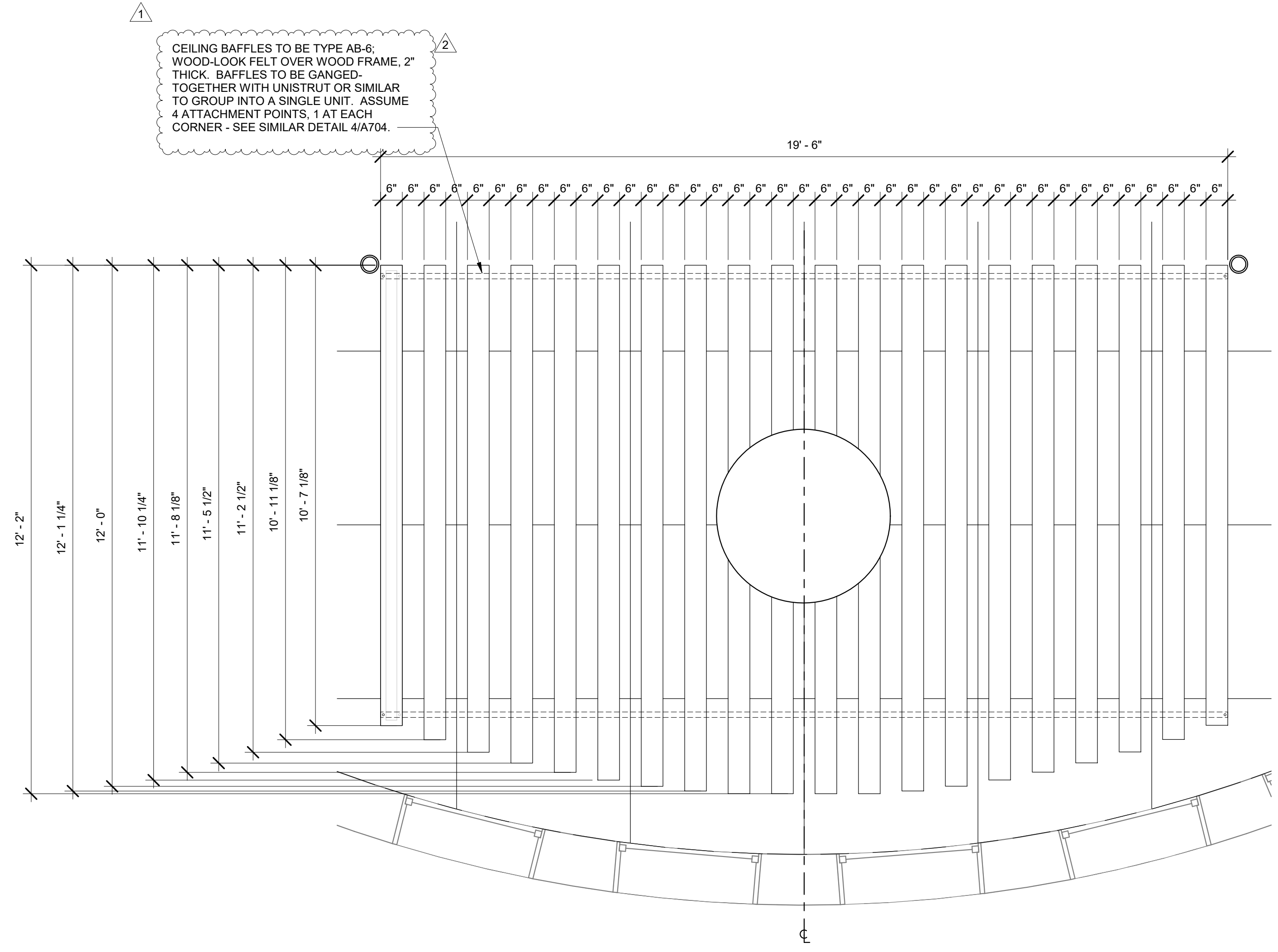
Upper Prospecter Renovation
UNC Charlotte
Charlotte, NC
SCO ID No. 23-26198-02A

Project Number 151B
Title **Ceiling Details**

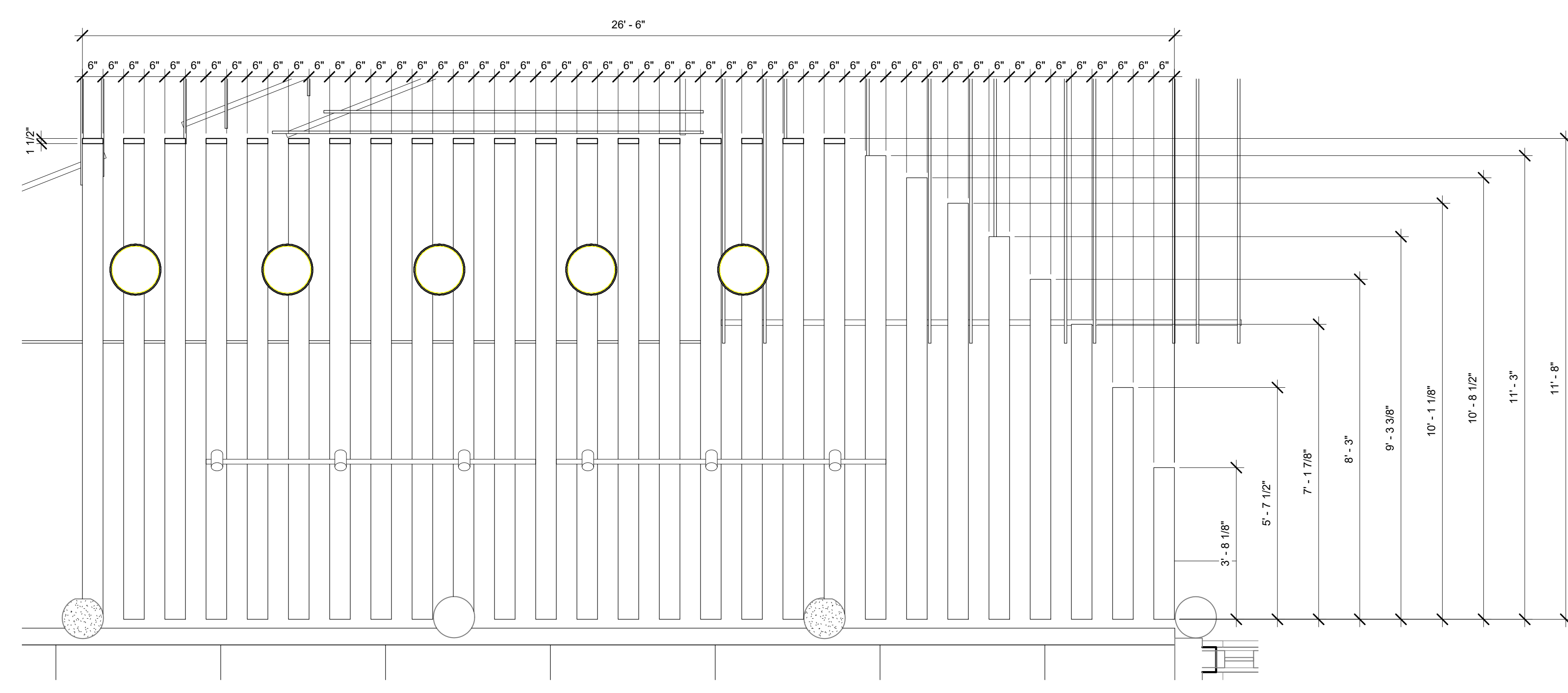
Sheet **A603**
Plate



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



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



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

Architect: Dana H. Upper Prospecter/151B_UPPER PROSPECTER.dwg, 08/28/24

- FIRE PROTECTION GENERAL NOTES:**
- 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.
 - 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.
 - 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.
 - 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.
 - UNLESS OTHERWISE NOTED, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF FLOOR SLAB WITH SPACE FOR INSULATION AND HANGERS AS REQUIRED.
 - 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.
 - PROVIDE APPROVED FIREPROOFING AT ALL FLOOR AND WALL PENETRATIONS.
 - 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.
 - 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 AND SPECIFICATIONS AND OTHER DISCIPLINES.
 - COORDINATE THE EXACT LOCATION OF ALL FIRE PROTECTION EQUIPMENT AND DEVICES WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN AND INSTALLATION.
 - THE SPRINKLER CONTRACTOR SHALL COORDINATE EXACT PLACEMENT OF SPRINKLER HEADS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS.
 - VERIFY EXACT LOCATION OF EQUIPMENT AND PIPING CONNECTIONS IN FIELD.
 - FOLLOW THE FIRE PROTECTION INSTALLATION REQUIREMENTS BASED UPON THE 2013 EDITION OF NFPA 13, NFPA 14, NFPA 20, AND 2016 NORTH CAROLINA BUILDING CODES.
 - CONTRACTOR SHALL HYDRAULICALLY DESIGN THE SPRINKLER SYSTEM BASED ON THE WATER FLOW AND HYDRAULIC PRESSURE PROVIDED 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.
 - DESIGN STANDARDS: CURRENT EDITION OF IBC, NORTH CAROLINA BUILDING CODE 2016, 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.
 - INSURANCE CARRIER: THE SPRINKLER CONTRACTOR SHALL VERIFY PROVIDER WITH THE GENERAL CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.
 - ALL SYSTEM COMPONENTS SHALL BE UL LISTED AND FM APPROVED.
 - 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.
 - 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.
 - 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.
 - 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.
 - THE SPRINKLER CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS WITH ALL TRADES PRIOR TO COMMENCEMENT OF WORK.
 - ALL SPRINKLER PIPING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE. PIPES SHALL NOT SUPPORT FROM CEILING TILES, CEILING SUPPORT STRUCTURES, OR OTHER PIPES.
 - 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.
 - THE SPRINKLER CONTRACTOR SHALL PROVIDE ANY NECESSARY FIRE STOPPING MATERIALS I.E., SEALANTS OR CAULKING AS REQUIRED IN THE DESIGN FOR THE SYSTEM.
 - 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).
 - 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 STREAM.
 - SPRINKLERS SHALL BE FM APPROVED AND SHALL NOT INCLUDE "O-RING" SEALS.
 - SPRINKLER HEADS LOCATED IN AREAS OF IMPACT SHALL BE PROVIDED WITH PROTECTIVE WIRE GUARDS LISTED FOR USE WITH THE MODEL OF SPRINKLER.
 - 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 53A, GRADE B, WITH THREADED OR VICTAULIC ENDS.
 - FITTINGS: MALLEABLE IRON OR CAST IRON SCREWED, ASTM-A-47 AND ASME 8-16.3
 - 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.
 - ALL NEW SPRINKLER PIPING SHALL BE UNPAINTED.

HANGER INSTALLATION REQUIREMENTS

NOMINAL PIPE SIZE	MAXIMUM DISTANCE BETWEEN HANGERS								
	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 (Schedule 10)	NOMINAL PIPE SIZE SUPPORTED							
	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. 0 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"

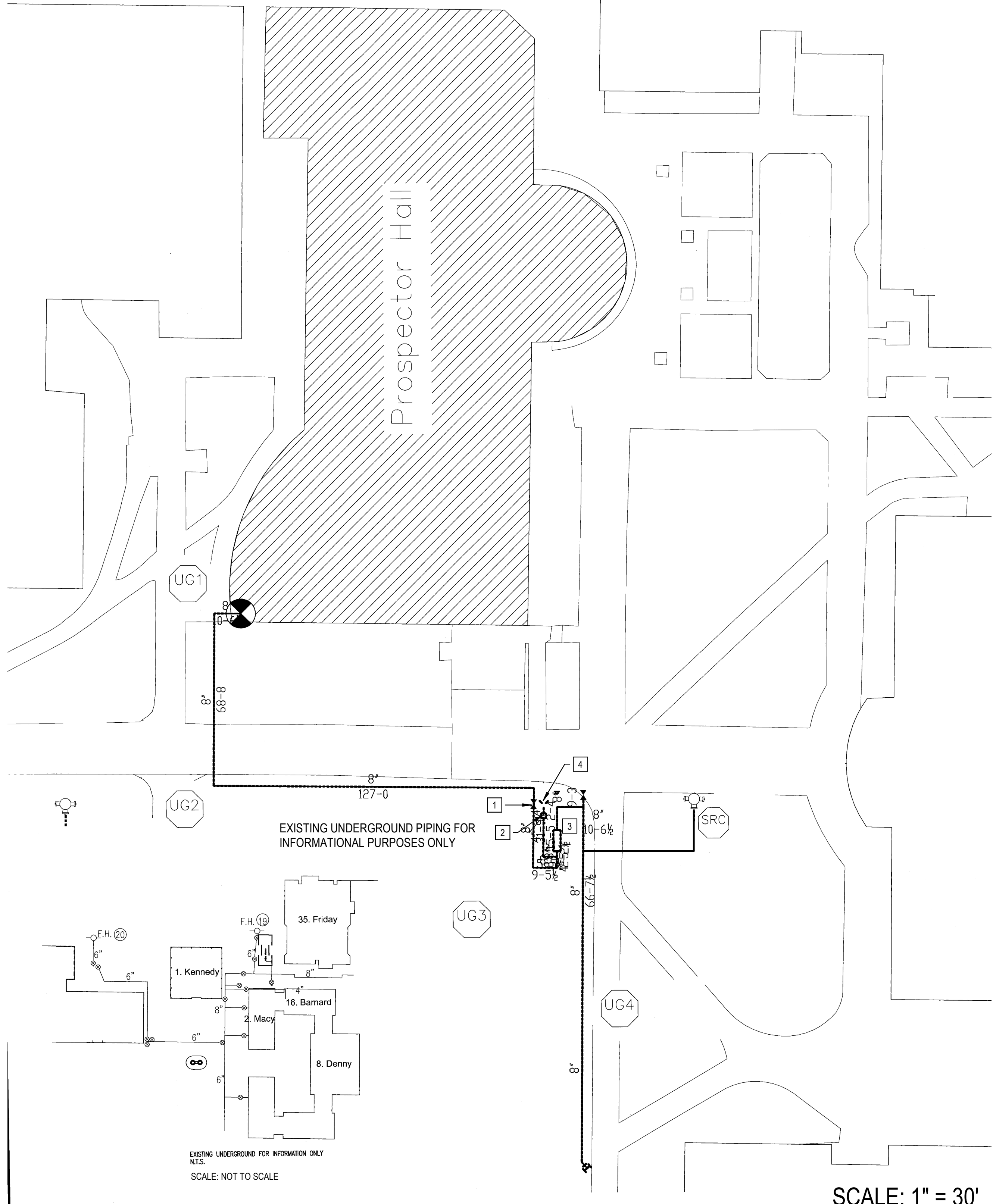
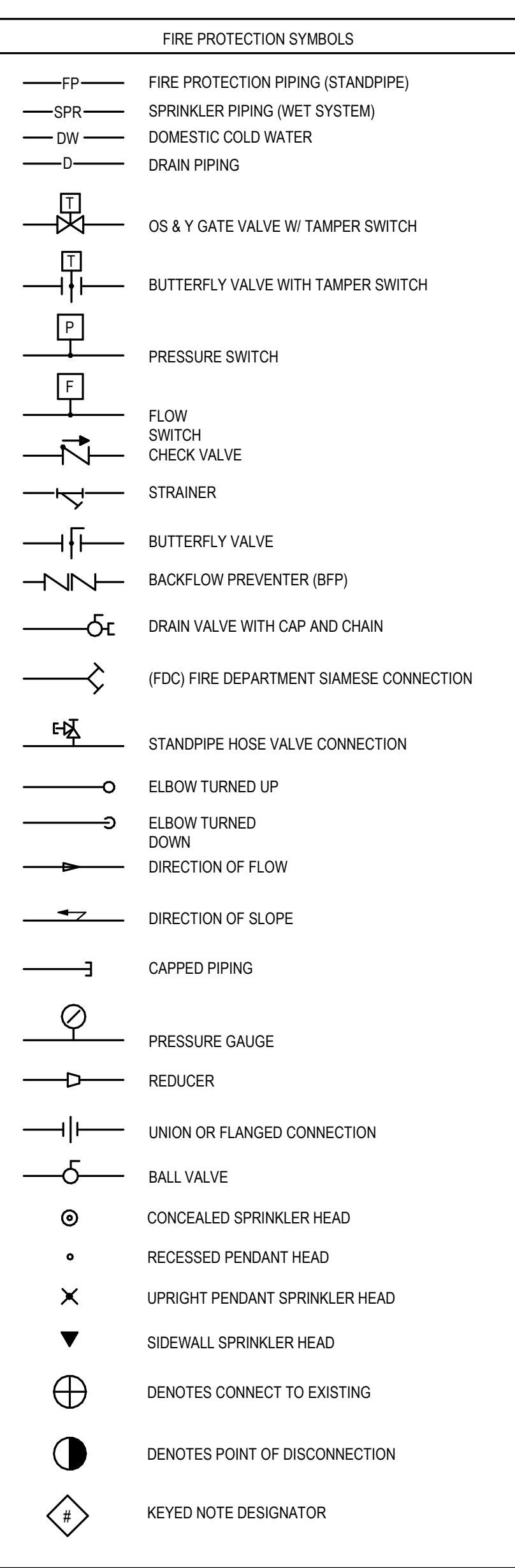
SPRINKLER DESIGN DATA

PROJECT ADDRESS: 2910 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 PRESSURE (PSI)		37
FLOW OBSERVED (GPM)	822	



- KEYED NOTES**
- EXISTING 8" POST INDICATOR VALVE WITH TAMPER SWITCH.
 - 4" CHECK VALVE WITH BALL DRIP IN PRECAST CONCRETE VAULT.
 - EXISTING 8" RPZ WITH TAMPER SWITCHES IN HEATED ENCLOSURE ABOVE GROUND.
 - EXISTING FREE-STANDING FDC SERVING PROSPECTOR BUILDING.

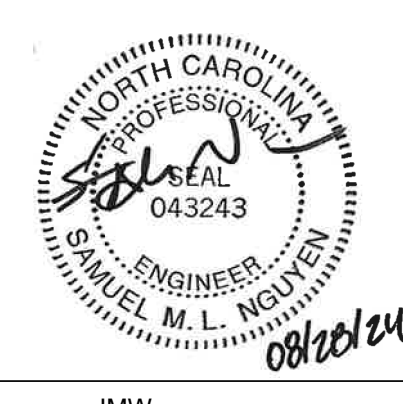
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Drawn: JMW
Checked: TDR
Date: July 24, 2024

Revisions

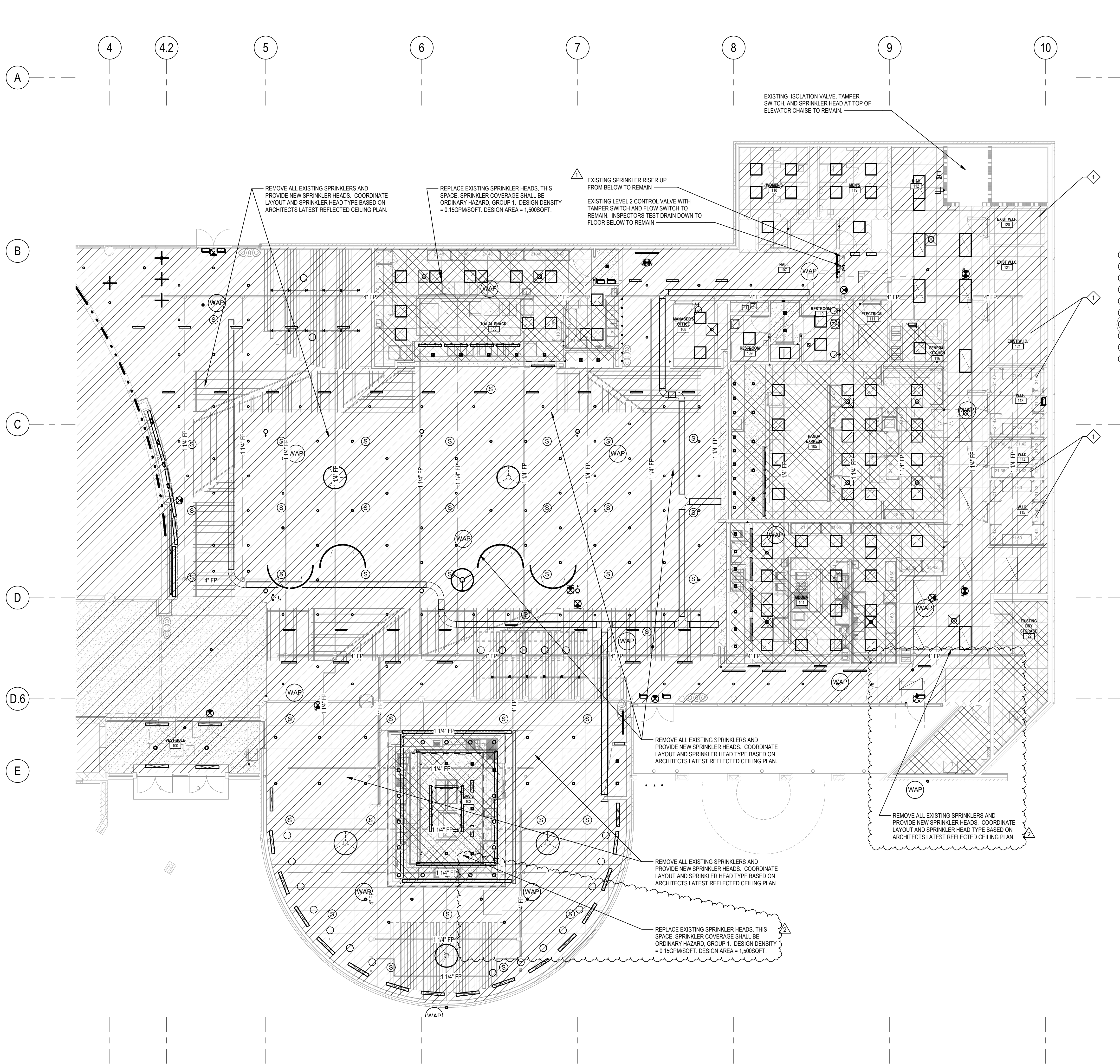
1	08/15/24	Addendum 1
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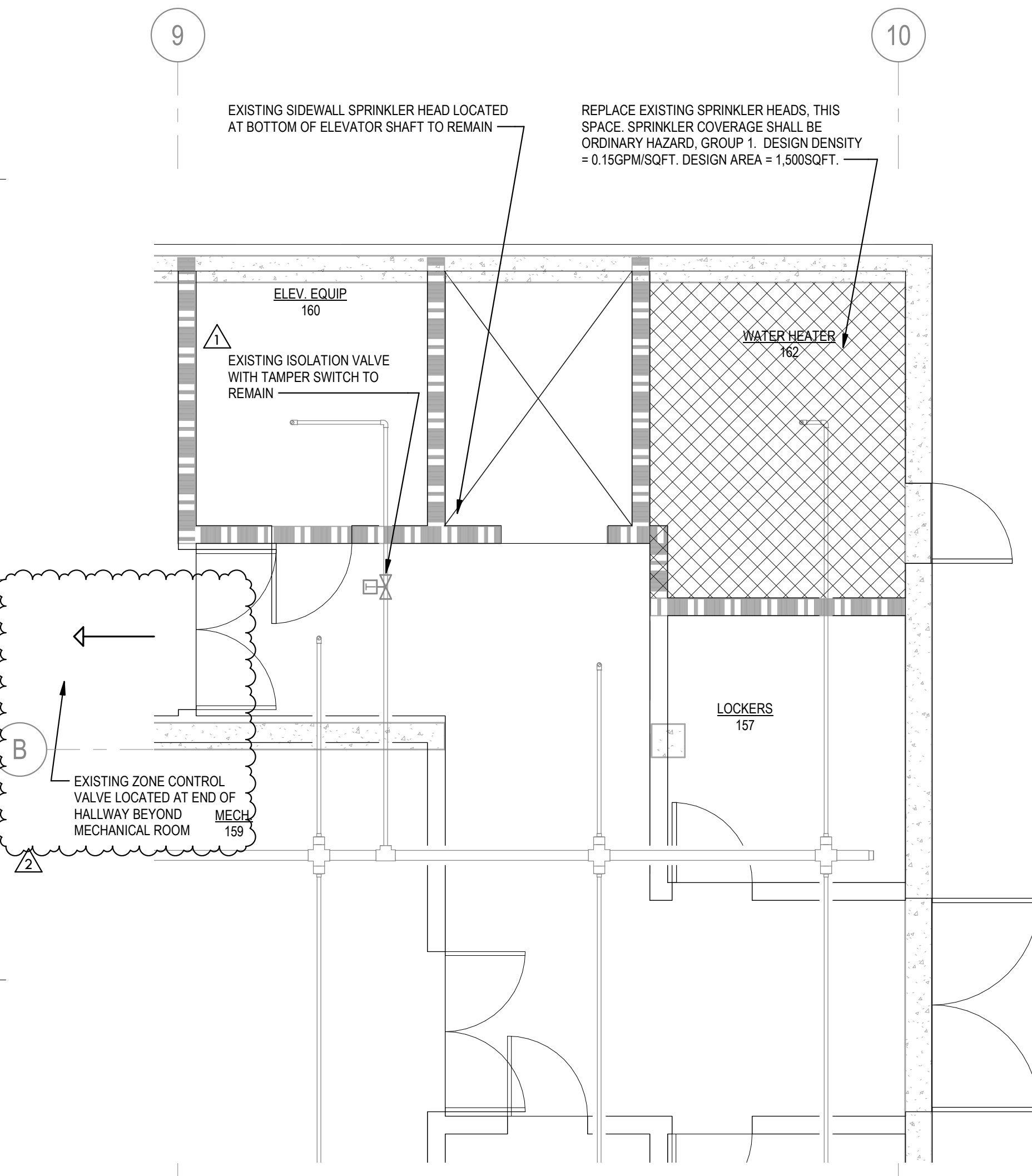
Upper Prospector Renovation
UNC Charlotte
Charlotte, NC

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

Project Number: 151B
Title: **FIRE PROTECTION - DATA SHEET**
Sheet: **FP001**
Plate:



1 LEVEL 02 - FIRE PROTECTION - NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 LEVEL 01 - FIRE PROTECTION - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

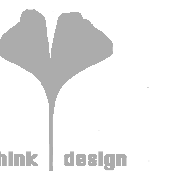
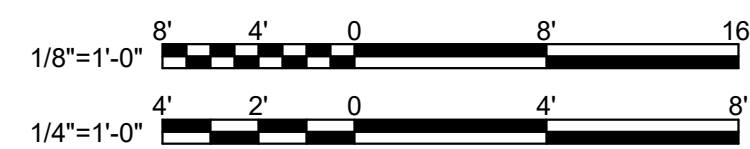
- A. SPRINKLER AND FIRE PROTECTION SCOPE OF WORK SHALL CONSIST OF TEMPORARY RELOCATION OF SPRINKLER HEADS TO ACCOMMODATE REPLACEMENT OF EXISTING CEILING GRID AND INSTALLATION OF NEW SPRINKLER HEADS INTO NEW CEILING GRID. EXISTING SPRINKLER PIPING TO REMAIN, EXTEND PIPING AS REQUIRED AND COORDINATE WITH LATEST ARCHITECTURAL REFLECTED CEILING PLAN. NEW SPRINKLER HEADS SHALL BE QUICK RESPONSE CONCEALED HEAD SPRINKLERS UNLESS OTHERWISE NOTED. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE CLOSELY WITH THE LATEST ARCHITECTURAL REFLECTED CEILING PLAN FOR OPEN CEILING AREAS, CEILING TYPES, AND ELEVATIONS RELATED TO THE SPRINKLER HEADS.
- B. 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.

NEW WORK KEYED NOTES

- 1. PROVIDE DRY PENDANT HEAD SPRINKLER IN WALK-IN FREEZER/WALK-IN COOLER.

CLASSIFICATION OF OCCUPANCY LEGEND	
	LIGHT HAZARD
	ORDINARY HAZARD, GROUP 1

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

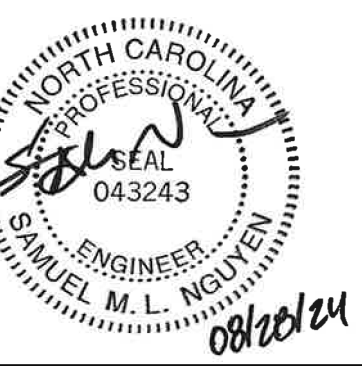


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Upper Prospector Renovation
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SCO ID No. 23-26198-02A

McKim & Creed Project No. 07911-0005

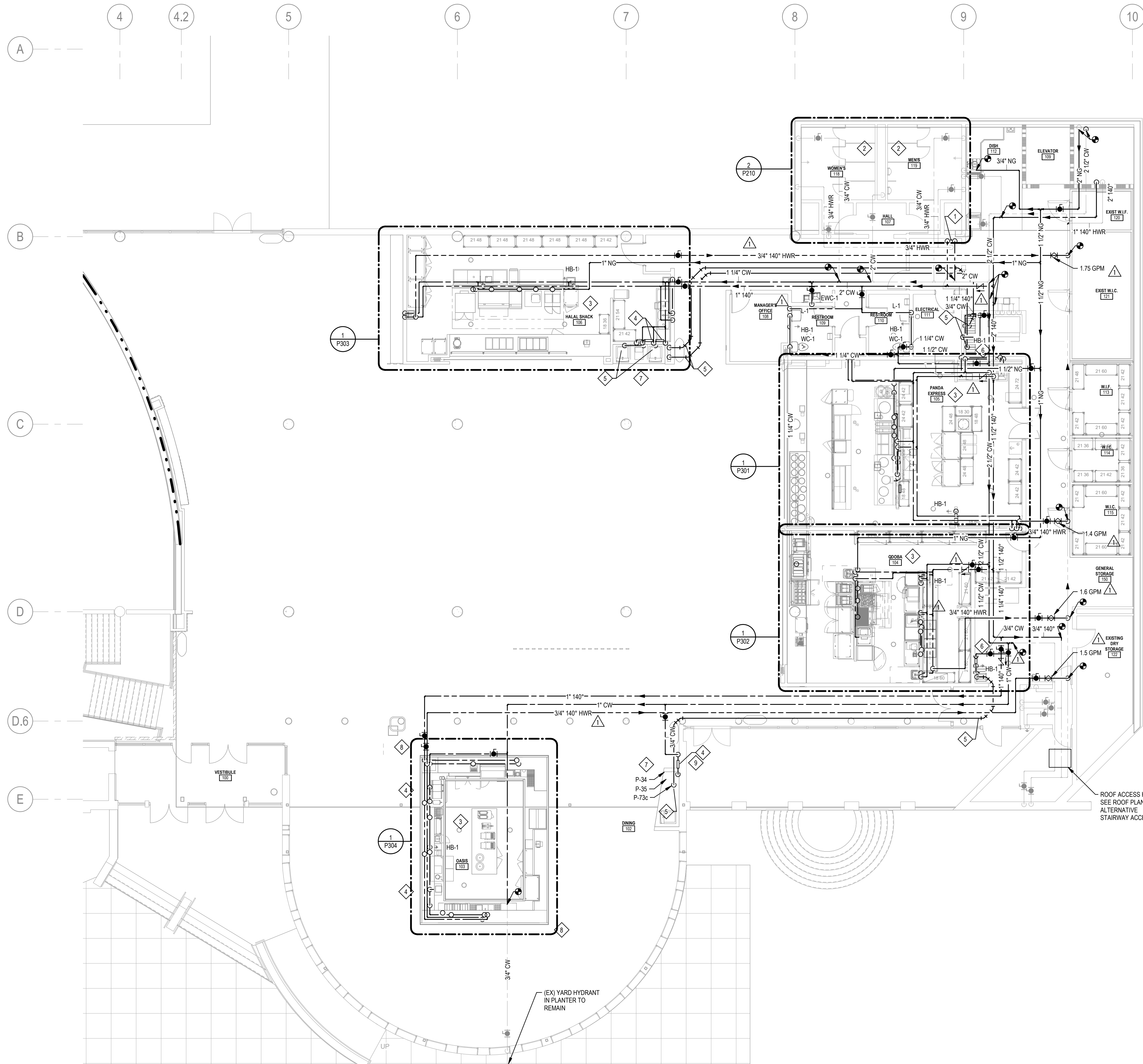
Project Number 151B

FIRE PROTECTION - NEW WORK PLAN

Sheet

FP100

Plate



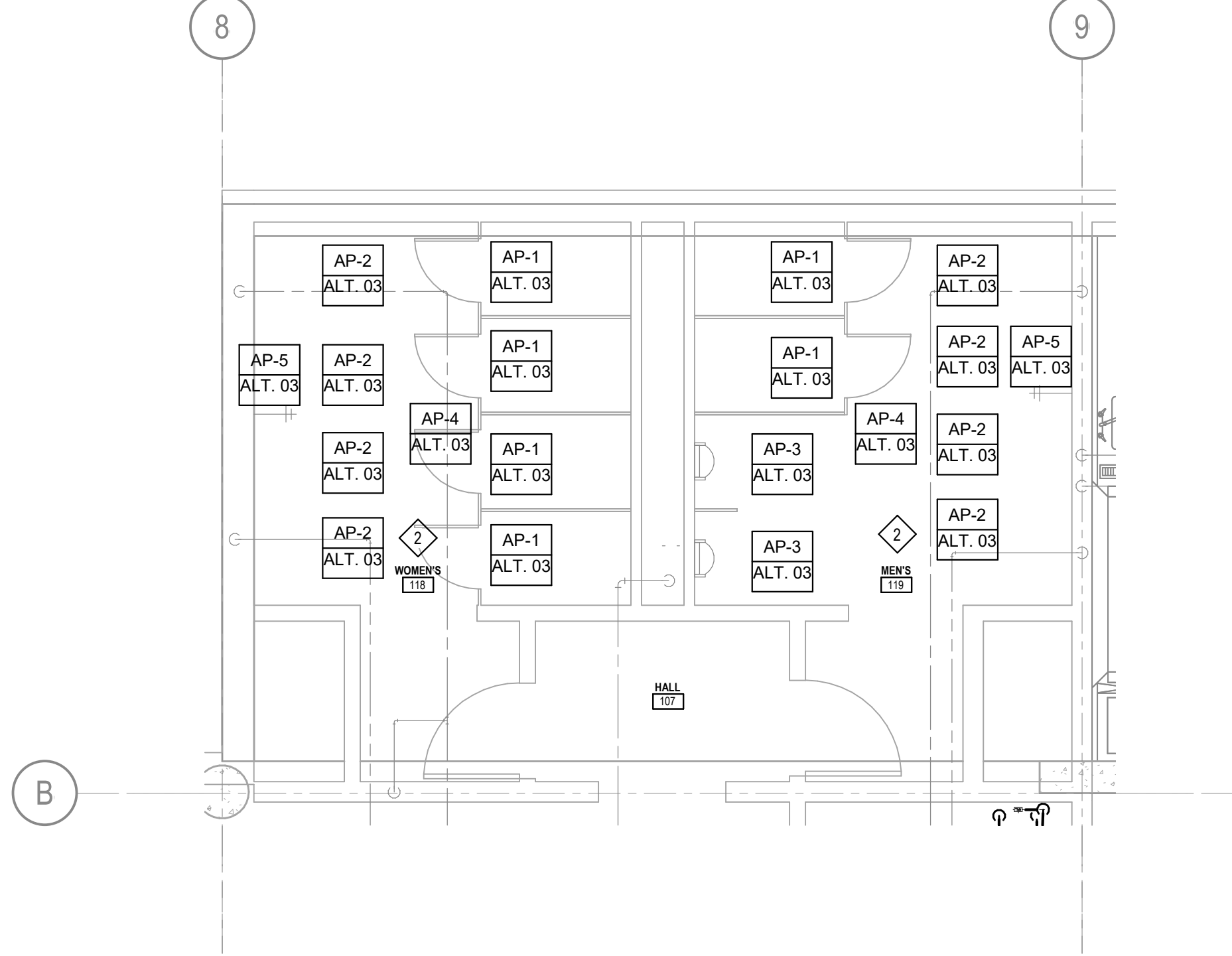
1 LEVEL 02 - PLUMBING - PRESSURE - NEW WORK PLAN
SCALE: 1/8" = 1'-0"

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.
- C. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCP 416.5 AND ASSE 1070. BASIS OF DESIGN SHALL BE SYMONS 8210CK OR APPROVED EQUAL. MAXIMUM DISCHARGE TEMPERATURE, 110°F.
- D. PROVIDE MINIMUM 2550 FLAME/SMOKE SPREAD RATED MATERIALS FOR ALL WORK LOCATED IN RETURN AIR PLENUMS.
- 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 PIPING.
- 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, BACKFLOW 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.

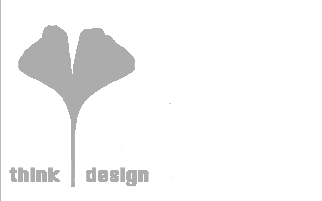
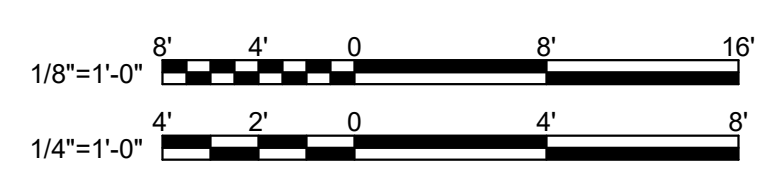
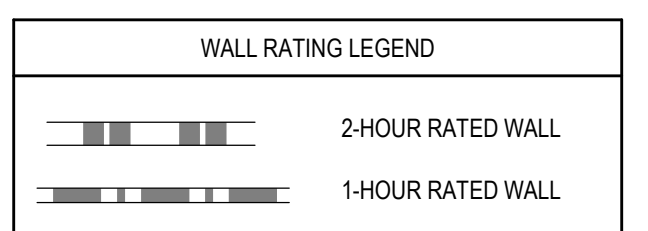
NEW WORK KEYED NOTES

- 1. 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.
- 4. 3/4" CW WITH BACKFLOW PREVENTER TO WATER FILTRATION UNIT SERVING FOOD SERVICE EQUIPMENT. PC TO 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.
- 5. 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 DEGREE ELBOWS.
- 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 FOR ADDITIONAL INFORMATION.
- 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 LF233A 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 MANUFACTURER'S RECOMMENDATIONS.



2 TOILET ROOMS - ALTERNATE 03
SCALE: 1/4" = 1'-0" REF: P210

AP.#		ALTERNATE 03 - PLUMBING FIXTURE SCHEDULE						
ITEM	QTY	EQUIPMENT	PLUMBING				NOTES	
			FILTER COLD	COLD	HOT	WASTE		
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"	---	---	---	-



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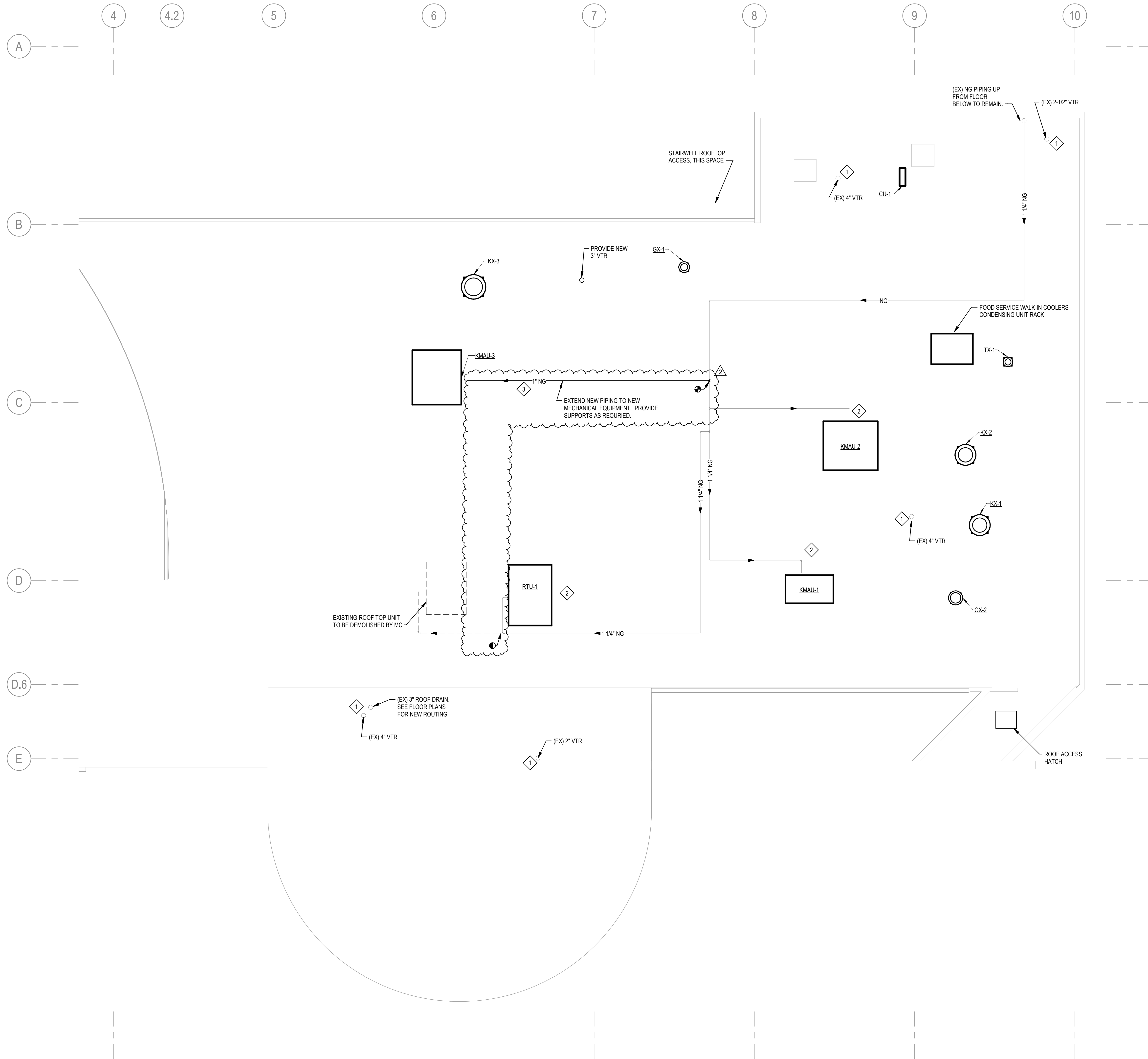
Drawn JMW
Checked TDR
Date July 24, 2024

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

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

Project Number 151B
Title **LEVEL 02 - PLUMBING - PRESSURE - NEW WORK PLAN**
Sheet **P210**
Plate



- NEW WORK KEYED NOTES**
- EXISTING VENT THROUGH ROOF TO REMAIN.
 - CONNECT EXISTING NATURAL GAS PIPING TO NEW EQUIPMENT.
 - CONNECT TO EXISTING NATURAL GAS PIPING AND ROUTE ALONG ROOF TO NEW EQUIPMENT. PROVIDE WITH PIPE SUPPORTS, MATCH EXISTING STYLE OF PIPE SUPPORTS.

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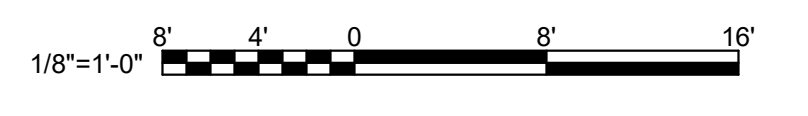
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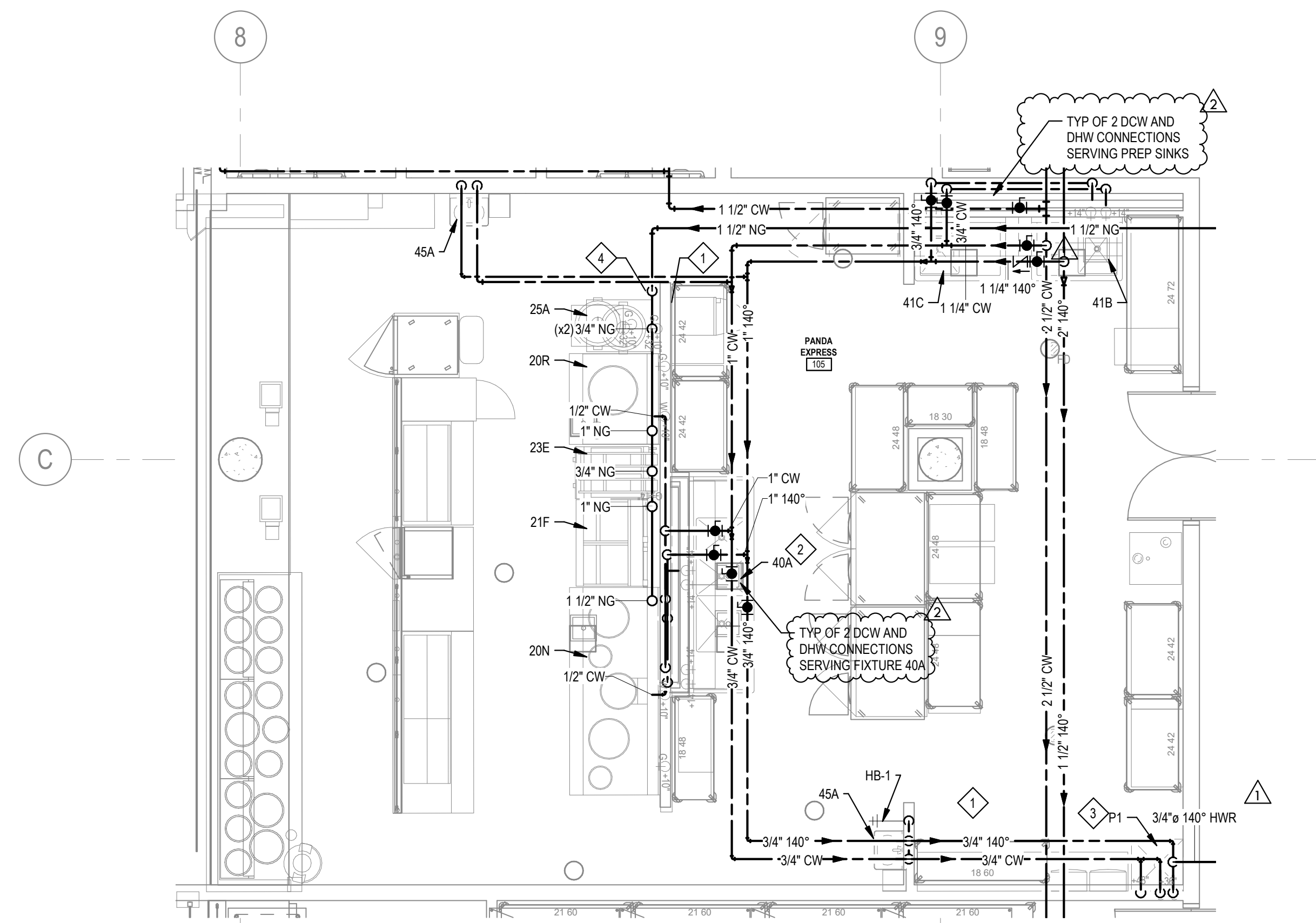
Upper Prospector Renovation
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 Charlotte, NC
 SCO ID No. 23-26198-02A
 McKim & Creed Project No. 07911-0005

Project Number 151B
 Title
PLUMBING - ROOF PLAN

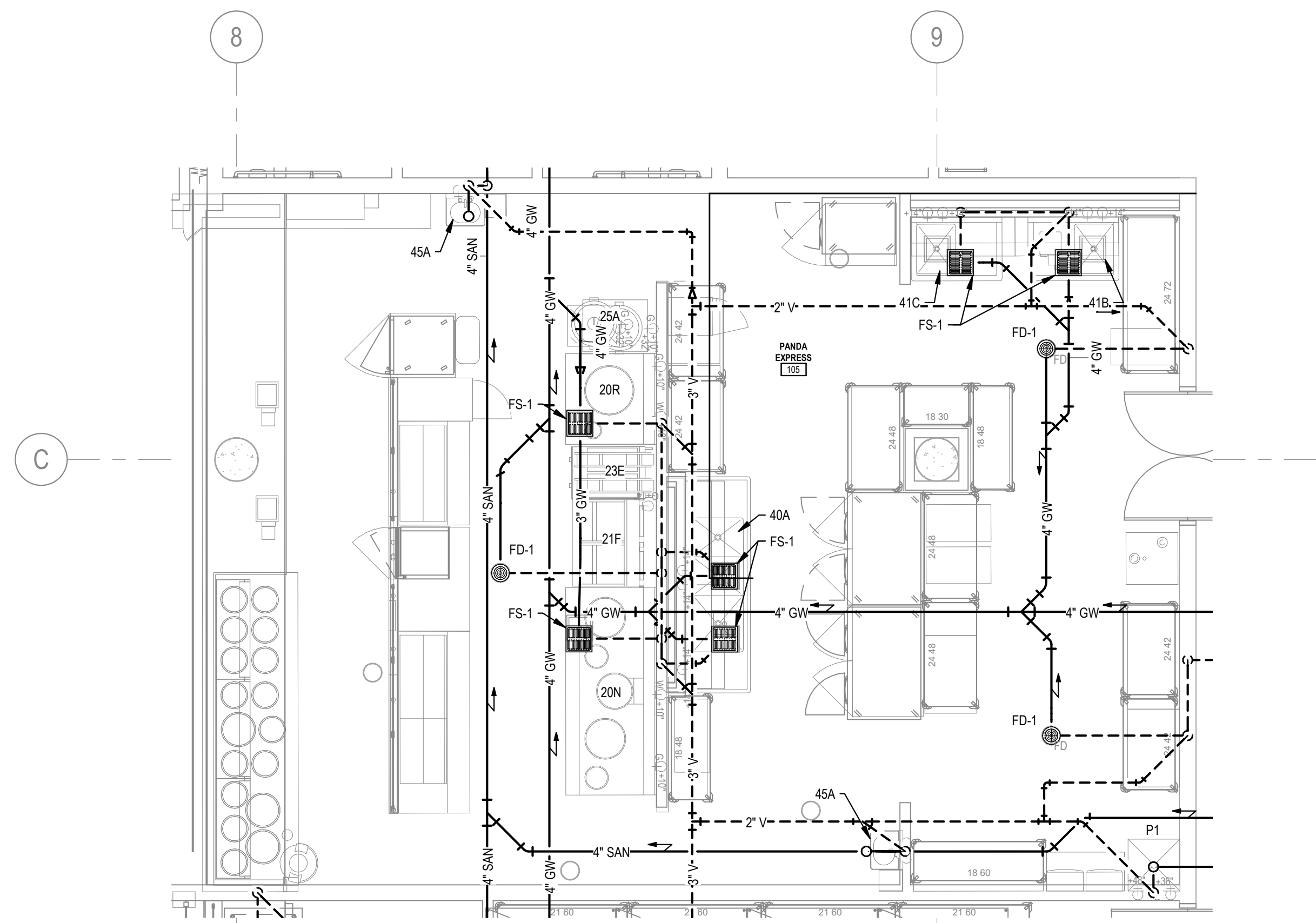
Sheet
P300
 Plate

1 PLUMBING - ROOF PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"



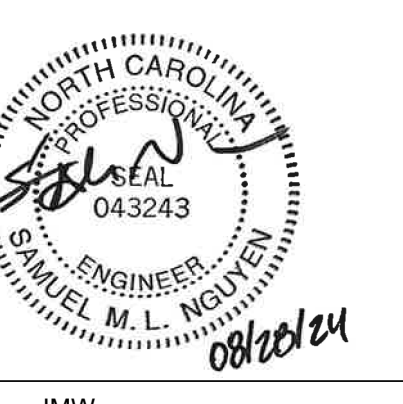


1 PANDA EXPRESS - DETAIL VIEW - PRESSURE PLAN
 SCALE: 1/4" = 1'-0" REF: P210

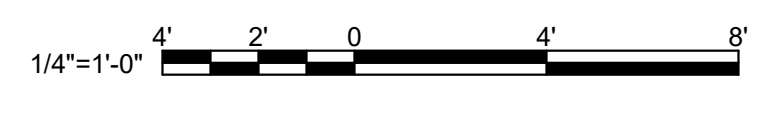


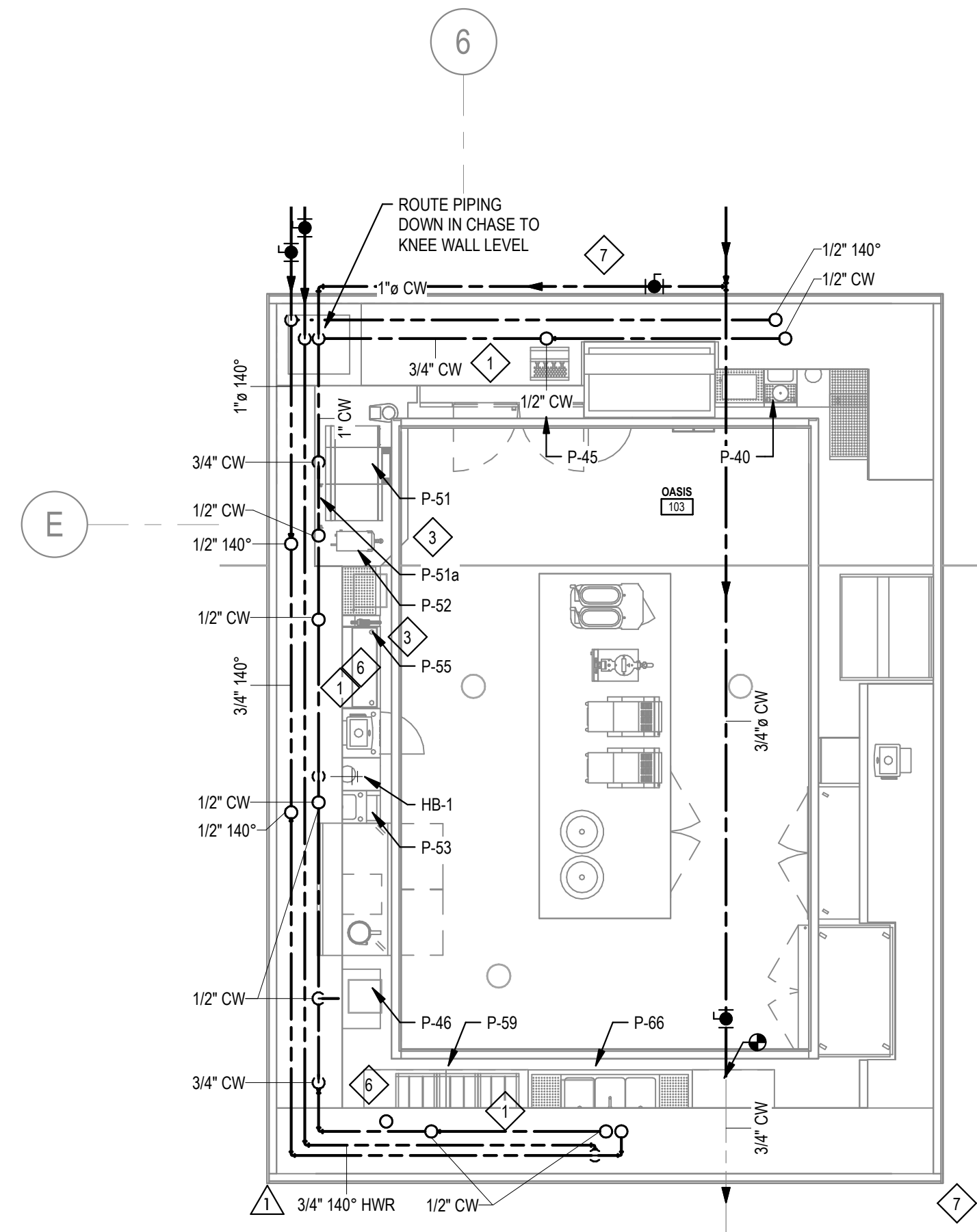
2 PANDA EXPRESS - DETAIL VIEW - SANITARY PLAN
 SCALE: 1/4" = 1'-0" REF: P211

- 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 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.
 - E. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCP 416.5 AND ASSE 107. BASIS OF DESIGN SHALL BE SYMMONS 8210C 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.
 - 2. 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.

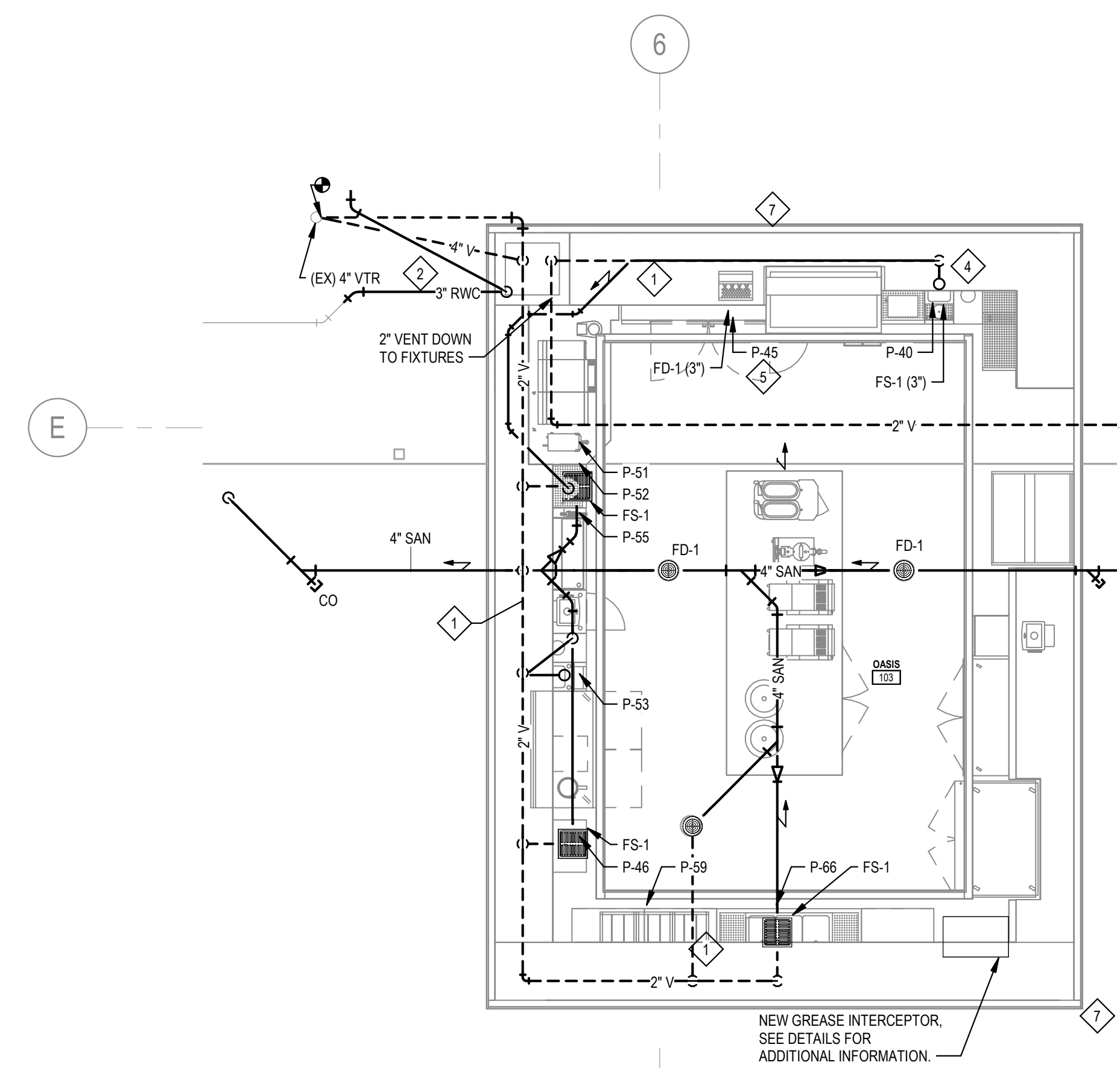


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Checked	TDR	
Date	July 24, 2024	
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2	08/28/24	Addendum 2





1 OASIS - DETAIL VIEW - PRESSURE PLAN - ALT 4
 SCALE: 1/4" = 1'-0" REF: P210



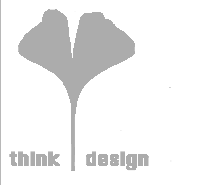
2 OASIS - DETAIL VIEW - SANITARY PLAN - ALT 4
 SCALE: 1/4" = 1'-0" REF: P211

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 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.
- E. PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR EACH HANDWASH SINK OR LAVATORY IN COMPLIANCE WITH NCCPC 416.5 AND ASSE 1070. BASIS OF DESIGN SHALL BE SYMMONS S210CK OR APPROVED EQUAL. MAXIMUM DISCHARGE TEMPERATURE, 110°F.

NEW WORK KEYED NOTES

- 1. ROUTE PIPING IN KNEE WALL, STACKED ALONG KNEE WALL WITH SUPPORT CRADLES. COORDINATE WITH OTHER TRADES.
- 2. OFFSET EXISTING 4" VENT PIPING IN LEVEL 01 CEILING SPACE. TURN PIPING UP IN CHASE TO ABOVE LEVEL 02 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 SHALL BE COPPER. SEE DETAILS FOR ADDITIONAL INFORMATION. SIZE SUPPLY LINE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- 4. ROUTE 1-1/2" SANITARY PIPING SERVING P-40, IN KNEE WALL TO FLOOR SINK AS SHOWN. TURN DOWN AND PROVIDE WITH AIR GAP.
- 5. TIE 1/2" SANITARY PIPING SERVING P-45 INTO 1-1/2" SANITARY PIPING SERVING P-40.
- 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 FOOD SERVICE PLANS FOR EXACT LOCATIONS OF STUB UPS.
- 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 IN ALL OASIS SCOPE OF WORK AS SHOWN ON THE PLANS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

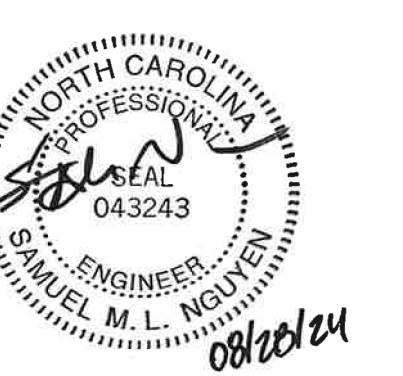


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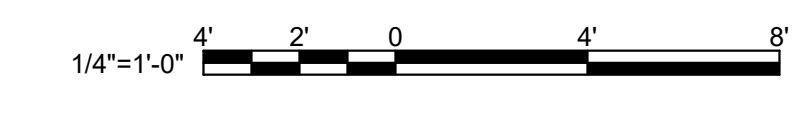
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Date	July 24, 2024
Revisions	
1	08/15/24 Addendum 1
2	08/28/24 Addendum 2

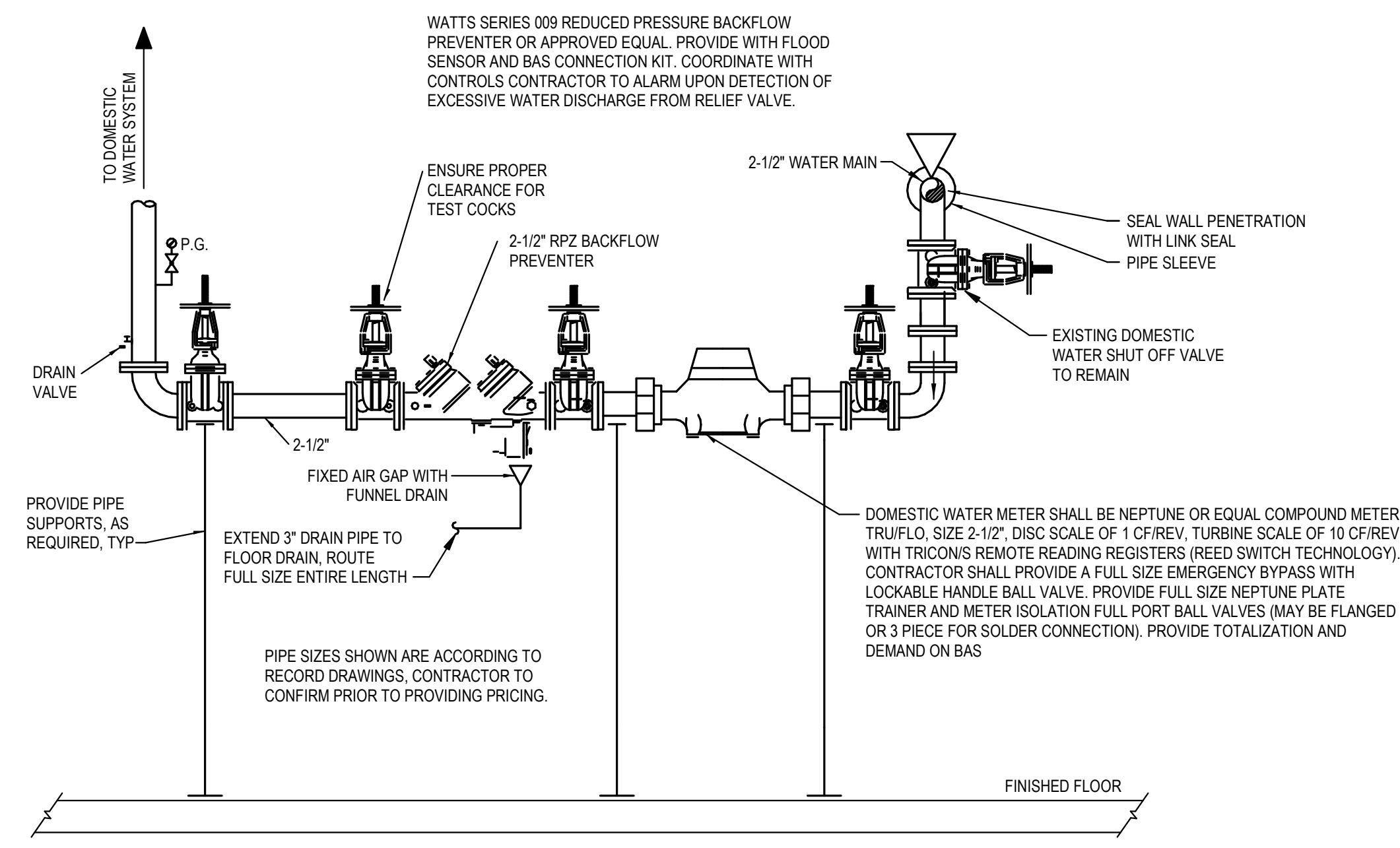
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 SCO ID No. 23-26198-02A
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Project Number 151B
 Title
PLUMBING - DETAIL VIEW - OASIS - ALTERNATE 4
 Sheet

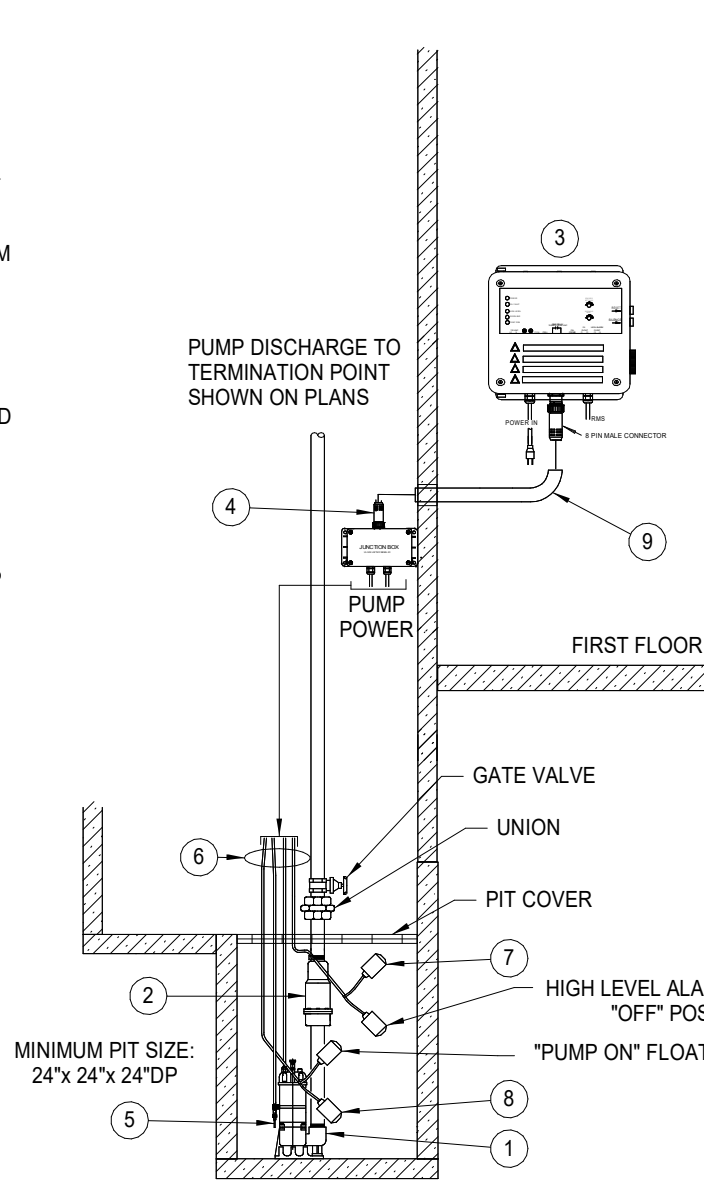
P304
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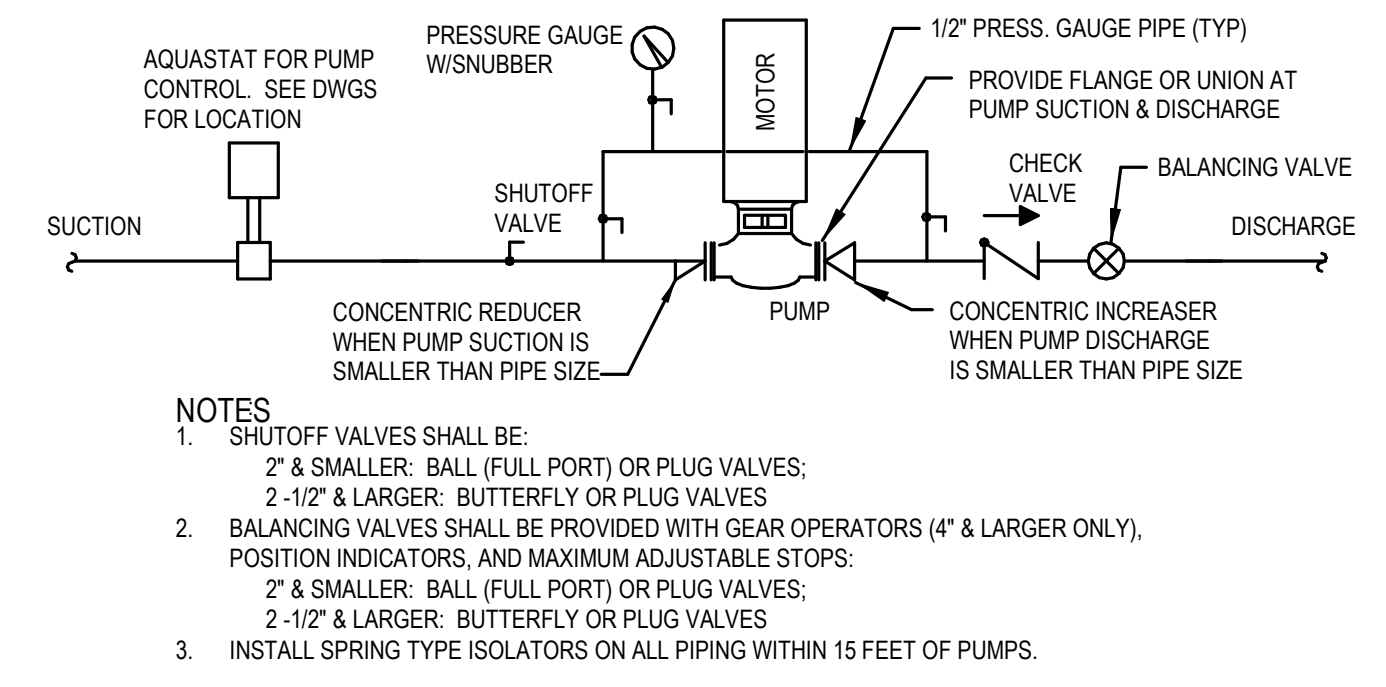


1 DOMESTIC WATER SERVICE ENTRANCE
SCALE: NOT TO SCALE

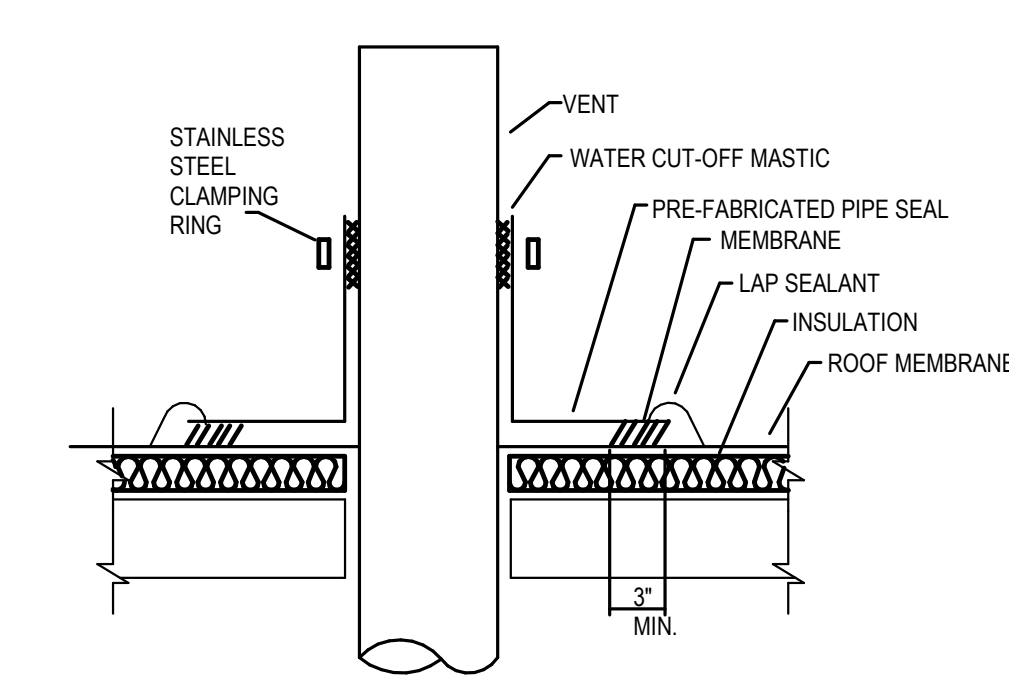
- 1) 1/2HP SUBMERSIBLE EFFLUENT PUMP, 115VOLT, 3600 RPM, 2" DISCHARGE CONNECTION. SEE SCHEDULE FOR DEMAND.
- 2) CHECK VALVE
- 3) 115V, 1" CONTROL SYSTEM WITH OPTIONAL BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID LEVEL. PROVIDE SILENCING BUTTON FOR AUDIBLE 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 LIQUID LEVEL, OVERLOAD & PUMP RUN.
- 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



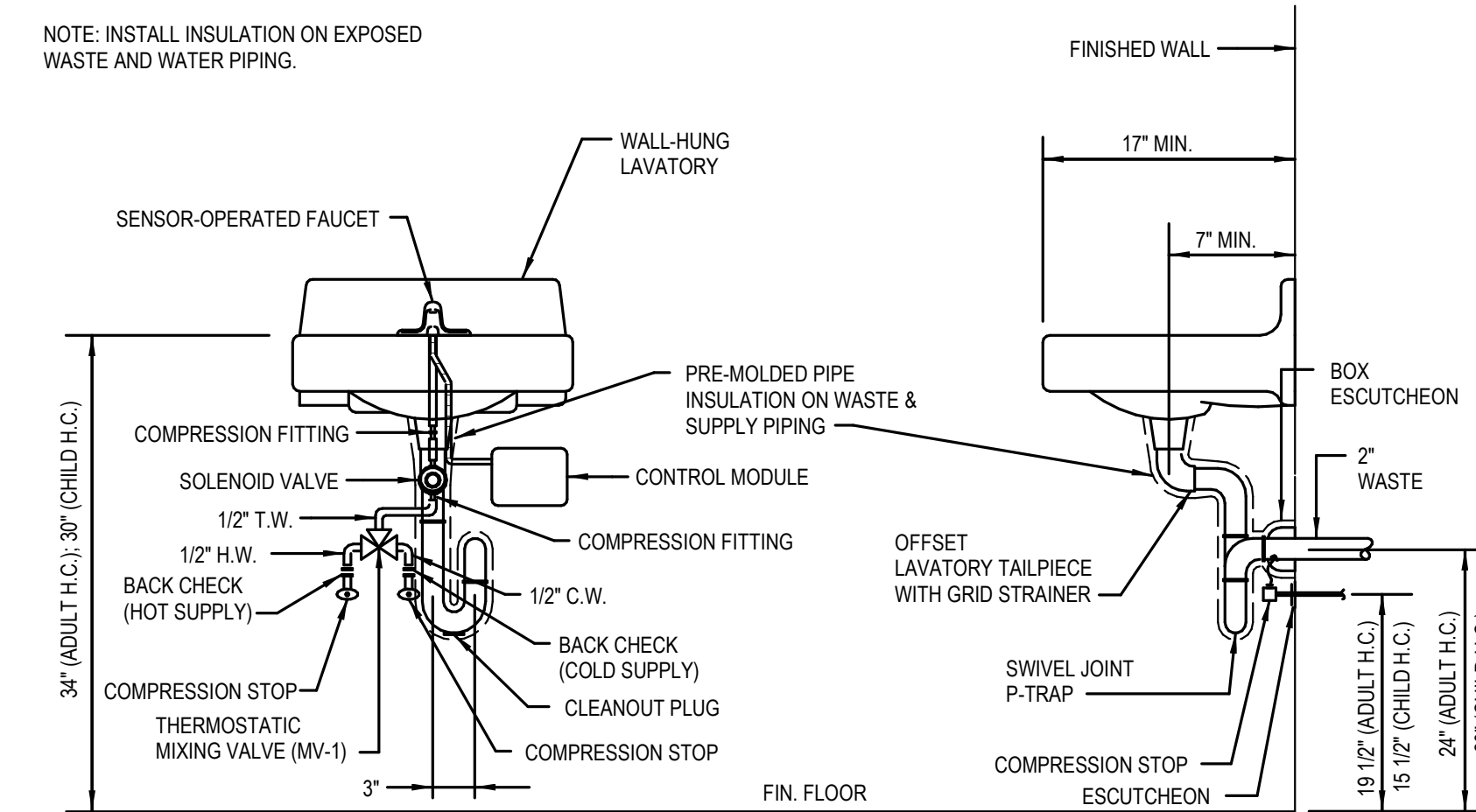
2 ALTERNATE 02 - ELEVATOR SUMP 2
SCALE: NOT TO SCALE



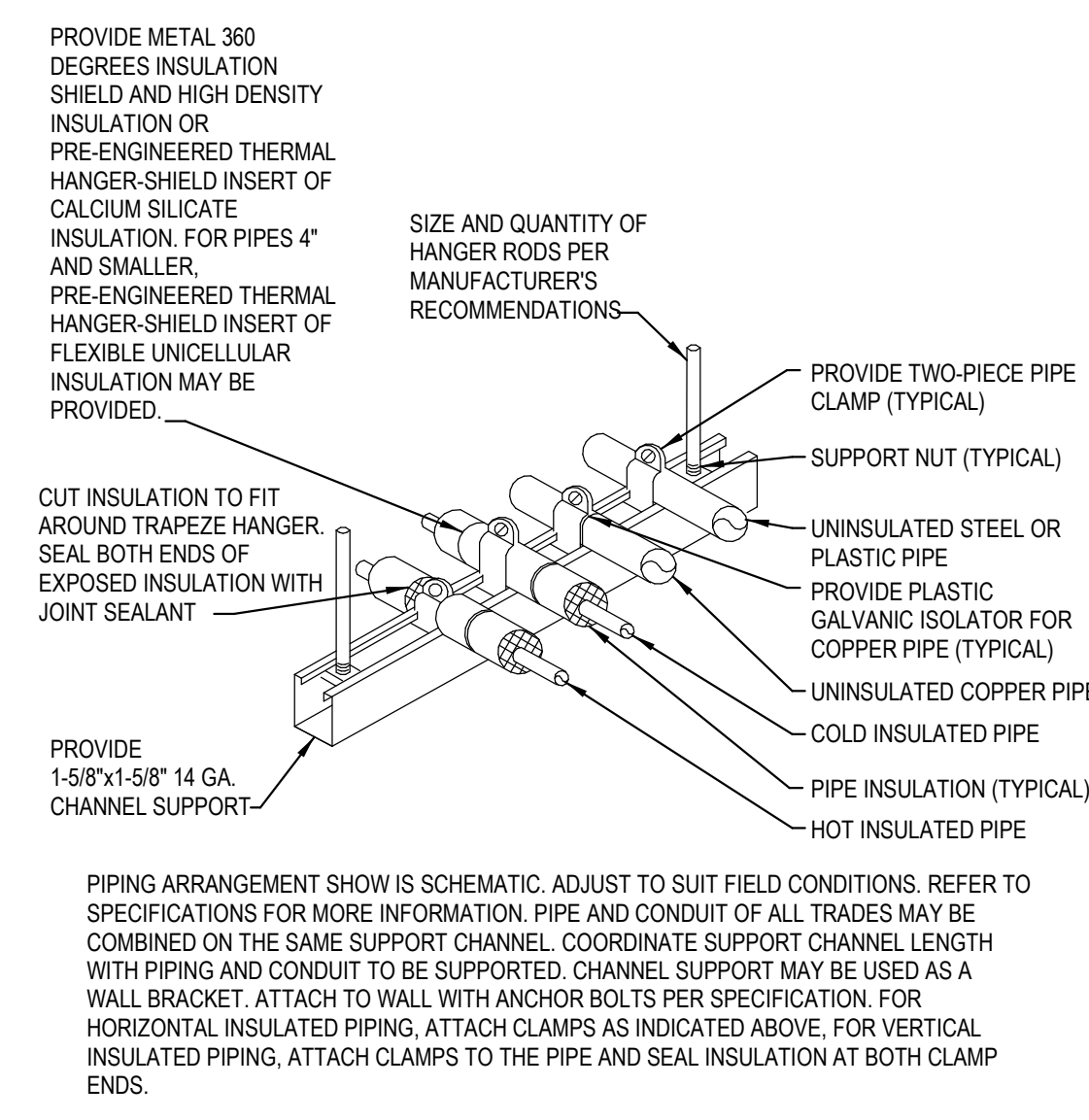
3 DOMESTIC HOT WATER CIRCULATION PUMP DETAIL
SCALE: NOT TO SCALE



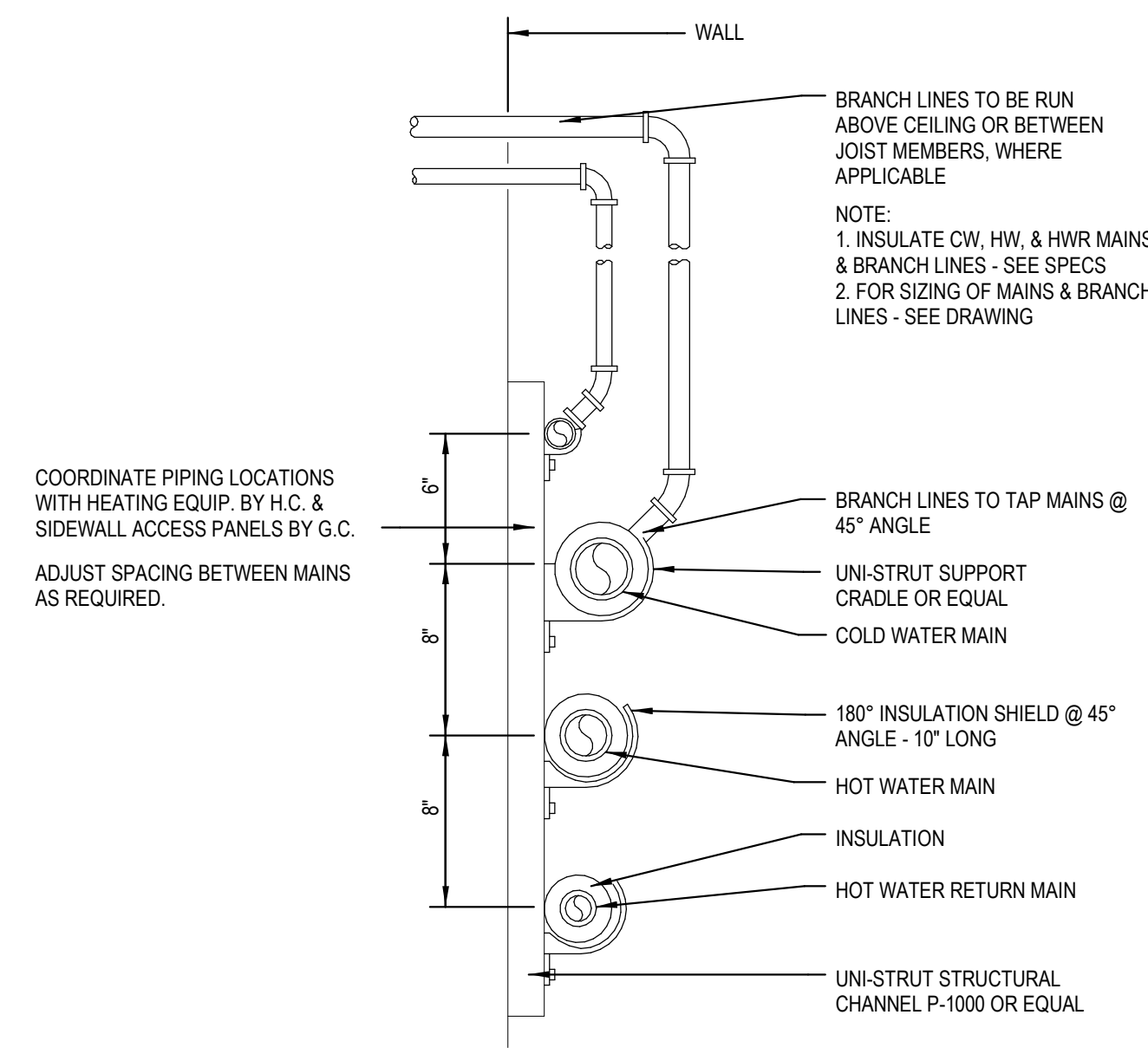
4 VENT THROUGH ROOF 4
SCALE: NOT TO SCALE



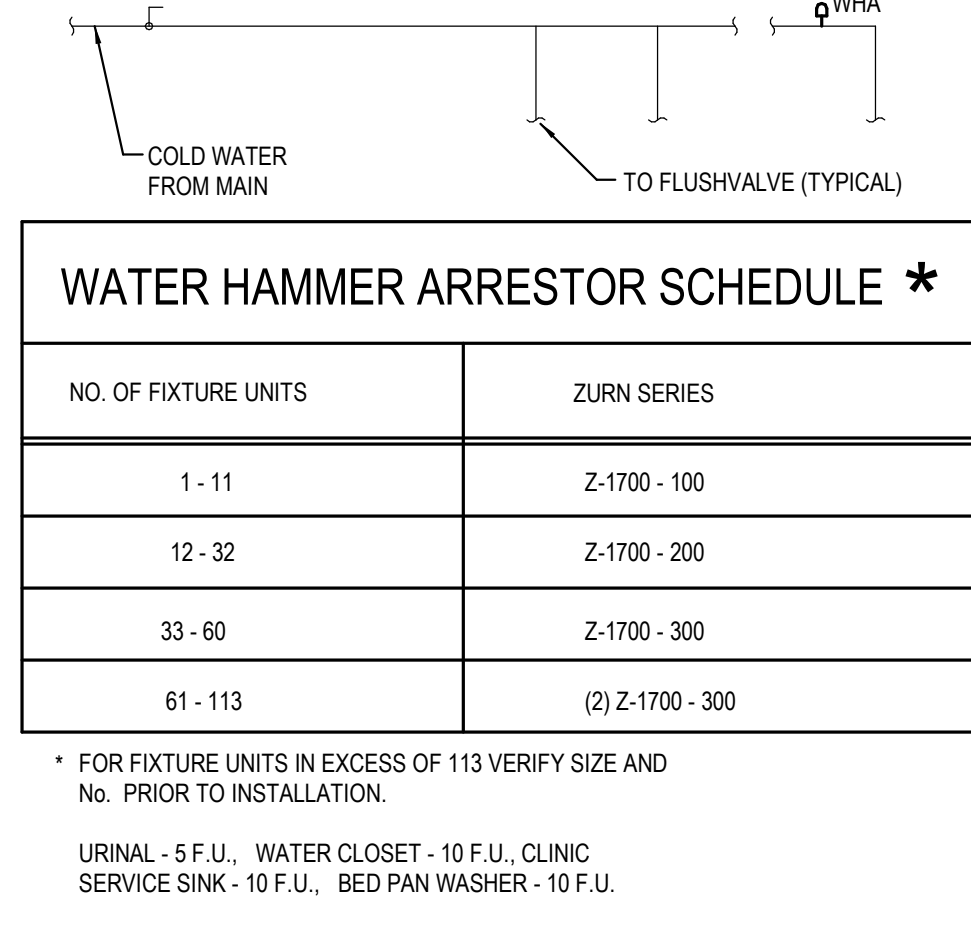
5 LAVATORY WITH SENSOR FAUCET
SCALE: NOT TO SCALE



6 TRAPEZE PIPE HANGER
SCALE: NOT TO SCALE



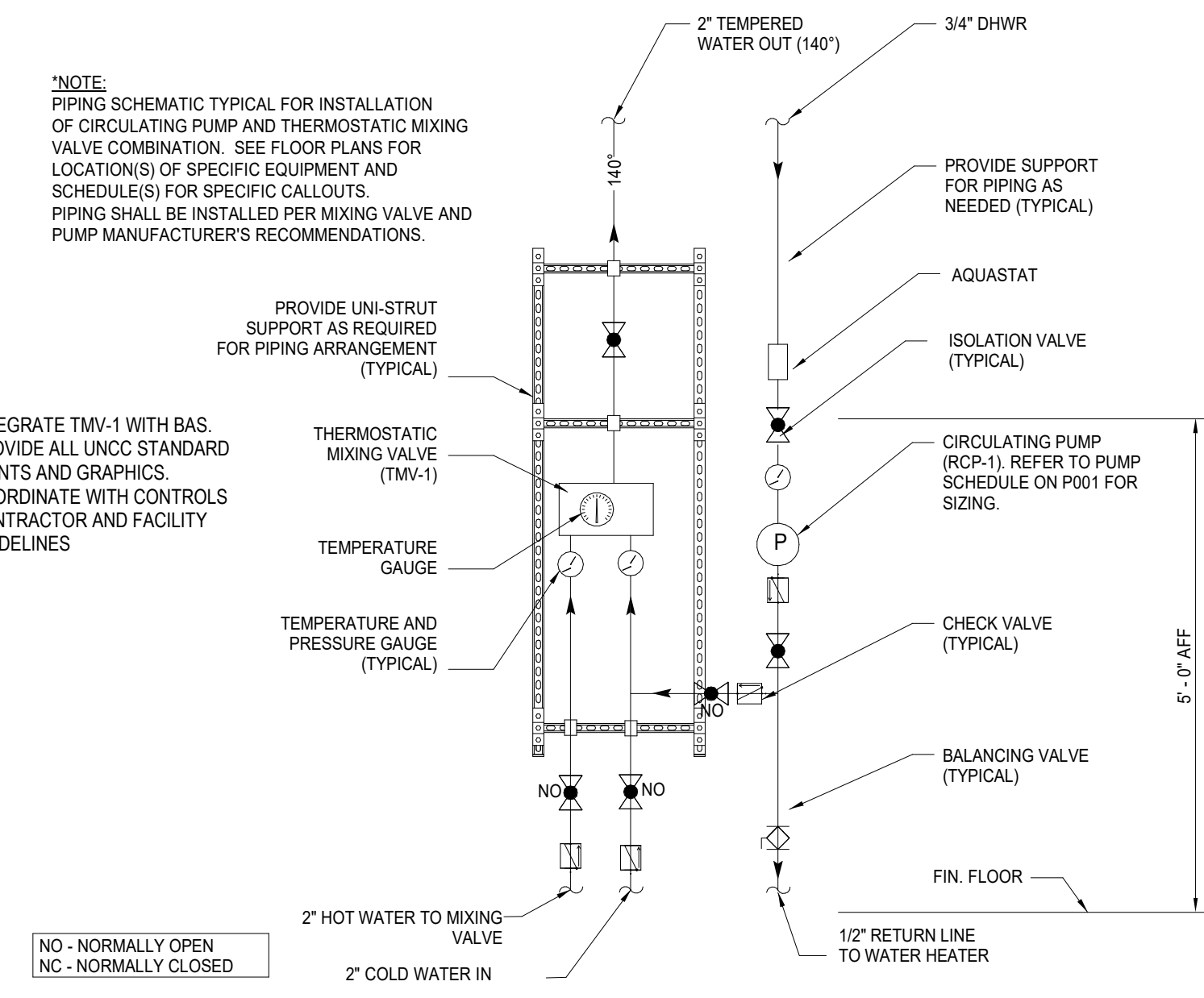
7 PIPE SUPPORT DETAIL
SCALE: NOT TO SCALE



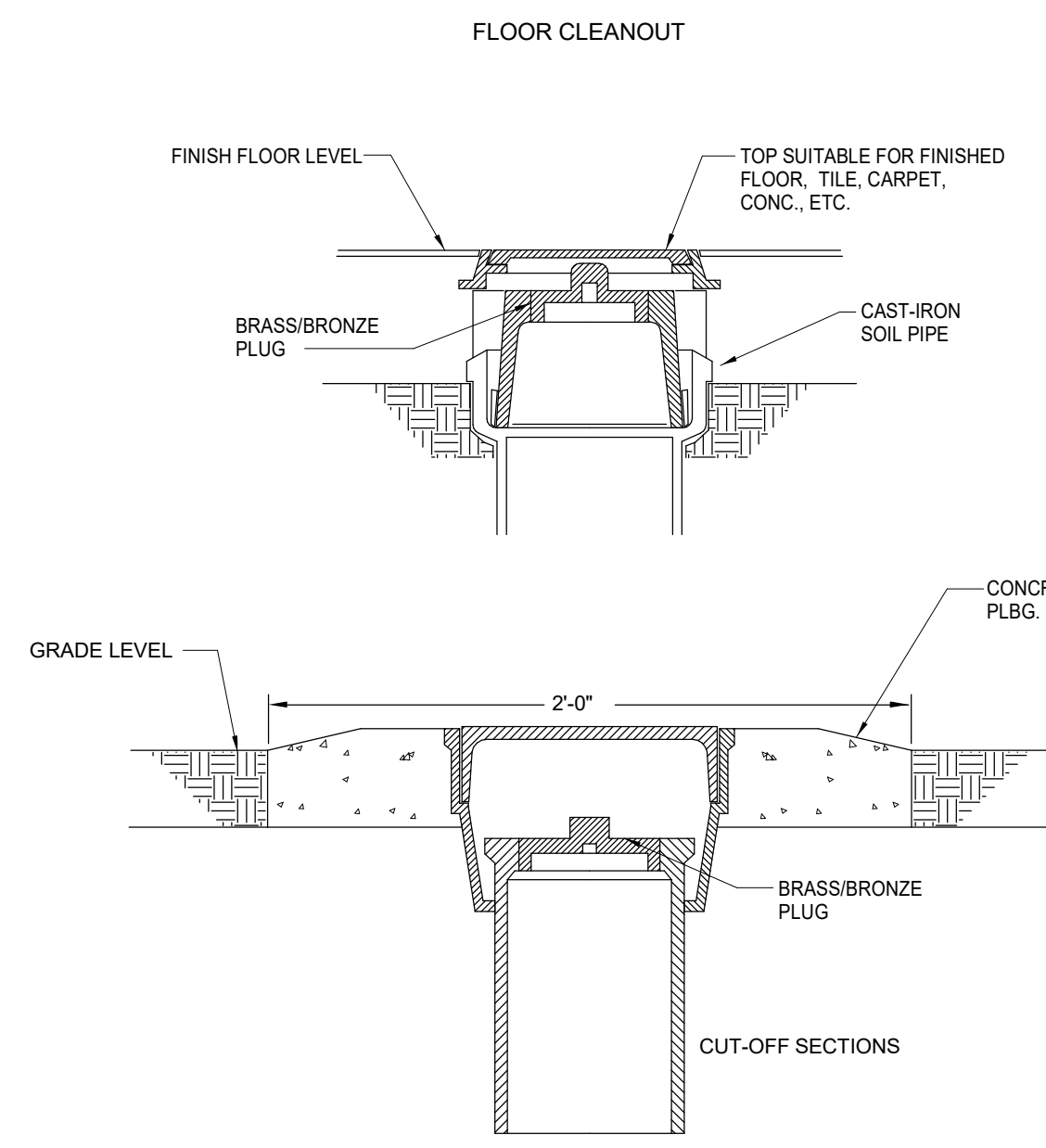
8 WATER HAMMER ARRESTOR PIPING DIAGRAM
SCALE: NOT TO SCALE

NO. OF FIXTURE UNITS	ZURN SERIES
1 - 11	Z-1700 - 100
12 - 32	Z-1700 - 200
33 - 60	Z-1700 - 300
61 - 113	(2) Z-1700 - 300

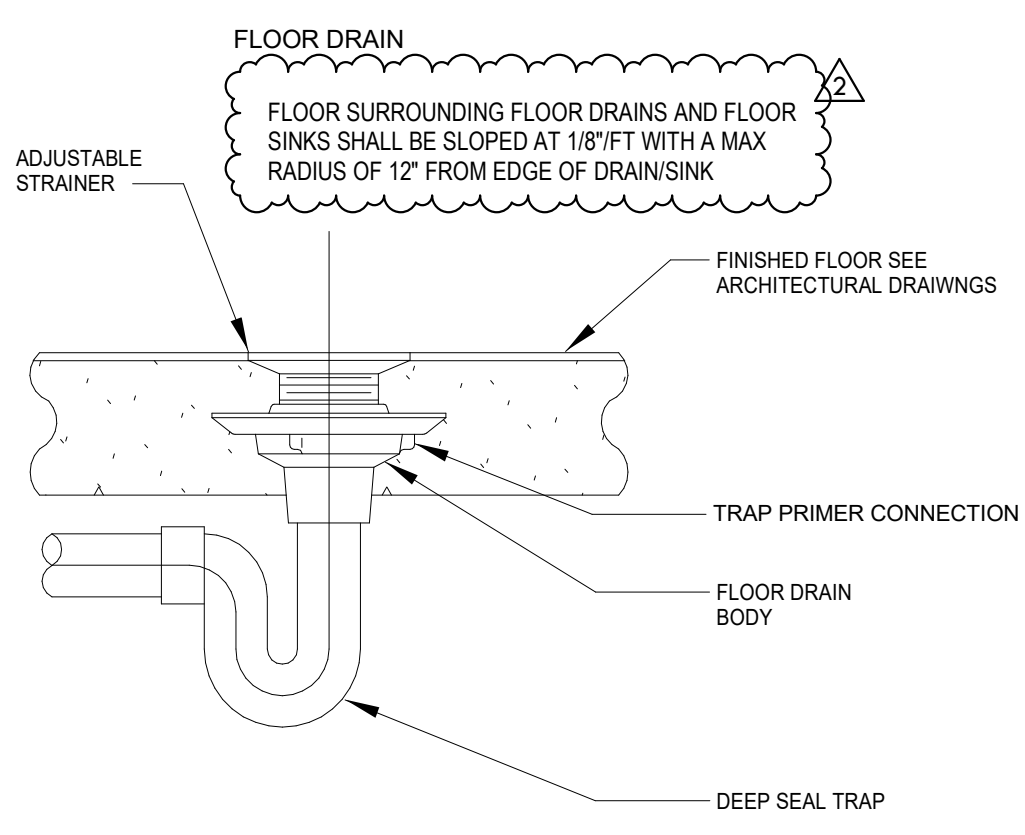
* FOR FIXTURE UNITS IN EXCESS OF 113 VERIFY SIZE AND NO. PRIOR TO INSTALLATION.
URINAL - 5 F.U., WATER CLOSET - 10 F.U., CLINIC SERVICE SINK - 10 F.U., BED PAN WASHER - 10 F.U.



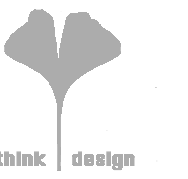
9 TMV-1
SCALE: NOT TO SCALE



10 FLOOR DRAIN, FLOOR CLEANOUT
SCALE: NOT TO SCALE



11 TYPICAL KITCHEN SINK DETAIL W/INDIRECT WASTE
SCALE: NOT TO SCALE

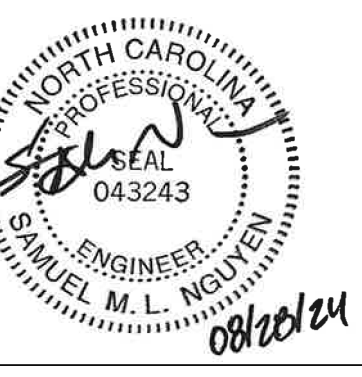


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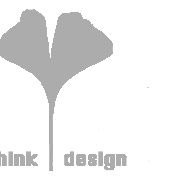
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Title
PLUMBING - DETAILS

Sheet

P500

Plate



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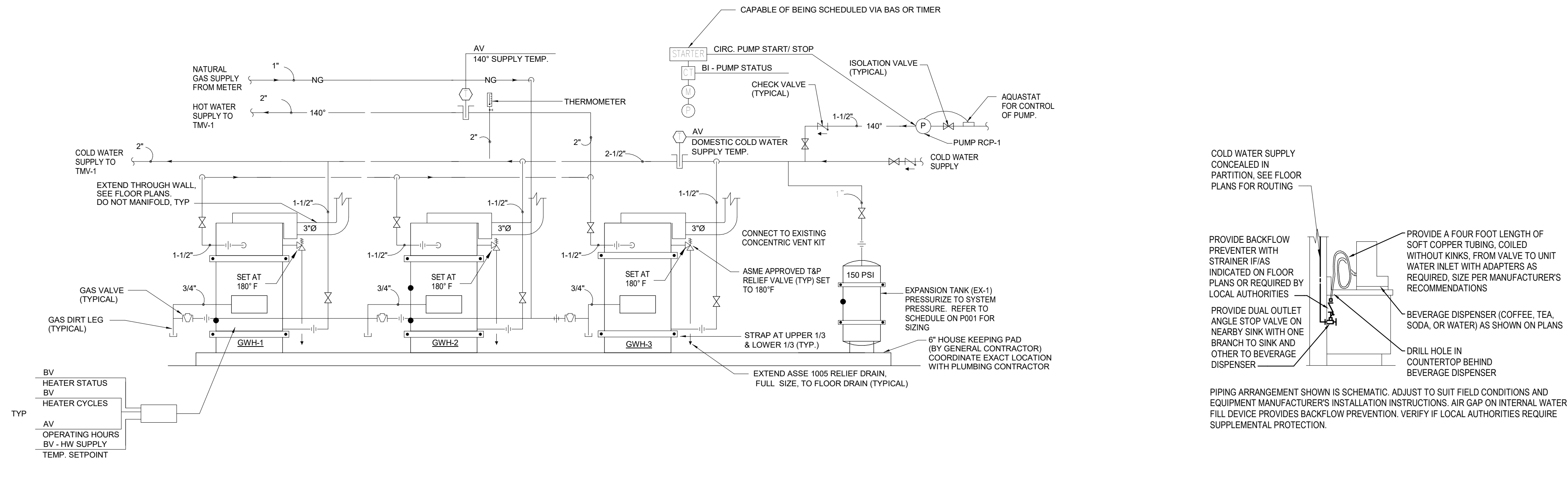


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2	08/28/24 Addendum 2

12 GAS WATER HEATER PIPING

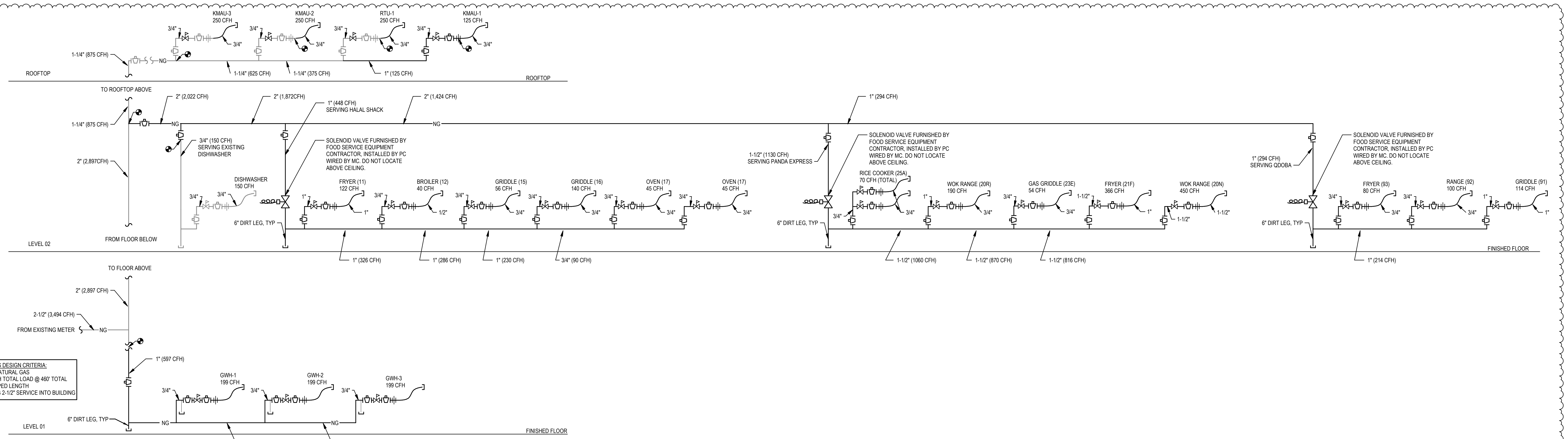
NOT TO SCALE

- NOTES:
- PROVIDE ISOLATION BALL VALVE ON DOMESTIC COLD WATER PIPE SERVING EACH WATER HEATER. LOCATED WITHIN 2' OF WATER HEATER IN ACCORDANCE WITH NCCPC 603.
 - PROVIDE A SEPARATE VALVE AT EACH WATER HEATER TO SHUT OFF NATURAL GAS FUEL SUPPLY IN ACCORDANCE WITH NCCPC 504.3 AND NCCPC FUEL GAS CODE 409.1.1 AND 409.5.
 - REFER TO NCCPC FUEL GAS CODE FOR NATURAL GAS PIPING IDENTIFICATION SECTION 401.5.
 - INSTALL VENT PIPING IN ACCORDANCE WITH NCCPC FUEL GAS CODE SECTION 410.3.1 AND MANUFACTURER RECOMMENDATIONS. PROVIDE WITH CONCENTRIC VENT KIT AS REQUIRED. PC TO REUSE EXISTING CONCENTRIC VENT THROUGH WALL IF POSSIBLE. REFER TO MANUFACTURER RECOMMENDATIONS FOR REQUIRED CLEARANCES AND INSTALLATION INSTRUCTIONS.
 - PIPING SHOWN IN THIS DETAIL IS DIAGRAMMATIC. EQUALLY MANIFOLD INCOMING COLD WATER PIPING, OUTGOING HOT WATER PIPING AND HOT WATER RETURN PIPING. PIPE DIAMETER, ELBOWS AND PIPE LENGTH MUST BE IDENTICAL FOR HOT WATER TO BE DRAWN FROM EQUALLY. ADJUST THERMOSTATS AS REQUIRED SO WATER HEATERS PERFORM EQUALLY.



13 BEVERAGE DISPENSER WATER

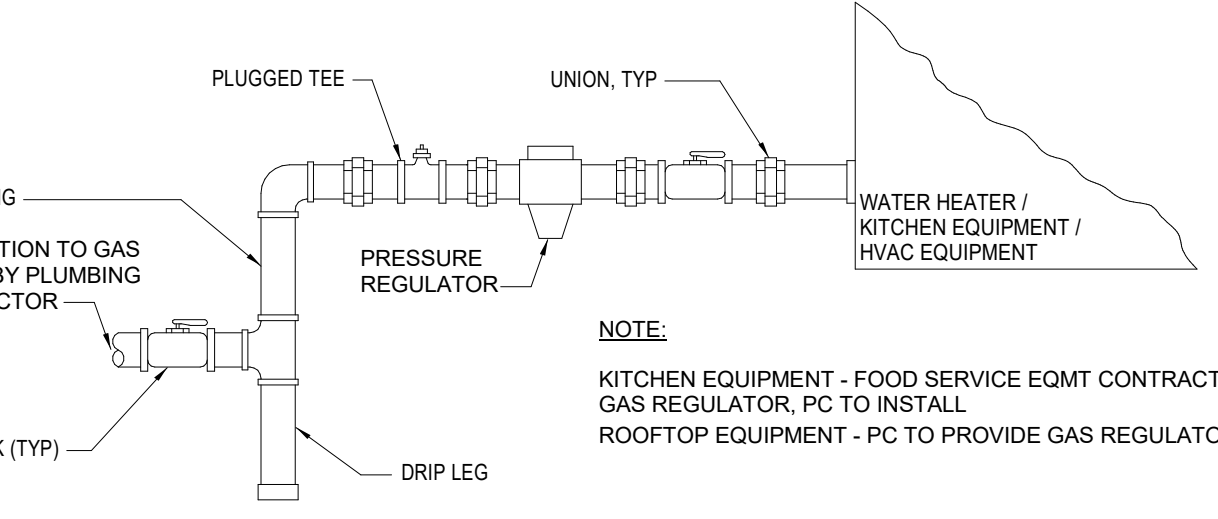
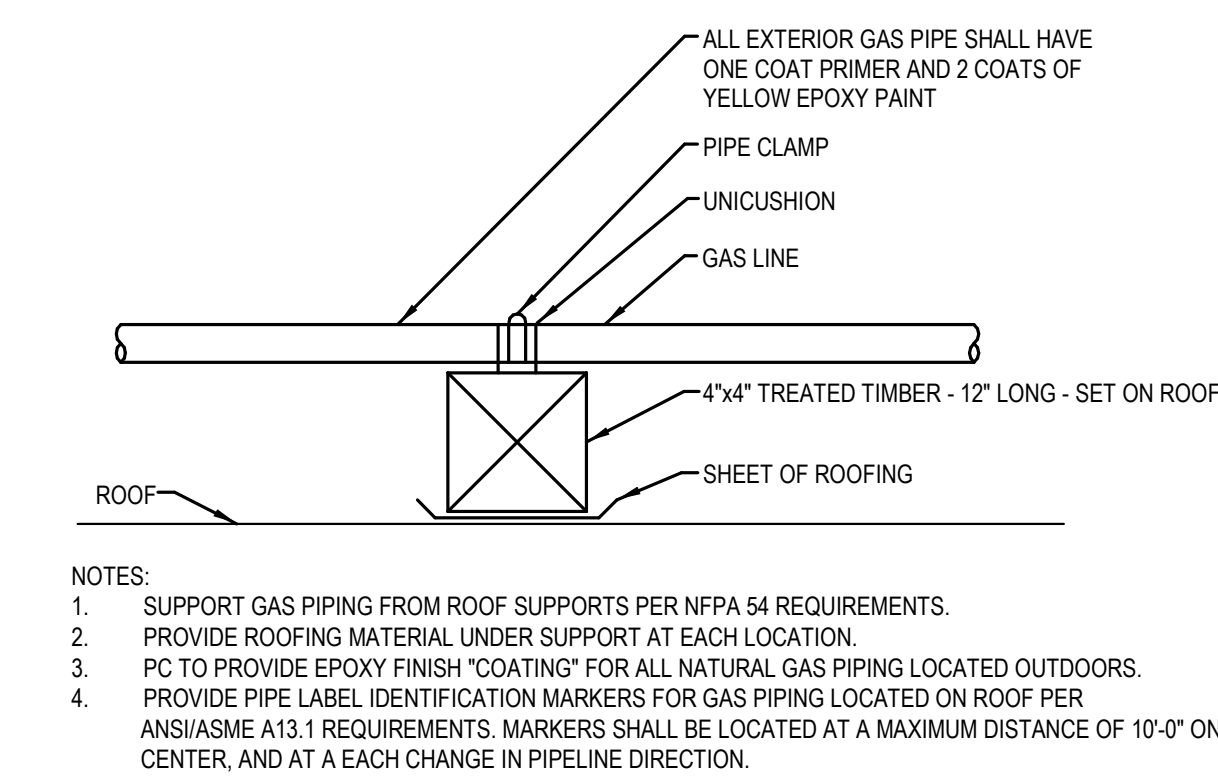
NOT TO SCALE



14 NATURAL GAS RISER DIAGRAM

NOT TO SCALE

- NATURAL GAS DESIGN CRITERIA:
- 2 PSIG NATURAL GAS
 - 3.884 CFH TOTAL LOAD @ 460' TOTAL DEVELOPED LENGTH
 - EXISTING 2-1/2" SERVICE INTO BUILDING



15 GAS PIPE CONNECTION & BLOCKING DETAILS

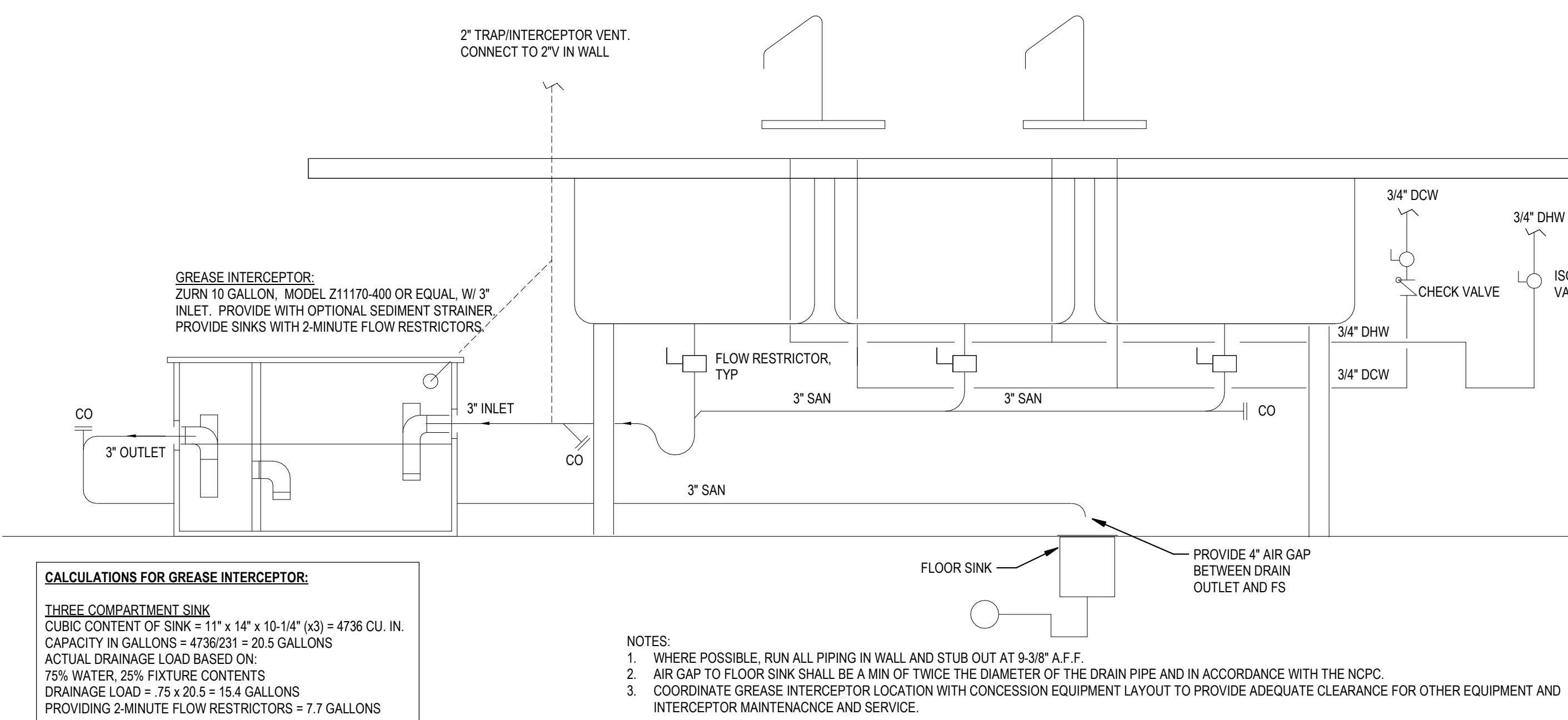
NOT TO SCALE

16 ELECTRIC WATER COOLER (EWC-1)

NOT TO SCALE

17 THREE COMPARTMENT SINK W/ ABOVE GROUND GREASE INTERCEPTOR

NOT TO SCALE

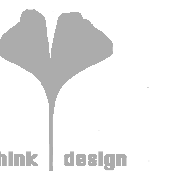


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Upper Prospector Renovation
UNC Charlotte
Charlotte, NC
SCO ID No. 23-26198-02A
McKim & Creed Project No. 07911-0005

Project Number 151B
Title **PLUMBING - DETAILS**

Sheet **P501**
Plate



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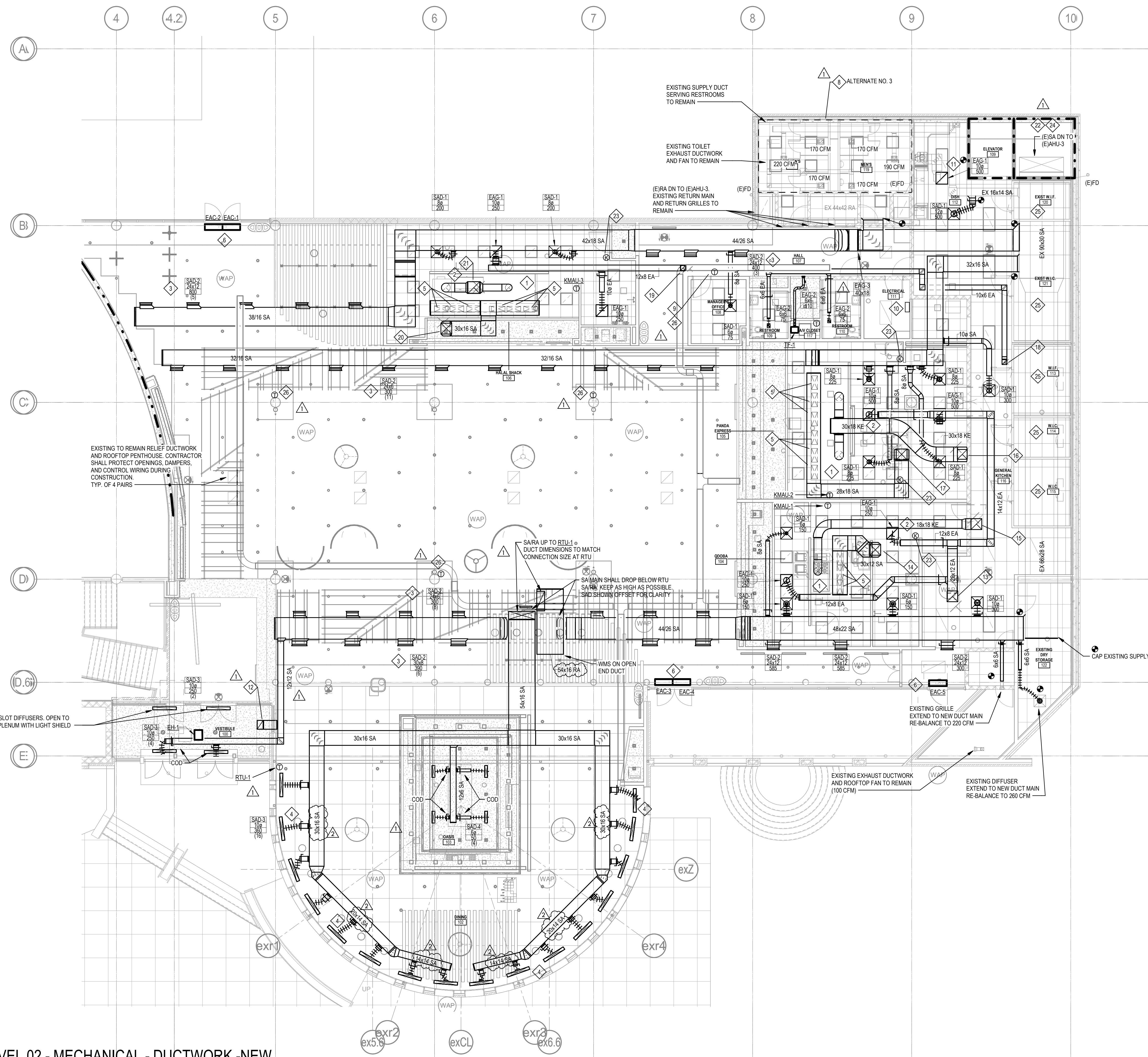
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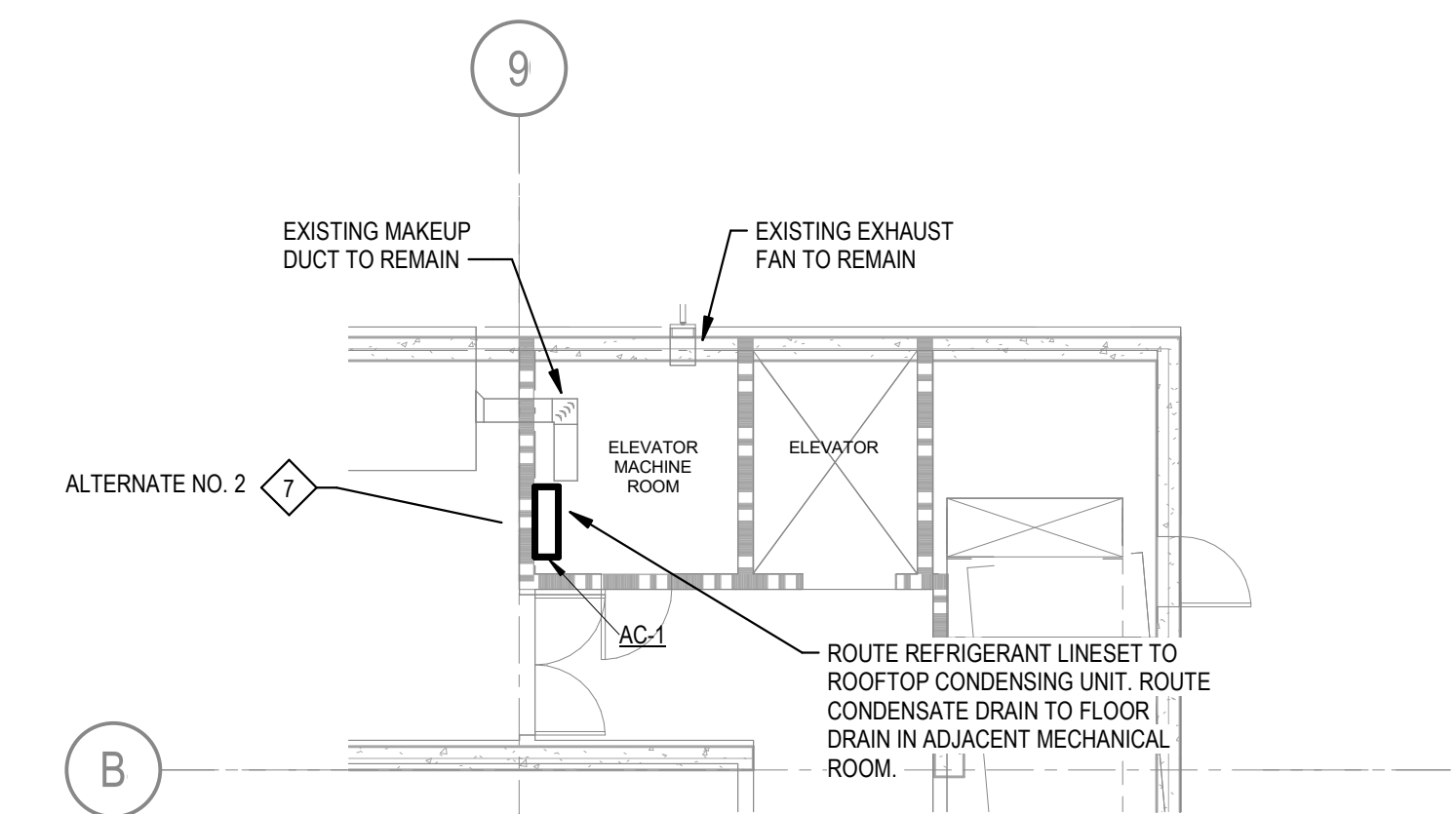


Drawn EMK
Checked BJS
Date July 24, 2024

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



1 LEVEL 02 - MECHANICAL - DUCTWORK - NEW WORK PLAN
SCALE: 1/8" = 1'-0"



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

GENERAL NOTES

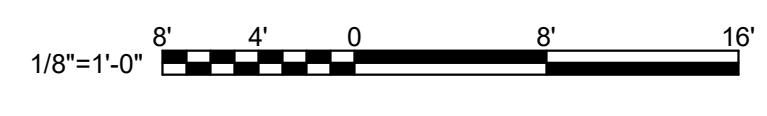
- CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT, OBSTRUCTIONS, STRUCTURAL ELEMENTS, PARTITIONS, ETC. PRIOR TO CREATION OF SHOP DRAWINGS. DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO REPRESENT EVERY HORIZONTAL OR VERTICAL OFFSET REQUIRED TO AVOID OBSTRUCTIONS.
- CONTRACTOR SHALL COORDINATE ALL NEW EQUIPMENT WITH EXISTING CONDITIONS TO MAINTAIN MANUFACTURER AND CODE REQUIRED CLEARANCES.
- CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL SYSTEM OUTAGES OR SHUTDOWNS WITH OWNER MINIMUM OF 2 WEEKS PRIOR TO OUTAGE.
- ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE PROVIDED WITH 1" INTERNAL LINING.
- 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

- PROVIDE TYPE I 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.
- GREASE DUCTS SHALL BE PITCHED TO HOOD OR A GREASE RESERVOIR 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 GREASEKITCHEN AIR APPLICATION.
- PROVIDE WITH VOLUME EXTRACTOR ON DUCT TAP INSTEAD OF VOLUME DAMPER, SIMILAR TO TITUS AG-45 WITH OPERATION TYPE 1 PUSH/PULL WIRE.
- 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.
- 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.
- PROVIDE AIR CURTAIN WITH ELECTRIC HEAT ABOVE DOOR. PROVIDE WITH DOOR JAMB SWITCHES.
- ADDALT_02** - PROVIDE 3-TON DUCTLESS SPLIT SYSTEM IN ELEVATOR MACHINE, SIMILAR TO MITSUBISHI PKAPUY-A36NKAT. PROVIDE WITH BACNET INTERFACE, AND WIRED TO NEAREST BACNET CONTROLLER.
- ADDALT_03** - 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 CFMS LISTED.
- RELOCATE EXISTING STATIC PRESSURE TRANSMITTER TO NEW LOCATION ON WALL. EXTEND WIRING AS NECESSARY. RECALIBRATE SENSOR.
- PROVIDE NEW BACNET/IBAS CONTROLLER IN ELECTRICAL ROOM. ROUTE BACNET TRUNK TO EXISTING JACE LOCATED IN ELECTRICAL ROOM 144 (ON FLOOR BELOW).
- EXISTING EXHAUST DUCT TO DISHWASHER AND UP TO ROOF TO REMAIN. EXTEND DUCT TO NEW EXHAUST GRILLE.
- 18x14 TRANSFER DUCT WITH INTERNAL LINING AND MINIMUM 2 ELBOWS.
- 18x16 EA UP TO **EX2** WITH MOTORIZED DAMPER. RE-USE EXISTING ROOF PENETRATION.
- 22x22 SA UP TO **KMAU1**. RE-USE EXISTING ROOF PENETRATION.
- 22x22 GREASE EA UP TO **KX1**. RE-USE EXISTING ROOF PENETRATION.
- 22x22 GREASE EA UP TO **KX2**. RE-USE EXISTING ROOF PENETRATION.
- 22x22 SA UP TO **KMAU2**. RE-USE EXISTING ROOF PENETRATION.
- 10x10 EA UP TO **TX1** WITH MOTORIZED DAMPER. RE-USE EXISTING ROOF PENETRATION.
- 10x10 EA UP TO **EX1** WITH MOTORIZED DAMPER. PROVIDE NEW ROOF PENETRATION.
- 22x22 SA UP TO **KMAU3**. PROVIDE NEW ROOF PENETRATION.
- 22x22 GREASE EA UP TO **KX3**. RE-USE EXISTING ROOF PENETRATION.
- RE-BALANCE (E) AHU-3 SUPPLY FAN VFD'S AND MINIMUM O.A. CFM AS PART OF TAB PROCESS. MINIMUM O.A. AND RETURN DAMPERS SHALL BE BALANCED TO PER VALUES IN EQUIPMENT SCHEDULE.
- 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.
- CONTRACTOR SHALL RE-BALANCE MINIMUM OUTSIDE AIR, CHW FLOW, HW FLOW, AND SUPPLY AIR FLOW TO VALUES SHOWN IN SCHEDULE.
- PROVIDE WALL MOUNTED TEMPERATURE SENSOR INSIDE WALK-IN BOX. CONNECTED TO BAS. PROVIDE ADDITIONAL BAS POINT FOR WALK-IN CONTROLL GENERAL ALARM CONTACT.
- PROVIDE NEW WALL-MOUNTED TEMPERATURE SENSOR. INTENT IS TO AVERAGE READINGS IN BAS.

WALL RATING LEGEND

	2-HOUR RATED WALL
	1-HOUR RATED WALL

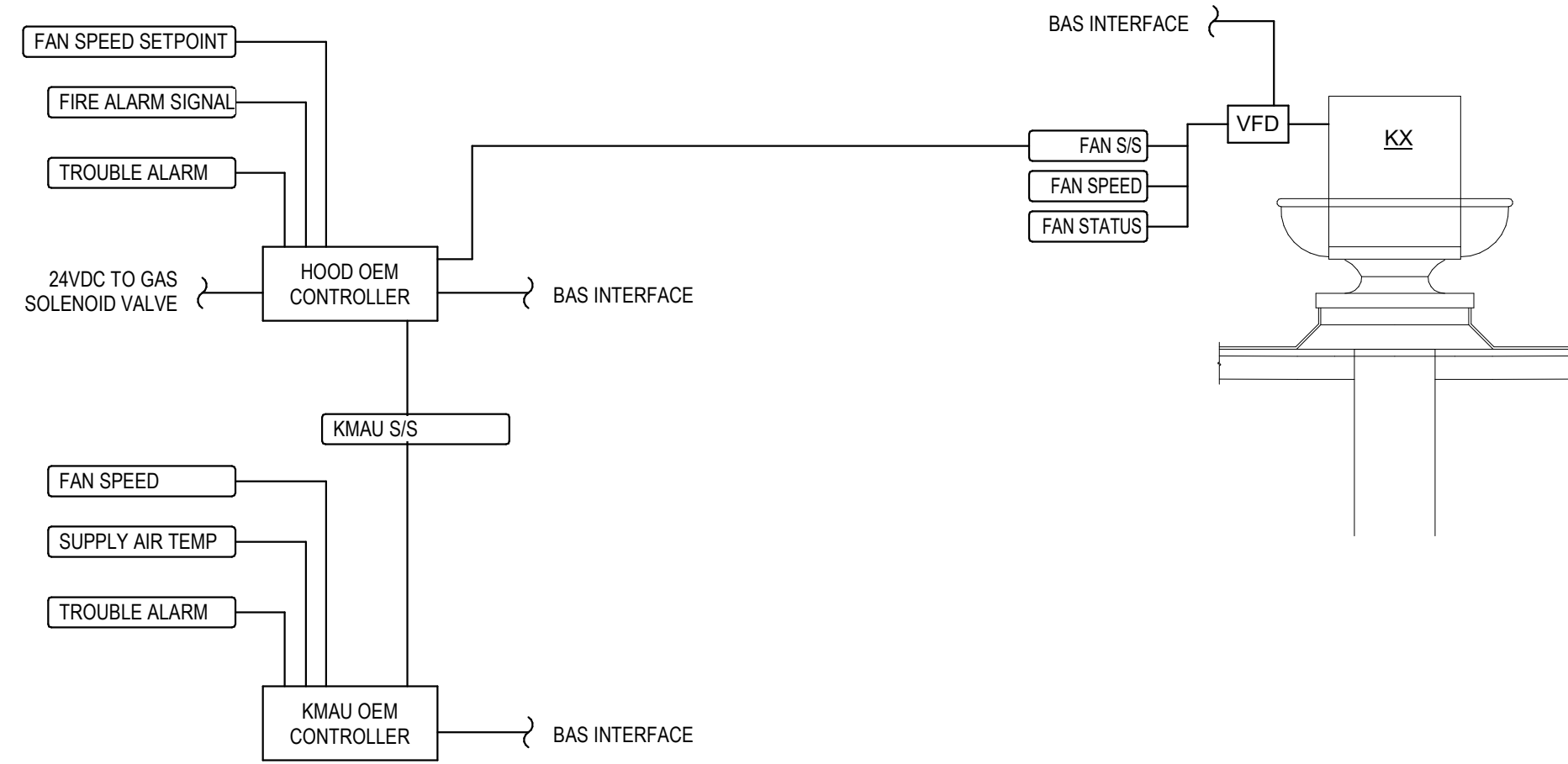


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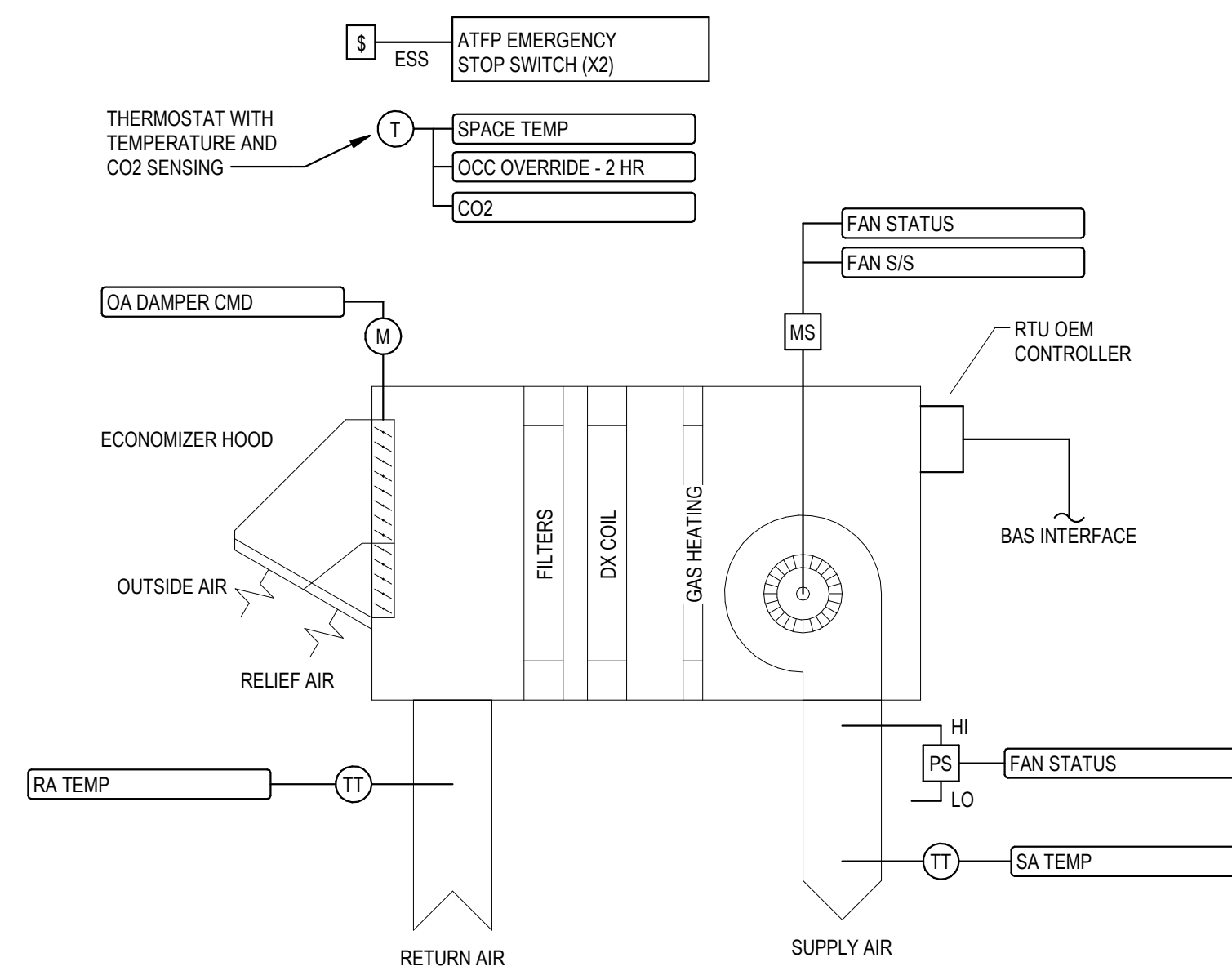
POINT DESCRIPTOR	POINT TYPE				ALARM	TREN	OEM	NOTES
	DI	AI	DO	AO				
TROUBLE ALARM	X		X		X	X		
KX FAN SPEED SETPOINT				X		X		
FAN SPEED CMD (FROM HOOD PANEL)		X				X		
KX FAN SPEED (FROM VFD)		X				X		
KX FAN STATUS (VFD)		X				X		
KMAU OCCUPANCY SETPOINT			X			X		
KMAU FAN SPEED SETPOINT				X		X		
KMAU DISCHARGE AIR TEMP SETPOINT			X			X		
KMAU FAN SPEED (FROM KMAU CONTROLLER)		X				X		
KMAU DISCHARGE AIR TEMP		X				X		
MODE (COOLING, HEATING)		X				X		
COMPRESSOR STATUS	X					X		
GAS HEAT STAGE STATUS	X					X		
SPACE TEMPERATURE		X				X		
WALK-IN BOX TEMPERATURE		X				X		
WALK-IN BOX CONTROLLER GENERAL ALARM	X					X		



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.



POINT DESCRIPTOR	POINT TYPE				ALARM	TREN	OEM	NOTES
	DI	AI	DO	AO				
OCCUPANCY SETPOINT		X				X		
FAN STATUS		X				X		
OA DAMPER POSITION		X				X		
OA DAMPER SETPOINT		X						
RA TEMPERATURE		X				X		
SA TEMPERATURE COOLING SETPOINT			X					
SA TEMPERATURE HEATING SETPOINT			X					
SA TEMPERATURE		X				X		
SPACE TEMPERATURE		X				X		
SPACE TEMPERATURE SETPOINT				X				
SPACE CO2		X				X		
COMPRESSOR STATUS	X							
GAS HEAT STAGE STATUS	X							
MORNING WARMUP SETPOINT				X				
ECONOMIZER								ON/OFF SIGNAL FROM BAS
ECONOMIZER STATUS	X					X		

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. RTUS OCCUPIED MODE SHALL BE DETERMINED BY BAS SCHEDULE OR BY OPERATOR CONTROL AND BE INDICATED BY AN OCCUPANCY STATUS POINT.

UNOCCUPIED

- SUPPLY FANS OFF
- OUTSIDE AIR DAMPER CLOSED
- RETURN AIR DAMPER OPEN

UNOCCUPIED HIGH TEMPERATURE LIMIT

- 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 TEMPERATURE LIMIT MODE.
- IF THE ECONOMIZER IS NOT SIGNALLED TO BE ACTIVE BY TEB 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 CONTROLLER WILL OPERATE THE SUPPLY FAN AND COMPRESSORS TO PROVIDE SPACE COOLING. IF ECONOMIZER IS AVAILABLE, FOLLOW THE ECONOMIZER SEQUENCE.
- INDEX THE ROOFTOP UNIT BACK TO UNOCCUPIED MODE WHEN THE SPACE TEMPERATURE DROPS BELOW 80F (ADJ.).

UNOCCUPIED LOW TEMPERATURE LIMIT

- 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.
- ALL OUTSIDE AIR DAMPERS WILL REMAIN CLOSED AND THE RETURN AIR DAMPER WILL BE OPEN.
- THE RTU OEM CONTROLLER WILL OPERATE THE SUPPLY FAN AND COMPRESSORS TO PROVIDE SPACE HEATING.
- INDEX THE AIR HANDLING UNIT TO UNOCCUPIED MODE WHEN THE SPACE TEMPERATURE RISES ABOVE 60F (ADJ.).

MORNING COOL DOWN

- THE BAS OPTIMAL START SOFTWARE WILL CALCULATE A START TIME FOR THE SYSTEM.
- 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 OCCUPIED MODE.

MORNING WARM UP

- THE BAS OPTIMAL START SOFTWARE WILL CALCULATE A START TIME FOR THE SYSTEM.
- IF 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 REACHES OCCUPIED SETPOINT OR IF THE BUILDING BECOMES OCCUPIED, AT WHICH POINT THE RTU WILL ENTER THE OCCUPIED MODE.

OCCUPIED

- THE BAS SCHEDULING WILL INDEX THE RTU FOR OCCUPIED OPERATION BASED ON OPTIMAL START ROUTINE.
- 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.
 - USING SENSOR CO2 PPM, IF THE CO2 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 CO2 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 CO2 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 CO2 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.
- THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY IN OCCUPIED MODE. THE FAN SPEED SHALL BE CONTROLLED BY THE RTU OEM CONTROLLER.

ECONOMIZER

- THE ECONOMIZER WILL ACT AS INITIAL STAGE OF COOLING WHEN ACTIVATED ON SIGNAL FROM BAS. OTHERWISE THE ECONOMIZER SHALL BE DISABLED.
- THE OUTSIDE AIR DAMPERS WILL MODULATE OPEN AS THE SPACE TEMPERATURE RISES ABOVE SETPOINT. THE REVERSE WILL OCCUR IN A FALL IN SPACE AIR TEMPERATURE.

RTU TEMPERATURE CONTROL

- WHEN COOLING, THE RTU OEM CONTROLLER WILL STAGE/MODULATE THE COMPRESSORS AND SUPPLY FANS TO 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.

1 KITCHEN EXHAUST AND MAKEUP AIR CONTROLS
SCALE: 1/8" = 1'-0"

2 ROOFTOP UNIT CONTROLS (NON-KITCHEN)
SCALE: 1/8" = 1'-0"

POINT DESCRIPTOR	POINT TYPE				ALARM	TREN	OEM	NOTES
	DI	AI	DO	AO				
TEMP SENSOR		X			X	X		
WALK-IN CONTROLLER GENERAL ALARM	X				X	X		

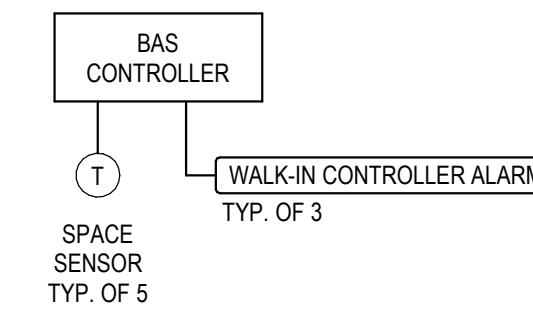
SEQUENCE OF OPERATIONS

TEMPERATURE SENSOR SHALL MONITOR SPACE TEMPERATURE WITHIN WALK-IN BOX.

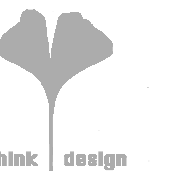
BAS SHALL ALARM IF TEMPERATURE IS GREATER THAN ALARM SETPOINT FOR MORE THAN 5 MIN (ADJ.)

ALARM SETPOINTS:
FREEZER: 30 DEG (ADJ.)
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"



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Drawn EMK

Checked BJS

Date July 24, 2024

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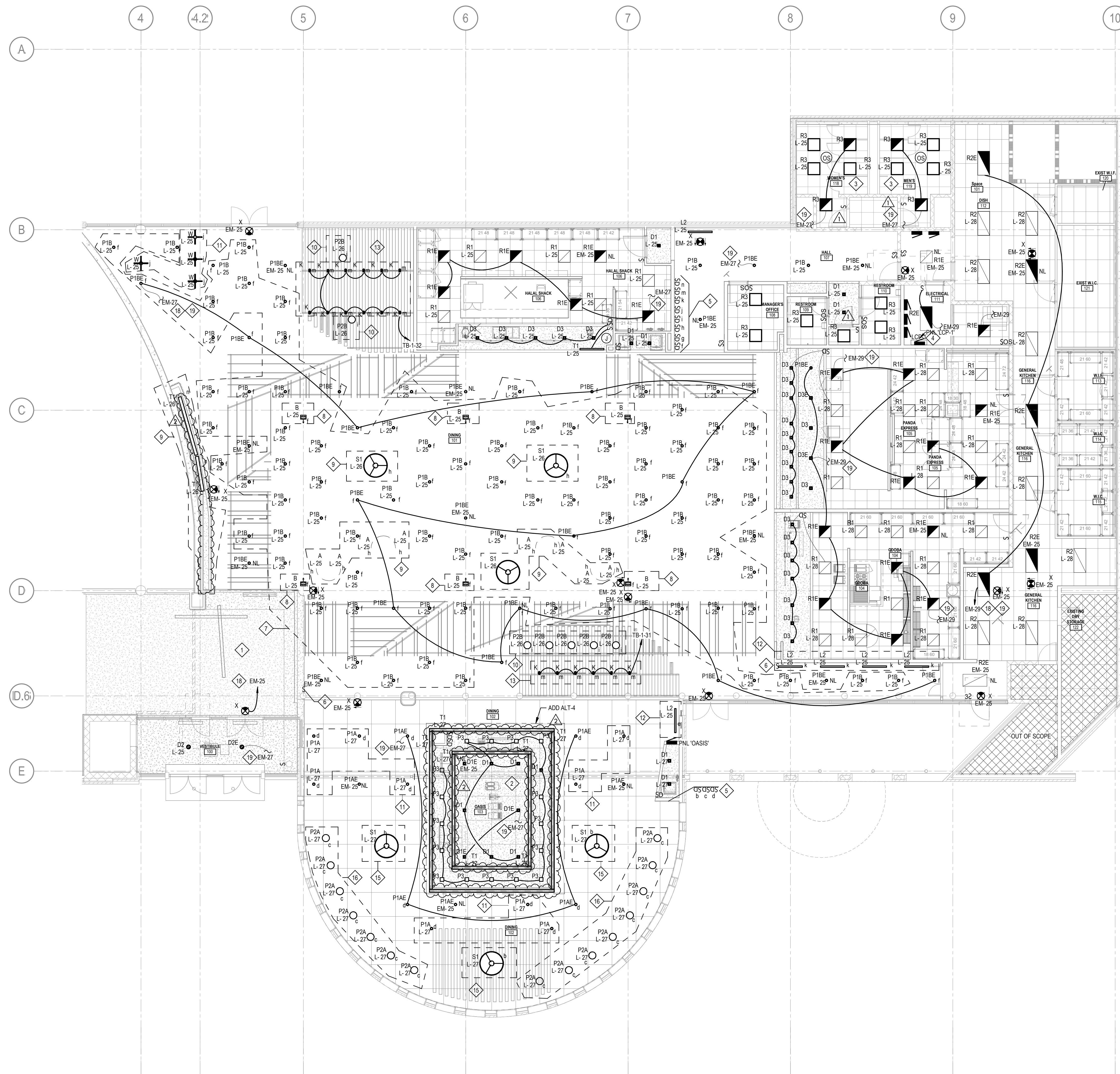
Project Number 151B

MECHANICAL - CONTROLS DIAGRAMS
2

Sheet

M602

Plate



- GENERAL NOTES:
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES, AND CEILING TYPES. COORDINATE CEILING TYPES AND PROVIDE FIXTURE TRIM AS REQUIRED.
 - 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.
 - SUBSCRIPT 'E' DENOTES EMERGENCY BRANCH. A UL924 DEVICE SHALL BE INSTALLED TO CONTROL THESE FIXTURES DURING LOSS OF POWER.
 - 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.
 - FIXTURES WITH LABEL '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 AREA.
 - 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 'DASIS'.
 - ADD ALT-3 SHALL INCLUDE REPLACEMENT OF LIGHT FIXTURES AND CONTROLS AS SHOWN. BASE BID SHALL NOT INCLUDE ANY RENOVATION TO THE BATHROOMS.
 - 16 RELAY LIGHTING CONTROL PANEL (LCP-1) WITH PROGRAMMABLE DIMMING RELAYS, DIGITAL TIME CLOCK CONTACT INPUT FOR FIRE ALARM OVERRIDE, 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.
 - 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.
 - 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.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 1 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE f SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 2 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE g SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 3 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE h SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 4 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE i SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 5 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE j SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 6 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE k SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 7 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE m SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 8 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE n SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 9 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE o SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 10 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE p SUBSCRIPT.
 - LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED BY LCP-1, RELAY 11 ZONE AND CIRCUIT WITH SWITCH THAT INDICATE LOWER CASE q SUBSCRIPT.
 - PROVIDE 20A, 1POLE, 277V, 14KAIC SIEMENS NGB18020 BREAKER IN EXISTING PANELBOARD EM.
 - 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 MANUFACTURER REQUIREMENTS.

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

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

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2	08/28/24	Addendum 2

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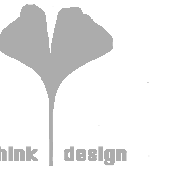
Upper Prospector Renovation
 UNC Charlotte
 Charlotte, NC
 SCO ID No. 23-26198-02A
 McKim & Creed Project No. 07911-0005

Project Number 151B
 Title
ELECTRICAL - LIGHTING - NEW WORK - SECOND FLOOR
 Sheet
E201
 Plate

LIGHTING FIXTURE SCHEDULE										
TYPE	MANUFACTURER	MODEL	ALTERNATES	MOUNTING	VOLTAGE	WATTS	LAMP_TYPE	LUMENS	COLORTEMP	DESCRIPTION
A	ALW	MR1-5-CQ48/2-SS-MED/90/30-00-V00-N-SB/5B-UNV	ZENLITE ARC1 BASOLIGHTING CURVE2.5	SUSPENDED CABLE	120/277V	46W	LED	3000	3000K	QUAETER RING LED FIXTURE WITH 48" RADIUS (TWO QUARTER RINGS GROUPED TOGETHER FOR A HALF CIRCLE)
B	ELLIPTIPAR	S124-H-12-E-22-M-V0-0-RGB-ZX-AW-B-TP-DMX-0	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 HOUSING AND WIRELESS RGBW LED DIMMER SWITCH CONTROLLER.
D1	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SOD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4" SQUARE RECESSED LED DOWNLIGHT (NOTE 3)
D1E	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SOD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4" SQUARE RECESSED LED DOWNLIGHT (NOTE 3)
D2	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)
D2E	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)
D3	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SOD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4" SQUARE RECESSED LED DOWNLIGHT. 90CRI (NOTE 3)
D3E	HE WILLIAMS	4DS SERIES	LITHONIA LDN4 SQUARE SERIES PRESCOLITE LITEISTRY LTR-4SOD SERIES	RECESSED	120/277V	17.4W	LED	1500	3000K	4" SQUARE RECESSED LED DOWNLIGHT. 90CRI (NOTE 3)
K	WAC LIGHTING	TRACK SYSTEM H	LUMENTURE T50 SERIES JUNO R500 SERIES	TRACK	120V	11W	LED	500	3000K	TRACK LIGHTING FIXTURE, 90CRI,
L2	VODE	"WINGRAIL"	ALCON 12160 SERIES PURE EDGE PIPELINE SERIES	PENDANT LINEAR	120/277V	24.4W	LED	1212	3000K	4" LED PENDANT LINEAR WALL WASH LUMINAIRE, STANDARD OUTPUT
P1A	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	SURFACE	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" SURFACE MOUNT 6" DOWNLIGHT, 90CRI, WIDE OPTICS
P1AE	LUMENPULSE	"CYLINDERS"	HE WILLIAMS 6CR SERIES LITHONIA LDN6 SERIES	SURFACE	277V	19W	LED	2000	3000K	LUMENWORKS "CYLINDERS" SURFACE MOUNT 6" DOWNLIGHT, 90CRI, WIDE OPTICS
P1B	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
P1BE	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
P2A	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,
P2B	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, BUT FINISH SHALL BE DIFFERENT. COORDINATE WITH ARCHITECT.
P3	APOLLO	"MICRO-SUSPENSION"	CERCHIO LIGHTING VIOLA PENDANT VIVEX LIGHTING WALDORF 7" PENDANT (SHATTER PROOF BULB REQUIRED)	PENDANT	120/277V	50W	MR16 GX5.3		3000K	ARCHITECTURAL PENDANT DOWNLIGHT
R1	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	54W	LED	6500	3500K	2X2 TROFFER, TRIPLE GASKETED
R1E	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	54W	LED	6500	3500K	2X2 TROFFER, TRIPLE GASKETED
R2	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	48W	LED	5900	3500K	2X4 TROFFER, TRIPLE GASKETED
R2E	HE WILLIAMS	50 SERIES	LITHONIA GTL SERIES COLUMBIA LIGHTING LJT SERIES	RECESSED	120/277V	48W	LED	5900	3500K	2X4 TROFFER, TRIPLE GASKETED
R3	HE WILLIAMS	LT SERIES	LITHONIA VTL SERIES COLUMBIA LIGHTING LCAT-S SERIES	RECESSED	120/277V	30W	LED	3000	3500K	2X2 BASKET SYTLE TROFFER
S1	ARANCIA	"DRUM P82"	FINELITE HP2 PROGRESS LIGHTING INVERSE LED	PENDANT	120/277V	55W	LED	4700	3000K	44" LED PENDANT DRUM
T1	LLI	LLI-DPW-SF-CW7.0W-R30-PWR	KELVIX BTX SERIES AND JUNO JFX.	SURFACE	120/277V	7.0W/LF	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. LIGHT FIXTURE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
W					120/277V	74W		1924		
X	HE WILLIAMS	EXIT/EL	LITHONIA EDG-EDGR SERIES COMPASS CEL SERIES	CEILING/WALL	120/277V	4W	LED	-	-	VERIFY MOUNTING WITH ARCHITECTURAL PLANS

GENERAL NOTES:

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



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Drawn EM
Checked WM
Date July 24, 2024

Revisions
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

ELECTRICAL - SCHEDULES

Sheet

E701

Plate

EX. Panelboard: 2004DP
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 400
SERVED FROM: 112.5KVA
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: UTILITY 124
18 :KAIC RATING

EX Panelboard: 2004ME
VOLTAGE: 480/277 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 400
SERVED FROM: Type 1
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: UTILITY 124
18 :KAIC RATING

Panelboard: PANDA EXP
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MCB
MAINS RATING: 225
SERVED FROM: 2004DP
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: ELECTRICAL 111
10 :KAIC RATING

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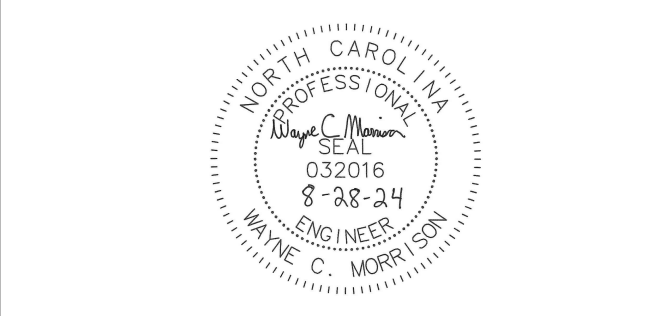
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Panelboard: QDOBA
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MCB
MAINS RATING: 225
SERVED FROM: 2004DP
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: ELECTRICAL 111
10 :KAIC RATING

Panelboard: HALAL
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MCB
MAINS RATING: 100
SERVED FROM: 2004DP
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: ELECTRICAL 111
10 :KAIC RATING

Panelboard: OASIS
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 225
SERVED FROM: 2004DP
ENCLOSURE NEMA... Type 1
MOUNTING: Recessed
LOCATION: DINING 102
10 :KAIC RATING



Drawn EM
Checked WM
Date July 24, 2024

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

Panelboard: TB-1
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MCB
MAINS RATING: 200
SERVED FROM: EX 112.5KVA
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: Space 101
10 :KAIC RATING

Panelboard: TB-2
VOLTAGE: 208/120 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 100
SERVED FROM: TB-1
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: Space 101
10 :KAIC RATING

EX. Panelboard: L
VOLTAGE: 480/277 Wye
PHASE: 3
WIRE: 4
MAINS TYPE: MLO
MAINS RATING: 100
SERVED FROM: Type 1
ENCLOSURE NEMA... Type 1
MOUNTING: Surface
LOCATION: 25EX :KAIC RATING

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SCO ID No. 23-26108-02A
McKin & Creed Project No. 07911-0005

LOAD SUMMARY
EXISTING PANELBOARD DESIGNATION - MDP
P/NL RATED CAPACITY: 1000 AMPS
480Y/277V
LOAD REMOVED: 147.2 KVA
ADDED LOAD: 417.6 KVA
EXISTING LOAD: 287 KVA
TOTAL: 557.4 KVA
671.6 A
NOTES: EXISTING LOAD SHOWN IS 125% OF THE 12 MONTH PEAK DEMAND METER LOAD

Project Number 151B
Title
ELECTRICAL PANEL SCHEDULES
Sheet
E702
Plate