

PROJECT INFO

CODE REVIEW

PROJECT SCOPE

DRAWING INDEX

PROJECT NAME: 2701 BULL STREET

PROPERTY ADDRESS: 2701 BULL STREET
SAVANNAH, GA 31412

OWNER CONTACT: CONTACT ARCHITECT OF RECORD

ARCHITECT OF RECORD: AIKEN DESIGN
603 E 51ST STREET
SAVANNAH, GA 31405
NATALIE AIKEN
NATALIE@AIKEN.DESIGN
(912).661.1229

ARCHITECT CONSULTANT: A+D COLLABORATIVE
320 E 52ND STREET
SAVANNAH, GA 31405
HEATHER SPRIGNER
(912) 231.5240

MEP ENGINEER: METHOD ENGINEERING
2 EAST BRYAN STREET #428
SAVANNAH, GA 31401
ANDREW MCKEEVER
(912) 963.1611
AMCKEEVER@METHODEG.COM

JURISDICTION OF CODE ENFORCEMENT: CITY OF SAVANNAH

PIN #: 20074-24004

ZONING: TC-2, TRADITIONAL COMMERCIAL-2

PRESERVATION DISTRICT: HISTORIC STREET CAR

PREVIOUS USE: RETAIL

PROPOSED USE: RETAIL

OCCUPANCY CLASSIFICATION: MERCANTILE

EXISTING BUILDING GROSS SQUARE FOOTAGE: 1,280 SF

PROPOSED BUILDING SQUARE FOOTAGE: UNCHANGED

CONSTRUCTION TYPE: IIIB

SPRINKLED: NO

PERMITTED FLOOR: N/A

PERMITTED # OF FLOOR: EXISTING

PERMITTED HEIGHT: EXISTING

WIND EXPOSURE CLASS: B

WIND SPEED: 110

SEISMIC CLASSIFICATION: 4

FLOOD ZONE: X

THE PROPERTY LOCATED AT 2701 BULL STREET IS LOCATED IN THE HISTORIC STREET CAR DISTRICT & IS CONSIDERED A NON CONTRIBUTING STRUCTURE. IT WAS PREVIOUSLY USED AS A SERVICE STATION. (MERCANTILE)

THE SCOPE OF WORK FOR EXTERIOR IMPROVEMENTS TO THE BUILDING LOCATED AT 2701 BULL STREET INCLUDES:

- NEW STOREFRONT WINDOWS & DOORS WITHIN EXISTING OPENINGS ON NORTH & EAST FACADES AS INDICATED ON PLANS & ELEVATIONS. RESTORE EXISTING WINDOWS ON WEST AND SOUTH FACADES. THERE WILL BE NO MODIFICATIONS TO ANY EXTERIOR MASONRY OPENING SIZES WITHIN THE EXTERIOR SCOPE OF WORK. SEE PLANS & ELEVATIONS FOR EXISTING OPENING SIZES.
- NEW, PRESSURE TREATED WOOD SCREENING FOR ROOF TOP EQUIPMENT; PAINT, PT-1. SEE ROOF PLAN, ELEVATIONS & DETAILS.

THE SCOPE OF WORK FOR THE INTERIOR IMPROVEMENTS OF 2701 BULL STREET INCLUDES THE FOLLOWING:

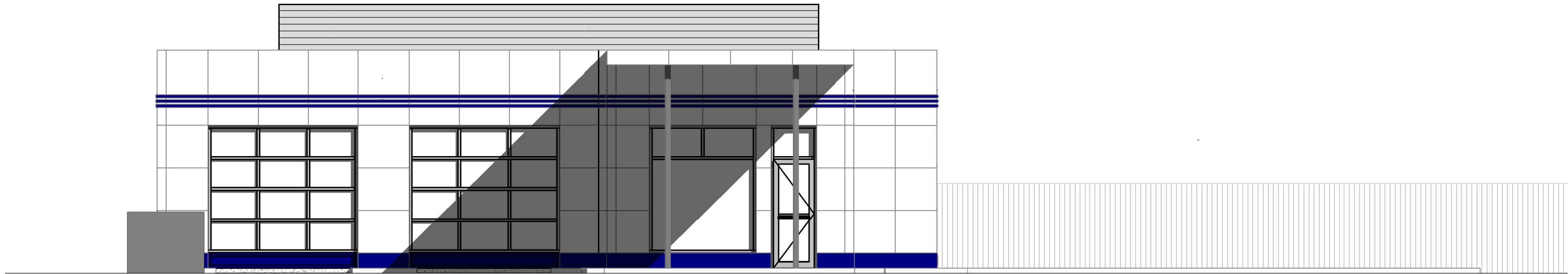
- A INTERIOR TENANT BUILDOUT FOR A SMALL RESTAURANT

ARCHITECTURAL

SHEET NO.	SHEET NAME	ISSUE DATE	REVISION 1
T0.1	COVER	10.01.2021	11.02.2021
A0.0	GENERAL NOTES & ABBREVIATIONS	10.01.2021	-
A0.1	LIFE SAFETY PLAN	10.01.2021	11.02.2021
A0.2	ACCESSIBILITY & CODE DIAGRAMS	10.01.2021	-
D1.0	DEMOLITION PLAN	10.01.2021	-
A1.1	FLOOR PLAN	10.01.2021	11.02.2021
A1.2	ROOF PLAN	10.01.2021	-
A1.3	EXTERIOR OPENING SIZES	10.01.2021	-
A2.1	REFLECTED CEILING PLAN	10.01.2021	-
A3.1	EXISTING EXTERIOR ELEVATIONS	10.01.2021	-
A3.2	EXISTING EXTERIOR ELEVATIONS	10.01.2021	-
A3.3	EXTERIOR ELEVATIONS	10.01.2021	-
A3.4	EXTERIOR ELEVATIONS	10.01.2021	-
A7.1	FINISH PLAN	10.01.2021	11.02.2021
A7.2	INTERIOR ELEVATIONS & SECTIONS	10.01.2021	11.02.2021
A8.0	DOOR & WINDOW SCHEDULES & DETAILS	10.01.2021	-

ELECTRICAL, MECHANICAL, PLUMBING

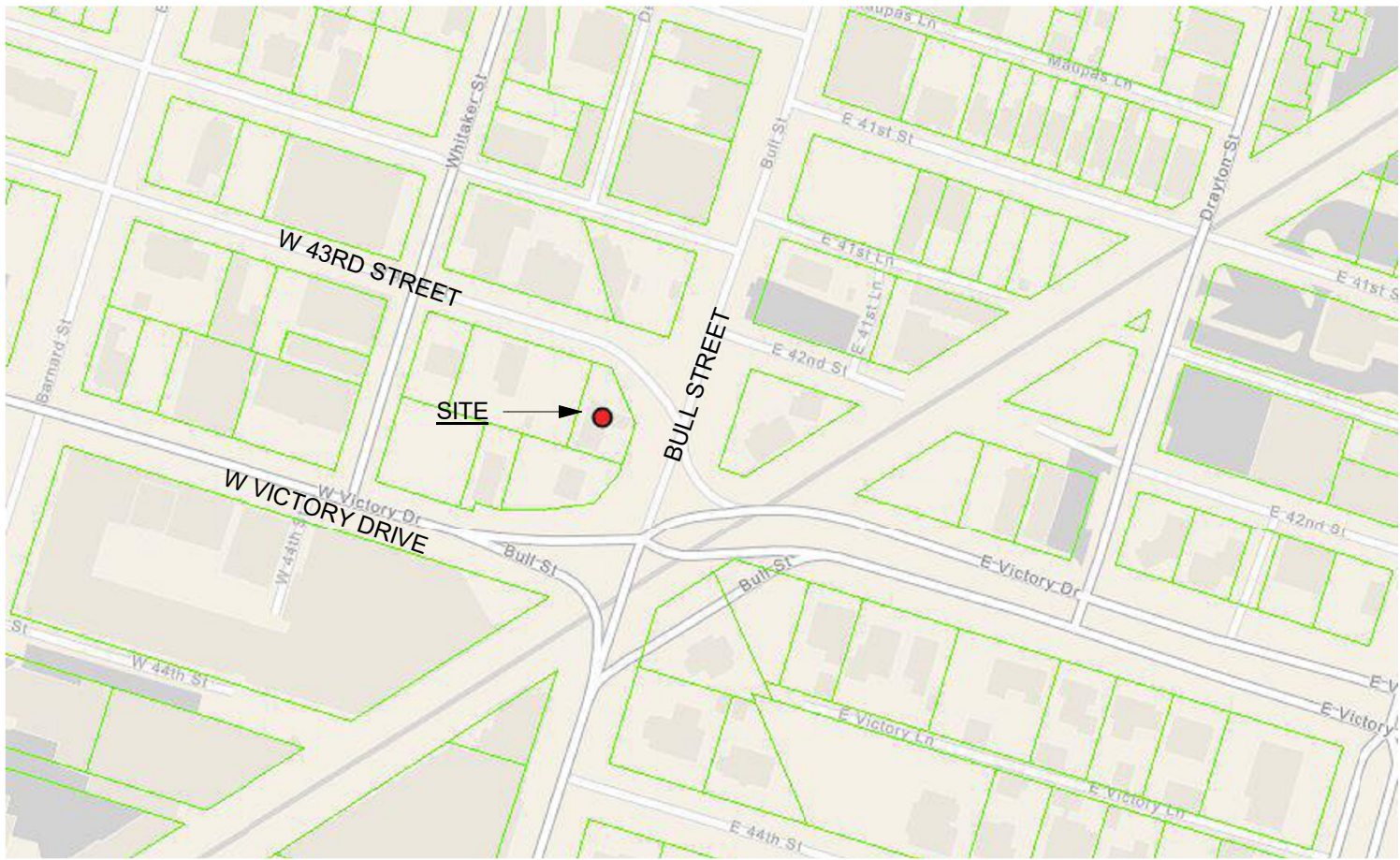
SHEET NO.	SHEET NAME	SHEET ISSUE DATE	REVISION 1
-	-	-	-
E0.1	LEGEND & FIXTURE SCHEDULE	05.16.2021	-
E0.2	ELECTRICAL SPECIFICATIONS	05.16.2021	-
E1.1	LIGHTING PLAN	05.16.2021	-
E2.1	POWER PLAN	05.16.2021	-
E2.3	ROOF POWER PLAN	05.16.2021	-
E3.1	RISER DIAGRAM & DETAILS	05.16.2021	-
E3.2	ELECTRICAL DETAILS	05.16.2021	-
E4.1	ELECTRICAL SCHEDULES	05.16.2021	-
M0.1	MECHANICAL LEGEND & DETAILS	05.16.2021	-
M0.2	MECHANICAL SPECIFICATIONS	05.16.2021	-
M1.1	MECHANICAL PLAN	05.16.2021	-
M1.3	MECHANICAL ROOF PLAN	05.16.2021	-
M2.1	MECHANICAL DETAILS	05.16.2021	-
M2.2	MECHANICAL DETAILS	05.16.2021	-
P0.1	PLUMBING LEGEND & DETAILS	05.16.2021	-
P0.2	PLUMBING SPECIFICATIONS	05.16.2021	-
P1.1	DRAINAGE & VENT PLAN	05.16.2021	-
P2.1	HOT & COLD WATER PLAN	05.16.2021	-
P3.1	PLUMBING ROOF PLAN	05.16.2021	-
P4.1	PLUMBING RISERS	05.16.2021	-
P4.2	PLUMBING DETAILS	05.16.2021	-



GENERAL NOTES

- GENERAL NOTES
- A. THESE DRAWINGS HAVE BEEN PRODUCED UNDER LIMITED SERVICES. BY APPLYING FOR A BUILDING PERMIT AND/OR CONSTRUCTION THE PROJECT REPRESENTED HEREIN, THE OWNER AGREES TO LIMIT THE LIABILITY OF THE DESIGNER TO THE OWNER PROJECT OF ALL AND ANY CLAIMS, LOSSES, DAMAGES OR ANY NATURE WHATSOEVER. OR CLAIMS OF EXPENSES FOR ANY SUCH TIMES TO THE ARCHITECTS TOTAL COMPENSTION FOR THE SERVICES RENDERED HEREIN.
- B. SELECTIONS, EQUIPMENTS & FINISHES NOT INCLUDED IN THESE DOCUMENTS SHALL BE COORDINATED BY THE OWNER/ OWNER'S RESPRESENTATIVE.
- C. THESE DOCUMENTS ARE THE WORK INSTURCTIONS OF THE ARCHITECT AND HAVE BEEN PREPARED SPECIFICALLY AND SOLELY FOR THE PROJECT NAMED HEREIN. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS IN OTHER LOCATIONS WITHOUT THE PARTICIPATION OF THE ARCHITECT. REPRODUCTIONS IS STICTLY PROHIBITED. THE ARCHITECT SHALL BE DEEMED THE ARTHOR OF THESE DOCUMENTS AND SHALL RETAIN COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT.
- D. FOR DIMENSIONS NOT SHOWN OR IN QUESTION, THE CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- E. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- F. INFORMATION CONTAINED ON THESE DRAWINGS IS PROVIDED FOR THE CONVENIENCE FOR THE GENERAL CONTRACTOR IN EXECUTING THE WORK. EVERY ATTEMPT HAS BEEN MADE TO COMPLETE ACCURATE REPRESENTATIONS OF SUCH CONDITIONS. HOWEVER, THESE DOCUMENTS ARE OFFERED AS A GUIDE TO GENERAL DESIGN INTENT AND ALL CONDITIONS ARE NOT REPRESENTED. IT IS THE RESPONSIBILITY OF THE GC TO INTERPRET THE DESIGN INTENT OF THE DOCUMENTS TO APPLY THE CONDITIONS NOT REPRESENTED. IF QUESTIONS REGARDING THE DESIGN INTENT STILL EXIST, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE WORK/ SCOPE/ CONTRACT IS FIXED.
- G. WHEN THE ARCHITECT'S DRAWINGS ARE IN CONFLICT WITH OTHER CONSULTANTS DRAWINGS, THE GENERAL CONTRACTOR SHALL REQUEST CLARIFICATION FORM THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

VICINITY MAP



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PROJECT

prepared for:
GMG LEASING

2701 Bull Street
Savannah, Ga 31401

**Issued For: 100%
CONSTRUCTION
DOCUMENTS**

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Date: 11.02.2021



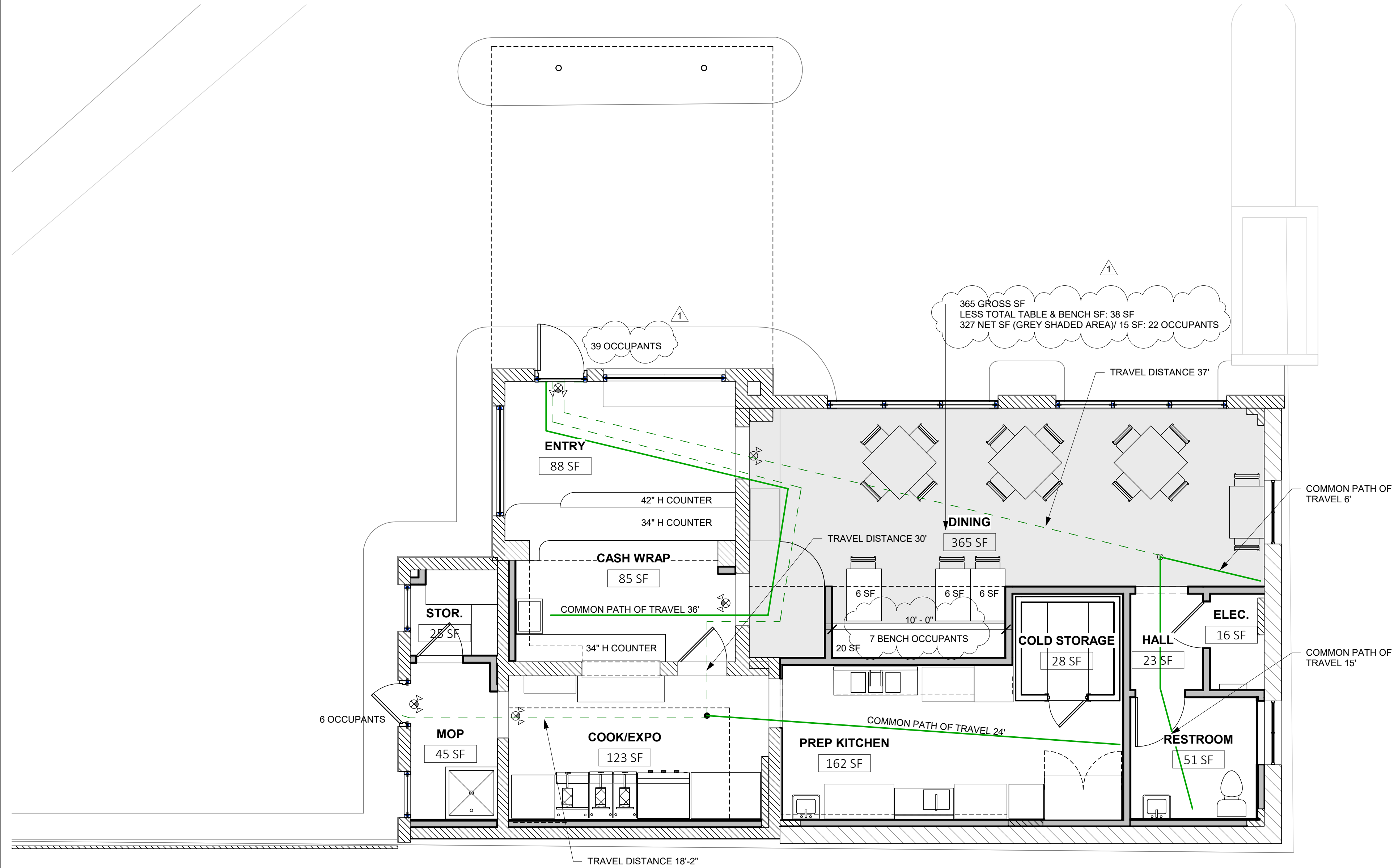
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Drawing Title:
COVER

SHEET #

T0.1



LIFE SAFETY					
Number	Name	Area	O.L.F.	Occupant s	Occupant Type
100	ENTRY	88	30	3	SALES
101	DINING	327	15	22	SALES
101	DINING	10 LF	18" PER LF	7	BUILT IN BENCH IN DINING
102	MOP	45	100	1	KITCHEN
103	HALL	23	100	1	BUILDING COMMON AREA
104	ELEC.	16	300	1	STORAGE
105	RESTROOM	51	300	1	BUILDING COMMON AREA
106	STOR.	25	300	1	STORAGE
107	PREP KITCHEN	162	100	2	KITCHEN
108	CASH WRAP	85	30	3	SALES
109	COOK/EXPO	123	100	2	KITCHEN
110	COLD STORAGE	28	300	1	STORAGE
Grand total				45	OCCUPANTS

EXITING LEGEND

- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE

NOTE: GC SHALL CONFIRM ALL OPENING SIZES PRIOR TO CONSTRUCTION & NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

I. GENERAL

- A. PROPERTY ADDRESS: 2701 BULL STREET SAVANNAH, GA 31412
- B. PROPERTY PIN: 20074-24004
- C. TOTAL GROSS AREA: 1,280 SF
- D. TOTAL NET AREA: 1,011 SF
- E. BUILDING HEIGHT IN STORIES: 1 STORY (EXISTING)

II. CODE REQUIREMENTS

A. APPLICABLE CODES (WITH GA AMMENDMENTS)

2018 INTERNATIONAL BUILDING CODE
2012 LIFE SAFETY CODE (LSC) - NFPA 101
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 NATIONAL ELECTRICAL CODE
2015 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL FIRE CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

B. OCCUPANCY CLASSIFICATION: (LSC 37.1.1)

PREVIOUS USE: MERCANTILE, CLASS C (LSC 37.1.2.2.1 (3))
PROPOSED USE: MERCANTILE, CLASS C (LSC 37.1.2.2.1 (3))

LSC ANNEX A.3.3.188.2: LESS THAN 50 OCCUPANTS CLASSIFIED AS MERCANTILE.

EXISTING MERCANTILE

C. REQUIRED SEPARATION OF OCCUPANCIES: N/A
(IBC TABLE 508.4)

D. CONSTRUCTION TYPE: IIIB
EXISTING: IIIB (IBC SECTION 602.3)

E. ALLOWABLE # OF STORIES ABOVE GRADE PLANE (IBC TABLE 504.4) : 2 STORIES
EXISTING # OF STORIES: 1 STORY EXISTING (COMPLIES)

F. ALLOWABLE AREA FACTOR (IBC TABLE 506.2)
ACTUAL TOTAL GROSS AREA: 1,280 SF (COMPLIES)
ALLOWABLE TOTAL AREA: 12,500 SF

F. CONSTRUCTION PROTECTION

1. FIRE PROTECTION OF BUILDING ELEMENTS (IBC TABLE 601)

STRUCTURAL FRAME:	0 HOURS REQUIRED: 0 HOURS PROVIDED
BEARING WALLS - EXTERIOR	2 HOURS REQUIRED: 2 HOURS PROVIDED
BEARING WALLS - INTERIOR	0 HOURS REQUIRED: 0 HOURS PROVIDED
NON BEARING WALLS	0 HOURS REQUIRED: 0 HOURS PROVIDED
FLOOR/ CEILING CONSTRUCTION	0 HOURS REQUIRED: 0 HOURS PROVIDED
ROOF/ CEILING CONSTRUCTION	0 HOURS REQUIRED: 0 HOURS PROVIDED

G. OCCUPANCY LOAD (LSC TABLE 7.3.1.2)

SEE LIFE SAFETY SCHEDULE: 45 TOTAL OCCUPANTS

H. MEANS OF EGRESS

1. EGRESS CAPACITY FOR LEVEL COMPONENTS & RAMPS (LSC TABLE 7.3.3.1)

45 PEOPLE X .2"/PERSON = 9" REQ'D/ 28" MIN PROVIDED, EXISTING

2. EGRESS CAPACITY FOR STAIRS (LSC 7.2.2.1)
44" REQ'D: N/A

3. DOORS (LSC 7.2.1.2.3 (4))
28" REQUIRED, EXISTING BLDG; PROVIDED 28" MINIMUM AT EACH EXIT

4. CORRIDORS (LSC 7.3.4.1)
36" REQUIRED: COMPLIES

5. NUMBER OF EXITS PER FLOOR (LSC 37.2.4.4)
1 REQUIRED; 2 PROVIDED

6. TRAVEL DISTANCE TO EXITS (LSC 37.2.6.2)
150' MAX ALLOWED UNSPRINKLERED : COMPLIES

7. COMMON PATH OF TRAVEL (LSC 37.2.5.3.2)
75' MAX ALLOWED: COMPLIES

8. DEAD END CORRIDOR (LSC 37.2.5.1.3)
50' MAX ALLOWED: 5'-6" MAX PROVIDED

I. MARKING MEANS OF EGRESS (LSC 37.2.10)

MEANS OF EGRESS SHALL HAVE SIGNS IN ACCORDANCE WITH (LSC 7.10) WHERE AN EXIT IS NOT IMMEDIATELY APPARENT FROM ALL PORTIONS OF THE SALES AREA, MEANS OF EGRESS SIGNS SHALL BE IN ACCORDANCE WITH SECTION 7.10

J. INTERIOR FINISHES (LSC 37.3.3)

1. WALL AND CEILING FINISH:
MATERIALS SHALL BE CLASS A, CLASS B, OR CLASS C

2. FLOOR FINISH:
NO REQUIREMENTS

K. DETECTION, ALARM AND COMMUNICATION (LSC 37.3.4)

FIRE ALARM IS REQUIRED IN MERCANTILE CLASS A, NOT REQUIRED IN CLASS C

L. EMERGENCY LIGHTING (LSC 37.2.9)

EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH (LSC 7.9)

M. EXTINGUISHMENT REQUIREMENTS (LSC 37.3.5)

NO REQUIREMENT

N. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (IBC SECTION 2902.1)

GROUP M

- WATER CLOSETS = 1 PER 500 PEOPLE REQUIRED, 1 PROVIDED
- LAVATORIES = 1 PER 750 PEOPLE REQUIRED, 1 PROVIDED
- DRINKING FOUNTAINS = 1 PER 1000 PEOPLE REQUIRED, N/A
- SERVICE SINK - 1 REQUIRED, 1 PROVIDED

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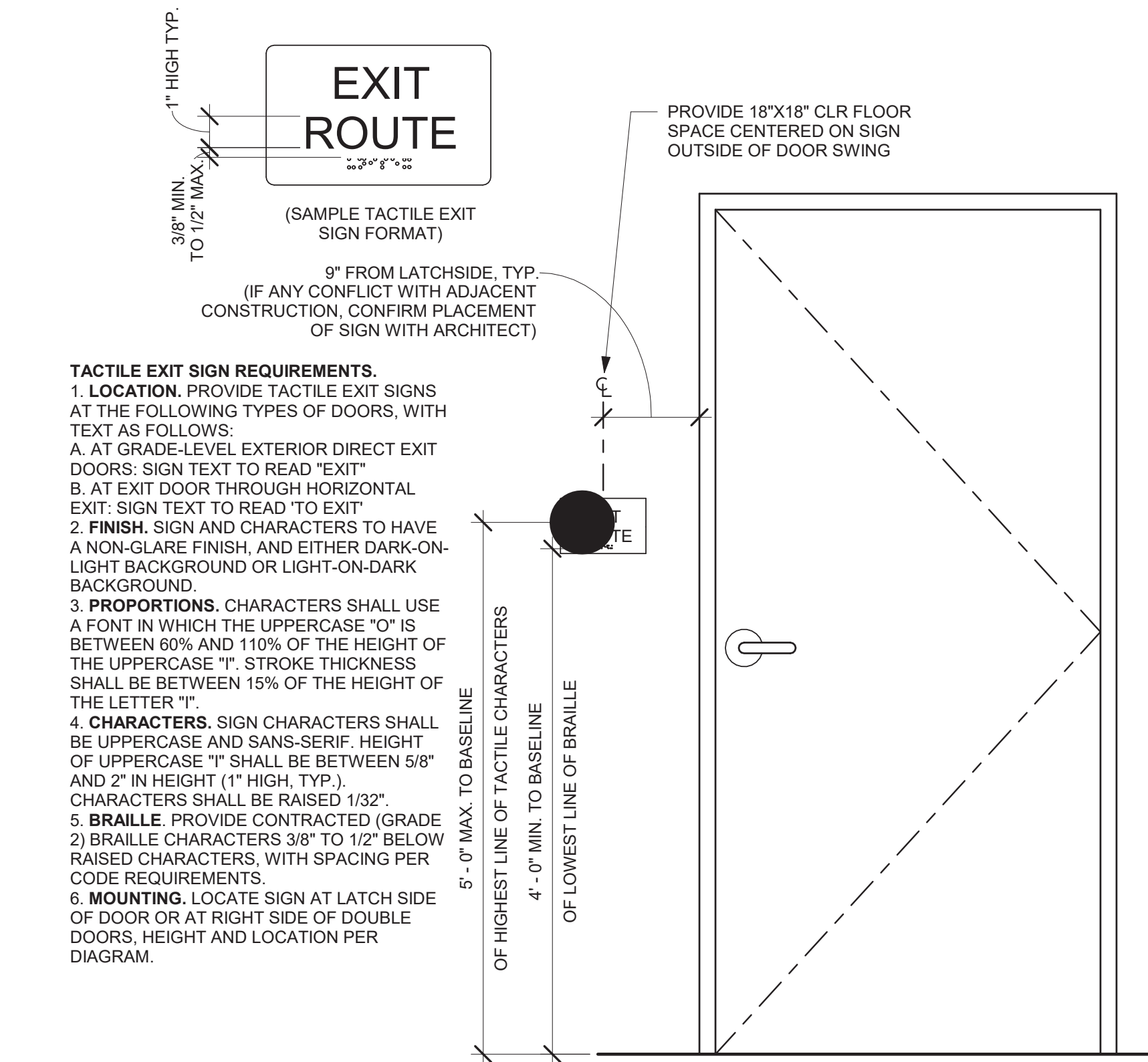
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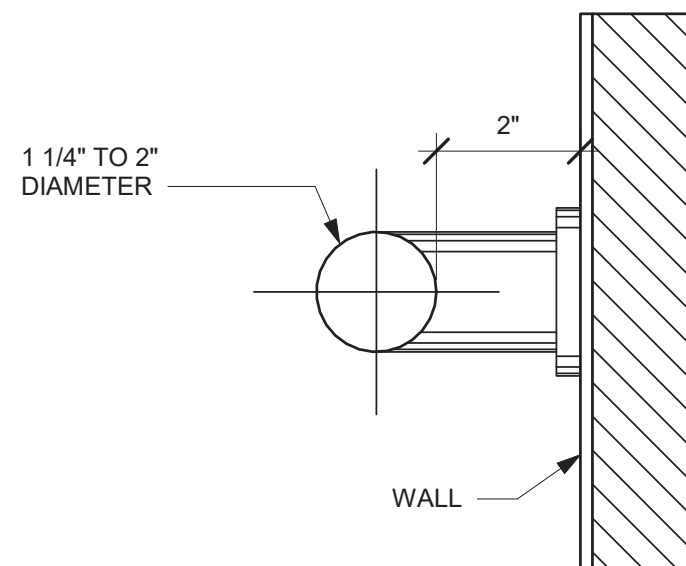
Drawing Title:
LIFE SAFETY PLAN

SHEET #

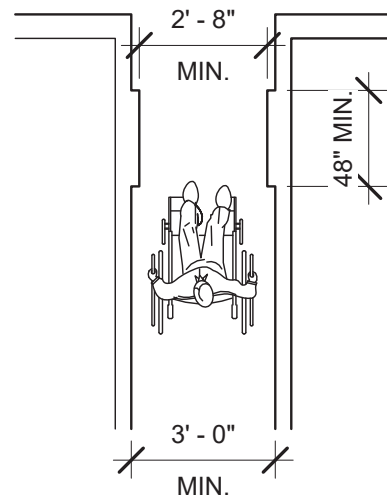
A0.1



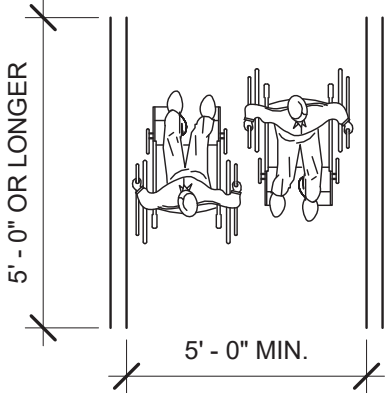
⑥ TACTILE EXIT SIGNAGE
1" = 1'-0"



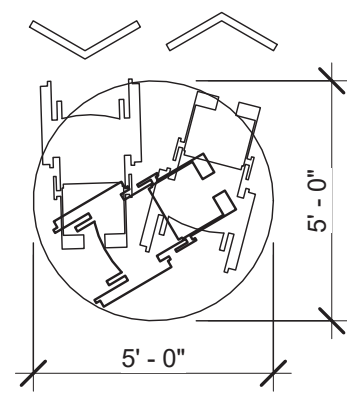
④ GRAB BARS
6" = 1'-0"



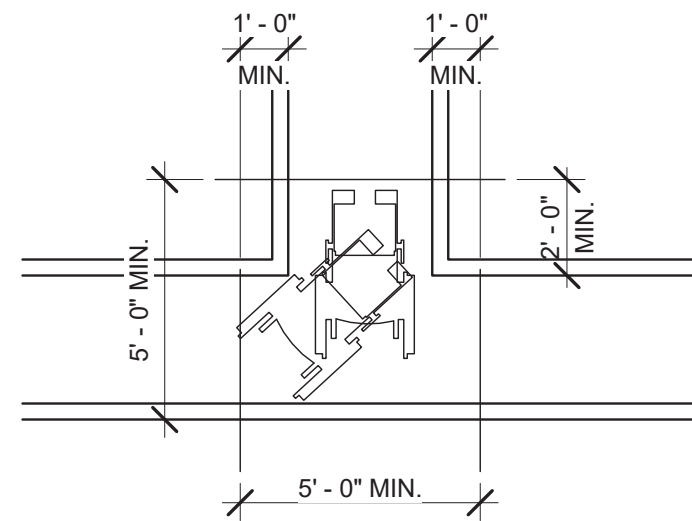
MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR



MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS



5' - 0" DIAMETER SPACE

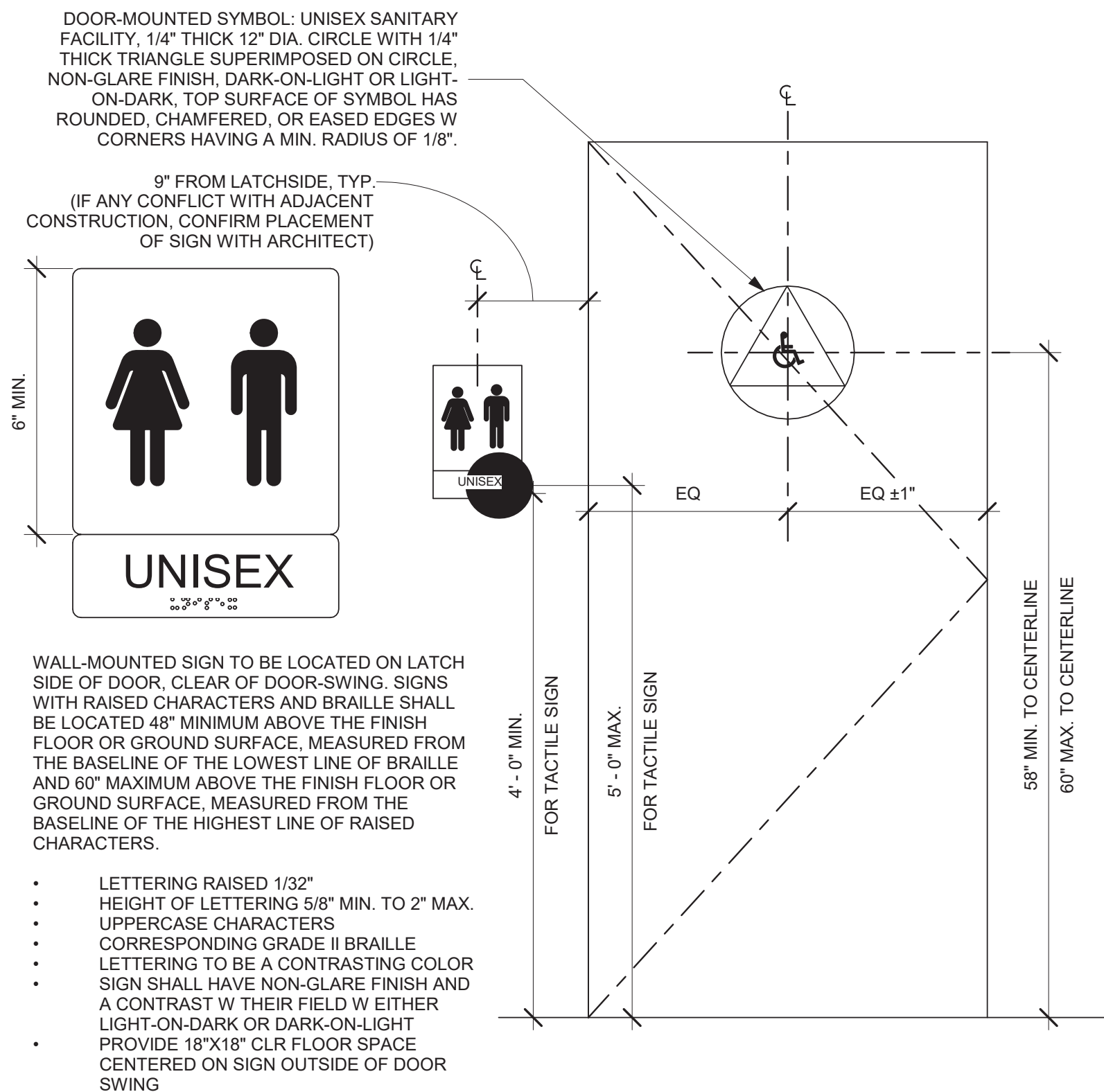


T-SHAPED SPACE FOR 180 TURNS

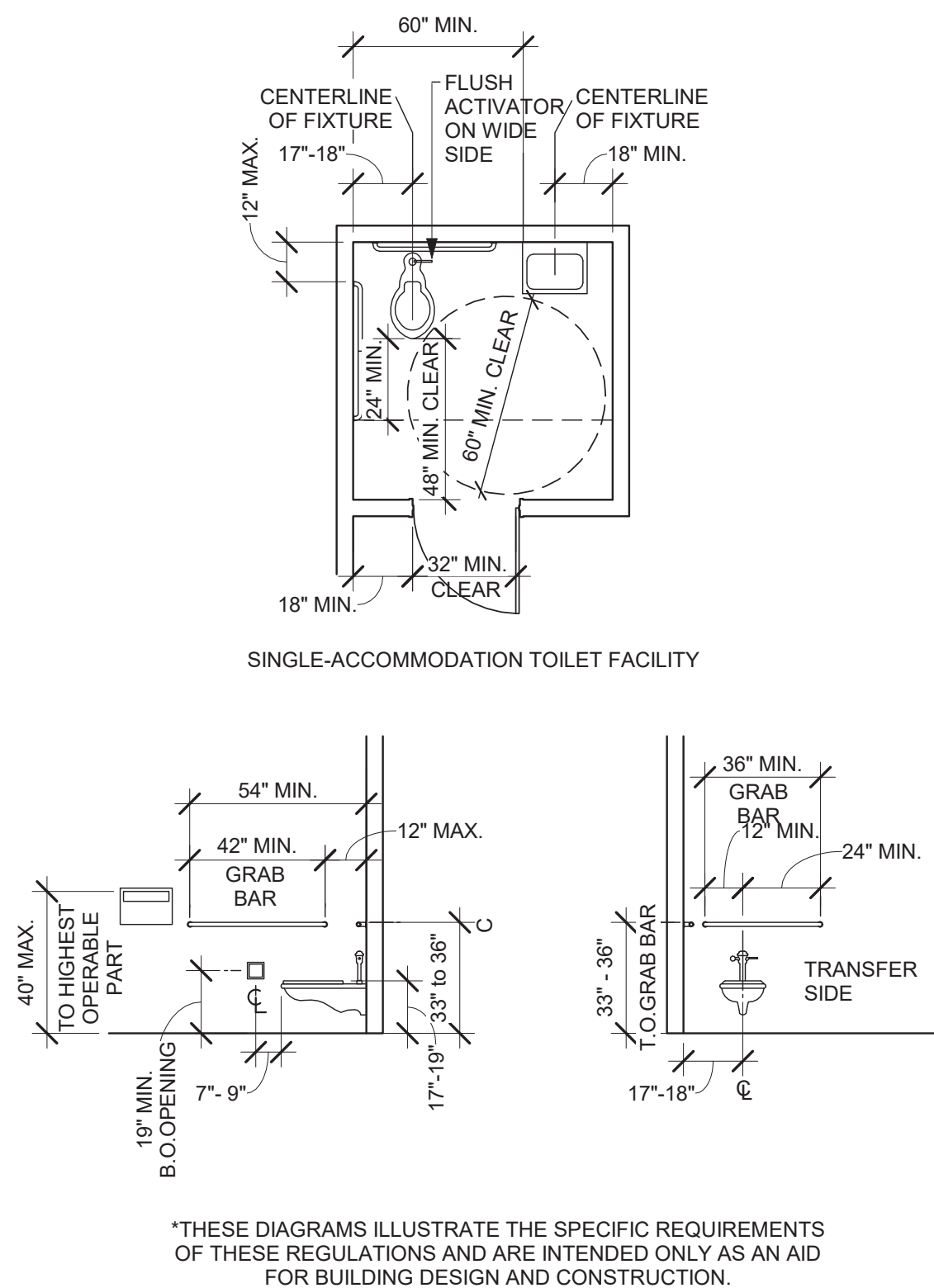
WHEELCHAIR TURNING SPACE

* THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

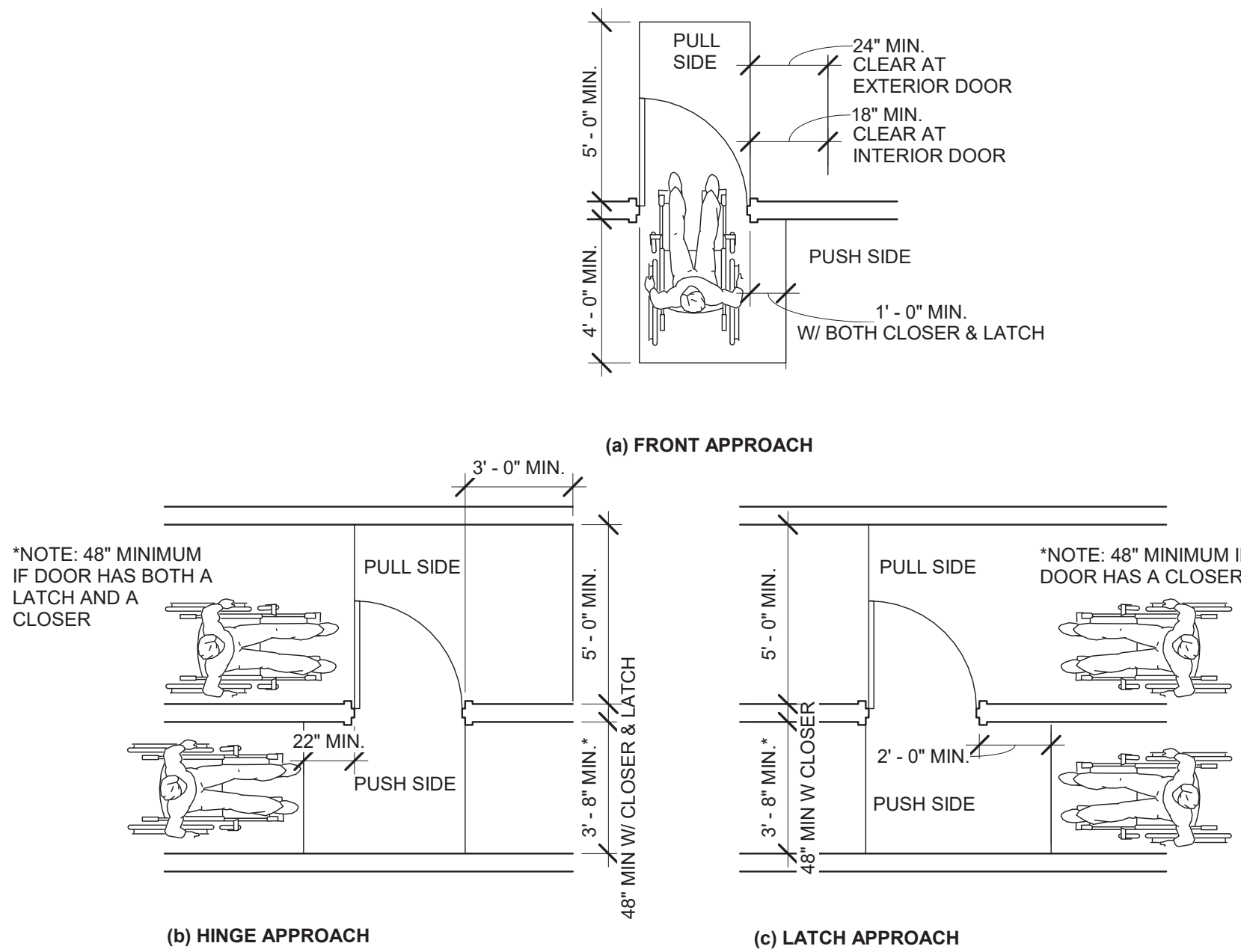
② WHEELCHAIR TURNING SPACE
1/4" = 1'-0"



⑤ ACCESSIBLE UNISEX RESTROOM SIGNAGE
1" = 1'-0"



③ WATER CLOSET AND TOILET COMPARTMENT
1/4" = 1'-0"



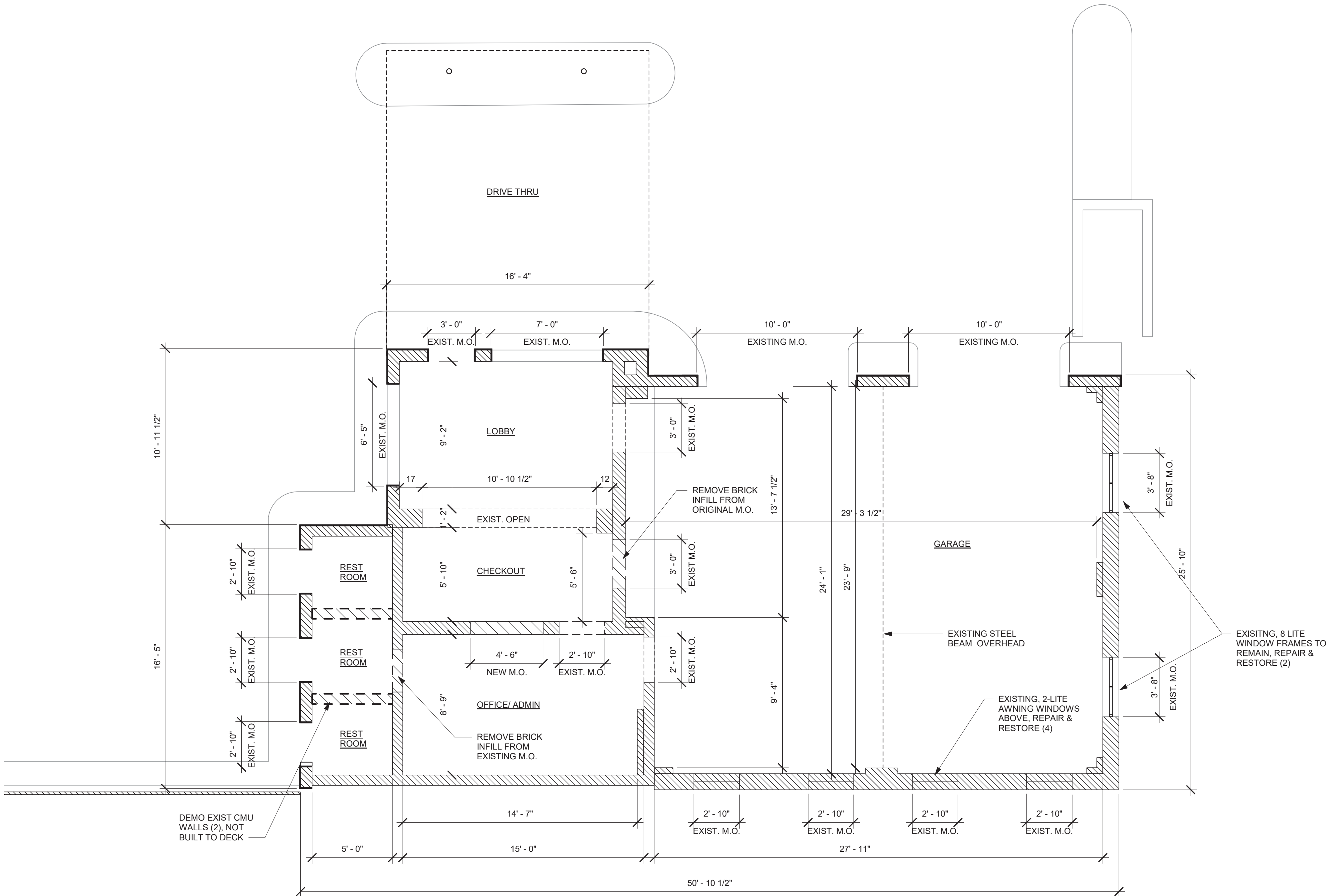
MANEUVERING CLEARANCES AT DOORS

*THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

① MANEUVERING CLEARANCES AT DOORS
1/4" = 1'-0"

WALL LEGEND

- EXISTING WALL
- NEW WALL
- DEMOLISHED



1 DEMOLITION PLAN
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
2. DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
4. REMOVE EXISTING CONSTRUCTION AS INDICATED. TYPICAL WALL REMOVAL INCLUDES FINISHES AND MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS CONTAINED THEREIN. REMOVE DOORS, CASEWORK, WINDOWS, FRAMES, AND OTHER FIXTURES AS REQUIRED. AFTER REMOVAL OF PIPE CHASES, PATCH HOLES IN EXISTING FLOORS OR WALLS TO REMAIN TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS. PATCH ADJOINING WALLS, FLOOR, AND DECK, AND PREPARE SURFACES TO RECEIVE NEW FINISH PER FINISH SCHEDULE OR PER INTERIORS' FINISHES PLANS. (WHERE NEW FINISHES ARE CALLED FOR ON EXISTING SURFACES, REMOVE THE EXISTING FINISH AND PREPARE SURFACE TO RECEIVE THE NEW FINISH.)
5. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DEMOLITION OF UTILITIES.
6. THE CONTRACTOR SHALL BRACE ALL EXISTING STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
7. THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
8. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING TO REMAIN FINISHES WHICH ARE DAMAGED DURING DEMOLITION (I.E. - BRICK MASONRY WALLS & CONCRETE FLOORS.)
9. REMOVE ANY UNUSED SWITCHES, ALARMS, THERMOSTATS & OTHER DEVICES.
10. REMOVE ALL JAMB AND SILL ANCHORS AT LOCATIONS WHERE NEW STOREFRONT IS SCHEDULED. SEE DETEAILS.

2 DEMOLITION NOTES
1/8" = 1'-0"

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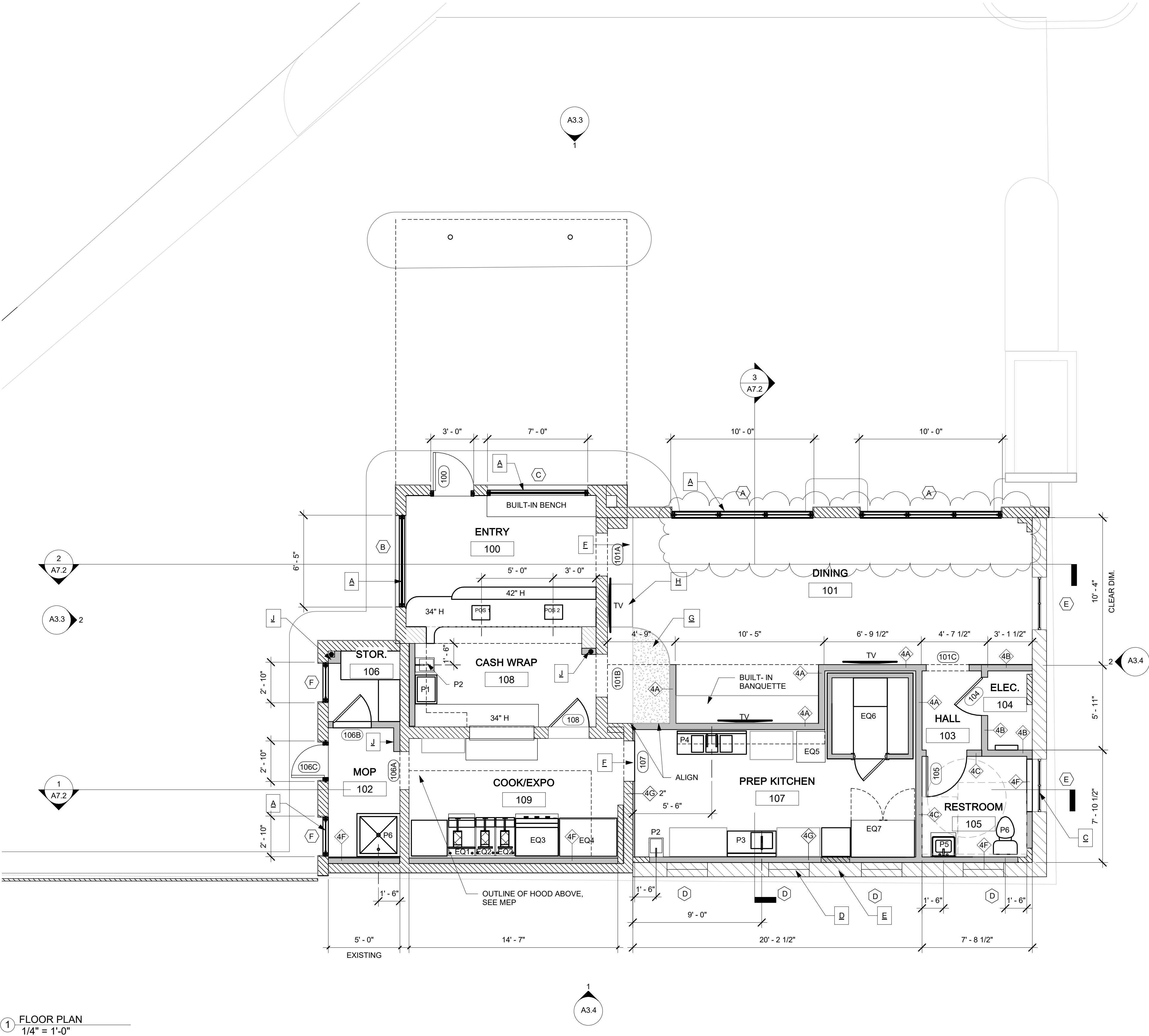
Drawing Title:
DEMOLITION PLAN

SHEET #

D1.0

WALL LEGEND

- EXISTING WALL
- NEW WALL
- DEMOLISHED



FLOOR PLAN
1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE

ABBV.	EQUIPMENT NAME/ MODEL	NOTES
EQ. 1	PITCO: MODEL 65 C+ GAS FRYER (65-80 LBS) 150Kbtu/ hr, NATURAL	65-80 LBS CAPACITY/ DIMS: 34.5"Dx20.5"x48"H
EQ. 2	PITCO: MODEL 40D TUBE GAS FRYER	40-45 LBS CAPACITY/ DIMS: 30.5"Dx15"Wx48"H
EQ. 3	VULCAN MSA SERIES HEAVY DUTY GAS GRIDDLE, 3 BURNERS	DIMS: 32"Dx36"Wx15"H *WILL NEED LOW TABLE (21" H) BELOW GRIDDLE
EQ. 4	ADVANTCO REFRIGERATION: A SERIES SANDWICH STATION. MODEL: 178APT48HC	DIMS: 31"Dx47"Wx42"H
EQ. 5	HOSHIZAKI: SELF CONTAINED ICE MACHINE: MODEL F-330BAJ/ AIR COOLED/ FLAKER	DIMS: 25"Dx24"Wx39"H
EQ. 6	KOLD LOCKER WALK-IN COOLER - 77 SERIES INDOOR USE WITH FLOOR/	COORDINATE WITH CAPSULE PACK REFRIGERATION. DIMS:6'Wx6'Dx7'7"H
EQ. 7	ADVANTCO: MODEL: 178A49FHC	DIMS: 54"Wx32"Dx82"H

NOTES:
KITCHEN EQUIPMENT SHOWN FOR LOCATION/ COORDINATION PURPOSES ONLY. ALL EQUIPMENT TO BE PROVIDED BY OWNER, UNLESS NOTED OTHERWISE

PLUMBING FIXTURE SCHEDULE

ABBV.	EQUIPMENT NAME/ MODEL	NOTES
P1	REGENCY: FREE STANDING ICE BIN MODEL: 600IB1824	DIMS: 24"Wx18"Dx33"H
P2	REGENCY: STAINLESS STEEL WALL MOUNTED HAND SINK. MODEL: 600ZHS12SP	DIMS: 16"Dx12"Wx10" W/ GOOSENECK FAUCET & SIDESPLASHES
P3	STEELTON: ONE COMPARTMENT SINK W/ DRAINBOARD. MODEL: 522CS11818	DIMS: 39"Wx20"Dx43"H
P4	REGENCY: TRIPLE BOWL DISH SINK. MODEL: 600S3101412G	DIMS: 58"Wx20"Dx43"H
P5	AMERICAN STANDARD: DECORUM 21"x20 1/4" WALL HUNG LAVATORY WITH EVERCLEAN	MODEL: 9134001EC + SHROUD/KNEE CONTACT GUARD, MODEL: 0059.020 EC
P6	PRESSURE ASSIST TOILET	SEE MEP FOR SPEC

SCHEDULES

1" = 40'-0"

GENERAL FLOOR PLAN NOTES

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND PROMPTLY NOTIFY THE ARCHITECT SHOULD CONDITIONS ENCOUNTERED VARY FROM THE DRAWINGS
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE REGARDING PUBLIC SAFETY IN THE PERFORMANCE OF THE WORK, AND SHALL NOT IMPEDE THE PUBLIC USE OF THE OVERALL BUILDING, EXTERIOR SIDEWALK OR PARKING LOT PROVIDE TEMPORARY BARRICADES AND ANY OTHER FORMS OF PROTECTION AS REQUIRED.
- DURING CONSTRUCTION, CLEAN AND PROTECT THE WORK IN PROGRESS. PROMPTLY REMOVE ANY DEBRIS FROM THE SITE, TRANSPORT AND LEGALLY DISPOSE OF MATERIALS OFF SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THEIR WORK WITH THE WORK OF THE OTHER CONTRACTORS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY WEATHER PROTECTION TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO THE STRUCTURE OR INTERIOR AREAS OF THE BUILDING.
- APPLY AND CONSTRUCT ALL SYSTEMS AND MATERIALS ACCORDING TO EACH MANUFACTURER'S WRITTEN SPECIFICATIONS, INSTRUCTIONS, AND RECOMMENDATIONS.
- ALL SURFACES TO BE CLEAN AND FREE OF RESIDUE IN PREPARATION FOR NEW PRIMER AND PAINT. FOLLOW PAINT MANUFACTURERE RECOMMENDATION FOR SURFACE PREPARATION FOR EACH MATERIAL TYPE.

GENERAL PLAN NOTES

1/2" = 1'-0"

PLAN NOTES & ELEVATION NOTES (EXTERIOR)

THE PROPERTY LOCATED AT 2701 BULL STREET IS LOCATED IN THE HISTORIC STREET CAR DISTRICT & IS CONSIDERED A NON CONTRIBUTING STRUCTURE.

A. INSTALL NEW STOREFRONT WINDOWS & DOORS IN EXISTING OPENINGS ON NORTH & EAST FACADES. SEE PLANS AND ELEVATIONS FOR OPENING SIZES. GC TO ENSURE ALL EXTERIOR OPENINGS REMAIN UNALTERED. ALL NEW GLAZING IS TO BE INSET A MIN. OF 4" FROM THE EXTERIOR FACE OF THE BUILDING. ALL GLAZING SHALL BE TRANSPARENT WITH NO DARK TINT OR REFLECTIVE EFFECTS.

B. INSTALL NEW PT. WOOD SCREENING FOR ROOFTOP EQUIPMENT. SEE ROOF PLAN & DETAIL.

C. REMOVE APPLIED BURGLAR BARS & RESTORE ORIGINAL STEEL WINDOWS (2) THAT REMAIN ON SOUTH FACADE. ORIGINAL LITE CONFIGURATION TO REMAIN.

D. RESTORE ORIGINAL STEEL, AWNING WINDOWS (4) THAT REMAIN ON WEST FACADE. ORIGINAL LITE CONFIGURATION TO REMAIN.

E. CLEAN MASONRY WITH GRAFFITI CLEANER AS DETERMINED USING THE INFORMATION PROVIDED IN PRESERVATION BRIEF 38 - REMOVING GRAFFITI FROM HISTORIC MASONRY. CHOSEN METHOD & MATERIAL PRODUCT SPECIFICATIONS TO BE SUBMITTED TO HPC FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

PLAN NOTES & ELEVATION NOTES (INTERIOR)

F. EXISTING CHANGE IN SLAB LEVEL TO REMAIN, 4" STEP DN THIS LOCATION

G. INFILL SLAB AS INDICATED TO BE LEVEL WITH TOP OF EXISTING SLAB.

H. CUSTOM CASEWORK FOR TRASH BINS, COORD. DETAILS WITH ARCH/ID.

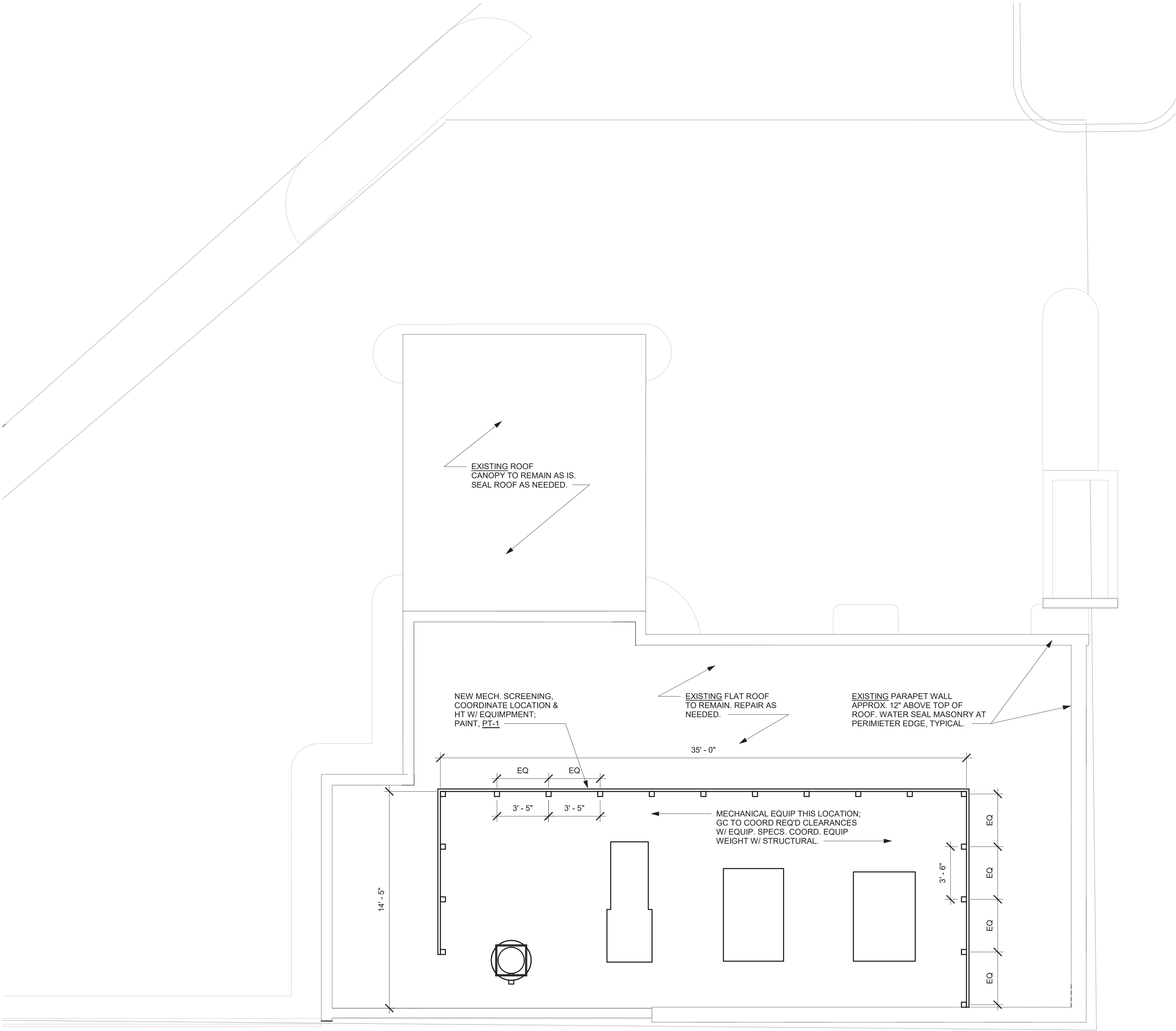
I. NOT USED

J. FURR OUT WALLS & COORD W/ MEP AT LOCATIONS WHERE INDICATED.

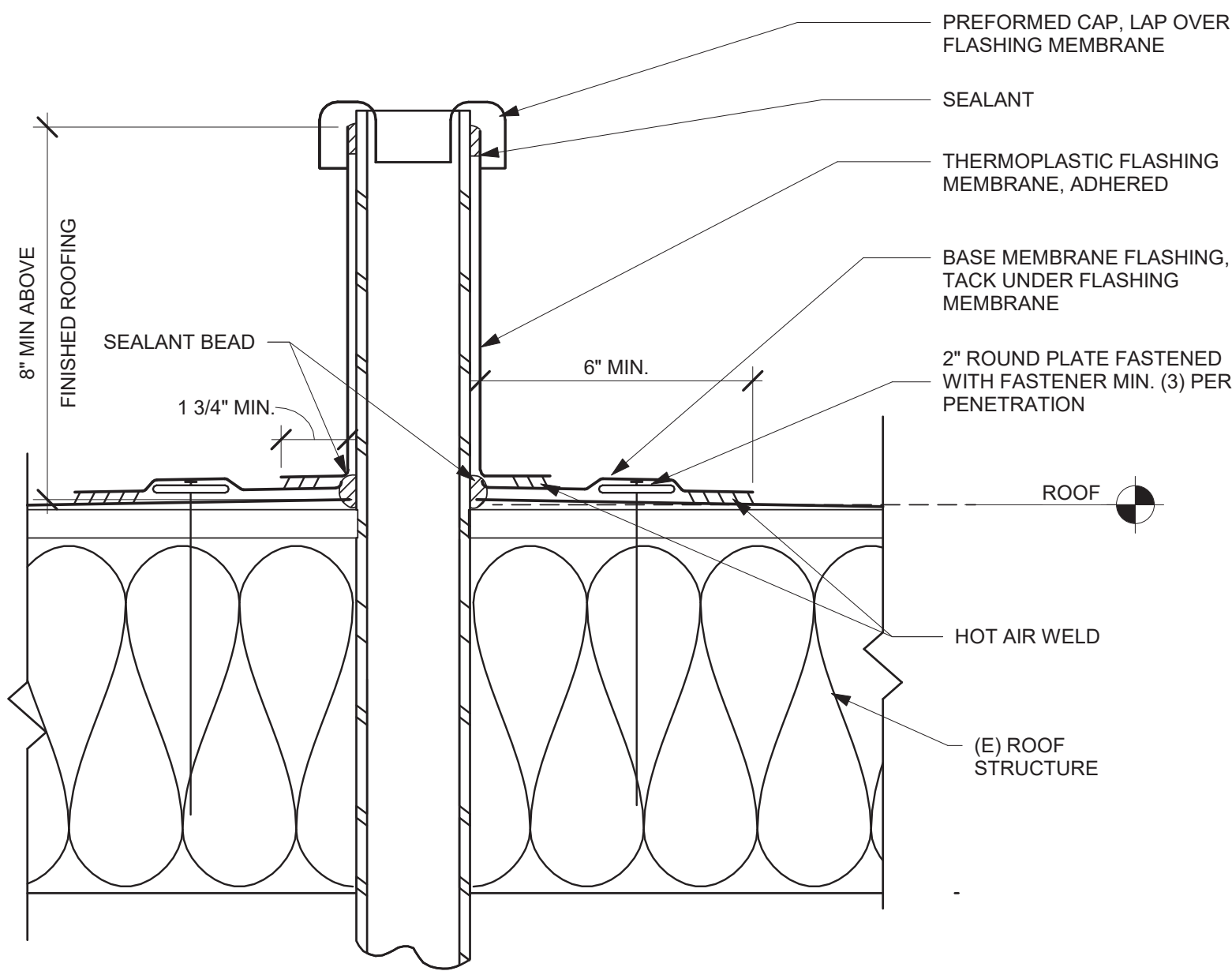
PLAN & ELEVATION NOTES

1/2" = 1'-0"



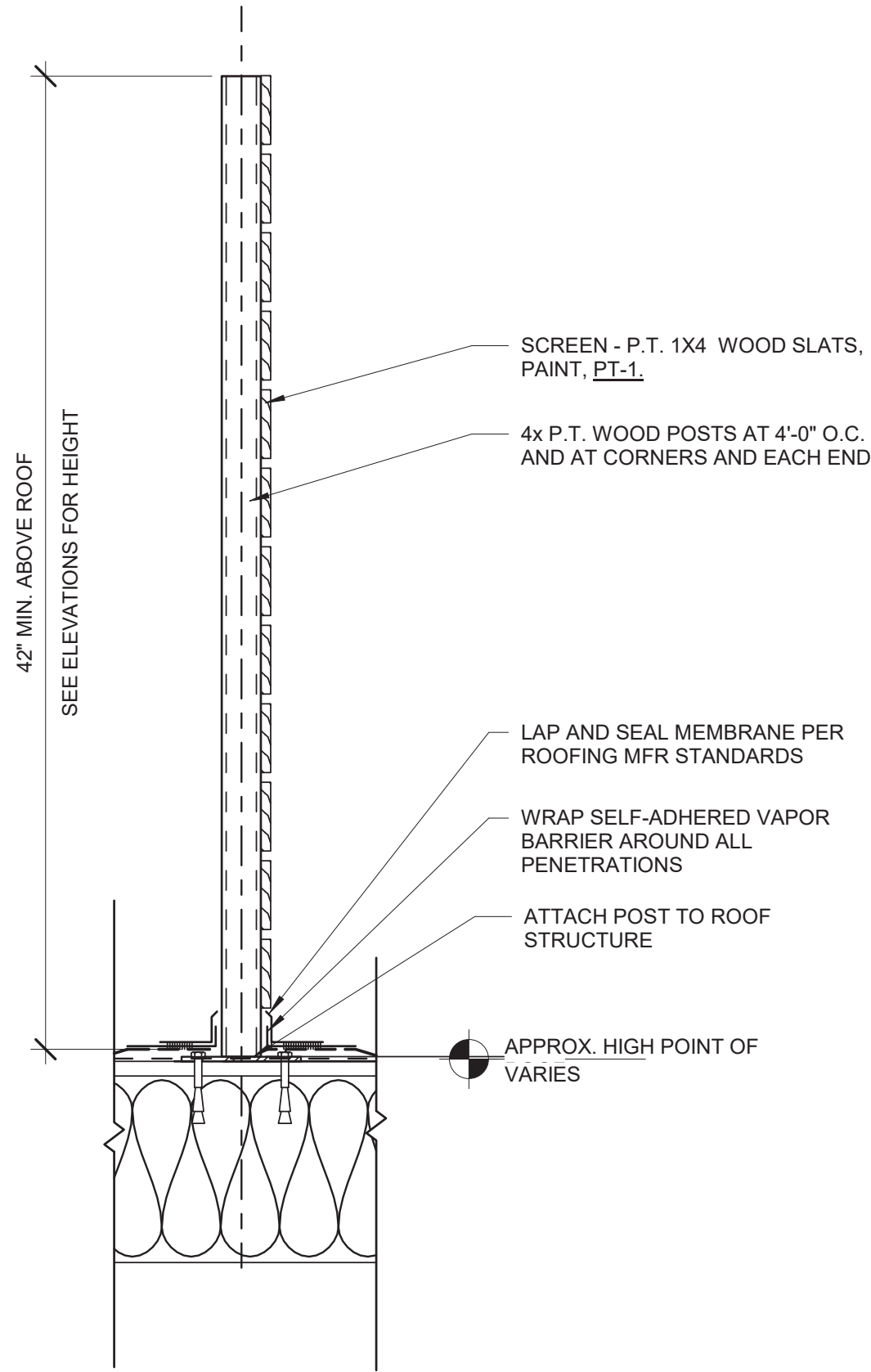


2 ROOF PLAN
1/4" = 1'-0"



NOTE:
FASTENERS AROUND PENETRATION ARE NOT REQUIRED IF PENETRATION IS 6" OR LESS.

3 VENT STACK FLASHING
3" = 1'-0"



1 ROOFTOP WOOD SCREEN
1 1/2" = 1'-0"

CITY OF SAVANNAH
DEVELOPMENT
SERVICES

PLAN
APPROVED
06/20/2022

ARCHITECT OF RECORD

Aiken
design

ARCHITECTURE
+ Interior Design

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PROJECT

prepared for:
GMG LEASING

2701 Bull Street
Savannah, Ga 31401

Issued For: 100%
CONSTRUCTION
DOCUMENTS

Issued Date: 10.01.2021

Revision:

Date:



FOR CONSTRUCTION

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Drawing Title:
ROOF PLAN

SHEET #

A1.2

PROJECT

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Drawing Title:
STOREFRONT &
WINDOW PLAN

SHEET #

A1.3

2701 BULL STREET: EXTERIOR SCOPE OF WORK
PIN #: 20074-24004

THE SCOPE OF WORK FOR EXTERIOR IMPROVEMENTS TO THE BUILDING LOCATED AT 2701 BULL STREET INCLUDES:

- NEW STOREFRONT WINDOWS & DOORS WITHIN EXISTING OPENINGS ON NORTH & EAST FACADES AS INDICATED ON PLANS & ELEVATIONS. RESTORE EXISTING WINDOWS ON WEST AND SOUTH FACADES. THERE WILL BE NO MODIFICATIONS TO ANY EXTERIOR MASONRY OPENING SIZES WITHIN THE EXTERIOR SCOPE OF WORK. SEE PLANS & ELEVATIONS FOR EXISTING OPENING SIZES.
- NEW, PRESSURE TREATED WOOD SCREENING FOR ROOF TOP EQUIPMENT; PAINT, PT-1. SEE ROOF PLAN, ELEVATIONS & DETAILS.

EXTERIOR SCOPE OF WORK
1/2" = 1'-0"

PLAN NOTES & ELEVATION NOTES (EXTERIOR)

THE PROPERTY LOCATED AT 2701 BULL STREET IS LOCATED IN THE HISTORIC STREET CAR DISTRICT & IS CONSIDERED A NON CONTRIBUTING STRUCTURE.

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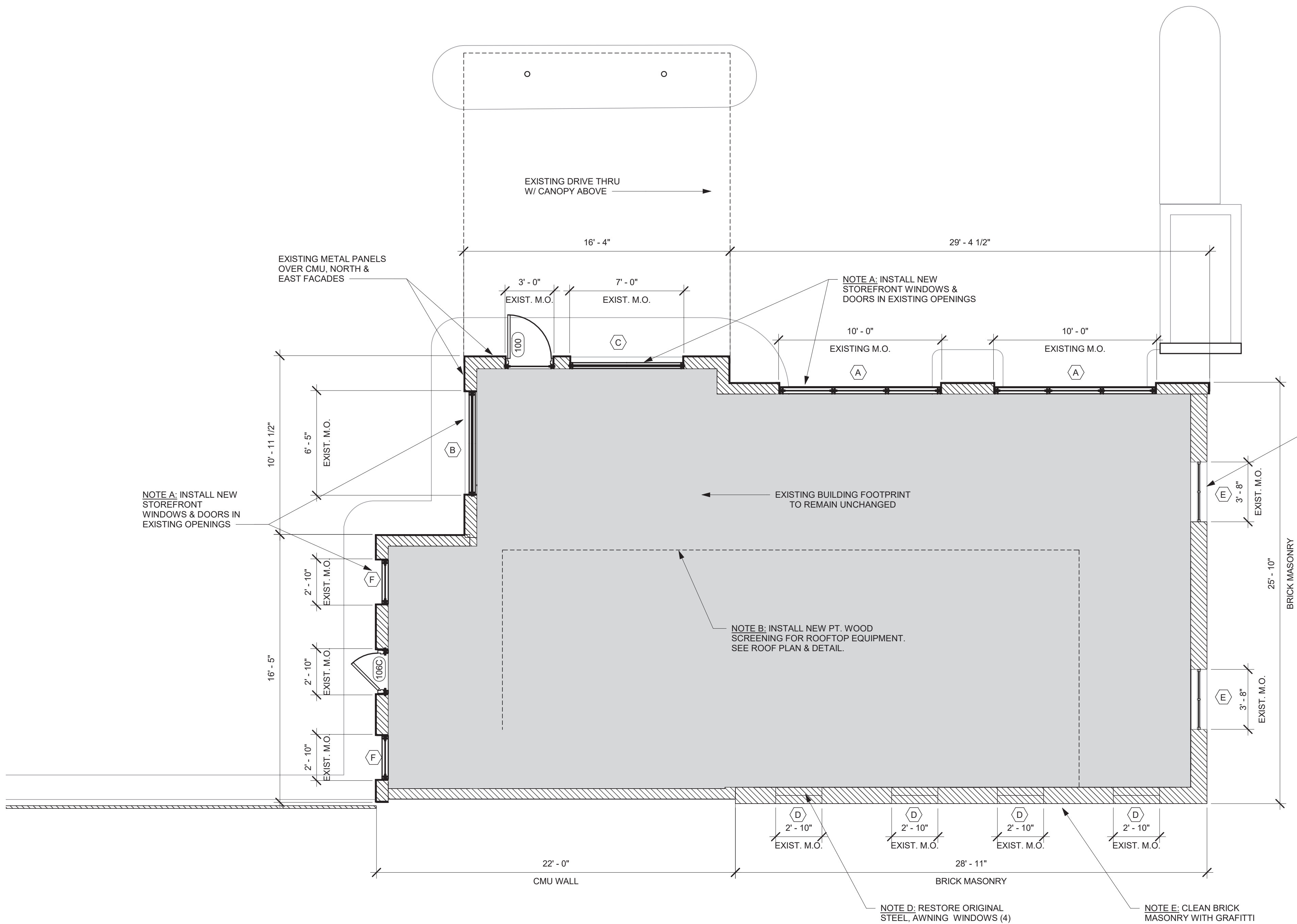
B. INSTALL NEW PT. WOOD SCREENING FOR ROOFTOP EQUIPMENT. SEE ROOF PLAN & DETAIL.

C. REMOVE APPLIED BURGLAR BARS & RESTORE ORIGINAL STEEL WINDOWS (2) THAT REMAIN ON SOUTH FACADE. ORIGINAL LITE CONFIGURATION TO REMAIN.

D. RESTORE ORIGINAL STEEL, AWNING WINDOWS (4) THAT REMAIN ON WEST FACADE. ORIGINAL LITE CONFIGURATION TO REMAIN.

E. CLEAN MASONRY WITH GRAFFITI CLEANER AS DETERMINED USING THE INFORMATION PROVIDED IN PRESERVATION BRIEF 38 - REMOVING GRAFFITI FROM HISTORIC MASONRY. CHOSEN METHOD & MATERIAL PRODUCT SPECIFICATIONS TO BE SUBMITTED TO HPC FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

PLAN & ELEVATION NOTES (EXTERIOR)
1/2" = 1'-0"



1 STOREFRONT & WINDOW PLAN
1/4" = 1'-0"





FIXTURE LEGEND



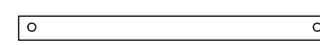
A: RECESSED LED CAN
SEE ELECTRICAL FOR SPEC



B: EXHAUST FAN
SEE MECHANICAL FOR SPEC



C: DECORATIVE WALL MOUNTED SCONCE
TBD: BY ARCH + ID



D: 4' LED STRIP W/ FROSTED LENS
SEE ELECTRICAL FOR SPEC

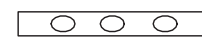
F: 4' LED STRIP, RECESSED & RATED FOR OUTDOOR USE
SEE ELECTRICAL FOR SPEC



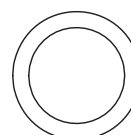
F1: DECORATIVE PENDANT FIXTURE
SCULPTURAL METAL PENDANT
WEST ELM
18" HARD WIRED; WHITE W/ BRASS ACCENTS

F2: DECORATIVE PENDANT FIXTURE
SCULPTURAL METAL PENDANT
WEST ELM
18" HARD WIRED; BLACK W/ BRASS ACCENTS

F3: INDUSTRIAL STYLE PENDANT FIXTURE
SEE ELECTRICAL



G: INFRARED FOOD WARMER
WEBTAURANT STORE
ITEM #: GRAH-54 MFR: GLO-RAY, INFRARED
FOOD WARMER
FINISH: GLOSS FINISH TBD: SMOOTH WHITE
OR BOLD BLACK, COORD W/ ARCH/ID.



J: LARGE ACOUSTICAL PENDANT
BUZZY: BUZZY SHADE, MEDIUM SIZE
FINISH SELECTIONS TBD BY ARCH + ID

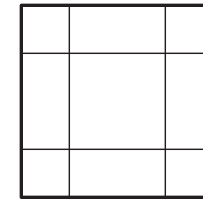
CEILING PLAN GENERAL NOTES

- A. GC TO COORDINATE ALL FINAL FIXTURE FINISHES & COLORS WITH ARCH + ID PRIOR TO CONSTRUCTION
B. ARCH + ID TO COORDINATE ALL PENDANT & SCONCE HEIGHTS IN THE FIELD WITH GC, PRIOR TO ROUGH IN.
C. GC TO PROVIDE PLACEHOLDER NUMBERS FOR ALL FIXTURE SELECTIONS LABELED TBD.

LIGHTING LEGEND & SCHEDULE

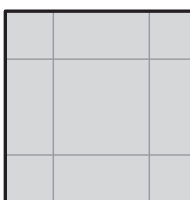
1/4" = 1'-0"

CEILING TYPES



ATC - ALL KITCHEN & PREP AREAS
2' X 2' ARMSTRONG CLEAN ROOM VL
UNPERFORATED
SQUARE LAY-IN 15/16" GRID

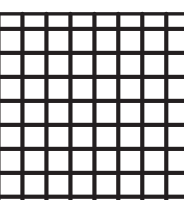
ATC - RESTROOM & HALL
2' X 2' ARMSTRONG OPTIMA
SQUARE REGULAR
3/16" GRID



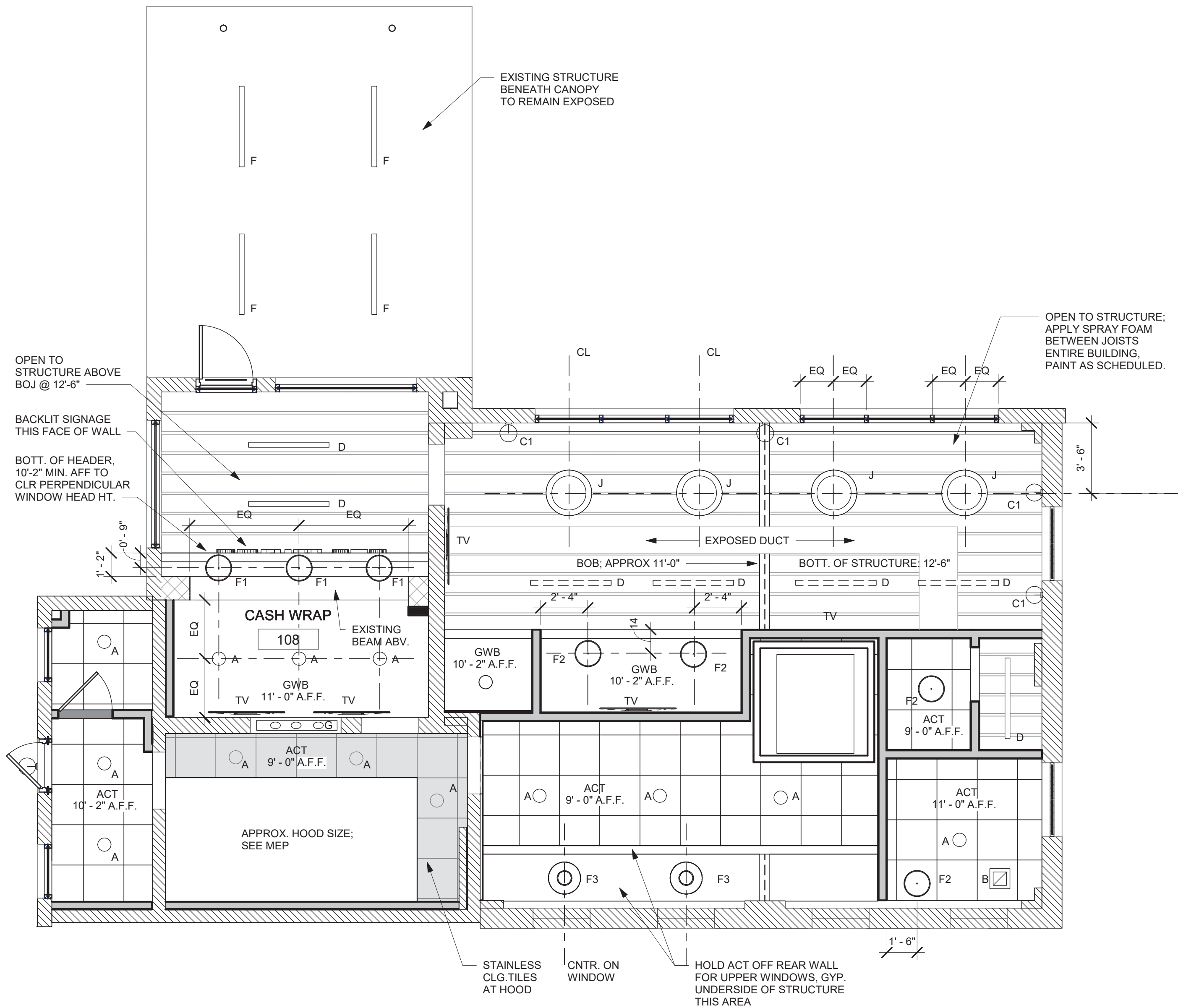
2' X 2' ARMSTRONG, STAINLESS
STEEL PANELS AT HOOD
SURROUND WITH/ 15/16 GRID
* LOCATE AT KITCHEN HOOD



PAINTED 1/2" GYP. BD. OVER
FURRING CHANNELS



PERFORATED METAL CEILING
PANELS; WHITE TO MATCH EXISTING
BUILDING EXTERIOR



PROJECT

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-
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Savannah, Ga 31401

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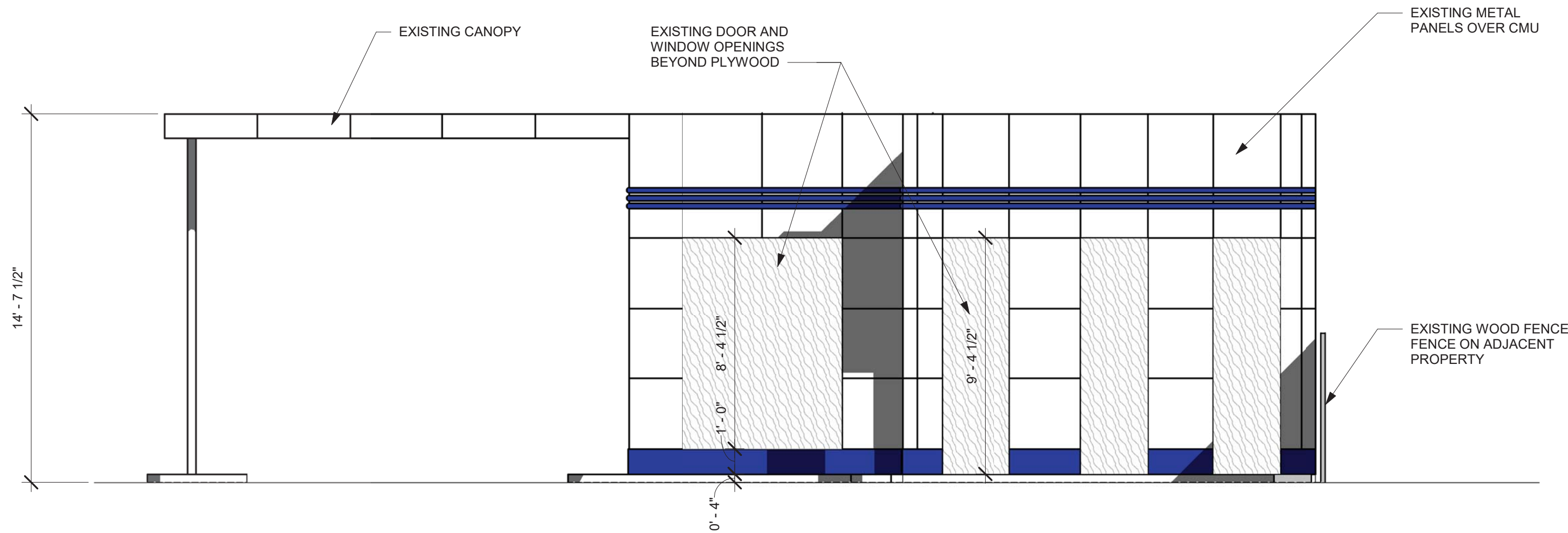
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Drawing Title:
EXISTING
ELEVATIONS

SHEET #

A3.1



② EXISTING NORTH ELEVATION
1/4" = 1'-0"



EAST FACADE



DRIVE THROUGH CANOPY

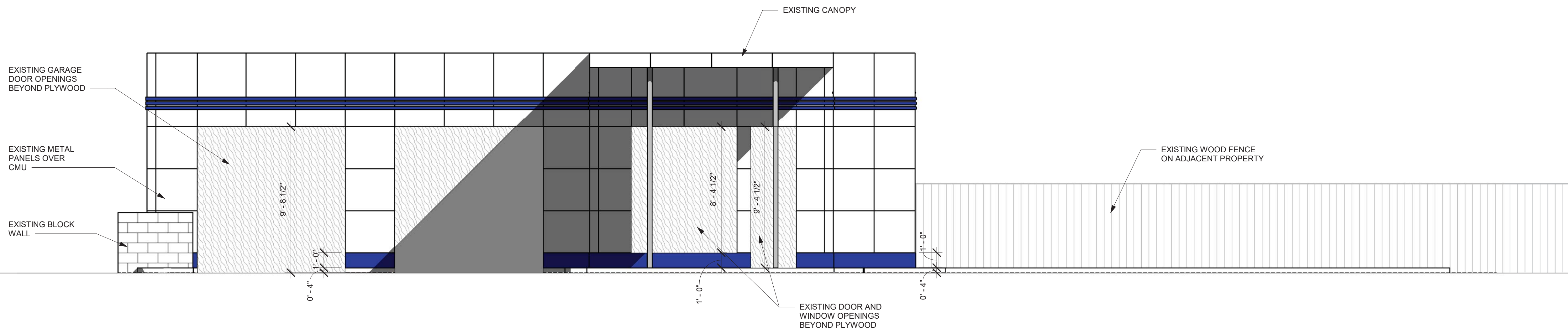


NORTH FACADE



NORTH AND EAST FACADES

③ EXISTING SITE PHOTOS
1/8" = 1'-0"



① EAST ELEVATION - EXISTING
1/4" = 1'-0"

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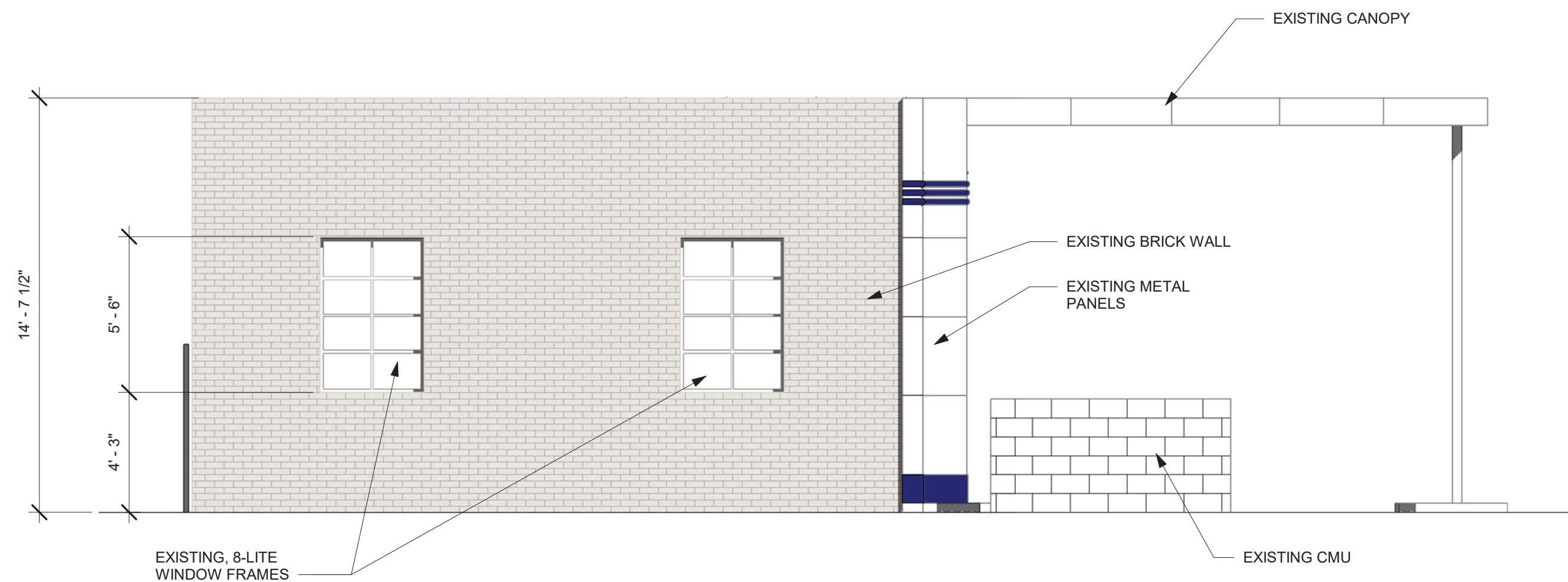
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Drawing Title:
EXISTING
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SHEET #

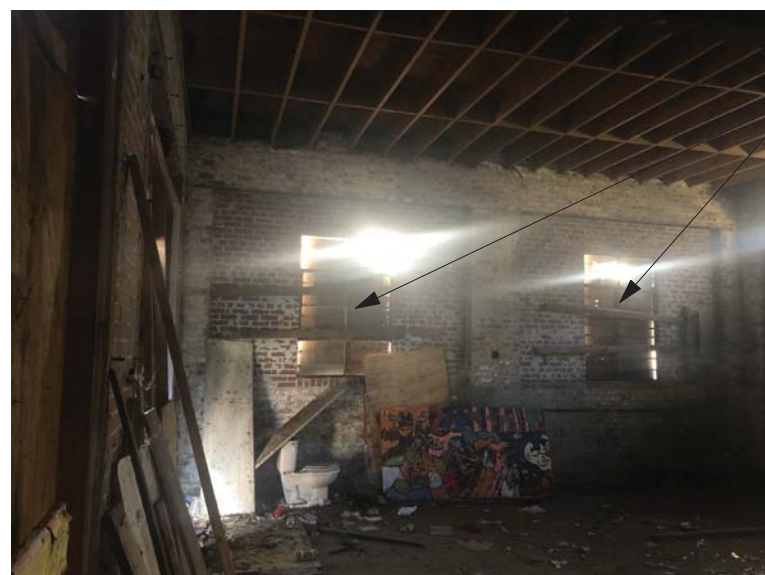
A3.2



② EXISTING SOUTH ELEVATION
1/4" = 1'-0"



EXISTING SOUTH FACADE



EXISTING, 8 LITE
WINDOW FRAMES ON
SOUTH WALL

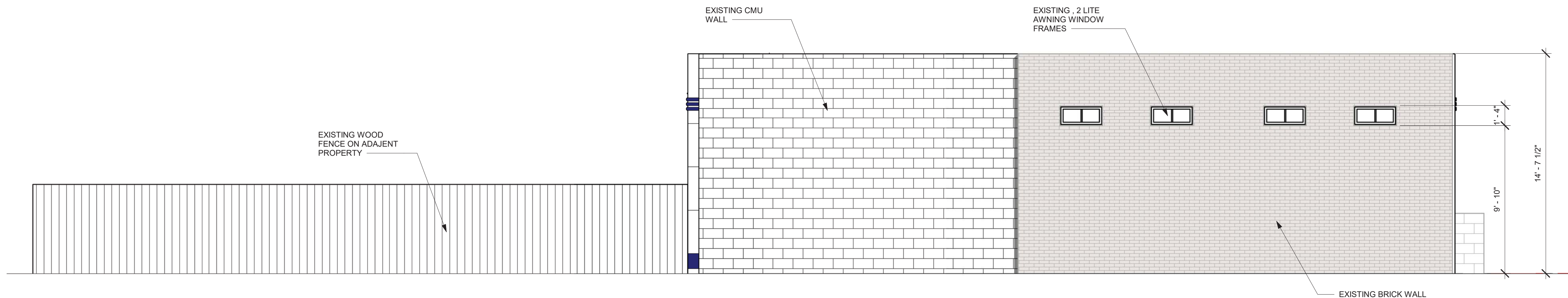


EXISTING WEST FACADE



EXISTING, 2 LITE AWNING
WINDOWS ON SOUTH WALL

③ EXISTING SITE PHOTOS 2
1/8" = 1'-0"



① EXISTING WEST ELEVATION
1/4" = 1'-0"



2701 BULL STREET: EXTERIOR SCOPE OF WORK
PIN #: 20074-24004

THE SCOPE OF WORK FOR EXTERIOR IMPROVEMENTS TO THE BUILDING LOCATED AT 2701 BULL STREET INCLUDES:

- NEW STOREFRONT WINDOWS & DOORS WITHIN EXISTING OPENINGS ON NORTH & EAST FACADES AS INDICATED ON PLANS & ELEVATIONS. RESTORE EXISTING WINDOWS ON WEST AND SOUTH FACADES. THERE WILL BE NO MODIFICATIONS TO ANY EXTERIOR MASONRY OPENING SIZES WITHIN THE EXTERIOR SCOPE OF WORK. SEE PLANS & ELEVATIONS FOR EXISTING OPENING SIZES.
- NEW, PRESSURE TREATED WOOD SCREENING FOR ROOF TOP EQUIPMENT; PAINT, PT-1. SEE ROOF PLAN, ELEVATIONS & DETAILS.

EXTERIOR SCOPE OF WORK
1/2" = 1'-0"

PLAN NOTES & ELEVATION NOTES (EXTERIOR)

THE PROPERTY LOCATED AT 2701 BULL STREET IS LOCATED IN THE HISTORIC STREET CAR DISTRICT & IS CONSIDERED A NON CONTRIBUTING STRUCTURE.

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C. REMOVE APPLIED BURGLAR BARS & RESTORE ORIGINAL STEEL WINDOWS (2) THAT REMAIN ON SOUTH FACADE. ORIGINAL LITE CONFIGURATION TO REMAIN.

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PLAN NOTES & ELEVATION NOTES (INTERIOR)

F. EXISTING CHANGE IN SLAB LEVEL TO REMAIN, 4" STEP DN THIS LOCATION

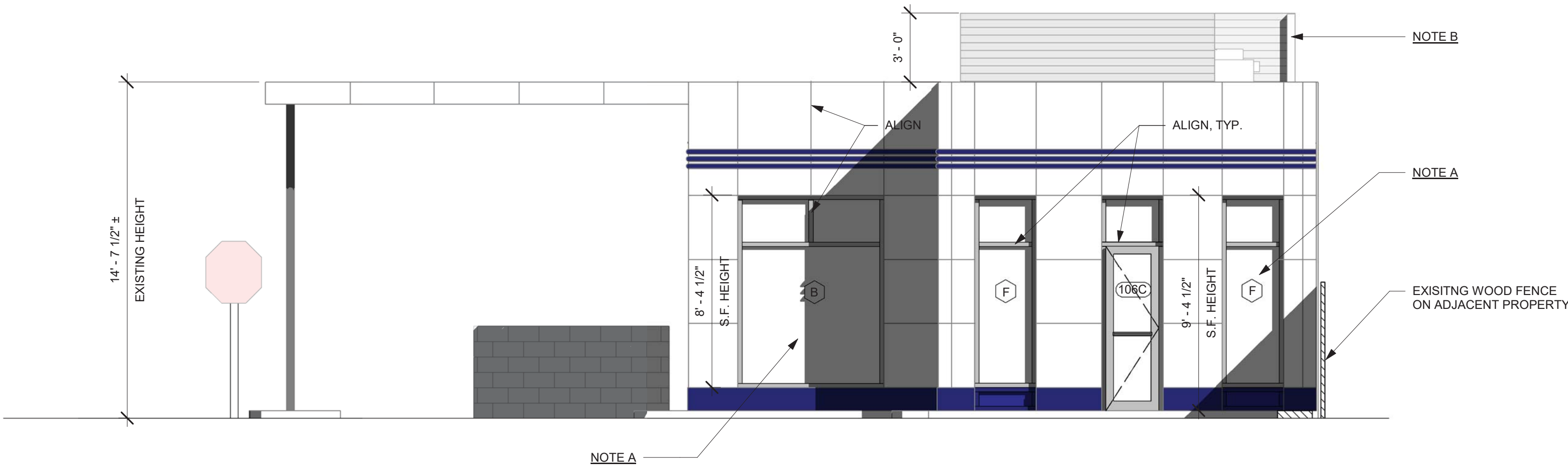
G. INFILL SLAB AS INDICATED TO BE LEVEL WITH TOP OF EXISTING SLAB.

H. CUSTOM CASEWORK FOR TRASH BINS, COORD. DETAILS WITH ARCH/ID.

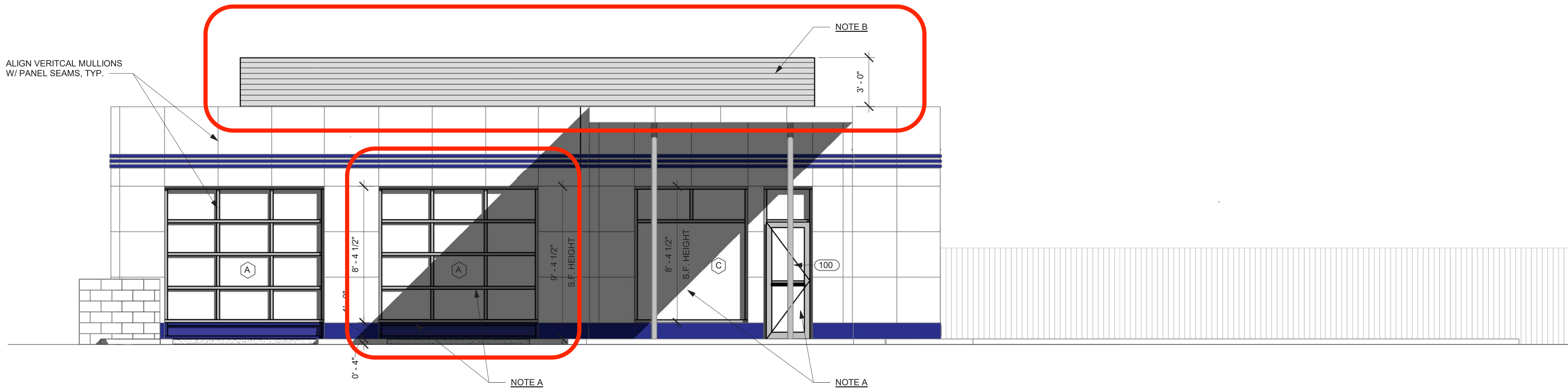
I. NOT USED

J. FURR OUT WALLS & COORD W/ MEP AT LOCATIONS WHERE INDICATED.

PLAN & ELEVATION NOTES
1/2" = 1'-0"



2 NORTH ELEVATION - PROPOSED
1/4" = 1'-0"



1 EAST ELEVATION - NEW
1/4" = 1'-0"

2701 BULL STREET: EXTERIOR SCOPE OF WORK
PIN #: 20074-24004

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EXTERIOR SCOPE OF WORK
1/2" = 1'-0"

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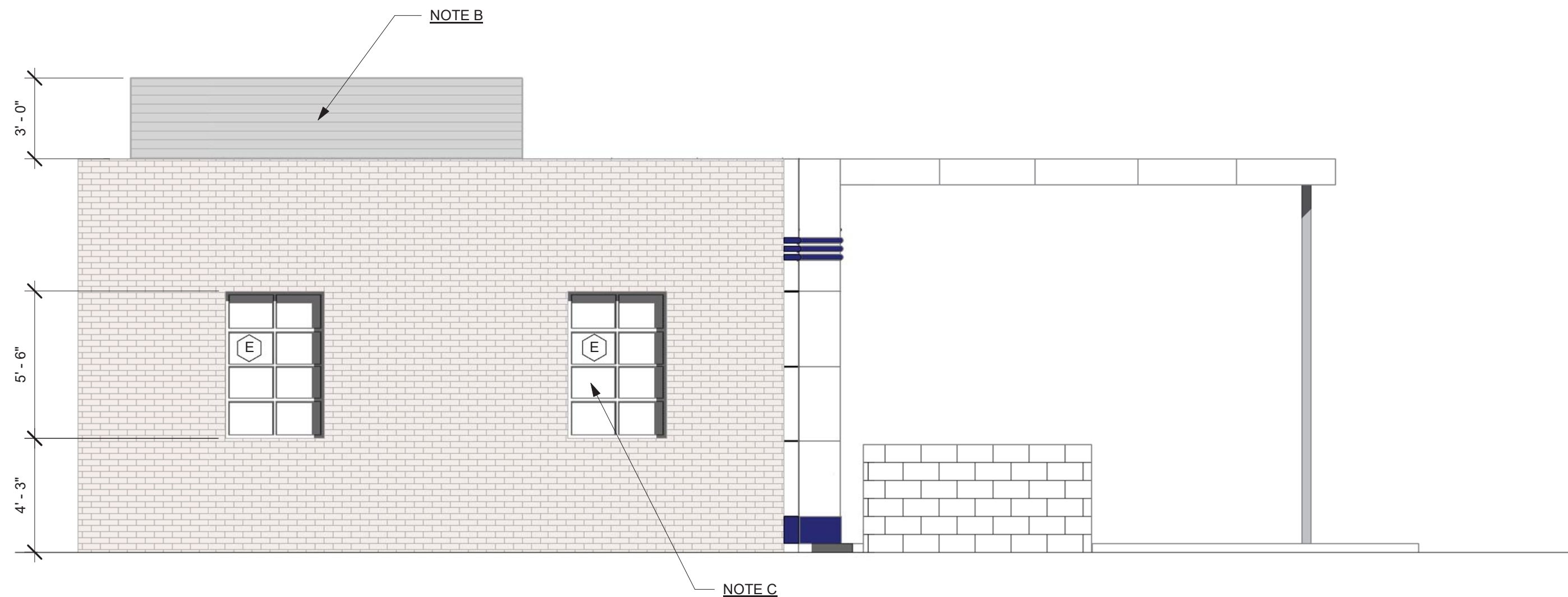
G. INFILL SLAB AS INDICATED TO BE LEVEL WITH TOP OF EXISTING SLAB.

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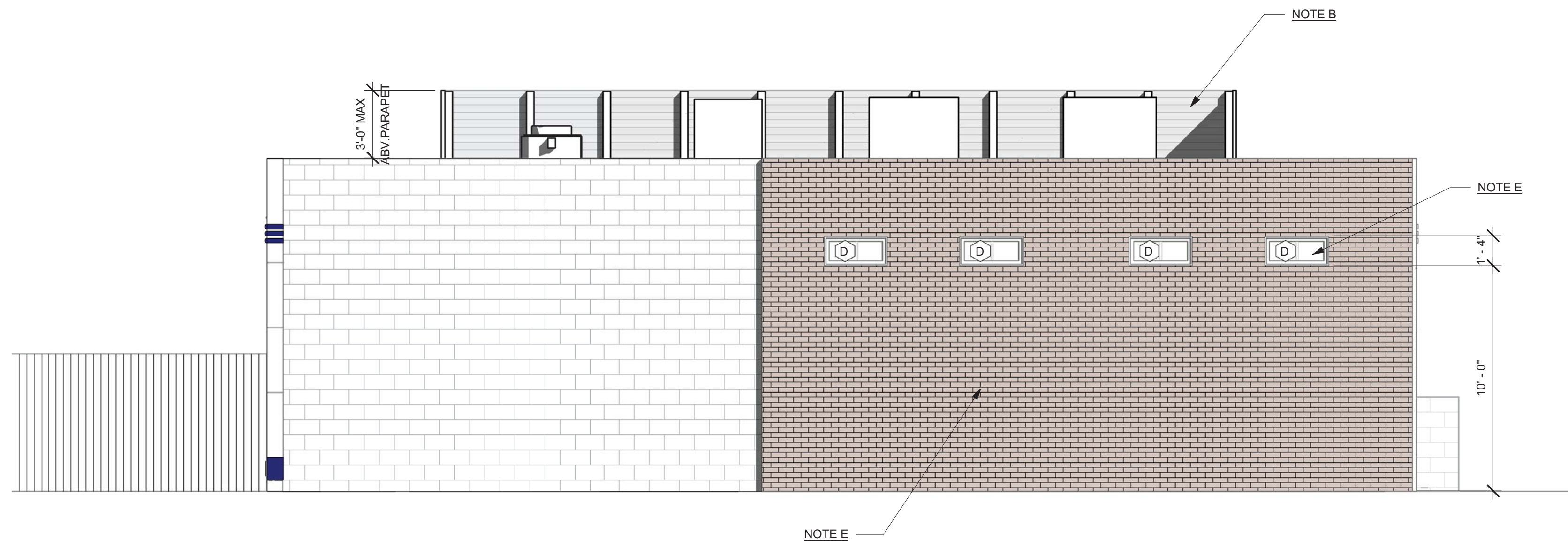
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J. FURR OUT WALLS & COORD W/ MEP AT LOCATIONS WHERE INDICATED.

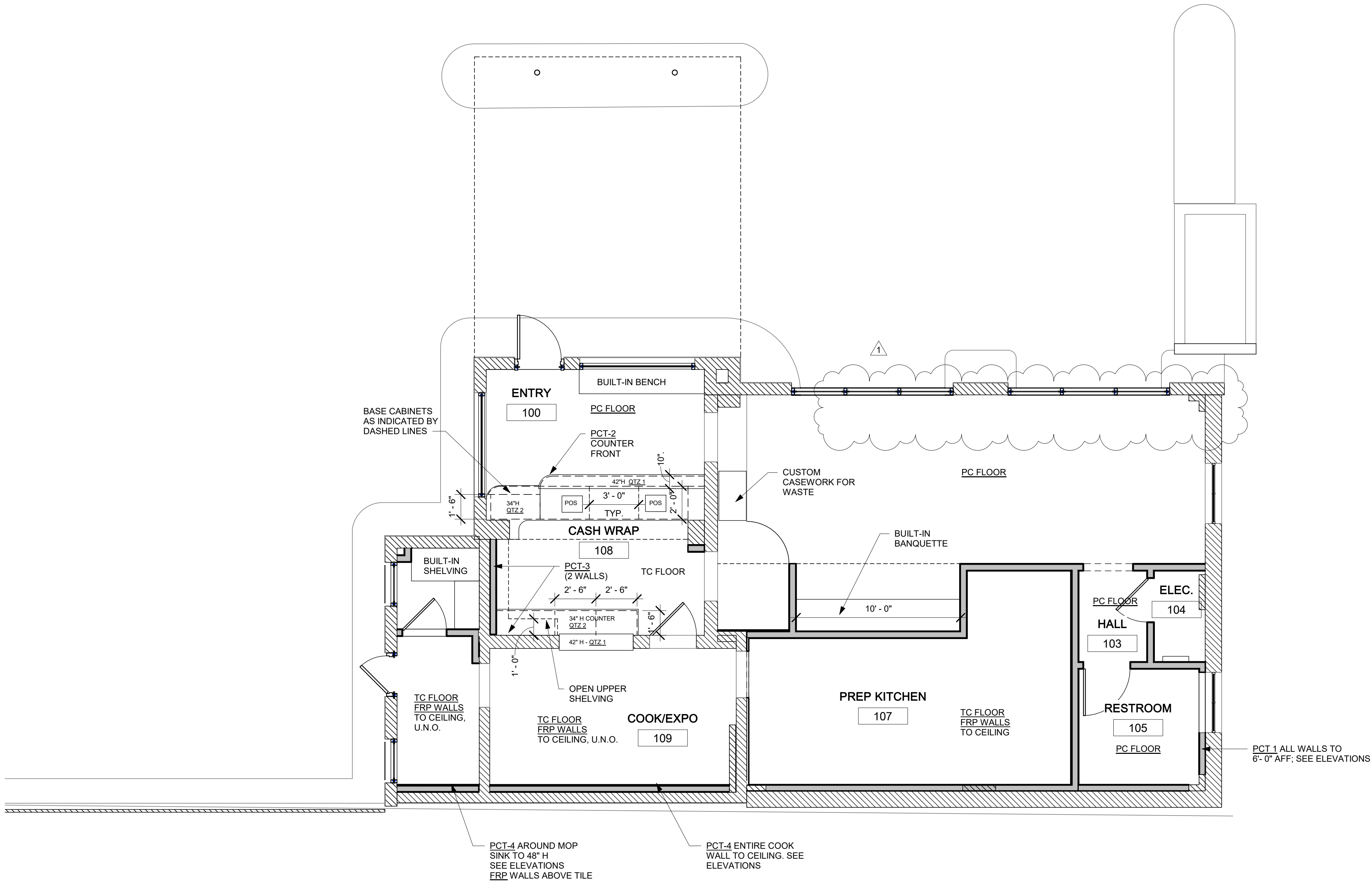
PLAN & ELEVATION NOTES
1/2" = 1'-0"



2 SOUTH ELEVATION
1/4" = 1'-0"



1 WEST ELEVATION
1/4" = 1'-0"



1 FINISH & FURNITURE PLAN
1/4" = 1'-0"

FINISH SCHEDULE

PCT-1
MANUFACTURER: DALITILE
STYLE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 4X8
COLOR: ORANGE BURST 1097, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-2
MANUFACTURER: DALITILE
STYLE: SIZE: COLOR WHEEL CLASSICS
SIZE: 4X4 RECTANGLES, GLOSSY
COLOR: 5 COLOR MIXED PATTERN, COLORS: TBD
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-3
MANUFACTURER: DALITILE
STYLE: PURE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 4X12
COLOR: OCEAN BLUE 1049, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-4
MANUFACTURER: DALITILE
STYLE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 8X24
COLOR: ARTIC WHITE 0190, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-5
MANUFACTURER: DALITILE
STYLE: COLOR WHEEL CLASSICS
SIZE: RECTANGLE 4X4, GLOSSY
COLOR: TBD
NOTE: SEE PLANS FOR EXTENTS

PC
POLISHED CONCRETE - PREP. GRIND AND LEVEL AS
NEEDED FOR EVEN FLOOR LEVEL/FINISH

TC
TEXTURED CONCRETE - PREP. GRIND AND LEVEL AS
NEEDED FOR EVEN FLOOR LEVEL/FINISH.
FINISH FOR COMMERCIAL KITCHEN APPLICAITON

PT
ALL PAINT COLORS TBD. PAINT SCHEDULE TO BE
ISSUED AT LATER DATE

AP-1
ACOUSTICAL PANELS INSTALLED THIS LOCATION.
TO BE PROVIDED BY OWNER, INSTALLED BY GC

WC-1
WALL COVERING. TBD BY OWNER/ ID. TO BE PROVIDED
BY OWNER AND INSTALLED BY GC.

QZ-1
QUARTZ COUNTERTOP TBD BY ARCH+ID

QZ-2
QUARTZ COUNTERTOP TBD BY ARCH+ID

FINISH SCHEDULE
1/4" = 1'-0"

PROJECT

prepared for:
GMG LEASING

2701 Bull Street
Savannah, Ga 31401

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CONSTRUCTION
DOCUMENTS

Issued Date: 10.01.2021

Revision: 1

Date: 11.02.2021



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Drawing Title:
FINISH PLAN

SHEET #

A7.1

FINISH SCHEDULE

PCT-1
MANUFACTURER: DAL TILE
STYLE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 4X8
COLOR: ORANGE BURST 1097, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-2
MANUFACTURER: DAL TILE
STYLE: SIZE: COLOR WHEEL CLASSICS
SIZE: 4X4 RECTANGLES, GLOSSY
COLOR: 5 COLOR MIXED PATTERN, COLORS: TBD
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-3
MANUFACTURER: DAL TILE
STYLE: PURE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 4X12
COLOR: OCEAN BLUE 1049, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-4
MANUFACTURER: DAL TILE
STYLE: COLOR WHEEL LINEAR
SIZE: RECTANGLE 8X24
COLOR: ARTIC WHITE 0190, GLOSSY
NOTE: SEE ELEVATIONS FOR EXTENTS

PCT-5
MANUFACTURER: DAL TILE
STYLE: COLOR WHEEL CLASSICS
SIZE: RECTANGLE 4X4, GLOSSY
COLOR: TBD
NOTE: SEE PLANS FOR EXTENTS

PC
POLISHED CONCRETE - PREP, GRIND AND LEVEL AS
NEEDED FOR EVEN FLOOR LEVEL/FINISH

TC
TEXTURED CONCRETE - PREP, GRIND AND LEVEL AS
NEEDED FOR EVEN FLOOR LEVEL/FINISH.
FINISH FOR COMMERCIAL KITCHEN APPLICATION

PT
ALL PAINT COLORS TBD. PAINT SCHEDULE TO BE
ISSUED AT LATER DATE

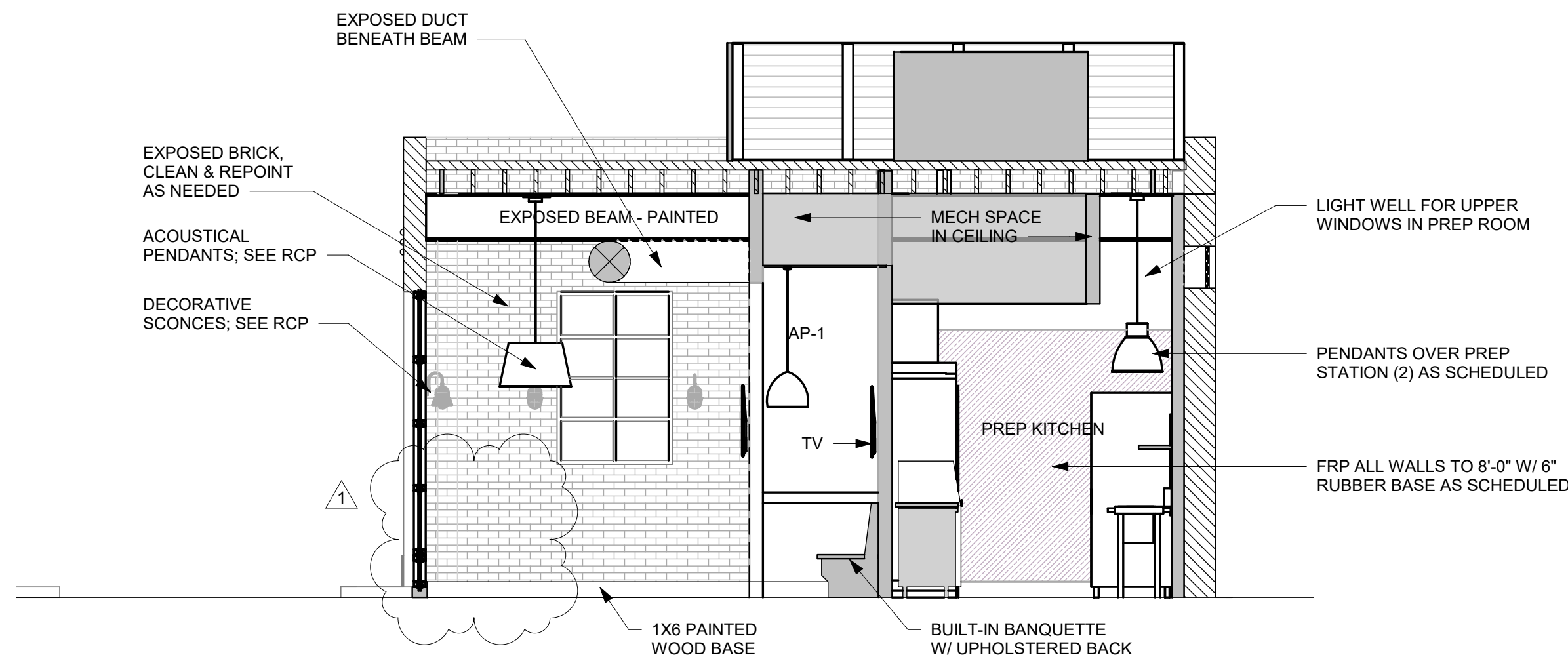
AP-1
ACOUSTICAL PANELS INSTALLED THIS LOCATION.
TO BE PROVIDED BY OWNER, INSTALLED BY GC

WC-1
WALL COVERING. TBD BY OWNER/ ID. TO BE PROVIDED
BY OWNER AND INSTALLED BY GC.

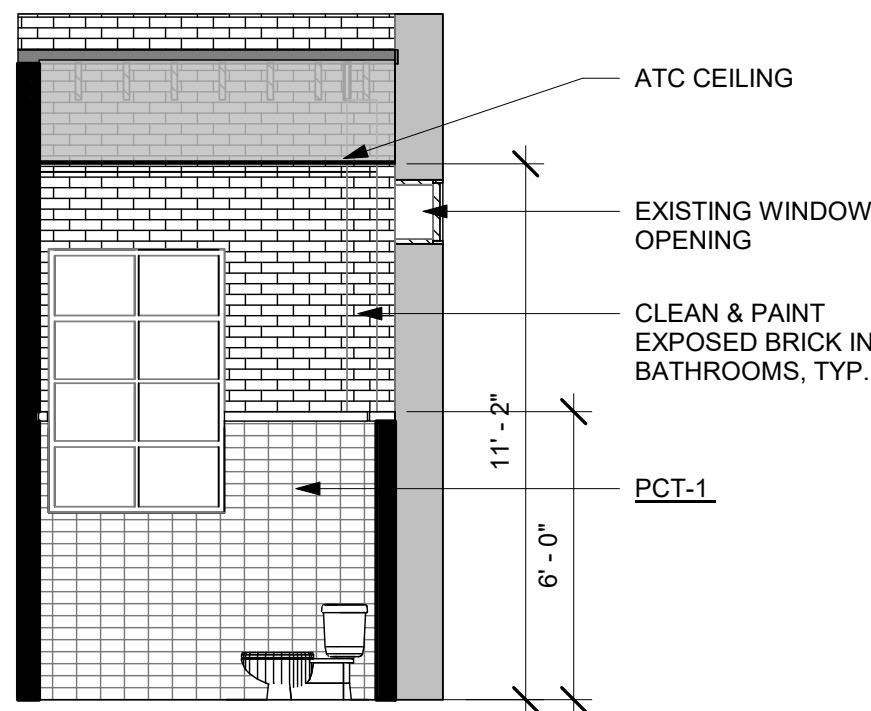
QZ-1
QUARTZ COUNTERTOP TBD BY ARCH+ID

QZ-2
QUARTZ COUNTERTOP TBD BY ARCH+ID

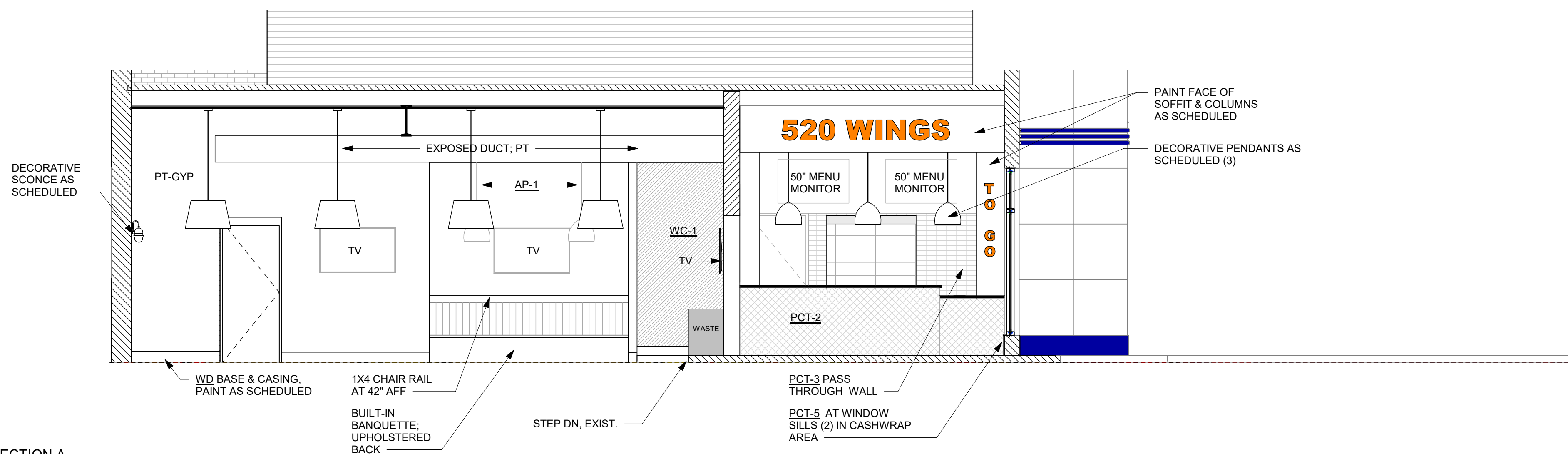
FINISH SCHEDULE
1/4" = 1'-0"



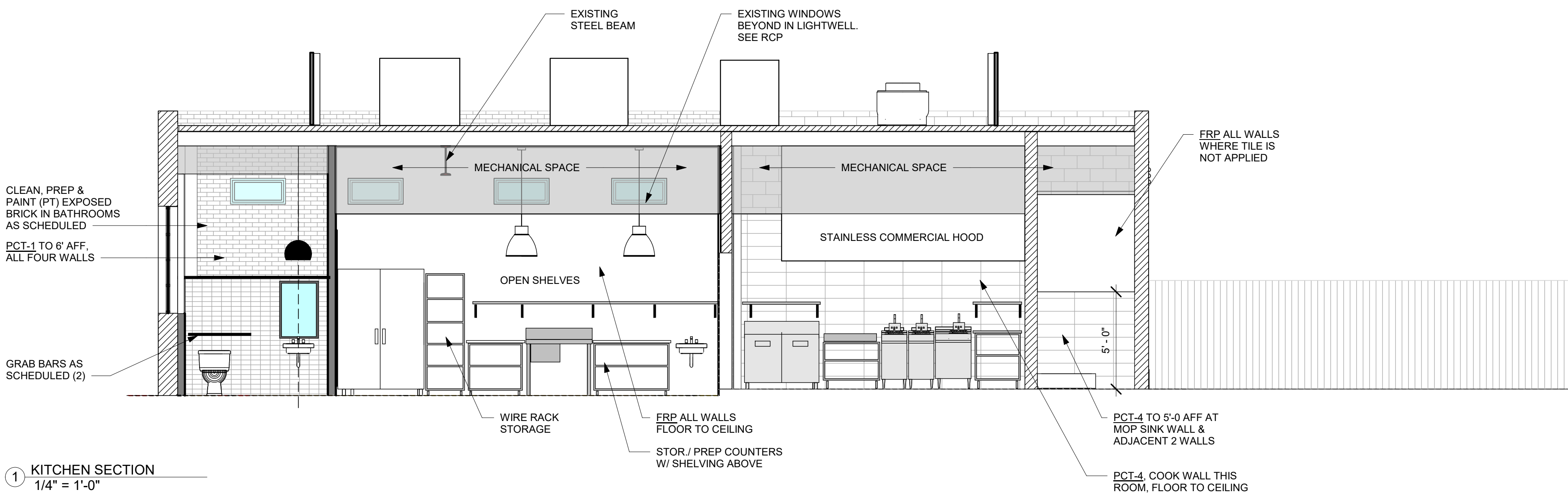
3 SECTION B
1/4" = 1'-0"



4 WOMEN'S WINDOW WALL
1/4" = 1'-0"



2 SECTION A
1/4" = 1'-0"



1 KITCHEN SECTION
1/4" = 1'-0"



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Drawing Title:

INTERIOR
ELEVATIONS &
SECTIONS
SHEET #

A7.2

EXTERIOR DOOR SCHEDULE

ABBV.	DESCRIPTION	MODEL	MANUFACTURER	SIZE	NOTES
100	STOREFRONT DOOR	20D SINGLE ENTRY DOOR	YKK AP	36"X84"	WITH TRANSOM ABOVE
106C	STOREFRONT DOOR	20D SINGLE ENTRY DOOR	YKK AP	34"X84"	WITH TRANSOM ABOVE

EXTERIOR WINDOW SCHEDULE

ABBV.	DESCRIPTION	STYLE	SIZE	NOTES
A	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET
B	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET
C	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET
D	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET
E	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET
F	YKK STOREFRONT	YES 45 FT - THERMALLY BROKEN	SEE PLANS & ELEV. FOR SIZES	CENTER SET;

NOTES:

** GC SHALL VERIFY ALL EXISTING DOOR AND WINDOW OPENING SIZES IN THE FIELD PRIOR TO CONSTRUCTION. ALL EXISTING EXTERIOR MASONRY
OPENING SIZES ARE TO REMAIN THE SAME.

INTERIOR DOOR SCHEDULE

ABBV.	DESCRIPTION	MODEL	MANUFACTURER	SIZE	NOTES
101A	CASED OPENING	WOOD	-	36"X80"	WITHIN EXISTING M.O.
101B	CASED OPENING	WOOD	-	36"X80"	REMOVE BRICK INFILL & RESTORE ORIGINAL M.O.
101C	CASED OPENING	WOOD	-	36"X84"	PAINT AS SCHEDULED
104	SOLID CORE WOOD DOOR	1 HR. RATING	-	32"X84"	PAINT AS SCHEDULED
105	SOLID CORE WOOD DOOR	TBD BY ID	-	34"X84"	PAINT AS SCHEDULED
106A	CASED OPENING	WOOD	-	32"X80"	REMOVE BLOCK INFILL & RESTORE ORIGINAL M.O.
106B	SOLID CORE WOOD DOOR	TBD BY ID	-	32"X84"	PAINT AS SCHEDULED
107	CASED OPENING	-	-	34"X80"	WITHIN EXISTING M.O.
108	RESTAURANT DOOR	ALUMINUM SWINGING DOOR W/ 9" X 14" WINDOW CURTON	CURTON, PRO SERIES	36"X80"	RESTAURANT STYLE/ WITH WINDOW AT PUSH SIDE OF DOOR

EXTERIOR PAINT/ FINISH LEGEND

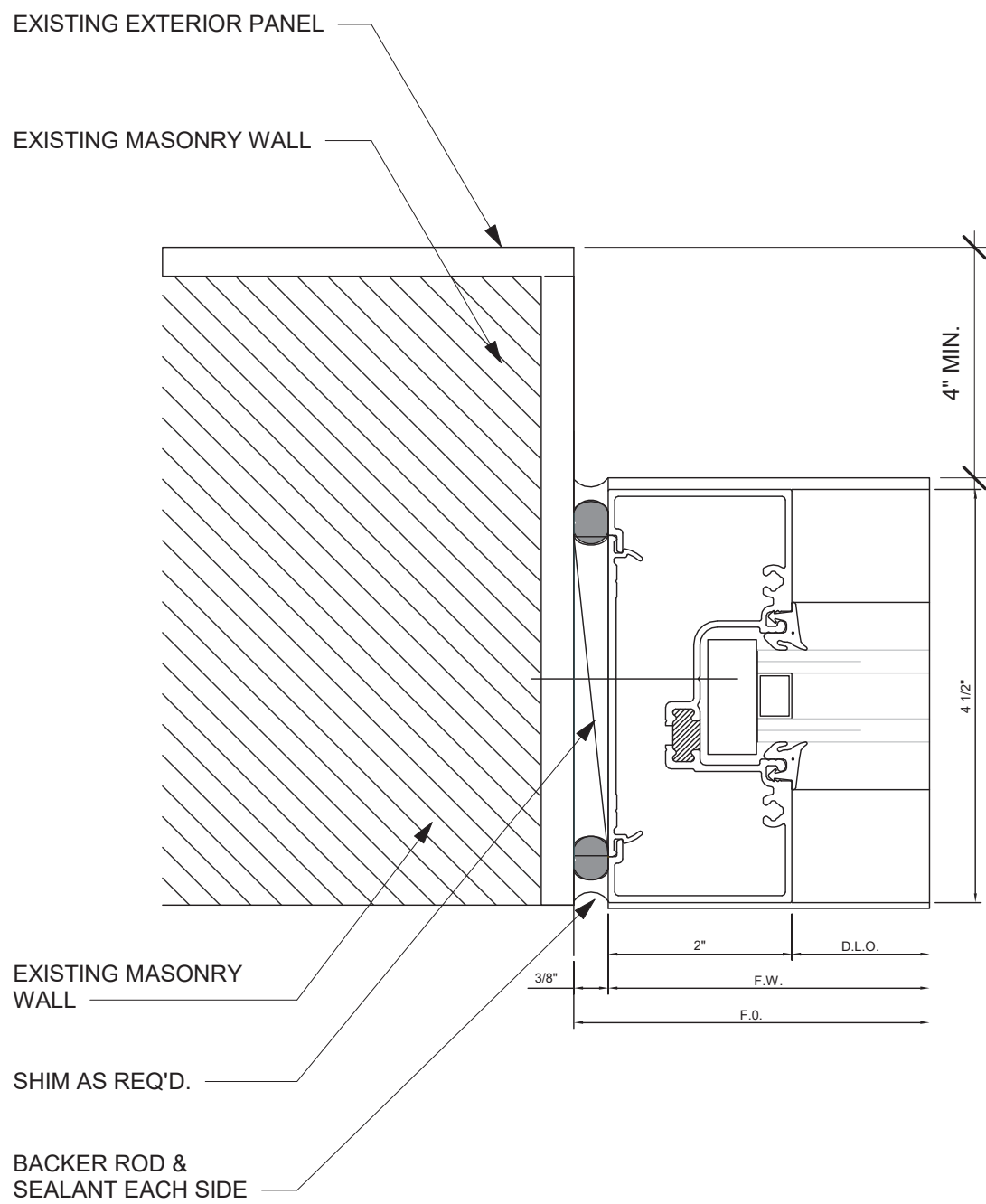


STOREFRONT FINISH:
YS1N-CLEAR
W/ CUSTOM BLUE SF AT BASE BAND;
SEE ELEVATIONS

SW 7073
Network Gray
Interior / Exterior
Location Number: 235-C3

PT-1: SW 7073, NETWORK GREY

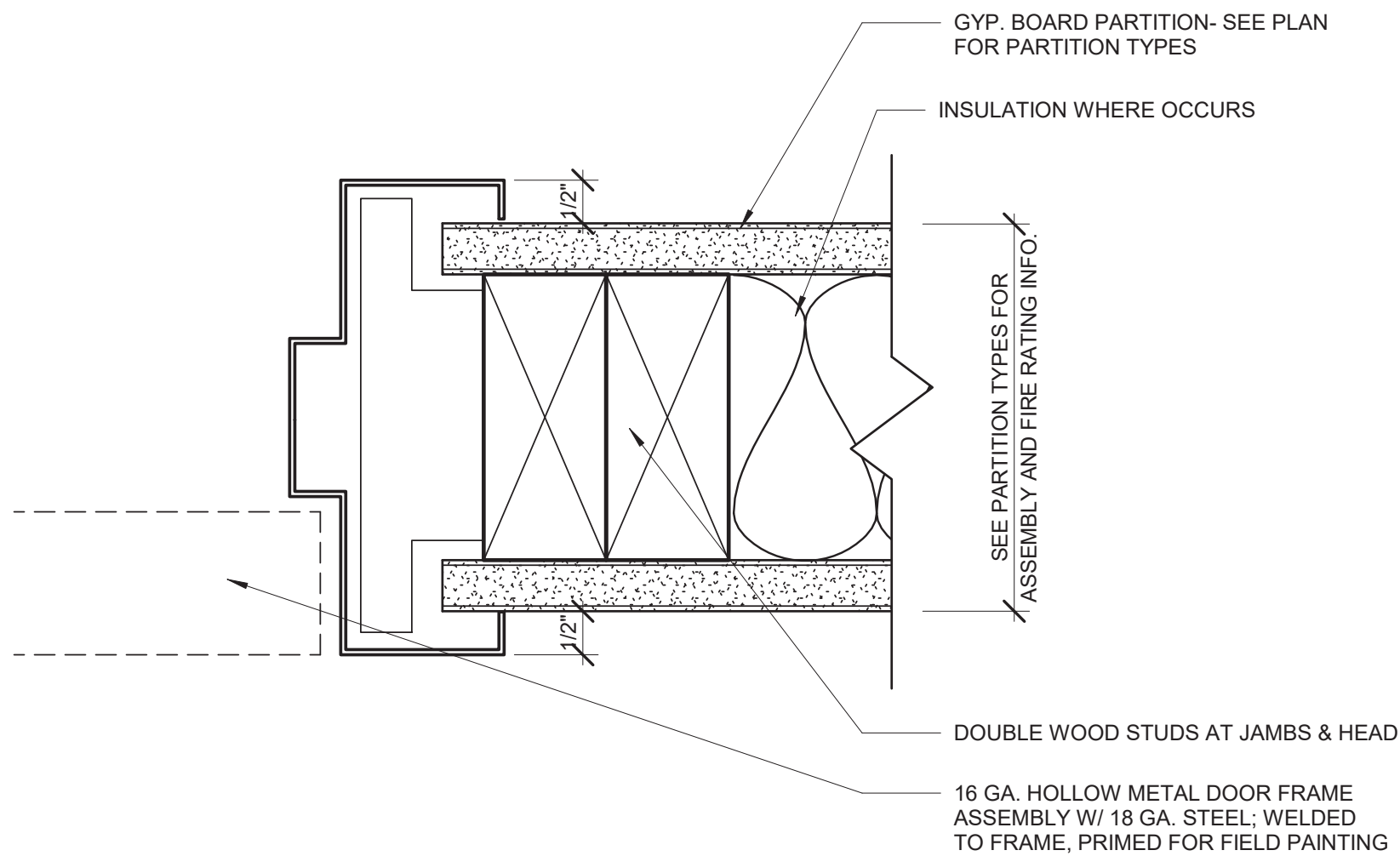
DOOR & WINDOW SCHEDULES
1/4" = 1'-0"



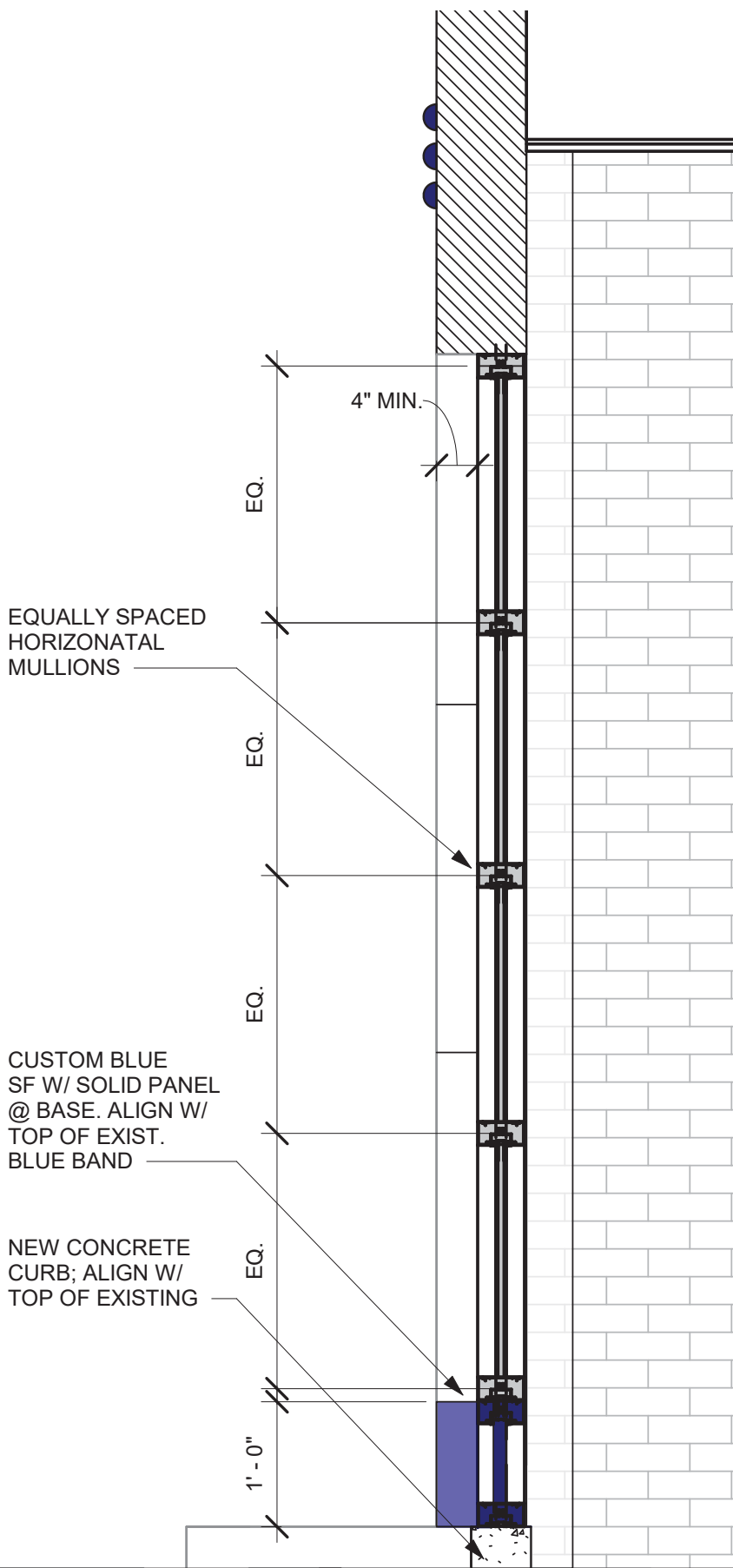
NOTE:

INSTALL NEW STOREFRONT WINDOWS & DOORS IN EXISTING OPENINGS ON NORTH
& EAST FACADES; SEE PLANS AND ELEVATIONS FOR OPENING SIZES. GC TO
ENSURE ALL EXTERIOR OPENINGS REMAIN UNALTERED. ALL NEW GLAZING IS TO
BE INSET A MIN. OF 4" FROM THE EXTERIOR FACE OF THE BUILDING. ALL GLAZING
SHALL BE TRANSPARENT WITH NO DARK TINT OR REFLECTIVE EFFECTS.

STOREFRONT JAMB
N.T.S.



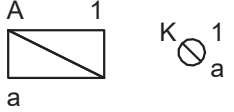
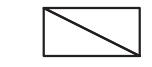
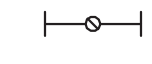
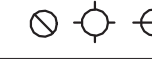
INTERIOR DOOR JAMB
N.T.S.



STOREFRONT SECTION @ FORMER
GARAGE DOOR
3/4" = 1'-0"

ELECTRICAL LEGEND

LIGHTING FIXTURES:

	STANDARD DESIGNATION FOR LIGHTING FIXTURES. "A" AND "K" INDICATE FIXTURE TYPE, "1" INDICATES CIRCUIT NUMBER AND "a" INDICATES SWITCH CONTROL
	RECESSED, SURFACE OR PENDANT MOUNT
	STRIP, SURFACE OR CHAIN HUNG
	LINEAR, SCONCE, WALL MOUNT
	RECESSED, SURFACE OR PENDANT MOUNT
	EXIT, CEILING OR WALL. ARROWS AS INDICATED ON DRAWINGS
	EMERGENCY BATTERY PACK WITH REMOTE HEADS

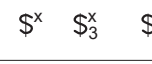
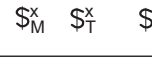
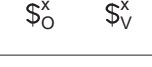
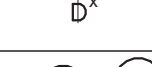
WIRING DEVICES:

RECEPTACLES SHALL BE MOUNTED AT 18" AFF, UNO. "C" NEXT TO DEVICE INDICATES MOUNTING 9" ABOVE COUNTERTOP TO CENTER OF DEVICE. COORDINATE WITH BACKSPLASH. "WP" INDICATES DEVICE IN A WEATHERPROOF "WHILE-IN-USE" HOUSING. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT TYPE.

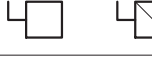
	SIMPLEX, DUPLEX, WALL, CEILING AND FLOOR MOUNTED, WALL MOUNTED AT 18" AFF, UNO
	GROUND-FAULT-INTERRUPTING TYPE DUPLEX, MOUNT AT 18" AFF, UNO
	DOUBLE DUPLEX (QUADRUPLEX), MOUNT AT 18" AFF, UNO
	JUNCTION BOX, CEILING AND WALL MOUNTED
	RECEPTACLE: SPECIAL PURPOSE, COORDINATE NEMA RATING WITH SPECIFIED EQUIPMENT

LIGHTING CONTROLS:

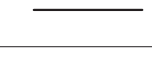
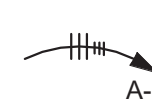
"X" SUBSCRIPT INDICATES SWITCHLEG. SWITCHED FIXTURES WILL HAVE CORRESPONDING SUBSCRIPT. OCCUPANCY SENSORS SHALL BE AUTO-ON/AUTO-OFF. VACANCY SENSORS SHALL BE MANUAL-ON/AUTO-OFF.

	SINGLE POLE, THREE-WAY TYPE, FOUR-WAY TYPE SWITCH, MOUNT 48" AFF, UNO.
	MOTOR-RATED SWITCH, TIMER SWITCH, KEYED SWITCH, MOUNT 48" AFF, UNO.
	OCCUPANCY SENSOR SWITCH, VACANCY SENSOR SWITCH, MOUNT 48" AFF, UNO.
	DIMMER, SLIDE WITH ON/OFF BUTTON, TYPE AS INDICATED ON DRAWINGS. MOUNT 48" AFF, UNO.
	PHOTOCELL, CEILING AND WALL MOUNTED, FOR EXTERIOR, LOCATE UNDER EAVES, FACING NORTH, AVOID ANY OTHER OUTSIDE LIGHT SOURCE

ELECTRICAL EQUIPMENT:

	DISCONNECT SWITCH, NON-FUSIBLE AND FUSIBLE
	PANELBOARD: SURFACE MOUNTED AND RECESSED
	EQUIPMENT AS NOTED, SEE ABBREVIATIONS, THIS SHEET
	GROUND BAR LOCATION

BRANCH CIRCUITS:

	BRANCH CIRCUIT: CONCEALED
	BRANCH CIRCUIT: CONCEALED IN FLOOR SLAB
	BRANCH CIRCUIT: EXPOSED
	"HOMERUN" TO PANEL: NUMBER OF LONG HASH MARKS INDICATES QUANTITY OF #12 AWG UNGROUNDED CONDUCTORS IN 3/4" RACEWAY. NUMBER OF SHORT HASH MARKS INDICATES QUANTITY OF GROUNDED CONDUCTORS (NEUTRALS) IN 3/4" RACEWAY. ONE DEDICATED NEUTRAL IS REQUIRED FOR EACH CIRCUIT INSTALLED. EQUIPMENT GROUNDING CONDUCTORS (GROUND) ARE NOT SHOWN. EACH CONDUCTOR SHALL BE MIN. #12 AWG, UNO. FOR MECHANICAL EQUIPMENT, SEE MECHANICAL EQUIPMENT RATINGS SCHEDULE FOR ELECTRICAL CHARACTERISTICS.

LOW VOLTAGE:

PROVIDE ROUGH-IN FOR ALL LOW VOLTAGE DEVICES AND WIRING. LOW VOLTAGE JUNCTION BOXES SHALL BE LOCATED ADJACENT TO RECEPTACLES AS SHOWN ON DRAWINGS. OTHER DEVICES WHOSE LOCATIONS ARE NOT DEPENDENT ON RECEPTACLE PLACEMENT SHALL BE COORDINATED WITH SYSTEM INSTALLER.

	WALL MTD, TELECOMMUNICATION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING
	CEILING MTD, TELECOMMUNICATION JUNCTION BOX

GENERAL NOTES:

- ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE (2020), STATE LAWS AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- CONDUIT RUNS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL DRAWINGS ARE ONLY PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- PROVIDE BRANCH CIRCUIT WIRING ACCORDING TO HOMERUNS SHOWN AND CORRESPONDING CIRCUIT NUMBERS ADJACENT TO THE DEVICE OR FIXTURE.
- REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE FOR VOLTAGE, BRANCH CIRCUITS REQUIREMENTS, BREAKERS SIZES AND OTHER RELATED ELECTRICAL EQUIPMENT TO BE PROVIDED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
AIC	AMPERE INTERRUPTING CAPACITY
ATU	AIR TERMINAL UNIT
AV	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
B.E.	BOTTOM EDGE
C.	CONDUIT
CU	CONDENSING UNIT
DAH	DUCTLESS AIR HANDLER
DHP	DUCTLESS HEAT PUMP
DIA.	DIAMETER
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EH	ELECTRIC HEATER
EMCS	ENERGY MANAGEMENT CONTROL UNIT
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
G	GROUND
GFI	GROUND-FAULT INTERRUPTING
HP	HORSE POWER
HRVU	HEAT RECOVERY VENTILATING UNIT
HWCP	HOT WATER CIRCULATING PUMP
KCMIL	KILO CIRCULAR MIL
MAH	MAKEUP AIR HEATER
MB	MAIN BREAKER
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
No.	NUMBER
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
PIV	POST INDICATOR VALVE
RGS	RIGID GALVANIZED STEEL
RTU	ROOFTOP UNIT
SF	SUPPLY FAN
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TGB	TELECOMMUNICATIONS GROUND BUS
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS
TTW	THROUGH-THE-WALL HEAT PUMP
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WATTAGE
W/	WITH
WH	WATER HEATER
WHP	WALL-MOUNTED HEAT PUMP
WP	WEATHER PROOF
XFMR	TRANSFORMER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURERS/SERIES	FINISH	MOUNTING	MAX WATTAGE	COLOR TEMP	MIN. DELIVERED LUMENS	NOTES
A	6" ROUND DOWNLIGHT	HALO HC6 SERIES, PRESCOLITE LC6 SERIES, OR PRIOR APPROVED EQUAL	WHITE TRIM RING WITH SEMI-SPECULAR REFLECTOR	RECESSED CEILING	18 W	3500 K	1,500 LUMENS	
C1	EXTERIOR LED ARCHITECTURAL SCONCE	SELECTED BY ARCHITECT PROVIDE \$200 ALLOWANCE PER FIXTURE	SELECTED BY ARCHITECT	WALL 8" AFF	100 W	4000 K		
C2	EXTERIOR WALL PACK	LUMARK XTOR SERIES, HUBBELL SG SERIES, OR PRIOR APPROVED EQUAL	BRONZE	WALL 10" AFF	35 W	4000 K	3,000 LUMENS	
D	4' LED STRIP WITH FROSTED LENS	METALUX SNLED SERIES, COLUMBIA LCL SERIES, HE WILLIAMS 75R SERIES	WHITE	SURFACE OR SUSPENDED	45 W	3000 K	4,400 LUMENS	
F	4' LED VAPORTITE W/ FROSTED POLYCARBONATE LENS	HUBBELL LXEM SERIES, METALUX VT3 SERIES, LITHONIA VAP SERIES, OR PRIOR APPROVED EQUAL	WHITE HOUSING	SURFACE	45 W	3500 K	4,500 LUMENS	IP67
F1	18" DECORATIVE PENDANT	WEST ELM SCULPTURAL METAL PENDANT	WHITE WITH BRASS ACCENTS	AIRCRAFT CABLE	60 W	3000 K	11W E26 LED LAMP	
F2	18" DECORATIVE PENDANT	WEST ELM SCULPTURAL METAL PENDANT	BLACK WITH BRASS ACCENTS	AIRCRAFT CABLE	60 W	3000 K	7W E26 LED LAMP	
F3	22" LED ACRYLIC SHADE	COLUMBIA SAV SERIES, PATHWAY P90 SERIES, OR PRIOR APPROVED EQUAL	SELECTED BY ARCHITECT	PENDANT	73 W	3000 K	7,000 LUMENS	
G	FOOD WARMING PENDANTS	HANSON HEAT LAMP 800-C-B	BLACK FINISH	PENDANT, COORDINATE HEIGHT WITH ARCHITECT	250 W	3500 K	---	
H	2' LED STRIP WITH FROSTED LENS	METALUX SNLED SERIES, COLUMBIA LCL SERIES, HE WILLIAMS 75R SERIES	WHITE	SURFACE OR SUSPENDED	30 W	3500 K	2,300 LUMENS	
J	LARGE ACOUSTICAL PENDANT	BUZZI SHADE PENDANT - LED	SELECTED BY ARCHITECT	PENDANT	60 W	3000 K	17W E26 LED LAMP	
X	METAL DIE CAST EXIT SIGN	SURE-LITES CX SERIES, DUAL LITE SE SERIES, OR PRIOR APPROVED EQUAL	BLACK HOUSING W/ BRUSHED ALUMINUM FACE, RED LETTERS	CEILING OR WALL	5 W		---	SELF-POWERED
XEM	EMERGENCY LED WALL PACK WITH TWO HEADS	SURE-LITES SEL SERIES, DUAL-LITE LZ SERIES, OR PRIOR APPROVED EQUAL	WHITE	SURFACE, WALL OR CEILING	10 W	3500 K	---	LEAD-CALCIUM BATTERY

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CONSULTANT ADDRESS 2
CONSULTANT PHONE

PROJECT

prepared for:
GARY GORDON

520 WINGS

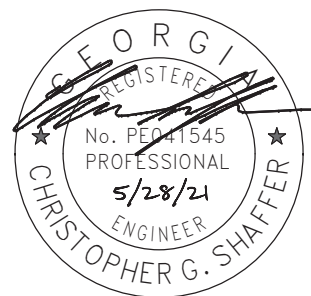
2701 Bull Street
Savannah, Ga 31401

Issued For: 100%

Issued Date: 5.16.2021

Revision:

Date:



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Drawing Title:

**LEGEND AND
FIXTURE
SCHEDULE
SHEET #**

E0.1

ELECTRICAL SPECIFICATIONS

1. GENERAL:

A. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO COMPLETE ALL WORK OF THIS SECTION. ALL MATERIALS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDAMAGED AND FREE FROM ANY DEFECTS AND SHALL BE UL LISTED..

B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE (NEC 2020 EDITION), STATE LAWS AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.

C. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.

D. ALL ELECTRICAL JUNCTION BOXES, PANELBOARDS, CABLING, RECEPTACLES SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.

E. THE CONTRACTOR SHALL GIVE ALL NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT TAXES, FEES, DEPOSITS AND OTHER COSTS IN CONNECTION WITH HIS WORK. FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN NECESSARY APPROVALS OF ALL AGENCIES HAVING JURISDICTION. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION AND APPROVALS FOR WORK.

F. STORE MATERIALS AND EQUIPMENT ON PREMISES WHERE DIRECTED BY THE OWNER.

G. THE CONTRACTOR SHALL COOPERATE TO THE FULLEST WITH ALL OTHER TRADES. THE CONTRACTOR SHALL PLAN HIS WORK IN SUCH A WAY, AND FURNISH ALL NECESSARY EQUIPMENT AND INFORMATION TO THE OTHER TRADES SO AS NOT TO DELAY ANY OTHER TRADE OR HINDER THE PROGRESS OF WORK.

H. ANY CONTRADICTIONS BETWEEN THE WRITTEN SPECIFICATIONS AND DRAWINGS SHALL BE CONSIDERED AMBIGUOUS, AND WILL BE THE RESPONSIBILITY OF THE BIDDER TO SECURE CLARIFICATION PRIOR TO BIDDING.

I. SUBMITTALS

a. SUBMIT MANUFACTURERS TECHNICAL PRODUCT DATA AND LITERATURE FOR ALL MATERIALS SPECIFIED HEREIN. INDICATE AND HIGH LIGHT ON THE SUBMITTALS DETAILS OF ALL ITEMS TO INDICATE CORRECT INTERPRETATION OF THE CONTRACT DOCUMENTS.

b. SUBMITTALS SHALL BE SUBMITTED VIA ELECTRONIC FORMAT (PDF).

2. PRODUCTS:

A. ALL MATERIALS SHALL CONFORM TO U.L. & NEMA REQUIREMENTS AND SHALL BE AS SPECIFIED OR "PRIOR APPROVED EQUAL" BY THE ENGINEER.

B. RACEWAY SYSTEM

a. ALL CONDUITS AND RACEWAYS SHALL BE INSTALLED CONCEALED IN FINISHED SPACES. CONCEALED CONDUITS SHALL BE EMT, IMC OR RGS. ROUTE ALL CONDUITS AND RACEWAYS PARALLEL AND PERPENDICULAR TO THE STRUCTURE AND SUPPORT AS REQUIRED BY THE NEC.

b. ALL RACEWAYS SHALL BE RGS OR IMC WHERE EXPOSED TO DAMAGE AND PUBLIC IN UNFINISHED SPACES. RACEWAYS SHALL BE SURFACE METAL RACEWAY (WIREMOLD) WHERE EXPOSED TO DAMAGE AND PUBLIC IN FINISHED SPACES.

c. ALL EXPOSED EXTERIOR OR WET LOCATED BRANCH CIRCUIT OR FEEDER RACEWAYS SHALL BE RGS OR IMC CONDUIT.

d. ALL RACEWAYS SHALL BE 1/2" MINIMUM SIZE.

e. ALL UNDERGROUND BRANCH CIRCUIT OR FEEDER RACEWAYS SHALL BE PVC CONDUIT.

f. CONNECTORS/COUPLINGS FOR USE WITH EMT CONDUIT SHALL BE STEEL COMPRESSION TYPE. EXCEPT THAT STEEL SET SCREW TYPE WILL BE ACCEPTABLE FOR EMT CONDUIT SIZES 2-1/2" AND LARGER.

g. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH FIRE RATED CAULK TO PREVENT TRANSFER OF SMOKE, WATER AND DUST.

h. FLEXIBLE METAL CONDUIT WITH APPROVED TYPE FITTINGS MAY BE USED IN LIMITED LENGTHS FOR CONNECTIONS TO MOTORS AND RECESSED FIXTURES WHERE IT IS NECESSARY TO PROVIDE FLEXIBLE CONNECTIONS.

i. METAL-CLAD CABLE IS PERMITTED WHERE PERMITTED IN NEC. HOMERUNS TO PANEL SHALL BE IN EMT.

j. PROVIDE 200# NYLON PULLSTRING IN ALL EMPTY RACEWAY.

C. BOXES

a. PROVIDE GALVANIZED STEEL OUTLET BOXES WITH STAMPED KNOCKOUTS FOR INTERIOR DRY LOCATIONS.

b. PROVIDE CAST ALUMINUM BOX FOR ALL EXTERIOR WET LOCATIONS.

c. INTERIOR FLUSH BOXES SHALL BE 4" SQUARE BY 1-1/4" DEEP. INTERIOR FLUSH BOXES FOR COMMUNICATION OUTLETS AND GFCI OUTLETS SHALL BE 4-11/16" SQUARE BY 2-1/8" DEEP.

d. PROVIDE SINGLE GANG TILE COVERS UNLESS REQUIRED OTHERWISE.

e. BOXES SHALL NOT BE MOUNTED BACK TO BACK IN COMMON WALLS.

f. ATTACH EMT CONDUIT WITH CONNECTORS WITH INSULATED THROATS.

D. WIRE AND CABLES

a. PROVIDE AND INSTALL ALL WIRING AND CABLE AS REQUIRED TO CONNECT ALL ELECTRICAL EQUIPMENT AND DEVICES INDICATED ON THE PLANS.

b. ALL CONDUCTORS #10 GAUGE AND SMALLER SHALL BE SOLID COPPER, 75°C TYPE THHN OR THWN, 600V INSULATION.

c. ALL CONDUCTORS #8 GAUGE AND LARGER SHALL BE STRANDED COPPER, 75°C TYPE THHN OR THWN, 600V INSULATION.

d. BRANCH CIRCUITS SHALL NOT BE SMALLER THAN #12 AWG.

e. CONDUCTORS SHALL BE COLOR CODED BLACK/RED/BLUE FOR 120/208 VOLT SYSTEMS FOR A, B AND C PHASES. NEUTRAL SHALL BE WHITE FOR 120/208V. GROUND CONDUCTOR SHALL BE GREEN.

E. WIRING DEVICES

a. PROVIDE WIRING DEVICES PRODUCED BY ONE OF THE FOLLOWING MANUFACTURERS: HUBBELL, LEVITON, LEGRAND, LUTRON OR EATON.

b. RECEPTACLES SHALL BE SPECIFICATION GRADE HEAVY-DUTY TYPE RECEPTACLES 2-POLE, 3-WIRE GROUNDING, SIDE WIRING, NEMA 5-20R, 20-AMP, 125 VOLTS, UNLESS SHOWN OTHERWISE.

c. WEATHERPROOF COVERS SHALL BE "WHILE-IN-USE" COVERS.

d. LIGHT SWITCHES SHALL BE RATED 20 AMPS, 120V AC RATED.

e. ADJACENT DEVICES SHALL HAVE A COMMON FACEPLATE.

f. OCCUPANCY SENSORS SHALL BE DUAL TECHNOLOGY TYPE. SENSORS SHALL BE MANUFACTURER'S RECOMMENDED SIZE AND MODEL FOR EACH SPACE. EXACT LOCATION OF SENSORS SHALL BE AS DETERMINED BY MANUFACTURER IN SHOP DRAWINGS. ACCEPTABLE SENSOR MANUFACTURERS: HUBBELL BUILDING AUTOMATION, WATTSTOPPER, COOPER.

g. FINISH OF ALL WIRING DEVICES SHALL BE COORDINATED WITH ARCHITECT WITH 302 STAINLESS STEEL COVERS.

F. LIGHTING FIXTURES

a. CONTRACTOR SHALL PROVIDE ALL LIGHTING FIXTURES AS INDICATED ON THE FIXTURE SCHEDULE. SERIES NUMBERS ARE FOR GENERAL IDENTIFICATION OF FIXTURES ONLY. ALL RELATED ITEMS FOR A COMPLETE SYSTEM SHALL BE INCLUDED.

b. LED FIXTURES SHALL HAVE A L70 RATING OF AT LEAST 50,000 HOURS.

c. LED FIXTURES AND DRIVERS SHALL HAVE A 5 YEAR WARRANTY.

d. PROVIDE FIXTURES WITH PROPER FRAMES FOR CEILING TYPES INDICATED ON THE REFLECTED CEILING PLAN.

e. EMERGENCY FIXTURES SHALL BE PROVIDED WITH FACTORY INSTALLED WITH 1100 LUMEN EMERGENCY BATTERY PACKS.

G. SERVICE

a. PROVIDE ELECTRICAL SERVICE AS SHOWN ON DRAWINGS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE OWNER OR POWER COMPANY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CLOSELY COORDINATE ENTIRE INSTALLATION WITH OWNER AND POWER COMPANY AS REQUIRED.

b. PROVIDE TELEPHONE SERVICE RACEWAYS FROM THE CONNECTION POINT TO LOCATION SHOWN ON PLANS. COORDINATE TELEPHONE INSTALLATION REQUIREMENTS AND POINT OF CONNECTION WITH TELEPHONE COMPANY.

H. PANELBOARDS

a. ACCEPTABLE MANUFACTURERS ARE GE, SIEMENS, SQUARE D, OR EATON.

b. PROVIDE PANELBOARDS OF THE TYPE, SIZE, AND RATING INDICATED ON PANEL SCHEDULES COMPLETE WITH REQUIRED CIRCUIT BREAKERS.

c. LIGHTING AND APPLIANCE TYPE PANELBOARDS SHALL BE A MINIMUM OF 20" WIDE.

d. ALL BUSBARS, INCLUDING NEUTRAL AND GROUND BUSBARS, SHALL BE COPPER.

e. CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE, HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK MOLDED CASE CIRCUIT BREAKERS. MULTI-POLE BREAKERS SHALL BE COMMON TRIP WITH A SINGLE HANDLE. PROVISIONS FOR FUTURE BREAKERS SHALL BE FULLY BUSSED COMPLETE WITH ALL NECESSARY MOUNTING HARDWARE.

f. PANELS SHALL BE FULLY RATED FOR THE AVAILABLE FAULT CURRENT LISTED ON THE PANEL SCHEDULE.

g. PROVIDE LAMINATED PLASTIC NAMEPLATE.

h. PROVIDE NEW TYPED SCHEDULES FOR ALL PANELBOARDS. SPARE CIRCUIT BREAKERS SHALL BE LABELED SPARE AND IN THE OFF POSITION.

I. GROUNDING

a. THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDSED AS REQUIRED BY THE NATIONAL ELECTRIC CODE. ALL GROUND SYSTEMS AND CONNECTIONS SHALL BE MECHANICALLY SECURE AND ELECTRICALLY CONTINUOUS.

b. PROVIDE ELECTRICAL BRAZING OR EXOTHERMIC CONNECTORS AND TERMINALS. BOLTED CLAMP WILL NOT BE ACCEPTED BETWEEN GROUNDING RODS AND GROUND CONDUCTORS.

c. BOND EQUIPMENT GROUNDING CONDUCTORS TO ALL OUTLET BOXES WITH A SCREW USED FOR NO OTHER PURPOSE.

d. CONNECT EQUIPMENT GROUNDING CONDUCTOR TO DEVICE GROUNDING TERMINALS.

e. PROVIDE BARE OR GREEN INSULATED STRANDED COPPER SIZED ACCORDING TO NEC OR AS SHOWN.

f. GROUND RODS SHALL BE 3/4" DIAMETER X 10' COPPER-CLAD STEEL, SECTIONAL TYPE.

J. DISCONNECT SWITCHES

a. ACCEPTABLE MANUFACTURERS ARE GE, SIEMENS, SQUARE D, OR EATON.

b. PROVIDE HEAVY DUTY TYPE, SHEET STEEL ENCLOSED SAFETY SWITCHES, INCORPORATING QUICK-BREAK TYPE SWITCHES.

c. ALL SWITCHES SHALL BE UL LISTED.

d. DISCONNECTS SHALL BE NON-FUSED TYPE, UNO.

L. SPD

a. ACCEPTABLE MANUFACTURERS ARE SURGE SUPPRESSION, CURRENT TECHNOLOGIES, LIEBERT, EATON, SQUARE D AND ADVANCED PROTECTION TECHNOLOGIES.

b. PROVIDE SPD UNITS CONNECTED IN PARALLEL WITH POWER DISTRIBUTION EQUIPMENT.

c. SPD UNITS SHALL BE MOUNTED EXTERNAL TO POWER DISTRIBUTION EQUIPMENT. THE USE OF SPD UNITS INTEGRAL WITH POWER DISTRIBUTION EQUIPMENT IS NOT ACCEPTABLE.

d. SPD FOR SERVICE EQUIPMENT SHALL BE AS FOLLOWS: SINGLE PULSE SURGE CAPACITY PER MODE: 150,000 AMPS AND MODES: L-L, L-N, AND L-G.

e. ALL UNITS SHALL HAVE THE FOLLOWING FEATURES: PHASE LED INDICATOR LIGHTS, DISTURBANCE COUNTER, 5-YEAR REPAIR/REPLACEMENT WARRANTY FROM MANUFACTURER IN THE NAME OF THE OWNER.

f. INSTALL SPD UNITS ADJACENT TO ELECTRICAL EQUIPMENT, ENSURING THAT LEAD LENGTHS ARE AS SHORT AS POSSIBLE TO ACHIEVE MAXIMUM PROTECTION. CONNECT TO CIRCUIT BREAKER IN ELECTRICAL EQUIPMENT AS SHOWN ON THE MANUFACTURER'S WIRING DIAGRAMS.

3. EXECUTION

A. WORKMANSHIP

a. ALL WORK SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH CODE REQUIREMENTS AND THE RESPECTIVE MANUFACTURER'S INSTRUCTIONS.

B. TEMPORARY POWER

a. FURNISH AND INSTALL TEMPORARY LIGHT AND POWER AS MAY BE REQUIRED BY ALL TRADES.

C. SUPPORTS

a. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO ADEQUATELY SUPPORT, BRACE AND STRENGTHEN EQUIPMENT AND MATERIALS FURNISHED AS PART OF THIS WORK.

b. ALL RACEWAYS, BOXES, ETC., SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE, INDEPENDENT OF DUCT, PIPING OR OTHER WORK.

D. BRANCH CIRCUITS

a. PROVIDE ALL CONDUITS, OUTLETS, BOXES, WIRES, SWITCHES, RECEPTACLES, ETC., FOR A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS.

b. CONTRACTOR SHALL CAREFULLY CHECK MECHANICAL DRAWINGS AND SPECIFICATIONS TO ESTABLISH EXTENT OF POWER TO BE PROVIDED.

E. CLEANING

a. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ALL WASTE, SURPLUS MATERIALS, OR DEBRIS WHICH IS CAUSED BY HIS EMPLOYEES OR RESULTING FROM HIS WORK.

b. AFTER ALL EQUIPMENT AND DEVICES HAVE BEEN INSTALLED, REMOVE ALL LABELS, STICKERS, STAINS, TEMPORARY COVERS, ETC.

c. PROVIDE IDENTIFICATION PLATES ON ALL EQUIPMENT.

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Revision:

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Drawing Title:
ELECTRICAL
SPECIFICATIONS

SHEET #

E0.2

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Drawing Title:
LIGHTING PLAN

SHEET #

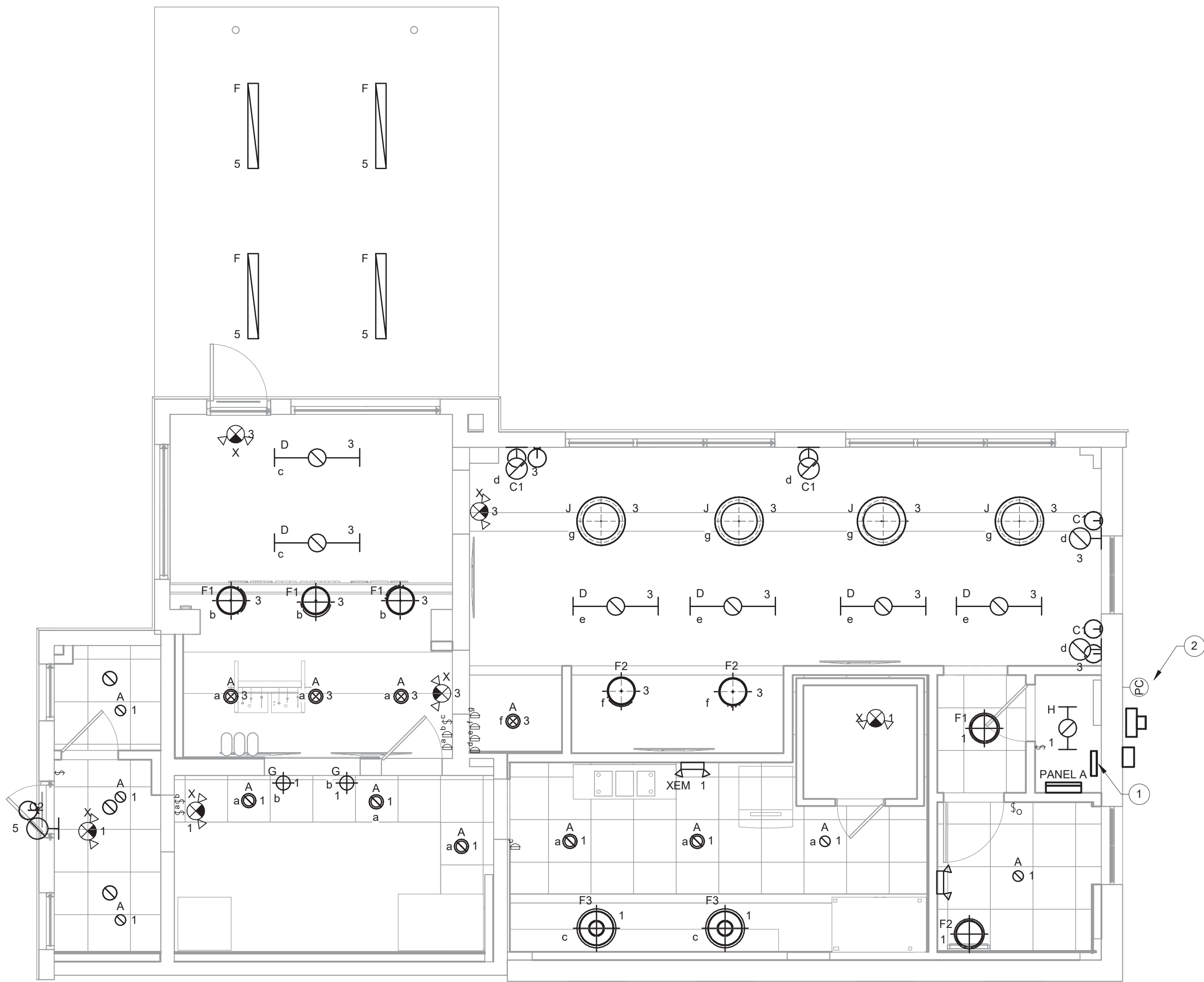
E1.1

GENERAL NOTES

- A. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN.
- B. EMERGENCY AND EXIT FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR (NOT RUN THROUGH TIMECLOCK).

KEY NOTES

- | | |
|---|--|
| 1 | PROVIDE 8 POLE LIGHTING CONTROL PANEL FOR INTERIOR AND EXTERIOR LIGHTS. SEE DETAIL 1/3.2 FOR MORE INFORMATION. |
| 2 | PHOTOCELL FOR LIGHTING CONTROL PANEL. |



1 LIGHTING PLAN
1/4" = 1'-0"

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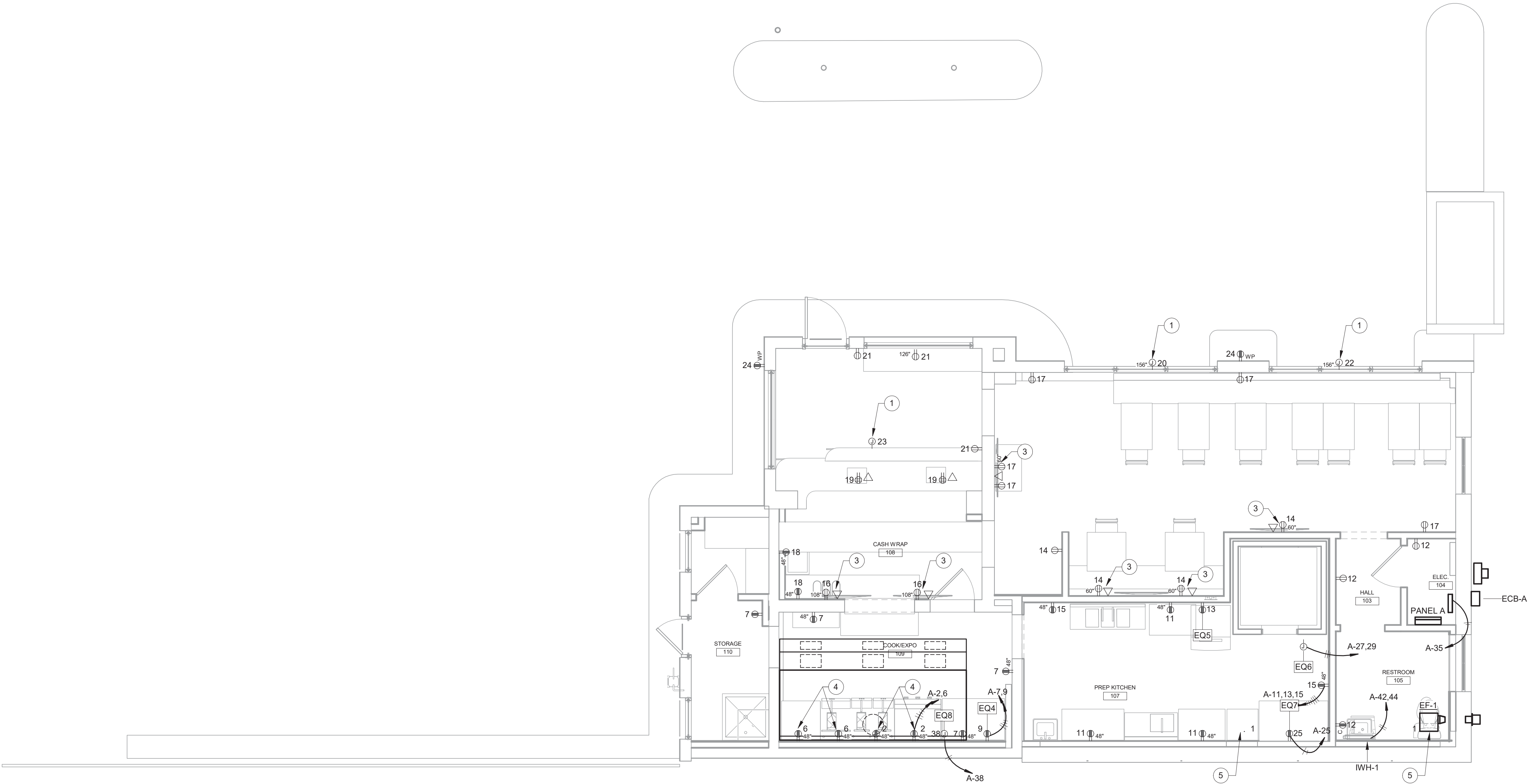
Drawing Title:
POWER PLAN

SHEET #

E2.1

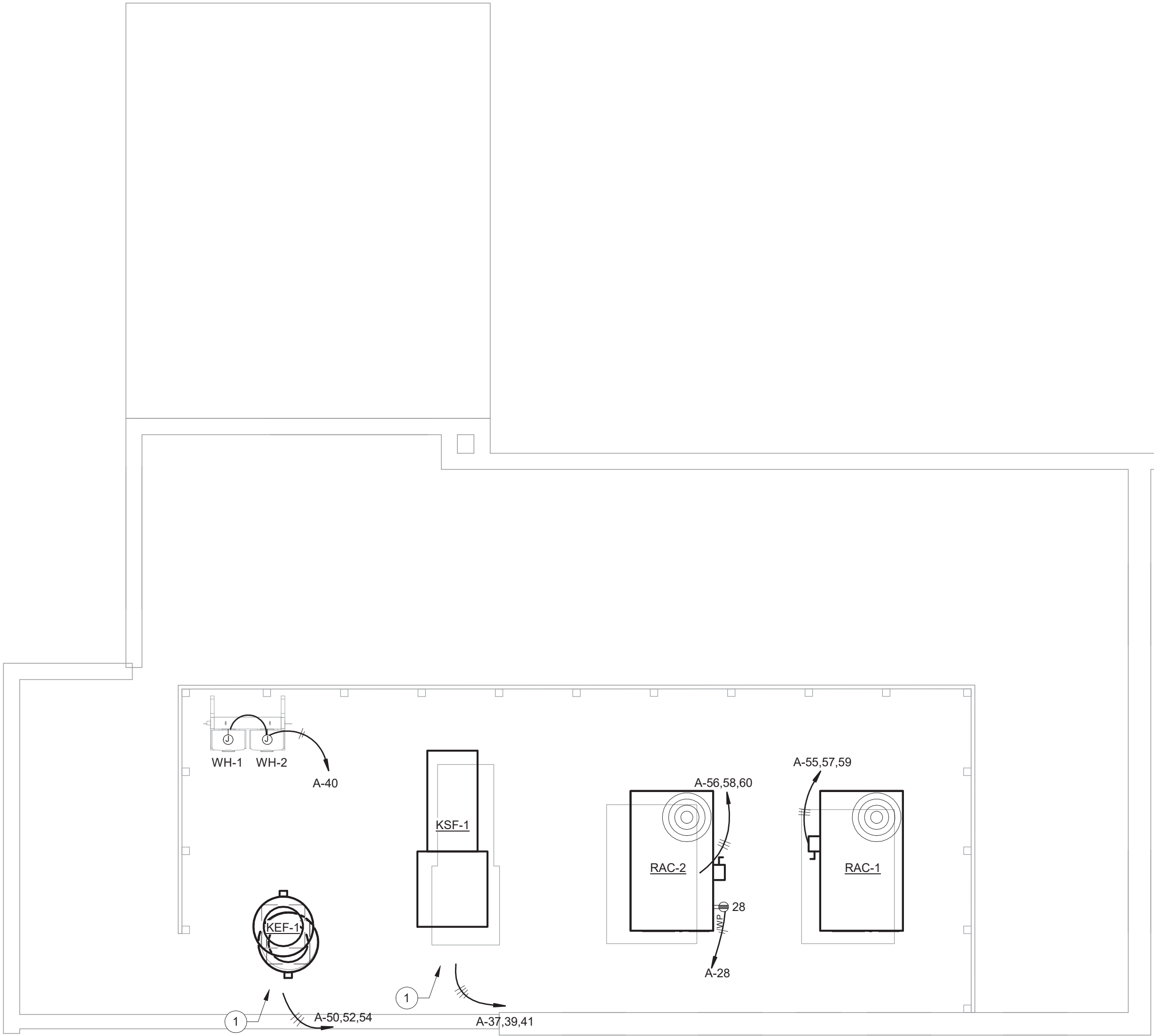
KEY NOTES

- 1 FOR BUILDING SIGNAGE. COORDINATE MOUNTING HEIGHT AND JUNCTION BOX LOCATION WITH SIGN INSTALLER PRIOR TO ROUGH-IN.
- 3 FOR WALL MOUNTED TV. PROVIDE RECEPTACLE AND JUNCTION BOX WITH CONDUIT TO NEAREST ACCESSIBLE CEILING FOR DATA. COORDINATE MOUNTING HEIGHT AND LOCATION WITH WALL BRACKET FOR TV.
- 4 CONNECT SHUNT TRIP TO EXHAUST HOOD ANSUL SYSTEM.
- 5 INTERLOCK EXHAUST FAN WITH BATHROOM LIGHTS SO THAT WHEN LIGHTS ARE TURNED ON, EXHAUST FAN IS RUNNING.



1 POWER PLAN
1/4" = 1'-0"

KEY NOTES	
1	CONTRACTOR TO PROVIDE CIRCUIT TO EXHAUST HOOD CONTROLLER AND CIRCUIT FROM CONTROLLER TO FAN.



1 ROOF POWER PLAN
1/4" = 1'-0"

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Drawing Title:
**ROOF POWER
PLAN**

SHEET #
E2.3

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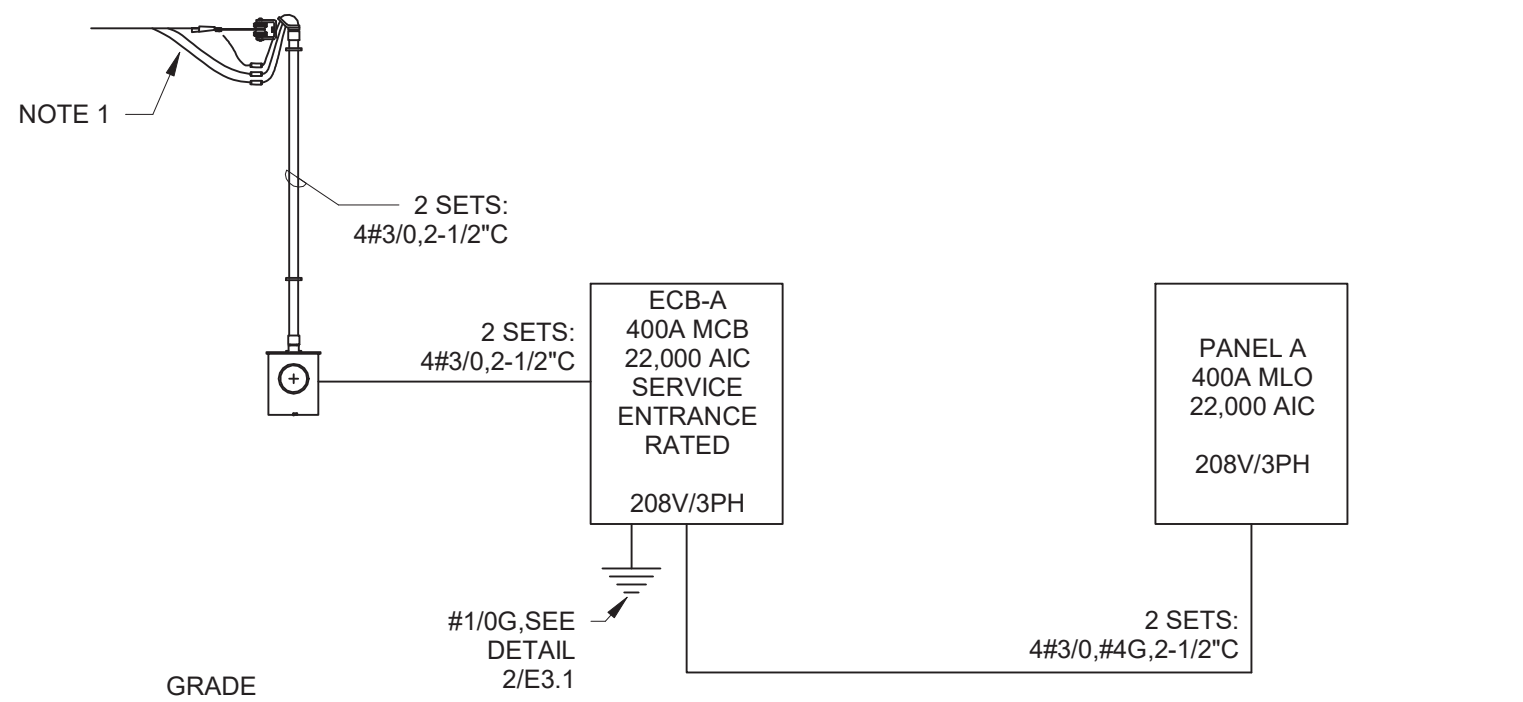
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Drawing Title:
RISER DIAGRAM
AND DETAILS

SHEET #

E3.1

NOTES:
1. PROVIDE 3' OF SLACK CONDUCTORS FOR CONNECTION TO GA POWER LINE. WEATHERHEAD AND METER SHALL COMPLY WITH GA POWER REQUIREMENTS.

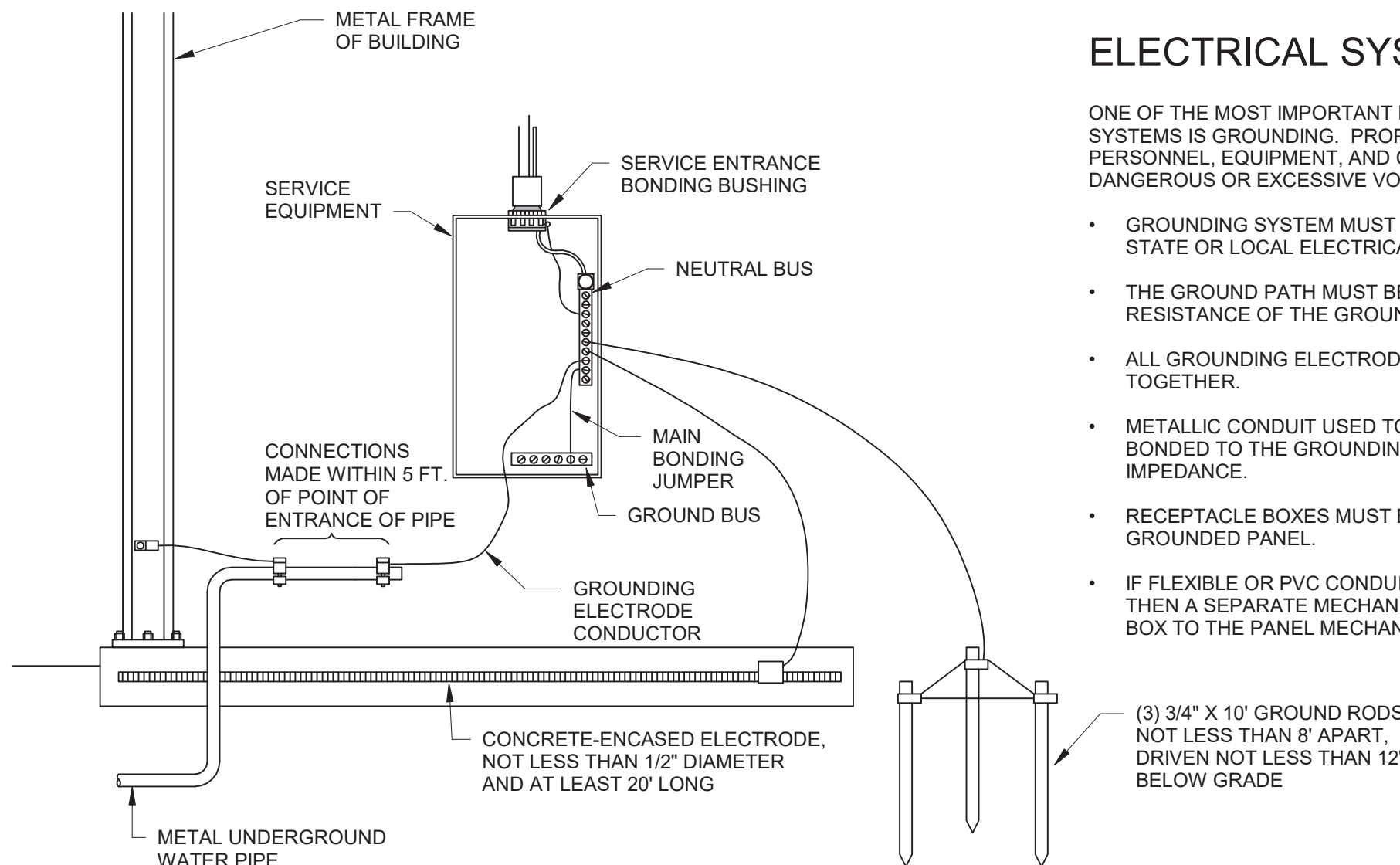


1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

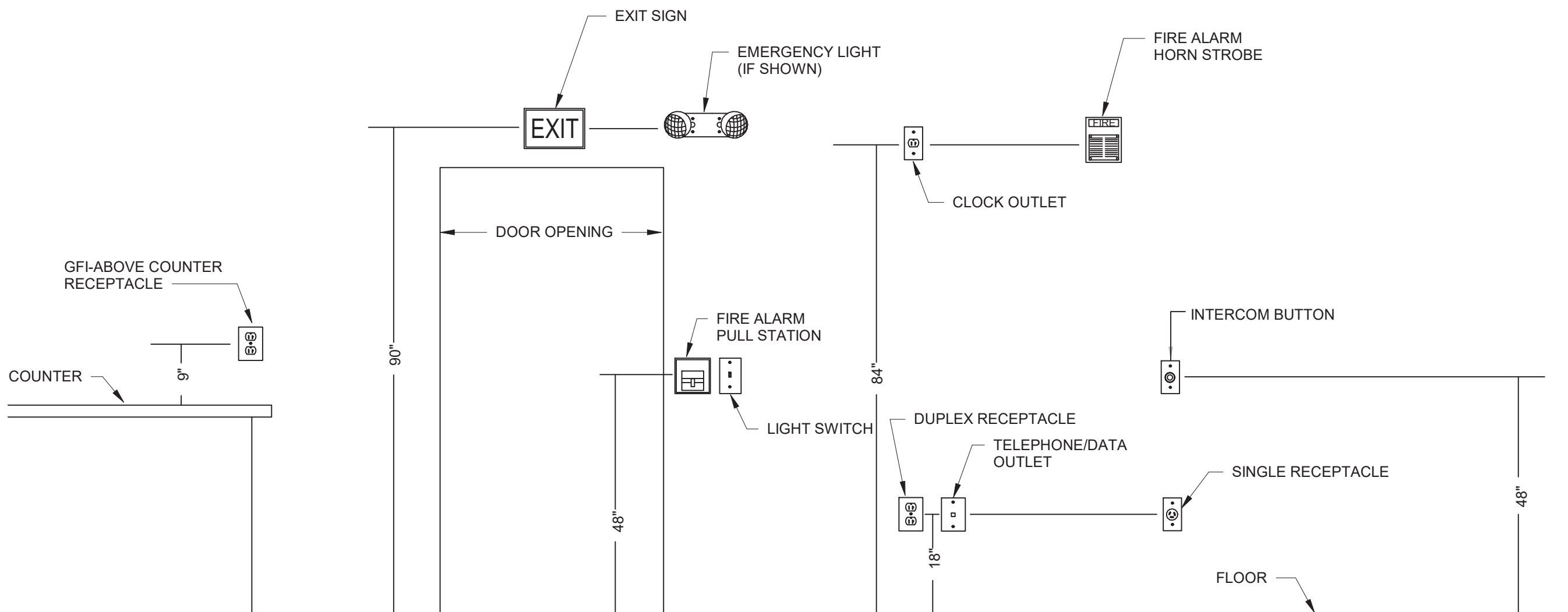
ELECTRICAL SYSTEM GROUNDING NOTES

ONE OF THE MOST IMPORTANT PARTS IN THE INSTALLATION OF ELECTRICAL SYSTEMS IS GROUNDING. PROPER GROUNDING WILL PROVIDE PROTECTION OF PERSONNEL, EQUIPMENT, AND CIRCUITS BY ELIMINATING THE POSSIBILITY OF DANGEROUS OR EXCESSIVE VOLTAGES.

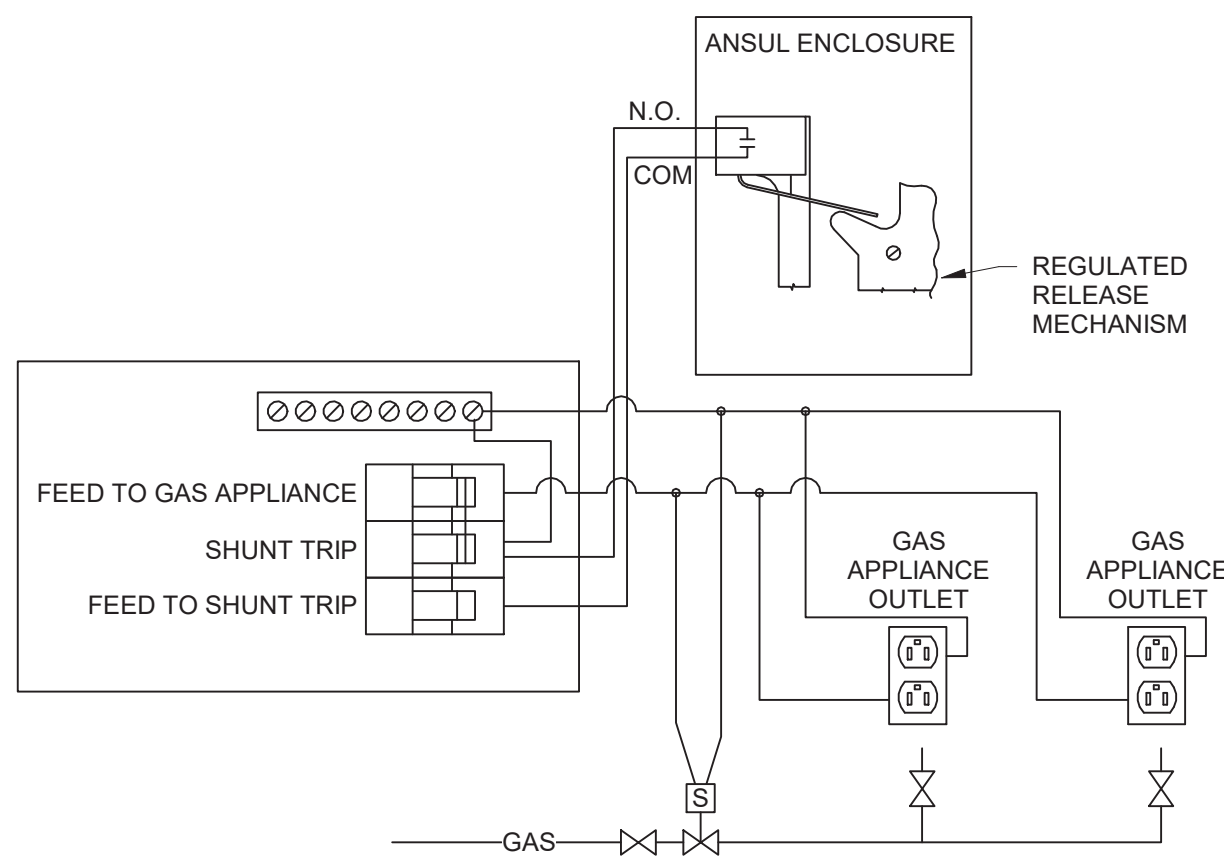
- GROUNDING SYSTEM MUST BE IN ACCORDANCE WITH APPLICABLE NATIONAL, STATE OR LOCAL ELECTRICAL CODES.
- THE GROUND PATH MUST BE PERMANENT AND CONTINUOUS, AND THE RESISTANCE OF THE GROUND PATHS MUST NOT EXCEED 25 OHMS.
- ALL GROUNDING ELECTRODES OF DIFFERENT SYSTEMS MUST BE BONDED TOGETHER.
- METALLIC CONDUIT USED TO ENCLOSE A GROUNDING CONDUCTOR MUST BE BONDED TO THE GROUNDING CONDUCTOR AT BOTH ENDS TO REDUCE IMPEDANCE.
- RECEPTACLE BOXES MUST BE GROUNDING BY RACEWAY BACK TO THE GROUNDED PANEL.
- IF FLEXIBLE OR PVC CONDUIT IS USED, OR WHERE REQUIRED BY LOCAL CODE, THEN A SEPARATE MECHANICAL GROUND WIRE MUST CONNECT THE OUTLET BOX TO THE PANEL MECHANICAL GROUND BUS.



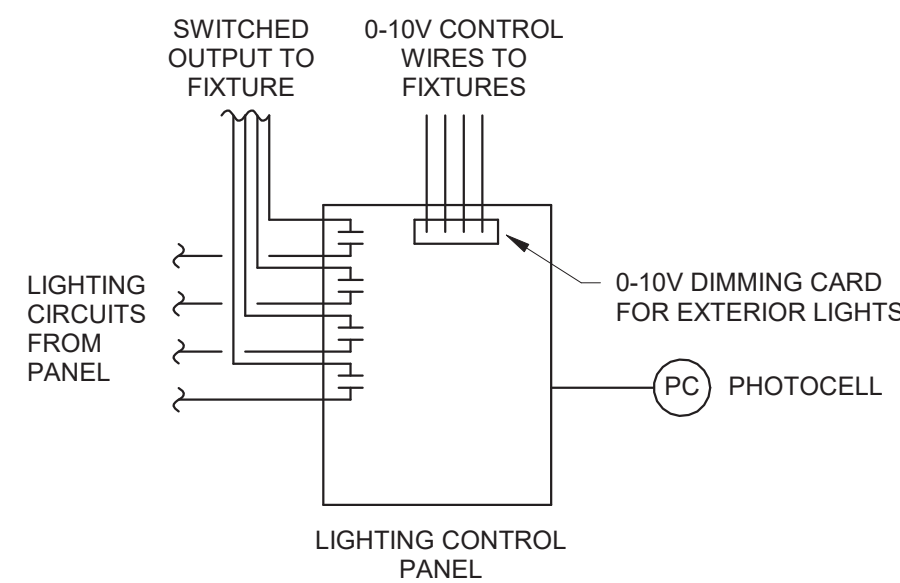
2 SERVICE GROUNDING DETAIL
NOT TO SCALE



3 TYPICAL MOUNTING HEIGHT DETAIL
NOT TO SCALE



4 SHUNT TRIP FOR GAS APPLIANCES UNDER KITCHEN HOOD
NOT TO SCALE



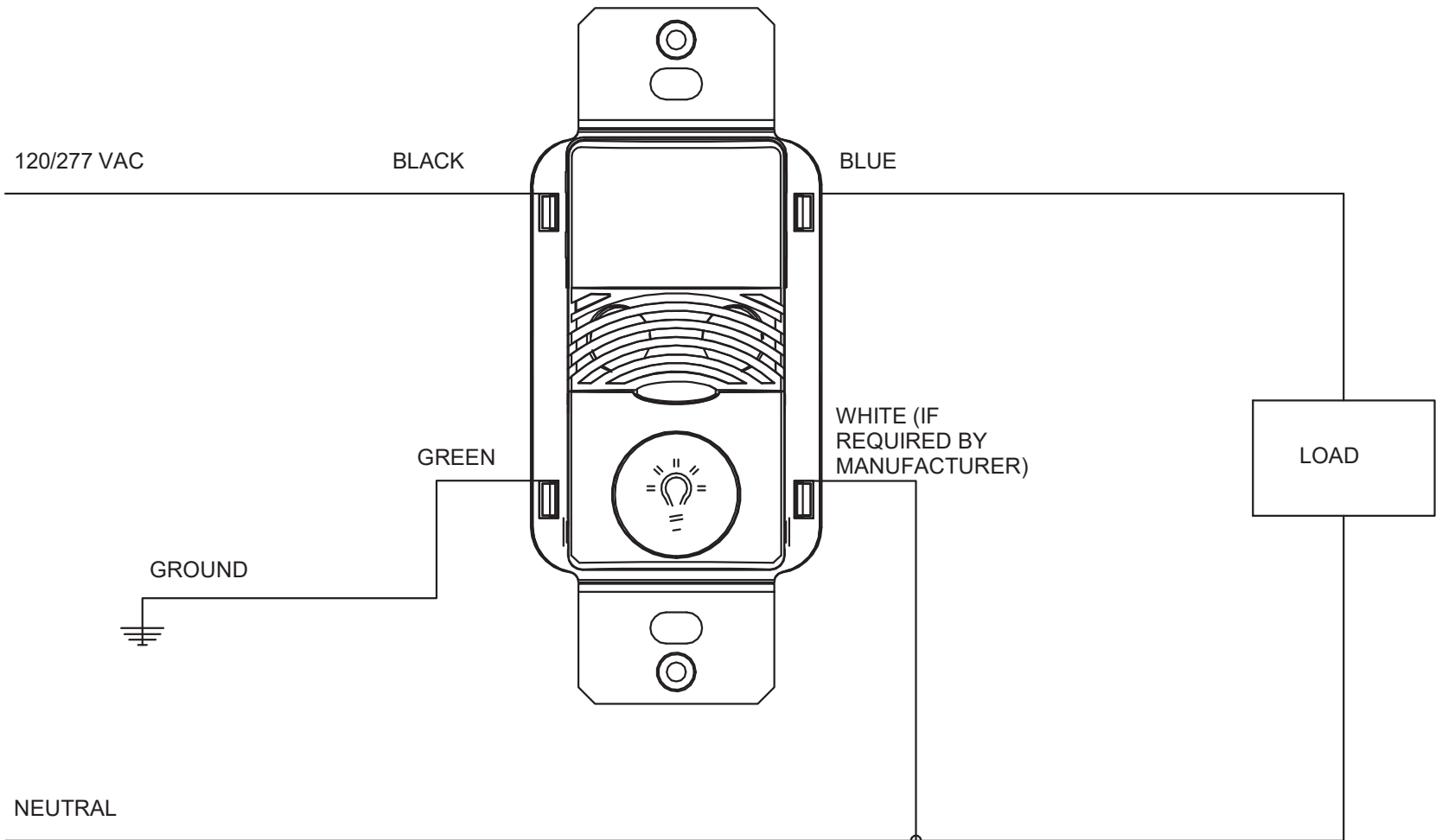
- NOTES
- LIGHTING CONTROL PANEL SHALL HAVE ASTRONOMICAL TIMECLOCK.
 - EXTERIOR LIGHTING CIRCUITS SHALL TURN ON WITH PHOTOCELL WHEN NOT ENOUGH LIGHT IS PRESENT AND REDUCE BY 30% BETWEEN HOURS OF 12AM AND 6AM. AT 6AM EXTERIOR LIGHTS CAN INCREASE TO 100% UNTIL THEY TURN OFF WHEN ENOUGH LIGHT IS PRESENT.
 - LIGHTING EXEMPT FROM REDUCING BY 30% IS LIGHTING INTEGRAL TO SIGNAGE AND LIGHTING FOR COVERED VEHICLE ENTRANCES OR EXITS.
 - FACADE AND LANDSCAPE LIGHTING SHALL BE TURNED OFF BETWEEN THE HOURS OF 12AM AND 6AM.
 - INTERIOR LIGHTING SHALL BE TIME-ON/TIME-OFF PROGRAMMING. LOCAL MEANS OF SWITCHING EACH ZONE WILL BE PROVIDED DOWNSTREAM OF THE TIMECLOCK.

1 LIGHTING CONTROL DETAIL
NOT TO SCALE

LIGHTING CONTROL SCHEDULE				
ZONE	DESCRIPTION	CIRCUIT	CONTROL TYPE	NOTES
1	EXTERIOR LIGHTING	A-5	PHOTO-ON /PHOTO-OFF W/ DIMMING	2
2	INTERIOR LIGHTING	A-1	TIME-ON /TIME-OFF	5
3	INTERIOR LIGHTING	A-3	TIME-ON /TIME-OFF	5
4	SIGNAGE	A-20	TIME-ON /TIME-OFF	
5	SIGNAGE	A-22	TIME-ON /TIME-OFF	
6	SIGNAGE	A-23	TIME-ON /TIME-OFF	
7	SIGNAGE	A-25	TIME-ON /TIME-OFF	
8	SPARE			

- VACANCY (MANUAL ON/AUTO OFF) MODE
- SWITCH IS REQUIRED TO TURN LOAD ON.
 - LOAD TURNS OFF WHEN SENSOR TIMES OUT OR WITH SWITCH.

- OCCUPANCY (AUTO ON/AUTO OFF) MODE
- WHEN SENSOR ACTIVATES, LOAD TURNS ON.
 - SWITCH CAN BE USED TO TURN LOAD ON OR OFF.



2 WALL MOUNTED OCCUPANCY/VACANCY SENSOR
NOT TO SCALE

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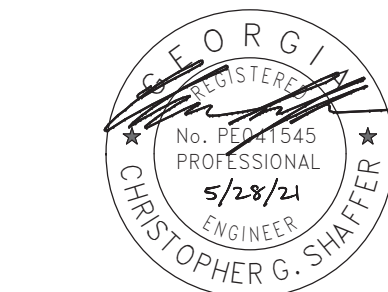
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Drawing Title:
ELECTRICAL
DETAILS

SHEET #

E3.2

Panel: A						Volts: 120/208 Wye				A.I.C. Rating: 22,000			
Mains Rating: 400 A						Phases: 3				Mounting: Surface			
Mains Type: MLO						Wires: 4				Estimated Demand: 53824 VA			
Enclosure: NEMA 1													
CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1	LIGHTING	20 A	1	1071	360					1	20 A	RECEPTACLE COOK/EXPO 109	2
3	LIGHTING	20 A	1			1104	--			1	--	SHUNT TRIP	4
5	EXTERIOR LIGHTING	20 A	1					215	360	1	20 A	RECEPTACLE COOK/EXPO 109	6
7	KITCHEN RECEPTACLES	20 A	1	720	--					1	--	SHUNT TRIP	8
9	EQ4-PREP TABLE	20 A	1			936							10
11	RECEPTACLE PREP KITCHEN 107	20 A	1					540	540	1	20 A	RECEPTACLE ROOM 106, 105, 103, 104	12
13	EQ5-ICE MACHINE	20 A	1	828	1260					1	20 A	RECEPTACLE	14
15	RECEPTACLE PREP KITCHEN 107	20 A	1			360	720			1	20 A	RECEPTACLE CASH WRAP 108	16
17	RECEPTACLE	20 A	1					1080	360	1	20 A	RECEPTACLE CASH WRAP 108	18
19	RECEPTACLE	20 A	1	360	1200					1	20 A	SIGNAGE	20
21	RECEPTACLE	20 A	1			540	1200			1	20 A	SIGNAGE	22
23	SIGNAGE	20 A	1					1200	360	1	20 A	EXTERIOR RECEPTACLES	24
25	EQ7-REACH-IN FREEZER	15 A	1	1332	0					1	20 A	SPARE	26
27						1633	180			1	20 A	ROOFTOP RECEPTACLE	28
29	EQ6- WALK-IN COOLER	20 A	2					1633					30
31	SPACE	--	1	--	0					1	20 A	SPARE	32
33	SPACE	--	1			--	0			1	20 A	SPARE	34
35	LIGHTING CONTACTOR PANEL	20 A	1					500	0	1	20 A	SPARE	36
37				456	1200					1	20 A	EQ8-EXHAUST HOOD	38
39	KSF-1	15 A	3			456	1920			1	20 A	WH-1 & WH-2	40
41								456	4150				42
43	SHUNT TRIP	--	1	--	4150					2	40 A	IWH-1, NOTE 1	44
45	SPACE	--	1			--	--			1	--	SPACE	46
47	SPACE	--	1					--	--	1	--	SPACE	48
49	SPACE	--	1	--	793								50
51	SPACE	--	1			--	793			3	15 A	KEF-1	52
53	SPACE	--	1					--	793				54
55				2495	3144								56
57	RAC-1	30 A	3			2495	3144			3	40 A	RAC-2	58
59								2495	3144				60
Total Load:				19369 VA		15474 VA		17826 VA					
Total Amps:				164 A		129 A		152 A					
Notes:													
1. PROVIDE PERMANENT BREAKER LOCK.													

KITCHEN EQUIPMENT RATINGS AND CONNECTIONS SCHEDULE											
EQUIPMENT TAG	DESCRIPTION	VOLTS	PH	TOTAL AMPS	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES	PANEL	CIRCUIT
EQ4	SANDWICH & SALAD PREP TABLE	120 V	1	8 A	9.75	20/1	NEMA 5-20R	2#12,#12G,1/2"C		A	9
EQ5	ICE MACHINE	120 V	1	7 A	8.6	15/1	NEMA 5-20R	2#12,#12G,1/2"C		A	13
EQ6	WALK-IN COOLER/FREEZER	208 V	1	16 A	19.6	20/2	NEMA 6-20R	2#12,#12G,1/2"C		A	27,29
EQ7	REACH-IN FREEZER	120 V	1	11 A	13.9	15/1	NEMA 5-20R	2#12,#12G,1/2"C		A	25
EQ8	EXHAUST HOOD	120 V	1	10 A		20/1	NEMA 5-20R	2#12,#12G,1/2"C		A	38

MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS SCHEDULE										
EQUIPMENT TAG	VOLTS	PH	TOTAL AMPS	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES	PANEL	CIRCUIT

EXHAUST FAN

EF-1	120 V	1	0 A	.52	15/1	INTEGRAL	2#12,#12G,1/2"C		A	1
EF-2	120 V	1	0 A	.52	15/1	INTEGRAL	2#12,#12G,1/2"C		A	1

INSTANTANEOUS WATER HEATER

IWH-1	208 V	1	40 A	39.9	40/2	BREAKER LOCK IN PANEL A	2#8,#10G,3/4"C		A	42,44
WH-1	120 V	1	8 A	8.0	20/1	SWITCH IN WEATHERPROOF ENCLOSURE	2#12,#12G,1/2"C		A	40
WH-2	120 V	1	8 A	8.0	20/1	SWITCH IN WEATHERPROOF ENCLOSURE	2#12,#12G,1/2"C		A	40

KITCHEN EXHAUST FAN

KEF-1	208 V	3	7 A	8.25	15/3	30/3/3R	3#12,#12G,1/2"C		A	50,52,54
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KITCHEN SUPPLY FAN

KSF-1	208 V	3	4 A	4.8	15/3	30/3/3R	3#12,#12G,1/2"C		A	37,39,41
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ROOFTOP UNIT

RAC-1	208 V	3	21 A	24.0	30/3	30/3/3R	3#10,#10G,3/4"C		A	55,57,59
RAC-2	208 V	3	26 A	30.0	40/3	60/3/3R	3#8,#10G,3/4"C		A	56,58,60

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ELECTRICAL
SCHEDULES

SHEET #

E4.1

ROOFTOP AIR CONDITIONER SCHEDULE											
ITEM	AIRFLOW CFM		EXT. STATIC IN. WG	COOLING CAPACITY @ 95°F O.A.				GAS INPUT MBH	GAS OUTPUT MBH	EFFICIENCY	REMARKS
	TOTAL	O.A.		TOTAL MBH	SENS. MBH	ENTERING AIR					
						DB°F	WB°F				
RAC-1	1600	200	1.0	48	34	80	67	72	59	15.6 SEER	CARRIER 48HC DEHUM
RAC-2	2000	250	1.0	57	43	80	67	72	59	15.2 SEER	CARRIER 48HC

1. INSTALL AN AIR TREATMENT DEVICE IN EACH RAC UNIT.

FAN SCHEDULE							
ITEM	AIRFLOW CFM	EXT. STATIC IN. WG	TYPE	MAX. SONE RATING	MAX. FAN RPM	MAX. MOTOR HP	REMARKS
EF-1	50	0.25	CEILING CENTRIFUGAL DIRECT DRIVE	1.0	850	14 W	GREENHECK SP INTERLOCK W/LIGHTS
KEF-1	2,680	1.25	ROOFTOP CENTRIFUGAL UPBLAST, DIRECT DRIVE	14.9	1181	1.5	CAPTIVEAIRE DU180HFA KITCHEN HOOD FAN SWITCH
KSF-1	2,280	0.5	ROOFTOP CENTRIFUGAL SUPPLY CABINET, DIRECT DRIVE	8.5	924	1.0	CAPTIVEAIRE A2-20D INTERLOCK W/ KEF-1

1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS.
2. PROVIDE DEMAND CONTROL VENTILATION FOR KEF AND KSF EQUIPMENT.

AIR DISTRIBUTION SCHEDULE	
DESIGNATION	DESCRIPTION
A	6" ROUND NECK, SQUARE 2'x2' PERFORATED FACE DIFFUSER
B	8" ROUND NECK, SQUARE 2'x2' PERFORATED FACE DIFFUSER
C	4" ROUND NECK, SQUARE 1'x1' PLAQUE FACE DIFFUSER
D	6" ROUND NECK, ROUND PLAQUE FACE DIFFUSER
E	16"x6" SIDEWALL SUPPLY GRILLE
F	12"x8" SIDEWALL SUPPLY GRILLE
M	2'x2' EGGCRATE RETURN GRILLE, LAY-IN PANEL
N	2'x2' EGGCRATE RETURN GRILLE, FLANGED FRAME

MECHANICAL LEGEND				
ABBREVIATION	SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION
		SUPPLY AIR DUCT	CO	CARBON MONOXIDE DETECTOR
		RETURN AIR DUCT OR EXHAUST DUCT	CO ₂	CARBON DIOXIDE DETECTOR
		X=DIFFUSER TYPE / Y=THROW	AHU	AIR HANDLING UNIT
		Z=AIRFLOW, CFM	ATU	AIR TERMINAL UNIT
MD		MANUAL DAMPER	FCU	FAN COIL UNIT
		MOTORIZED DAMPER	P	PUMP
VAVD		VARIABLE AIR VOLUME DAMPER	VSD	VARIABLE SPEED DRIVE
FD		FIRE DAMPER	H	HUMIDIFIER
SD		SMOKE DAMPER	SAV	STAGED AIR VOLUME
		TURNING VANES	DEHUM	DEHUMIDIFICATION
		FLEXIBLE DUCT CONNECTION	HP	SPLIT SYSTEM HEAT PUMP
		THERMOSTAT/TEMPERATURE SENSOR	AH	SPLIT SYSTEM AIR HANDLER
		HUMIDISTAT/HUMIDITY SENSOR	RHP	ROOFTOP HEAT PUMP
		COMBO TEMP./HUMIDITY SENSOR	RAC	ROOFTOP AIR CONDITIONER
		DUCT SMOKE DETECTOR	CU	SPLIT SYSTEM CONDENSING UNIT
		CONNECT TO EXISTING	CC	SPLIT SYSTEM COOLING COIL
DIA		DIAMETER	MAU	MAKEUP AIR UNIT
		EXTERIOR DUCTWORK	EH	ELECTRIC HEATER
		SPIRAL DUCTWORK	EF	EXHAUST FAN
		DOUBLE-WALL DUCTWORK	SF	SUPPLY FAN
		LINED DUCTWORK	VRF	VARIABLE REFRIGERANT FLOW
		FABRIC DUCT	VAH	VRF AIR HANDLER
		HVAC DRAIN PIPING	VHP	VRF HEAT PUMP
		GAS PIPING	AD	ACCESS DOOR
		REFRIGERANT PIPING	DB	DRY BULB
		PIPE ANCHOR	WB	WET BULB
		MANUAL AIR VENT	BTU	BRITISH THERMAL UNIT
		SHUTOFF VALVE	MBH	THOUSAND BTU PER HOUR
		EXPANSION JOINT	HP	HORSE POWER
		EXPANSION LOOP	KW	KILOWATT
OA		OUTSIDE AIR	SP	STATIC PRESSURE
UG		UNDERGROUND	TYP.	TYPICAL
W/		WITH	UNO.	UNLESS NOTED OTHERWISE
AFF		ABOVE FINISH FLOOR	RH	ROOF HOOD
CFM		CUBIC FEET PER MINUTE	GPM	GALLONS PER MINUTE

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Drawing Title:
MECHANICAL
LEGEND &
SCHEDULES
SHEET #
M0.1

MECHANICAL SPECIFICATIONS

GENERAL PROVISIONS

IMPOSED REGULATIONS: APPLICABLE PROVISIONS OF THE STATE AND LOCAL CODES AND OF THE FOLLOWING CODES AND STANDARDS, IN ADDITION TO THOSE LISTED ELSEWHERE IN THE SPECIFICATIONS, ARE HEREBY IMPOSED ON A GENERAL BASIS FOR MECHANICAL WORK:

INTERNATIONAL MECHANICAL CODE - 2018 EDITION
INTERNATIONAL FUEL GAS CODE - 2018 EDITION

SCOPE OF WORK: PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION TO CONSTRUCT COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. ALL MATERIALS AND EQUIPMENT USED SHALL BE NEW, UNDAMAGED AND FREE FROM ANY DEFECTS.

PRODUCT WARRANTIES: PROVIDE MANUFACTURER'S STANDARD PRINTED COMMITMENT IN REFERENCE TO A SPECIFIC PRODUCT AND NORMAL APPLICATION, STATING THAT CERTAIN ACTS OF RESTITUTION WILL BE PERFORMED FOR THE PURCHASER OR OWNER BY THE MANUFACTURER, WHEN AND IF THE PRODUCT FAILS WITHIN CERTAIN OPERATIONAL CONDITIONS AND TIME LIMITS. WHERE THE WARRANTY REQUIREMENTS OF A SPECIFIC SPECIFICATION SECTION EXCEEDS THE MANUFACTURER'S STANDARD WARRANTY, THE MORE STRINGENT REQUIREMENTS WILL APPLY AND MODIFIED MANUFACTURER'S WARRANTY SHALL BE PROVIDED. IN NO CASE SHALL THE MANUFACTURER'S WARRANTY BE LESS THAN ONE (1) YEAR.

ELECTRICAL WORK: COORDINATE THE MECHANICAL WORK WITH ELECTRICAL WORK, AND PROPERLY INTERFACE WITH THE ELECTRICAL SERVICE. IN GENERAL, AND EXCEPT AS OTHERWISE INDICATED, INSTALL MECHANICAL EQUIPMENT READY FOR ELECTRICAL CONNECTION. REFER TO ELECTRICAL SECTIONS OF THE SPECIFICATIONS FOR ELECTRICAL CONNECTION OF MECHANICAL EQUIPMENT.

THE PLANS SHOW THE GENERAL ARRANGEMENT AND LOCATIONS OF MECHANICAL WORK. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL INSTALLATION WITH THE STRUCTURE AND ALL OTHER TRADES. PERFORM ALL WORK IN ACCORDANCE WITH CURRENT STATE AND LOCAL CODES. SUBMIT PDF FILES OF MANUFACTURER'S DATA PRIOR TO EQUIPMENT PURCHASES.

COORDINATE THE ACTUAL LOCATION OF ALL MECHANICAL WORK VISIBLE IN FINISHED SPACES WITH THE ARCHITECT. THIS INCLUDES AIR DISTRIBUTION DEVICES, EXPOSED DUCTWORK, THERMOSTATS, HUMIDISTATS, SWITCHES, SENSORS, ETC. ALL THERMOSTATS AND WALL-MOUNTED SENSORS SHALL BE INSTALLED A MAXIMUM OF 48" AFF.

THE CONTRACTOR SHALL FURNISH DETAILED SHOP DRAWINGS OF ALL FIRESTOPPING DETAILS TO BE USED FOR BOTH PIPING AND DUCTWORK. ALL FIRESTOPPING DETAILS SHALL BE U.L. LISTED AND SUBJECT TO APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

WIND ANCHORAGE REQUIREMENTS SHALL BE SUBMITTED FOR ALL CURB MOUNTED EQUIPMENT AND ROOF MOUNTED EQUIPMENT. FASTENERS SHALL BE SELECTED AND DETAILED FOR CURB CONNECTIONS TO THE BUILDING STRUCTURE AND ALSO FOR EQUIPMENT CONNECTIONS TO THE CURB.

PROVIDE A TEST AND BALANCE REPORT.

SUBMIT O&M MANUAL AND EQUIPMENT WARRANTIES UPON COMPLETION OF WORK.

MECHANICAL IDENTIFICATION MATERIALS:

ENGRAVED PLASTIC-LAMINATE LABELS: PROVIDE ENGRAVING STOCK MELAMINE PLASTIC LABELS FOR PERMANENT MOUNTING ON MECHANICAL EQUIPMENT. INDICATE UNIT NAME, NUMBER, AND ELECTRICAL PANEL SERVING THE EQUIPMENT.

PIPING:

HVAC DRAIN PIPING: HVAC DRAIN LINES SHALL BE SCHEDULE 40 PVC WITH SOCKET TYPE FITTINGS AND SOLVENT CEMENT. INDOOR HVAC DRAIN LINES INDOORS SHALL HAVE 1" FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER. SUSPEND INDOOR HVAC DRAIN PIPING ON CLEVIS HANGERS WITH INSULATION SHIELDS. SUPPORT OUTDOOR HVAC DRAIN PIPING ON NON-PENETRATING PIPE PEDESTALS. LOCATE EQUIPMENT AND ASSOCIATED DUCTWORK AND PIPING TO PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES. PVC HVAC DRAIN LINES OUTDOORS SHALL RECEIVE 2 COATS OF WHITE LATEX PAINT TO PREVENT UV DEGRADATION.

DUCTWORK AND ACCESSORIES:

DUCTWORK SHOWN ON THE PLANS IS SIZED AND ROUTED BASED ON INFORMATION AVAILABLE DURING THE DESIGN PHASE FOR CEILING HEIGHTS, STRUCTURAL MEMBERS, ETC. ALL DUCT SIZES AND ROUTINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION. WHERE CONFLICTS ARISE, REFER TO THE ENGINEER.

CONCEALED SUPPLY AIR DUCTS AND RETURN AIR DUCTS SHALL BE GALVANIZED STEEL INSULATED WITH 2" THICK R-6.7 FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE FLEXIBLE CONNECTIONS AT ALL UNIT SUPPLY AIR AND RETURN AIR TRUNK DUCTS. EXPOSED ROUND DUCTS SHALL BE THE INSULATED DOUBLE-WALL SPIRAL SEAM TYPE WITH 1" INSULATION. PROVIDE PAINT GRIP FINISH WITH FINAL COLOR TO BE SELECTED BY ARCHITECT/INTERIOR DESIGNER. ALL DUCTS SHALL BE FABRICATED AND INSTALLED PER SMACNA STANDARDS FOR 2" STATIC PRESSURE RATING.

AIR DISTRIBUTION DEVICES:

AIR DISTRIBUTION DEVICES SHALL BE ALUMINUM BY *METALAIR*, *KRUEGER*, *TITUS* OR *PRICE* AND SHALL BE SUBMITTED FOR APPROVAL BEFORE ORDERING. ARCHITECT SHALL APPROVE COLOR AND FINISH OF ALL AIR DISTRIBUTION DEVICES.

FANS:

EXHAUST FANS SHALL BE BY *GREENHECK*, *COOK* OR *PENN*. PROVIDE DISCONNECT SWITCH, ROOF CURB, AND BACKDRAFT DAMPER. ALL CURB MOUNTED EQUIPMENT SHALL BE INSTALLED TO MEET SPECIFIED WIND RATING.

AIR TREATMENT SYSTEMS:

ALL AIR HANDLERS AND ROOFTOP UNITS SHALL BE EQUIPPED WITH BIPOLAR IONIZATION AIR TREATMENT DEVICES INSTALLED AT THE SUPPLY FAN INLET. AIR TREATMENT DEVICES SHALL BE BY *GLOBAL PLASMA SOLUTIONS*, *PLASMA AIR* OR *BIOCLIMATIC*. DEVICES SHALL BE 24 VAC AND BE CONNECTED TO THE EQUIPMENT CONTROL CIRCUIT.

ROOFTOP UNITS:

ROOFTOP AIR CONDITIONERS SHALL BE BY CARRIER, TRANE, OR DAIKIN. REFER TO THE EQUIPMENT SCHEDULE FOR CAPACITIES. PROVIDE GAS HEATING AND DEHUMIDIFICATION. PROVIDE PROGRAMMABLE THERMOSTATS. SINGLE POINT POWER SUPPLY, ROOF CURB AND PLEATED MERV 7 FILTERS. PROVIDE 4-YEAR EXTENDED WARRANTY ON COMPRESSOR PARTS. WHERE HUMIDISTATS ARE SHOWN, THEY MAY BE COMBINED WITH THE THERMOSTAT OR FURNISHED SEPARATELY. PROVIDE CONTROLS AND ALL ACCESSORIES NEEDED FOR COMPLETE, OPERABLE SYSTEMS.

ROOF AIR CONDITIONERS SHALL BE MOUNTED ON MATCHING ROOF CURBS WITH VIBRATION ISOLATION RAILS. SPRING DEFLECTION SHALL BE 2". VIBRATION ISOLATION RAILS SHALL BE BY KINETICS, MGM PRODUCTS, AEROSONICS, VIBRO-ACOUSTICS OR ALADDIN.

HVAC DRAIN LINES SHALL BE SCHEDULE 40 PVC WITH SOCKET TYPE FITTINGS AND SOLVENT CEMENT. SUPPORT OUTDOOR HVAC DRAIN PIPING ON NON-PENETRATING PIPE PEDESTALS. LOCATE EQUIPMENT AND ASSOCIATED DUCTWORK AND PIPING TO PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES. PVC HVAC DRAIN LINES OUTDOORS SHALL RECEIVE 2 COATS OF WHITE LATEX PAINT TO PREVENT UV DEGRADATION.

KITCHEN VENTILATION SYSTEM:

CAPTIVEAIRE IS THE BASIS OF DESIGN MANUFACTURER. EQUIVALENT EQUIPMENT MANUFACTURED BY ACCUREX, GREASEMASTER AND GREENHECK AND SHALL BE ACCEPTABLE.

KITCHEN HOOD: TYPE I GREASE FILTER EXHAUST HOODS: THE KITCHEN HOOD SHALL BE, WHERE EXPOSED, STAINLESS STEEL TYPE 430. THE HOOD SHALL BE THE LOW CEILING SLOPED WALL CANOPY TYPE WITH FULL VERTICAL SIDE PANELS. PROVIDE LISTED STAINLESS STEEL 2" THICK PANEL TYPE GREASE FILTERS THE FULL LENGTH OF THE HOOD. FILTERS SHALL HAVE MINIMUM 90% GREASE EXTRACTION EFFICIENCY AT 7 MICRONS. HOODS WITH CEILING MAKEUP AIR PLENUM SHALL HAVE DOUBLE WALL INSULATED FRONT. PROVIDE U.L. LISTED LED LIGHTING IN THE HOOD. A PREWIRED SWITCH PLATE SHALL BE INSTALLED ON THE FACE OF THE HOOD AND SHALL INCLUDE A FAN SWITCH WITH PILOT LIGHT AND A LIGHT SWITCH. PROVIDE AN INTEGRAL KITCHEN HOOD DEMAND CONTROL VENTILATION SYSTEM TO AUTOMATICALLY REDUCE EXHAUST AND SUPPLY AIRFLOWS BASED ON DEMAND. PROVIDE AN INTEGRAL UTILITY CABINET FOR HOOD CONTROLS AND FIRE SUPPRESSION SYSTEM.

FRONT AIR PLENUM: PROVIDE A MATCHING CEILING MOUNTED STAINLESS STEEL MAKEUP AIR PLENUM WITH FULL LENGTH, FULL PERIMETER PERFORATED FACE DISCHARGE PANELS. INTERNAL INSULATION AND SUPPLY AIR DUCT COLLARS FOR UP TO 90% MAKEUP AIR. PROVIDE A MATCHING CONDITIONED AIR PLENUM PARALLEL WITH THE MAKEUP AIR PLENUM WITH FULL PERIMETER PERFORATED FACE DISCHARGE PANELS, INTERNAL INSULATION, AND SUPPLY AIR DUCT COLLARS. PROVIDE LED LIGHTING IN THE FRONT PLENUM SECTION. SEE PLANS FOR DETAILS. THE OVERALL WIDTH OF THE PLENUM SHALL BE MINIMUM 18 INCHES ALL AROUND.

FIRE SUPPRESSION SYSTEM: FURNISH AN ANSUL WET CHEMICAL SYSTEM PROVIDING COMPLETE FIRE PROTECTION OF DUCT, HOOD, AND COOKING EQUIPMENT SURFACES. INSTALLATION SHALL BE IN COMPLIANCE WITH CHEMICAL MANUFACTURER'S U.L. LISTING. ALL PIPING SHALL BE RUN IN A CONCEALED MANNER. PIPING EXTENDING UP THROUGH CHASE TO DUCT AND HOOD NOZZLES SHALL BE FITTED WITH SLEEVES FORMING GREASE TIGHT JOINTS. EXPOSED PIPING OF SURFACE PROTECTION NOZZLES SHALL HAVE STAINLESS STEEL SLEEVES WITH CHROME PLATED ELBOWS. SYSTEM SHALL BE ACTIVATED BY FUSIBLE LINKS CONNECTED TO AN AUTOMAN RELEASE. FIT AUTOMAN RELEASE WITH AN ELECTRIC DOUBLE-POLE, DOUBLE-THROW MICROSWITCH FOR CONTROL CIRCUIT. SUPPLY FAN SHALL BE SHUT DOWN WHEN FIRE PROTECTION SYSTEM IS ACTIVATED, LEAVING THE EXHAUST FAN RUNNING. PROVIDE AUXILIARY FACTORY INSTALLED RELAYS TO AUTOMATICALLY TRIP SHUNT TRIP SAFETY DEVICES FOR ELECTRICALLY OPERATED APPLIANCES PROTECTED BY THE SYSTEM. THE DEVICES SHALL BE AS INDICATED ON THE ELECTRICAL DRAWINGS. ALSO PROVIDE A RELAY TO AUTOMATICALLY SIGNAL THE BUILDING FIRE ALARM SYSTEM. THE CHEMICAL CYLINDERS AND CONTROLS SHALL BE LOCATED IN FIRE CONTROL CABINET AT THE END OF THE KITCHEN HOOD. PROVIDE A REMOTE MANUAL PULL STATION AND INTERLOCK WITH SYSTEM.

GREASE DUCTS: KITCHEN HOOD EXHAUST DUCTS SHALL BE FABRICATED FROM 16 GAUGE BLACK STEEL AND SHALL BE INSULATED WITH TWO LAYERS OF FLEXIBLE FIRE-RATED DUCT WRAP SUITABLE FOR ZERO CLEARANCE TO COMBUSTIBLES. KITCHEN HOOD EXHAUST DUCTWORK JOINTS AND SEAMS SHALL HAVE LIQUID-TIGHT CONTINUOUS EXTERNAL WELD PER NFPA-96. ROUTE KITCHEN HOOD EXHAUST DUCTWORK AS DIRECTLY AS POSSIBLE. HORIZONTAL DUCTWORK MUST SLOPE MINIMUM 1/4" PER FOOT TO DRAIN TOWARD THE HOOD. DO NOT CREATE DIPS AND TRAPS WHICH CAN COLLECT RESIDUE. PROVIDE NFPA-96 REMOVABLE DUCT ACCESS DOORS EVERY TWELVE FEET AND AT CHANGES IN DIRECTION. ACCESS DOORS SHALL BE SIZED TO PERMIT DUCT CLEANING. CONFORM TO NFPA-96 FOR LOCATIONS AND INSTALLATION DETAILS. AT THE EXHAUST FAN, INSTALL AN APPROVED FLEXIBLE DUCT CONNECTION. ALTERNATIVELY, FURNISH DOUBLE WALL FACTORY BUILT GREASE DUCT FOR USE WITH TYPE I KITCHEN HOODS WHICH CONFORMS TO THE REQUIREMENTS OF NFPA-96. PRODUCTS SHALL BE ETL LISTED TO UL-1978 AND UL-2221 FOR VENTING AIR AND GREASE VAPORS FROM COMMERCIAL COOKING OPERATION. THE DUCT WALL ASSEMBLY SHALL BE TESTED AND LISTED AT 74" OR ZERO CLEARANCE, ACCORDING TO CLASSIFICATIONS.

KITCHEN EXHAUST FAN: THE EXHAUST FAN SHALL BE U.L. LISTED FOR GREASE DUCT USE AND SHALL BE THE UPBLAST TYPE WITH DIRECT-DRIVEN FAN WITH BACKWARD-INCLINED BLADES, CONTAINING A BUILT-IN GREASE TROUGH. PROVIDE DISCONNECT SWITCH. EXHAUST DISCHARGE SHALL BE 40 INCHES MINIMUM ABOVE THE ROOF SURFACE. FANS SHALL BE CAPABLE OF RESISTING 142 MPH WIND LOAD.

KITCHEN SUPPLY FAN: THE MAKEUP AIR SUPPLY FAN SHALL BE THE OUTDOOR TYPE AND SHALL BE ETL LISTED. UNIT SHALL BE THE FILTERED, HORIZONTAL DISCHARGE TYPE AS SHOWN ON DRAWINGS. UNIT SHALL BE OF INTERNAL FRAME TYPE CONSTRUCTION WITH G90 GALVANIZED STEEL FRAMES AND PANELS. METAL-TO-METAL SURFACES EXPOSED TO WEATHER SHALL BE SEALED. ALL COMPONENTS SHALL BE ACCESSIBLE THROUGH REMOVABLE OR HINGED DOORS. UNIT CASING SHALL BE INSULATED WITH 1 INCH FIBERGLASS LINER IN ACCORDANCE WITH NFPA 90A AND TESTED TO MEET UL 181 EROSION REQUIREMENTS. SECURE INSULATION WITH WATERPROOF ADHESIVE AND PERMANENT MECHANICAL FASTENERS. FANS SHALL BE CAPABLE OF RESISTING 142 MPH WIND LOAD.

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M0.2

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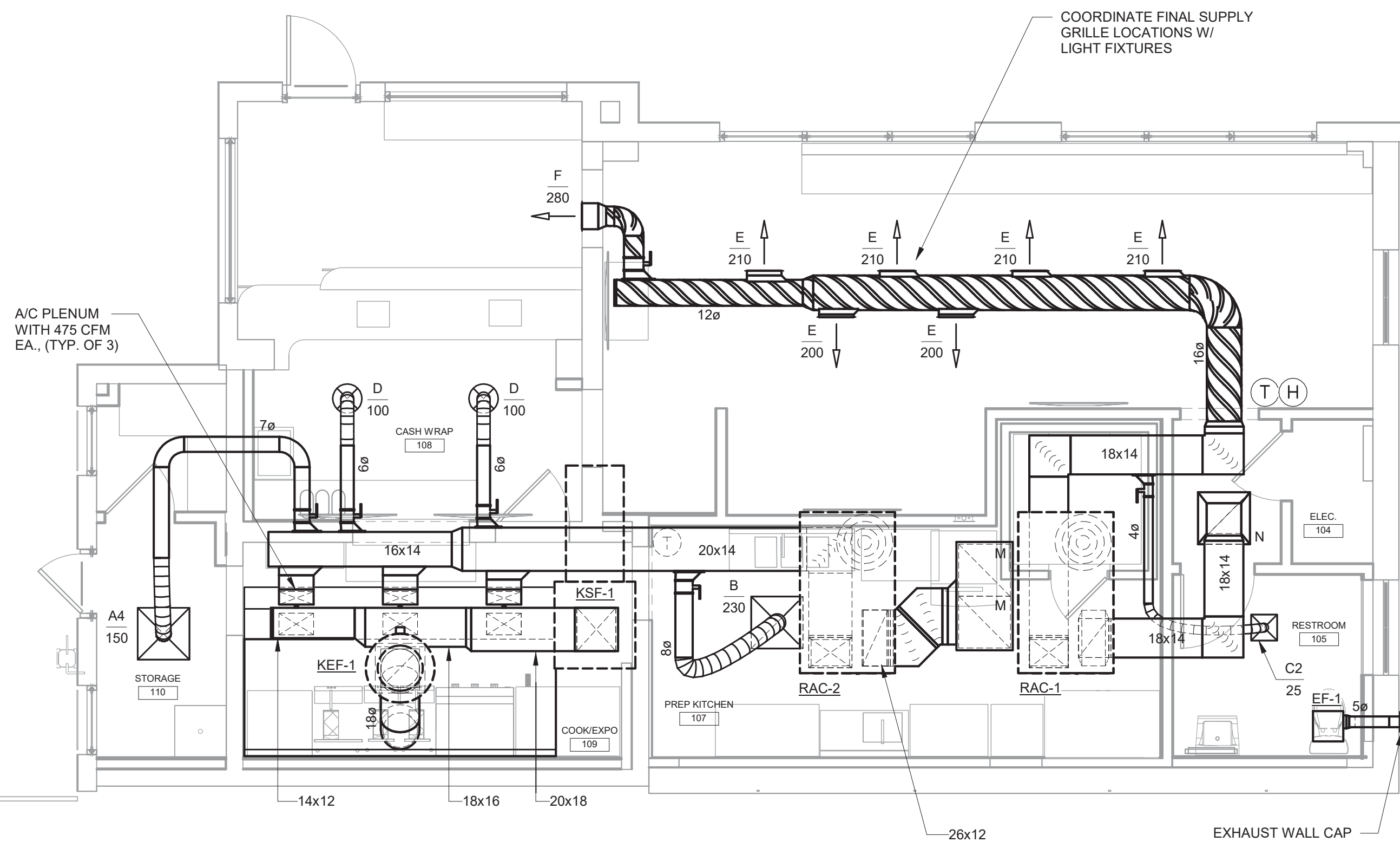
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SHEET #

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GARY GORDON

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Issued For: 100%

Issued Date: 5.16.2021

Revision:
Date:

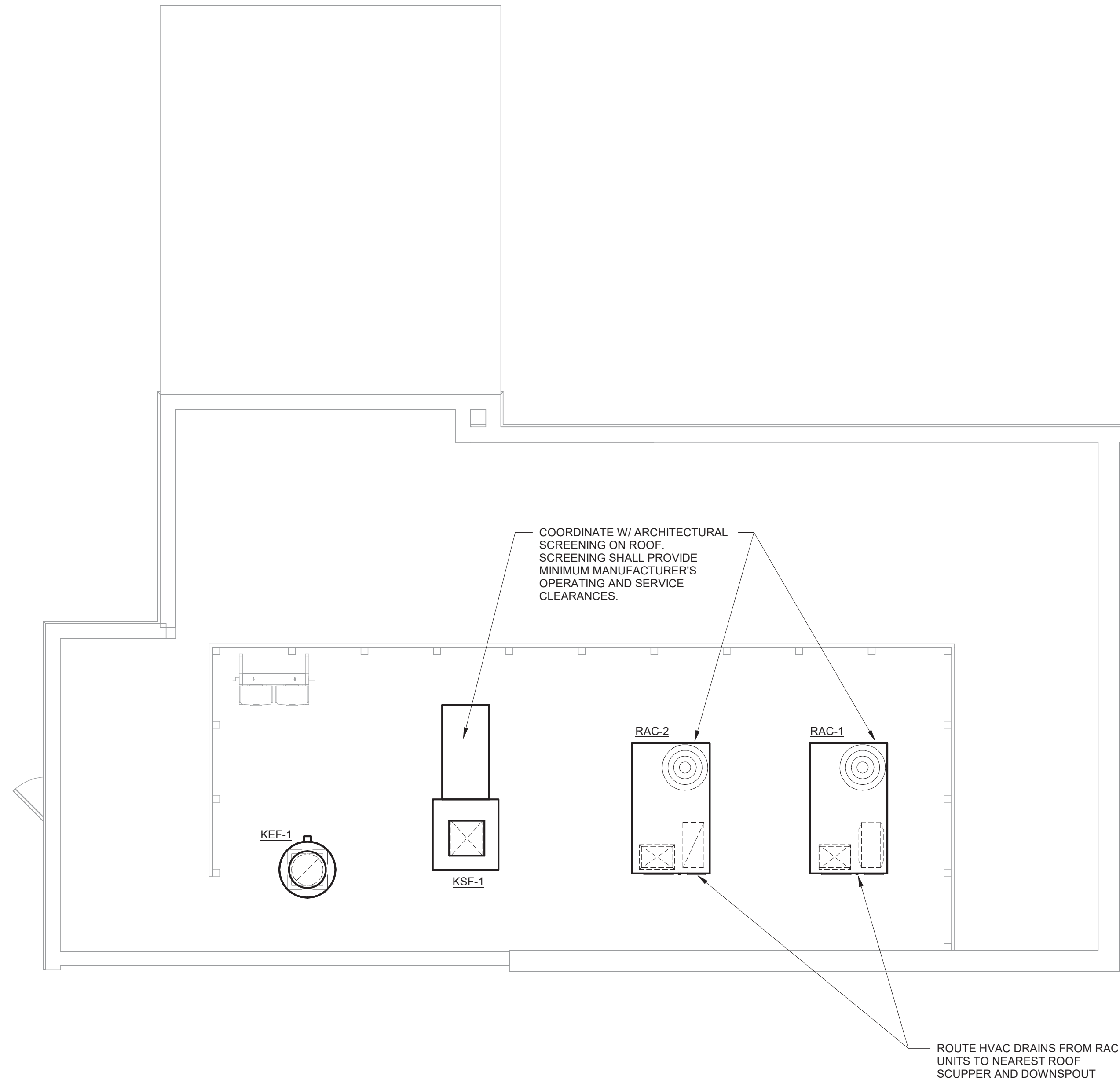


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Drawing Title:
ROOF
MECHANICAL PLAN

SHEET #
M1.3



① ROOF MECHANICAL PLAN
1/4" = 1'-0"

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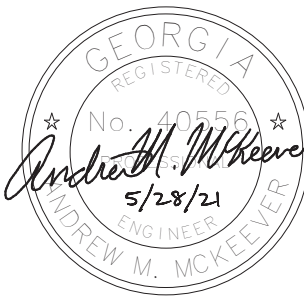
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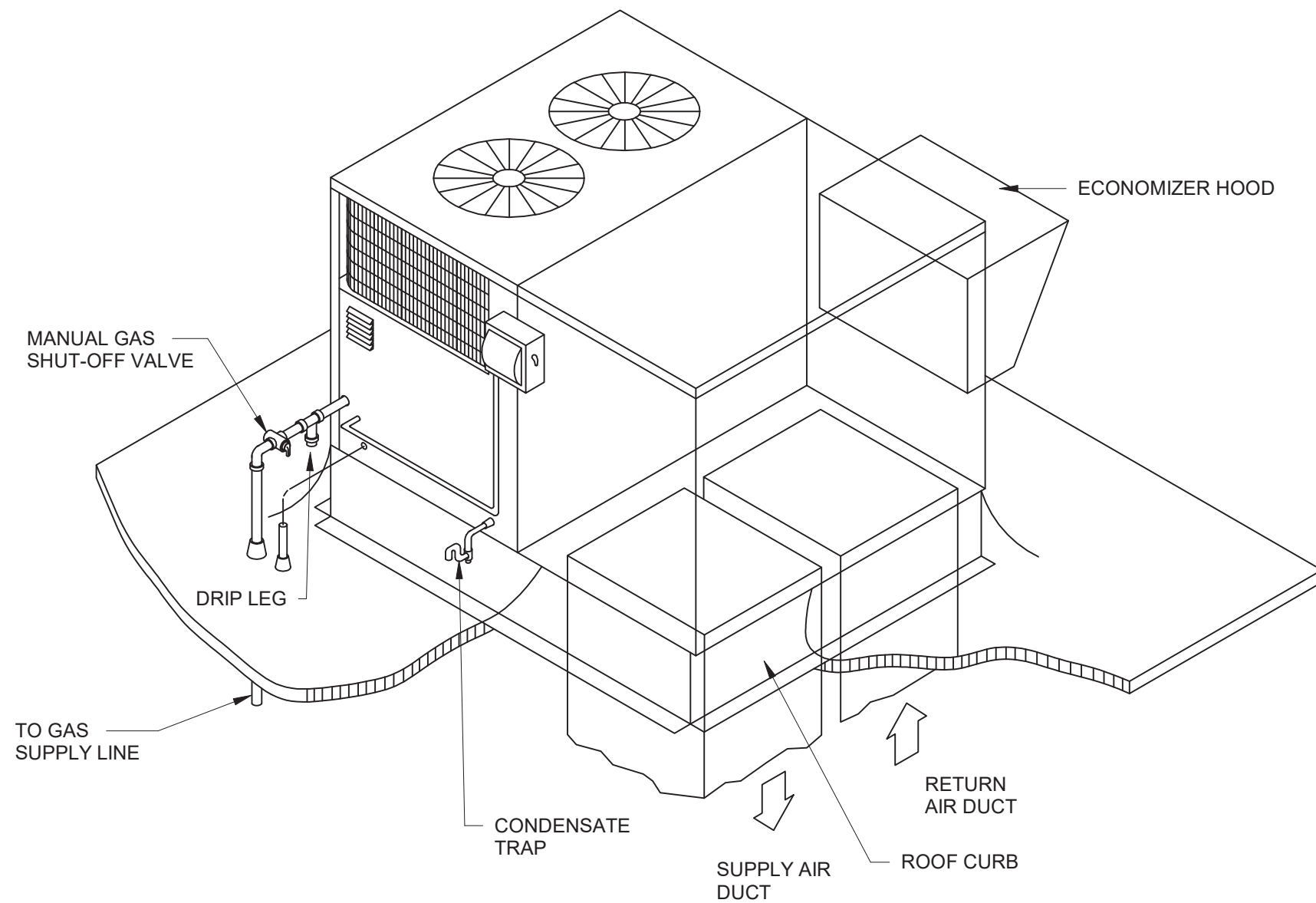
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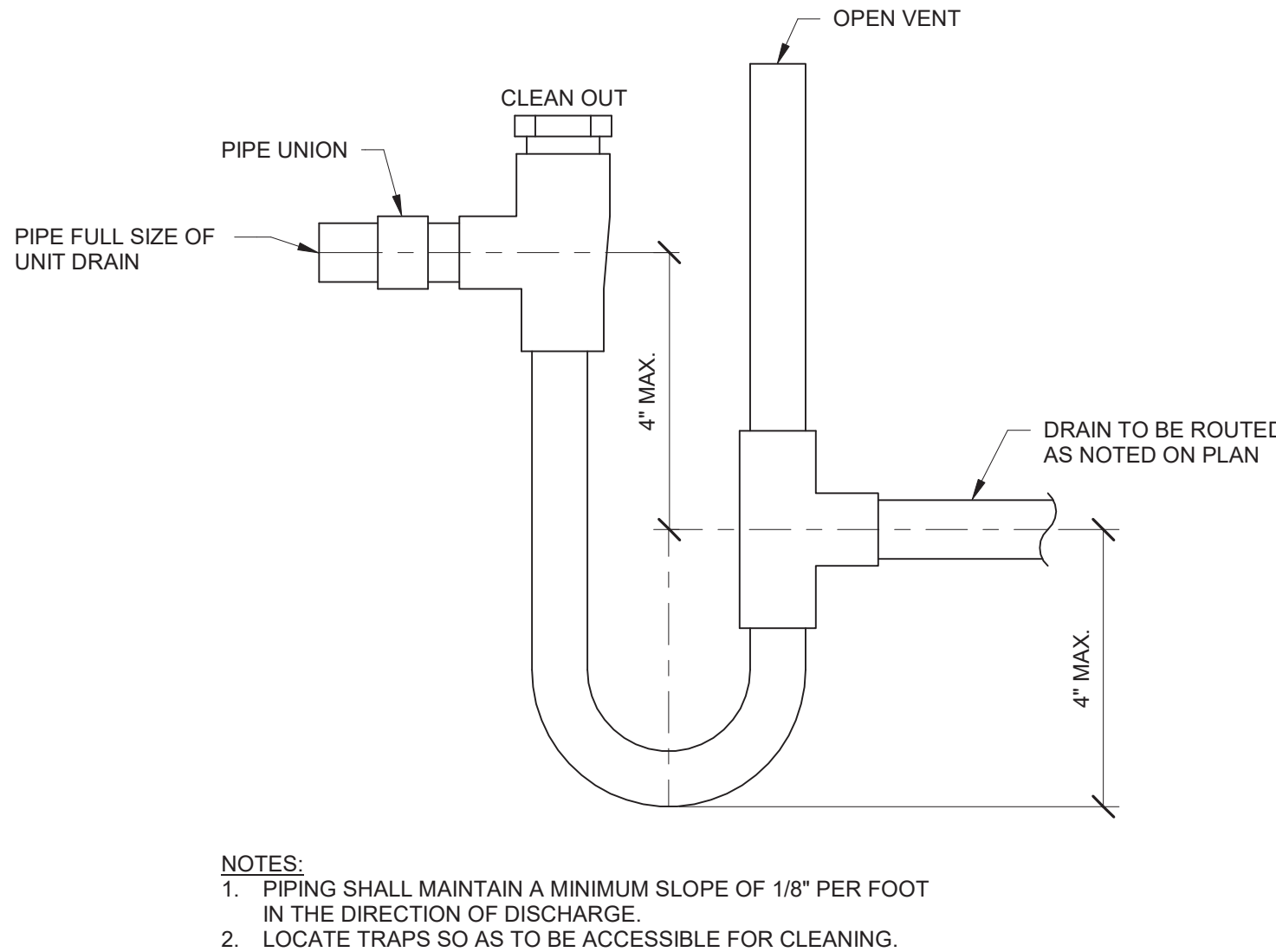
Drawing Title:
**MECHANICAL
DETAILS**

SHEET #

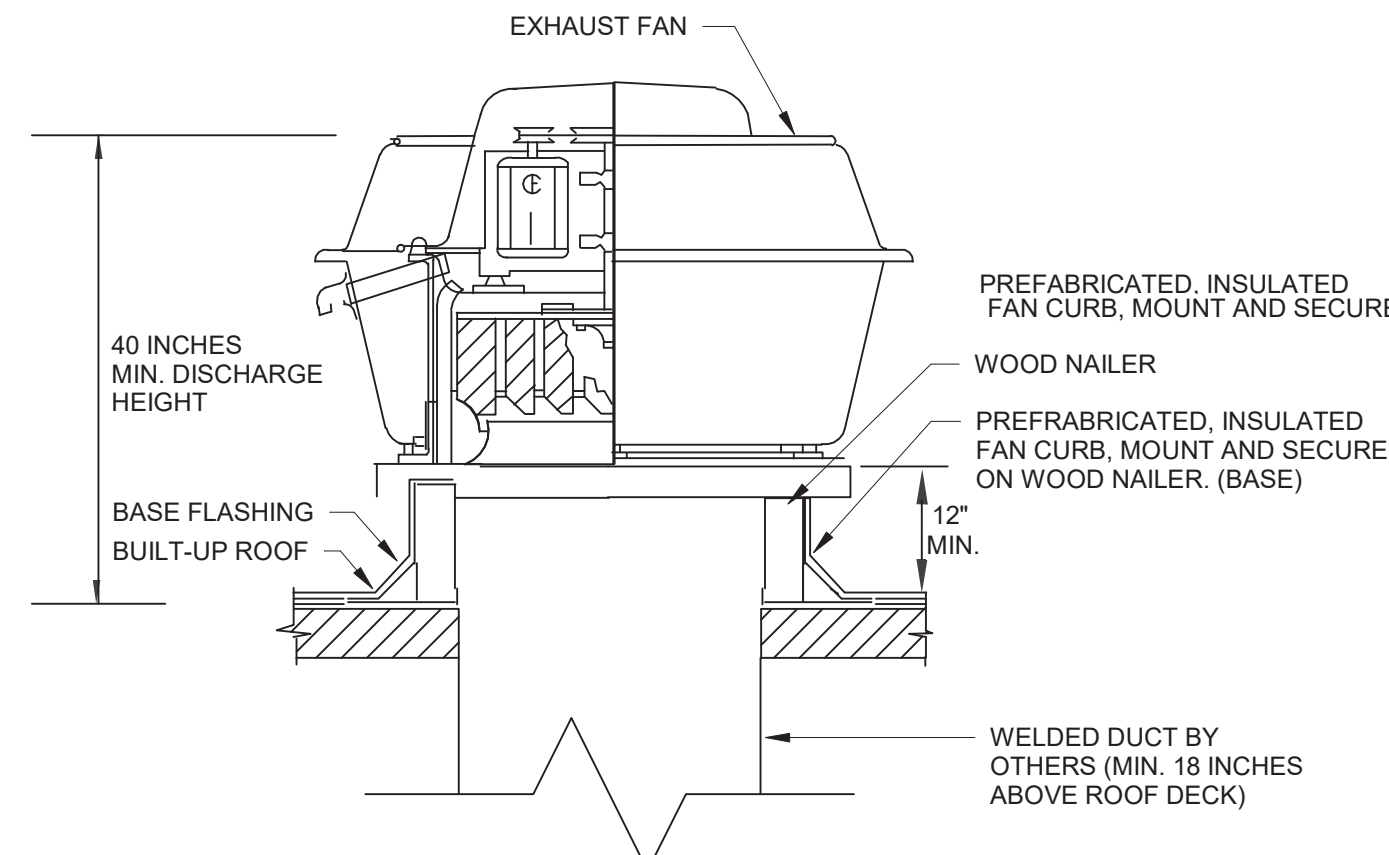
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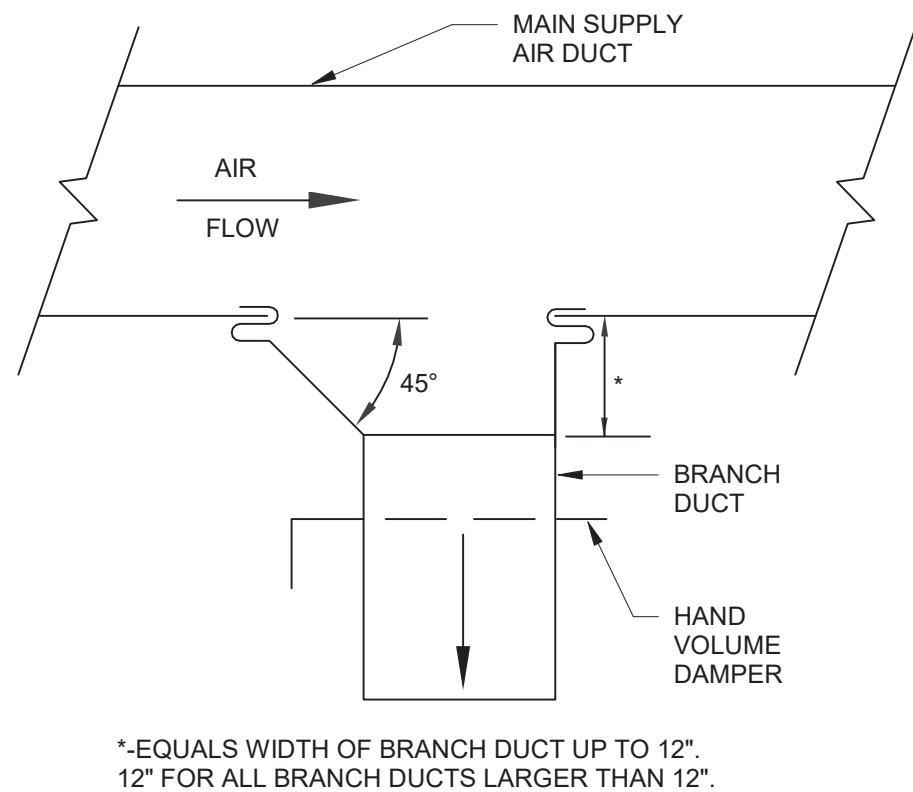
① GAS FIRED ROOFTOP AIR CONDITIONER DETAIL
NOT TO SCALE



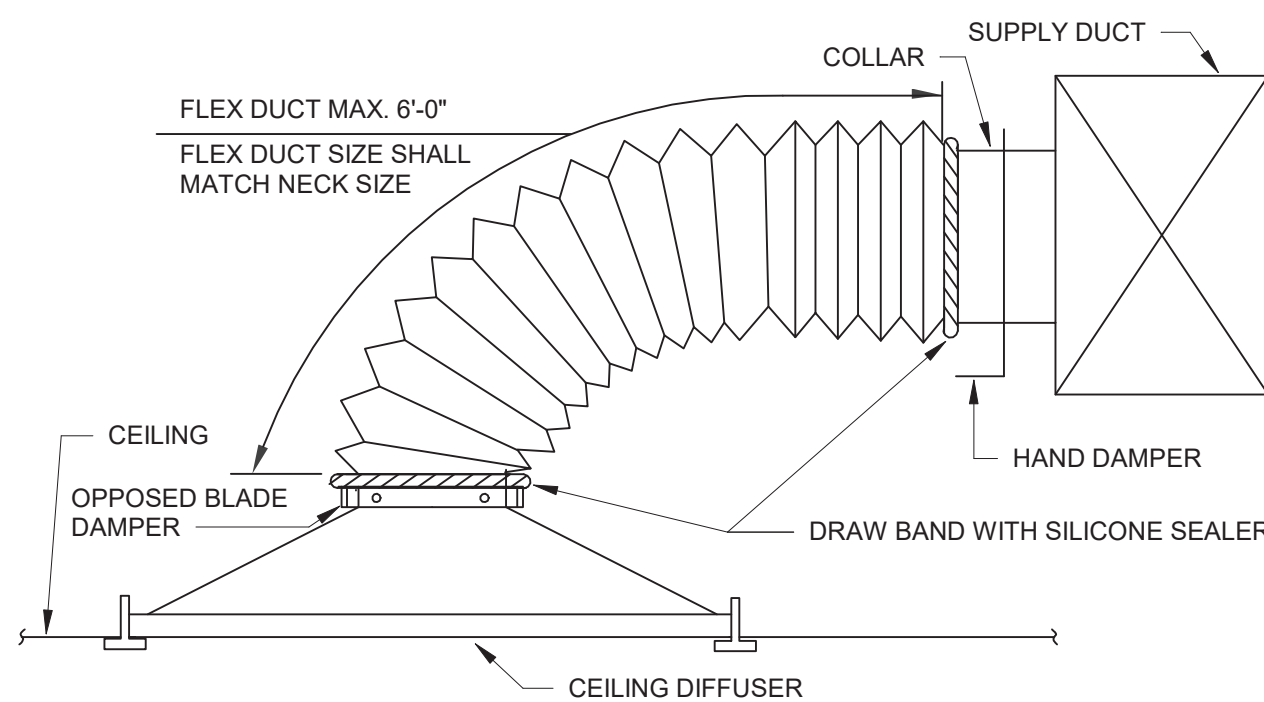
② HVAC DRAIN DETAIL
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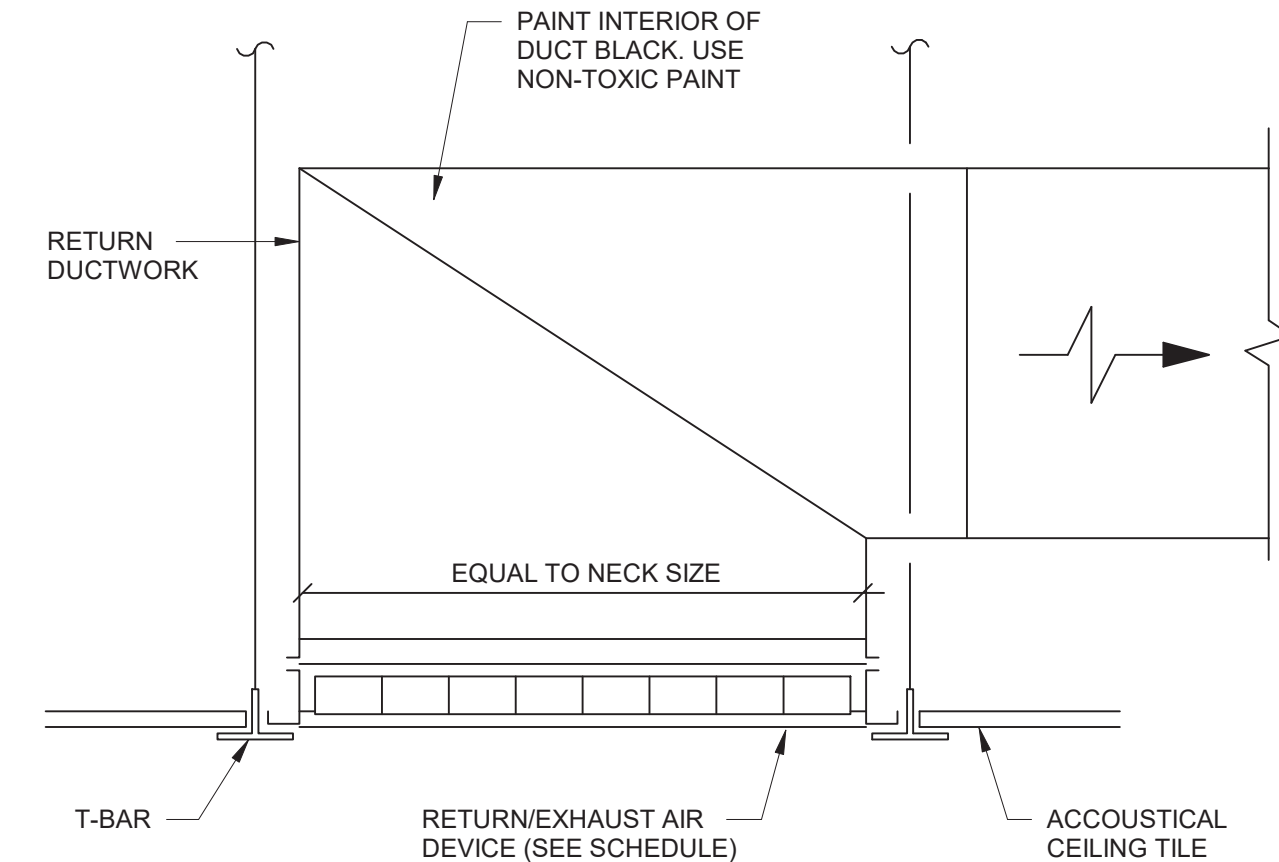
③ ROOF-MOUNTED EXHAUST FAN DETAIL - UPBLAST
NOT TO SCALE



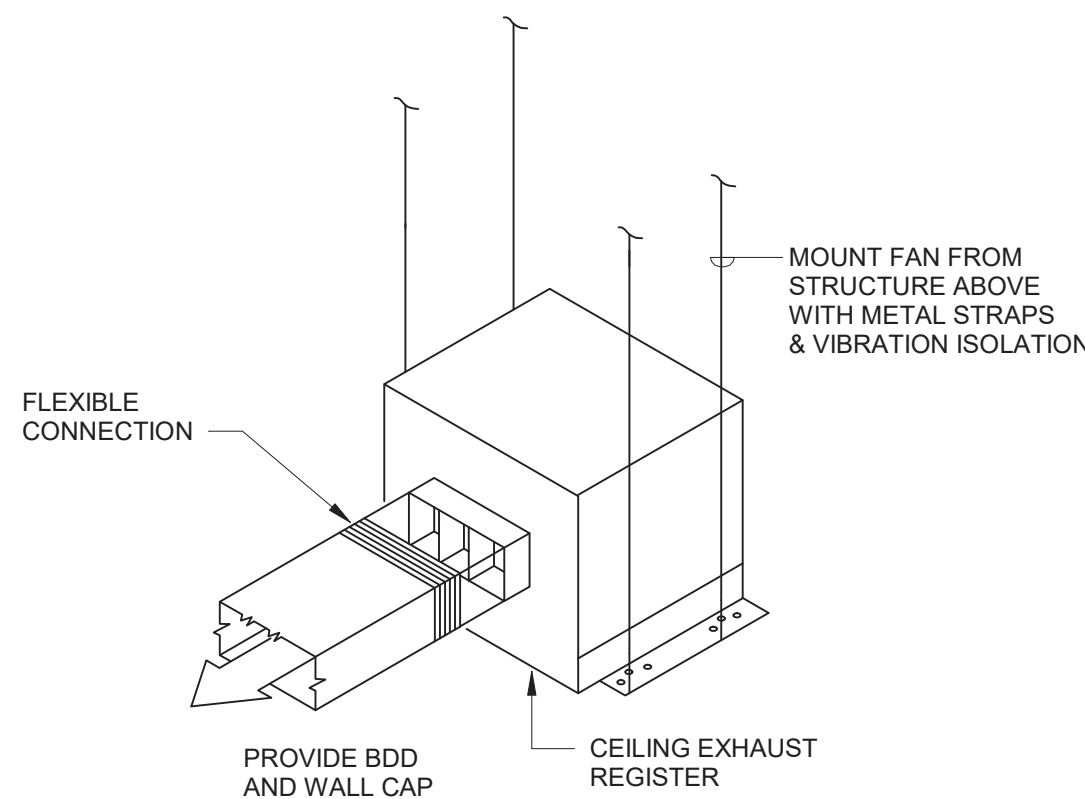
④ DUCT TAKE-OFF DETAIL
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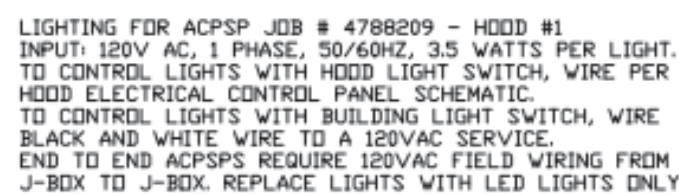
⑤ TYPICAL DIFFUSER CONNECTION (SIDE)
NOT TO SCALE



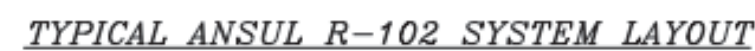
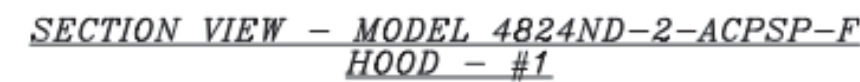
⑥ TYPICAL RETURN GRILLE CONNECTION DETAIL
NOT TO SCALE



⑦ CEILING EXHAUST FAN DETAIL
NOT TO SCALE



ACPSP SHIPS LOOSE FOR FIELD INSTALLATION



FIRE SYSTEM INFORMATION - JOB#4788209						
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		ANSUL R102	3.0/3.0	21	FIRE CABINET LEFT	LEFT, HOOD 1

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Drawing Title:

MECHANICAL DETAILS

SHEET #

M2.2

GENERAL PLUMBING NOTES

- ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE WITH ALL APPLICABLE STATE AMENDMENTS, LOCAL CODES, AND ORDINANCES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES.
- ALL UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. VERIFY EXACT LOCATION AND INVERT ELEVATION IN FIELD BEFORE BEGINNING WORK.
- COORDINATE ALL WORK WITH OTHER TRADES.
- ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.
- WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON THE HEATED SIDE OF CEILING INSULATION AND HEATED SIDE OF WALL INSULATION.
- PIPING INSTALLED IN PLENUM SPACES SHALL MEET ASTM E-84, ASTM E-136, AND UL-723 STANDARDS FOR FLAME SPREAD AND SMOKE GENERATION. COORDINATE PLENUM LOCATIONS WITH MECHANICAL CONTRACTOR.
- FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
- SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM. PIPING LARGER THAN 2" SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
- TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
- PROVIDE INLINE TRAP SEAL DEVICES ON ALL FLOOR DRAINS, UNLESS NOTED OTHERWISE.
- PROVIDE DRAIN VALVES AT LOW POINTS IN ALL WATER PIPING SYSTEMS.
- ALL WATER, VENT, AND GAS PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS NOTED OTHERWISE.
- ALL SOIL, WASTE, AND STORM PIPING SHALL BE INSTALLED BELOW THE FLOOR UNLESS NOTED OTHERWISE.
- PROVIDE CLEANOUTS AT THE BASE OF ALL SOIL, WASTE, VENT, AND STORM RISER OVER ONE STORY IN HEIGHT. ALL WALL CLEANOUTS SHALL BE INSTALLED 18" ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.
- WALL HYDRANTS SHALL BE MOUNTED 18" ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE. WALL HYDRANTS SHALL BE IN A LOCKABLE RECESSED BOX.
- HOSE BIBBS SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. HOSE BIBBS SHALL BE IN A LOCKABLE RECESSED BOX.
- LOCATE ALL DRAINAGE PIPING AND CLEANOUTS CENTERED IN THE CORRIDORS, UNLESS NOTED OTHERWISE. COORDINATE THE LOCATIONS OF CLEANOUTS WITH FLOOR PATTERN. ALL CLEANOUTS AT THE EXIT OF CORRIDORS SHALL BE TWO-WAY CLEANOUTS.
- ALL VENT TERMINALS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY DOOR OPENING, OPERABLE WINDOW, OR FRESH AIR INTAKE.
- WHERE MOUNTING HEIGHTS OF FIXTURES CONFLICT WITH THE FIXTURE HEIGHTS ON THE ARCHITECTURAL DRAWINGS, THE HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE.
- HEAT TRACE SHALL BE APPLIED TO WATER PIPING INSTALLED IN UNCONDITIONED SPACES.
- FIXTURE TRAPS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE FIXTURE OUTLET; VERTICAL DISTANCE SHALL NOT EXCEED 24 INCHES PER IPC 2018, SECTION 1002.1.
- PROVIDE THERMAL MIXING VALVE FOR ALL HAND SINKS AND LAVATORIES.
- ALL PLUMBING EQUIPMENT AND VALVES LOCATED ABOVE CEILINGS SHALL BE IDENTIFIED WITH AN ENGRAVED MARKER PERMANENTLY ATTACHED TO THE CEILING GRID.
- PLUMBING CONNECTIONS TO KITCHEN EQUIPMENT: THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT DRAWINGS AND KITCHEN EQUIPMENT ROUGH-IN PLAN FOR THE EXACT LOCATIONS, ROUGH-IN HEIGHT, CONNECTION SIZES, ETC. IN THE KITCHEN. THE PLUMBING CONTRACTOR SHALL PROVIDE THE SUPPLY VALVES, P-TRAPS, DRAINS, INDIRECT DRAINS, ETC. TO PROVIDE A COMPLETE WORKING KITCHEN SYSTEM. FINAL CONNECTIONS TO THE KITCHEN EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR.

PLUMBING FIXTURE SCHEDULE					
ITEM	DESCRIPTION	MIN. CONNECTION SIZE (INCHES)			MOUNTING HEIGHT REMARKS (ABOVE FLOOR)
		HOT WATER	COLD WATER	WASTE	
WC-1-H	WATER CLOSET - H.C.	---	1"	3"	18" RIM HT.
MS-1	MOP SINK	1/2"	1/2"	2"	FLOOR MTD/ 36" FAUCET HT.
L-1	LAVATORY	1/2"	1/2"	1-1/4"	30"
P-1	ICE MAKER BOX	---	1/2"	---	30" BOX HT.
HB/R	HOSE BIBB - ROOF	---	3/4"	---	---

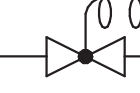
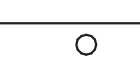
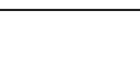
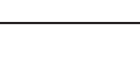
TANKLESS WATER HEATER SCHEDULE						
ITEM	GAS INPUT (MBH)	FLOW RATE	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
WH-1	199	11.0 GPM	NATURAL GAS	SEE ELEC. DWGS	EXTERIOR	RINNAI RU199e
WH-2	199	11.0 GPM	NATURAL GAS	SEE ELEC. DWGS	EXTERIOR	RINNAI RU199e

INSTANTANEOUS WATER HEATER SCHEDULE						
ITEM	FLOW RATE	TEMPERATURE RISE	POWER	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
IWH-1	1.5 GPM	38°F	8.3 KW 208/1	SEE ELECTRICAL DWGS	UNDER LAV	WOMEN'S RR

PRE-ENGINEERED GREASE INTERCEPTOR SIZING			
ITEM	FIXTURE	QTY OF FIXTURES	GPM
GI-1	SINK COMPARTMENTS	3	13.4
	FLOOR DRAINS / FLOOR SINKS	2	1.5
	MOP SINK	1	3.75
	HAND SINK	1	1.9
	PREP SINK	1	3.75
CALCULATED GPM			24.5

- TOTAL FLOW THROUGH THE GREASE TRAP IS FOR A ONE MINUTE DRAIN.

HAMMER ARRESTOR SCHEDULE		
ITEM	PDI UNIT	FIXTURE UNIT
HA	A	1-11
HA	B	12-32

PLUMBING LEGEND		
ABBREVIATION	SYMBOL	DESCRIPTION
H	----	HOT WATER PIPING
C	-----	COLD WATER PIPING
G	-----G-----	NATURAL GAS PIPING
ST	-----ST-----	STORM DRAIN PIPING (ABOVE GROUND)
ST	-----ST-----	STORM DRAIN PIPING (BELOW GROUND)
OF	-----OF-----	OVERFLOW DRAIN PIPING
CA	-----CA-----	COMPRESSED AIR PIPING
S,W	-----	SOIL AND WASTE PIPING
V	-----	VENT PIPING
		SOLENOID VALVE
		SHUT-OFF VALVE
		SWING CHECK VALVE
		FLOW CONTROL
		CONNECT TO EXISTING
HB/E		HOSE BIBB (WALL BOX) FREEZE PROOF
HB/R		ROOF HYDRANT FREEZE PROOF
RD		ROOF DRAIN
FCO		FLOOR CLEAN OUT
GCO		GRADE CLEAN OUT
FD - ''		FLOOR DRAIN - TYPE
FS - ''		FLOOR SINK - TYPE
HA - ''		WATER HAMMER ARRESTOR - SIZE
VTR		VENT THRU ROOF
WH		WATER HEATER
AFF		ABOVE FINISH FLOOR
AFG		ABOVE FINISH GRADE
A/C		ABOVE CEILING
B/F		BELOW FLOOR
GPM		GALLONS PER MINUTE
PSI		POUNDS PER SQUARE INCH
U/G		UNDERGROUND
TYP.		TYPICAL
H.C.		HANDICAP ACCESSIBLE
GPH		GALLONS PER HOUR
CONN.		CONNECTION
ARCH.		ARCHITECTURAL
PRESS.		PRESSURE
W.C.		WATER COLUMN
DWGS.		DRAWINGS
CFH		CUBIC FEET PER HOUR
UNO.		UNLESS NOTED OTHERWISE
AAV		AIR ADMITTANCE VALVE

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Drawing Title:
PLUMBING LEGEND
& SCHEDULES

SHEET #

P0.1

PLUMBING SPECIFICATIONS

GENERAL PROVISIONS

IMPOSED REGULATIONS: APPLICABLE PROVISIONS OF THE STATE AND LOCAL CODES AND OF THE FOLLOWING CODES AND STANDARDS, IN ADDITION TO THOSE LISTED ELSEWHERE IN THE SPECIFICATIONS, ARE HEREBY IMPOSED ON A GENERAL BASIS FOR PLUMBING WORK:

INTERNATIONAL PLUMBING CODE - 2018 EDITION
INTERNATIONAL FUEL GAS CODE - 2018 EDITION

SCOPE OF WORK: PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION TO CONSTRUCT COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. ALL MATERIALS AND EQUIPMENT USED SHALL BE NEW, UNDAMAGED AND FREE FROM ANY DEFECTS.

PRODUCT WARRANTIES: PROVIDE MANUFACTURER'S STANDARD PRINTED COMMITMENT IN REFERENCE TO A SPECIFIC PRODUCT AND NORMAL APPLICATION, STATING THAT CERTAIN ACTS OF RESTITUTION WILL BE PERFORMED FOR THE PURCHASER OR OWNER BY THE MANUFACTURER, WHEN AND IF THE PRODUCT FAILS WITHIN CERTAIN OPERATIONAL CONDITIONS AND TIME LIMITS. WHERE THE WARRANTY REQUIREMENTS OF A SPECIFIC SPECIFICATION SECTION EXCEEDS THE MANUFACTURER'S STANDARD WARRANTY, THE MORE STRINGENT REQUIREMENTS WILL APPLY AND MODIFIED MANUFACTURER'S WARRANTY SHALL BE PROVIDED. IN NO CASE SHALL THE MANUFACTURER'S WARRANTY BE LESS THAN ONE (1) YEAR.

ELECTRICAL WORK: COORDINATE THE PLUMBING AND FIRE PROTECTION WORK WITH ELECTRICAL WORK, AND PROPERLY INTERFACE WITH THE ELECTRICAL SERVICE. IN GENERAL, AND EXCEPT AS OTHERWISE INDICATED, INSTALL MECHANICAL EQUIPMENT READY FOR ELECTRICAL CONNECTION. REFER TO ELECTRICAL SECTIONS OF THE SPECIFICATIONS FOR ELECTRICAL CONNECTION OF MECHANICAL EQUIPMENT.

UTILITY CONNECTIONS: COORDINATE THE CONNECTION OF MECHANICAL SYSTEMS WITH EXTERIOR UNDERGROUND UTILITIES AND SERVICES. COMPLY WITH THE REQUIREMENTS OF GOVERNING REGULATIONS, FRANCHISED SERVICE COMPANIES AND CONTROLLING AGENCIES. PROVIDE A SINGLE CONNECTION FOR EACH SERVICE EXCEPT WHERE MULTIPLE CONNECTION ARE INDICATED.

MECHANICAL IDENTIFICATION MATERIALS:

PLASTIC PIPE MARKERS: PROJECT MANUFACTURER'S STANDARD PRE-PRINTED, FLEXIBLE OR SEMI-RIGID, PERMANENT, COLOR-CODED, PLASTIC-SHEET PIPE MARKERS, COMPLYING WITH ANSI A13.1.

PROVIDE FULL BAND PIPE MARKERS, EXTENDING 360 DEGREES AROUND PIPE AT EACH LOCATION, FASTENED BY SNAP-ON APPLICATION OF PRE-TENSIONED SEMI-RIGID PLASTIC PIPE MARKER.

IDENTIFYING SYSTEMS: INSTALL PIPE MARKER ON PIPING OF THE FOLLOWING PIPING SYSTEMS:

DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RETURN PIPING

LOCATE PIPE MARKERS WHEREVER PIPING IS EXPOSED TO VIEW IN MECHANICAL ROOMS, ACCESSIBLE MAINTENANCE SPACES (INCLUDING ACCESSIBLE AREAS ABOVE CEILINGS), NEAR EACH VALVE AND CONTROL DEVICES, NEAR MAJOR EQUIPMENT ITEMS AND OTHER POINTS OF ORIGATION AND TERMINATION AND SPACED INTERMEDIATELY AT MAXIMUM SPACING OF 25 FEET ALONG EACH PIPING RUN.

DOMESTIC WATER PIPING SYSTEM

SERVICE WATER PIPING 4" AND SMALLER SHALL BE TYPE K HARD DRAWN COPPER TUBE, ASTM B88-83 WITH WROUGHT COPPER-SOLDER JOINT FITTINGS.

WATER DISTRIBUTION PIPING 4" AND SMALLER SHALL BE TYPE L HARD DRAWN COPPER TUBE, ASTM B88-83 WITH WROUGHT COPPER-SOLDER JOINT FITTINGS.

WATER HAMMER ARRESTERS SHALL BE BELLOW'S TYPE: PRECHARGED COMPRESSOR CHAMBER; STAINLESS STEEL CASING AND BELLOW'S. PROVIDE SIZES COMPLYING WITH PDI STANDARD WH-201. JOSAM 75000 SERIES, JAY R. SMITH FIG 5000, OR ZURN 1700 SERIES.

BALL VALVES: BALL VALVES SHALL HAVE TWO-PIECE BRONZE OR BRASS BODY, MEETING MSS-SP110, FULL OR STANDARD PORT, BLOWOUT-PROOF STEM AND ADJUSTABLE PACKING NUT INDEPENDENT OF HANDLE. VALVES SHALL BE RATED FOR 150 SWP, 600 WOG OR 300 CWP. VALVES SHALL BE BY APOLLO, MILWAUKEE, NIBCO, VICTAULIC, WATTS OR RED-WHITE.

GATE VALVES: VALVES 3 INCHES AND SMALLER SHALL BE ALL BRONZE, MEETING MSS-SP80, INSERTED BONNET, SOLID WEDGE, NON-RISING STEM TYPE AND RATED AT 125 SWP, 200 WOG. HANDLES SHALL BE MALLEABLE IRON WITH BRONZE STEM. VALVES SHALL BE BY MILWAUKEE, NIBCO, WATTS OR RED-WHITE.

GLOBE VALVES: VALVES 3 INCHES AND SMALLER SHALL BE ALL BRONZE, MEETING MSS-SP80, INSERTED BONNET WITH INTEGRAL SEAT AND RENEWABLE DISC. VALVES SHALL BE RATED AT 125 SWP, 200 WOG. HANDLES SHALL BE MALLEABLE IRON WITH BRONZE STEM. VALVES SHALL BE BY MILWAUKEE, NIBCO, WATTS OR RED-WHITE.

CHECK VALVES: VALVES 2 INCHES AND SMALLER SHALL BE BRONZE BODY WITH BRONZE SEAT AND DISC AND SHALL BE RATED AT 125 SWP, 200 WOG. VALVES SHALL BE BY MILWAUKEE, NIBCO, WATTS OR RED-WHITE.

FLOW CONTROL VALVES: VALVES FOR DOMESTIC HOT WATER RETURN SHALL HAVE BRASS AND STAINLESS STEEL BODIES, WITH INTEGRAL BALL VALVE, GROUND JOINT UNION, AND SOLDER ENDS. VALVE SHALL BE RATED FOR 600 PSIG AND FLOW RATE, AS SHOWN ON DRAWINGS. FLOW CONTROL VALVES SHALL BE AUTOFLOW MODEL FU-050, HAYES 2500 OR EQUIVALENT BY GRISWOLD.

SOIL, WASTE AND VENT PIPING SYSTEM

SOIL, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 ABS-DWV (ASTM D2661-82) OR PVC-DWV (ASTM D2665-82) PIPE AND FITTINGS. JOINTS SHALL BE SOLVENT CEMENT SOCKET TYPE. SERVICE WEIGHT CAST IRON HUB AND SPIGOT PIPE AND FITTINGS, ASTM A74. JOINTS IN UNDERGROUND CAST IRON PIPING SHALL BE MADE USING AN ASTM-C564 NEOPRENE ELASTOMERIC COMPRESSION GASKET CONFORMING TO THE REQUIREMENTS OF ASTM C 1563. DRAINAGE PIPING SUBJECT TO CARRYING WATER IN EXCESS OF 140" SHALL BE CAST IRON.

FLOOR DRAIN FD-A: PROVIDE COATED CAST IRON FLOOR DRAINS WITH INTEGAL PIPE STOPS, FLASHING COLLAR, SEEPAGE FLANGE, 6 INCH DIAMETER ROUND NIKALOY STRAINER. FLOOR DRAINS SHALL BE BY:

WADE
JOSAM
ZURN
J.R. SMITH
WATTS

TESTING: THE PIPING OF THE SOIL, WASTE AND VENT SYSTEM SHALL BE TESTED WITH WATER BEFORE INSTALLING FIXTURES. WATER TEST SHALL BE APPLIED TO THE SOIL, WASTE AND VENTING SYSTEM EITHER IN ITS ENTIRETY OR IN SECTIONS. IF THE TEST IS APPLIED TO THE ENTIRE SYSTEM, ALL OPENINGS IN THE PIPING SHALL BE CLOSED EXCEPT THE HIGHEST OPENING, AND THE SYSTEM SHALL BE FILLED WITH WATER TO THE POINT OF OVERFLOW. IF THE SYSTEM IS TESTED IN SECTIONS, EACH OPENING OF THE SECTION UNDER TEST SHALL BE PLUGGED AND EACH SECTION SHALL BE FILLED WITH WATER AND TESTED WITH AT LEAST A 10 FOOT HEAD OF WATER. IN TESTING SUCCESSIVE SECTIONS, AT LEAST THE UPPER 10 FEET OF THE NEXT PRECEDING SECTION SHALL BE TESTED SO THAT EACH JOINT OR PIPE IN THE BUILDING EXCEPT THE UPPER MOST 10 FEET OF THE SYSTEM HAS BEEN SUBMITTED TO A TEST OF AT LEAST 10 FOOT HEAD OF WATER. THE WATER SHALL BE KEPT IN THE SYSTEM, OR IN THE PORTION UNDER TEST, FOR AT LEAST 30 MINUTES BEFORE THE INSPECTION STARTS; THE SYSTEM SHALL BE TIGHT AT ALL JOINTS. JOINTS THAT FAIL THE TEST SHALL BE REMADE AND RETESTED.

GAS PIPING SYSTEMS

ABOVE GROUND GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE OF THE SIZE INDICATED WITH CLASS 150 MALLEABLE IRON THREADED FITTINGS.

GAS PRESSURE REGULATORS SHALL BE DIAPHRAGM ACTUATED WITH CAST IRON BODY, ALUMINUM DIAPHRAGM CHAMBER, AND ALL INTERNAL PARTS DESIGNED FOR USE WITH NATURAL GAS. REGULATORS SHALL BE ADJUSTABLE, WITH AUTOMATIC LOADING, AUTOMATIC LOW PRESSURE CUT-OFF, AND FULL INTERNAL RELIEF. THE REGULATOR SHALL BE ADJUSTED FOR OUTLET PRESSURE INDICATED ON THE DRAWINGS. THE OUTLET PRESSURE SHALL NOT VARY MORE THAN 1 INCH W.C. FROM THE SET POINT AT SPECIFIED CAPACITY. THE REGULATOR SHALL BE CAPABLE OF COMPLETE SHUT-OFF IN THE EVENT THE SUPPLY PRESSURE IS INTERRUPTED OR THE GAS DEMAND EXCEEDS THE REGULATOR CAPACITY AND SHALL REMAIN OFF UNTIL THE REGULATOR IS MANUALLY RESET. THE REGULATOR SHALL HAVE A WEATHERPROOF, BUG PROOF, SCREENED VENT CAP INSTALLED IN THE VENT TAPPING. REGULATORS SHALL BE BY SENSUS (ROCKWELL), FISHER, OR SINGER.

GAS SOLENOID VALVES 3 INCHES IN SIZE AND SMALLER SHALL BE 2-WAY, NORMALLY CLOSED TYPE WITH MANUAL RESET FOR LOW PRESSURE SERVICE. THE VALVE SHALL HAVE AN ALUMINUM BODY, BUNA N SEAT, AND BUNA N DISC. MAXIMUM PRESSURE DROP SHALL NOT EXCEED 1" W.C. AT SYSTEM CAPACITY. THE SOLENOID ENCLOSURE SHALL BE NEMA 1 AND HAVE ELECTRICAL CHARACTERISTICS AS SHOWN ON THE DRAWINGS. VALVE SHALL BE UNDERWRITERS LABORATORIES LABELED. VALVES SHALL BE ASCO 8044 COMBUSTION VALVE SERIES OR EQUIVALENT BY SINGER OR FISHER.

PLUG VALVES SHALL HAVE IRON BODY (SEMI-STEEL) LUBRICATED TYPE CAST BRONZE PLUG, AND THREADED ENDS RATED FOR 175 PSIG W.O.G. WORKING PRESSURE. PLUG VALVES SHALL BE ROCKWELL 142, WALWORTH 655, OR POWELL 2200.

SHUTOFF VALVES 2 INCHES AND SMALLER SHALL BE BALL VALVES. VALVES SHALL HAVE THREADED INLET AND OUTLET CONNECTIONS, TWO-PIECE BRASS BODY, MEETING MSS-SP110, FULL OR STANDARD PORT, BLOWOUT-PROOFSTEM AND ADJUSTABLE PACKING NUT INDEPENDENT OF HANDLE. VALVES SHALL BE ASME B16.44 AND UL LISTED FOR USE WITH NATURAL GAS. VALVE SHALL BE RATED FOR 250 PSI, 600 CWP. VALVES SHALL BE BY MAXITROL, APOLLO, HAYS, MILWAUKEE, NIBCO, OR WATTS.

WATER HEATERS

POINT-OF-USE INSTANTANEOUS ELECTRIC WATER HEATER (IWH-1.2): PROVIDE A TANKLESS INSTANTANEOUS TYPE ELECTRIC WATER HEATER SIZED FOR LOW FLOW CONSTANT TEMPERATURE REQUIREMENTS. UNIT SHALL HAVE AN ABS UL RATED 94V0 COVER, INTEGRAL FLOW SWITCH, REPLACEABLE CARTRIDGE INSERT TYPE HEATING ELEMENT, HIGH TEMPERATURE LIMIT SWITCH WITH AUTOMATIC RESET, REPLACEABLE COLD WATER INLET FILTER, AND COMPRESSION FITTINGS LOCATED ON TOP OR BOTTOM OF UNIT. UNIT SHALL BE WALL MOUNTABLE, UL LISTED AND HAVE A MINIMUM 5 YEAR (HEATER) / 1 YEAR (PARTS) WARRANTY. FLOW SWITCH SHALL ACTIVATE HEATING ELEMENT ONLY ON DEMAND. UNIT SHALL OPERATE AT 25 PSI MINIMUM AND 150 PSI MAXIMUM. PROVIDE WITH INTEGRAL FLOW CONTROLLER AND FAUCET AERATOR. UNITS SCHEDULE AS DUAL LAVATORY SHALL BE PROVIDED WITH TWO FAUCET AERATORS. REFER TO THE SCHEDULE FOR APPLICATION TYPE, HEATER SIZE, VOLTAGE AND PHASE REQUIREMENTS. INSTANTANEOUS WATER HEATER SHALL BE BY EEMAX, BRADFORD WHITE OR RHEEM.

WATER HEATERS SHALL BE CONFIGURED TO OPERATE WITH NATURAL GAS AND A 120 VOLT/60 HZ AC POWER SOURCE. UNITS SHALL HAVE A BTU INPUT RANGE OF 15,000 BTU/HR TO 199,500 BTU/HR; A MINIMUM RECOVERY EFFICIENCY RATING OF 82%; A MINIMUM HOT WATER OUTLET CAPACITY OF 6.3 GALLONS PER MINUTE (WITH A 60 °F TEMPERATURE RISE), AND A MINIMUM OPERATING FLOW RATE OF 0.6 GALLON PER MINUTE (WITH A 60 °F TEMPERATURE RISE). WATER HEATERS SHALL BE MICROPROCESSOR CONTROLLED AND UTILIZE A DIRECT ELECTRONIC IGNITION SYSTEM (WITH NO STANDING PILOT), FULLY MODULATING GAS CONTROL VALVE, TURBINE FLOW METER, AUTOMATIC ELECTRO-MECHANICAL WATER FLOW CONTROL VALVE, AND WATER TEMPERATURE THERMISTORS TO MAINTAIN OUTLET WATER TEMPERATURE BETWEEN ± 2 °F OF SET POINT TEMPERATURE. UNITS SHALL INCORPORATE THE FOLLOWING INTERNAL SAFETY DEVICES: FLAME FAILURE LOCKOUT, BOILING PROTECTION LOCKOUT, THERMAL OVERHEAT PROTECTION, INTERNAL FREEZE PROTECTION FOR AMBIENT TEMPERATURES AS LOW AS -30 °F, AND LOCKOUT PROTECTION IN THE EVENT OF A BLOCKED FLUE. WATER HEATERS SHALL UTILIZE A REMOTE TEMPERATURE THERMOSTAT CONTROLLER TO PROVIDE AN ADJUSTABLE SET POINT RANGE OF 96 °F TO 180 °F. UNITS SHALL ALSO BE CAPABLE OF STORING AND DISPLAYING UP TO 9 DIAGNOSTIC MAINTENANCE CODES, VIA THE DISPLAY ON THE REMOTE TEMPERATURE THERMOSTAT CONTROLLER. WATER HEATERS SHALL BE SUITABLE FOR EXTERIOR INSTALLATION.

WATER HEATERS SHALL HAVE AN INTERNALLY COATED COPPER HEAT EXCHANGER. UNITS SHALL HAVE STAINLESS STEEL BURNERS, SOLID BRASS WATER FLOW CONTROL VALVE, AND SOLID BRASS INLET AND OUTLET WATER CONNECTIONS. THESE AND ALL OTHER PARTS SHALL BE WARRANTED AGAINST MATERIAL DEFECTS OR WORKMANSHIP FOR A MINIMUM PERIOD OF 5 YEARS FROM THE DATE OF PURCHASE. WATER HEATERS SHALL BE BY A.O. SMITH, RINNAI, NAVIEN, INTELLIHOT OR HTP.

PIPE INSULATION: INSULATION SHALL BE PREFORMED, TWO-PIECE, HEAVY DENSITY FIBERGLASS WITH SELF SEALING ASJ JACKET CONFORMING TO FS HH-1558 FORM D. TYPE III, CLASS 12. VALVES AND FITTINGS SHALL BE INSULATED WITH FIBERGLASS INSULATION OF THE SAME MATERIAL THICKNESS AS INSULATION ON ADJACENT PIPE AND HAVING A MOLDED PVC JACKET. JACKETS SHALL BE CERTAINTED SNAP-FORM OR ZESTON PVC. INSULATION THICKNESS SHALL BE 1 INCH THICK FOR ALL SIZES OF COLD WATER AND HOT WATER SUPPLY AND RETURN.

STERILIZATION: THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE THOROUGHLY STERILIZED WITH A SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF AVAILABLE CHLORINE. THE CHLORINATING MATERIAL SHALL BE LIQUID CHLORINE CONFORMING TO FEDERAL SPECIFICATION BB-C-120. THE STERILIZATION SOLUTION SHALL BE ALLOWED TO REMAIN IN THE SYSTEM FOR A PERIOD OF 6 HOURS, DURING WHICH TIME ALL VALVES AND FAUCETS SHALL BE OPENED AND CLOSED SEVERAL TIMES. AFTER STERILIZATION, THE SOLUTION SHALL BE FLUSHED FROM THE SYSTEM WITH CLEAN WATER UNTIL THE RESIDUAL CHLORINE CONTENT IS NOT GREATER THAN 0.2 PARTS PER MILLION.

TESTING: THE HYDROSTATIC TEST SHALL BE MADE UPON COMPLETION OF THE ROUGHING-IN AND BEFORE SETTING FIXTURES. THE ENTIRE DOMESTIC COLD WATER AND HOT WATER, AND HOT WATER CIRCULATION PIPING SYSTEM SHALL BE TESTED AT A HYDROSTATIC PRESSURE OF 100 PSIG AND PROVIDE TIGHT AT THIS PRESSURE FOR A PERIOD OF NOT LESS THAN 2 HOURS IN ORDER TO PERMIT INSPECTION OF ALL JOINTS. WHERE A PORTION OF THE WATER PIPING SYSTEM IS TO BE CONCEALED BEFORE COMPLETION, THIS PORTION SHALL BE TESTED SEPARATELY IN A MANNER DESCRIBED FOR THE ENTIRE SYSTEM.

GREASE INTERCEPTOR

ACID RESISTANT COATED INTERIOR AND EXTERIOR FABRICATED STEEL LOW PROFILE, PDI RATE AT 35 GPM AND 70 LBS. GREASE CAPACITY, WITH INTERNAL AIR RELIEF BY-PASS, BRONZE CLEANOUT PLUG AND VISIBLE DOUBLE WALL TRAP SEAL WITH REMOVABLE PRESSURE EQUALIZING/FLOW DIFFUSING INLET BAFFLE, FIXED BOTTOM OUTLET BAFFLE, AND VISIBLE DOUBLE WALL TRAP SEAL. GASKETED NON-SKID SECURED COVER WITH CENTER TIE DOWN ASSEMBLY, COMPLETE WITH EXTERNAL FLOW CONTROL FITTING. FURNISH WITH LOW INLET AND OUTLET, AS NECESSARY. GREASE INTERCEPTOR SHALL BE BY ZURN OR EQUAL.

PLUMBING FIXTURE SPECIFICATIONS:

GENERAL: PROVIDE FACTORY-FABRICATED FIXTURES OF THE TYPE, STYLE AND MATERIAL INDICATED. FOR EACH TYPE OF FIXTURE, UNLESS OTHERWISE SPECIFIED, PROVIDE FIXTURE MANUFACTURER'S STANDARD TRIM, CARRIER, SEATS AND VALVES AS INDICATED BY THEIR PUBLISHED PRODUCT INFORMATION, EITHER AS DESIGNED AND CONSTRUCTED, OR AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED FOR A COMPLETE INSTALLATION. WHERE MORE THAN ONE TYPE OR MANUFACTURER IS INDICATED, SELECTION IS INSTALLER'S OPTION.

A. WATER CLOSET WC-1-H: SHALL BE A FLOOR MOUNTED, FLOOR OUTLET, VITREOUS CHINA, FLUSH TANK WATER CLOSET WITH ELONGATED BOWL (DESIGNED FOR 1.28 GALLON FLUSH), FLOOR BOLTS, BOLT CAPS, AND OUTLET GASKET. THE WATER CLOSET SHALL BE FITTED WITH A WHITE SEAT. WATER CLOSET SHALL BE:

WATER CLOSET:	AMERICAN STD.	KOHLER	ZURN
SEAT:	PLUMBTECH	BEMIS	CENTOCO
SUPPLY:	MCGUIRE	ZURN	WATTS

B. LAVATORY L-1: SHALL BE A WALL HUNG, 20"X18" VITREOUS CHINA LAVATORY WITH BACKSPASH AND PUNCHED FOR 4" CENTERS. THE LAVATORY SHALL BE FITTED WITH A CHROME PLATED ADA COMPLIANT CENTER-SET FAUCET WITH SINGLE LEVER HANDLE, POP-UP DRAIN, 1-1/4" P-TRAP, WHEEL HANDLE ANGLE SUPPLIES, CHAIR CARRIER WITH CONCEALED ARM SUPPORTS AND INSULATION KIT. LAVATORY AND TRIM SHALL BE:

LAVATORY:	AMERICAN STD.	KOHLER	CRANE
FAUCET:	LUCERNE	GREENWICH	HARWICH
DRAIN:	CHICAGO	ZURN	T&S BRASS
P-TRAP:	MCGUIRE	ZURN	WATTS
SUPPLIES:	MCGUIRE	BRASS CRAFT	WATTS
INSULATION KIT:	MCGUIRE	TRUEBRO	SKAL-GUARD
CARRIER:	J.R. SMITH	JOSAM	ZURN

C. MOP SINK MS-1: SHALL BE A 24" X 24" MOLDED STONE MOP BASIN WITH 10" HIGH SIDES AND INTEGRAL 3" CHROME PLATED DOME DRAIN. THE MOP SINK SHALL BE FITTED WITH VINYL BUMPER GUARDS, A CHROME PLATED FAUCET WITH VACUUM BREAKER, A HOSE WITH HOSE BRACKET, AND STAINLESS STEEL WALL GUARDS. MOP SINK SHALL BE WHITE AND THE FAUCET SHALL BE MOUNTED ON THE WALL 36 INCHES ABOVE THE FLOOR. MOP BASIN SHALL BE:

BASIN:	FIAT	SWAN	ZURN
BUMPERGUARDS:	MSB 2424	MS 2424-3	Z-1996-24
FAUCET:	E-77-AA	MS-2408	BV
HOSE/BACKET:	830-AA	MS-5811	Z843M1-XL
WALL GUARDS:	832-AA	MS-2405	HH
	MSG2424		WG

D. ICE MAKER BOX P-1: SHALL BE A RECESSED FLUSH MOUNTING PLASTIC OR PAINTED STEEL BOX WITH COMPRESSION TYPE COLD WATER ANGLE VALVE. ICE MAKER BOX SHALL BE:

ICE MAKER BOX:	OATEY	GUY GRAY	PLASTIC ODDITIES
	38811	BIM-875	IB-9

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CONSULTANT PHONE

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prepared for:
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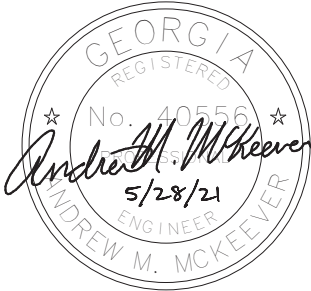
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Drawing Title:

PLUMBING
SPECIFICATIONS

SHEET #

P0.2

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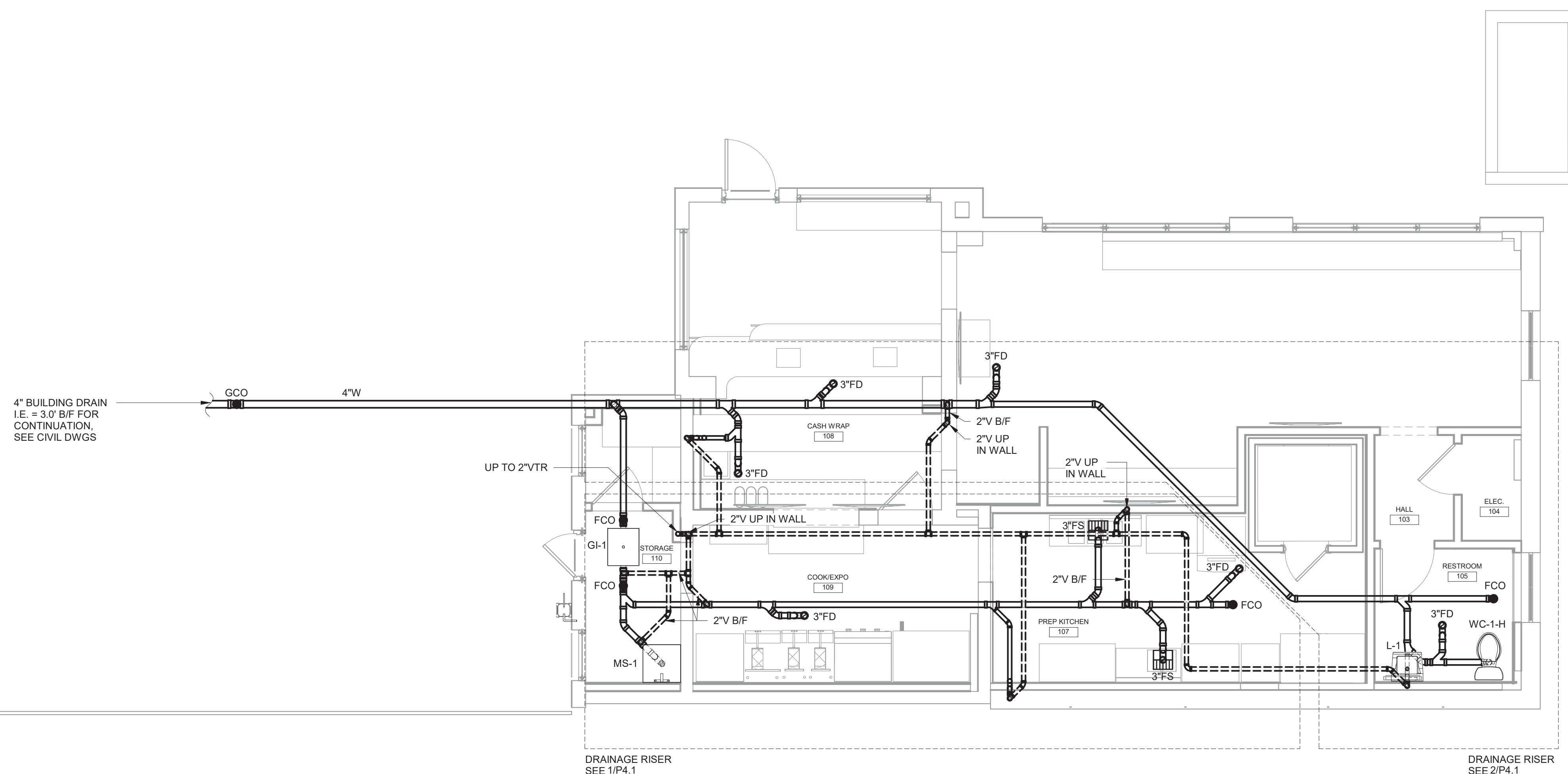


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DRAINAGE & VENT PLAN

SHEET #

P1.1



① DRAINAGE & VENT PLAN
1/4" = 1'-0"

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Drawing Title:

HOT & COLD
WATER PLAN

SHEET #

P2.1

VALVE BOX
1-1/2" C WATER SERVICE
SEE CIVIL DWGS FOR
CONTINUATION

GAS DESIGN
TOTAL LENGTH: 115 FT.
TOTAL LOAD: 1073 CFH
DESIGN PRESSURE: 2 PSI
PRESSURE DROP: 1 PSI

GAS METER,
COORDINATE
LOCATION WITH
UTILITY CO.

3/4" G DN TO COOKING EQUIPMENT.
PROVIDE VENTLESS REGULATOR,
SHUT-OFF VALVE, UNION,
SOLENOID VALVE AND DRIP LEG.
INTERLOCK SOLENOID WITH HOOD
FIRE SUPPRESSION SYSTEM.

WATER RISER
SEE 3/P4.1

1 HOT & COLD WATER PLAN
1/4" = 1'-0"

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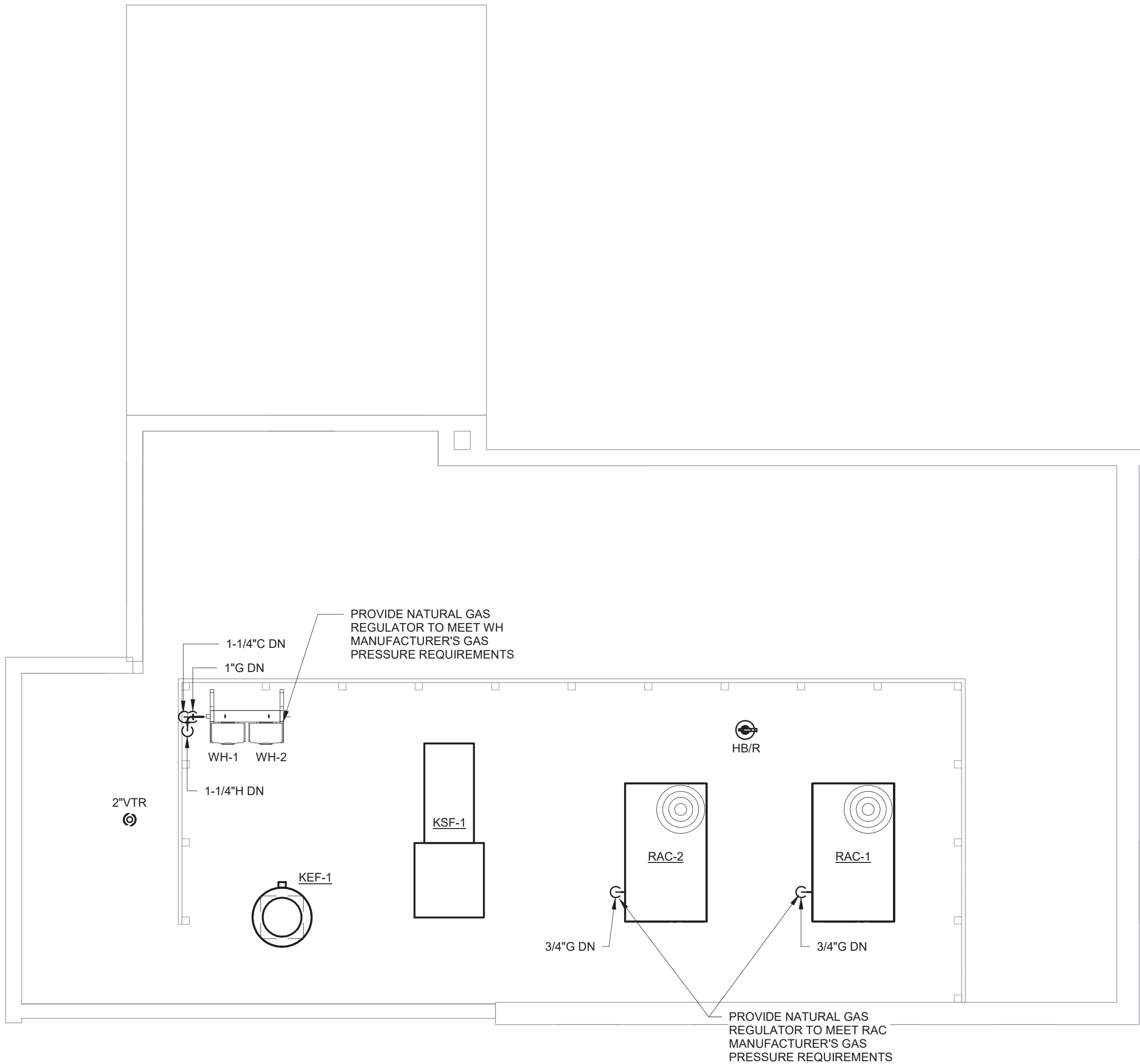
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Drawing Title:
PLUMBING ROOF
PLAN

SHEET #

P3.1



① ROOF PLUMBING PLAN
1/4" = 1'-0"

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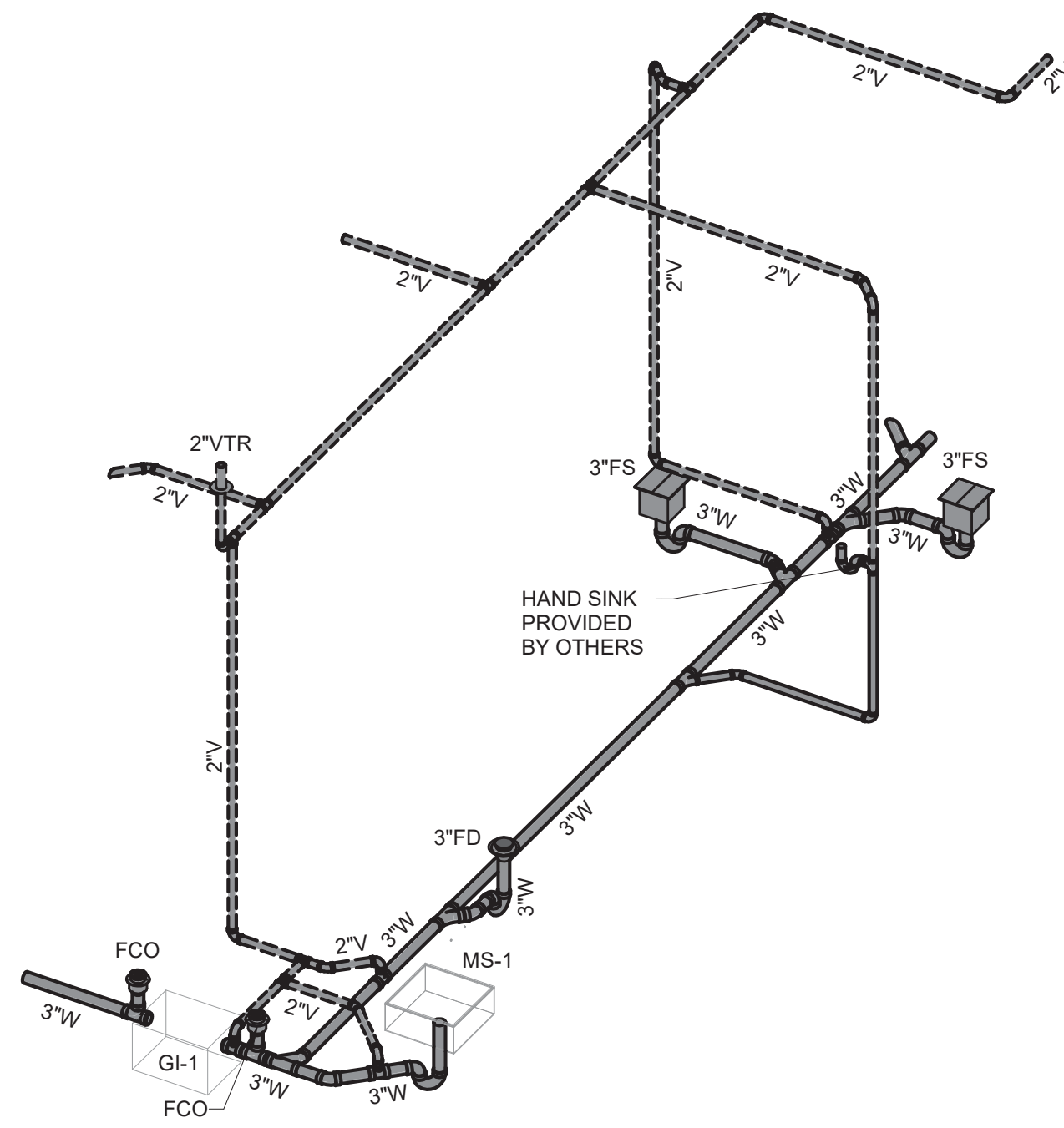
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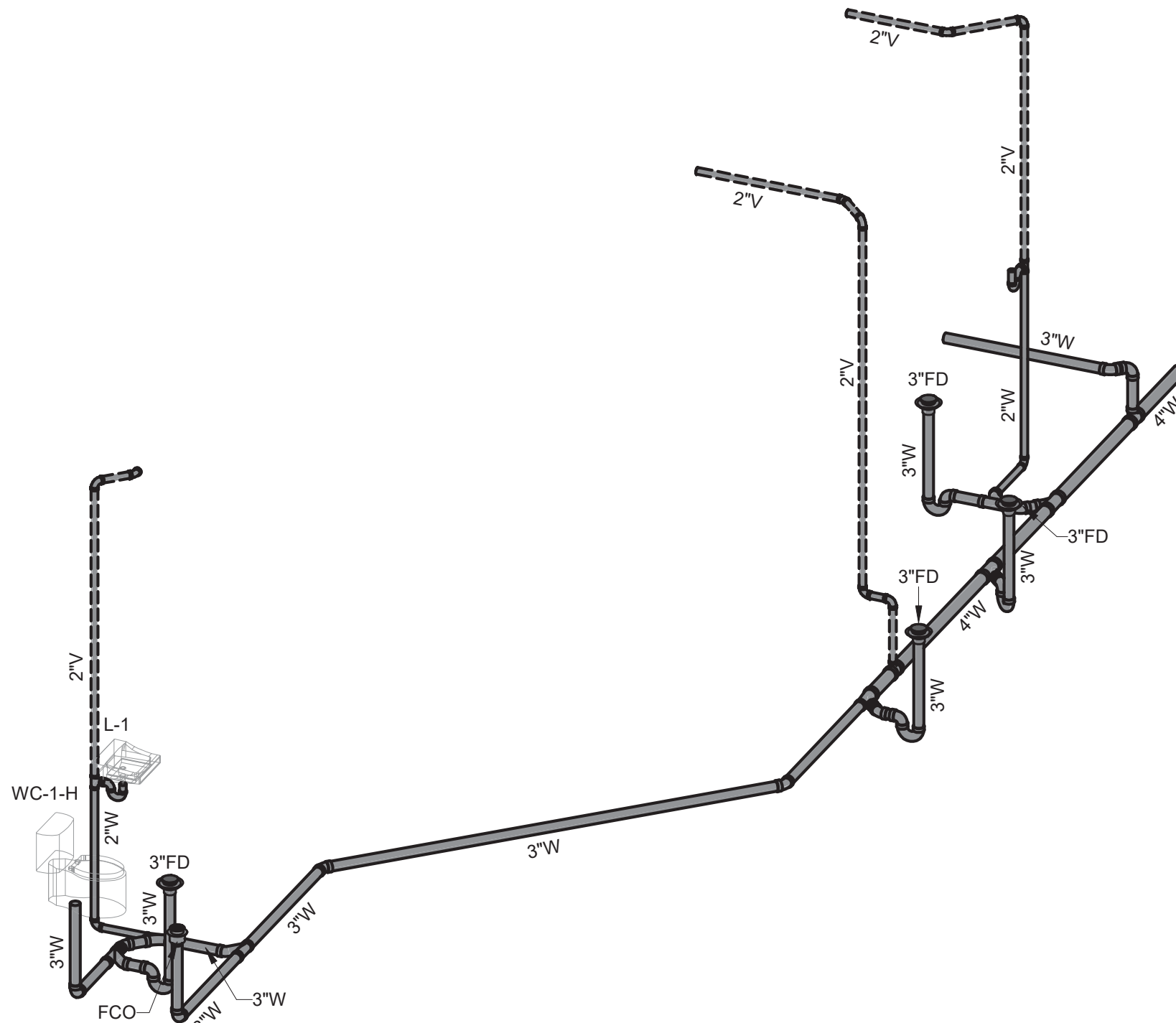
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PLUMBING RISERS

SHEET #

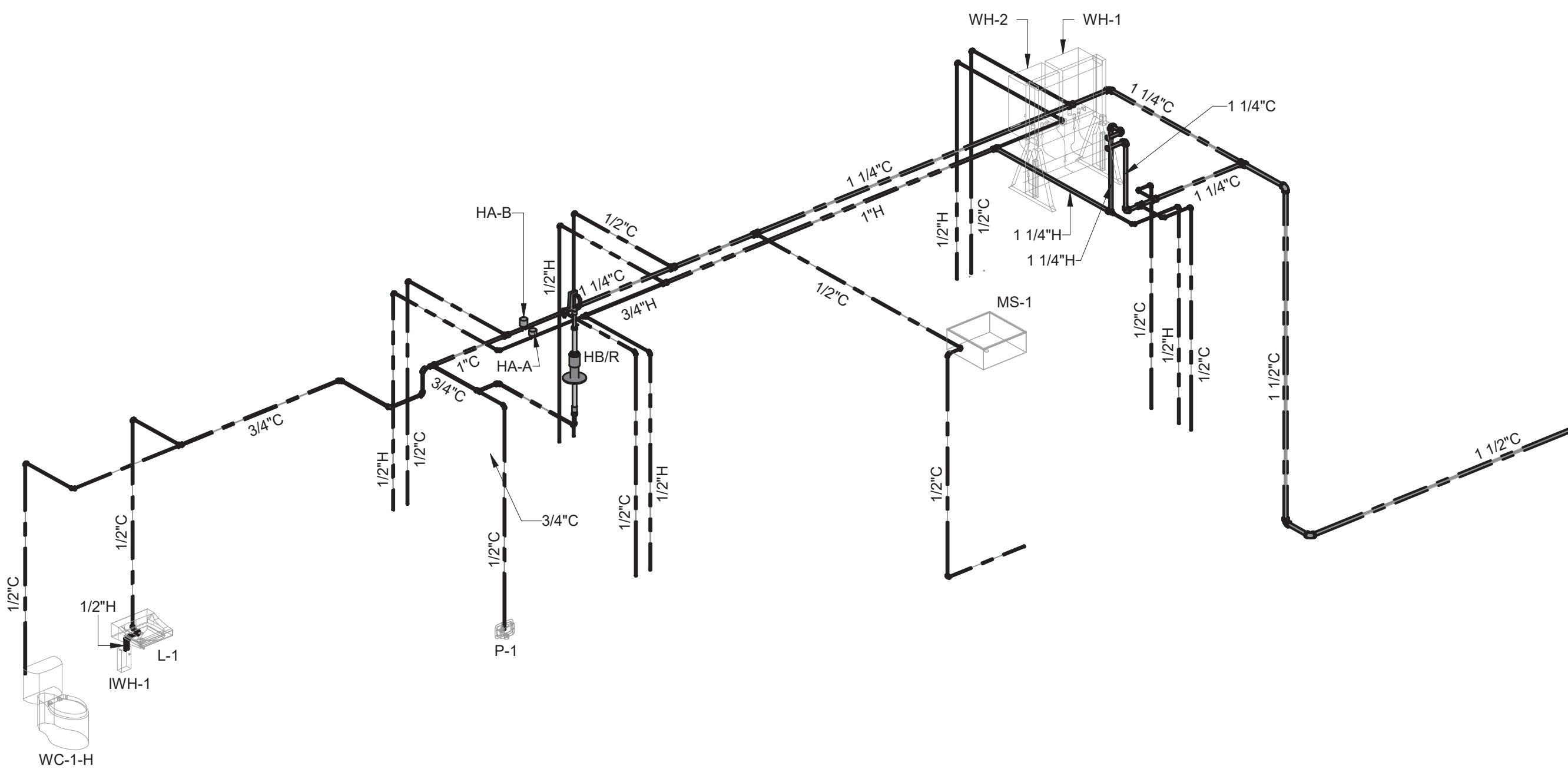
P4.1



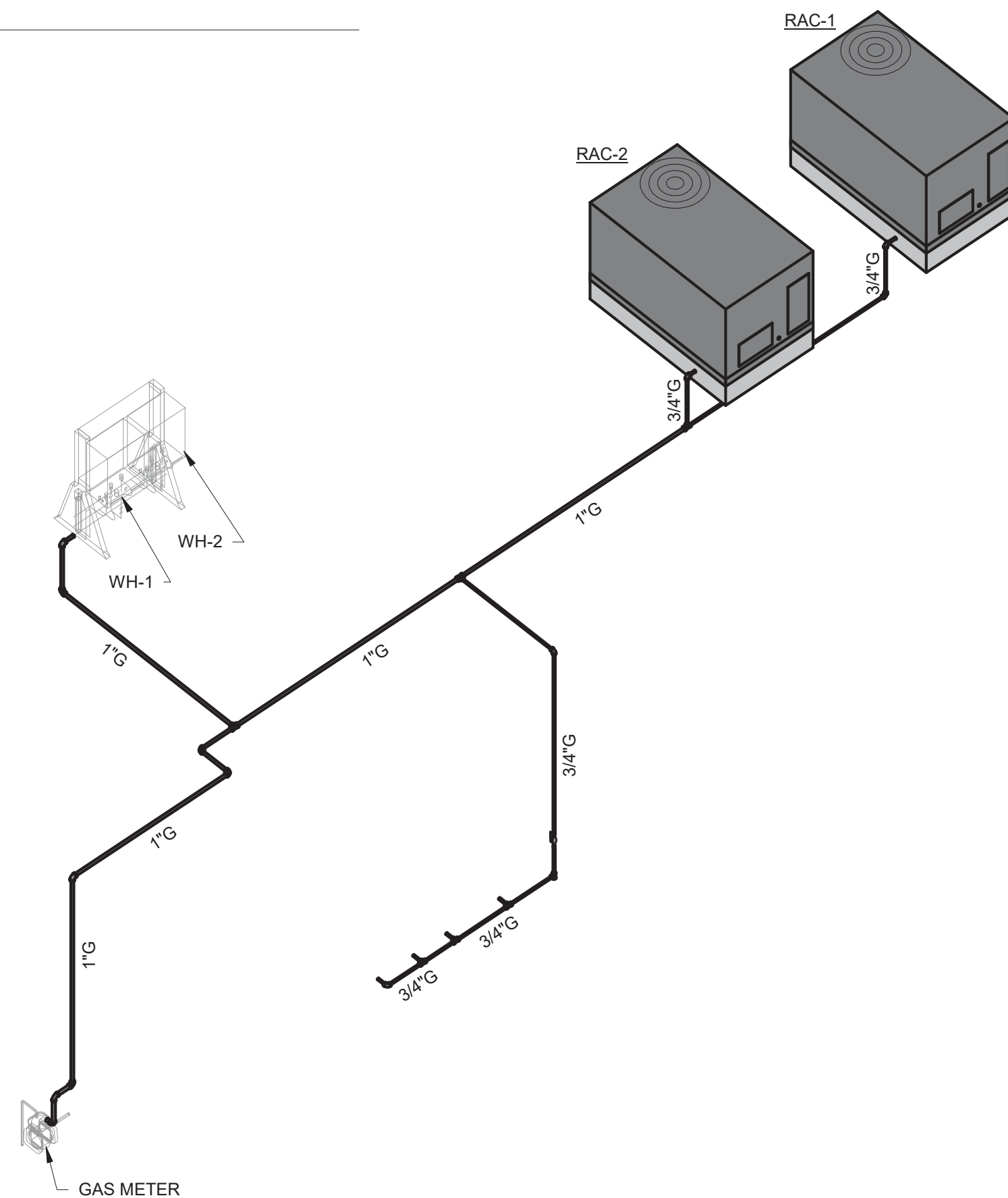
1 DRAINAGE & VENT RISER DIAGRAM #1



2 DRAINAGE & VENT RISER DIAGRAM #2



3 HOT & COLD WATER RISER DIAGRAM



4 GAS RISER DIAGRAM

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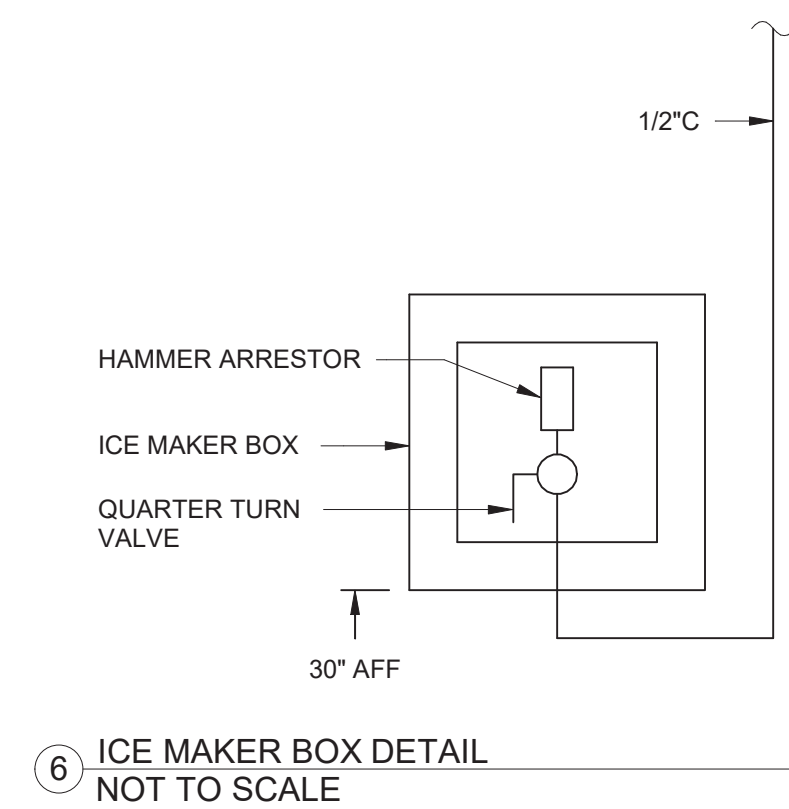
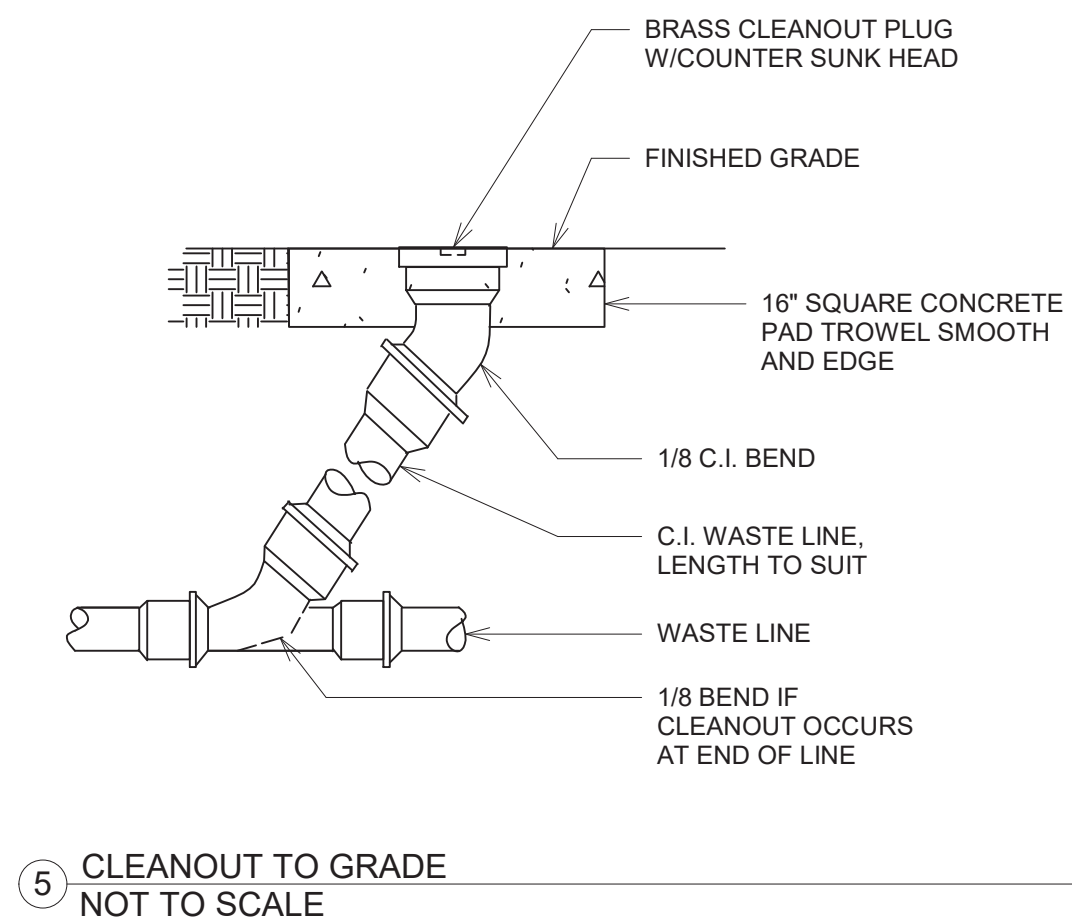
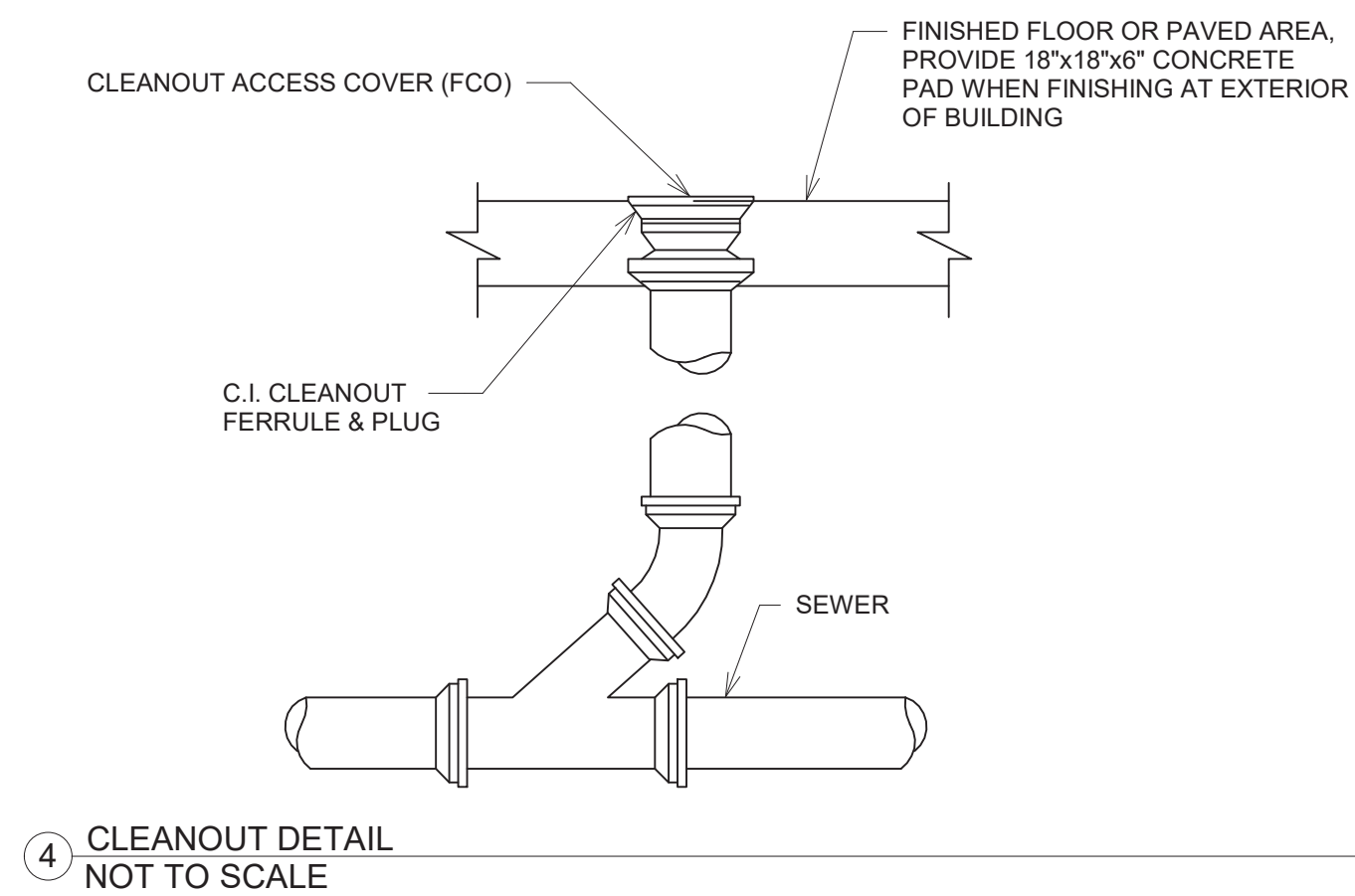
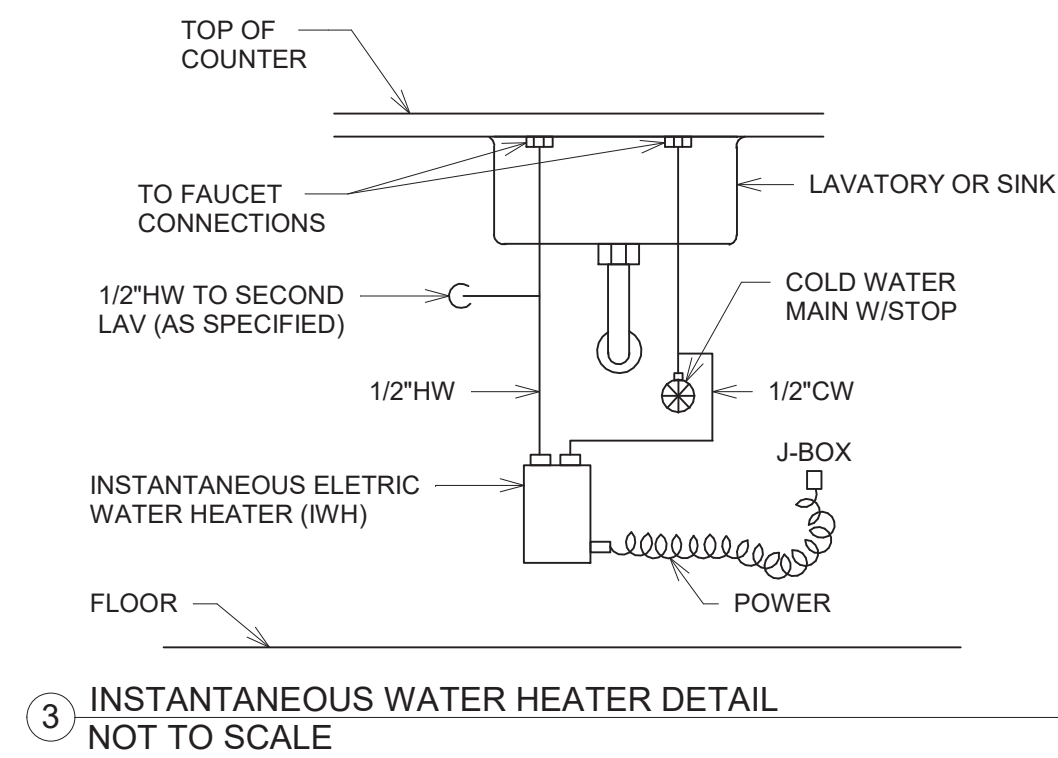
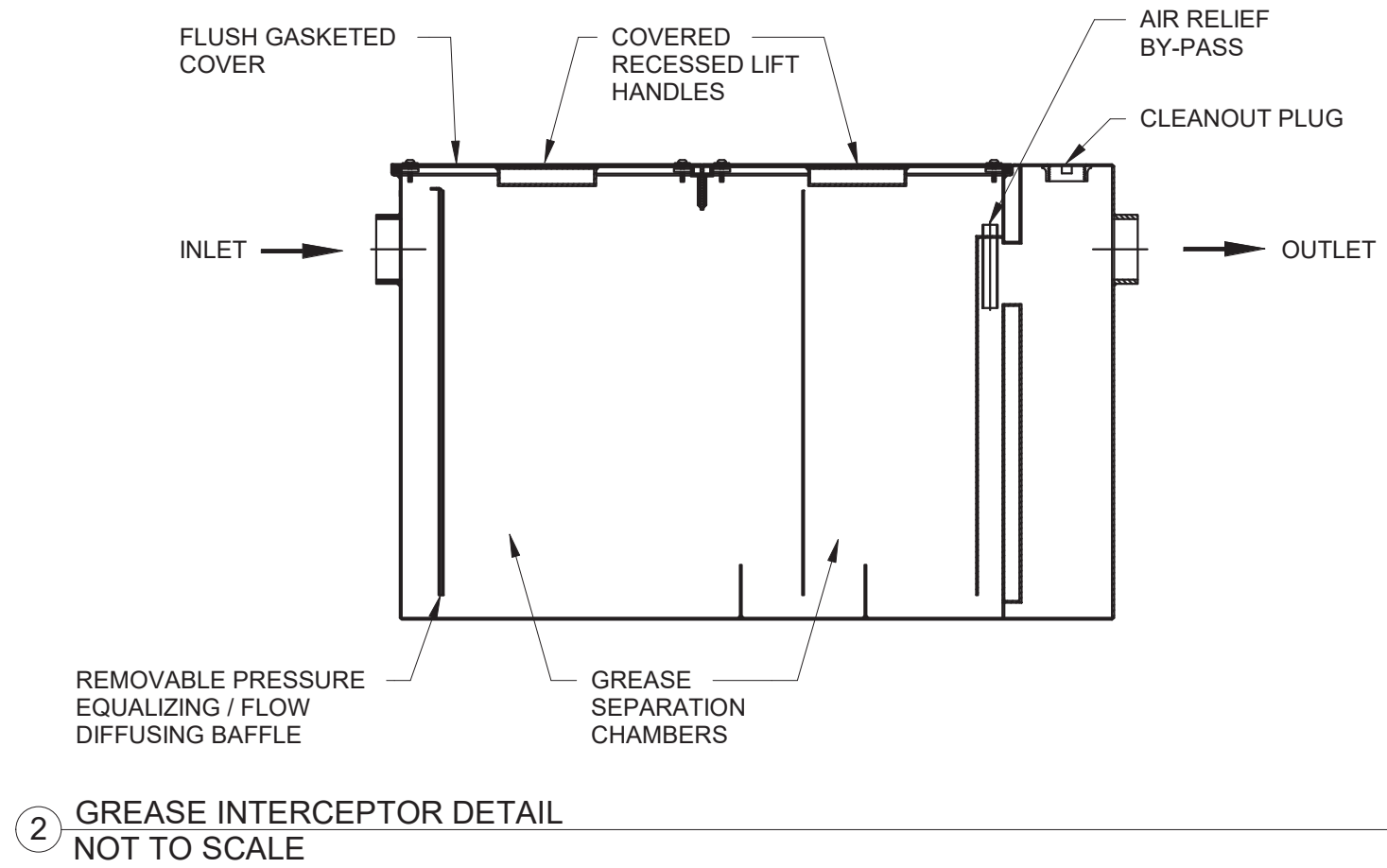
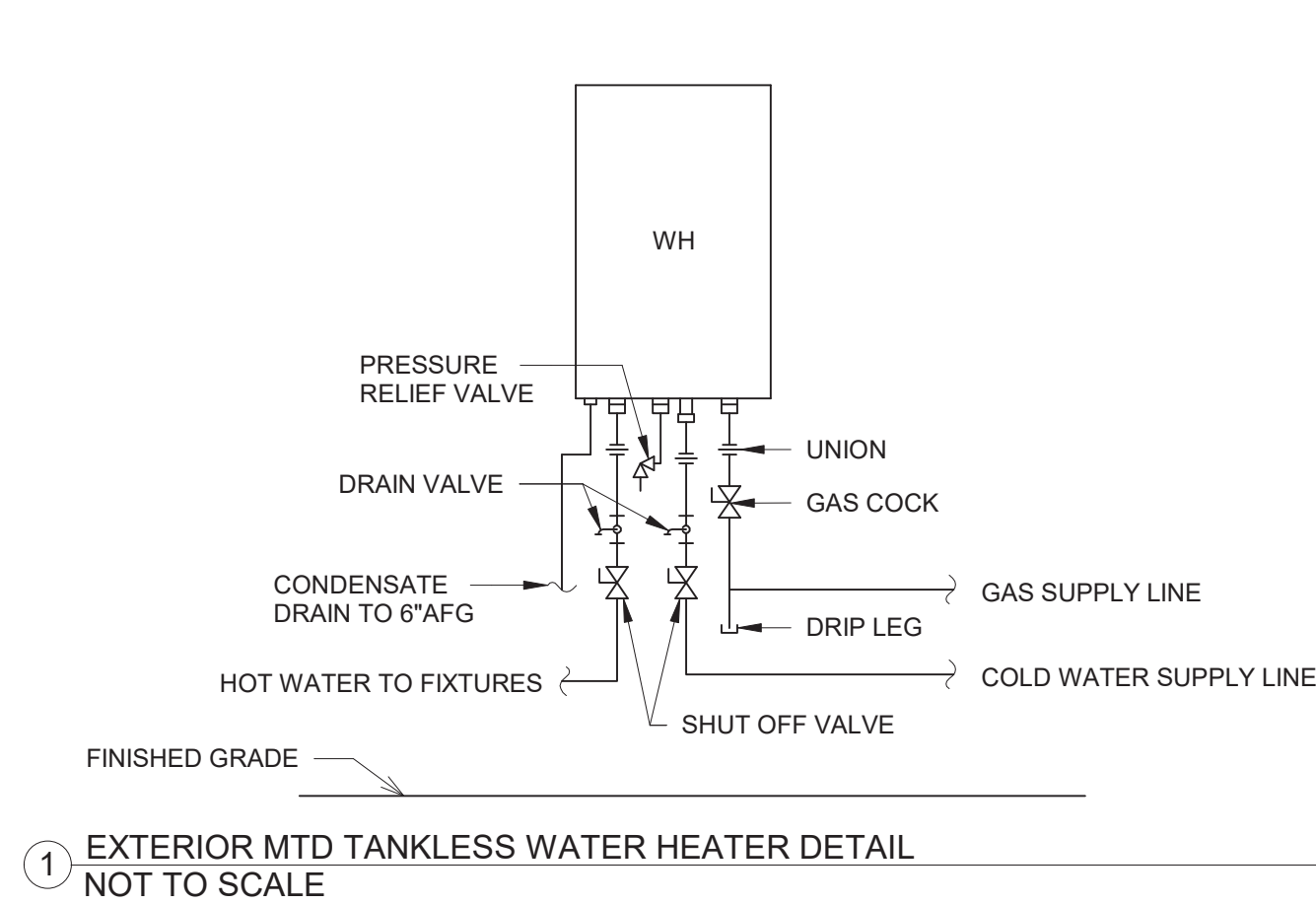


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Drawing Title:
PLUMBING
DETAILS

SHEET #
P4.2



Permit #: 21-09851-BC

Address: 2701 Bull Street

Project Name: _____

Date: 11/3/2021

CITY OF SAVANNAH
DEVELOPMENT SERVICES
November 03, 2021
Flood Review
Approved: BPrice

CITY OF SAVANNAH
DEVELOPMENT SERVICES
November 03, 2021
Building Review
Approved: yskelton

ALL EXTERIOR
SIGNAGE WILL
REQUIRE A
SEPARATE PERMIT

CITY OF SAVANNAH
DEVELOPMENT
SERVICES

PLAN
APPPROVED
05/20/2022

CITY OF SAVANNAH
PLANNING & URBAN DESIGN
November 15, 2021

Zoning Review
Approved: tbolton

CITY OF SAVANNAH
DEVELOPMENT SERVICES
November 01, 2021

Plumbing Review
Approved: CGerren

CITY OF SAVANNAH
DEVELOPMENT SERVICES
October 27, 2021

Mechanical Review
Approved: danliker

CITY OF SAVANNAH
DEVELOPMENT SERVICES
October 28, 2021

Electrical Review
Approved: MBignault

Certificate of Appropriateness

Streetcar Historic District

File No. 21-005551-COA

Approval Date: October 14, 2021

Signed By: Olivia Arfuso 10-20-2021

(Restoration and Replacement of Windows / Doors, Mechanical Screening and Masonry Cleaning ONLY)

• Plans reviewed for City of Savannah Construction & Life Safety Codes
This examination of the submitted documents does not relieve the owner, designers and contractor, nor their representatives, from their individual or collective responsibility to comply with the applicable provisions of the State Minimum Standard Codes and all applicable local codes. This examination is not to construe as a check of every item in the plans and does not prevent the Building Official from hereafter requiring corrections of errors in plans or construction.
A complete set of reviewed plans and specifications shall be maintained on the construction site.

• Smoke and CO Detector
☐ Yes ☐ No
Smoke detectors are required in each sleeping room, outside each sleeping area in the immediate vicinity of the bedrooms and on each story. Carbon monoxide detectors are required outside of sleeping areas in the immediate vicinity of bedrooms.

• Special Inspection
When special inspections in accordance with IBC Chapter 17 are required, refer to and coordinate with the statement of special inspections and schedule of special inspections as prepared by the Registered Design Professional. All required documents shall be submitted at the end of project completion or at the end of that phase of work before issuance of the Certificate of Occupancy. Submittal of inspection reports shall be organized per each section of the schedule. The Building Official may require interim reports before completion. Special inspectors engaged to perform the inspections shall be certified in accordance to State Amendment of the latest adopted IBC.

• Sprinkler and Fire Alarm
Refer to Fire Marshal's Office 912-644-5960 or 5961 for new or retrofit of fire sprinkler, fire alarm and/or fire suppression system.

• Revision
For any revisions of approved plans reviewed by the Building Official, pertaining to but not limited to reconfiguration of space, layout, structural and MEP, requires submittal of two sets of revised plans before proceeding, unless approved by the Building Official.

• Separate Sign and Awning Permit
All exterior signage and awning will require a separate permit.