

# FLAVOR HIVE

## 3287 1/2 M STREET NW. WASHINGTON DC 20007

### INTERIOR ALTERATION WITHIN AN EXISTING RESTAURANT



#### PROJECT TEAM

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#### APPLICABLE CODES:

- 2017 DISTRICT OF COLUMBIA BUILDING CODE [2015 EDITION OF THE INTERNATIONAL CODE PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC) AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12A, BUILDING CODE SUPPLEMENT)]1.
- 2017 DISTRICT OF COLUMBIA ELECTRICAL [2014 EDITION OF THE NATIONAL ELECTRICAL CODE PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12C, ELECTRICAL CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA FUEL GAS CODE [2015 EDITION OF THE INTERNATIONAL FUEL GAS CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12D, FUEL GAS CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA MECHANICAL CODE [2015 EDITION OF THE INTERNATIONAL MECHANICAL CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12E, MECHANICAL CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA PLUMBING CODE [2015 EDITION OF THE INTERNATIONAL MECHANICAL CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12F, PLUMBING CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA PROPERTY MAINTENANCE CODE [2015 EDITION OF THE INTERNATIONAL PROPERTY MAINTENANCE CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12G, PROPERTY MAINTENANCE CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA FIRE CODE [2015 EDITION OF THE INTERNATIONAL FIRE CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12H, FIRE CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE [2013 EDITION OF THE ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS( ANSI/ASHRAE/IES 90.1-2013) PUBLISHED BY ASHRAE (FORMERLY KNOWN AS THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC) AND THE 2015 EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE- RESIDENTIAL PROVISIONS PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12I, ENERGY CONSERVATION CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA EXISTING BUILDING CODE [2015 EDITION OF THE INTERNATIONAL EXISTING BUILDING CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12J, EXISTING BUILDING CODE SUPPLEMENT)].
- 2017 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE [2012 EDITION OF THE INTERNATIONAL GREEN CONSTRUCTION CODE PUBLISHED BY THE ICC AS AMENDED BY THE DISTRICT OF COLUMBIA CONSTRUCTION CODES SUPPLEMENT OF 2017 (DCMR 12K, GREEN CONSTRUCTION CODE SUPPLEMENT)].
- 2017 DCMR 12I, ENERGY CONSERVATION CODE SUPPLEMENT OF 2017-RESIDENTIAL PROVISIONS.  
2016 DCMR TITLE 11 ZONING REGULATIONS

#### GENERAL NOTES

- The contractor shall comply with all laws, rules and regulations and lawful orders of any public authority .
- If the contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, he shall assume full responsibility and shall bear all costs attributable thereto.
- Unless otherwise agreed upon, the general contractor is responsible for all required inspections during the course of work.
- All work shall comply with all applicable codes, amendments, rules regulations, ordinances, laws, orders, approvals, etc. That are required by public authorities.
- The contractor shall supervise and direct the work using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the contract.
- The contractor shall be responsible to the owner for the acts and omissions of his employees, and other persons performing any of the work under a contract with the contractor.
- The construction shall be carried out and supervised by a skilled and licensed contractor and subcontractor since the drawings and specifications cannot indicate every detail of the work and an experienced contractor's skill is necessary to execute the work properly.
- Discrepancies in the plans, dimensions, existing conditions, or any apparent error in classifying or specifying a product or its use is to be pointed out prior to the commencement of the work. Addenda will be issued as necessary and will become part of the contract documents.
- The contractor shall order and schedule the delivery of materials in ample time to avoid delays in construction. If any item is found to be unavailable or have a long lead time the contractor shall notify the architect immediately.
- The contractor shall be responsible for checking contract documents, field conditions, and dimensions for accuracy and confirming that the work is biddable as shown at bid submittal and before proceeding with Construction. Clarifications regarding any conflicts shall be issued prior to related work being started.
- The contract documents include the working drawings and specifications (construction documents), addenda, modifications, clarifications, and the construction contract.
- The contractor shall verify that no conflicts exist in the location of any and mechanical, telephone, electrical, plumbing, and sprinkler equipment (to include all piping, duct work, structural members, and conduit). And that all required clearances for installation and maintenance of above equipment are provided.
- The contractor and subcontractors shall coordinate the layout and exact location of all partitions, doors, electrical/telephone outlets, and light switches in the field before proceeding with the final installation.
- The contractor shall follow manufacturer's recommended specifications and installation procedures at all times. If any of these are contrary to the contract documents the contractor shall notify the architect in writing immediately to resolve discrepancies prior to proceeding.
- Exercise extreme care and precaution during construction of the work to minimize disturbances to adjacent structures and their occupants.
- The finished work shall be firm, well anchored, in true alignment, plumb, level, with smooth, clean uniform appearance without waves, distortions, holes, marks, cracks, stains, or discoloration. Joints shall be close to fitting, neat, and well scribed. The finish work shall have no exposed unsightly anchors or fasteners and shall not present hazardous, unsafe corners. All work shall have the provision for expansion, contraction, shrinkage, and warping due to temperature and humidity conditions.
- Attachments, connections, or fasteners of any nature are to be properly and permanently secured.
- The contractor shall continuously check the architectural clearances for accessibility of equipment and mechanical and electrical systems. No allowances of any kind will be made for the contractor's negligence to foresee means of installing equipment into its position.
- The contractor shall follow all landlord "building rules and regulations" and "tenant contractor regulations". The contractor shall be responsible for obtaining and complying to all landlord and building regulations.
- The contractor shall take all reasonable control and precaution to eliminate dust, noise, odor, nuisance, and the like to the premises and occupancy. The contractor is to provide a thorough cleaning of the entire space as part of the substantial completion.
- Contractor for a period of twelve months from the date of substantial completion and acceptance by the tenant, shall adjust, repair, or replace at no cost to the tenant any item of equipment, material, or workmanship found to be defective, unless otherwise agreed.
- Contractor is responsible for daily removal of all trash and debris.

#### FIRE ALARM NOTE

THE EXISTING FIRE ALARM SYSTEM IS IN PERFECT WORKING CONDITION AND WILL REMAIN AS IS.

#### SPRINKLER SYSTEM:

SPRINKLERS (IBC SECTION 903):	NO
STANDPIPES (IBC SECTION 905):	NO
FIRE DISTRICT (REFERENCE LOCAL AUTHORITY)	NO
HIGH RISE (IBC SECTION 403):	NO
MEZZANINE (IBC SECTION 505):	NO
FIRE ALARM (IBC SECTION 907, 2010 NFPA 72	YES

#### INTERIOR FINISH REQUIRMENTS

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED AS FOLLOWS AND SHALL BE RESTRICTED FOR USE BY THE FOLLOWING TABLE AS DEFINED IN IBC 2015

CLASS	FLAME SPREAD	SMOKE DEVELOPMENT
A	0-25	0-450
B	26-75	0-450
C	76-200	0-450

WALL & CEILING FINISHES (IBC 2015 TABLE 803.11)

SECTION	USE GROUP	SPRINKLERED		
		EXIT PASSAGE	EXIT ACCESS	ROOMS
T 803.11	(A-2) ASSEMBLY	B	B	C

#### TENANT SPACE FORMATION:

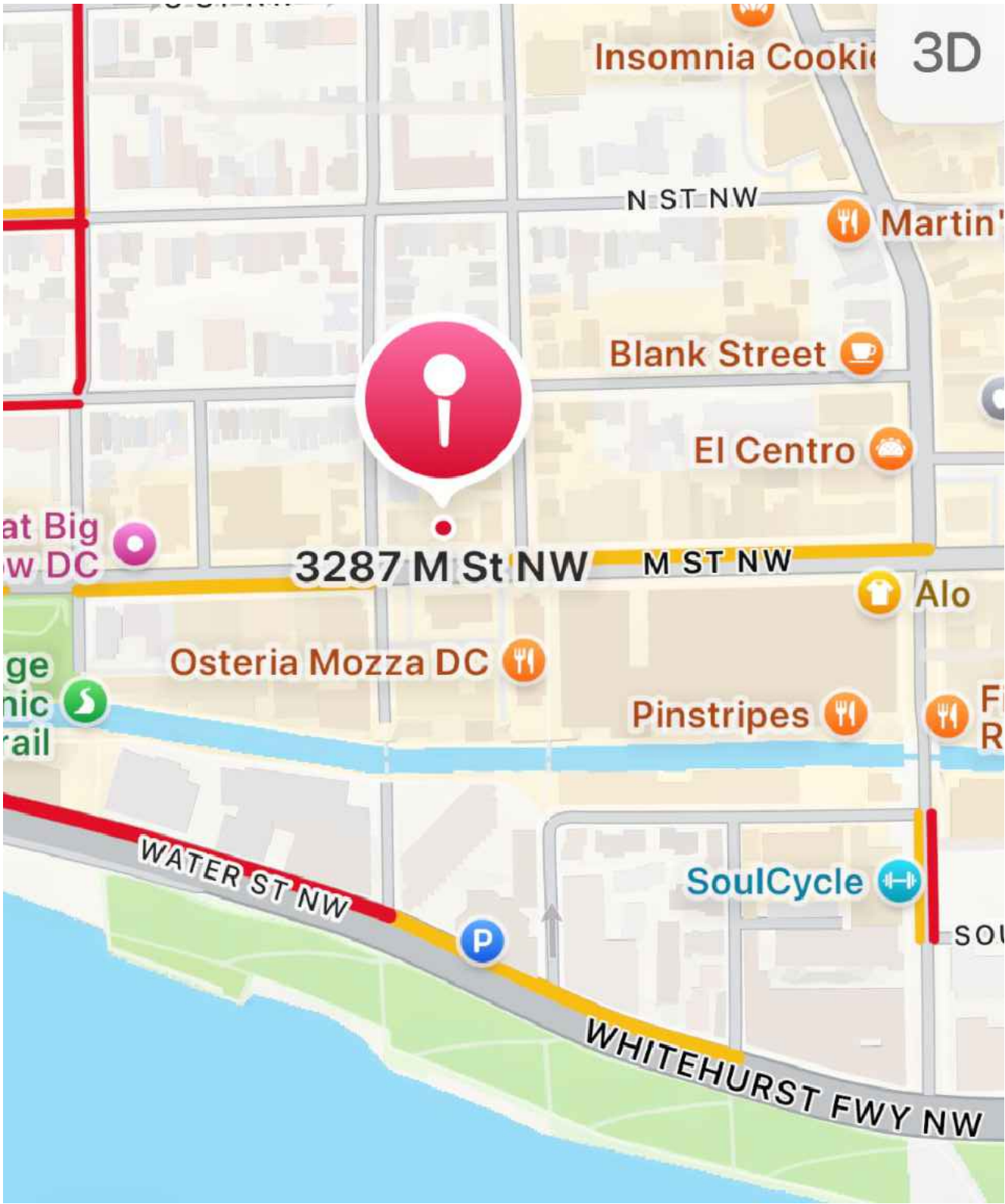
BUILDING STORIES: 4 (3 ABOVE GRADE)  
TENANT SPACE GFA: 1,678 S.F.  
BUILDING TYPE OF CONSTRUCTION: IIB  
ELECTRICAL SERVICE: 2x200 AMP / EXISTING TO REMAIN  
HVAC EQUIPMENT, EXISTING CU-1 TOTAL TONNAGE: 10 TONS / TO BE REPLACED  
USE GROUP: A-2 (ASSEMBLY) / NO CHANGE

#### OCCUPANT LOAD:

OCCUPANT COUNT PER USE BY CODE IBC TABLE 1004.1.1	OCC. LOAD FACTOR PER SF	AREA	CODE OCCUPANT LOAD	PROPOSED OCCUPANT LOAD
DINING ROOM	15 S.F.	494 SF	33	
STANDING	5 S.F.	60 SF	12	
KITCHEN, PREP & SERVICE	200 S.F.	512 SF	3	
STORAGE	300 S.F.	223 SF	1	
TOTAL OCCUPANT LOAD			49	49

#### SCOPE OF WORK

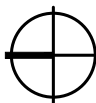
PROPOSED ALTERATION WITHIN AN EXISTING RESTAURANT. NO CHANGE OF USE. NO INCREASE OF SQUARE FOOTAGE. NO MAJOR CHANGE TO THE SPACE LAYOUT. EXISTING DEMISING TENANT SPACE SEPARATION 2HR FIRE RATED WALL TO REMAIN. NO CHANGE TO BUILDING STRUCTURE. NO SITE WORK. THE SCOPE OF WORK CONSIST OF CONSTRUCTING A NEW SERVICE COUNTER, INSTALLING A NEW COOKING EQUIPMENT UNDER THE EXISTING EXHAUST HOOD. REPLACING EXISTING PLUMBING FIXTURES. ALTERATION TO THE ELECTRICAL AND HVAC SYSTEMS.



#### VICINITY MAP



0' 2' 4' 8'



FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007

COUNTY COMMENTS 07-07-2025

DATE: 06/11/2025

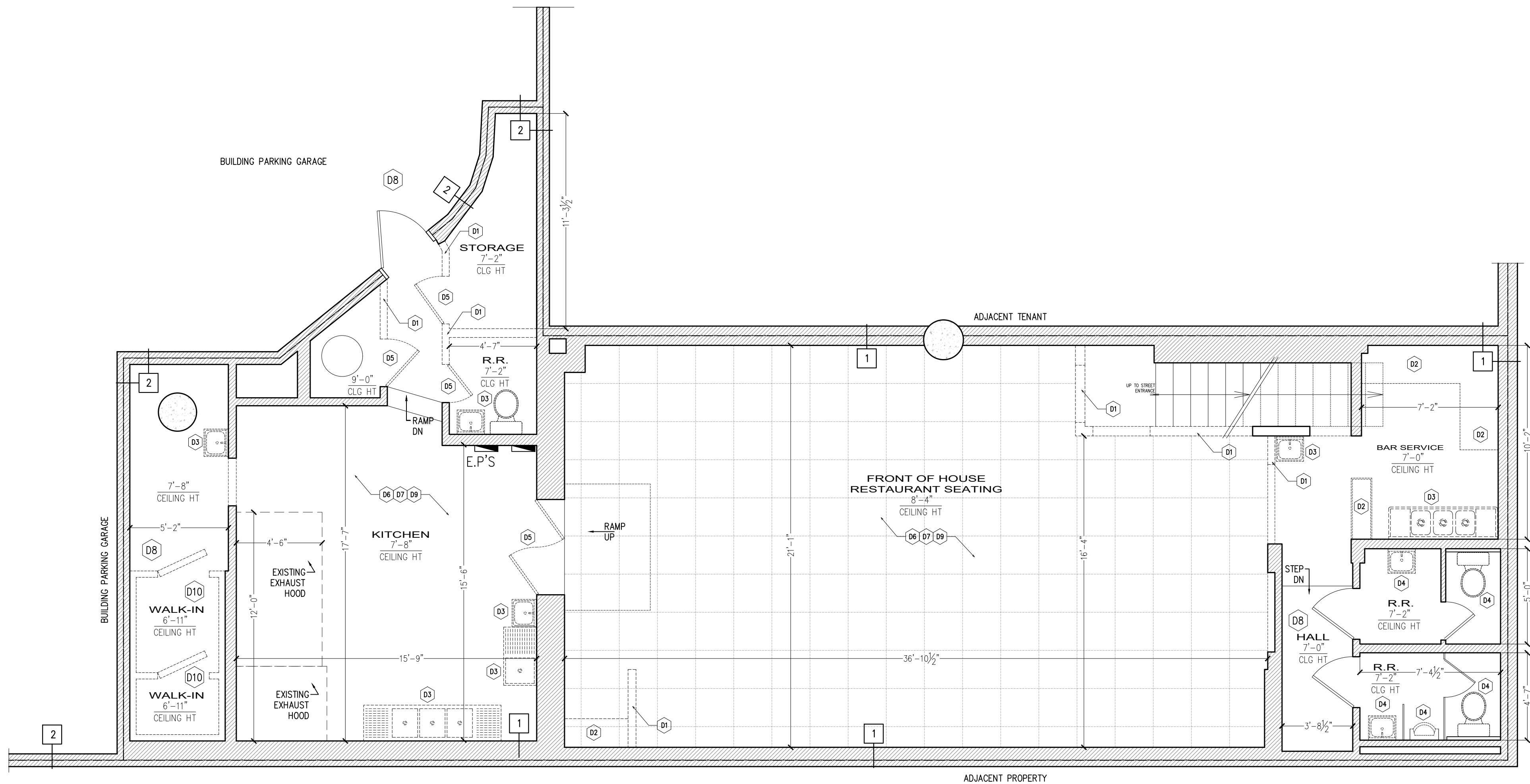
PROJECT NO:

DRAWN BY: HM

CHECKED BY: PE

A000

COVER SHEET  
Seal of the Engineering Adjustment  
District of Columbia  
CASE NO. 21394  
EXPIRATION: 10-3



1 LOWER LEVEL DEMOLITION PLAN  
001 1/4" = 1'-0"

### DEMOLITION NOTES

- D1 REMOVE EXISTING NON-BEARING WALL ASSEMBLIES TO THE EXTENT SHOWN OR REQUIRED FOR NEW WORK. RETAIN & PROTECT FEATURES TO REMAIN.
- D2 REMOVE EXISTING MILLWORK / CASEWORK
- D3 REMOVE EXISTING PLUMBING FIXTURE.
- D4 REMOVE AND REPLACE EXISTING PLUMBING FIXTURE. EXISTING PLUMBING COPPER WATER SUPPLY PIPES AND PVC WASTE PIPES TO REMAIN
- D5 REMOVE EXISTING DOOR AND DOOR FRAME
- D6 REMOVE ALL EXISTING ELECTRICAL SWITCHES AND POWER OUTLETS BACK TO JUNCTION BOX AS REQUIRED. GC TO RELOCATE IN COORDINATION WITH ELECTRICAL APPROVED DRAWINGS.
- D7 PREPARE FLOOR TO RECEIVE NEW FLOOR FINISHED. ALL DRAINS, CONDUITS SHALL BE CAPPED AND SEALED BELOW FLOOR. ALL PITS, DEPRESSIONS, TRENCHES AND OTHER HOLES IN THE CONCRETE SLAB SHALL BE PATCHED, LEVELED TO THE FLOOR ELEVATION.
- D8 CONTRACTOR SHALL PROTECT AREAS NOT IN SCOPE OF WORK FROM GETTING DAMAGED DURING CONSTRUCTION.
- D9 REMOVE EXISTING SUSPENDED CEILING AND CEILING LIGHTS AS SHOWN OR REQUIRED.
- D10 REMOVE EXISTING WALK IN COOLER & FREEZER AS SHOWN OR REQUIRED

### WALL & PARTITION SCHEDULE:

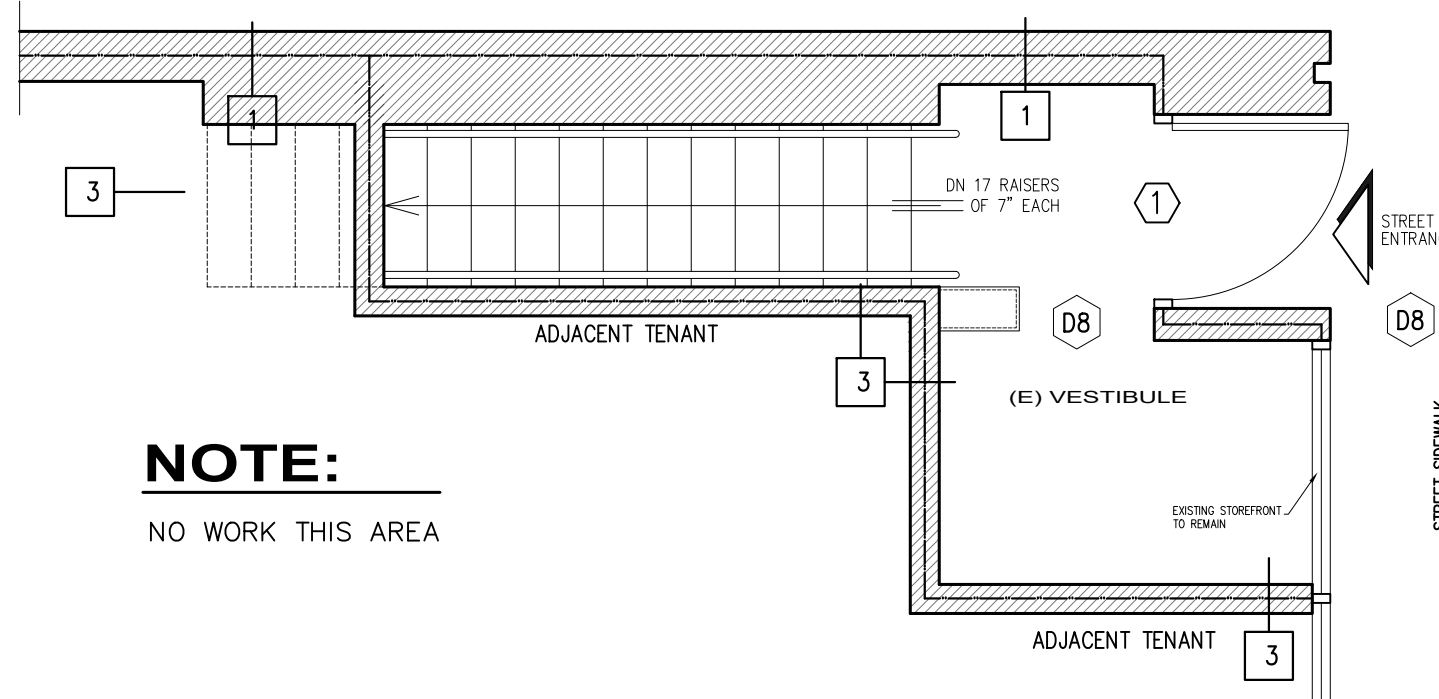
- 1 EXISTING DEMISING WALL CONSTRUCTED WITH 8" CMU BLOCKS, GWB OVER METAL FURRING STRIPS ON INTERIOR SIDE. 2HRS FIRE RATED (ASSUMED TO BE UL DESIGN U914.)
- 2 EXISTING DEMISING WALL CONSTRUCTED WITH 8" CMU BLOCKS, 2HRS FIRE RATED
- 3 EXISTING DEMISING WALL CONSTRUCTED WITH 3/8" TYPE X GWB ON BOTH SIDES OF 6" METAL STUDS, 2HRS FIRE RATED. ASSUMED TO BE UL DESIGN U 419

### WALL LEGEND:

- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED
- EXISTING FIRE SEPARATION WALL TO REMAIN

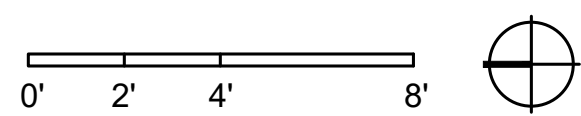
### GENERAL DEMOLITION NOTES:

- A. GENERAL CONTRACTOR SHALL PROVIDE DEMOLITION AS REQUIRED FOR THE CONSTRUCTION OF THE SPACES DETAILED IN THE ARCHITECTURAL PLANS.
- B. ENTIRE SCOPE OF DEMOLITION WORK IS NOTE NECESSARILY INDICATED IN THESE DRAWINGS. GENERAL CONTRACTOR SHALL VISIT THE JOBSITE TO DETERMINE QUANTITY OF MATERIALS AND COMPONENTS TO BE REMOVED TO CONSTRUCT THE PROJECT. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF LANDLORD / ARCHITECT. GENERAL CONTRACTOR TO COORDINATE A PRE-CONSTRUCTION MEETING WITH ON-SITE MANAGEMENT PRIOR TO BEGINNING ANY WORK.
- C. REMOVE ALL DEBRIS ON DAILY BASIS TO GENERAL CONTRACTOR PROVIDED CONTAINERS IN DESIGNATED AREAS. COORDINATE WITH LANDLORD'S SITE MANAGEMENT.
- D. DEMOLITION OF ITEMS SHALL INCLUDE COMPLETE REMOVAL OF ANY ASSOCIATED ELECTRICAL, MECHANICAL, OR PLUMBING COMPONENTS. ABANDONED FLOOR PENETRATIONS SHALL BE PROPERLY SEALED IN ACCORDANCE WITH LANDLORD REQUIREMENTS PRIOR TO INSTALLATION OF ANY FLOORING MATERIALS.
- E. COORDINATE ALL WORK IN DEMISING WALLS, ROOFS AND IN FLOORS WITH THE LANDLORD'S SITE MANAGEMENT.
- F. THE FIRE RATING AND THE STRUCTURAL INTEGRITY OF EXISTING FLOORS, DEMISING WALLS AND COLUMNS SHALL BE MAINTAINED DURING DEMOLITION. GENERAL CONTRACTOR TO PATCH AND REPAIR THESE ASSEMBLIES AS REQUIRED. COORDINATE WITH LANDLORD'S SITE MANAGEMENT.
- G. VERIFY THE SCOPE OF DEMOLITION WORK TO DETERMINE IF ANY EXISTING EQUIPMENT IS TO REMAIN.



NOTE:  
NO WORK THIS AREA

2 EXISTING UPPER LEVEL PLAN  
001 STREET ENTRANCE 1/4" = 1'-0"

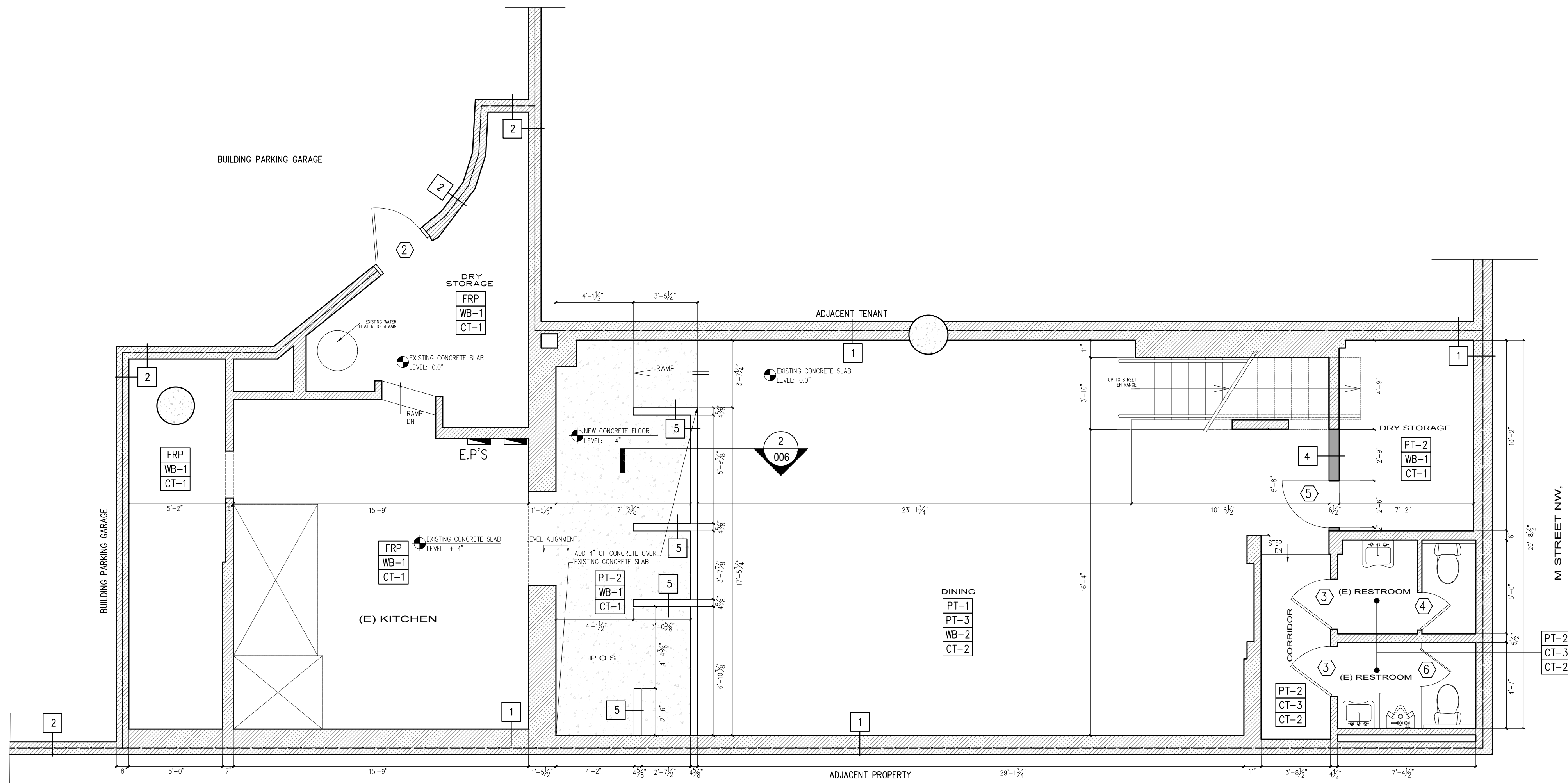


FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007

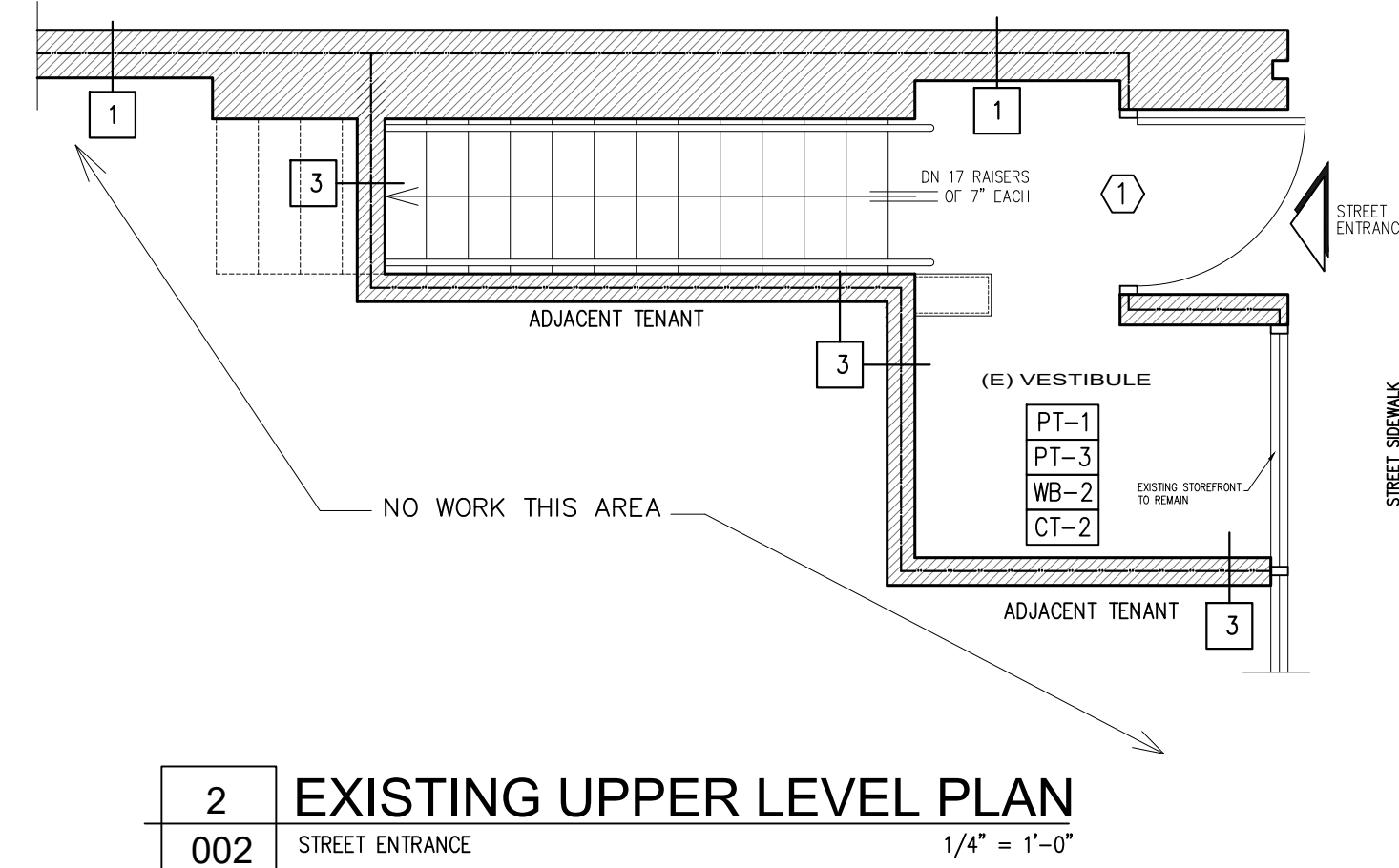
DATE: 06/11/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY: HM

A001

LOWER LEVEL DEMOLITION  
PLAN



1 LOWER LEVEL NEW WORK PLAN  
002 1/4" = 1'-0"



2 EXISTING UPPER LEVEL PLAN  
002 1/4" = 1'-0"

### WALL & PARTITION SCHEDULE:

- 1 EXISTING DEMISING WALL CONSTRUCTED WITH 8" CMU BLOCKS, GWB OVER METAL FURRING STRIPS ON INTERIOR SIDE. 2HRS FIRE RATED (ASSUMED TO BE UL DESIGN U914.)
- 2 EXISTING DEMISING WALL CONSTRUCTED WITH 8" CMU BLOCKS, 2HRS FIRE RATED
- 3 EXISTING DEMISING WALL CONSTRUCTED WITH 3/8" TYPE X GWB ON BOTH SIDES OF 6" METAL STUDS, 2HRS FIRE RATED. ASSUMED TO BE UL DESIGN U 419
- 4 NEW PARTITION WALL CONSTRUCTED W/ 3/8" GWB ON BOTH SIDES OF 3-5/8 20GA METAL STUDS @ 24" O.C. PARTITION WALL IS FROM CONCRETE SLAB TO THE UNDERSIDE OF EXISTING CEILING / FLOOR CONCRETE SLAB ABOVE SEE WALL SECTION DETAIL 3/002 THIS SHEET.
- 5 NEW LOW WALL OF 1/2" GWB ON BOTH SIDES OF 3-5/8" X 20GA METAL STUDS @ 16" O.C., H: 36" A.F.F

### NOTE:

ALL INTERIOR FINISHES MEET THE FLAME SPREAD AND SMOKE DEVELOPMENT REQUIREMENTS OF IBC 2021 SECTION 803.1.1 AND TABLE 803.9 BUILDING CODE DATA SECTION L

### WALL LEGEND:

- EXISTING WALLS TO REMAIN
- NEW FRAMED WALLS.

### HARDWARE SETS:

#### HARDWARE SET #1

- HINGES: 1 1/2 PAIR, STANLEY #FBB191, 3-1/2"x3-1/2".
- LOCKSET: SCHLAGE S-SERIES, PRIVACY #S40D "SATURN" STYLE LEVER ADA-APPROVED.
- STOP (WALL): IVES #409 1/2.
- SILENCERS: IVES #SR64, 3 PER DOOR.
- DOOR CLOSER: SARGENT #281.

#### HARDWARE SET #2

##### EXISTING HARDWARE:

- DOOR CLOSER: SARGENT
- PANIC DEVICE: DETEX, FIRE RATED.

#### HARDWARE SET #3

- HINGES: 1 1/2 PAIR, STANLEY #FBB191, 3-1/2"x3-1/2".
- LOCKSET: SCHLAGE S-SERIES, KEYED #S40D "SATURN" STYLE LEVER ADA-APPROVED.
- STOP (WALL): IVES #409 1/2.
- SILENCERS: IVES #SR64, 3 PER DOOR.
- DOOR CLOSER: SARGENT #281.

#### HARDWARE SET #4

- HINGES: 1 1/2 PAIR, STANLEY #FBB191, 3-1/2"x3-1/2".
- LOCKSET: SCHLAGE S-SERIES, KEYED #S40D "SATURN" STYLE LEVER ADA-APPROVED.
- STOP (WALL): IVES #409 1/2.
- SILENCERS: IVES #SR64, 3 PER DOOR.
- DOOR CLOSER: SARGENT #281.

### FINISH SCHEDULE

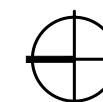
CODE	MATERIALS	MANUFACTURER	DESCRIPTION
PT-1	PAINT	SHERWIN-WILLIAMS	FLAT FINISH ON EXPOSED CONCRETE CEILING. TBD
PT-2	PAINT	SHERWIN-WILLIAMS	SEMI-GLOSS FINISH ON WALLS. COLOR TBD
PT-3	PAINT	SHERWIN-WILLIAMS	FLAT FINISH ON WALLS. COLOR TBD
WB-1	QUARRY WALL BASE	DALTILE QUARRY	ARID GRAY Q-3565 5"x6"
WB-2	PRIMED PINE WOOD WALL BASE	SMOOTH LUMBER	SEMI-GLOSS FINISH ON BASE. COLOR TBD
CT-1	FLOOR QUARRY TILE	DALTILE QUARRY	ARID GRAY OQ42 6"x6"
CT-2	FLOOR CERAMIC TILE	LOGAN MARBLESYSTEMS.COM	48" X 24" ANTRASIT
CT-3	WALL CERAMIC TILE	AMJOLICA MARBLESYSTEMS.COM	5" x 10" PEARL GRAY (FLOOR TO CEILING)
FRP	FIBER REINFORCED PANELS	FRP SEQUENTIA 0.09"	MODEL # FTSTF-3 WHITE

### DOOR SCHEDULE

MARK	LOCATION	SIZE	TYPE	FRAME	DOOR	HARDWARE SET	NOTE
1	(E) MAIN ENTRANCE	3'-8" x 6'-8"	SW	ALUM.	ALUM./GLAZING	(E)#2	EXISTING DOOR WITH PANIC BAR & DOOR CLOSER
2	(E) SERVICE DOOR	3'-0" x 6'-8"	SW	METAL	METAL	(E)#2	EXISTING DOOR WITH PANIC BAR & DOOR CLOSER
3	(E) RESTROOM	2'-8" x 6'-8"	SW	METAL	WOOD	#3	EXISTING DOOR. G.C TO INSTALL NEW HARDWARE
4	(E) RESTROOM	2'-4" x 6'-8"	SW	METAL	WOOD	#1	EXISTING DOOR. G.C TO INSTALL NEW HARDWARE
5	DRY STORAGE	2'-6" x 6'-8"	SW	METAL	WOOD	#4	
6	(E) RESTROOM	2'-4" x 5'-0"	SW		METAL		EXISTING RESTROOM PARTITION DOOR EQUIPPED W/ PRIVACY LOCK



0' 2' 4' 8'



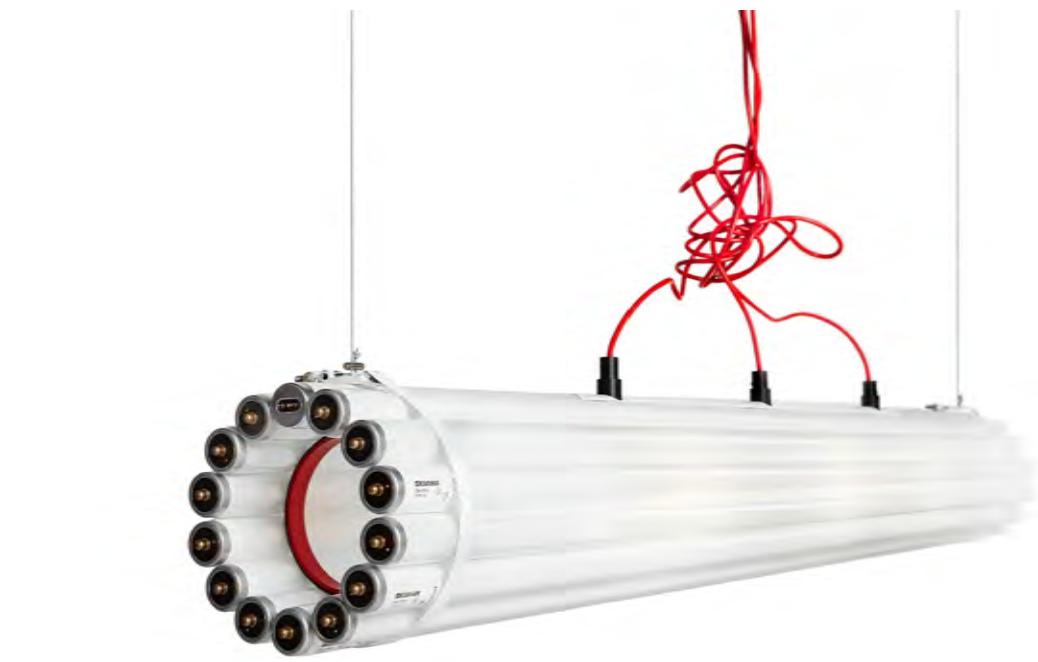
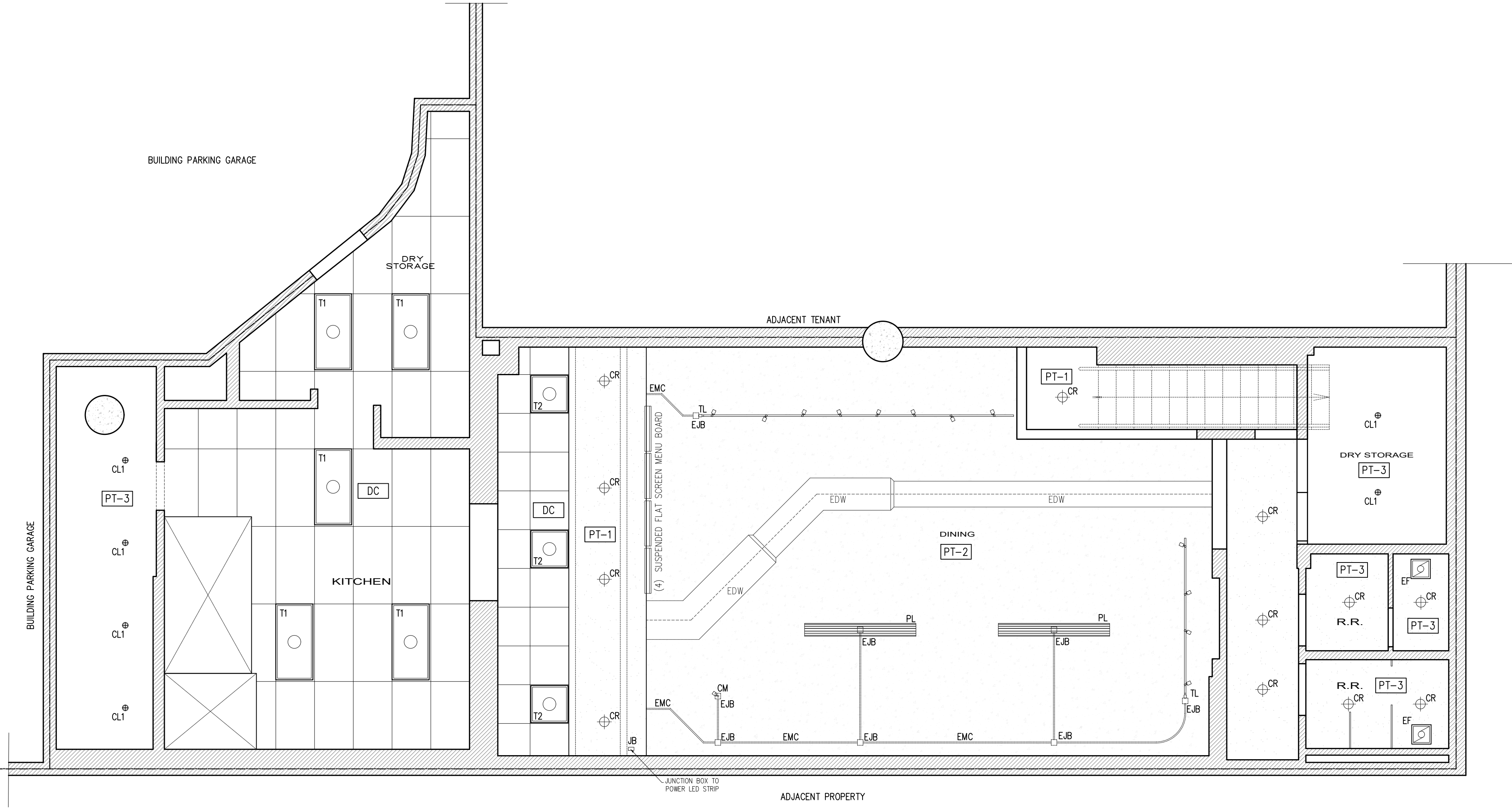
FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007

DATE: 06/11/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY:

A002

NEW WORK FLOOR PLANS





PENDANT LIGHT COMMUNAL TABLE



TRACK LIGHTING SYSTEM

1 REFLECTED CEILING PLAN  
004 1/4" = 1'-0"

LIGHTING SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER/ CONTACT INFO	STYLE/ MODEL NO.	COLOR/ FINISH	WATTS / LUMENS	VOLTAGE	DIMMING	NOTES	MOUNTING HEIGHT
T1	24x48 LED TROFFER	HALCO	24FSVPL/8DU	WHITE	LED 24 WATTS 3384 LM	120/1/60			SUSPENDED CEILING MOUNTED
T2	24x24 LED TROFFER	LITHONIA LIGHTING	2ALT2	WHITE	LED 34 WATTS 3217 LM	120 V	NO		SUSPENDED CEILING MOUNTED
CR	CONCEALED RECESSED DOWNLIGHT	LIGHTOLIER / DOMINION ELECTRIC 703-536-4400	6" COREPRO LED DOWNLIGHT CP6RB07830W 835 LM 3000K	WHITE	11.0 Watts 835 LM	120 V	YES	P6R LYTE-PROFILE HOUSING CCT: 3000K	FRAMED BULKHEAD MOUNTED
CL1	CEILING FLUSH-MOUNT	KUZO LIGHTING build.com	81711-BK	BLK	100 Watts	120 V	YES		(E) CONCRETE CEILING
PL	PENDANT LIGHT	CASTOR DESIGN lightology.com	RECYCLED TUBE LIGHT TL-6	BLK	11.1 Watts 3000K	120 V	NO		SUSPENDED Ø90" A.F.F.
CM	CEILING SPOT LIGHT	SATCO-NUVO build.com	HEXAGONAL DESIGN LED LL0186M40W	BLK	40 Watts 4000K	120 V	NO		(E) CONCRETE CEILING
LED	LED TAPE LIGHT W/ ADHESIVE BACK	EFFICIENT-TEC INTERNATIONAL FLEX LED	7250101 / C22		WARM WHITE 3000 K	120 V	NO		ABOVE BULKHEAD
TL	LINEAR TRACK LIGHTING SYSTEM	NUVO LIGHTING build.com	TRACK: TR121- 8'-0" LED TRACK HEAD: TH464 SQUARE	BLACK	LED 12 WATTS 3000 LM	120/1/60	YES		(E) CONCRETE CEILING

FINISH SCHEDULE

CODE	MATERIALS	MANUFACTURER	DESCRIPTION
PT-1	CEILING PAINT	SHERWIN-WILLIAMS	SATIN ON CEILING / COLOR TBD
PT-2	CEILING PAINT	SHERWIN-WILLIAMS	FLAT ON CEILING / COLOR: SW6993
PT-3	CEILING PAINT	SHERWIN-WILLIAMS	SEMI-GLOSS ON CEILING & WALLS / COLOR TBD
DC	ACOUSTICAL SUSPENDED CEILING	USG/ LAT-IN ACOUSTICAL PANELS	TILE: VINYL SMOOTH WASHABLE FINISH / ITEM # 3270 GRID: USG DXLA

LEGEND:

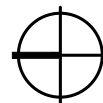
⊕CR	6" LED CONCEALED RECESSED LIGHT FIXTURE
□JB	JUNCTION BOX FOR SELF-ADHESIVE LED STRIP
EMC	EXPOSED METAL CONDUIT
EJB	EXPOSED METAL JUNCTION BOX
EDW	EXPOSED HVAC DUCT WORK
TL	TRACK LIGHTING SYSTEM
PL	PENDANT LIGHT
○	LED TROFFER
▨	FRAMED DRYWALL CEILING
▩	EXPOSED CONCRETE CEILING

NOTE:

EXIT SIGNS LOCATION & SPECS ON ELECTRICAL DRAWINGS



0' 2' 4' 8'

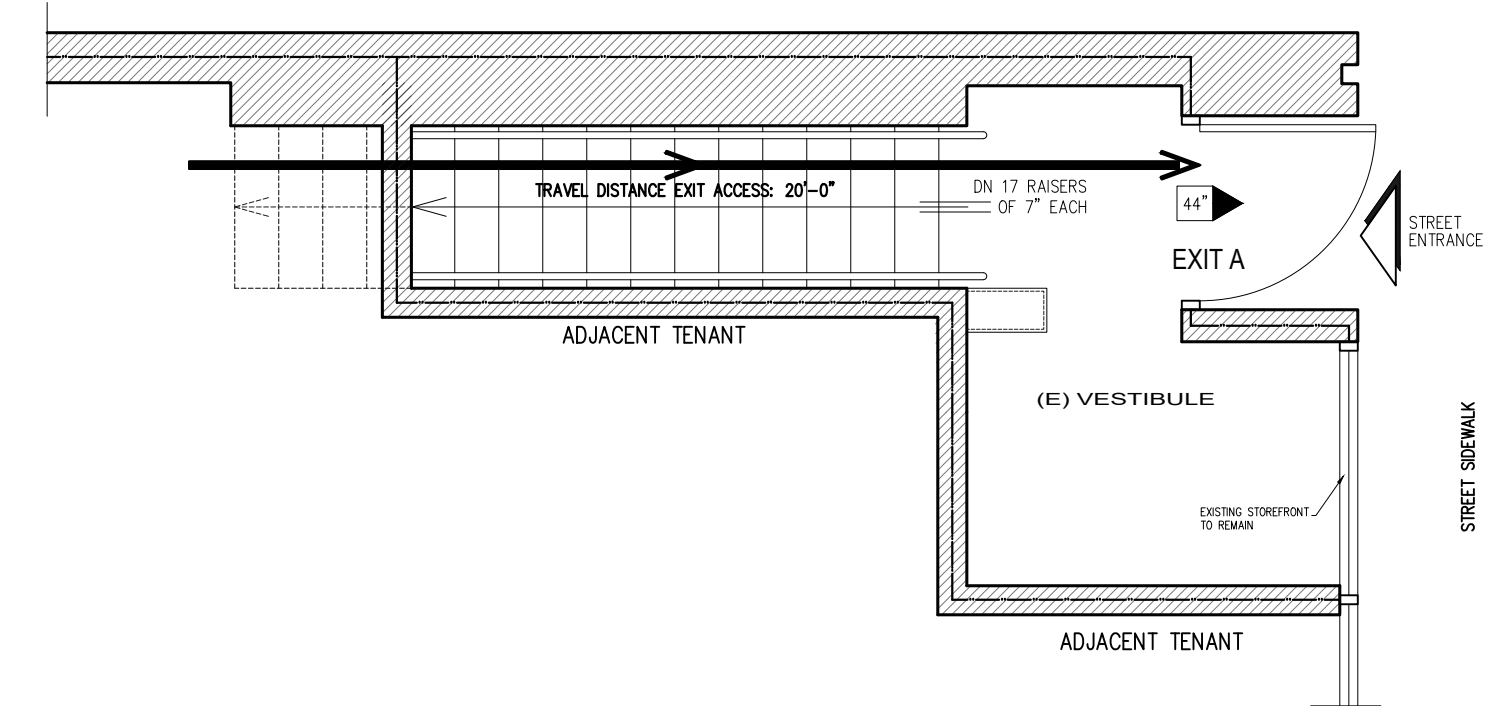


FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007

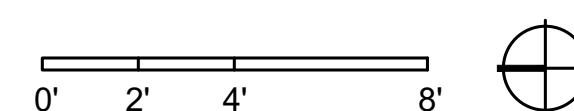
A004

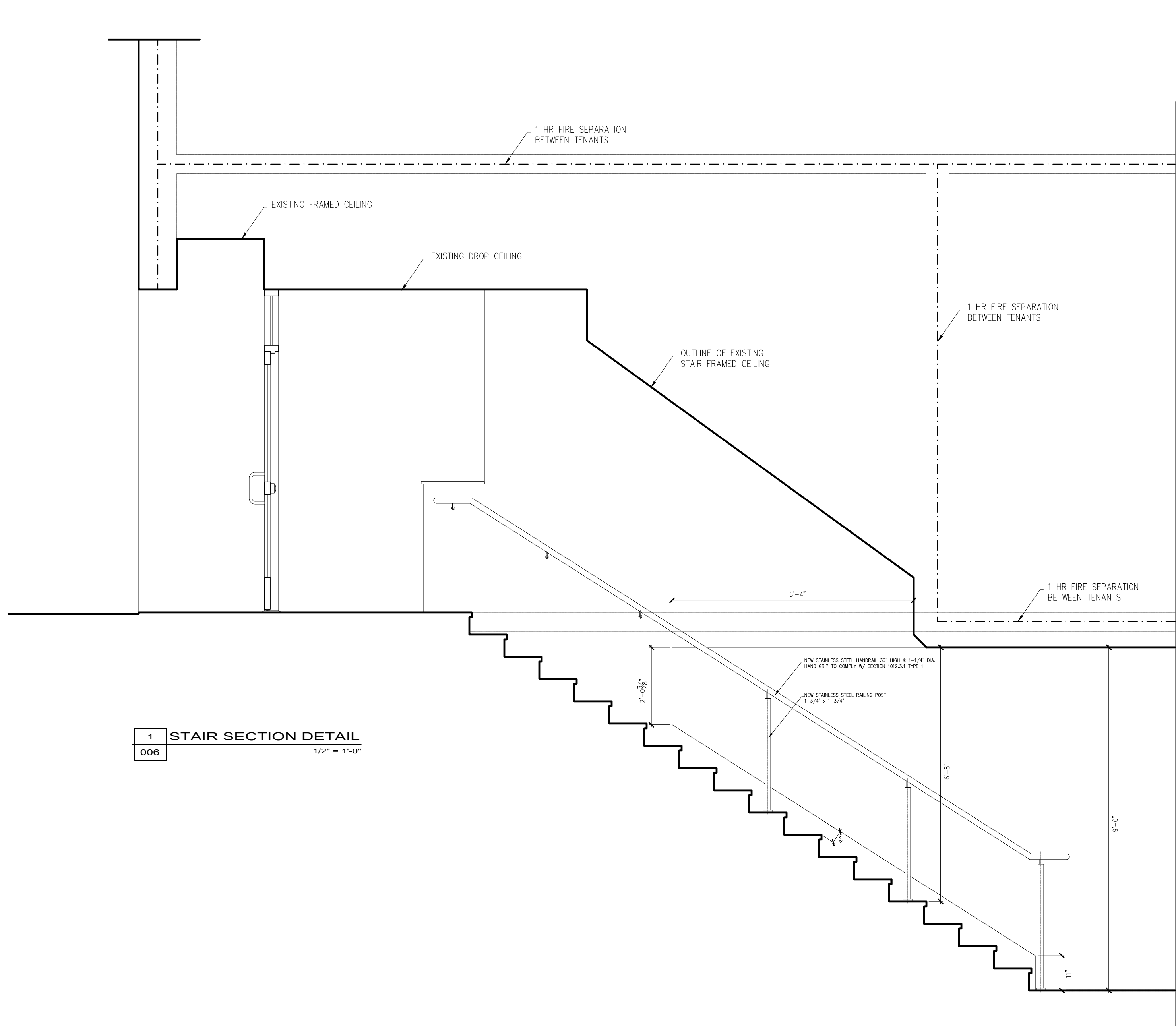
LOWER LEVEL REFLECTED  
CEILING PLAN

DATE: 06/11/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY:

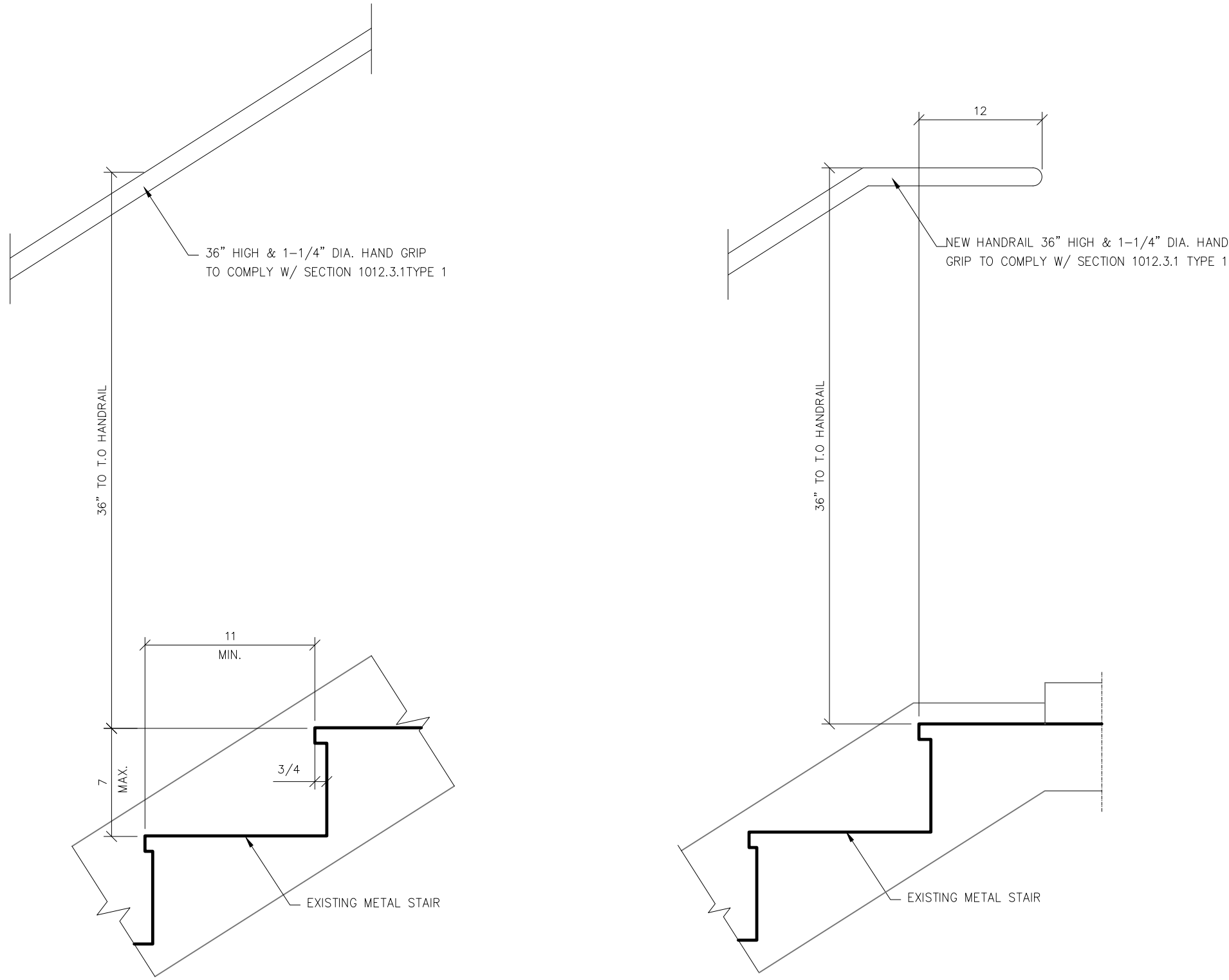


EGRESS PLAN

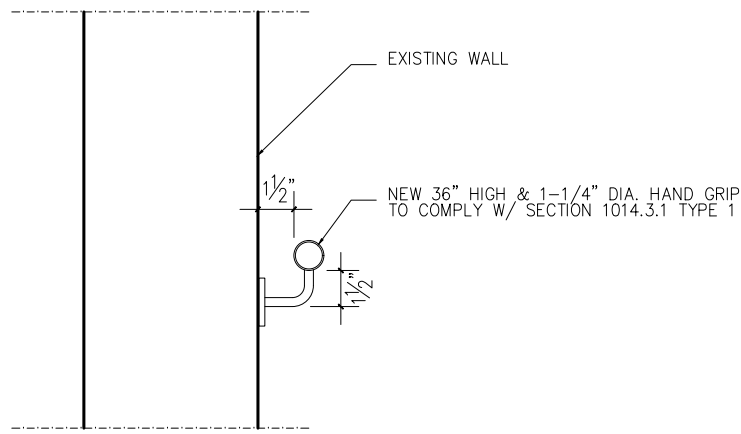




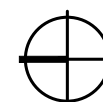
1 STAIR SECTION DETAIL  
006 1/2" = 1'-0"



HANDRAIL DETAILS



0' 2' 4' 8'



FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007

DATE: 06/11/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY: HM

A006

RAILING DETAILS

ELECTRICAL GENERAL NOTES

1.

IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TESTS, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT. THE CONTRACTOR SHALL ACKNOWLEDGE ACCEPTANCE OF THE PLANS AS AN ADEQUATE DEFINITION OF THE SCOPE OF WORK AND EXTRA COST CLAIMS BASED ON DISCREPANCIES ON THE PLANS WILL NOT BE CONSIDERED.
2.

ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES HAVING JURISDICTION. ALL EQUIPMENT, DEVICES, AND MATERIAL SHALL BE LISTED WITH UNDERWRITERS LABORATORIES FOR ITS APPLICATION AS INSTALLED AND SHALL BEAR THE UL LABEL.
3.

THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY SUCH FEES AS MAY BE NECESSARY FOR INSPECTIONS, TESTS, AND OTHER SERVICES WHICH ARE REQUIRED FOR THE COMPLETION OF HIS WORK.
4.

THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CONDITIONS OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT BEFORE BIDDING.
5.

ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS.
6.

CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.
7.

CONSULT ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, ROOM FINISHES, CEILINGS, ETC.
8.

SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
9.

CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY SPACING THE CIRCUITS IN THE PANEL AND BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS.
10.

SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND MATERIALS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE DELIVERY TO THE JOB SITE. EQUIPMENT, FIXTURES, DEVICES, AND MATERIAL DELIVERED TO THE JOB SITE OR INSTALLED PRIOR TO APPROVAL OF THE SHOP DRAWINGS, AND FOR WHICH THE SHOP DRAWINGS ARE SUBSEQUENTLY REJECTED, SHALL BE REPLACED WITH AN APPROVED ITEM AT NO ADDITIONAL COST TO THE OWNER.
11.

CONTRACTOR SHALL VERIFY WIRE SIZES, C/B AND FUSE RATINGS FOR ALL HVAC EQUIPMENT, AND BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
12.

ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEM. ALL POWER OUTAGES, FIRE ALARM SHUT DOWNS, ETC. SHALL BE COORDINATED WITH OWNER.
13.

CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.
14.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.
15.

HORSEPOWER RATINGS INDICATED ON DRAWINGS MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
16.

CONTRACTOR SHALL NOTE U.L. LABELS ON PACKAGED TYPE MECHANICAL EQUIPMENT. IF U.L. LABEL ON MECHANICAL EQUIPMENT OT ACTUALLY BE INSTALLED CALLS FOR THE OVERCURRENT PROTECTIVE DEVICE TO BE FUSES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A FUSED DISCONNECT SWITCH WITH PROPER SIZE FUSES AT THE SWITCH LOCATION INDICATED ON DRAWINGS AT NO ADDITIONAL CHARGE TO THE OWNER.
17.

THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR OR CEILING CONTRACTOR TO INSURE THAT ALL RECESSED LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.
18.

LIGHTING FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
19.

THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OF NOT.
20.

ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OF FISH TAPE/CORD.
21.

ALL CONDUCTORS, RACEWAYS AND CABLES SHALL BE CONCEALED IN CEILING OR WALL UNLESS INDICATED OTHERWISE.
22.

OPENINGS OR CORE DRILLS IN EXISTING BUILDING STRUCTURE FOR PASSAGE OF CONDUITS/CABLES SHALL NOT BE CUT UNTIL THE CONTRACTOR HAS ASKED FOR AND RECEIVED WRITTEN APPROVAL FROM THE ARCHITECT AND OWNER.
23.

THE LIGHTING FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH ALL ACCESSORIES (INCLUDING LAMPS) BY THE ELECTRICAL CONTRACTOR.
24.

SYMBOLS SHOWN ON THIS SHEET ARE STANDARD SYMBOLS AND MAY NOT NECESSARILY ALL BE APPLICABLE TO THIS PROJECT.
25.

THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
26.

ALL PENETRATIONS OF FLOOR AND WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH IBC, NEC, AND NFPA.
27.

CONDUCTORS SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES, WITH SPLICES LOCATED ONLY IN JUNCTION BOXES OR IN CABINETS. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO REACH THE FARTHEST TERMINAL IN PANELS. A MINIMUM OF 6" LOOPS SHALL REMAIN WHERE CONNECTIONS OF TAPS ARE TO BE MADE IN BRACH CIRCUIT WIRING.
28.

PROVIDE AN UPDATED TYPEWRITTEN PANEL DIRECTORY IN EACH PANEL AFTER COMPLETION OF WORK.
29.

ELECTRICAL CONTRACTOR SHALL PROVIDE AS BUILT DRAWINGS AND ALL MANUFACTURERS DATA AND WARRANTY LITERATURE AT THE COMPLETION OF THE CONTRACT.
- WIRING DEVICES

1.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL MOUNTING HEIGHTS FOR SWITCHES, RECEPTACLES, WALL MOUNTED LIGHT FIXTURES, AND TELEPHONE OUTLETS BY THE USE OF THE ARCHITECTURAL AND ENGINEERING DRAWINGS. SHOULD ANY CONFLICTS BECOME APPARENT THE CONTRACTOR SHALL REQUEST CLARIFICATION PRIOR TO INSTALLATION. IN THE WORK IS NOT COORDINATED ANY REMEDIAL WORK SHALL BE REDONE AT NO ADDITIONAL COST TO THE OWNER.

2.

PROVIDE DUPLEX, SPECIFICATION GRADE RECEPTACLES 2 POLE, 3 WIRE GROUNDING WITH GREEN HEXAGONAL EQUIPMENT GROUND SCREWS, GROUND TERMINALS AND POLES INTERNALLY CONNECTED TO MOUNTING YOKE, 20 AMPERES, 125 VOLTS, WITH METAL PLASTER EARS, SIDE WIRING, NEMA CONFIGURATION 5-20R.

3.

SWITCHES, 20 AMPS, 120/277 VOLTS, WITH MOUNTING YOKE INSULATED FROM MECHANISM, EQUIPPED WITH PLASTER EARS, SWITCH HANDLE, AND SIDE WIRED SCREW TERMINALS.

4.

ALL SWITCHES, RECEPTACLES AND ASSOCIATED FACE PLATES SHALL BE OF WHITE COLOR. PREFERRED MANUFACTURER IS LUTRON.

5.

ALL DEVICES INSTALLED IN THE LOCATION EXPOSED TO AMBIENT CONDITIONS SHALL BE WEATHERPROOFED.
- EQUIPMENT SPECIFICATIONS

RACEWAY

1.

MINIMUM SIZE OF THE CONDUIT SHALL BE 1/2".

2.

PROVIDE FLEXIBLE CONDUIT FOR MOTOR CONNECTION, AND FOR OTHER ELECTRICAL EQUIPMENT CONDITION, WHERE SUBJECT TO MOVEMENT AND VIBRATION.

3.

PROVIDE LIQUID TIGHT FLEXIBLE CONDUIT FOR CONNECTION OF MOTOR AND FOR OTHER ELECTRICAL EQUIPMENT WHERE SUBJECT TO MOVEMENT AND VIBRATION, AND ALSO WHERE SUBJECT TO ONE OR MORE OF THE FOLLOWING CONDITIONS, UNLESS NOTES OTHERWISE:

A.

MOIST AND HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE.

B.

CORROSIVE ATMOSPHERE

C.

SUBJECT TO DRIPPING OIL, GREASE OR WATER.

4.

ALL CONDUITS SHALL BE GROUNDED PER NEC. CONDUITS ENTERING THE OUTLET BOXES, PANEL CABINETS, ETC. MUST BE FITTED WITH A DOUBLE LOCKNUT AND BUSHING.

5.

PROVIDE RIGID STEEL, THREADED, THICK WALL CONDUIT, GALVANIZED OR EMT FOR ALL PANEL FEEDERS, AND ALL EXPOSED WIRING IN UNFINISHED AREAS.

6.

ALL WIRE RACEWAYS IN OR PASSING THROUGH CONCRETE WALLS, SLABS, OR UNDERGROUND SHALL BE GALVANIZED RIGID STEEL THREADED CONDUIT.

WIRES AND CABLES

1.

ALL WIRE AND CABLE SHALL BE COPPER WITH THHN/THWN INSULATION AND ALL WIRE SIZES ARE BASED ON COPPER CONDUCTORS WITH 75°C INSULATION UNLESS INDICATED OTHERWISE. ALL CONNECTORS, LUGS, ETC. SHALL BE LISTED FOR 75°C.

2.

PROVIDE WIRING NOT SMALLER THAN #12 AWG FOR THE POWER DISTRIBUTION, AND NOT SMALLER THAN #14 AWG FOR THE FIRE ALARM SYSTEM.

3.

ALL CIRCUITS 120/208 VOLT OVER 100 FEET AND ALL 277/480 VOLT CIRCUITS OVER 200 FEET FROM PANEL TO FIRST OUTLET SHALL HAVE CONDUCTORS ONE SIZE LARGER THAN NORMALLY REQUIRED WHETHER INDICATED ON PANEL SCHEDULE OR NOT.

4.

CONDUCTORS INSTALLED UNDERGROUND OR IN THE WET LOCATIONS SHALL BE U.L. LISTED PER NEC, AND SHALL BE SUITABLE FOR WET LOCATIONS.

ELECTRICAL BOXES AND FITTINGS

1.

ALL BOXES AND FITTINGS SHALL BE OF CODE-GAUGE STEEL.

2.

JUNCTION AND PULL BOXES: PROVIDE GALVANIZED CODE-GUAGE STEET STEEL JUNCTION AND PULL BOXES WITH SCREW-ON COVER OF TYPES, SHAPES AND SIZES TO SUIT EACH RESPECTIVE LOCATION AND INSTALLATION, WITH WELDED SEAMS AND EQUIPPED WITH STAINLESS STEEL NUTS, SCREWS, AND WASHERS.

3.

PROVIDE WEATHERPROOF OUTLETS FOR INTERIOR AND EXTERIOR LOCATIONS EXPOSED TO WEATHER OR MOISTURE.

4.

ALL PULL BOXES SHALL BE FABRICATED FROM #12 OR HEAVIER GAUGE GALVANIZED STEEL AS REQUIRED BY THE NEC, AND SHALL BE EQUIPPED WITH SCREW FASTENED COVER.
- ELECTRICAL SYMBOLS
- LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR TYPE AND MOUNTING.

WALL MOUNTED DUAL HEAD BATTERY POWERED EMERGENCY LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE.

SINGLE FACE EXIT LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE.

DOUBLE FACE EXIT LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE.

SINGLE POLE TOGGLE SWITCH – 20 AMP, 120 VOLT, M.H. 48" AFF, UNLESS NOTED OTHERWISE.

THREE WAY TOGGLE SWITCH – 20 AMP, 120 VOLT, M.H. 48" AFF, UNLESS NOTED OTHERWISE.

MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION, MOUNT ADJACENT TO OR ON THE MOTOR BEING CONTROLLED.

LIGHT SWITCH WITH BUILT-IN OCCUPANCY SENSOR.

DIMMER SWITCH WITH BUILT-IN OCCUPANCY SENSOR

CEILING MOUNTED OCCUPANCY SENSOR.

CEILING MOUNTED DAYLIGHT SENSOR

JUNCTION BOX, CEILING OR WALL MOUNTED.

DUCT SMOKE DETECTOR IN SUPPLY AND RETURN AIR DUCTS

DUPLEX GROUNDING TYPE RECEPTALCE – 20 AMP, 120 VOLT, NEMA 5–20R, M.H. 18" AFF, UNLESS NOTED OTHERWISE.

DOUBLE DUPLEX GROUNDING TYPE RECEPTACLE – 20 AMP, 120 VOLT, NEMA 5–20R, M.H. 18" AFF, UNLESS NOTED OTHERWISE.

CEILING MOUNTED RECEPTACLE

FLOOR MOUNTED RECEPTACLE

DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER PROTECTION – 20 AMP, 120 VOLT, NEMA 5–20R, M.H. 42" AFF, UNLESS NOTED OTHERWISE.

TAMPER PROOF RECEPTACLE

DATA OUTLET

TELEPHONE/DATA OUTLET – WALL MOUNTED, M.H. 18" AFF, UNLESS NOTED OTHERWISE. PROVIDE 1" EC FROM THE OUTLET TO 6" ABOVE FINISHED CEILING AND TERMINATE WITH 90° BEND AND INSULATED BUSHING.

PANELBOARD

DISCONNECT SWITCH, AMP, VOLT, POLES AND FUSING AS NOTED ON DRAWING.

ELECTRIC MOTOR CONNECTION – HORSEPOWER AS NOTED.

POWER COMPANY METER, RATING AS INDICATED ON DRAWING.

DRY TYPE TRANSFORMER, RATING AS INDICATED ON DRAWING.

HOMERUN WIRING WITH A DEDICATED EQUIPMENT GROUND WIRE TO THE REFERENCED PANELBOARD. ARROW HEADS AND NUMERALS INDICATE THE CIRCUIT NUMBERS.

DRY TYPE TRANSFORMER, RATING AS INDICATED ON DRAWING.

HEAT DETECTOR

FIRE ALARM PULL STATION

FIRE ALARM AUDIO/VISUAL DEVICE

FIRE ALARM VISUAL DEVICE
- ELECTRICAL ABBREVIATIONS
- |     |                            |      |   |
|-----|----------------------------|------|---|
| A   | AMP                        | KW   | KILOWATTS                                     |
| AFF | ABOVE FINISHED FLOOR       | N    | NEW   |
| AHU | AIR HANDLING UNIT          | NEC  | NATIONAL ELECTRICAL CODE                      |
| AIC | AMPS INTERRUPTING CAPACITY | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| AL  | ALUMINUM                   | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION          |
| ATS | AUTOMATIC TRANSFER SWITCH  | NFSS | NON–FUSED SAFETY SWITCH                       |
| CB  | CIRCUIT BREAKER            | P    | POLE  |
| CH  | CABINET HEATER             | PH   | PHASE   |
| CKT | CIRCUIT                    | R    | REMOVE  |
| CU  | COPPER, COMPRESSOR UNIT    | RE   | RELOCATE                                      |
| DN  | DOWN                       | RTU  | ROOF TOP UNIT                                 |
| E   | EXISTING                   | UL   | UNDERWRITERS LABORATORY                       |
| EC  | EMPTY CONDUIT              | UON  | UNLESS OTHERWISE NOTED                        |
| ER  | EXISTING RELOCATED         | V    | VOLT  |
| EF  | EXHAUST FAN                | VA   | VOLTAMPS                                      |
| FSS | FUSED SAFETY SWITCH        | W    | WATTS   |
| GFI | GROUND FAULT INTERRUPTER   | HWH  | WATER HEATER                                  |
| GND | GROUND                     | WP   | WEATHER PROOF                                 |
| HP  | HORSE POWER                | XFMR | TRANSFORMER                                   |
| IG  | ISOLATED GROUND            |      |   |
| KVA | KILOVOLT AMPS              |      |   |
- | FEEDER SCHEDULE  |                     |   |                               |
|--|---------------------|---|-------------------------------|
| NOMINAL AMPERE RATING  | FEEDER TAG & MODIF. | LOAD DESCRIPTION  | MINIMUM RACEWAY SIZE (INCHES) |
| 20   | 20P                 | – 3–12 AWG 1–12 AWG GND.                                | 3/4"                          |
|  |                     | Y 3–12 AWG 1–12 AWG N; 1–12 AWG GND.                    |                               |
|  |                     | K CHANGE NEUTRAL TO 1–8 AWG                             | 3/4"                          |
|  |                     | G ADD 1–12 AWG IS                                       |                               |
| 30   | 30P                 | – 3–10 AWG 1–10 AWG GND.                                | 3/4"                          |
|  |                     | Y 3–10 AWG 1–10 AWG N; 1–10 AWG GND.                    |                               |
|  |                     | K CHANGE NEUTRAL TO 1–4 AWG                             | 1"                            |
|  |                     | G ADD 1–10 AWG IS                                       |                               |
| 40   | 40P                 | – 3–8 AWG 1–10 AWG GND.                                 | 1"                            |
|  |                     | Y 3–8 AWG 1–8 AWG N; 1–10 AWG GND.                      |                               |
|  |                     | K CHANGE NEUTRAL TO 1–4 AWG                             | 1"                            |
|  |                     | G ADD 1–10 AWG IS                                       |                               |
| 55   | 55P                 | – 3–6 AWG 1–10 AWG GND.                                 | 1"                            |
|  |                     | Y 3–6 AWG 1–6 AWG N; 1–10 AWG GND.                      |                               |
|  |                     | K CHANGE NEUTRAL TO 1–4 AWG                             | 1.25"                         |
|  |                     | G ADD 1–10 AWG IS                                       |                               |
| 70   | 70P                 | – 3–4 AWG 1–8 AWG GND.                                  | 1.25"                         |
|  |                     | Y 3–4 AWG 1–4 AWG N; 1–8 AWG GND.                       |                               |
|  |                     | K CHANGE NEUTRAL TO 1–1/0 AWG                           | 1.5"                          |
|  |                     | G ADD 1–8 AWG IS  |                               |
| 100  | 100P                | – 3–2 AWG 1–6 AWG GND.                                  | 1.5"                          |
|  |                     | Y 3–2 AWG 1–2 AWG N; 1–6 AWG GND.                       |                               |
|  |                     | K CHANGE NEUTRAL TO 1–3/0 AWG                           | 2"                            |
|  |                     | G ADD 1–6 AWG IS  |                               |
| 130  | 130P                | – 3–1 AWG 1–6 AWG GND.                                  | 2"                            |
|  |                     | Y 3–1 AWG 1–1 AWG N; 1–6 AWG GND.                       |                               |
|  |                     | K CHANGE NEUTRAL TO 250 KCM                             | 2.5"                          |
|  |                     | G ADD 1–6 AWG IS  |                               |
| 150  | 150P                | – 3–1/0 AWG 1–6 AWG GND.                                | 2"                            |
|  |                     | Y 3–1/0 AWG 1–1/0 AWG N; 1–6 AWG GND.                   |                               |
|  |                     | K CHANGE NEUTRAL TO 2–1/0 AWG                           | 2.5"                          |
|  |                     | G ADD 1–6 AWG IS  |                               |
| 175  | 175P                | – 3–2/0 AWG 1–4 AWG GND.                                | 2"                            |
|  |                     | Y 3–2/0 AWG 1–2/0 AWG N; 1–4 AWG GND.                   |                               |
|  |                     | K CHANGE NEUTRAL TO 2–2/0 AWG                           | 2.5"                          |
|  |                     | G ADD 1–4 AWG IS  |                               |
| 200  | 200P                | – 3–3/0 AWG 1–4 AWG GND.                                | 2"                            |
|  |                     | Y 3–3/0 AWG 1–3/0 AWG N; 1–4 AWG GND.                   |                               |
|  |                     | K CHANGE NEUTRAL TO 2–3/0 AWG                           | 2.5"                          |
|  |                     | G ADD 1–4 AWG IS  |                               |
| 225  | 225P                | – 3–4/0 AWG 1–2 AWG GND.                                | 2.5"                          |
|  |                     | Y 3–4/0 AWG 1–4/0 AWG N; 1–2 AWG GND.                   |                               |
|  |                     | K CHANGE NEUTRAL TO 2–4/0 AWG                           | 2.5"                          |
|  |                     | G ADD 1–4 AWG IS  |                               |
| 250  | 250P                | – 3–250 KCMIL 1–2 AWG GND.                              | 2"                            |
|  |                     | Y 3–250 KCMIL 1–250 KCMIL N; 1–2 AWG GND.               |                               |
|  |                     | K CHANGE NEUTRAL TO 2–250 KCMIL                         | 2.5"                          |
|  |                     | G ADD 1–2 AWG IS  |                               |
| 300  | 300P                | – 3–350 KCMIL 1–1 AWG GND.                              | 3"                            |
|  |                     | Y 3–350 KCMIL 1–350 KCMIL N; 1–1 AWG GND.               |                               |
|  |                     | K CHANGE NEUTRAL TO 2–350 KCMIL                         | 3"                            |
|  |                     | G ADD 1–1 AWG IS  |                               |
| 350  | 350P                | – 3–500 KCMIL 1–1/0 AWG GND.                            | 4"                            |
|  |                     | Y 3–500 KCMIL 1–500 KCMIL N; 1–1/0 AWG GND.             |                               |
|  |                     | K CHANGE NEUTRAL TO 2–500 KCMIL                         | 4"                            |
|  |                     | G ADD 1–1/0 AWG IS                                      |                               |
| 420  | 420P                | – 3–600 KCMIL 1–1/0 AWG GND.                            | 4"                            |
|  |                     | Y 3–600 KCMIL 1–600 KCMIL N; 1–1/0 AWG GND.             |                               |
|  |                     | K CHANGE NEUTRAL TO 2–600 KCMIL                         | 4"                            |
|  |                     | G ADD 1–1/0 AWG IS                                      |                               |
| 500  | 500P                | Y (2 SETS OF) 3–250 KCMIL 1–250 KCMIL N; 1/0 AWG GND.   | (2)–5"                        |
| 600  | 600P                | Y (2 SETS OF) 3–350 KCMIL 1–350 KCMIL N; 2/0 AWG GND.   | (2)–3.5"                      |
| 800  | 800P                | Y (2 SETS OF) 3–600 KCMIL 1–600 KCMIL N; 2/0 AWG GND.   | (2)–4"                        |
| 1000   | 1000P               | Y (3 SETS OF) 3–500 KCMIL 1–500 KCMIL N; 1–2/0 AWG GND. | (3)–3.5"                      |
| 1200   | 1200P               | Y (3 SETS OF) 3–600 KCMIL 1–600 KCMIL N; 1–3/0 AWG GND. | (3)–4"                        |
| 1600   | 1600P               | Y (4 SETS OF) 3–600 KCMIL 1–600 KCMIL N; 1–4/0 AWG GND. | (3)–4"                        |
| FEEDER SCHEDULE DESIGNATIONS   |                     |   |                               |
| THE ASTERISK ABOVE IS FILLED IN WITH ONE OR MORE OF THE FOLLOWING DESIGNATIONS ON THE RISER.<br>Y – THREE PHASE FOUR WIRE FEEDER.<br>N – THREE PHASE FEEDER WITH OVERSIZED NEUTRAL – DOUBLE 200% NEUTRAL.<br>G – THREE PHASE FEEDER WITH ISOLATED GROUND.<br>VD – FEEDER SIZED FOR VOLTAGE DROP. |                     |   |                               |
| NOTES:   |                     |   |                               |
| 1. ALL AMPACITIES ARE BASED ON 75° C TEMPERATURE RATING OF COPPER CONDUCTOR AS LISTED IN THE NATIONAL ELECTRIC CODE.   |                     |   |                               |
| 2. FEEDERS MAY HAVE A COMBINATION OF OVERSIZED NEUTRAL AND ISOLATED GROUND (DESIGNATION K AND G). REFER TO RISER FOR FEEDER DESIGNATIONS.  |                     |   |                               |
- APPLICABLE CODES:
- 2017 DISTRICT OF COLUMBIA CONSTRUCTION CODES

2017 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODES
- SCOPE OF WORK:
- NEW RESTAURANT IN PLACE OF EXISTING VACATED RESTAURANT.
- ELECTRICAL DRAWINGS LIST:
- E100 ELECTRICAL COVER SHEET

E200 ELECTRICAL DEMOLITION PLANS

E300 LIGHTING PLANS

E400 POWER PLANS

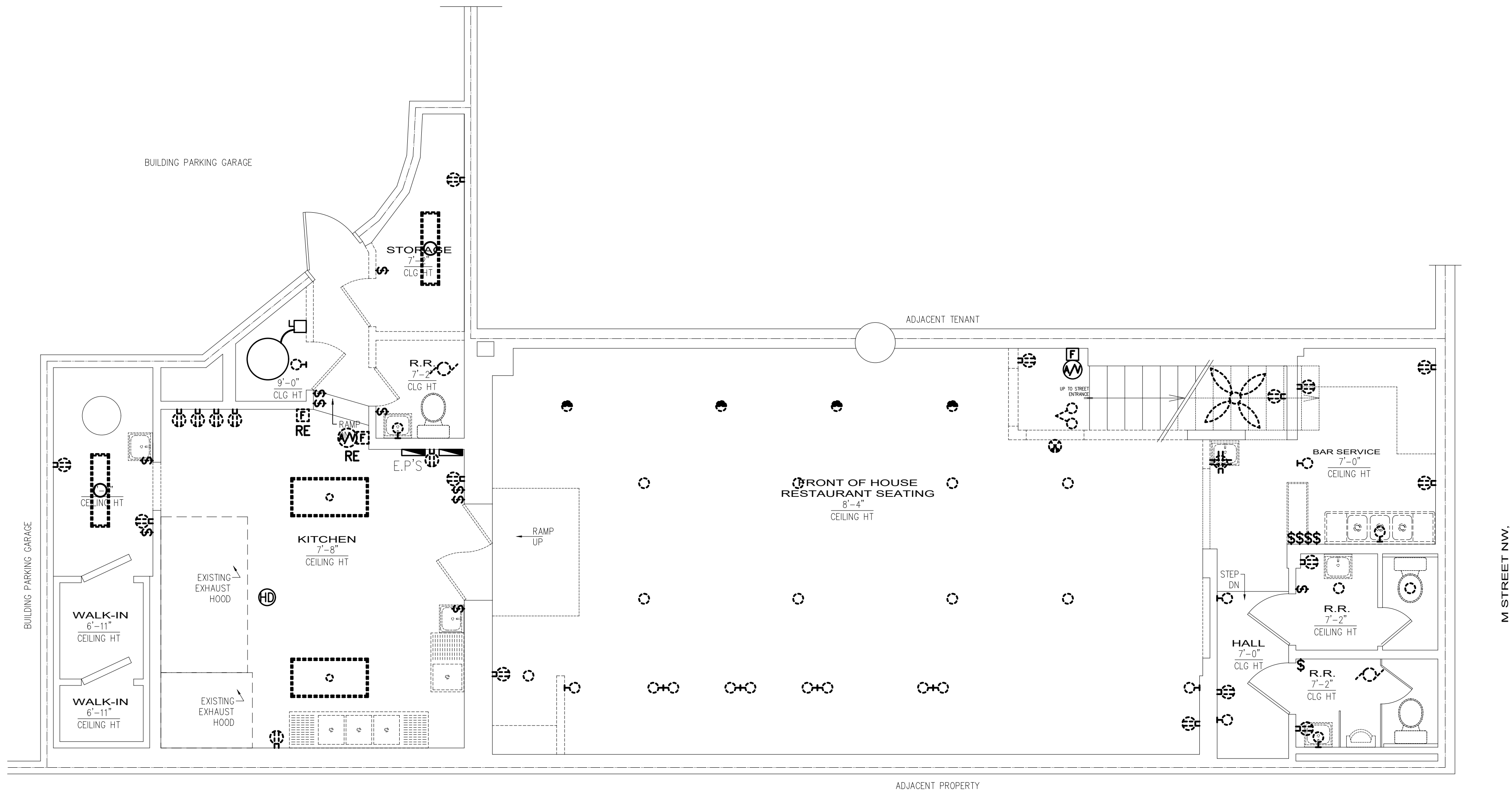
E500 PANEL SCHEDULES AND RISER DIAGRAM

E600 COMCHECK
- 0' 2' 4' 8'
- 
- FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007
- 
- Design America Engineering, Inc.  
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14080 Red River Drive  
Centreville, Virginia 20121  
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SAM: 571–220–3239  
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doeng2000.com
- DATE: 05/10/2025

PROJECT NO: SO

DRAWN BY: MR

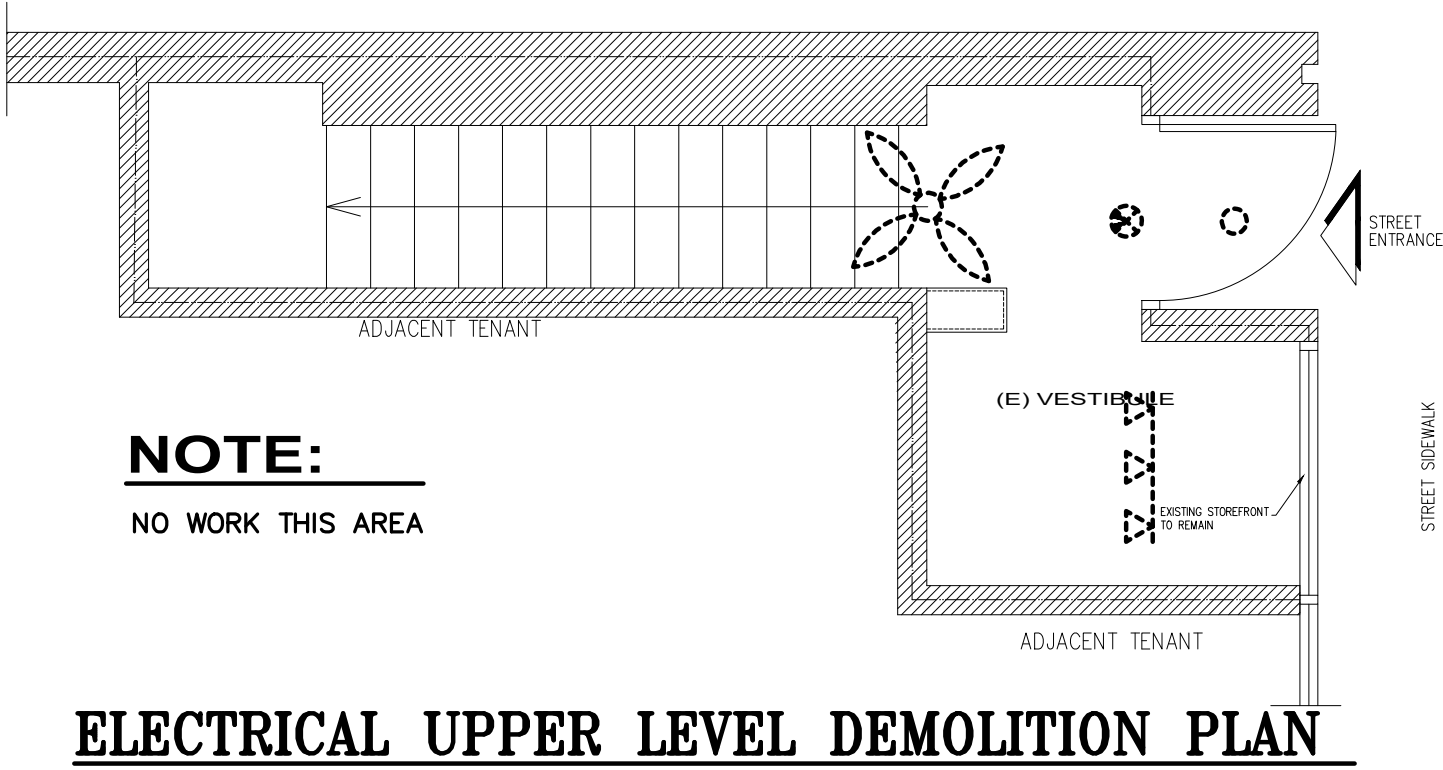
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- 
- ELECTRICAL  
COVER SHEET
- E100



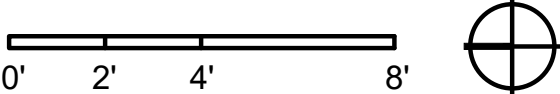
**ELECTRICAL DEMOLITION PLAN**  
1/4" = 1'-0"

**DEMOLITION NOTES**

- 1. REMOVE LIGHTING FIXTURES AND ASSOCIATED CONNECTIONS.
- 2. REMOVE RECEPTACLES AND ASSOCIATED CONNECTIONS.
- 3. HOOD AND WALK-INS ARE EXISTING TO REMAIN.
- 4. ELECTRICAL SERVICE AND PANELS ARE EXISTING TO REMAIN.
- 5. RELOCATE FIRE ALARM DEVICES PER NEW DRAWINGS.



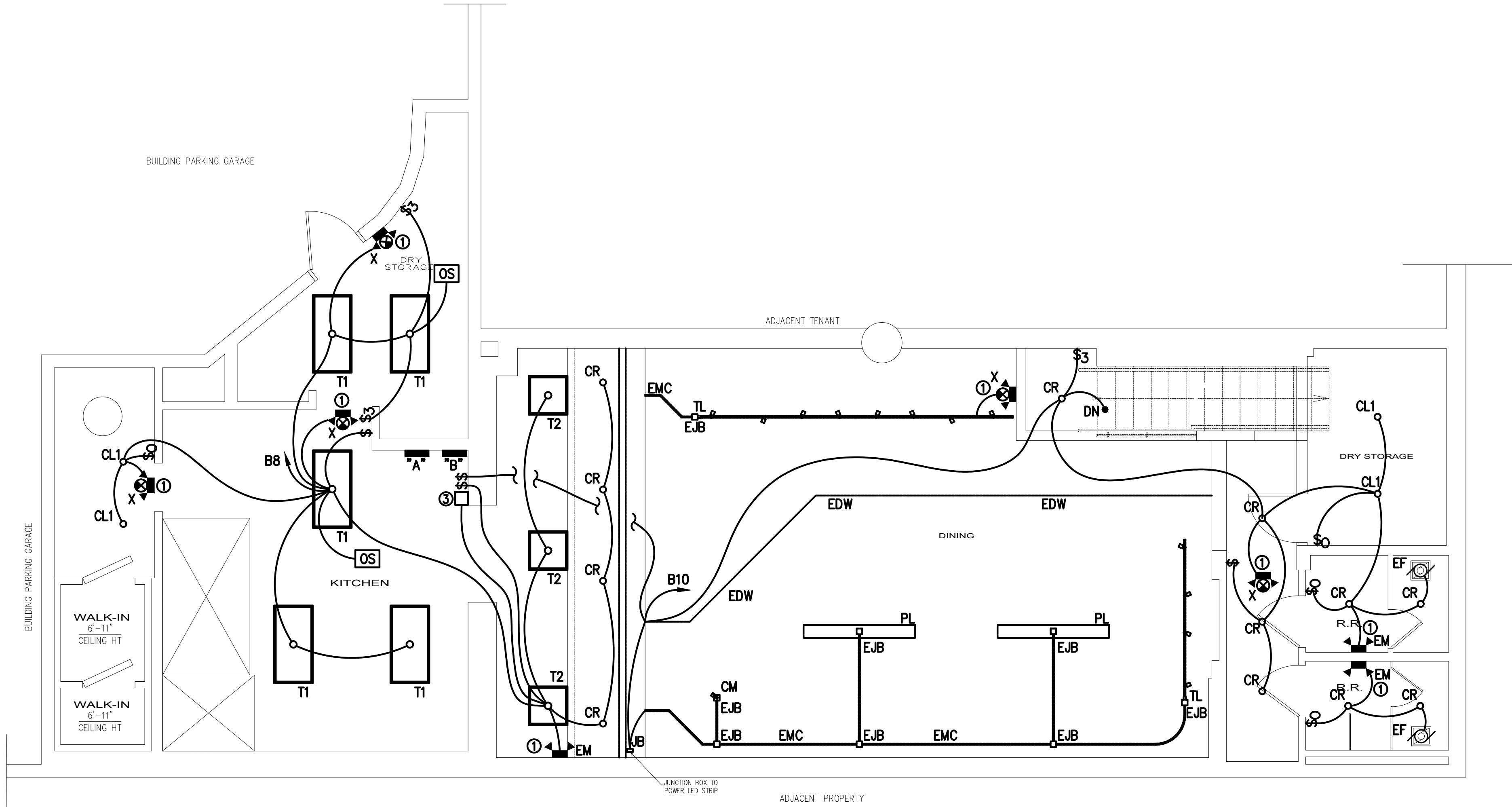
**ELECTRICAL UPPER LEVEL DEMOLITION PLAN**  
1/4" = 1'-0"



  
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MEP Consulting Engineers  
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Centreville, Virginia 20121  
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DATE:	05/10/2025
PROJECT NO:	SO
DRAWN BY:	MR
CHECKED BY:	

ELECTRICAL  
DEMOLITION  
PLANS



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

**LIGHTING KEYED NOTES**

- ① CONNECT AHEAD OF THE SWITCH.
- ② CONTROL VIA PHOTO CELL.
- ③ OVERRIDE RELAY SWITCH WITH MAXIMUM 2 HOURS OVERRIDE TO CONTROL LIGHTING CIRCUITS.

**LEGEND:**

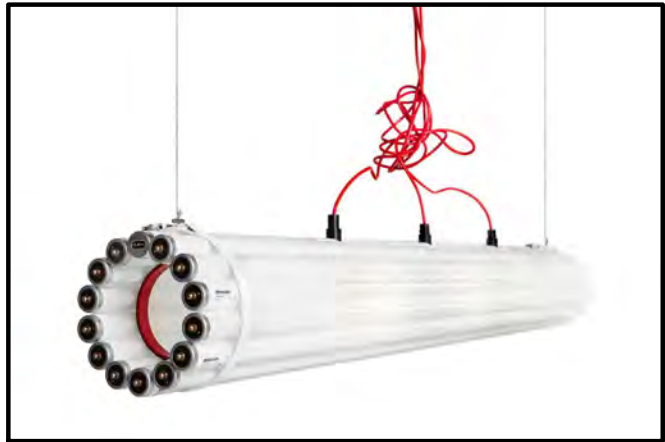
- ⊕CR 6" LED CONCEALED RECESSED LIGHT FIXTURE
- JB JUNCTION BOX FOR SELF-ADHESIVE LED STRIP
- EMC EXPOSED METAL CONDUIT
- EJB EXPOSED METAL JUNCTION BOX
- EDW EXPOSED HVAC DUCT WORK
- TL TRACK LIGHTING SYSTEM
- PL PENDANT LIGHT
- LED TROFFER
- FRAMED DRYWALL CEILING
- EXPOSED CONCRETE CEILING

**LIGHTING SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER/ CONTACT INFO	STYLE/ MODEL NO.	COLOR/ FINISH	WATTS / LUMENS	VOLTAGE	DIMMING	NOTES	MOUNTING HEIGHT	DIMMING
T1	24x48 LED TROFFER	HALCO	30FSVPL/8DU	WHITE	LED 30 WATTS 3384 LM	120/1/60			SUSPENDED CEILING MOUNTED	5
T2	24x24 LED TROFFER	LITHONIA LIGHTING	2ALT2	WHITE	LED 34 WATTS 3217 LM	120 V	NO		SUSPENDED CEILING MOUNTED	3
CR	CONCEALED RECESSED DOWNLIGHT	LIGHTOLIER / DOMINION ELECTRIC 703-536-4400	6" COREPRO LED DOWNLIGHT CP6RB07830W 835 LM 3000K	WHITE	11.0 Watts 835 LM	120 V	YES	P6R LYTE-PROFILE HOUSING CCT: 3000K	FRAMED BULKHEAD MOUNTED	13
CL1	CEILING FLUSH-MOUNT	KUZO LIGHTING build.com	81711-BK	BLK	30W LED	120 V	YES		(E) CONCRETE CEILING	6
PL	PENDANT LIGHT	CASTOR DESIGN lightology.com	RECYCLED TUBE LIGHT TL-6	BLK	11.1 Watts 3000K	120 V	NO		SUSPENDED 600" A.F.F.	2
LED	LED TAPE LIGHT W/ ADHESIVE BACK	EFFICIENT-TEC INTERNATIONAL lightology.com	7250101 / C22		WARM WHITE 3000 K, 2W/LF	120 V	NO		ABOVE BULKHEAD	40 LF
TL	LINEAR TRACK LIGHTING SYSTEM	NUVO LIGHTING build.com	TRACK: TR121- 8'-0" LED TRACK HEAD: TH464 SQUARE	BLACK	LED 12 WATTS 3000 LM	120/1/60	YES	40W CURRENT LIMITER	(E) CONCRETE CEILING	2
EM	EMERGENCY WALL PACK	LITHONIA LIGHTING	EU2L	WHITE	3W LED	120/1/60	NO			3
X	EMERGENCY WALL PACK AND EXIT LIGHT	LITHONIA LIGHTING	ECBRLED M6	WHITE	3W LED	120/1/60	NO			5
A	WITH PHOTO CELL AND BATTERY	LITHONIA LIGHTING	AFODB-MVOLT-N-CW	BZ	12W LED	120/1/60	NO			1

**LIGHTING NARRATIVE**

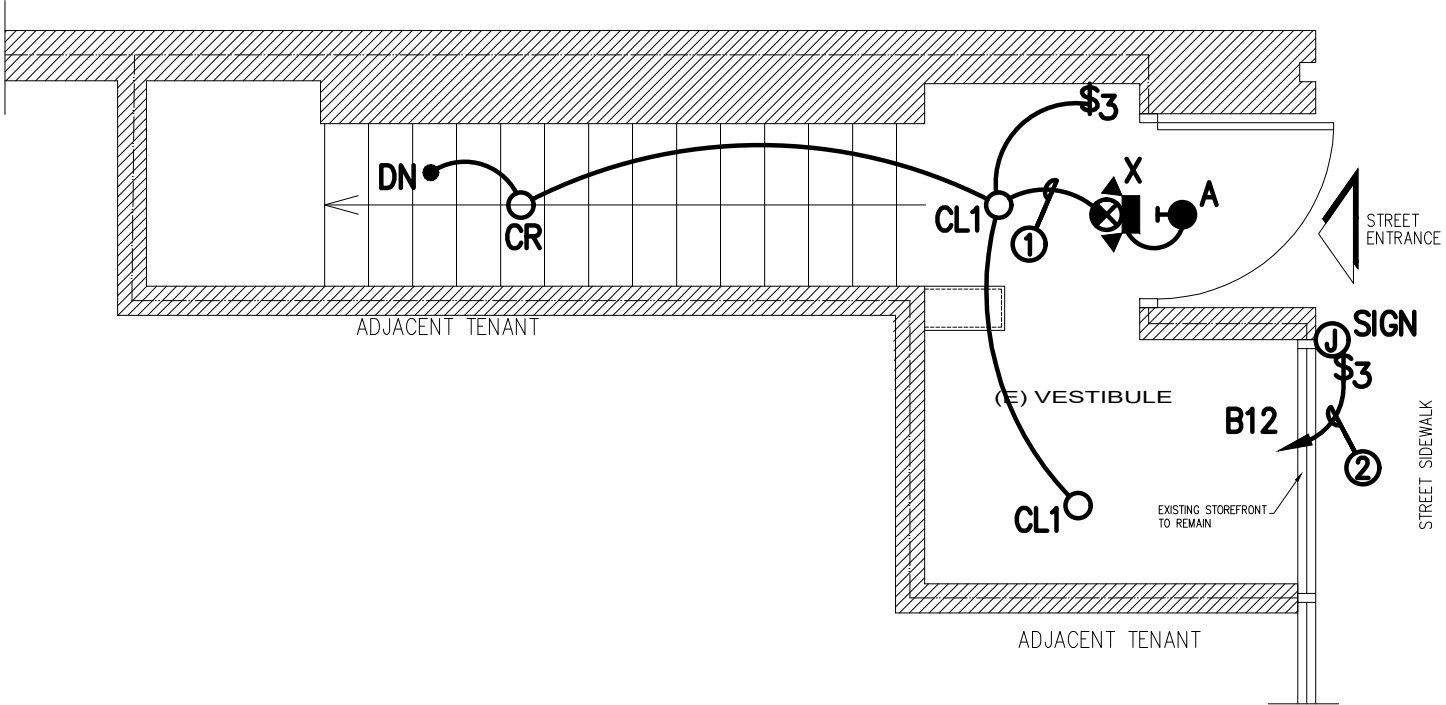
- OCCUPANCY SENSORS IN KITCHEN, STORAGE, TOILETS IN ADDITION TO WALL SWITCHES.
- NO DAY LIGHT ZONE.
- OVERRIDE RELAY SWITCH TO CONTROL LIGHTING CIRCUIT.
- OCCUPANCY SENSORS MUST HAVE FUNCTIONAL TESTING PER ASHRAE 9.4.4.
- OCCUPANCY SENSORS MUST BE DUAL TYPE AND SHALL TURN THE LIGHTS OFF IN 20 MINUTES MAXIMUM AFTER VACANCY.
- EXTERIOR LIGHT HAS BUILT-IN PHOTO CELL AND BATTERY.



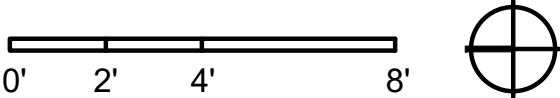
**PENDANT LIGHT COMMUNAL TABLE**  
N. T. S.



**TRACK LIGHTING SYSTEM**  
N. T. S.



**UPPER LEVEL LIGHTING PLAN**  
1/4" = 1'-0"



**FLAVOR HIVE**  
3287 1/2 M STREET NW WASHINGTON, DC 20007

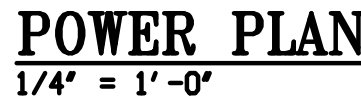


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DATE: 05/10/2025  
PROJECT NO: S0  
DRAWN BY: MR  
CHECKED BY:

LIGHTING PLANS

E300



UNIT	VOLT	PHASE	FLA	MCA	MOCIP	FUSE	DIS. SWITCH	NEMA
AHU	208	3	35	43	60	60	60	1
CU	208	3	35	41	45	45	60	3R
EWB	208	3	100	125	125	125	200	1

The floor plan shows the second floor layout. At the top, a staircase is labeled 'STAIRS'. To the left is an 'ADJACENT TENANT' area. The central area is the '(E) VESTIBULE'. To the right of the vestibule is a room labeled 'B-25,27,29' containing an 'AHU' (Air Handling Unit) and a room labeled 'B9'. A 'STREET ENTRANCE' is indicated on the right side, leading from the 'STREET SIDEWALK'. A 'STREET SIDEWALK' is also labeled at the bottom right. A 'N' arrow indicates North. Various rooms and areas are labeled with letters and numbers: 'E', 'F', 'M', '15', and 'AHU'. A note 'EXISTING SHOREFRONT TO REAR' is located near the bottom right. The plan also shows 'ADJACENT TENANT' areas on the left and bottom.

#	TYPE	QTY	MANUF. / MODEL #	WIDTH	DEPTH	HEIGHT	VOLTS	AMPS	GAS	CONNECTION & REGULATOR
1	WATER HEATER	1	STATE / SUFT00-199NEA				120/60/1	5.0	199 MBH	3/4"
2	WOP HOLDER	1	ULINE / H-6089	20"	3"	2"				
3	WIRE SHELVING UNIT FOR STORAGE OF POISONOUS OR TOXIC MATERIALS	1	CENTRAL / C1414-CP07	14"	14"	30"				
4	WOP SINK	1	JOHN BOOS / EMS-2016-6	24-5/8"	19-1/8"	10"				
5	WORKTOP REFRIGERATOR	1	TRUE / TUC-48-HC	48 3/8"	30 1/8"	29 3/4"	115/60/1	3.0		
6	DEEP FRYER	1	FRYMARTON / FPPH255	31 3/8"	29 5/8"	45 5/8"			83.400 BTU/H	3/4"
7	GREASE INTERCEPTOR	1	DORMONT / WD-AH-50	32"	22"	21"				
8	36" GRIDDLE	2	VULCAN / VCRG-36T	36"	27"	16"			100,000BTU/H	3/4"
9	WORK TABLE	1	REGENCY / 600T3096G	96"	30"	35-3/4"				
10	2 BURNER HOT TOP	1	VULCAN / VCRH12-3S PLATINUM	12"	24"	35-3/4"			50,000BTU/H	3/4"
11	HOLDING STATION	1	HATCO / GRHS-21	23"	28"	22.5"	120/60/1	10.0		
12	SOAP DISPENSER	2	BOBRICK / B-2111	4-3/4"	3-1/2"	8-1/8"				
13	HAND SINK	2	JOHN BOOS / PBHS0909-SSLP	12"	14"	10"				
14	TOWEL DISPENSER	2	BOBRICK / B-262	10-3/4"	4"	14"				
15	GREASE INTERCEPTOR	1	DORMONT / WD-AH-50	32"	22"	21"				
16	PLANETARY MIXER	1	VOLLRATH / MIX-1040	26 1/2"	26"	49"	208/60/1	12.0		
17	PANINI MACHINE	2	WARING / WFB-275	13.7"	20.1"	25"	115/60/1	15.0		
18	ICE CREAM MACHINE	1	SWIRL FREEZ	12"	22 3/8"	33 3/8"	115/60/1	10.2	14 3/8" UNDERCOUNTER CLEARANCE 1/2" COLD WATER SUPPLY & 1/2" DRAIN	
19	RICE COOKER	2	AVANTCO / RCSB90	21.5"	21.5"	18"	240/60/1	10.4		
20	24" SPEED RAIL	1	ADVANCE TABCO / . KB-2	4 1/8"	24"	6 1/2"				
21	BEVERAGE DISPENSER	2	NARVON / 378RBD5G3	26-3/16"	23-5/8"	33-1/2"	115/60/1	2.7		
22	WORK TABLE	2	REGENCY / 600T3060G	60"	30"	35-3/4"				
23	WALL SHELVING SYSTEM	6	JOHN BOOS / BHS-1672-16/304	48"	16"	8"				
24	3 COMP. SINK	1	ADVANCE TABCO / 94-3-54-18RL	93"	29-1/2"	43"				
25	VEGETABLE SINK	1	JOHN BOOS / 18-IDB B SERIES	40"	23.5"	35-1/4"				
26	4 PAN HOT WELL	1	DELFIELD / N8859	59.5"	25"	21.8"	115/60/1	22.0		
27	3 PAN COLD WELL	1	DELFIELD / N8143BP	43.5"	25"	21.8"	115/60/1	3.1		
28	CASH REGISTER	1	BY OWNER							
29	OPEN DISPLAY MERCHANDISER	1	TURBO AIR / TOM-48L-UF-W(B)	46-3/4"	33"	37-3/4"	115/60/1	13.6		
30	DRY COUNTER DISPLAY	1	FEDERAL / C12428SSD	24"	29"	25.1"	115/60/1	7.2		
31	EMPLOYEES LOCKER	1	WIN-HOLT / WL-11	12"	12"	78"				
32	UNDER COUNTER FREEZER	1	TRUE / TUC-24-HC	24 1/8"	24 7/8"	31 5/8"	115/60/1	2.0		
33	WATER DISPENSER / ICE MAKER	1	HOSHIZAKI / DGM-500BAH	40"	26.2"	22.5"	115/60/1	12.9		
34	REACH IN REFRIGERATOR	1	TRUE / T-49F-FLX-HC	54 1/4"	29 5/8"	78 1/4"	115/60/1	9.6		
35	REFRIGERATED SANDWICH UNIT	1	AVANTCO / SS-PT-36-HC	36-1/4"	31"	42-3/8"	115/60/1	12.9		

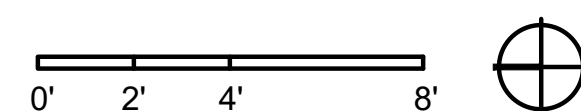
**FLAVOR HIVE**  
3287 1/2 M STREET NW WASHINGTON, DC 20007

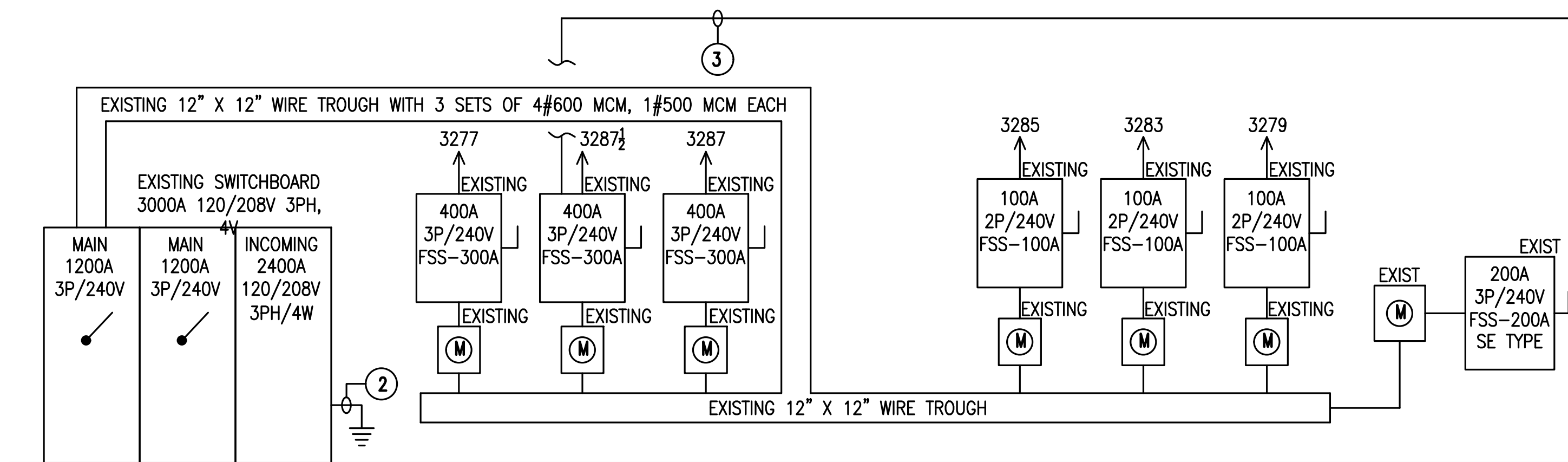


DATE:	05/10/2025
PROJECT NO:	SO
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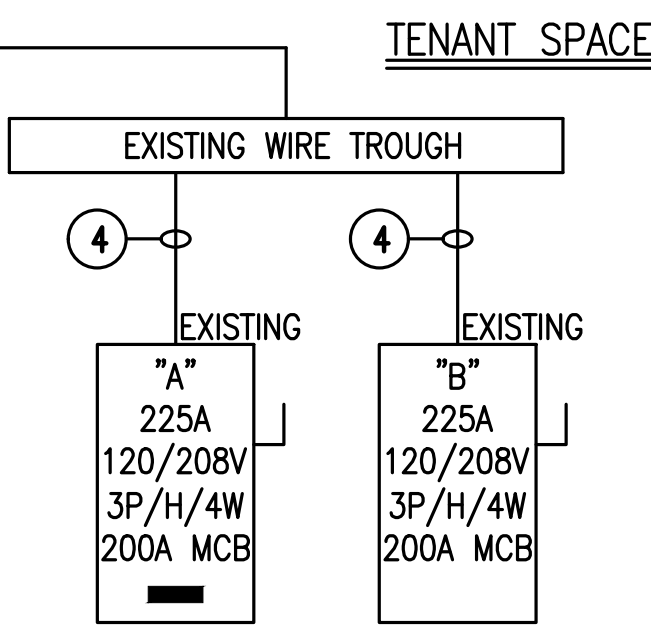
## POWER PLANS

# E400



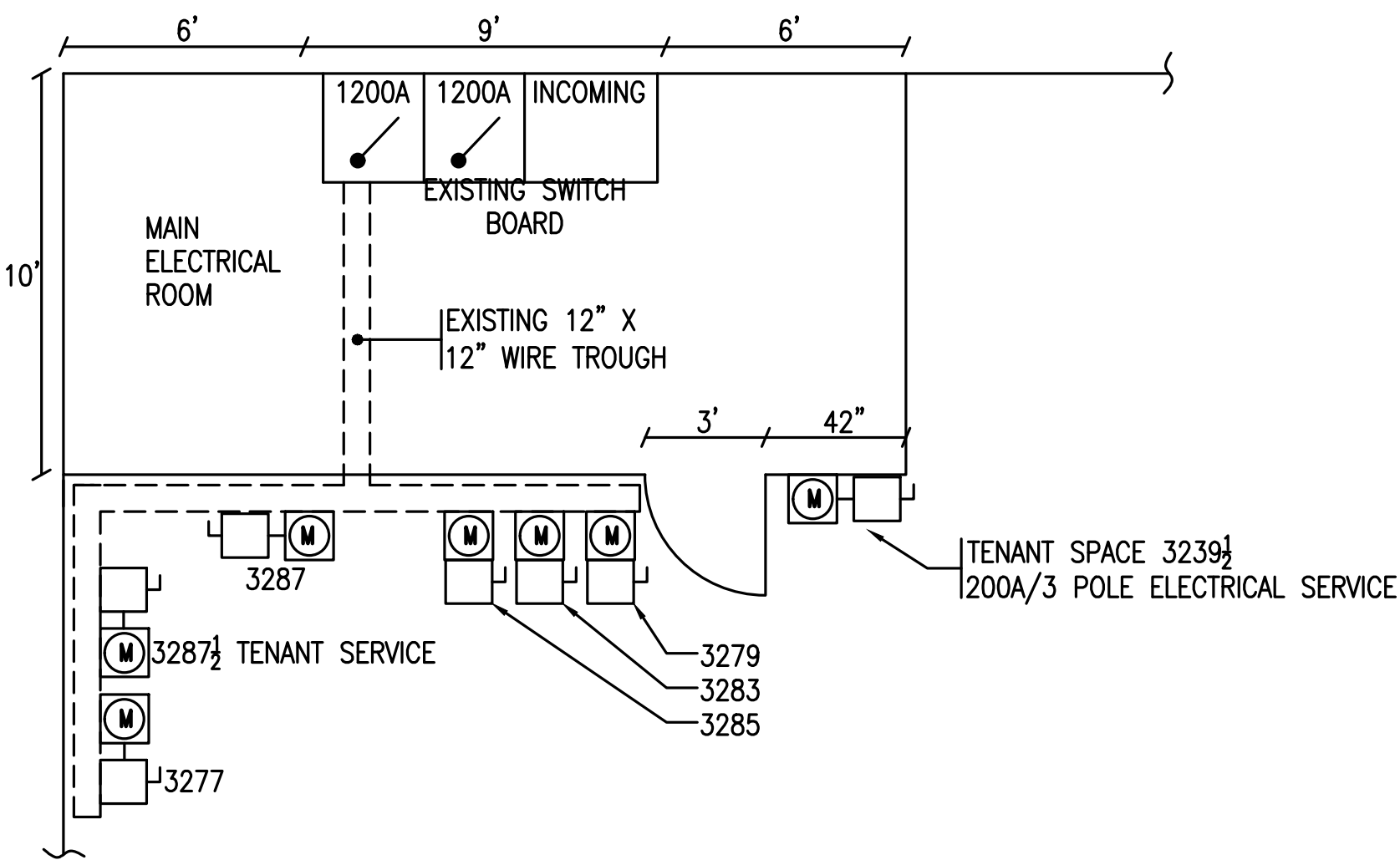


POWER RISER DIAGRAM  
N.T.S

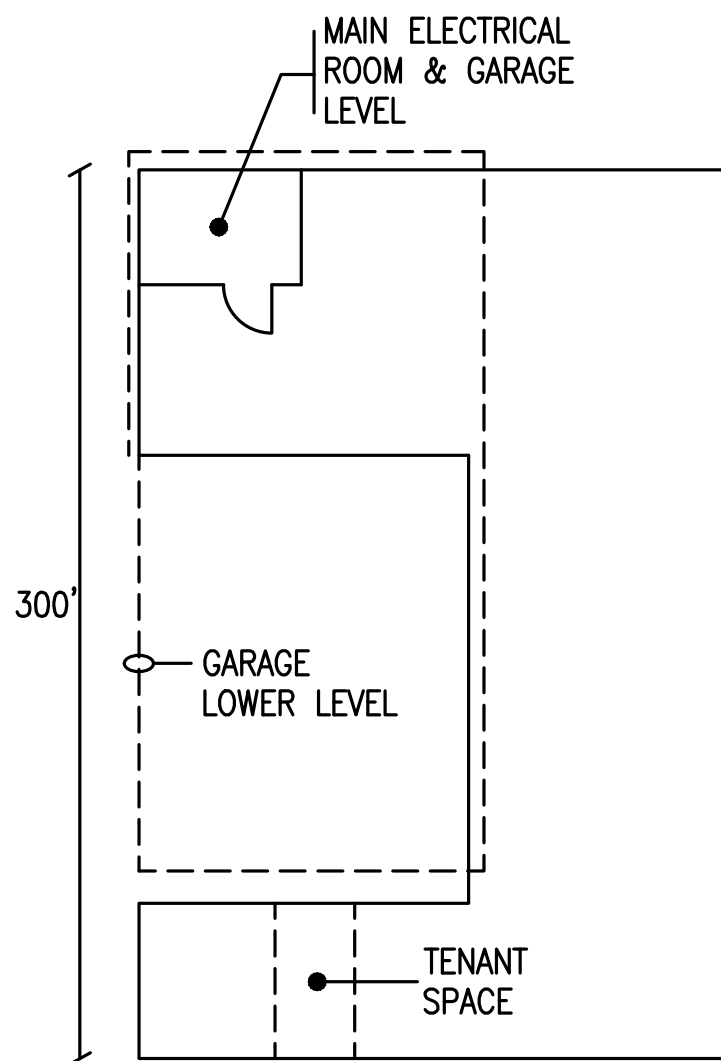


POWER RISER NOTES

- EXISTING 6 SETS OF 4#600 MCM, 4°C. EACH.
- EXISTING NO.500 MCM GROUND.
- EXISTING 4#600 MCM, 1#1/0 GROUND, 4" CONDUIT.
- EXISTING 4#3/0, 1#1/0 GND; 2 1/2"C.



MAIN ELECTRICAL ROOM AND ELECTRICAL SERVICE FLOOR PLAN – GARAGE  
AREA



KEY  
PLAN

ELECTRICAL SERVICE CALCULATION

LOAD	KVA
3277	79
(TENANT) 3287½	72
3287	75
3285	12
3283	12
3279	14
(TENANT) 3279½	66
TOTAL	330 KVA 917 AMP

MOTOR EFFICIENCY CHART  
GENERAL PURPOSE ELECTRIC  
MOTOR (SUBTYPE I)

MOTOR	NUMBER OF POLES	NUMBER OF POLES		
		2	4	6
HP	SPEED RPM	3600	1800	1200
1	---	77	85.5	82.5
1.5	---	84	85.5	82.5
2	---	85.5	86.5	88.5
3	---	86.5	89.5	89.5
5	---	88.5	89.5	89.5
7.5	---	89.5	91.7	91.0
10	---	90.2	91.7	91.0
15	---	91.0	92.4	91.7
20	---	91.0	93.0	91.7
25	---	91.7	93.6	93.0
30	---	91.7	93.6	93.0

GENERAL PURPOSE ELECTRIC  
MOTOR (SUBTYPE II)

1	---	75.5	82.5	80.0
1.5	---	82.5	84.0	85.5
2	---	84.0	84.0	86.5
3	---	85.5	87.5	87.5
5	---	87.5	87.5	87.5
7.5	---	88.5	89.5	89.5
15	---	90.2	91.0	90.2
20	---	90.2	91.0	90.2
25	---	91.0	92.4	91.7
30	---	91.0	92.4	91.7

MULTI PHASE  
SMALL MOTORS

0.25	---	65.6	69.5	6.75
0.33	---	69.5	73.4	71.4
0.5	---	73.4	78.2	75.3
0.75	---	76.8	81.1	81.7
1	---	77	83.5	82.5
1.5	---	84	86.5	83.8
2	---	85.5	86.5	N/A
3	---	85.5	86.9	N/A

PANEL SCHEDULE

PANEL: A		225 AMPS		PHASE: 3	
POLE SPACES: 40		MOUNTING: RECESSED		WIRE: 4	
LOCATION: KITCHEN		120/208 VOLTS		EXISTING 10 KA LC	
LOAD	KW/PHASE	CIR/BKR	WIRE	CIR/BKR	WIRE
W.I.F. CU	1.0	2 30A	1 A 2	2 20A	1 A 2
W.I.C. CU	1.0	2 20A	3 B 4	1 20A	3 B 4
W.I.F. EVAPORATOR	0.8	2 20A	5 C 6	1 20A	5 C 6
W.I.C. EVAPORATOR	0.8	2 20A	7 A 8	1 20A	7 A 8
W.I.C. W.I.F. LIGHTING CONTROL	0.2	1 20A	9 B 10	1 20A	9 B 10
(17) PANINI MACHINE	1.8	1 20A	11 C 12	1 20A	11 C 12
(17) PANINI MACHINE	1.8	1 20A	13 A 14	1 20A	13 A 14
(17) HOLDING STATION	1.2	1 20A	15 B 16	1 20A	15 B 16
(19) U.C. FREEZER	1.0	1 20A	17 C 18	1 20A	17 C 18
(19) RICE COOKER	1.1	2 20A	19 A 20	1 20A	19 A 20
(19) RICE COOKER	1.1	2 20A	21 B 22	1 20A	21 B 22
(19) RICE COOKER	1.1	2 20A	23 C 24	1 20A	23 C 24
(19) RICE COOKER	1.1	2 20A	25 A 26	1 30A	25 A 26
(19) RICE COOKER	1.1	2 20A	27 B 28	1 20A	27 B 28
(19) RICE COOKER	1.1	2 20A	29 C 30	1 20A	29 C 30
(18) ICE CREAM MACHINE	1.5	2 30A	31 A 32	1 20A	31 A 32
SPACE	1.5	2 30A	33 B 34	1 20A	33 B 34
SPACE	1.5	2 30A	35 C 36	1 20A	35 C 36
SPACE	1.5	2 30A	37 A 38	2 30A	37 A 38
SPACE	1.5	2 30A	39 B 40	2 30A	39 B 40

RECEPTACLES 1.40 x 1.00 = 1.40 KVA  
KITCHEN EQUIP 32.00 x 0.65 = 21.00 KVA  
TOTAL 33.40 KVA 22.40 KVA  
93.00 AMP 62.00 AMP

CONNECTED LOAD: 33.4 KVA  
DEMAND LOAD: 22.4 KVA

PANEL SCHEDULE

PANEL: B		225 AMPS / 200 A MCB		PHASE: 3	
POLE SPACES: 40		MOUNTING: RECESSED		WIRE: 4	
LOCATION: KITCHEN		120/208 VOLTS		EXISTING 10 KA LC	
LOAD	KW/PHASE	CIR/BKR	WIRE	CIR/BKR	WIRE
MAU	1.0	2 30A	1 A 2	2 20A	1 A 2
SPARE	1.0	2 30A	3 B 4	1 20A	3 B 4
RECEPTACLES DINING	0.8	1 20A	5 C 6	1 20A	5 C 6
RECEPTACLES WINDOW	0.8	1 20A	7 A 8	1 20A	7 A 8
SPARE	0.8	1 20A	9 B 10	1 20A	9 B 10
SPARE	0.8	1 20A	11 C 12	1 20A	11 C 12
SPARE	0.8	1 20A	13 A 14	1 20A	13 A 14
SPARE	0.8	1 20A	15 B 16	1 20A	15 B 16
SPARE	0.8	1 20A	17 C 18	1 20A	17 C 18
SPARE	0.8	1 20A	19 A 20	1 20A	19 A 20
SPARE	0.8	1 20A	21 B 22	1 20A	21 B 22
SPARE	0.8	1 20A	23 C 24	1 20A	23 C 24
AHU	4.2	3 60A	25 A 26	2 20A	25 A 26
CU	4.2	3 45A	27 B 28	1 20A	27 B 28
SPACE	4.2	3 45A	29 C 30	1 20A	29 C 30
SPACE	4.2	3 45A	31 A 32	1 20A	31 A 32
SPACE	4.2	3 45A	33 B 34	1 20A	33 B 34
SPACE	4.2	3 45A	35 C 36	1 20A	35 C 36
SPACE	4.2	3 45A	37 A 38	1 20A	37 A 38
SPACE	4.2	3 45A	39 B 40	1 20A	39 B 40

LIGHTING 0.70 x 1.00 = 1.00 KVA  
SIGN 1.20 x 1.25 = 1.50 KVA  
RECEPTACLES 1.80 x 1.00 = 1.80 KVA  
HOOD FANS 6.20 x 1.00 = 6.20 KVA  
HVAC 25.20 x 1.00 = 25.20 KVA  
EWH 36.00 x 1.00 = 36.00 KVA  
TOTAL 71.10 KVA 71.70 KVA  
198.00 AMP 199.00 AMP

CONNECTED LOAD: 71.10 KVA  
DEMAND LOAD: 71.70 KVA

FLAVOR HIVE

3287 1/2 M STREET NW WASHINGTON, DC 20007



DATE: 05/10/2025  
PROJECT NO: SO  
DRAWN BY: MR  
CHECKED BY:

PANEL  
SCHEDULES AND  
RISER DIAGRAM

E500

COMcheck Software Version COMcheckWeb  
Envelope Compliance Certificate

Project Information

Energy Code: 2017 DC Energy Code  
Project Title: Flavor Hive Restaurant  
Location: Washington, District of Columbia  
Climate Zone: 4a  
Project Type: New Construction  
Performance Sim. Specs: EnergyPlus 8.1.0.009 (EPW: TBD)

Construction Site: Owner/Agent: Designer/Contractor:

Building Area	Floor Area
1-RESTAURANT (Dining, Cafeteria/Fast Food) - Nonresidential	1800

Envelope Assemblies

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Project Notes

Envelope TBD: All building area types must be assigned to at least one envelope assembly

3287 1/2 M Street NW  
Washington DC, 20007

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
Page 1 of 8

COMcheck Software Version COMcheckWeb  
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2017 DC Energy Code  
Project Title: Flavor Hive Restaurant  
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power	A Area Category	B Floor Area (F2)	C Allowed Watts / F2	D Allowed Watts
1-RESTAURANT (Dining, Cafeteria/Fast Food)		1800	0.85	1530
Total Allowed Watts =				

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	A	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
1-RESTAURANT (Dining, Cafeteria/Fast Food)					
LED T1 LED Panel 33W		1	5	30	150
LED T2 LED Panel 33W		1	3	34	102
LED CR LED A Lamp 11W		1	13	11	143
LED CL1 LED Panel 33W		1	6	30	180
LED PL LED A Lamp 11W		1	2	11	22
LED LED LED A Lamp 2.5W		1	40	2	80
Track Lighting: Wattage based on current limiting device capacity		0	0	80	80
Total Proposed Watts =					757

Interior Lighting PASSES: Design 51% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2017 DC Energy Code requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
Page 2 of 8

COMcheck Software Version COMcheckWeb  
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2017 DC Energy Code  
Project Title: Flavor Hive Restaurant  
Project Type: New Construction  
Exterior Lighting Zone: 2 (Neighborhood business district (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power	A Area/Surface Category	B Quantity	C Allowed Watts / Tradable Wattage	D Tradable Allowed Watts (B X C)	E
MAIN DOOR (Main entry)		3 ft of door	20	Yes	60
Total Tradable Watts (a) =					60
Total Allowed Supplemental Watts (b) =					600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.  
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	A	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
MAIN DOOR (Main entry, 3 ft of door width): Tradable Wattage					
LED A LED Panel 15W		1	1	12	12
Total Tradable Proposed Watts =					12

Exterior Lighting PASSES: Design 99% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2017 DC Energy Code requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
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COMcheck Software Version COMcheckWeb  
Mechanical Compliance Certificate

Project Information

Energy Code: 2017 DC Energy Code  
Project Title: Flavor Hive Restaurant  
Location: Washington, District of Columbia  
Climate Zone: 4a  
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Mechanical Systems List

QuantitySystem Type & Description

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2017 DC Energy Code requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
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COMcheck Software Version COMcheckWeb  
Inspection Checklist

Energy Code: 2017 DC Energy Code

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section & Req. ID	Plan Review	Complies?	Comments/Assumptions
8.3 (P15P)	All forms of energy delivered to, produced by, and/or reclaimed by the building or building site are metered and all energy load types measured in accordance with Section 8.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.4.1, 8.4.2, 8.4.3, 8.5 (P16P)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.3 (P18P)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
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Section & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.2 (EL1P)	One 125-volt 15- and 20-amp duplex receptacle is in each probable office and individual workstations located at the desk area and at least 50% of all 125-volt 15- and 20-amp receptacles and 25% of the circuits feeding each base feed point of modular furniture (min 1 circuit) are controlled by an automatic control device.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 (EL1P)	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, and installed. Mandatory lighting controls labeled as "VLC" and optional controls labeled as "ADD1" and "ADD2" are implemented.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.2 (EL1P)	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.11 (EL1P)	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocensors.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.4 (EL1P)	Automatic lighting controls for exterior lighting installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.4.1 (EL1P)	Outdoor parking area luminaires: a. Controlled to turn off during daylight hours. b. Controlled to automatically turn off according to a timed schedule c. >= 50W and <= 24 ft height controlled to reduce wattage by >= 60% when area unoccupied over 15 minutes. Controlled power limited to <= 1500W.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.5.2.1 (EL1P)	Group R-3 occupancies >= 50 guest rooms automatically turn lights off 30 min. after occupants leave.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.5.2.3 (EL1P)	Commercial and industrial storage stack areas dim >= 50% 20 min. after occupants leave.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.5.2.3 (EL1P)	Continuous Security/emergency lighting <= 0.1 W/ft <sup>2</sup> . Any additional lighting is controlled to turn off automatically.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.5.2.4 (EL1P)	Exterior sign lighting can be controlled to reduce input power during daylight hours in accordance with Section 9.5.2.4.1-2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.3.3 (EL4P)	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
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Section & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
9.6.2 (EL4P)	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Flavor Hive Restaurant  
Data filename: Report date: 04/29/25  
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Section & Req. ID	Final Inspection	Complies?	Comments/Assumptions
8.5.1 (F12P)	Hotels and motels with >= 50 guest rooms have automatic controls for each guest room configured to manage lighting, switched outlets, and televisions in accordance with Section 8.5.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.1 (F16P)	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.2 (F17P)	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.2.2.3 (F18P)	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
9.4.2 (F19P)	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

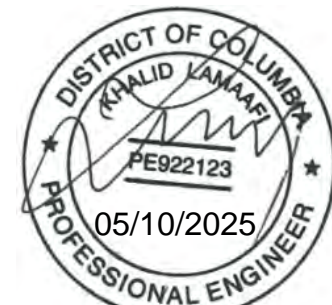
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FLAVOR HIVE  
3287 1/2 M STREET NW WASHINGTON, DC 20007



Design America Engineering, Inc.  
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daengmep@gmail.com  
daeng2000.com

DATE: 05/10/2025  
PROJECT NO: SO  
DRAWN BY: MR  
CHECKED BY:



0' 2' 4' 8'



COMCHECK

E600

1.	PROVIDE COMPLETE AND PROPERLY FUNCTIONING HVAC SYSTEMS FOR THIS PROJECT. VISIT THE PROJECT SITE, EXAMINE THESE PLANS AND ALL DRAWINGS RELATING TO THE AREA OF WORK, AND REPORT ANY DISCREPANCIES OR OMISSIONS IN THIS PLAN SET TO THE ENGINEER FOR RESOLUTION AND CLARIFICATION PRIOR TO SUBMISSION OF BIDS. BY SUBMITTING A BID ON THIS PROJECT, THE CONTRACTOR ACCEPTS THESE DOCUMENTS AS AN ADEQUATE DEFINITION OF THE SCOPE OF WORK. CLAIMS FOR ADDITIONAL COSTS TO ACHIEVE THE INTENDED SCOPE OF WORK WILL NOT BE ACCEPTED.	2.	COORDINATE COLOR SELECTION WITH THE ARCHITECT AND MAINTAIN A NC LEVEL OF 25 OR LESS IN ALL AIR DISTRIBUTION DEVIC. SELECTIONS.
2.	ALL WORK SHOWN ON THESE DOCUMENTS IS UNLESS SPECIFICALLY IDENTIFIED AS EXISTING OR PROVIDED BY OTHERS.	3.	GREASE DUCT CLEANOUTS AND OPENINGS, GREASE DUCT CLEANOUTS AND OPENING SHALL COMPLY WITH ALL OF THE FOLLOWING:
3.	INSTALL ALL WORK ON THIS PROJECT IN ACCORDANCE WITH MECHANICAL CODE WITH ALL LOCAL REQUIREMENTS AND AMENDMENTS.	4.	GREASE DUCTS SHALL NOT HAVE OPENING EXCEPT WHERE REQUIRED FOR THE OPERATION AND MAINTENANCE OF THE SYSTEM.
4.	OBTAIN AND PAY FOR ALL PERMITS ASSOCIATED WITH THIS PROJECT AND ARRANGE ALL REQUIRED INSPECTIONS BY THE APPROPRIATE LOCAL AUTHORITIES.	5.	SECTIONS OF GREASE DUCTS THAT ARE INACCESSIBLE FROM THE HOOD OR DISCHARGE OPENING SHALL BE PROVIDED WITH CLEANOUT OPENINGS.
5.	THE CONTRACTOR MUST NOTIFY THE BUILDING OWNER IMMEDIATELY OF ANY DAMAGE OR THE DISCOVERY OF ANY EXISTING DAMAGE, THE PROTECTION OF ALL DRAWINGS AND THE PREVENT OF CLOGGING AND THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANING OF ALL DRAINS WHICH HAVE BECOME CLOGGED DURING CONSTRUCTION.	6.	CLEANOUTS AND OPENINGS SHALL BE EQUIPPED WITH TIGHT-FITTING DOORS CONSTRUCTED OF STEEL HAVING A THICKNESS NOT LESS THAN THAT REQUIRED FOR THE DUCT.
6.	HVAC UNITS WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED PREVENT DUST, DEBRIS OR ODORS FROM ENTERING. SEAL ALL DUCT AND EQUIPMENT OPENINGS WITH PLASTIC PROVIDE NEW FILTERS FOR ALL HVAC EQUIPMENT PRIOR TO COMPLETION OF PROJECT.	7.	CLEANOUT DOORS SHALL BE INSTALLED LIQUID TIGHT.
7.	THOROUGHLY CLEAN THE WORK AREA DAILY OR AS DIRECTED BY THE GENERAL CONTRACTOR FOR ALL DUST AND DEBRIS. REMOVE ALL DEBRIS FROM THE PROJECT REMOVED FROM THE WORK AREA WHICH IS NOT REUSED BY THE OWNER UNLESS DIRECTED OTHERWISE BY THE OWNER'S REPRESENTATIVE.	8.	DOOR ASSEMBLIES INCLUDING ANY FRAMES AND GASKETS SHALL BE APPROVED FOR THE APPLICATION AND SHALL NOT HAVE FASTENERS THAT PENETRATE THE DUCT.
8.	A PRELIMINARY INSPECTION OF THE HVAC WORK IN PROGRESS SHALL BE SCHEDULED THROUGH THE BUILDING OWNER PRIOR TO THE INSTALLATION OR RE-INSTALLATION OF THE CEILING GRID.	9.	GASKET AND SEALING MATERIALS SHALL BE RATED FOR NOT LESS THAN 150°F(816°C).
9.	SYMBOLS SHOWN ON SCHEDULES INDICATE THE TYPE OF EQUIPMENT ONLY. REVIEW DRAWINGS TO DETERMINE THE EXACT QUANTITIES REQUIRED FOR EACH EQUIPMENT TYPE.	10.	LISTED DOOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10.	THESE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO DEPICT THE GENERAL LOCATION OF HVAC SYSTEM COMPONENTS. DO NOT SCALE MECHANICAL DRAWINGS. CONSULT ARCHITECTURAL PLANS FOR PROPER DIMENSIONS AND LOCATION OF EQUIPMENT.	11.	1. CLEANOUTS IN HORIZONTAL KITCHEN EXHAUST DUCTS SHALL BE NO LESS THAN 20 FEET ON CENTER.
11.	PROVIDE ALL SUPPORT STEEL, HANGERS, VIBRATION ISOLATION AND ACCESSORIES REQUIRED TO INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DO NOT SUPPORT CEILINGS, LIGHTING FIXTURES, OR ANY OTHER DEVICES FROM DUCTWORK OR PIPING, UNLESS OTHERWISE NOTED. DO NOT ALLOW DUCTS, PIPING, OR CONDUTS TO DIRECTLY CONTACT THE BUILDING STRUCTURE.	12.	2. ACCESS OPENINGS SHALL BE EQUIPPED WITH TIGHT-FITTING SLIDING OR HINGED DOORS THAT ARE EQUAL IN FIRE-RESISTIVE PROTECTION TO THAT OF THE SHAFT OR ENCLOSURE. AN APPROVED SIGN SHALL BE PLACED ON ACCESS OPENING PANELS WITH WORDING AS FOLLOWS: "ACCESS PANEL. DO NOT OBSTRUCT".
12.	CONNECT ALL MECHANICAL EQUIPMENT TO DUCTWORK USING RUBBERIZED-CANVAS FLEXIBLE CONNECTIONS. INSTALL ALL MECHANICAL EQUIPMENT WITH VIBRATION ISOLATION DEVICES.	13.	INSULATION:
13.	ANY EQUIPMENT WHICH WILL REQUIRE PERIODIC INSPECTION OR SERVICE, IF LOCATED ABOVE OR BEHIND INACCESSIBLE CONSTRUCTION, SHALL BE PROVIDED WITH AN ACCESS DOOR OF SUFFICIENT SIZE TO PERMIT THE REQUIRED INSPECTION AND MAINTENANCE ACCESS PANEL. LOCATIONS WITH ASSOCIATED EQUIPMENT LOCATION.	14.	1. INSULATE ALL CONCEALED SUPPLY AND RETURN AIR DUCTS WITH MINIMUM R-6 INSULATION WITH INTEGRAL VAPOR BARRIER WRAP.
14.	ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND/OR RECOMMENDATIONS.	15.	2. INSULATE EXPOSED SPIRAL DUCT WITH 1" INTERNAL SOUND LINING.
15.	PROVIDE EQUIPMENT SUITABLE FOR THE INTENDED PURPOSE. ALL MANUFACTURERS MUST HAVE HAD SIMILAR PRODUCTS IN SATISFACTORY SERVICE FOR A MINIMUM OF 3 YEARS.	16.	3. INSTALL ALL INSULATION IN ACCORDANCE WITH ASTM E84 PROVIDE INSULATION WITH A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DEVELOPED RATING OF LESS THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84.
16.	UNOBSTRUCTED ACCESS IS REQUIRED ON ALL SIDES OF ELECTRIC EQUIPMENT. LOCATE ALL SUCH EQUIPMENT WITH ADEQUATE CLEARANCE FOR MAINTENANCE AND TO MEET THE NATIONAL ELECTRICAL CODES REQUIRED CLEARANCES.	17.	4. MAINTAIN VAPOR BARRIER ON ALL INSULATION APPLIED TO ALL EQUIPMENT, PIPING, OR DUCTWORK WHICH CONVEYS LIQUID OR AIR AT A TEMPERATURE OF LESS THAN 70 DEGREES F.
17.	PROVIDE ALL NEW EQUIPMENT/MATERIALS WITH A WARRANTY FOR A MINIMUM OF ONE YEAR FROM THE DATE OF LANDLORD/OWNER ACCEPTANCE.	18.	5. INSULATE ALL REFRIGERANT PIPING WITH 0.75" THICK CLOSED-CELL ELASTOMERIC PIPE INSULATION. AIREX E-PIPE GUARD, EXTERIOR GRADE PVC MATERIAL. FOR REFRIGERANT LINSEET INSULATION.
<u>DUCTWORK:</u>		19.	6. INCLUDE THE SERVICES OF A CERTIFIED INDEPENDENT BALANCING CONTRACTOR IN THE SCOPE OF THIS CONTRACT TO PERFORM ALL SYSTEM BALANCING PROCEDURES IN ACCORDANCE WITH NEBB AND AABC REQUIREMENTS.
1.	FABRICATE DUCTWORK FROM GALVANIZED SHEET STEEL WITH G60 COATING IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS PER ASHRAE 90.1, 64.2-2; SMACNA TABLE. ALL DUCTS ARE REQUIRED TO BE SEALED TO SMACNA CLASS A REGARDLESS OF PRESSURE CLASS.	20.	7. PROVIDE ALL NECESSARY ACCESSORIES FOR DUCTWORK TO ALLOW PROPER AIR BALANCING. BALANCE AIR SYSTEMS TO QUANTITIES INDICATED ON THE PLANS UNDER THE SUPERVISION OF A REGISTERED ENGINEER. SUBMIT BALANCING REPORTS ON NEBB OR AABC FORMS APPROVED AND STAMPED BY THE REGISTERED ENGINEER WHO SUPERVISED THE TESTING.
2.	SEAL AND/OR REPAIR ANY DUCTWORK WITH VISUAL OR AUDIBLE SIGNS OF AIR LEAKAGE.	21.	8. PERFORM A PRELIMINARY AIR SYSTEM BALANCE ON ALL DEVICES IN AREAS WHERE FINAL CLOSE-IN WOULD MAKE BALANCING MECHANISMS INACCESSIBLE. PRELIMINARY AIR BALANCING IS REQUIRED TO PREVENT THE GENERATION OF OBJECTIONABLE NOISE AT THE AIR DEVICES. SCHEDULE THE WORK SUCH THAT THE FAN SYSTEMS ARE FULLY OPERATIONAL FOR THE PRELIMINARY AIR BALANCE PRIOR TO APPLICATION OF THE FINAL FINISHES. PERFORM THE FINAL BALANCING AT THE AIR DEVICE WITH AN INTEGRAL OPPOSED BLADE DAMPER OR OTHER APPROVED BALANCING MECHANISM. ELIMINATE ANY OBJECTIONABLE NOISE CREATED BY THE BALANCING MECHANISM.
3.	DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.	22.	9. PERFORM A FINAL SYSTEM BALANCE ONLY WHEN THE SYSTEM IS COMPLETE AND CAPABLE OF OPERATING IN ACCORDANCE WITH THE DESIGN CONTROL SEQUENCES. COORDINATE THE SCHEDULE FOR THE SYSTEM BALANCE WITH ALL APPROPRIATE TRADES TO IDENTIFY AND CORRECT ANY DEFICIENCIES WHICH COULD RESULT IN AN INCOMPLETE BALANCE REPORT. INCOMPLETE BALANCE REPORTS WILL NOT BE ACCEPTED FOR REVIEW. BALANCING WILL ONLY BE CONSIDERED TO BE COMPLETE UPON RECEIPT OF AN APPROVED BALANCE REPORT FROM THE ENGINEER.
4.	USE THERMAFLEX G-KM (U.L. 181 CLASS 1) FACTORY-INSULATED TWO PLY BONDED ALUMINUM FLEXIBLE DUCTWORK. THE INSULATION SHALL INCLUDE A VAPOR BARRIER JACKET. LIMIT FLEXIBLE DUCT TO A MAXIMUM LENGTH OF 14 FEET.	23.	CONTROLS
a.	SIZE FLEXIBLE DUCTWORK TO MATCH THE NECK SIZE OF THE DEVICE. IT SUPPLIES UNLESS OTHERWISE NOTED COORDINATE WITH WORK OF THE	24.	10. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND DESIGN SERVICES REQUIRED TO PROVIDE A COMPLETE CONTROL SYSTEM. THIS WORK SHALL INCLUDE WORK REQUIRED BY ELECTRICAL CONTRACTOR AS WELL. PROVIDE INITIAL SETUP AND PROGRAMMING OF ALL CONTROLS.
b.	USE RIGID SPIRAL DUCT TO MAINTAIN FLEXIBLE DUCT LENGTHS UNDER 14 FEET (ROUND DUCT SIZE SHALL MATCH FLEXIBLE DUCT SIZE).	25.</	

- CAREFULLY CHECK THE DOCUMENTS OF OTHER SECTIONS TO ASCERTAIN THE REQUIREMENTS OF ANY MATERIALS OR EQUIPMENT BEING FURNISHED OR FURNISHED AND INSTALLED BY THAT SECTION, AND PROVIDE THE PROPER INSTALLATION OR CONNECTIONS INCLUDING CONTROLS.
- E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF SUPPLY AND RETURN AIR DEVICES AND THERMOSTATS. REFER TO THE ARCHITECTURAL DRAWINGS FOR EQUIPMENT FINISHES AND MATERIALS NOT SPECIFIED HEREIN.
- F. PROVIDE REQUIRED SUPPORTS AND HANGERS FOR DUCTWORK, PIPING AND EQUIPMENT, SUCH THAT LOADING WILL NOT EXCEED ALLOWABLE LOADING OF STRUCTURE. SUBMITTAL OF A BID SHALL BE DEEMED A REPRESENTATION THAT THE CONTRACTOR SUBMITTING SUCH BID HAS MAINTAINED ALLOWABLE LOADINGS AND HAS INCLUDED IN HIS ESTIMATES, THE COSTS ASSOCIATED IN FURNISHING REQUIRED SUPPORTS. ALL DUCTWORK, PIPING AND EQUIPMENT SUPPORTS SHALL BE INDEPENDENT OF THE CEILING SUPPORT SYSTEM.
- G. SCHEDULE ALL WORK CONNECTING WITH EXISTING SYSTEMS TO ENSURE A MINIMUM OF SERVICE INTERRUPTION. ALL INTERRUPTIONS OF SERVICES (POWER, WATER, HVAC, ETC.) AND ALL WORK IN OCCUPIED TENANT SPACES (E.G. PLUMBING OR ELECTRICAL WORK IN AN OCCUPIED TENANT'S SPACE BELOW A SPACE UNDER CONSTRUCTION) MUST BE SCHEDULED THROUGH THE BUILDING MANAGER.
- H. FURNISH ACCESS DOORS TO THE GENERAL CONTRACTOR, FOR INSTALLATION BY THE APPROPRIATE TRADES, IN LOCATIONS WHERE ACCESS IS REQUIRED TO MECHANICAL AND PLUMBING EQUIPMENT WHICH WOULD BE OTHERWISE INACCESSIBLE. CARE SHOULD BE TAKEN IN LOCATING MECHANICAL AND PLUMBING SYSTEMS TO MINIMIZE THE NUMBER OF ACCESS DOORS REQUIRED. FINAL LOCATIONS OF ACCESS DOORS IN FINISHED AREAS SHALL BE APPROVED BY THE ARCHITECT. WHERE NO ARCHITECTURAL ACCESS DOOR SPECIFICATIONS EXISTS, THEN ACCESS DOORS SHALL BE AS FOLLOWS: DRYWALL PARTITIONS - DRYWALL/MILCON STYLE DW ; DRYWALL CEILINGS - DRYWALL/MILCON STYLE DW OR STYLE WB-PL DIRECTED BY ARCHITECT; PLASTER WALLS OR CEILINGS - DRYWALL/MILCON STYLE WB-PL.
- SUBMITTALS AND APPROVALS
- A. APPROVALS FOR EQUIPMENT WILL NOT BE GIVEN UPON SUBMISSION OF MANUFACTURERS' NAMES. APPROVALS FOR EQUIPMENT WILL BE GIVEN ONLY AFTER RECEIPT OF COMPLETE AND SATISFACTORY SUBMITTALS. APPROVALS FOR EQUIPMENT WILL BE GRANTED IF SUCH EQUIPMENT CONFORMS TO THE PERFORMANCE REQUIREMENTS, SPACE CONDITIONS, WEIGHT REQUIREMENTS AND QUALITY REQUIREMENTS.
- B. NOTIFY THE ARCHITECT, IN WRITING, WITHIN 5 DAYS OF AWARD OF CONTRACT, OF THE PROPOSED DELIVERY SCHEDULE, FOR ANY EQUIPMENT OR MATERIAL, WHICH WILL PREVENT THE INSTALLATION FROM BEING COMPLETED AT THE TIME OF THE SCHEDULED PROJECT COMPLETION.
- C. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING MATERIALS AND EQUIPMENT:
- C.1 FLEXIBLE DUCT
  - C.2 AIR DEVICES
  - C.3 TEMPERATURE CONTROLS
  - C.4 TESTING AND BALANCING REPORTS
- D. DUCTWORK, PIPING AND EQUIPMENT INSTALLED WITHOUT APPROVAL THEREOF SHALL BE DONE AT THE RISK OF THIS CONTRACTOR AND THE COST OF REMOVAL OF SUCH EQUIPMENT OR RELATED WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.
- VIBRATION ISOLATORS
- A. PROVIDE DOUBLE DEFLECTION NEOPRENE ISOLATION HANGERS FOR SUSPENDED FANS AND EQUIPMENT LESS THAN 100 LBS.
- B. QUANTITY AND LOCATION OF ISOLATORS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- C. AFTER INSTALLATION AND START-UP, CONTRACTOR SHALL THOROUGHLY CHECK EACH ITEM OF EQUIPMENT FOR VIBRATION TRANSMISSION TO THE STRUCTURE OR EXCESSIVE NOISE, AND IF EITHER OCCURS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE FAULTY SITUATION IMMEDIATELY.
- LEAKAGE
- A. ALL DUCT JOINTS SHALL BE SEALED WITH HARDCAST 601.
- B. CONTRACTOR SHALL INSPECT ALL DUCTWORK, FITTINGS, INSULATION AND VAPOR BARRIER FOR DEFECTS OR LEAKAGE AND SEAL, CAP, RE-INSULATE, AND TAPE OVER AS REQUIRED TO PROVIDE REASONABLY WELL SEALED DUCT SYSTEM WITH APPROPRIATE INSULATION AND VAPOR BARRIER.
- C. ALL PRESSURIZED PIPING SHALL BE LEAK TESTED PRIOR TO ENCLOSURE OR COVER-UP. PIPING SHALL BE LEAK TESTED FOR 24 HOURS UNDER A HYDROSTATIC PRESSURE OF 150% OF THE SYSTEM DESIGN WORKING PRESSURE. CARE SHALL BE TAKEN TO PROTECT ANY EQUIPMENT WHICH MAY BE DAMAGED BY HYDROSTATIC TESTING.
- D. LEAKAGE TESTING FOR ALL DUCTWORK SHALL BE BY PHYSICAL SENSATION AND SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
- E. PERFORM ALL TESTING AFTER THE SEALS HAVE CURED COMPLETELY AND BEFORE COVERING WITH INSULATION OR CONCEALING IN MASONRY.

TYPE/CFM		• SUPPLY AIR GRILLE
		• SUPPLY ROUND DIFFUSER
TYPE/CFM		• RETURN AIR GRILLE
TYPE/CFM		• EXHAUST AIR GRILLE
		• THERMOSTAT
		• SMOKE DETECTOR
	• MANUAL DAMPER	
		• DUCT TAKE-OFF
		• WALL CAP
	• MECHANICAL EQUIPMENT WITH CLEARANCES, SEE SCHEDULES	
		• TRANSITION RECTANGULAR TO ROUND DUCT
		• TURNING VANE, 90 DEGREE ELBOW
		• RADIUS ELBOW
##/##	• SIZE OF RECTANGULAR DUCT WHERE FIRST NUMBER INDICATES WIDTH AND SECOND NUMBER INDICATES VERTICAL DIMENSION	
##Ø	• DIAMETER OF ROUND DUCT	
—CD—	• CONDENSATE PIPING	
	• UNDER CUT DOOR, 'S' DONATE SIZE	
		• POINT OF REMOVAL
		• CONNECT TO EXISTING
NOTE: NOT ALL SYMBOLS ON THIS LIST APPLICABLE TO THIS PROJECT.		

AIRFLOW (CFM)	NECK SIZE (IN.)
0 TO 100	6
101 TO 200	8
201 TO 275	10
276 TO 375	12
376 TO 475	14
476 TO 600	16

M100 COVER SHEET  
M200 FLOOR PLANS  
M300 ROOF PLANS  
M400 SCHEDULE AND CALCULATIONS  
M500 DETAILS

RENOVATION TO AN EXISTING RESTAURANT  
EXISTING HOOD TO REMAIN ALONG WITH EXISTING MAU AND  
KEF.

AMPERE	A	AMP.	FINISH(ED)	FIN.(D)	OUTSIDE AIR	OA
ABOVE FINISHED FLOOR	A	AMP.	ABOVE FINISH FLOOR	F.F.	PARTIAL	PART.
ABOVE FINISHED GRADE	A	FG.	FLEXIBLE	F.L.	PHASE	PH.
ADDENDUM	A	DD.	FLOOR	F.L.	POLYVINYL CHLORIDE	PVC
ADJUSTABLE	A	JD.	FOOT/FEET	FT.	POUND(S)	LBS
AIR CONDITIONING	A	C	GALLONS PER MINUTE	GPM	POUNDS PER SQUARE INCH	PSI
AIR HANDLER UNIT	A	HU	GALVANIZED	GALV.	PRESSURE DROP	PD.
APPROXIMATELY	A	PHU	GAS HEATER	G.H.	QUANTITY	QTY.
ARCHITECT(URAL)	A	CT(UR)L	GAUGE	G.A.	RADIUS	R.
AUTOMATIC	A	UTO	GENERAL CONTRACTOR	G.C.	REFRIGERATION	REFRIG.
AUXILIARY	A	UX.	GROUND	GND.	RECESSED	REC.
			GYPNUM BOARD	GYP.	REINFORCE(ING)(ED)(MENT)	REINF.
BUILDING	B	LDG.	HEATER	HTR.	RETURN AIR	R.A.
BOTTOM OF DUCT	B	OD	HORSEPOWER	H.P.	RELOCATED	REL.
BOTTOM OF PIPE	B	OP	HEATING, VENTILATION & AIR	HVAC	ROOF TOP UNIT	RTU
BRITISH THERMAL UNIT	B	TU.	CONDITIONING		ROOM	RM.
			HOT WATER	H.W.	SANITARY SEWER	S.S.
CAPACITY	C	AP	HOT WATER RETURN	H.W.R.	SCHEDULE	SCH.
CARBON DIOXIDE	C	O2	HERTZ	HZ.	SEASONAL ENERGY EFFICIENCY	SEER
CENTER	C	TR.	INFORMATION	INFO.	RATIO	
CIRCLE	C	IR.	INCHES	IN.	SECTION	SECT.
CONDENSATE DRAIN	C	D.	INSULATION	INSUL.	SENSIBLE	SENS.
CONDENSING UNIT	C	U.	INTERIOR	INT.	SMOKE DETECTOR	S.D.
CONSTRUCTION	C	ONST.			SOUTH	S.
CONTINUATION	C	NT.	KILOWATT	KW	SPECIFICATION(S)	SPEC.(S)
COOLING	C	NG.	LEAVING AIR TEMPERATURE	LAT.	SQUARE	SQ.
CUBIC FOOT PER MINUTE	C	FM	LEAVING	L.VG.	SQUARE FEET	SF
			LOUVER	L.	STAINLESS STEEL	SS.
DAMPER	D	MPR.	LONG RADIUS ELBOW	LRE.	SQUARE FEET	SF
DEGREE FAHRENHEIT	D	GF.	MANUFACTURE(R)	MFR.	STATIC PRESSURE	SP.
DEMOLISH(TION)	D	MO	MAKEUP AIR	MA.	SUCTION	SUCT.
DIAMETER	D	IA.	MAXIMUM	MAX.	SUPPLY AIR	SA.
DIRECT EXPANSION	D	X.	1,000 BTU/HR	MBH.	TEMPERATURE	TEMP.
DIVISION	D	IV.	MAXIMUM OVERCURRENT	MOC	TOP OF STEEL	T.O.S.
DOWN	D	WN.	PROTECTION		TYPICAL	TYP.
DOUBLE	D	BL.	MECHANICAL	MECH.	UNDERGROUND	U.G.
DRAWING(S)	D	WG(S).	METAL	MTL.	UNDERWRITER LABORATORIES	U.L.
DRY BULB	D	B.	MINIMUM	MIN.	UNIT HEATER	U.H.
DUCTLESS SPLIT	D	S.	MIXED AIR TEMPERATURE	MAT.	UNLESS NOTED OTHERWISE	U.N.O.
			MISCELLANEOUS	MISC.	UTILITY	UTIL.
EAST	E		MOTORIZED VOLUME DAMPER	MVD	VOLUME DAMPER	VD
ENTERING AIR TEMPERATURE	E	AT.	MULTIPLE	MULT.	VOLTAGE	V.
EFFICIENCY	E	FF.	NOT APPLICABLE	N/A	VOLUME	VOL.
ELECTRIC(AL)	E	LEC.	NOISE CRITERIA	NC.	WATER GAUGE	WG.
ELEVATION	E	EL.	NATURAL	NAT.	WEIGHT	WT.
ENERGY EFFICIENCY RATIO	E	ER.	NOMINAL	NOM.	WEST	WEST
ENGINEER	E	NGR.	NORTH	N.	WET BULB	W.B.
EQUAL	E	Q.	NOT IN CONTRACT	N.I.C.	WITH	W.
EQUIPMENT	E	PT.	NOT TO SCALE	N.T.S.	WITHOUT	W/O
ETCETERA	E	TC.	NUMBER	NO.#		
EXHAUST FAN	E	F.				
EXISTING	E	IST.				
EXPOSED	E	XP.				
EXHAUST	E	XH.				
EXHAUST AIR	E	AX.				
EXTERNAL	E	XT.				
EXTERNAL STATIC PRESSURE	E	SP.				
FARENHEIT	F					

BUILDING:	2015 IBC AND 2017 DCMR12A SUPPLEMENT 2015 IEBC
COVERING CODES:	2017 DISTRICT OF COLUMBIA BUILDING CODE
MECHANICAL:	2017 DISTRICT OF COLUMBIA MECHANICAL CODE
ELECTRICAL:	2014 INTERNATIONAL NFPA-70
PLUMBING:	2017 DISTRICT OF COLUMBIA PLUMBING CODE
FIRE:	2017 DISTRICT OF COLUMBIA FIRE CODE
GREEN:	2017 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE
ENERGY:	2017 DISTRICT OF COLUMBIA ENERGY CONSTRUCTION CODE

(N) = NEW  
(R) = REMOVE  
(E) = EXISTING  
(ER)= EXISTING RELOCATE  
(RR)= REMOVE AND RELOCATE

33287 1/2 M STREET NW WASHINGTON, DC 20007

# FLAVOR HIVE

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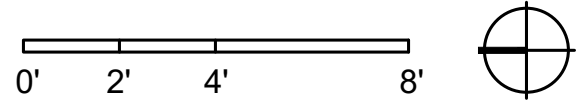
05/02/2025	
CT NO:	
BY:	HM
ED BY:	

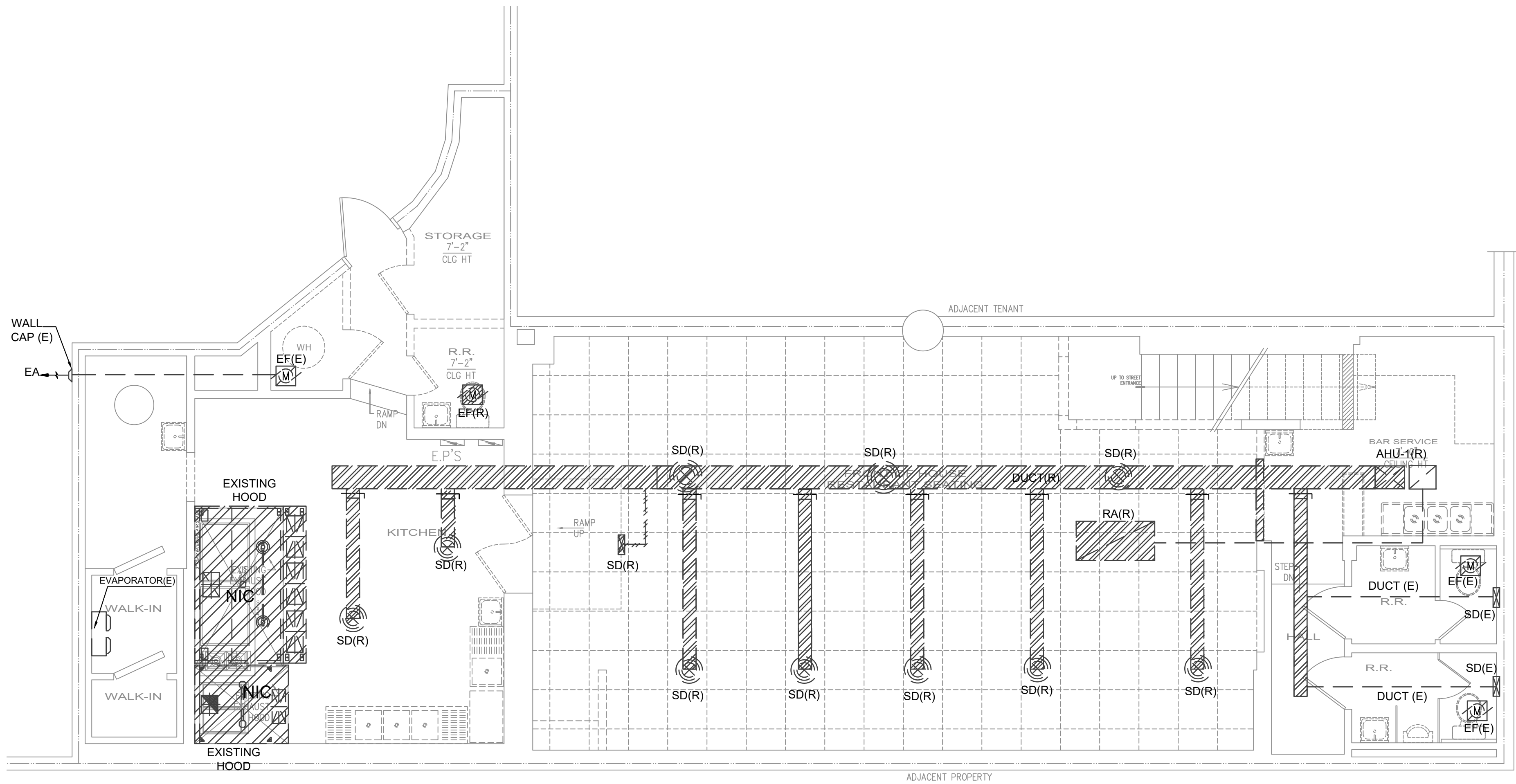


**LAMA**  
ENGINEERS LLC  
Consultants - Management - Permit  
8318 LIBERIA AVE. MANASSAS VA, 20110  
CHALID@LAMAENGINEERS.COM  
LAMAENGINEERS@OUTLOOK.COM  
TEL : 571-833-8357

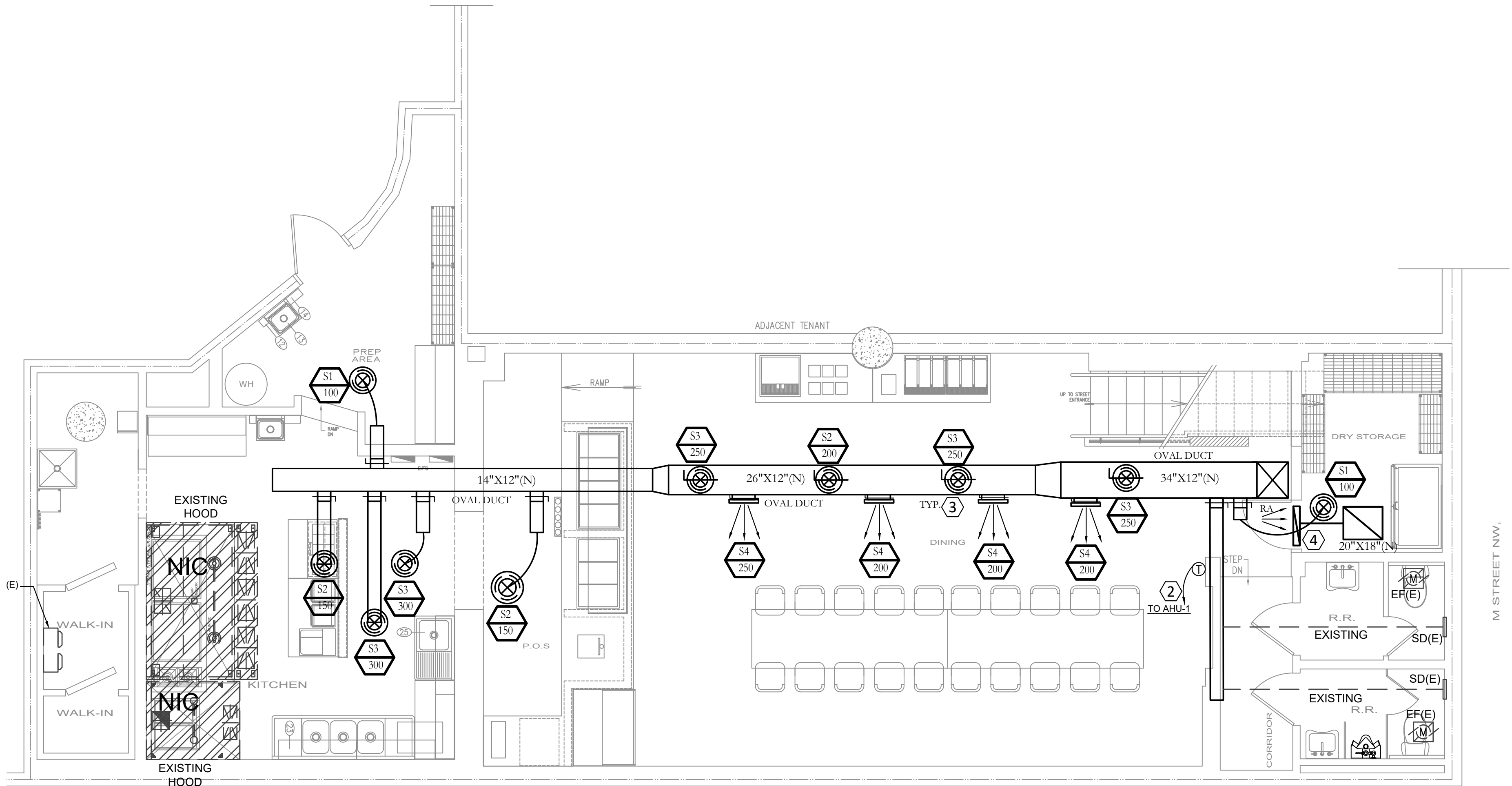
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# COVER SHEET





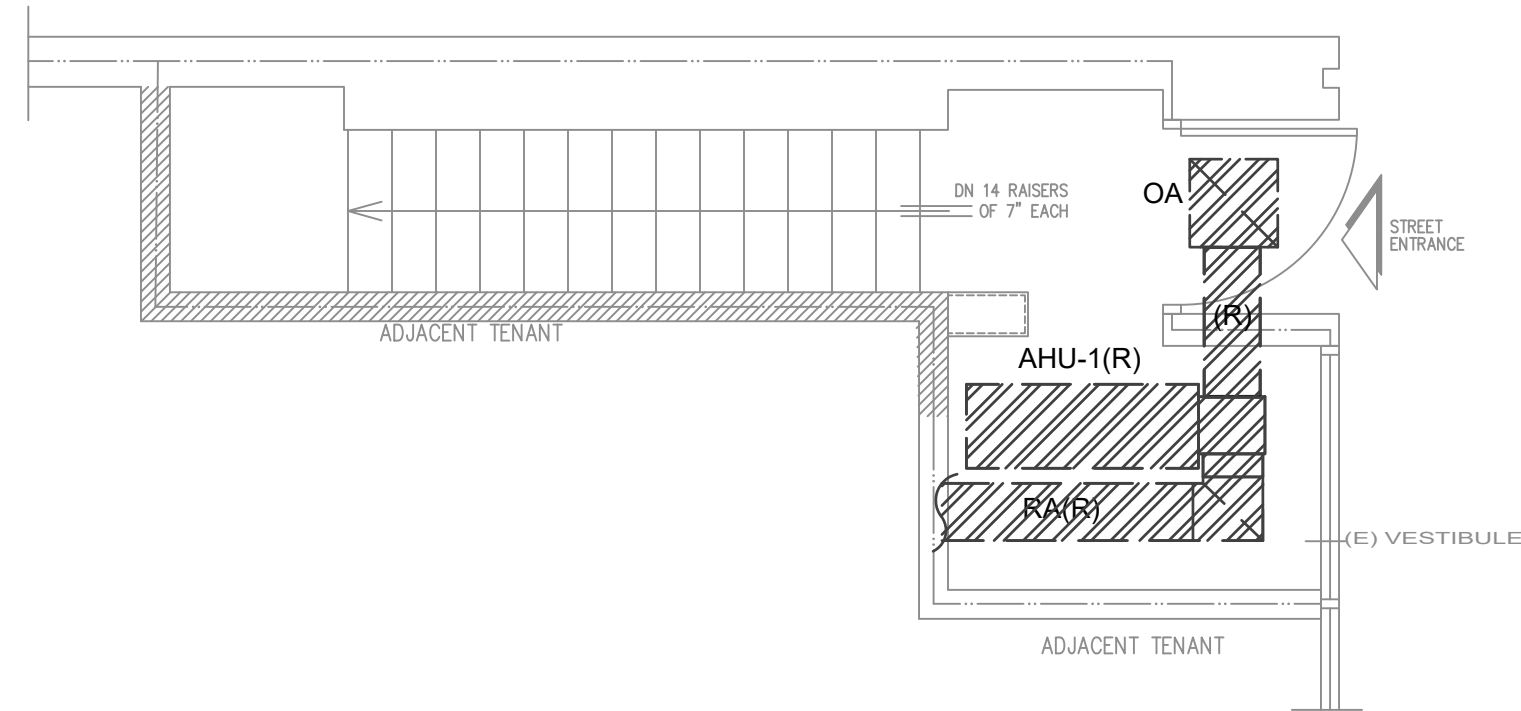
**1** EXISTING FLOOR PLAN  
SCALE: 1/4"=1'-0"



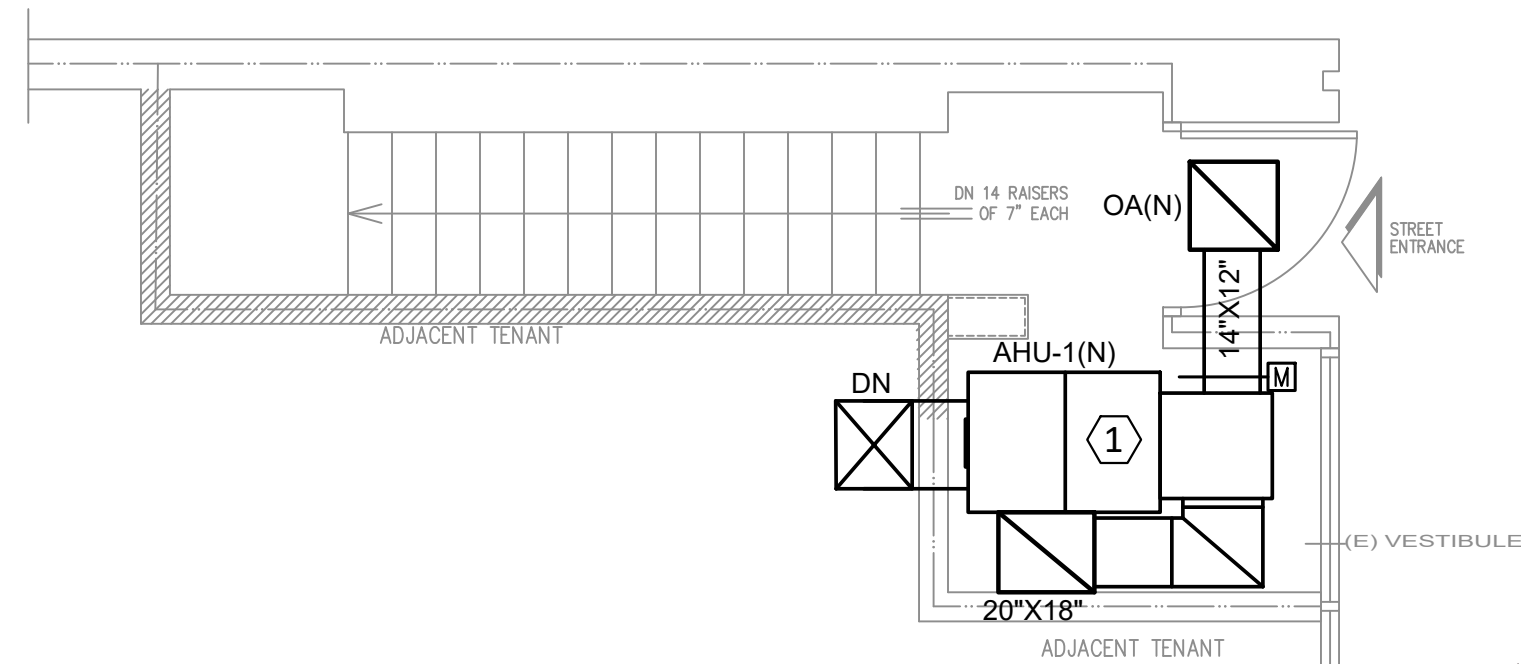
**3** NEW FLOOR PLAN  
SCALE: 1/4"=1'-0"

- MECHANICAL GENERAL SHEET NOTES:**
- A. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO LAMA ENGINEERS BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY LAMA ENGINEERS, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE.
  - B. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED TO ESTABLISH LOCATION OF WORK. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS NECESSARY TO COMPLETE THE WORK.
  - C. CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.
  - D. PRIOR TO START MECHANICAL WORK AND ANY DUCT FABRICATION, CONTRACTOR SHALL COORDINATE WITH OWNER/ARCHITECT FOR CEILING HEIGHT AND MAKE SURE HAVE ENOUGH SPACE TO RUN THE DUCTS ABOVE THE CEILING.

- MECHANICAL KEYED NOTES:**
- 1 PROVIDE AND INSTALL NEW AHU AT THIS LOCATION. AT THE SAME LOCATION OF THE EXISTING AHU. REFER TO SCHEDULE AND DETAIL FOR MORE INFORMATION. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
  - 2 PROVIDE AND INSTALL NEW THERMOSTAT TO CONTROL AHU AT THIS LOCATION. COORDINATE EXACT LOCATION WITH OWNER/ARCH.
  - 3 PROVIDE AND INSTALL NEW SUPPLY AIR DIFFUSER.
  - 4 PROVIDE AND INSTALL NEW RETURN AIR DIFFUSER.



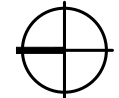
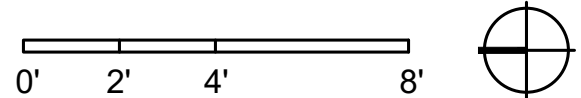
**2** EXISTING UPPER LEVEL PLAN  
SCALE: 1/4"=1'-0"



**4** NEW UPPER LEVEL PLAN  
SCALE: 1/4"=1'-0"



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TEL: 571-833-8357



**FLAVOR HIVE**  
3287 1/2 M STREET NW WASHINGTON, DC 20007

DATE: 05/02/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY:

**M200**

**FLOOR PLANS**

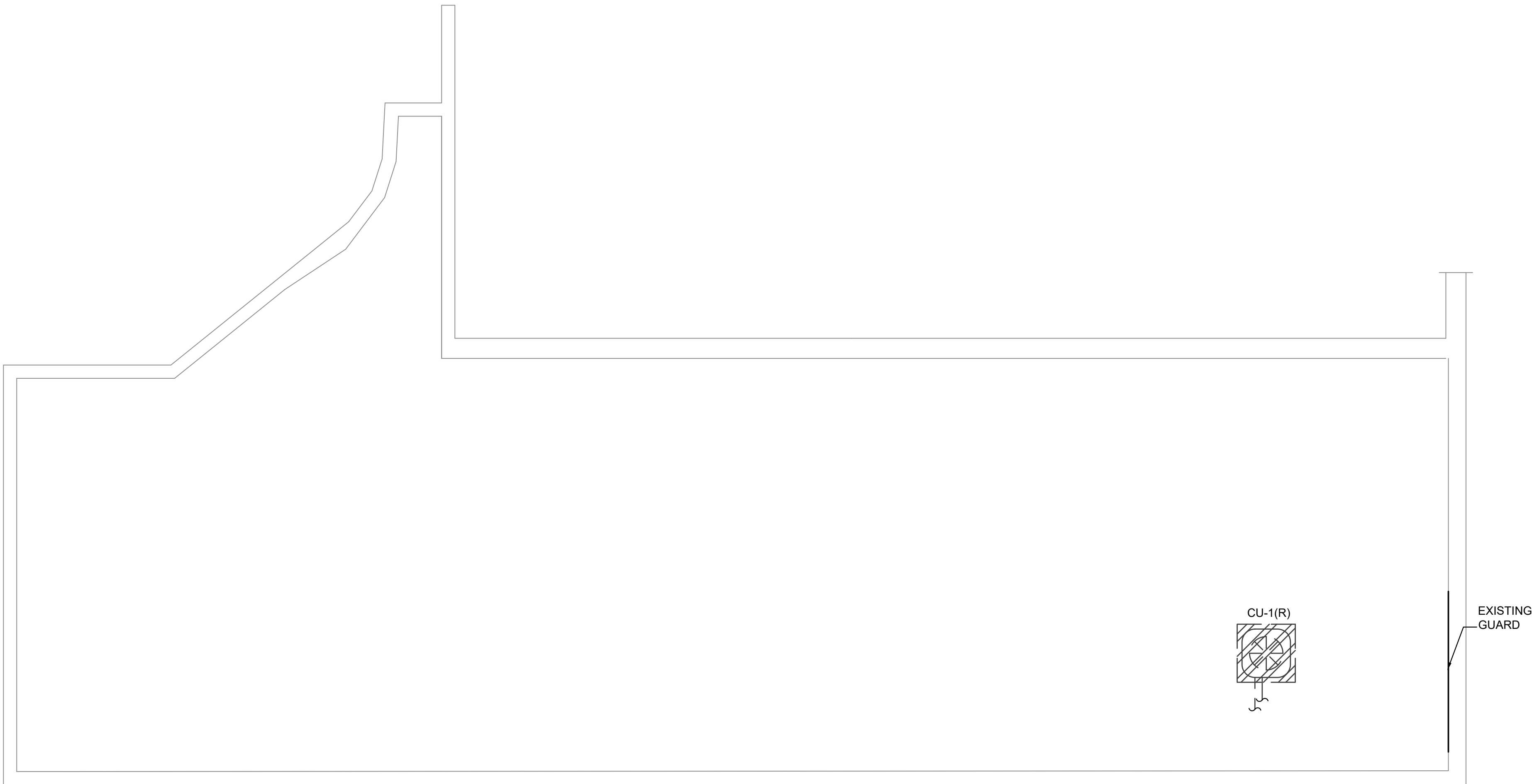
P: 703.403.6175

Interior · Exterior · Design

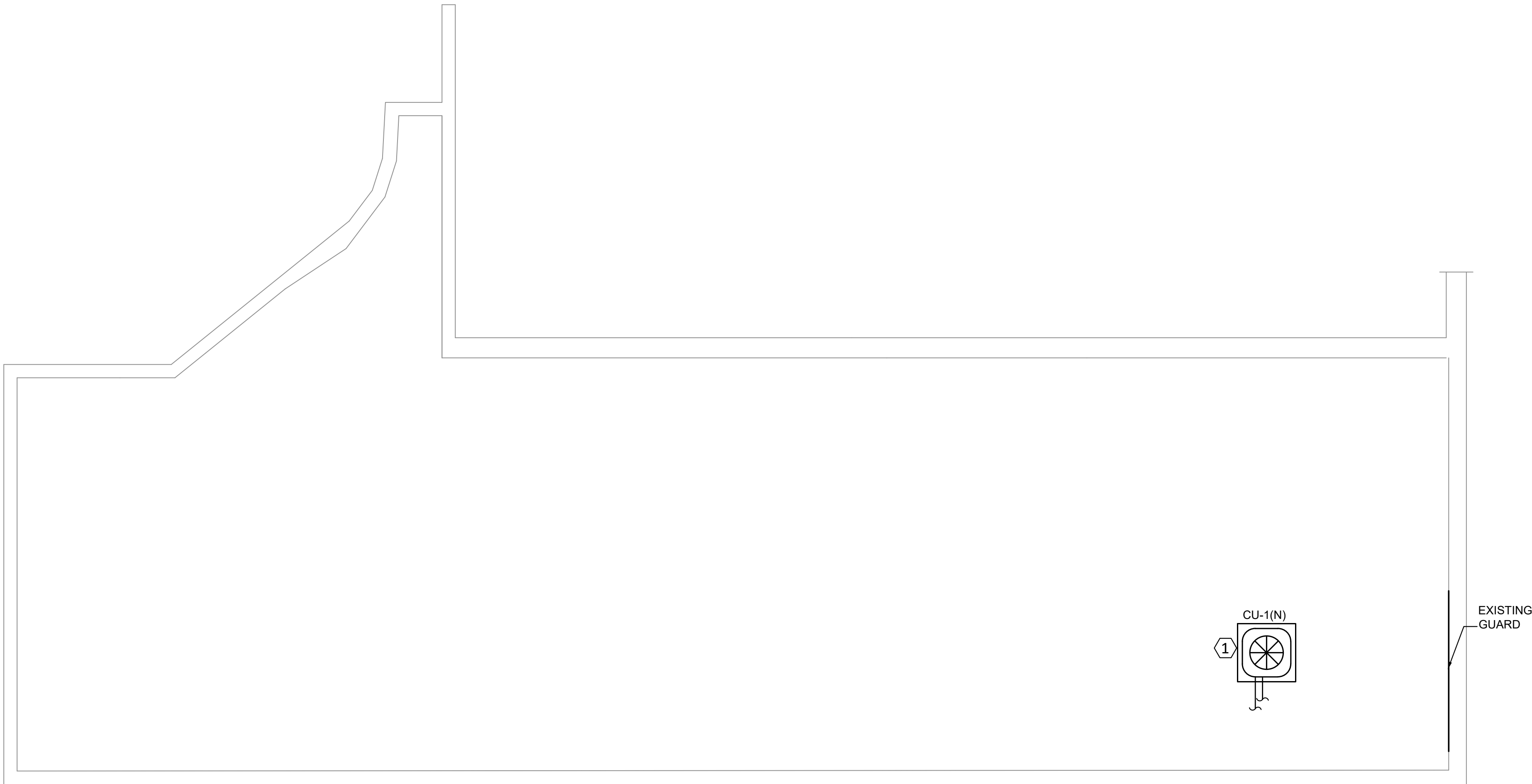
**BUILDIX**

Design · Build Company

6307 Barcroft Mews Dr  
Falls Church VA 22041  
buildix@gmail.com



**1** EXISTING ROOF PLAN  
SCALE: 1/4"=1'-0"



**2** NEW ROOF PLAN  
SCALE: 1/4"=1'-0"

- MECHANICAL GENERAL SHEET NOTES:**
- A. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO LAMA ENGINEERS BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY LAMA ENGINEERS, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE.
- B. THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED TO ESTABLISH LOCATION OF WORK. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS NECESSARY TO COMPLETE THE WORK.
- C. CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.
- D. PRIOR TO START MECHANICAL WORK AND ANY DUCT FABRICATION, CONTRACTOR SHALL COORDINATE WITH OWNER/ARCHITECT FOR CEILING HEIGHT AND MAKE SURE HAVE ENOUGH SPACE TO RUN THE DUCTS ABOVE THE CEILING.

- MECHANICAL KEYED NOTES:**
- ① PROVIDE AND INSTALL NEW CONDENSING UNIT AT THIS LOCATION. REFER TO SCHEDULE AND DETAIL FOR MORE INFORMATION. SIZE REFRIGERANTS PIPING PER MANUFACTURER'S RECOMMENDATION.

DISTRICT OF COLUMBIA

PROFESSIONAL ENGINEER

05/10/2025

FE922123

KHALID LAMA

**LAMA**

ENGINEERS LLC

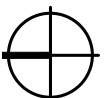
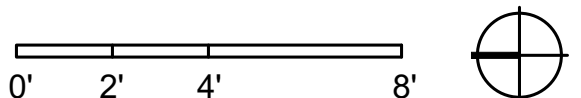
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ADDRESS: 8318 LIBERIA AVE. MANASSAS VA, 20110

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**FLAVOR HIVE**  
3287 1/2 M STREET NW WASHINGTON, DC 20007





DATE: 05/02/2025  
PROJECT NO:  
DRAWN BY: HM  
CHECKED BY:

**M300**

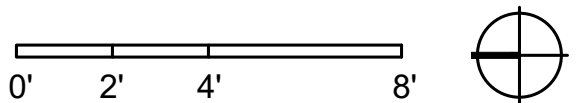
**ROOF PLAN**

Air Handler #1 - AHU-1 Total Load Summary			
Air Handler Description: AHU-1(E) Constant Volume - Sum of Peaks			
Supply Air Fan: Draw-Thru with program estimated horsepower of 0.28 HP			
Fan Input: 0% motor and fan efficiency with 0 in. water across the fan			
Sensible Heat Ratio: 0.86 --- This system occurs 1 time(s) in the building. ---			
Air System Peak Time: 5pm in August.			
Outdoor Conditions: Clg: 90° DB, 76° WB, 112.62 grains, Htg: 20° DB			
Indoor Conditions: Clg: 75° DB, 50% RH, Htg: 75° DB			
Summer: Ventilation controls outside air, ----- Winter: Ventilation controls outside air.			
Zone Space sensible loss:	0 Btuh		
Infiltration sensible loss:	0 Btuh	0 CFM	
Outside Air sensible loss:	48,592 Btuh	820 CFM	
Supply Duct sensible loss:	0 Btuh		
Return Duct sensible loss:	0 Btuh		
Return Plenum sensible loss:	0 Btuh		
Total System sensible loss:			48,592 Btuh
Heating Supply Air: 0 / (.998 X 1.08 X 0) = 0 CFM			
Winter Vent Outside Air (0.0% of supply) = 820 CFM			
Zone space sensible gain:	37,647 Btuh		
Infiltration sensible gain:	0 Btuh		
Draw-thru fan sensible gain:	717 Btuh		
Supply duct sensible gain:	0 Btuh		
Reserve sensible gain:	27,468 Btuh		
Total sensible gain on supply side of coil:			65,832 Btuh
Cooling Supply Air: 65,832 / (.998 X 1.1 X 20) = 3,000 CFM			
Summer Vent Outside Air (27.3% of supply) = 820 CFM			
Return duct sensible gain:	0 Btuh		
Return plenum sensible gain:	0 Btuh		
Outside air sensible gain:	13,498 Btuh	820 CFM	
Blow-thru fan sensible gain:	0 Btuh		
Total sensible gain on return side of coil:			13,498 Btuh
Total sensible gain on air handling system:			79,330 Btuh
Zone space latent gain:	10,575 Btuh		
Infiltration latent gain:	0 Btuh		
Outside air latent gain:	26,914 Btuh		
Total latent gain on air handling system:			37,489 Btuh
Total system sensible and latent gain:			116,820 Btuh
Check Figures			
Total Air Handler Supply Air (based on a 20° TD):		3,000 CFM	
Total Air Handler Vent. Air (27.34% of Supply):		820 CFM	
Total Conditioned Air Space:		1,324 Sq.ft	
Supply Air Per Unit Area:		2.2655 CFM/Sq.ft	
Area Per Cooling Capacity:		136.0 Sq.ft/Ton	
Cooling Capacity Per Area:		0.0074 Tons/Sq.ft	
Heating Capacity Per Area:		36.70 Btuh/Sq.ft	
Total Heating Required With Outside Air:		48,592 Btuh	
Total Cooling Required With Outside Air:		9.73 Tons	

Unit Designation: AHU-1		Unit Total Supply Air: 3000		Unit Total Required Outdoor Air: 817 CFM				Unit Total Provided Outdoor Air: 820 CFM			
A	B	C	D	E	F	G	H	I	J	K	L
Room Number	Description	Area (ft²) (Az)	Area Outdoor Air Rate per IMC Table 403.3 (Ra)	Area Outdoor Air (RaAz)	Occupant Load Rate per IMC Table 403.3 (People/1000 ft2)	Occupancy C x F/1000 (Pz)	Occupant Outdoor Air Rate per IMC Table 403.3 (Rp)	Occupant Outdoor Air (RpPz)	Breathing Zone Outdoor Air (Vbz = RpPz + RaAz)	Zone Air Distribution Effectiveness (Ez)	Zone Outdoor Air (Voz = Vbz / Ez)
storage	storage rm	107	0.12	13	0	0	0	0	13	0.8	17
kitchen	kitchen	265	0.12	32	20	6	7.5	45	77	0.8	97
dining	dining	775	0.18	140	70	55	7.5	412.5	552.5	0.8	691
corridor	corridor	36	0.06	2	0	0	0	0	2	0.8	3
dry storage	storage rm	72	0.12	9	0	0	0	0	9	0.8	12
Totals		1255		196		61		457.5	653.5	0.8	817
IMC SECTION 403 VERIFICATION RATE PROCEDURE											
						Percentage of Outdoor Air			Total Required Outdoor Air		
						27%			817		

AIR DEVICES SCHEDULE								
	MARK	CFM	SERVICE	FACE SIZE	NECK SIZE	NC MAX	MODEL	REMARKS
	S1	0-100	SUPPLY	SEE PLAN	6"Ø	30	TITUS MODEL TMR	ROUND DIFFUSER WITH TOW DISCHARGE PATTERNS
	S2	101-200	SUPPLY	SEE PLAN	8"Ø	30	TITUS MODEL TMR	ROUND DIFFUSER WITH TOW DISCHARGE PATTERNS
	S3	201-300	SUPPLY	SEE PLAN	10"Ø	30	TITUS MODEL TMR	ROUND DIFFUSER WITH TOW DISCHARGE PATTERNS
	S4	150-300	SUPPLY	18"x6"	-	-	TITUS MODEL US300F	ALUMINUM UNIVERSAL END CAP SPIRAL GRILLE AIR SCOOP DAMPER
NOTES: ① ALL CEILING DIFFUSER TO BE PROVIDED WITH: A. SQUARE TO ROUND NECK TRANSITION. B. OPPOSED BLADE DAMPER. ② SEE ARCH. REFLECTED CEILING PLAN FOR DIFFUSER AND REGISTER FOR EXACT LOCATION.								

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE														
SYSTEM	TONNAGE	SUPPLY AIR	OUTSIDE AIR	E.S.P ("H2O)	SENSIBLE COOLING (MBH) @ 95 AMB	EAT (DB/WB)	LAT (DB/WB)	TOTAL COOLING (MBH)	HEATING TYPE	HEATING CAPACITY MBH(OUTPUT)	USE NEW REFRIGERANT	EER	BASIS OF DESIGN INDOOR UNIT	OUTDOOR UNIT
AHU-1 & CU-1	10 TON	3000 CFM	820 CFM	0.75	92.9	80 F/67.0 F	56.9F/56.08 F	122.3 MBH	HEAT PUMP / ELECTRIC HEAT 14.96 KW	51.01	NEW	11.2	TRANE TWE120D3 208/3PH/60HZ 42.6 MCA/60 MOCP	TRANE TTA120E3 208/3PH/60HZ 41.0 MCA/45MOCP
NOTES: 1. ALL COOLING CAPACITIES ARE BASED ON 80°F DB, 63°F WB INDOOR ENTERING AIR TEMP AND 95°F AMBIENT OUTDOOR ENTERING AIR TEMP, 45°F SUCTION TEMP. 2. PROVIDE SYSTEMS WITH PROGRAMMABLE THERMOSTATS EQUAL TO CARRIER TB-PHP01. TEMPERATURE SET POINT HEATING AT 70°F AND COOLING AT 78°F. AUX. HEAT TEMP. MUST DISPLAY ON THE SCREEN. WHEN THE TEMPERATURE RANGE FALLS BELOW 35°F (ADJ.) THE AUXILIARY HEAT TURNS ON. 3. ESP IS EXCLUSIVE OF FILTERS, WET COIL, AND CASING LOSS. 4. HEATING AND COOLING VALVES ARE MINIMUM REQUIRED TO MEET DESIGN. 5. FURNISH UNIT WITH LOW AMBIENT CONTROLS. 6. AIR HANDLERS SHALL HAVE A MANUFACTURER'S DESIGNATION FOR AN AIR LEAKAGE OF NO MORE THAN 2 PERCENT OF THE DESIGN AIR FLOW RATE WHEN TESTED IN ACCORDANCE WITH ASHRAE 193. REFER TO SUBMITTED DOCUMENT FROM UNIT MANUFACTURER. 7. UNITS SHALL MEET ENERGY START. 8. THE ELECTRIC RESISTANCE SHALL TURN ON, ONLY WHEN THE HEAT PUMP CAN'T HANDLE THE LOAD. THE AUX. HEAT MODE IS NORMAL WHEN: THE TEMPERATURE OUTSIDE IS BELOW FREEZING AND HEAT PUMP IN DEFROST MODE.														

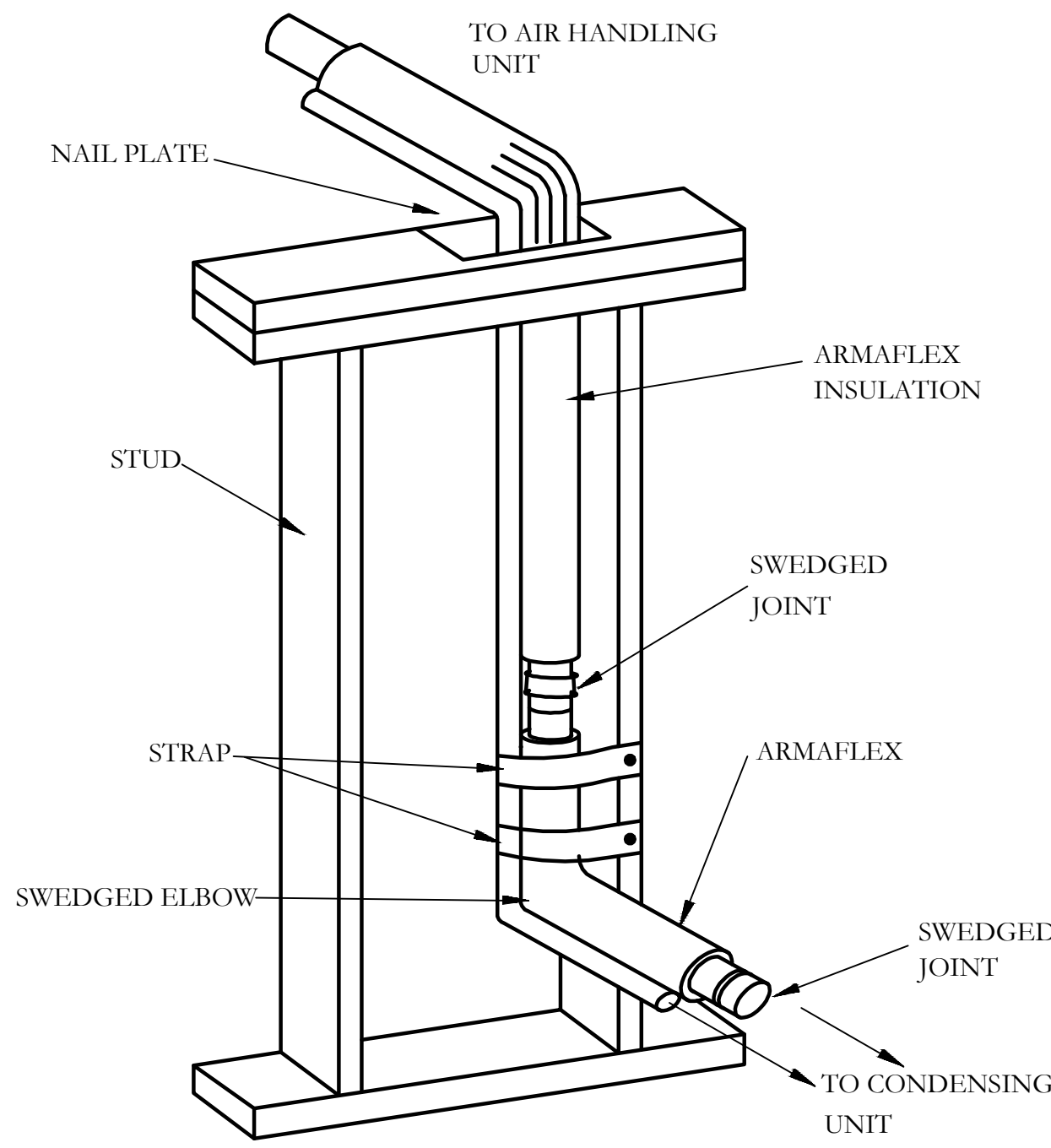


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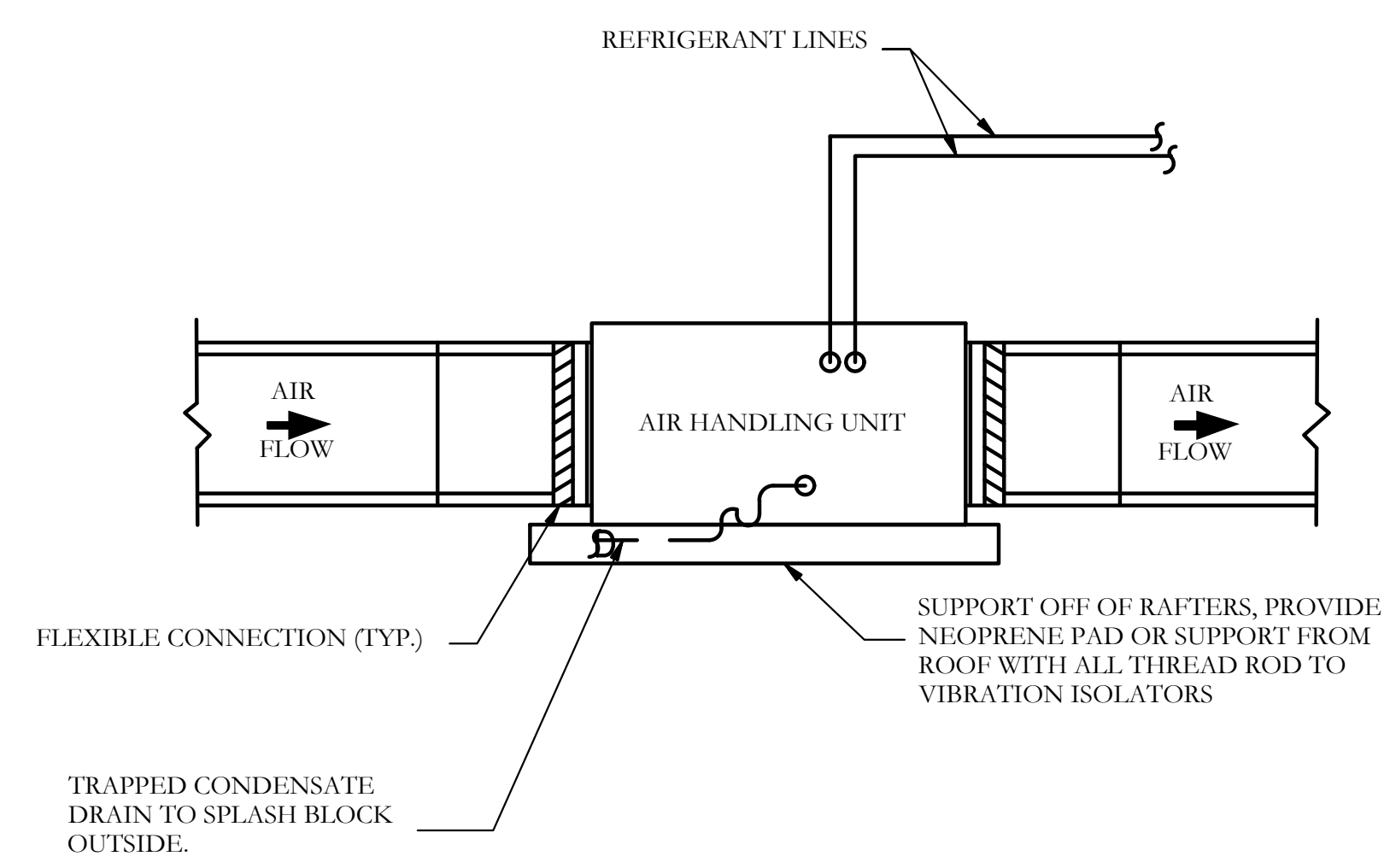
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PROJECT NO:  
DRAWN BY: HM  
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M400

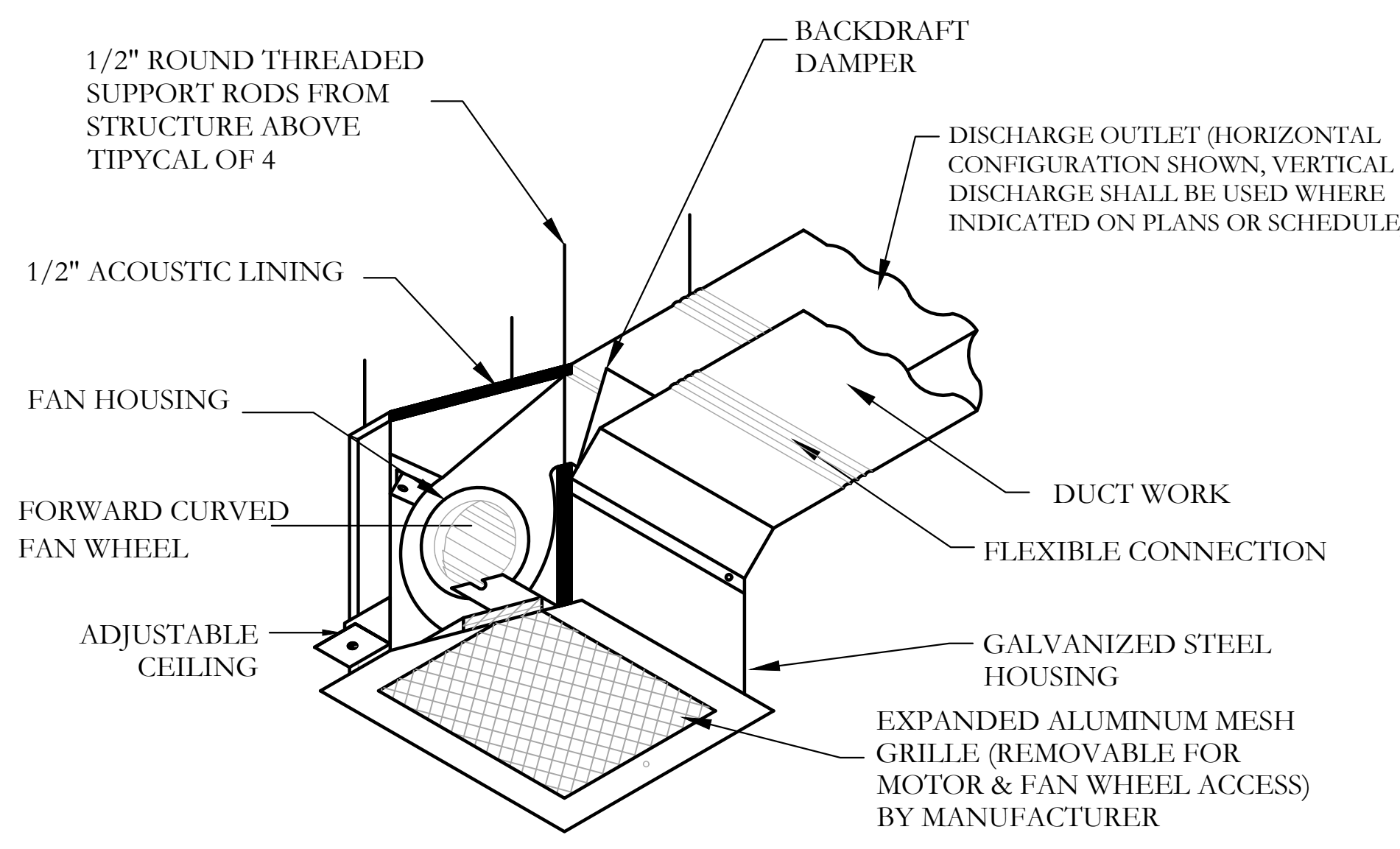
SCHEDULE AND CALCULATIONS



**1** REFRIGERANT PIPING DETAIL  
N.T.S.



**2** HORIZONTAL AHU INSTALLATION DETAIL  
N.T.S.



**3** CABINET CEILING EXHAUST FAN DETAIL  
N.T.S.



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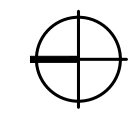
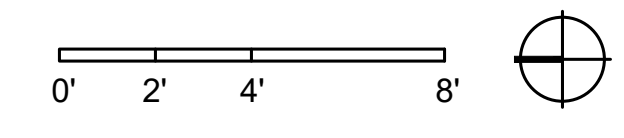
NO. REVISION.	DATE
PERMIT COMMENT	07/02/2025

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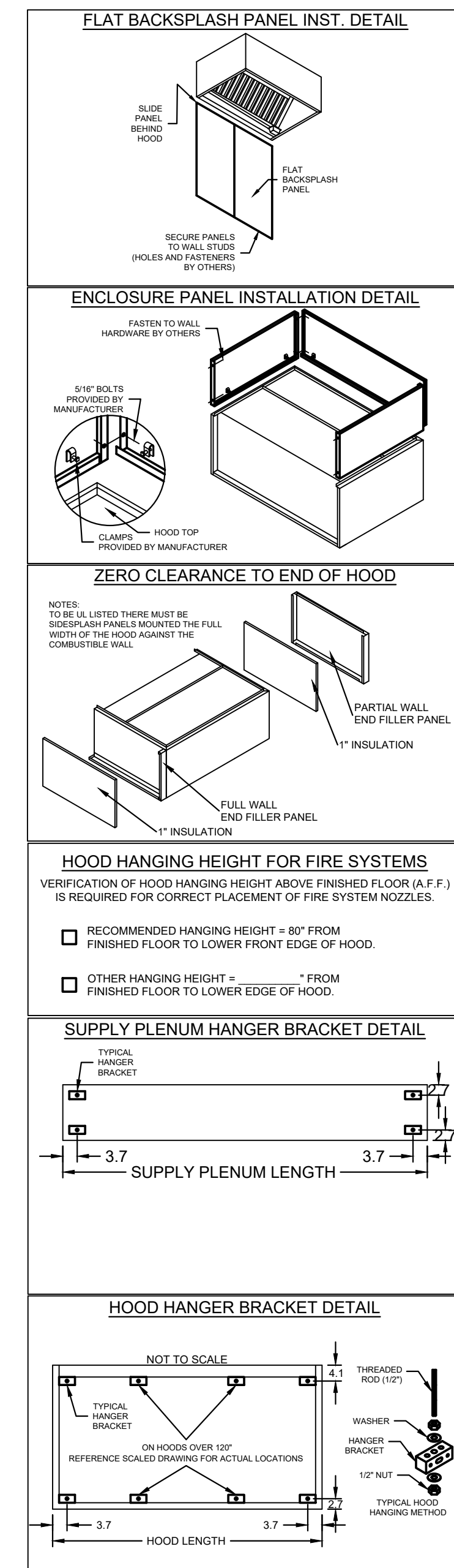
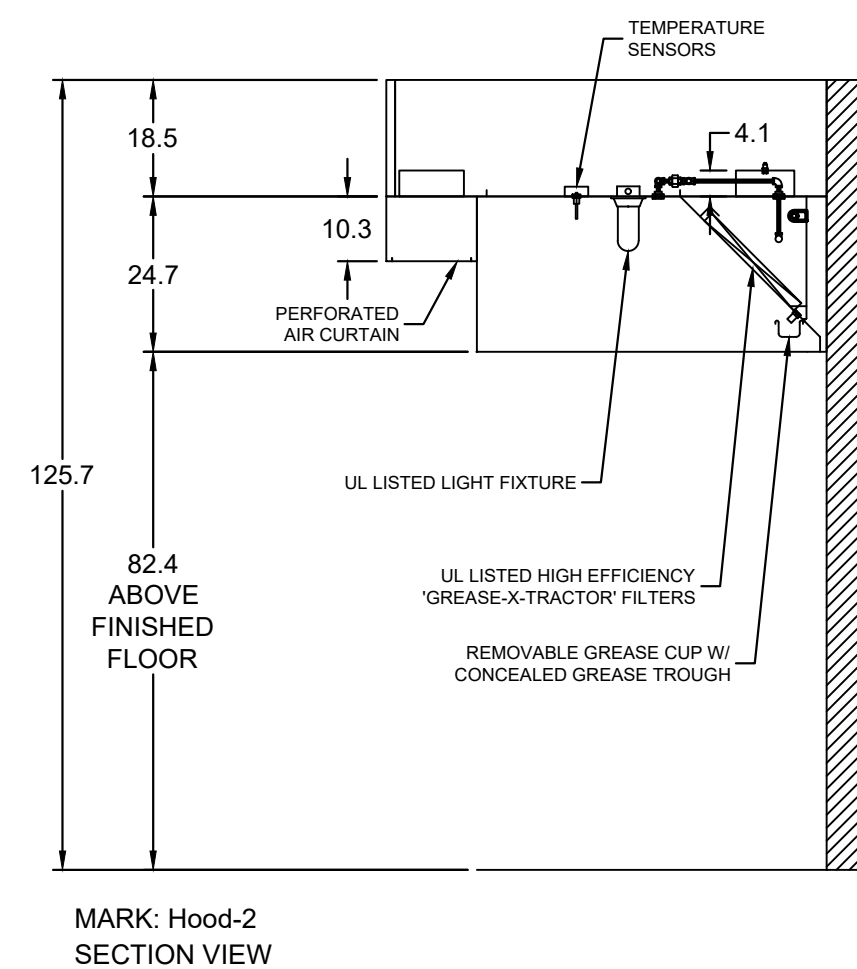
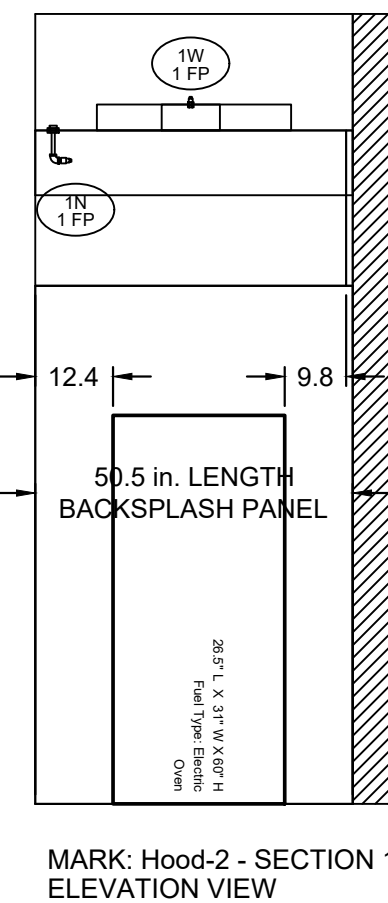
**LAMA**  
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E: KHALID@LAMAENGINEERS.COM  
LAMAENGINEERS@OUTLOOK.COM  
TEL: 571-833-8357

**M500**



**DETAILS**

HOOD OPTIONS
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
BACK INTEGRAL AIR SPACE - 3 IN WIDE
RIGHT NON-CEILING AIR SPACE - 1 IN THICK - ZERO CLEARANCE
18 IN HIGH INLET ENCLOSURES - FRONT LEFT - FIELD INSTALLED
FACORY MOUNTED EXHAUST COLLAR(S)
BACKSPLASH 80.00 IN HIGH 49.00 IN LONG
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



P: 703.403.6175


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NO.REVISION.	DATE
1 PERMIT COMMENT	07/02/2025

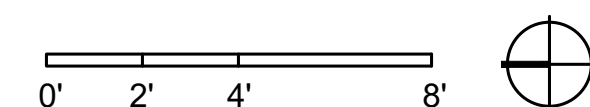
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## HOOD DRAWINGS



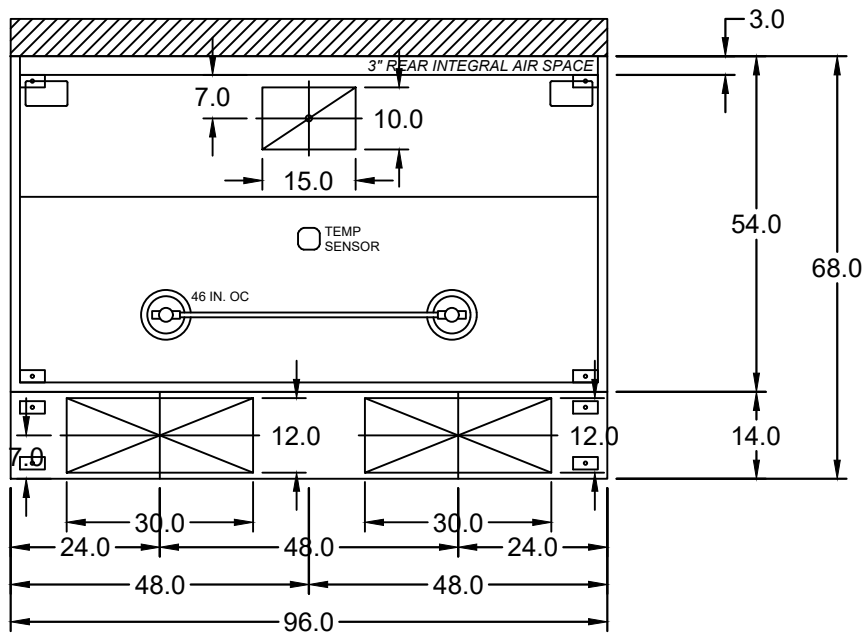
FOR INFORMATION ONLY - EXISTING HOOD TO REMAIN

HOOD INFORMATION																		
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST COLLAR(S)					SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION	
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	DIA.	CFM	S.P.	MVA CFM	AC CFM			
1	HOOD-2	EXISTING	96	54	24	430 SS WHERE EXPOSED	HEAVY	1600	10	15		1600	0.493		1280		323	SINGLE

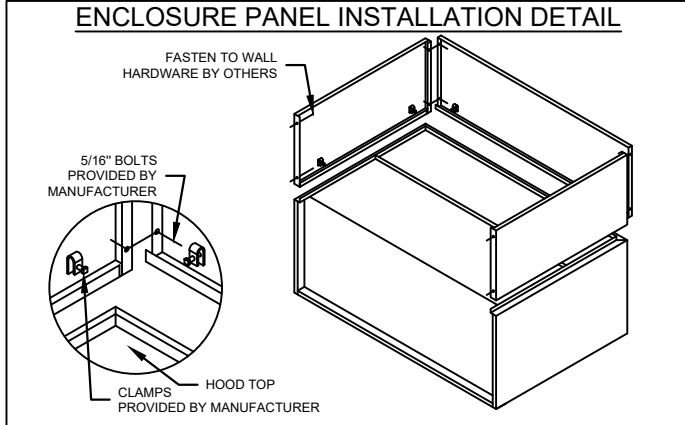
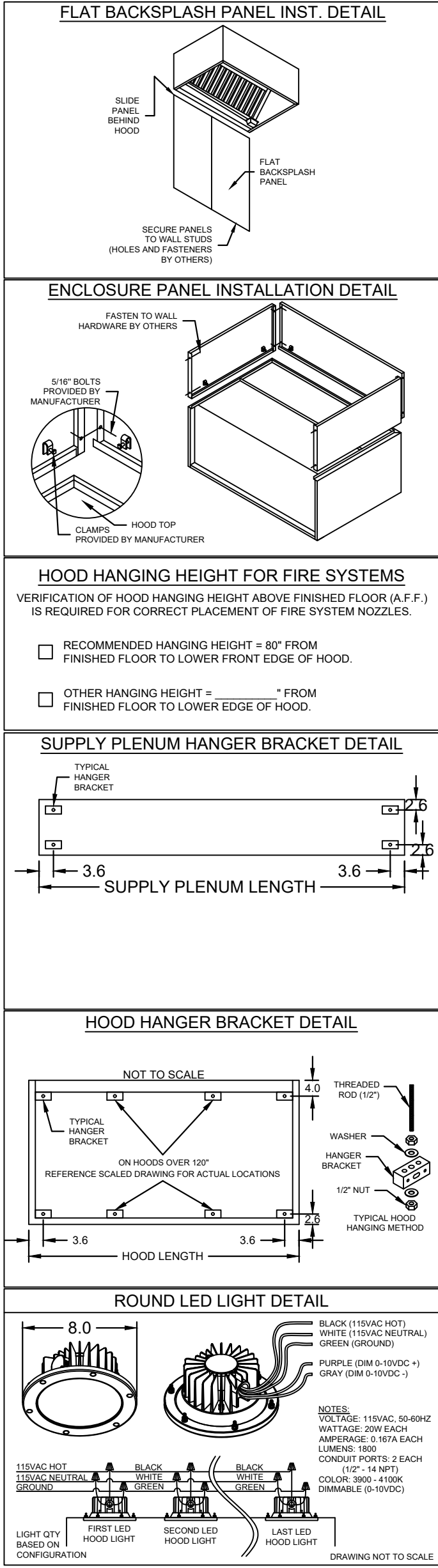
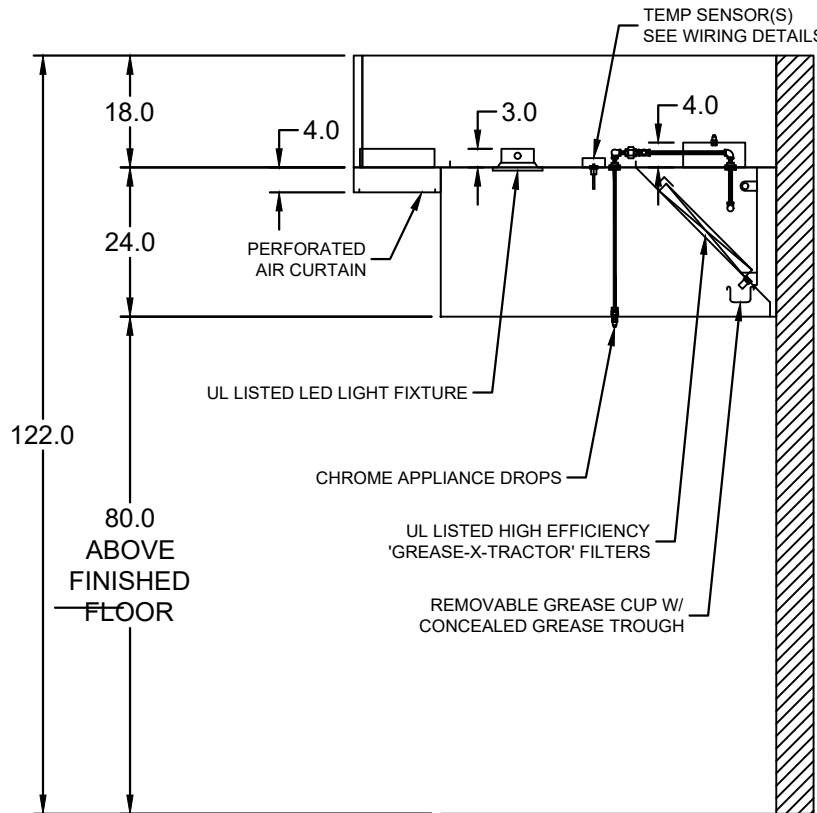
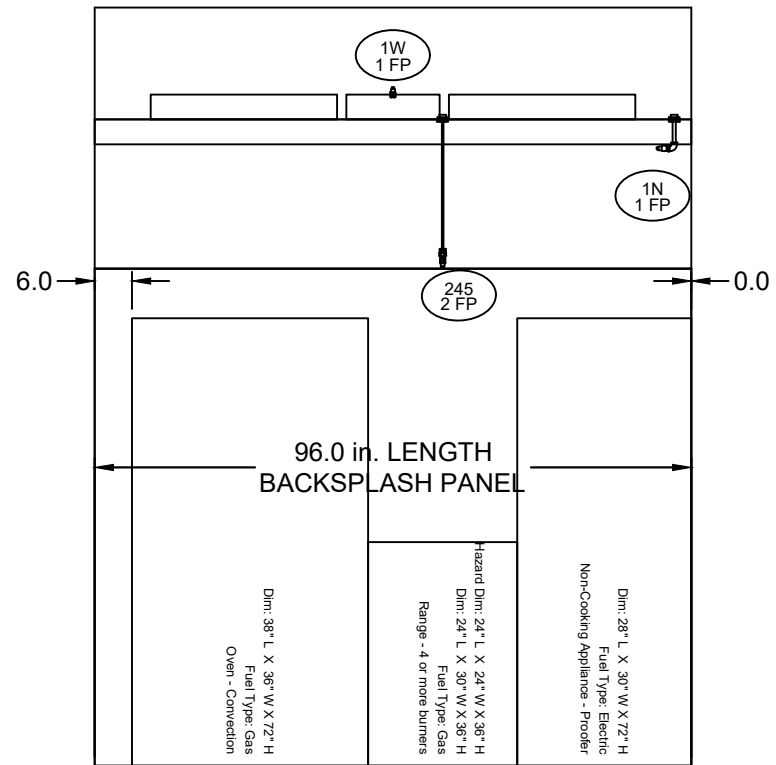
HOOD INFORMATION												
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS				UTILITY CABINET(S)			
		FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L H	LOCATION	FIRE SYSTEM TYPE	SIZE	MODEL	CONTROLS INTERFACE
1	HOOD-2	ROUND LED	2	65	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	6 0	16 20					

SUPPLY PLENUM INFORMATION												
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.
				L	W	H			SUPPLIED	QTY		
1	HOOD-2	FRONT	ASP	96	14	4	NO	YES	NO		1280	0.01

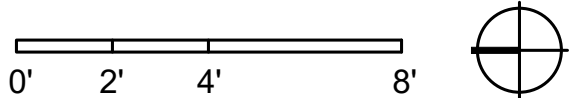
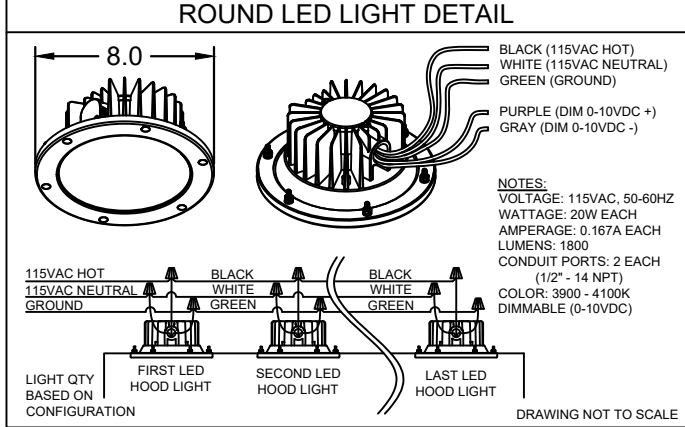
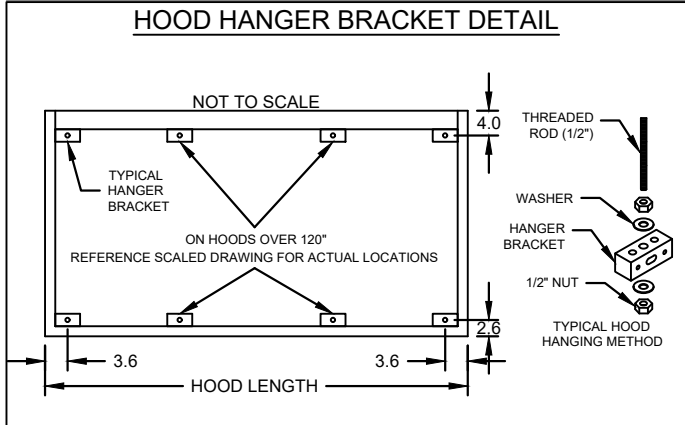
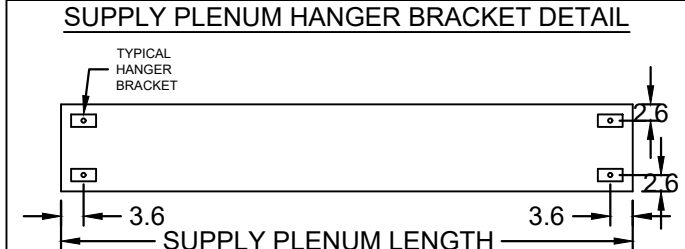
HOOD OPTIONS  
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625  
BACK INTEGRAL AIR SPACE - 3 IN WIDE  
18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED  
FACTORY MOUNTED EXHAUST COLLAR(S)  
BACKSPLASH 80.00 IN HIGH 96.00 IN LONG  
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY  
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



Fire (piping/drops/nozzles/etc.) subject to change. As built's can be provided at time of order and included with product shipment



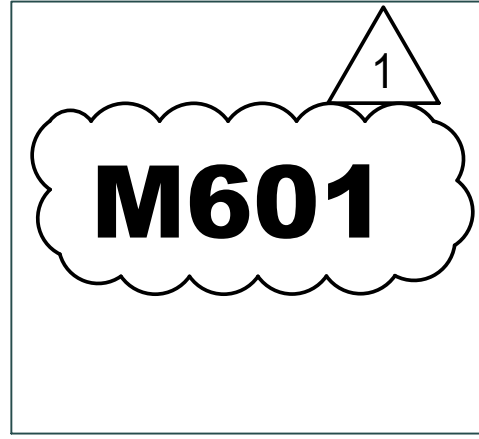
HOOD HANGING HEIGHT FOR FIRE SYSTEMS  
VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.  
☐ RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.  
☐ OTHER HANGING HEIGHT = " FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.



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HOOD DRAWINGS

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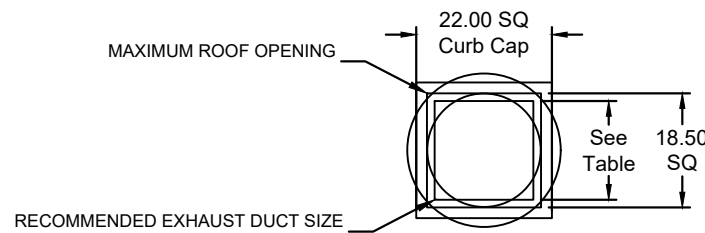
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	EXISTING	1,600	1	1,608	0.48	79	0.75	115/60/1	OP	1725	1	13.8

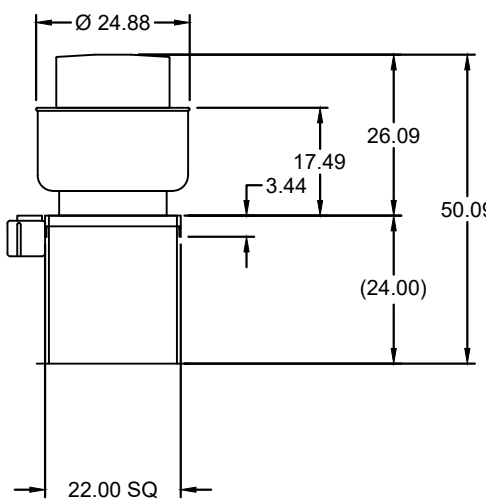
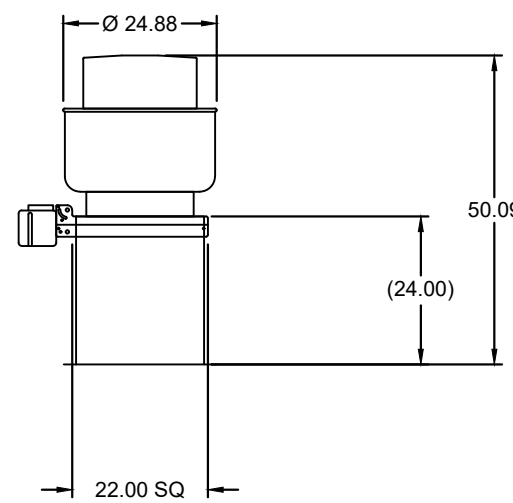
\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KEF-2 - SELECTED OPTIONS AND ACCESSORIES

One piece fully welded windband  
Tapered bushing wheel hub  
Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)  
Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)  
Larger Curb Cap Size - 22 Square  
ULcUL 706 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)  
Switch, NEMA-3R, Toggle,  
Hinge, Factory Installed  
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)  
Grease Trap (PN 475538)  
Aluminum Wheel Material



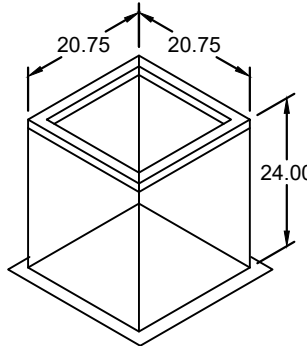
DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



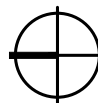
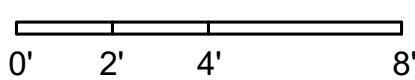
DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.

CONSULT SYSTEM DESIGN ENGINEERS FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.



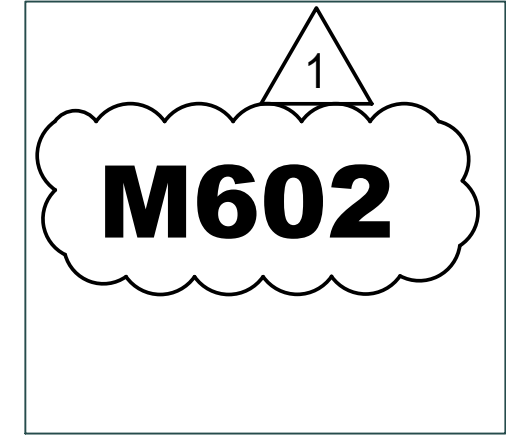
Design - Consultants - Management - Permit  
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HOOD DRAWINGS

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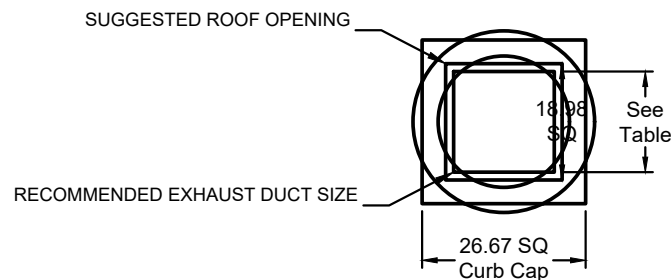
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-2	EXSTING	900	1	1,553	0.31	87	0.5	115/60/1	OP	1725	1	9.8

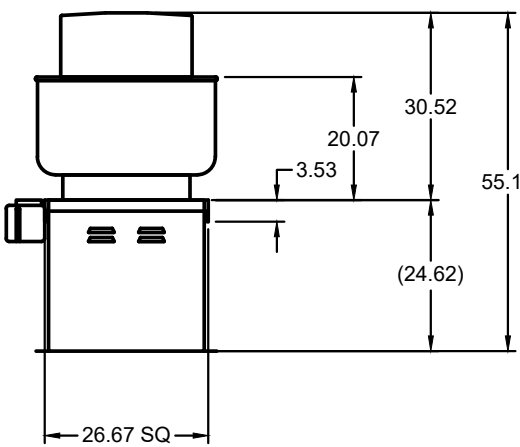
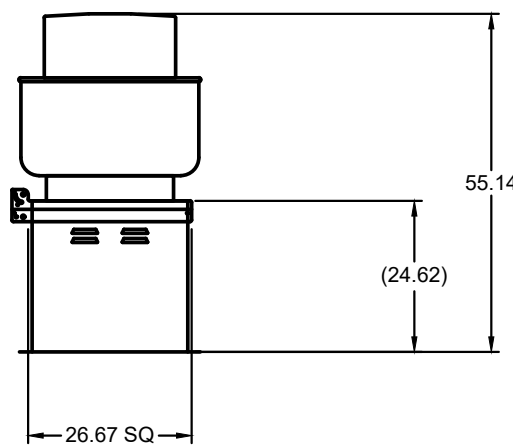
\*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

HEF-2 : SELECTED OPTIONS AND ACCESSORIES

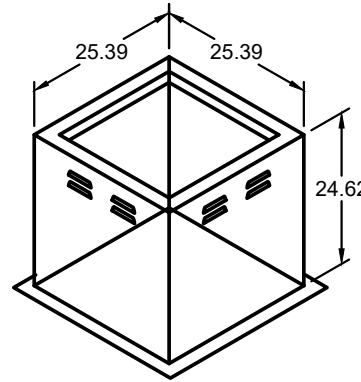
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"  
Switch, NEMA-3R, Toggle, Shipped with Unit  
Hinge, Factory Installed  
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)  
Grease Trap (PN 475538)



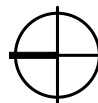
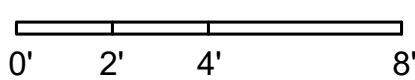
DUCT TYPE	SIZE
STANDARD	16 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.  
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.  
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR  
HINGE BASE.



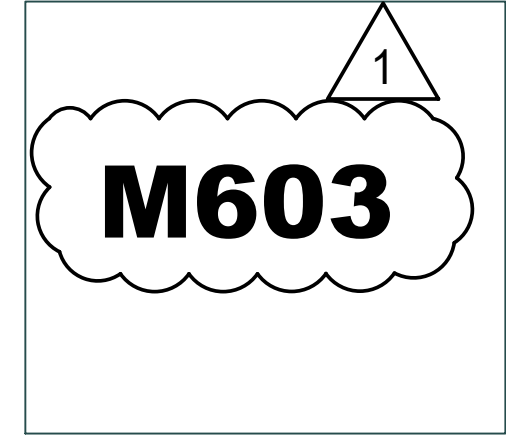
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HOOD DRAWINGS

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MUA FAN INFORMATION -

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCp	WEIGHT (LBS)	SONES
2	MAU-1	1	EXISTING	20MF-2-MOD	A2-D-500	2000	3633	0.750	1489	ODP,PREMIUM	3.000	1.8880	3	208	9.5	11.9A	20A	695	14

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MAU-1	231383	212872	55°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU1DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
2	MAU-1	1	2 YEAR PARTS WARRANTY
		1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
		1	BUTTERFLY MOD VALVE OPTION FOR MOD SIZE 2 (1" MOD VALVE)
		1	SHIP LOOSE GAS STRAINER 1"
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	SIZE 2 TEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY
		1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE - USED ON HEATERS UNDER 2500 CFM
		1	2 YEAR PARTS WARRANTY
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	43 LBS	CURB	31.500"W X 31.500"L X 20.000"H VENTED - HINGED.
2	# 2	MAU-1	80 LBS	CURB	31.000"W X 79.000"L X 20.000"H INSULATED.

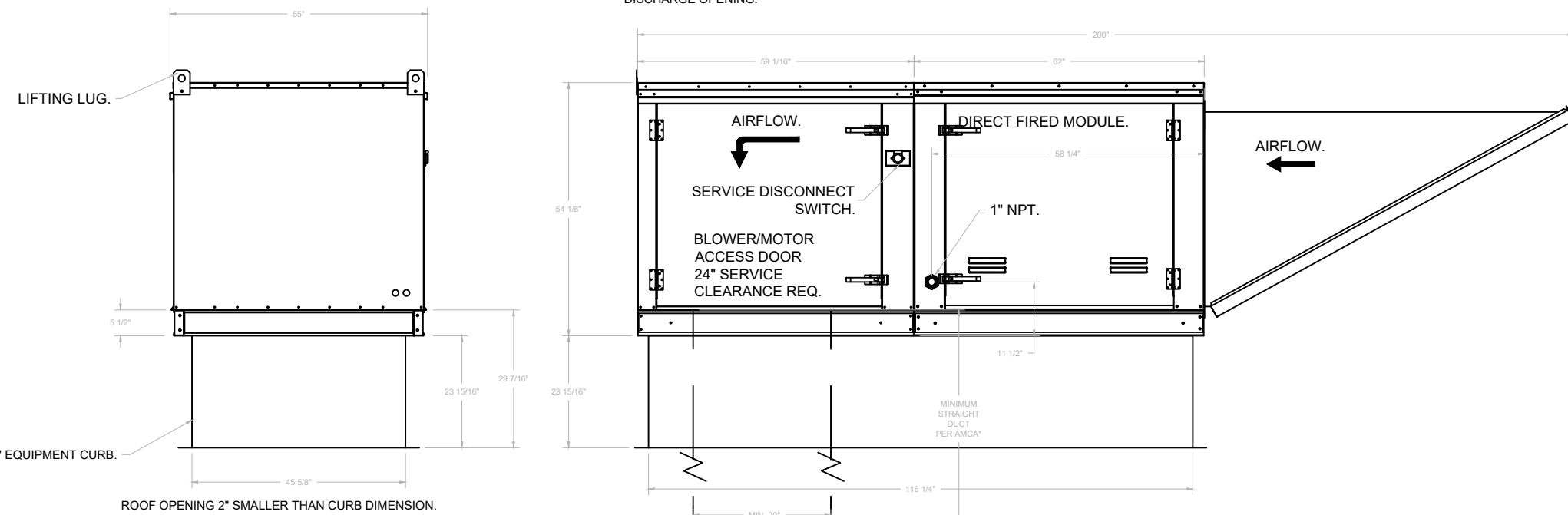
FAN #2 EXISTING - HEATER (MAU-1)

1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. GAS PRESSURE GAUGE, 0-35" 2" DIA. 1/4" THREAD SIZE
5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC, 2" DIA. 1/4" THREAD SIZE
6. BUTTERFLY MOD VALVE OPTION FOR MOD SIZE 2 (1" MOD VALVE)
7. SHIP LOOSE GAS STRAINER - TO BE INSTALLED UPSTREAM OF UNIT CONNECTION, 1" CONNECTION
8. CASLINK BUILDING MONITORING SYSTEM COMMUNICATIONS MODULE. REQUIRES INTERNET & FIELD WIRED ETHERNET CONNECTION OR 3G CELLULAR SERVICE. INCLUDES REV 3 COMM MODULE, K485 TO MODBUS CONVERTER, 3 FT CAT5 CABLE, AND 1 FT OF SHIELDED TWISTED PAIR
9. MOTORIZED BACK DRAFT DAMPER 22.5" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHIRT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LP 120S ACTUATOR INCLUDED
10. DOWN DISCHARGE CONSTRUCTION FOR SIZE 2 DIRECT DRIVE AHUS
11. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH
12. PROFILE PLATE CONFIGURATION FOR SIZE 2 DIRECT FIRED UNIT FOR LOW CFM APPLICATIONS
13. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION)
14. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET
15. 2 YEAR PARTS WARRANTY

\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING-VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT IS 20" x 20".

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 21°F, TEMP. RISE = 55°F.  
BTUs CALCULATED OFF ACTUAL AIR DENSITY.  
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 231872  
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 231600  
OUTPUT BTUs AT ALTITUDE OF 26 FT. = 231872  
INPUT BTUs AT ALTITUDE OF 26 FT. = 231382



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ADDRESS: 8318 LIBERIA AVE. MANASSAS VA, 20110  
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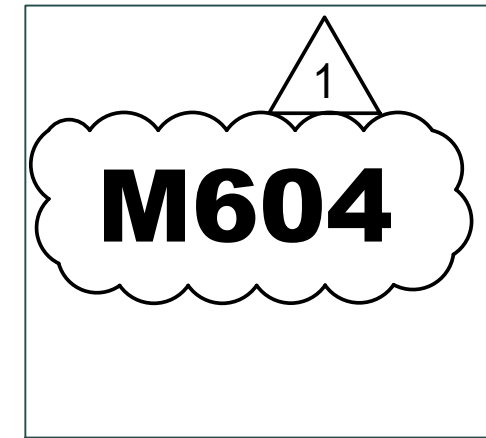
0' 2' 4' 8'



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HOOD DRAWINGS

PLUMBING SPECIFICATIONS:

- GENERAL NOTES:
- A. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL CODES, ORDINANCES AND STANDARDS OF THE LOCAL JURISDICTION. IN CASE OF A CONFLICT BETWEEN DRAWINGS OR SPECIFICATIONS AND THE REQUIREMENTS OF THE LOCAL JURISDICTION, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- B. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS, LEAKS, LACK OF PROPER SYSTEM PERFORMANCE OR NON-OPERATION FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.
- C. ALL WORK SHALL BE COORDINATED WITH ALL TRADES, PRIOR TO INSTALLATION AND SHALL CONFORM WITH ALL APPLICABLE BUILDING CODES, FIRE CODES, AND ALL AUTHORITIES HAVING JURISDICTION.
- D. IN GENERAL, DRAWINGS FOR THE WORK ARE DIAGRAMMATIC AND SHOW THE LOCATION, TYPE AND SIZE OF PIPING, EQUIPMENT, AND ACCESSORY EQUIPMENT. THE CONTRACTOR SHALL FURNISH ALL ITEMS NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE WORK, WHETHER CALLED FOR OR NOT. THE CONTRACTOR SHALL VERIFY ALL NECESSARY DIMENSIONS BEFORE INSTALLING ANY OF THE WORK AND SHALL CHECK HIS LAYOUTS TO ALLOW CLEARANCE REQUIRED FOR OTHER WORK. THE SCOPE OF WORK CONSISTS GENERALLY OF PROVIDING AND INSTALLING COMPLETE PLUMBING AND GAS SYSTEMS AND FINAL TESTING OF ALL SYSTEMS AND EQUIPMENTS AS REQUIRED, THE CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
- E. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS.

- PRODUCTS:
- A. PLUMBING FIXTURES: ALL FIXTURES SHALL BE SELECTED BY OWNER. PROVIDE ALL FIXTURES WITH TRIM, CARRIER SUPPLIES, AND TRAPS AS REQUIRED FOR COMPLETE INSTALLATION.
- B. THE EQUIPMENT SPECIFIED ON THE DRAWINGS HAVE BEEN SELECTED AS THE BASIS OF DESIGN. THE USE OF REVIEWED OR SPECIFIED EQUALS SHALL BE COORDINATED BY THE CONTRACTOR FOR SPACE REQUIREMENTS, EQUIPMENT DIMENSIONS, AND PERFORMANCE.
- C. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION UNLESS SPECIFICALLY DIRECTED OTHERWISE.

- MATERIALS:
- A. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE SHOW OR SPECIFIED.
- B. ALL MATERIALS INSTALLED IN RETURN PLENUM ARE TO BE PLENUM RATED.
- C. PIPING MATERIALS AND FITTING SHALL BE AS FOLLOWS:
- WASTE & VENT (ABOVE & BELOW SLAB): PVC PIPE, PVC SOCKET FITTING, AND SOLVENT-CEMENTED FITTING.
  - DOMESTIC WATER (BELOW & ABOVE SLAB): CPVC PIPE OR COPPER TYPE 'K' (BELOW SLAB) AND COPPER TYPE 'L' (ABOVE SLAB)
- THREADED FITTINGS MAY BE USED AT VALVES, FIXTURES & SIMILAR.
- D. ANY PLUMBING FIXTURES WITH A COMMON SHUT-OFF VALVE (I.E. PRE-RINSE, KITCHEN SINK, MOP SINK) ARE TO INCLUDE A CHECK VALVE ON THE HOT & COLD WATER VALVES TO PREVENT INTERCONNECTION OF HOT & COLD WATER LINES.

- INSULATION:
- A. DOMESTIC WATER PIPING:  
1/2" MINIMUM INSULATION FOR DOMESTIC COLD WATER AND 1" MINIMUM INSULATION FOR DOMESTIC HOT WATER. MIN. R3 THERMAL RESISTANCE.
- B. STORM WATER PIPING:  
THE HORIZONTAL SECTION OF THE RAIN LEADERS, RISER TO AND INCLUDING THE INTERIOR PART OF THE ROOF DRAIN SHALL BE COVERED WITH 1" THICK INSULATION. ALSO THE TRANSITION FITTINGS OF BOTH FROM HORIZONTAL TO VERTICAL AND VICE VERSA.
- C. FREEZING:  
WATER, SOIL AND WASTE PIPES SHALL NOT BE INSTALLED OUTSIDE OF A BUILDING, IN ATTIC OR CRAWL SPACES, CONCEALED IN OUTSIDE WALLS, OR IN ANY OTHER PLACE SUBJECTED TO FREEZING TEMPERATURES UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPES FROM FREEZING BY INSULATION OR HEAT OR BOTH.  
WATER PIPING INSTALLED IN EXTERIOR WALLS, CEILINGS, AND UNPROTECTED FLOOR SPACES SHALL BE PROTECTED BY A MINIMUM R-24 INSULATION ON THE COLD SIDE OF THE PIPING, WITH NO INSULATION ON THE WARM SIDE OF THE PIPING. EXTERIOR WATER SUPPLY SYSTEM PIPING SHALL BE INSTALLED NOT LESS THAN 6 INCHES BELOW THE FROST LINE AND NOT LESS THAN 12 INCHES BELOW GRADE.

- VALVES:
- A. DOMESTIC WATER:  
ALL VALVES SHALL BE SWEATED BRONZE GATE VALVE WITH SCREW-IN BONNET, RISING STEM MINIMUM RATING OF 125 PSI. TWO PIECES BALL VALVES WITH EXTENDED HANDLE MAY BE USED IN LIEU OF THE GATE VALVES.

- HANGERS:
- A. SHALL BE ADJUSTABLE CLEVIS HANGERS, PROPERLY SIZED AND SPACED FOR PIPING, INCLUDING INSULATION.
- EXECUTION:
- A. SOIL, WASTE & STORM AND VENT:
- ALL ALL SANITARY SEWER PIPING 3" AND LARGER SHALL SLOPE AT 1% OR 1/8" PER FOOT, UNLESS NOTED OTHERWISE. ALL SANITARY SEWER PIPING 2" AND SMALLER SHALL SLOPE AT 2% OR 1/4" PER FOOT.
  - ALL STORM DRAIN PIPING SHALL SLOPE AT 1% OR 1/8" PER FOOT, UNLESS NOTED OTHERWISE.
- B. INSTALL FIXTURES LEVEL, PLUMB AND PARALLEL TO WALLS. ALL EXPOSED METAL PARTS SHALL BE CHROME PLATED AND SHOW NO TOOL MARKS. GROUT BETWEEN WALL HUNG FIXTURES AND WALL. PROVIDE ACCESS PANELS TO ALL CONCEALED SUPPLY STOPS AND TRAP.
- C. FIXTURES DESIGNATED FOR USE BY PHYSICALLY HANDICAPPED PEOPLE SHALL BE IN ACCORDANCE WITH ANSI A 117.1.
- D. INSTALL DIELECTRIC CONNECTION BETWEEN DISSIMILAR METALS, PIPE TO PIPE, PIPE TO EQUIPMENT, PIPE TO SUPPORT.
- E. FURNISH AND INSTALL JOSAM 75000 SERIES SHOCK ARRESTERS AT THE ENDS OF

- F. ALL HOT AND COLD WATER BRANCHES TO FIXTURES, SIZES SHALL BE IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.1
- F. ALL WALL AND FLOOR CLEAN OUTS, SERVING 4" AND SMALLER, SHALL BE THE SAME SIZE AS THE PIPING SYSTEM THEY CLEAN OUTS SERVING 5" AND 6" PIPE SYSTEMS SHALL BE 4". CLEAN-OUTS SERVING 8" PIPING SYSTEMS SHALL BE 6". CLEAN OUTS SERVING, 10" AND LARGER, SHALL BE 8".
- G. ALL ROOF WORK SHALL BE PER THE ROOFING MANUFACTURE'S INSTALLATION INSTRUCTIONS TO MAINTAIN THE EXISTING ROOF WARRANTY.
- H. PROVIDE TEMPERING VALVES FOR ALL LAVATORIES AND HAND WASHING SINKS. TEMPERING VALVES SHALL CONFORM WITH ASSE 1070 (WATTS MODEL LFMMVM-US OR EQUIVALENT).
- I. PROVIDE WATER HAMMER ARRESTERS AT ALL QUICK CLOSING VALVES WITH ISOLATION VALVE AND WITH ACCESS OR ACCESS PANEL.
- J. ALL THREADED HOSE CONNECTIONS TO DOMESTIC WATER SYSTEM SHALL HAVE AN APPROVED VACUUM BREAKER. IIE: HOSE BIBS, WALL HYDRANTS, SYSTEM DRAINS, EQUIPMENT DRAINS, ETC.
- K. PROVIDE ACCESS PANELS IN HARD CEILINGS AND WALLS FOR ACCESS TO ALL PLUMBING EQUIPMENT, ISOLATION VALVES, ETC. THIS SHALL INCLUDE ALL NEW AND EXISTING PLUMBING ITEMS REQUIRING ACCESS.
- L. PROVIDE REDLINE MARKUPS OF ANY FIELD CHANGES OR MODIFICATIONS ON THE CONSTRUCTION DOCUMENTS. REDLINE DRAWINGS SHALL BE REQUIRED WHETHER COORDINATION DRAWINGS ARE REQUIRED OR NOT.

- M. THE LOCATION AND CONDITION OF THE EXISTING PROPERTY AND PLUMBING SYSTEMS WERE TAKEN FROM PREVIOUS CONSTRUCTION DRAWINGS, OBSERVED FIELD CONDITIONS, AND ASSUMED FIELD CONDITIONS. CERTAIN ASSUMPTIONS MAY BE MADE REGARDING EXISTING CONDITIONS BECAUSE THE ASSUMPTION MAY NOT BE VERIFIED WITHOUT DESTROYING THE EXISTING SPACE. CONTRACTOR SHALL VERIFY EXISTING SYSTEMS PRIOR TO SUBMITTING FINAL BIDS, FABRICATION, OR SUBMITTALS.

- N. ALL PLUMBING FIXTURES AND PLUMBING SYSTEM EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, VALVES, STOPS, TAILPIECES, TRAPS, FAUCETS, STRAINERS, ETC REGARDLESS OF PRESENCE ON PLANS. SEE FIXTURE SCHEDULE.
- O. ALL QUESTIONS MUST BE SUBMITTED IN RFI FORMAT TO THE ARCHITECT AND MUST BE ADDRESSED BY THE APPROPRIATE DESIGNER OF RECORD PRIOR TO BECOMING A PROPOSED CHANGE ORDER.
- P. ALL PIPING IN FINISHED AREAS SHALL BE RUN CONCEALED. EXPOSED PIPING, WHERE NECESSARY, SHALL RUN AS HIGH AS POSSIBLE AND TIGHT TO THE WALLS.

- Q. EACH PLUMBING VENT SHALL TERMINATE NOT LESS THAN TEN (10) FEET FROM AIR INTAKE OR VENT SHAFT, OR AT LEAST THREE (3) FEET ABOVE ANY WINDOW AND DOOR.
- R. TRAP PRIMERS: PROVIDE AND INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS. PROVIDE AND INSTALL TRAP PRIMERS FOR ALL FLOOR SINKS NOT RECEIVING CONTINUOUS DISCHARGE OF WASTE WATER. PROVIDE AND INSTALL TRAP PRIMERS IN ACCESSIBLE LOCATIONS WITH ACCESS PANELS IF REQUIRED.

- S. WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED IN A THOROUGH & WORKMANLIKE MANNER SATISFACTORY TO AND MEETING THE APPROVAL OF THE ENGINEER AND ARCHITECT.

- T. GUARANTEE: CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR & MATERIAL ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP & MATERIALS FOR A PERIOD OF ONE YEAR.

- U. CUTTING AND PATCHING: ALL CUTTING & PATCHING OF THE EXISTING STRUCTURE SHALL BE PROVIDED. PROVIDE ALL NECESSARY REQUIREMENTS TO THE PROJECT MANAGER. PROTECTION AGAINST DUST AND DEBRIS SHALL BE TO THE SATISFACTION OF THE PROJECT MANAGER.

- V. FIRE SPRINKLER SYSTEM TO BE DESIGNED BY FIRE SPRINKLER CONTRACTOR. ALL EQUIPMENT, COMPONENTS & PIPE RUNS SHOWN FOR REFERENCE ONLY.

- W. ALL HOSE BIBS SHALL BE EQUIPPED WITH AN APPROVED NON REMOVABLE VACUUM BREAKER.

- X. RUN A FULL SIZE DRAIN LINE FROM WATER HEATERS TEMPERATURE AND PRESSURE RELIEF VALVE TO NEAREST FLOOR SINK OR TO AN APPROVED LOCATION.

- Y. PROVIDE ACCESS DOORS TO ALL CONCEALED VALVES, STRAINERS, TRAP PRIMERS, ETC. PROVIDE STAINLESS STEEL ACCESS PANELS & FRAMES FOR ALL TILED AREAS.

COORDINATION:

- A. PLUMBING CONTRACTOR TO COORDINATE W/ GENERAL CONTRACTOR AND ARCH PLANS TO ENSURE NECESSARY BACKING/SUPPORTS ARE INSTALLED TO ALLOW INSTALLATION OF PLUMBING FIXTURES.
- B. PIPING SHOULD BE COORDINATED WITH ALL STRUCTURAL FOOTINGS AND FOUNDATIONS. PIPE SHOULD BE OFFSET TO AVOID CONTACT WITH FOOTINGS AND FOUNDATION WALLS. IF PIPING MUST RUN UNDERNEATH A FOOTING OR THROUGH A FOUNDATION WALL, THE PIPE MUST BE INSTALLED WITH A RELIEVING ARCH OR IN A PIPE SLEEVE.
- C. THE LOCATION OF EXISTING UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED.

PLUMBING NOTES:

- A. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMISSION OF BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS.
- B. ALL HOT AND COLD WATER SUPPLY PIPING SHALL BE INSULATED.
- C. PROVIDE AND INSTALL CLEAN-OUTS IN DRAINAGE PIPING AT EACH CHANGE IN DIRECTION OF PIPING GREATER THAN 45 DEGREES, EVERY 50 FEET, AND AS SHOWN.
- D. EXPOSED UTILITY SERVICE LINES AND PIPES SHALL BE INSTALLED SO THAT THEY DO NOT OBSTRUCT OR PREVENT CLEANING OF THE FLOORS, WALLS, OR CEILINGS. EXPOSED HORIZONTAL UTILITY SERVICE LINES AND PIPES SHALL NOT BE INSTALLED ON THE FLOOR.
- E. CONTRACTOR TO VERIFY SIZE AND LOCATION OF SANITARY, AND COLD/HOT WATER PIPES PRIOR TO STARTING WORK.
- F. EXISTING UTILITIES AND EQUIPMENT NOT SHOWN OR NOT SHOWN TO BE REPLACED SHALL REMAIN IN SERVICE DURING CONSTRUCTION.
- G. CONTRACTOR SHALL REMOVE AND DISPOSE ALL PLUMBING MATERIAL, FIXTURES AND EQUIPMENT FROM TENANT SPACE AS SHOWN ON DRAWING. COORDINATE DEMOLITION WITH NEW CONSTRUCTION PLAN.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND INSTALLING SLEEVES, INSERTS AND SUPPORTS AS REQUIRED FOR THIS SCOPE OF WORK AND/OR CORE DRILL REQUIREMENTS. COORDINATE WITH GENERAL CONTRACTOR AND STRUCTURAL ENGINEER AS REQUIRED.
- I. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND INVERT ELEVATIONS OF ALL EXISTING UTILITIES AT THE SITE PRIOR THE INSTALLATION OF ANY PIPING SYSTEMS.
- J. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE PURGED OF DELETERIOUS MATTER AND DISINFECTED PRIOR TO UTILIZATION. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY OR WATER PURVEYOR HAVING JURISDICTION OR, IN THE ABSENCE OF A PRESCRIBED METHOD, THE PROCEDURE DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN 2017 DPC SECTION 610. THIS REQUIREMENT SHALL APPLY TO "ON-SITE" OR "IN-PLANT" FABRICATION OF A SYSTEM OR TO A MODULAR PORTION OF A SYSTEM.

PLUMBING SYMBOLS LIST:

- G — SANITARY PIPE
- G — GAS PIPE
- VENT PIPE
- DOMESTIC COLD WATER PIPE
- DOMESTIC HOT WATER PIPE
- HOT WATER RETURN PIPE
- GW — GREASE WASTE PIPE
- CHECK VALVE
- GAS PRESSURE REGULATOR
- PRESSURE REDUCING VALVE
- CLEAN OUT
- PIPE UP, PIPE DOWN
- SHUT-OFF GATE VALVE, VALVE IN VERTICAL
- PIPE UNION
- FLOOR DRAIN
- FLOOR SINK
- CONNECTION TO EXISTING
- DISCONNECT FROM EXISTING
- BACKWATER VALVE
- SOLENOID VALVE

PLUMBING ABBREVIATIONS:

- |     |                       |      |                     |
|-----|-----------------------|------|---------------------|
| CO  | CLEANOUT              | IE   | INVERT ELEVATION    |
| CW  | COLD WATER            | HW   | HOT WATER           |
| DN  | DOWN                  | GE   | GENERAL CONTRACTOR  |
| FD  | FLOOR DRAIN           | PC   | PLUMBING CONTRACTOR |
| GAL | GALLONS               | IN   | INCHES              |
| GPH | GALLONS PER HOUR      | FT   | FEET                |
| GPM | GALLONS PER MINUTE    | MH   | MANHOLE             |
| HB  | HOSE BIB              | MTD  | MOUNTED             |
| HW  | HOT WATER             | MTG  | MOUNTING            |
| LAV | LAVATORY              | NA   | NOT APPLICABLE      |
| PSI | POUND PER SQUARE INCH | NTS  | NOT TO SCALE        |
| OSD | OPEN SITE DRAIN       | PD   | PRESSURE DROP       |
| SAN | SANITARY              | SA   | SHOCK ABSORBER      |
| TYP | TYPICAL               | SQFT | SQUARE FEET         |
| V   | VENT                  | STD  | STANDARD            |
| VTR | VENT THRU ROOF        | STM  | STORM               |
| WC  | WATER CLOSET          | BFP  | BACK FLOW PREVENTER |

WASHINGTON DC CODES:

- BUILDING: 2015 IBC AND 2017 DCMAR12A SUPPLEMENT 2015 IEBC
- COVERING CODES: 2017 DISTRICT OF COLUMBIA BUILDING CODE
- MECHANICAL: 2017 DISTRICT OF COLUMBIA MECHANICAL CODE
- ELECTRICAL: 2014 INTERNATIONAL NFPA-70
- PLUMBING: 2017 DISTRICT OF COLUMBIA PLUMBING CODE
- FIRE: 2017 DISTRICT OF COLUMBIA FIRE CODE
- GREEN: 2017 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE
- ENERGY: 2017 DISTRICT OF COLUMBIA ENERGY CONSTRUCTION CODE

SHEET INDEX:

- P100 COVER SHEET
- P200 DETAILS
- P300 SANITARY FLOOR PLANS
- P400 DOMESTIC WATER FLOOR PLANS
- P500 RISER DIAGRAMS

PLUMBING FIXTURE CONNECTION SCHEDULE :

MARK	FIXTURE	CONNECTIONS							REMARKS
		CW	HW	WASTE		VENT	MAX. FLOW RATE	MBH	
				DW	IDW				
K04	MOP SINK	1/2"	1/2"	1-1/2"	—	1-1/2"	—	—	JOHN BOOS, MODEL: EMS-2016-6.
K013	HAND SINK	1/2"	1/2"	1-1/2"	—	1-1/2"	—	—	JOHN BOOS, MODEL: PBHS0909-SSLP.
K024	3 COMPARTMENT SINK	1/2"	1/2"	—	1-1/2"	1-1/2"	—	—	ADVANCE TABCO, MODEL: 94-3-57-18RL.
K025	VEGETABLE SINK	1/2"	1/2"	1-1/2"	—	1-1/2"	—	—	JOHN BOOS, MODEL: 1B-1DB B SERIES.

- NOTE:
- COORDINATE WITH ARCH./OWNER PRIOR TO PURCHASE.
  - SET TEMPERING VALVE AT 105° F. VALVES SHALL MEET ASSE 1070.
  - WATER CLOSET SHALL BE TANK TYPE WITH HINGED OPEN FRONT SEAT, SIZED FOR BOWL TYPE.
  - PROVIDE CARRIER AND FITTINGS AS RECOMMENDED BY MANUFACTURER.
  - COMPLY WITH ANSI A17.1 FOR ACCESSIBLE FIXTURE'S MOUNTING HEIGHTS.

EXISTING WATER HEATER SCHEDULE - (EWH)

MARK	AREA SERVED	RECOVERY AT 100°F			CAPACITY (GALLONS)	ELECTRIC DATA		REMARKS
		GPH	EWI	LWT		VOLT/PH/Hz	KW	
EWH (E)	SEE PLAN	-	40	120	85	208/03/60	36 KW	REEM, MODEL: 6E744A.

PLUMBING EQUIPMENT SCHEDULE:

EQUIPMENT	DESCRIPTIONS
(GI), GREASE INTERCEPTOR	ZURN, MODEL: GT2700-35 GREASE INTERCEPTOR, 35 GPM FLOW RATE AND 70 LBS GREASE CAPACITY. DIMENSIONS 18" x 29 x 23".

GREASE TRAP CALCULATIONS(GI)

COMPARTMENT	TAIL	GPM	%	GPM
1	3/4"	12	100	12
2	3/4"	12	100	12
3	3/4"	12	50	6
TOTAL				30
GREASE INTERCEPTOR CAPACITY SHALL BE BIGGER THAN THE FLOW RATE. THEREFORE, SPECIFIED 35 GPM - 50 LBS GREASE INTERCEPTOR IS ADEQUATE.				



FLAVOR HIVE

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P100

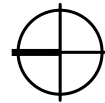
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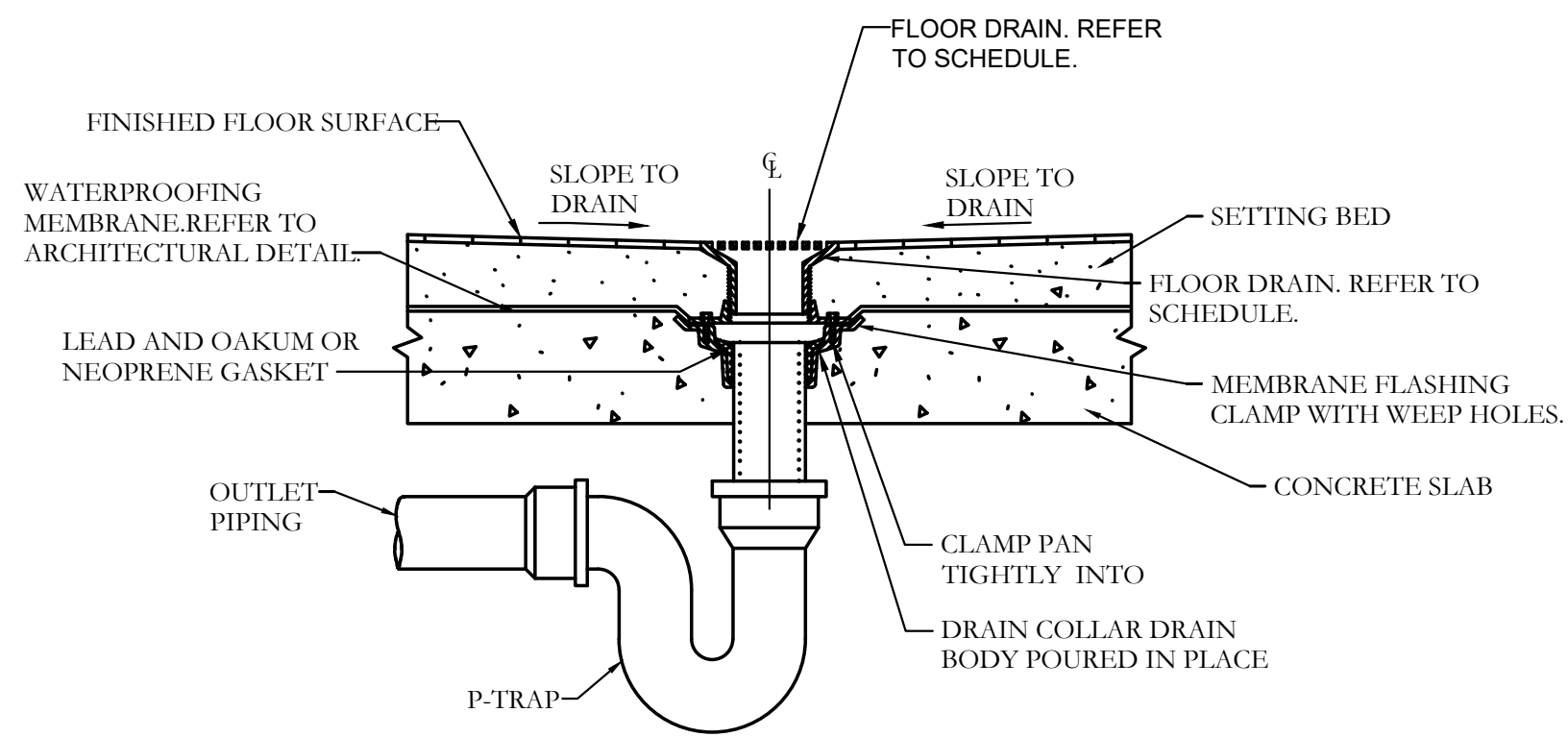


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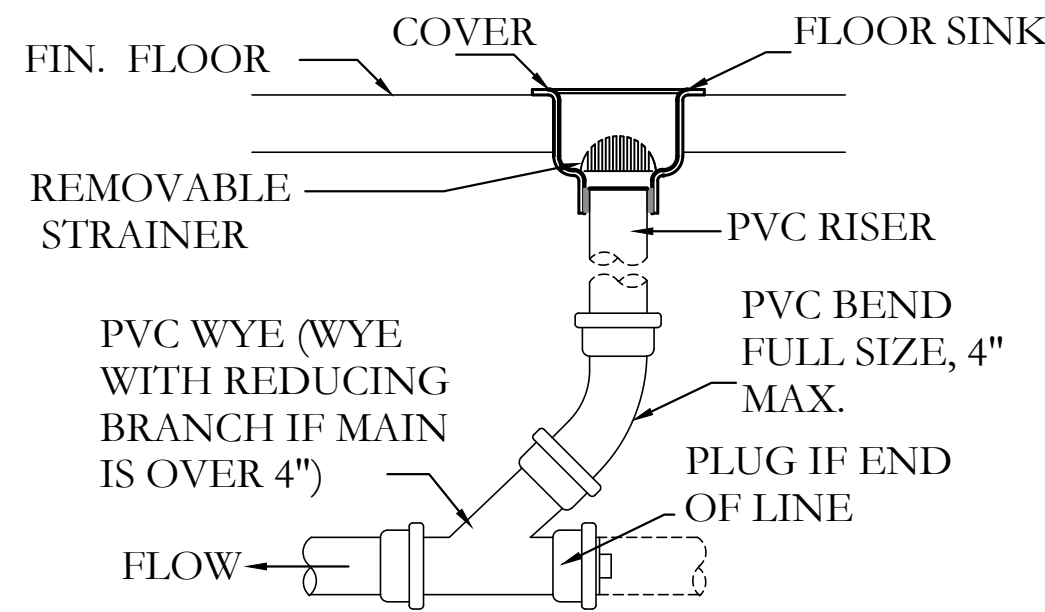
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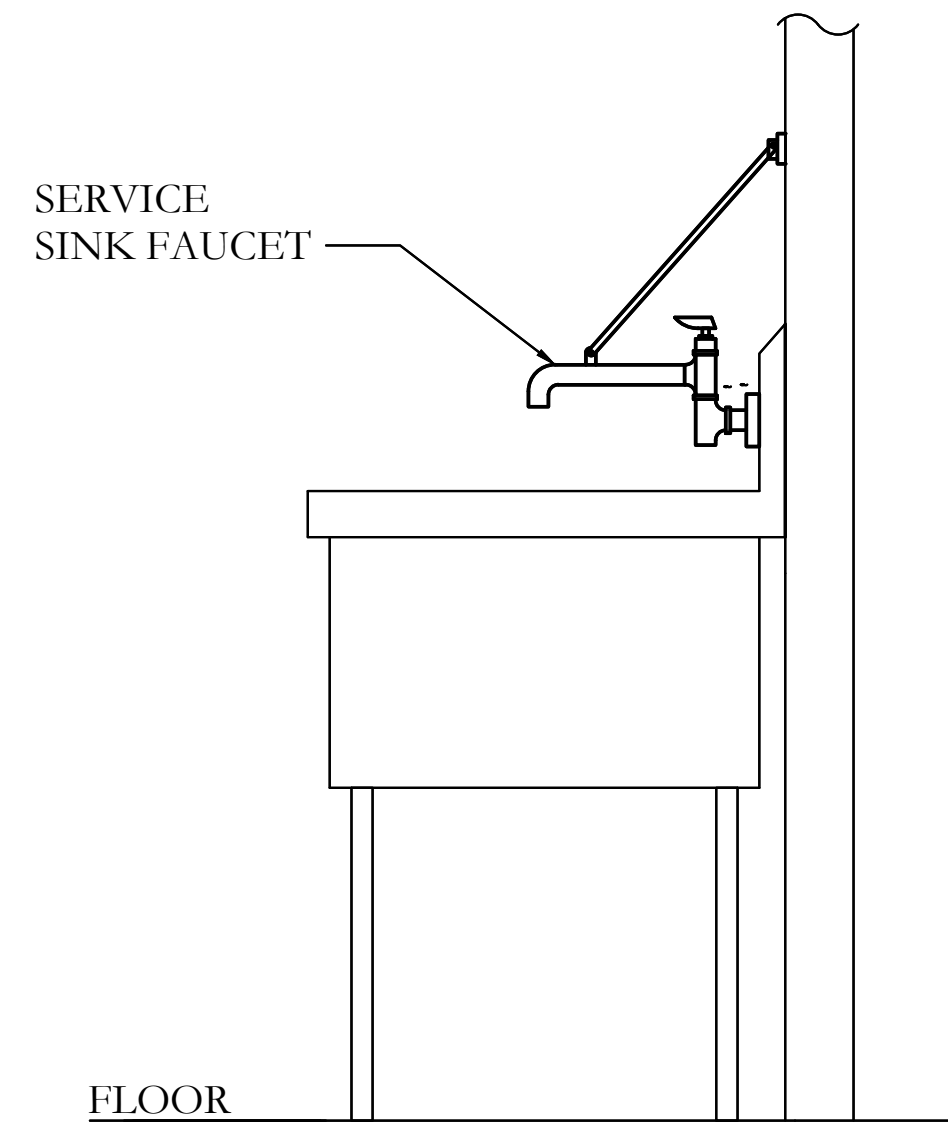




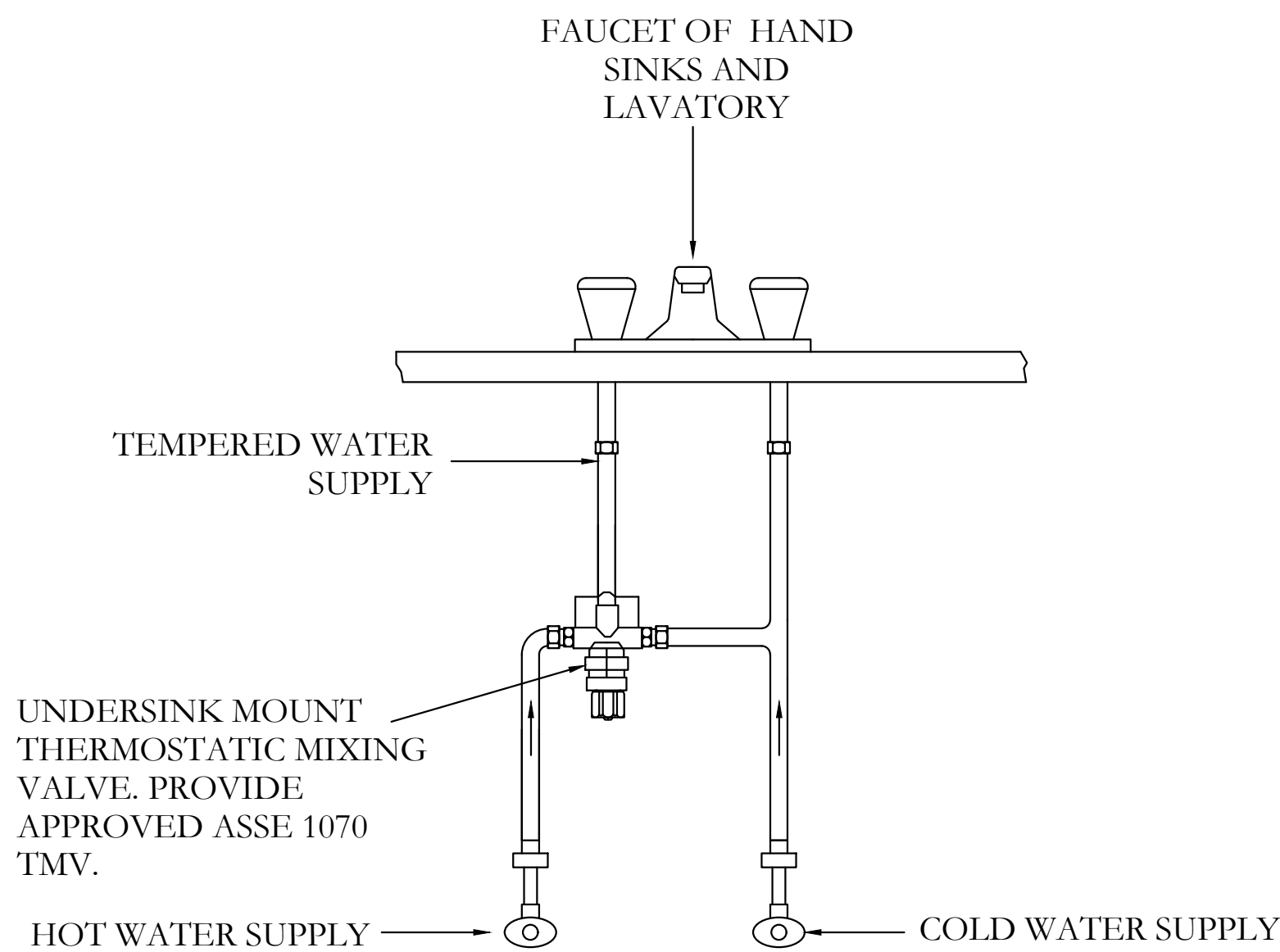
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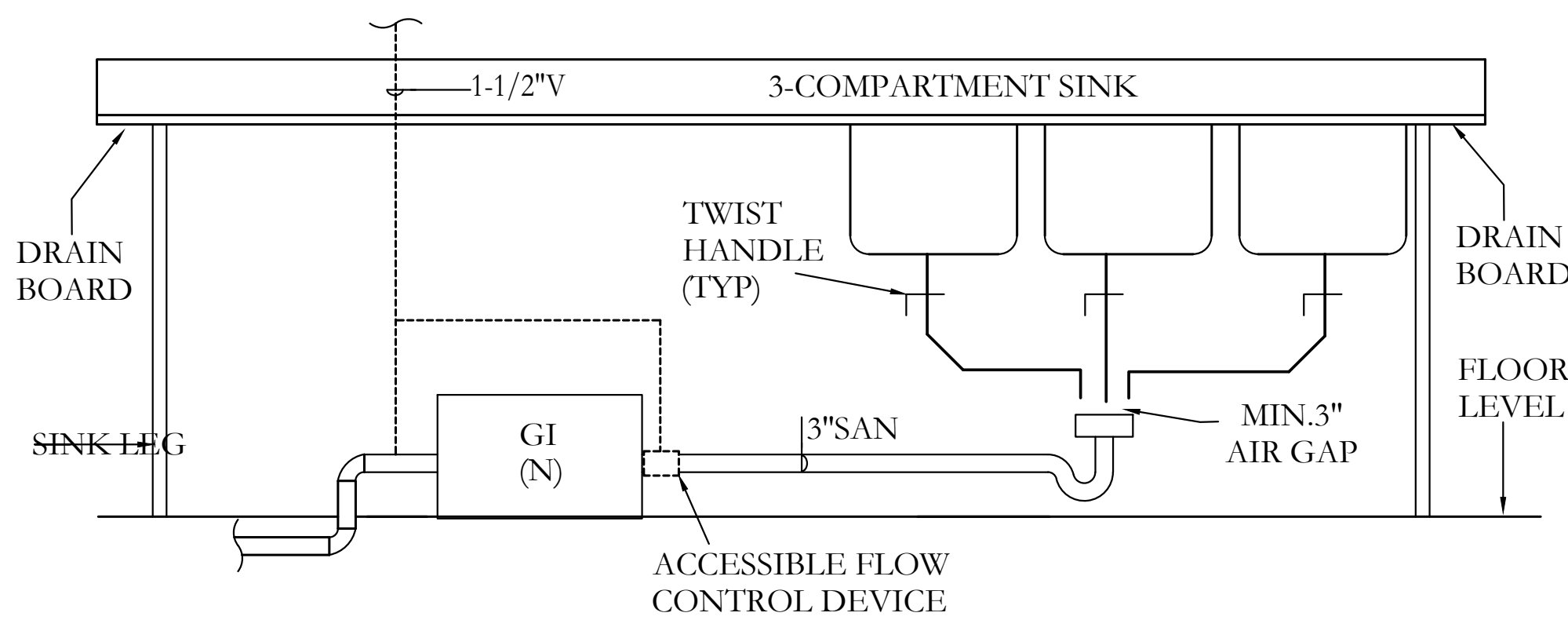
**2 FLOOR SINK**  
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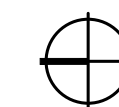
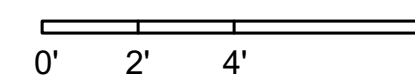
**3 MOP SINK DETAIL**  
N.T.S.



**4 UNDERSINK MOUNT THERMOSTATIC**  
N.T.S.



**5 3 COMPARTMENT SINK DETAIL**  
N.T.S.



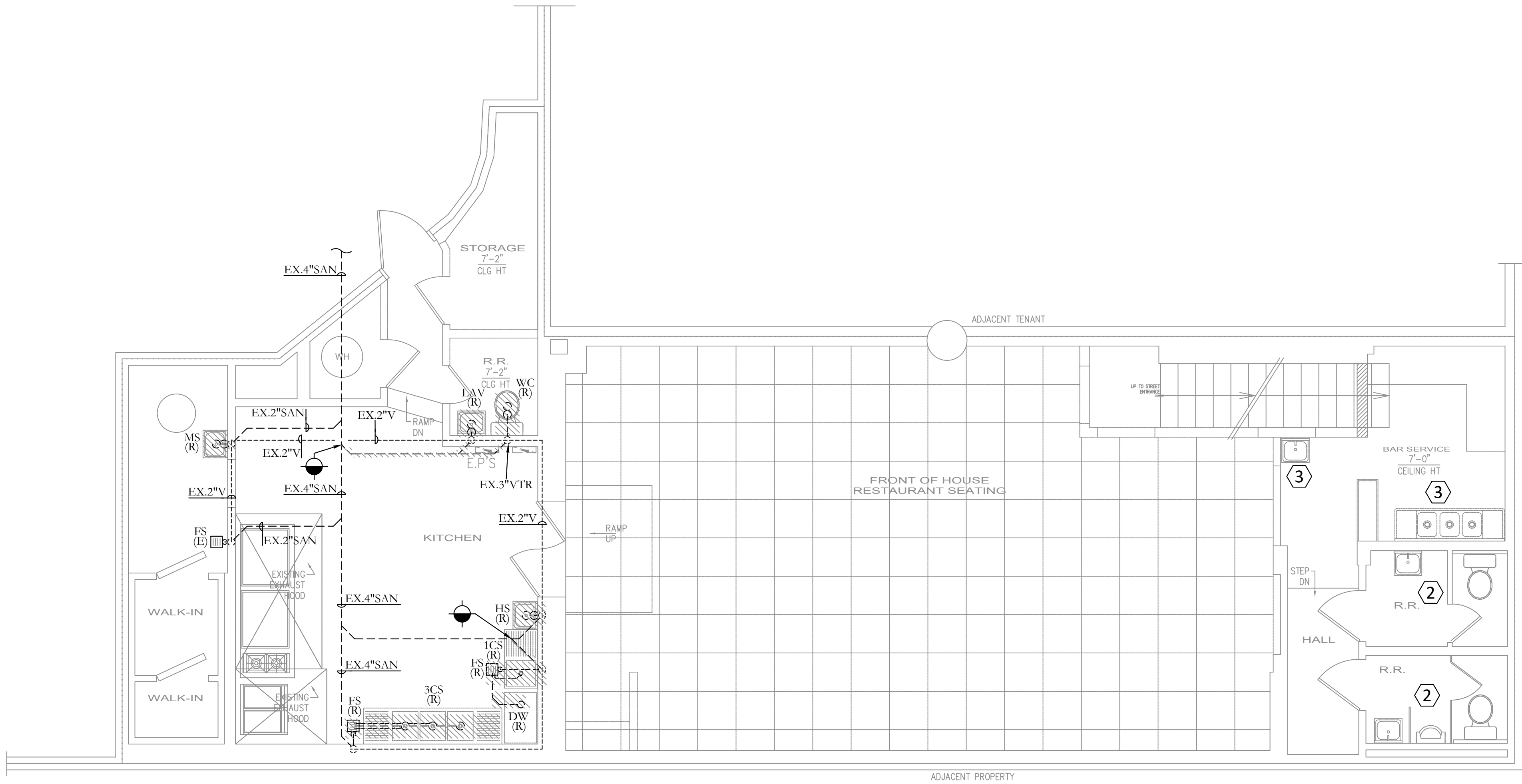
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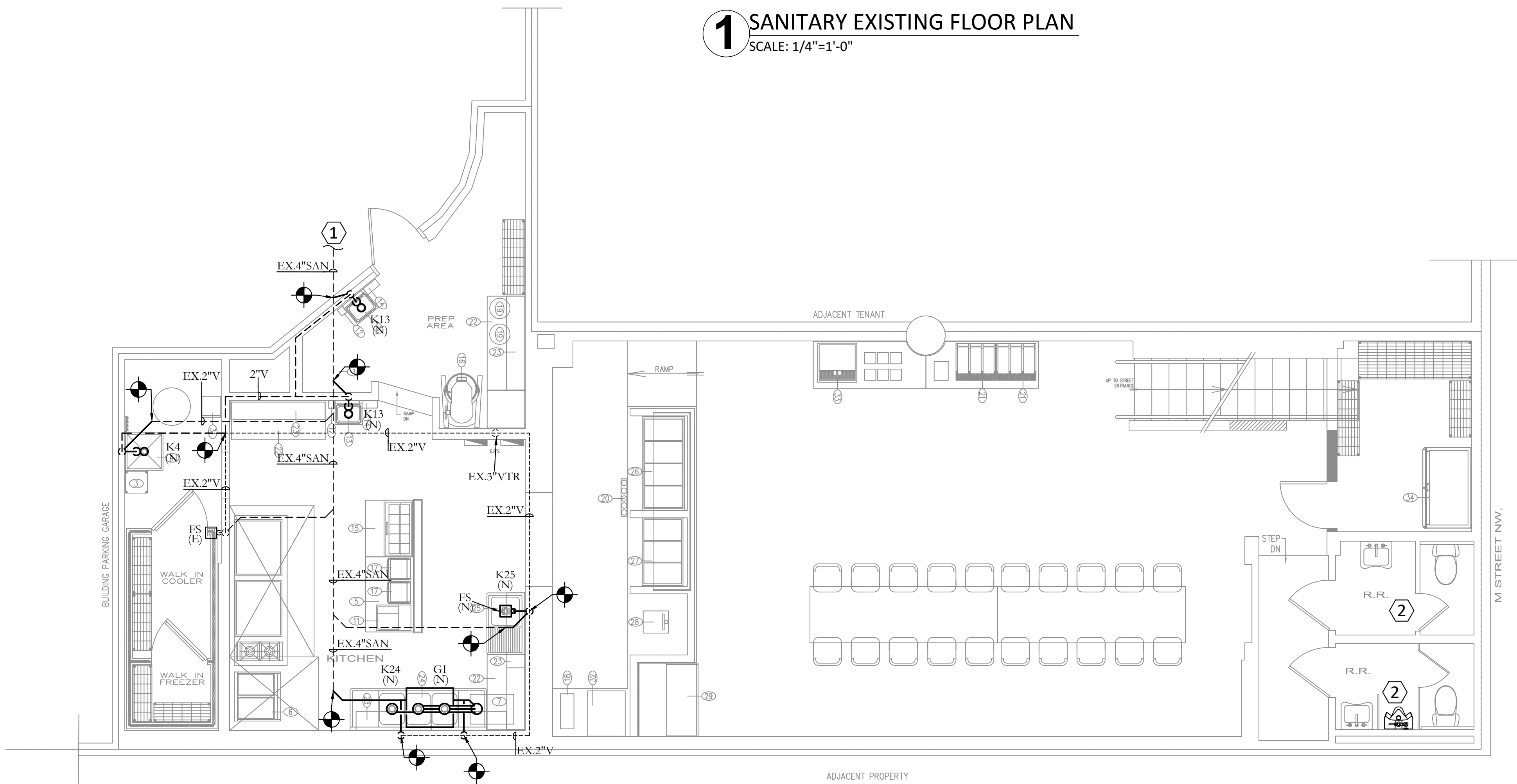
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**P200**

**DETAILS**



**1** SANITARY EXISTING FLOOR PLAN  
SCALE: 1/4"=1'-0"



**2** SANITARY NEW FLOOR PLAN  
SCALE: 1/4"=1'-0"

**PLUMBING NUMBERED NOTE:**

- 1 CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION OF THE PIPING IN THE FIELD PRIOR COMMENCING WORK.
- 2 EXISTING BATHROOM TO REMAIN.
- 3 REMOVE EXISTING SINK ALONG WITH ASSOCIATED PIPING.

**PLUMBING GENERAL SHEET NOTES:**

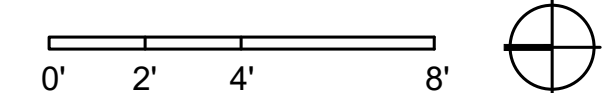
- A. THESE PLANS ARE BASED ON INFORMATION PROVIDED BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE.
- B. CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.



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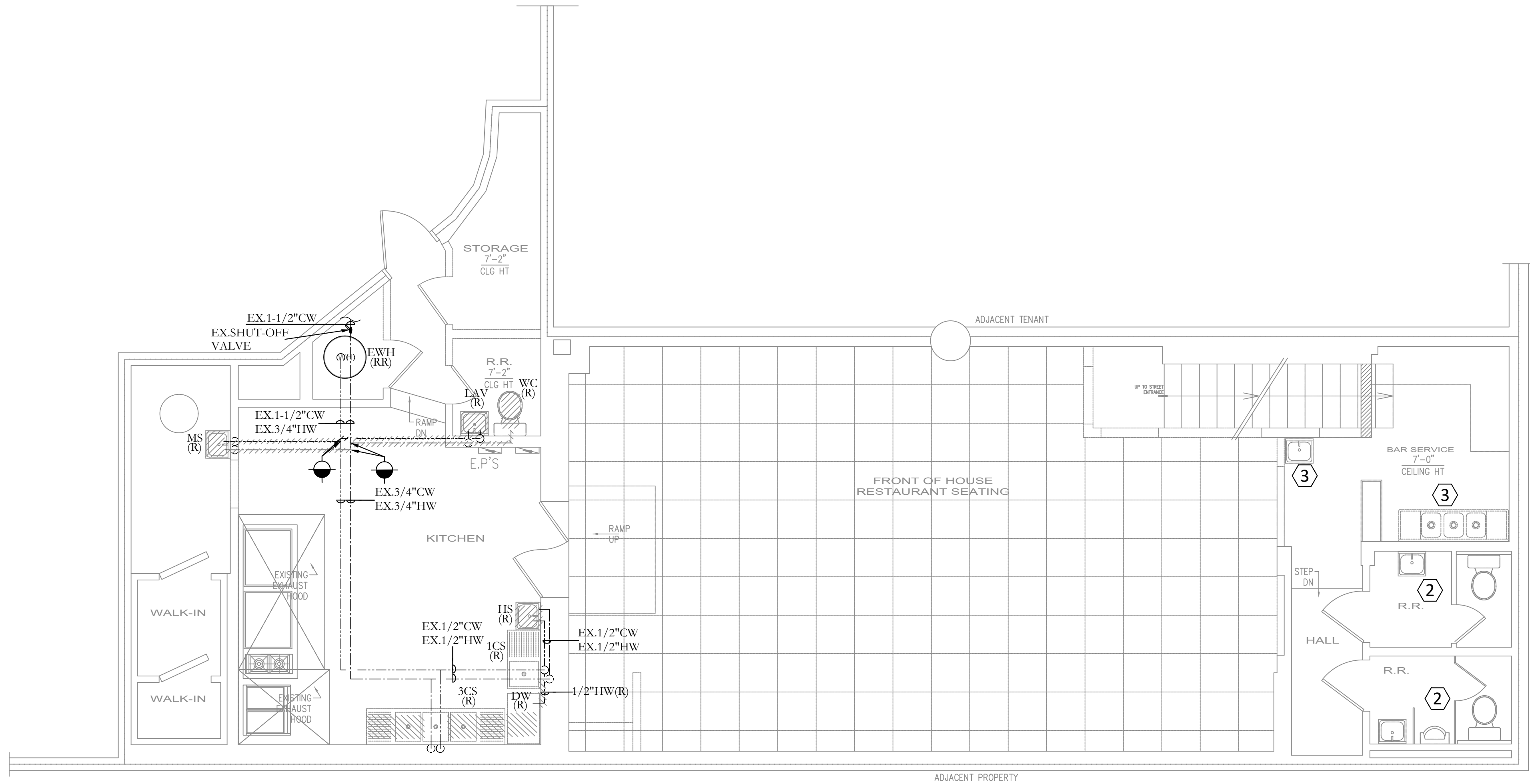
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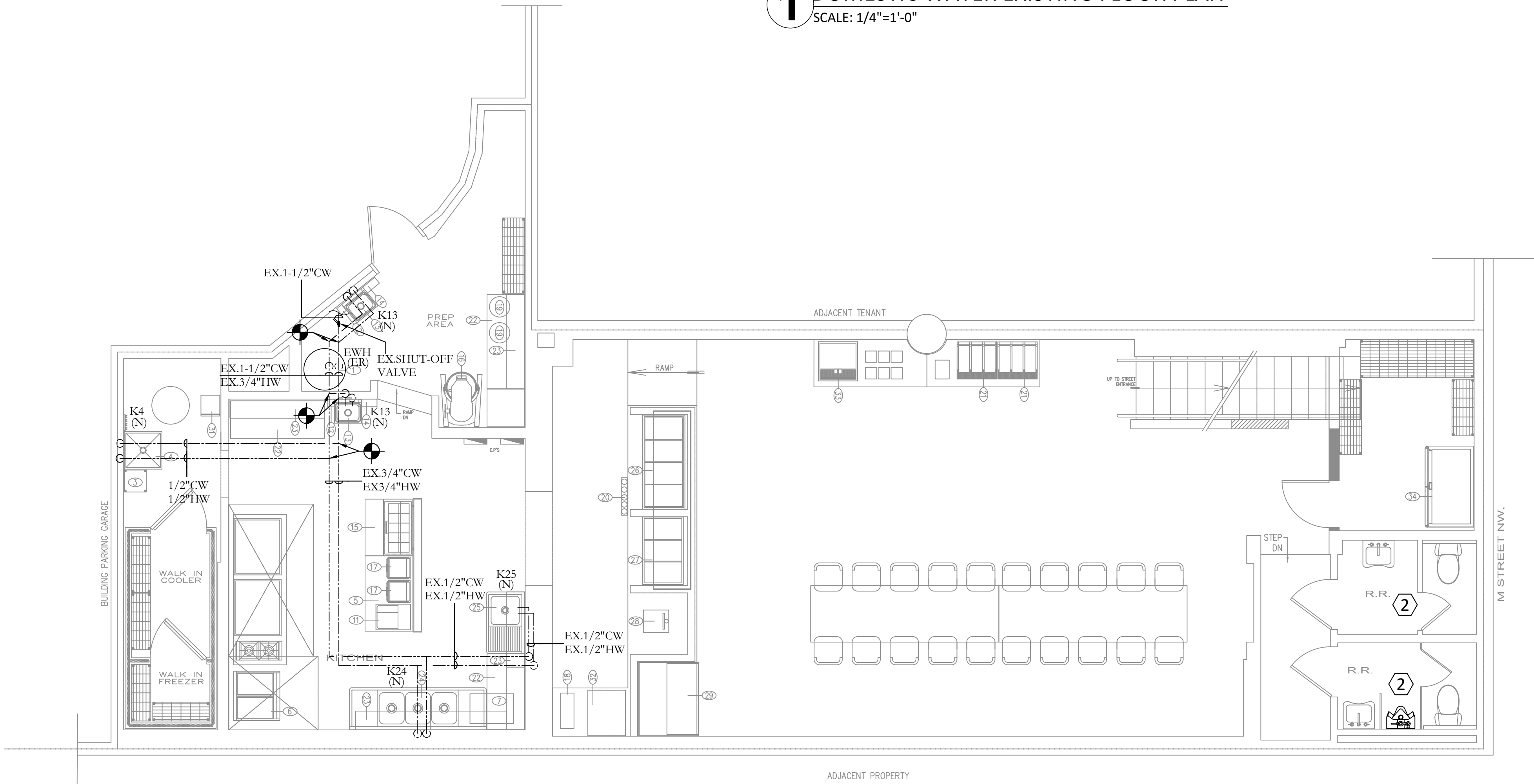


**P300**

**SANITARY FLOOR PLANS**



**1 DOMESTIC WATER EXISTING FLOOR PLAN**  
SCALE: 1/4"=1'-0"



**2 DOMESTIC WATER NEW FLOOR PLAN**  
SCALE: 1/4"=1'-0"

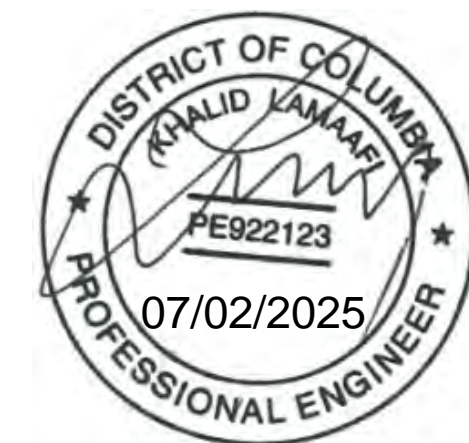
**PLUMBING NUMBERED NOTE:**

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- 3 REMOVE EXISTING SINK ALONG WITH ASSOCIATED PIPING.

**PLUMBING GENERAL SHEET NOTES:**

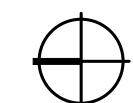
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- B. CONTRACTOR SHALL THOROUGHLY EXAMINE PREMISES AND OBSERVE ALL CONDITIONS AND CIRCUMSTANCES UNDER WHICH THE WORK SHALL BE PERFORMED. NO ALLOWANCES WILL BE MADE FOR ERRORS OR NEGLIGENCE IN THIS RESPECT.

(N) = NEW  
(R) = REMOVE  
(E) = EXISTING  
(ER)= EXISTING RELOCATE  
(RR)= REMOVE AND RELOCATE



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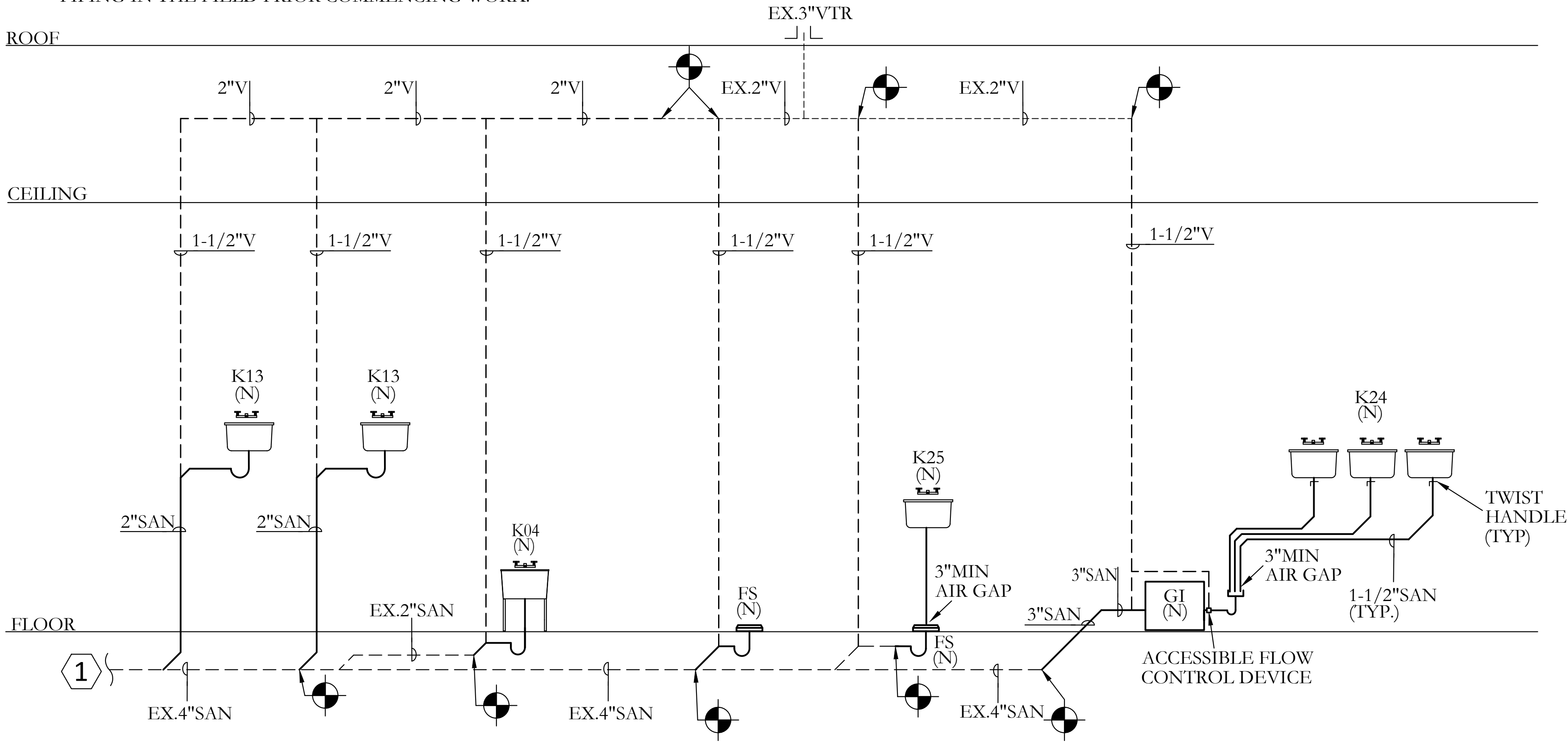
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**DOMESTIC WATER FLOOR PLANS**

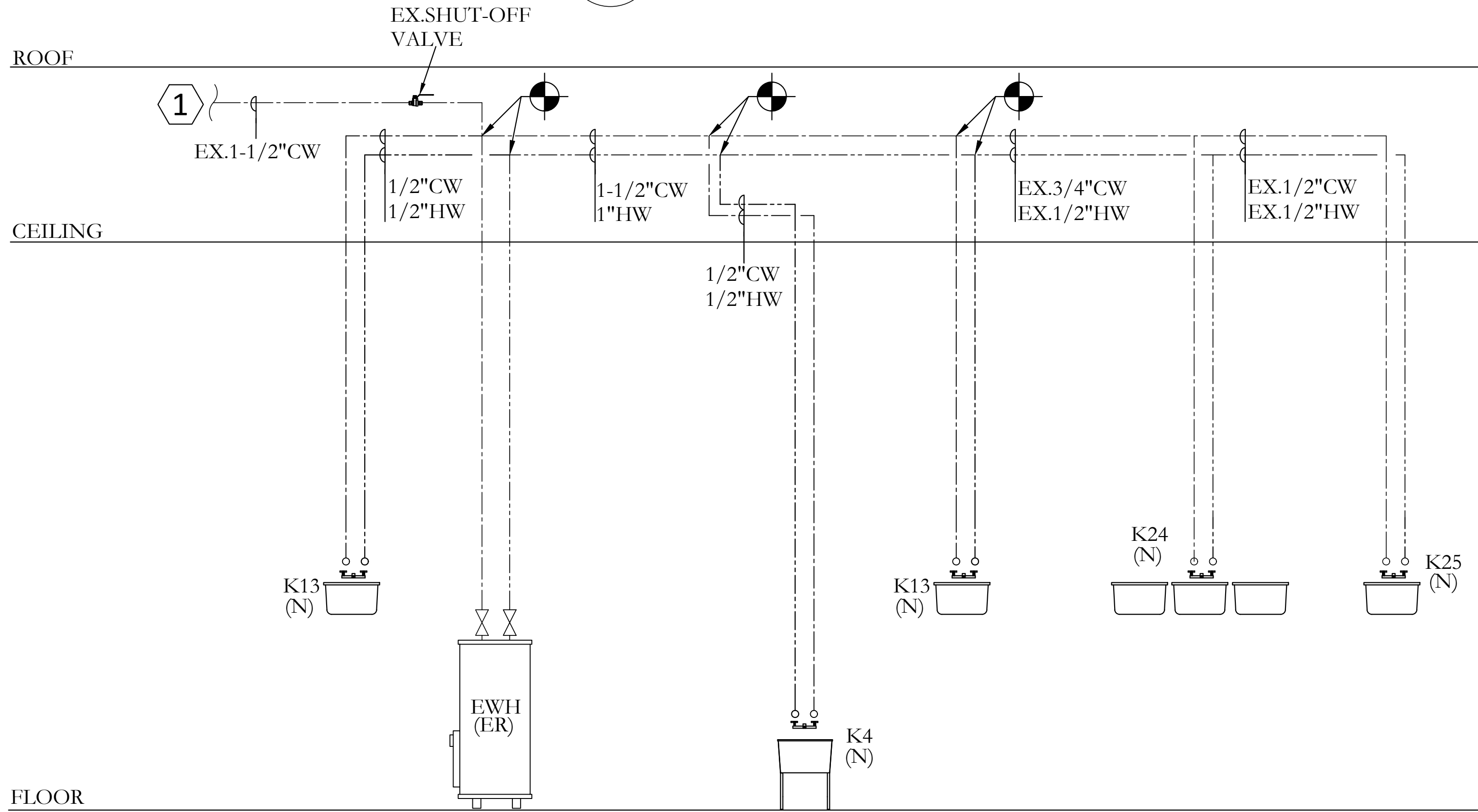
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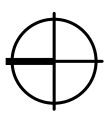
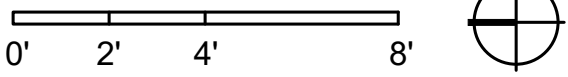
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(E) = EXISTING  
(ER)= EXISTING RELOCATE  
(RR)= REMOVE AND RELOCATE



1 SANITARY RISER DIAGRAM  
N.T.S.



2 DOMESTIC WATER RISER DIAGRAM  
N.T.S.



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RISER DIAGRAMS