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DRAWING INDEX	
DRAWING	DRAWING NAME
A000	COVER
A100	FLOOR PLAN - LEVEL B, 1, 2, 3
A301	ELEVATIONS / SCHEDULES
P100	COVER SHEET
E200	AS-BUILT BASEMENT LIGHTING PLAN
E300	AS-BUILT BASEMENT FLOOR POWER PLAN
E400	SCHEDULES AND RISER DIAGRAM
M100	COVER SHEET AND BASEMENT FLOOR PLAN
M200	BASEMENT FLOOR PLAN, SCHEDULES AND DETAILS
M300	DETAILS
P100	COVER SHEET
P200	SANITARY AND STORM FLOOR PLANS
P300	DOMESTIC WATER FLOOR PLANS
P400	RISER DIAGRAMS
Grand total: 14	

CERTIFICATE OF OCCUPANCY for CONDO UNIT IN THE BASEMENT

PROJECT ADDRESS : 1332 HARVARD ST NW, WASHINGTON, DC 20009
PROPOSED PRIMARY USE : 4 UNIT CONDO
USE GROUP : R-2
ZONING : RF1

- PROJECT SCOPE
- AS BUILT DRAWING TO OBTAIN CERTIFICATE OF OCCUPANCY PERMIT FOR THE BASEMENT UNIT
 - CERTIFICATE OF OCCUPANCY APPLICATION NO. CO2202483

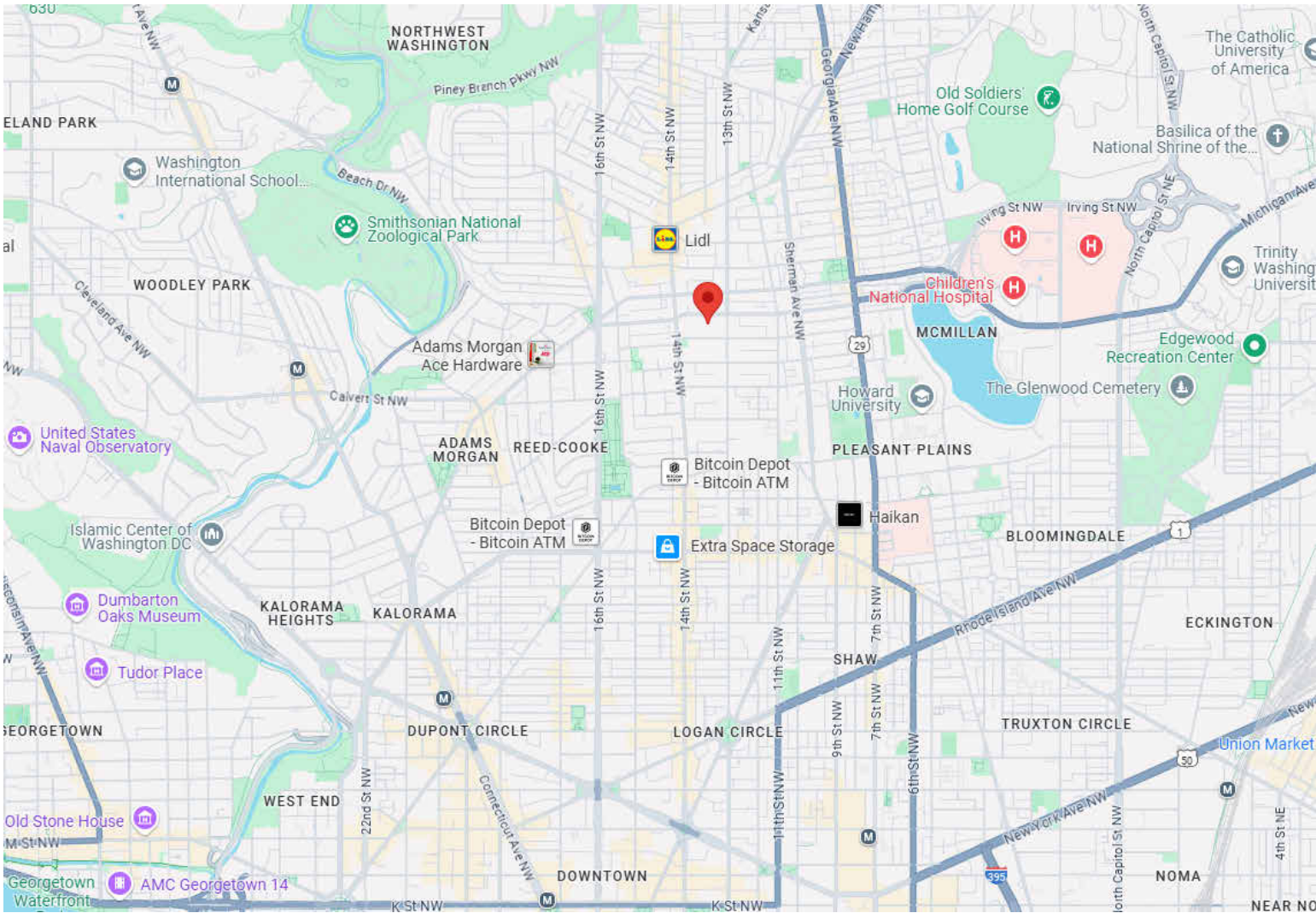
- EXISTING CONDITION
- BASEMENT (1, 238SF) : 2 BEDS, 2 1/2 BATH
 - LEVEL 1 (1, 238SF) : 2 BEDS, 2 1/2 BATH
 - LEVEL 2 (1, 238SF) : 2 BEDS, 2 1/2 BATH
 - LEVEL 3 (1, 238SF) : 2 BEDS, 2 1/2 BATH
 - SPRINKLER INSTALLED, FIRE CONTROL PANEL INSTALLED

- BUILDING CONSTRUCTION TYPE (TABLE 601) - VB
- PRIMARY STRUCTURAL FRAME SHALL BE 0 HOUR RATED.
 - EXTERIOR / INTERIOR BEARING WALL SHALL BE 0 HOUR RATED.
 - FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS SHALL BE 0 HOUR RATED
 - THE FIRE SEPARATION BETWEEN NEIGHBOR SHALL BE 1 HOUR RATED.
 - 2 HOUR PARTY WALL BETWEEN NEIGHBOR

- APPLICABLE CODES: DOB
- 2017 DISTRICT OF COLUMBIA BUILDING CODE
 - 2017 DISTRICT OF COLUMBIA PROPERTY MAINTENANCE CODE
 - 2017 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE
 - 2017 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE
 - 2017 DISTRICT OF COLUMBIA FIRE CODE
 - 2017 DISTRICT OF COLUMBIA MECHANICAL CODE
 - 2017 DISTRICT OF COLUMBIA PLUMBING
 - 2015 ICC CODES AND 2014 NATIONAL ELECTRICAL CODE



VICINITY MAP



Zoning Report for 1332 HARVARD ST NW



Zoning Data Summary

Premises Address 1332 HARVARD ST NW	Council Member
Square/Suffix/Lot 2855 0817	ANC 1A
Zoning District RF-1	ANC Chairperson Dieter Lehmann Morales
PUDs	SMD 1A09
Ward Ward 1	Commissioner James A. Turner

* For a detailed explanation of zoning related terms, please refer to the DC Zoning Map glossary.
** To the extent an active PUD exists on a particular site, the PUD zoning depicts the zoning in effect for that site.

While DCOZ is committed to providing accurate and timely zoning information via the zoning map, DCOZ cannot guarantee the quality, content, accuracy, or completeness of the information, text, graphics, links, and other items contained therein. No data visualizations on the zoning map should be considered authoritative. Information provided in the zoning map should not be used as a substitute for legal accounting, real estate, business, tax, or other professional advice. DCOZ assumes no liability for any errors, omissions, or inaccuracies in the information provided regardless of the cause or such or for any upon any decision made, action taken, or action not taken by the user in reliance upon any maps or information provided herein. DCOZ retains the right to change any content on its zoning map without prior notice.

www.dcoz.dc.gov Page 1 Wednesday, October 30, 2025 12:34 PM

A&I Design

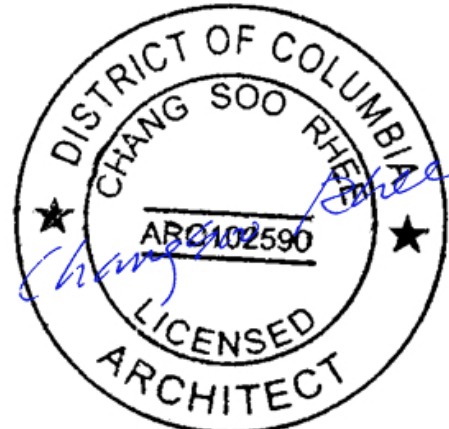
Architecture & Interiors planning
7373 McWhirter Pl.
Annandale, VA 22003
WWW.AIdesignDC.com
703-507-3146

AS BUILT SET



3 Story Town Home

1332 Harvard St NW,
Washington, DC 20009



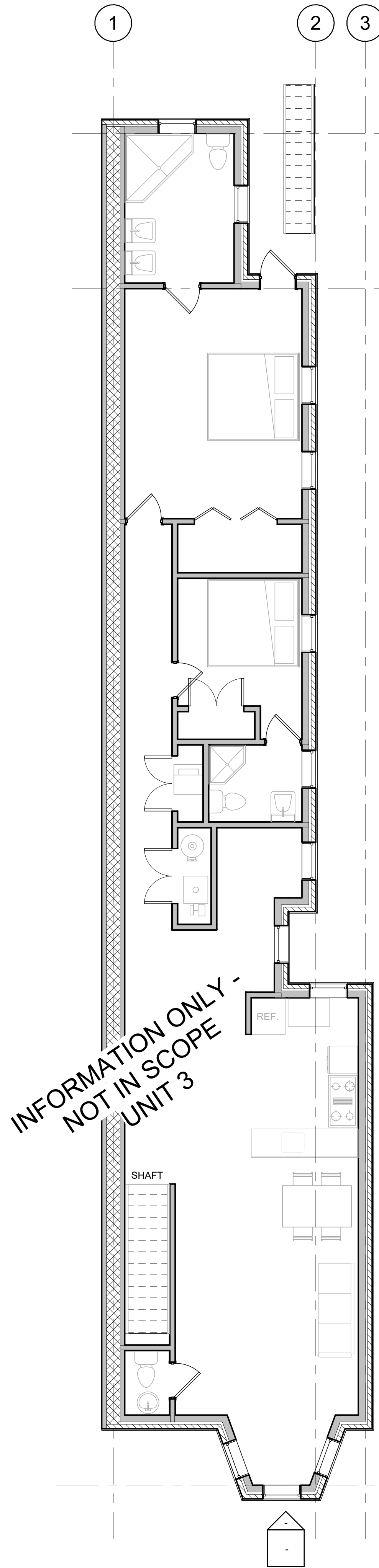
0205 2025

No.	Description	Date
1	COUNTY	0106 2025

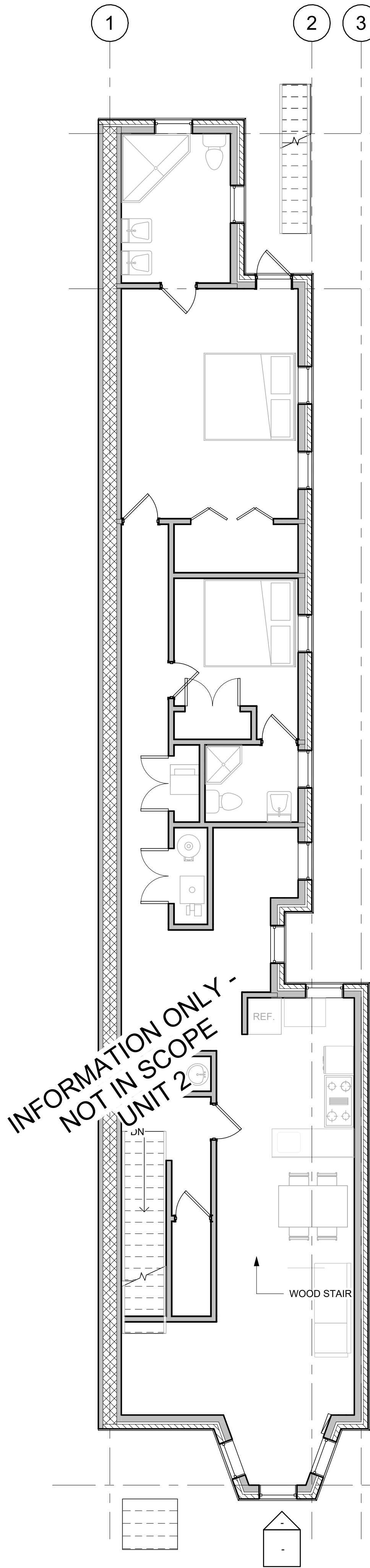
COVER

Project number	
Date	
Drawn by	Author
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A000	
Scale	

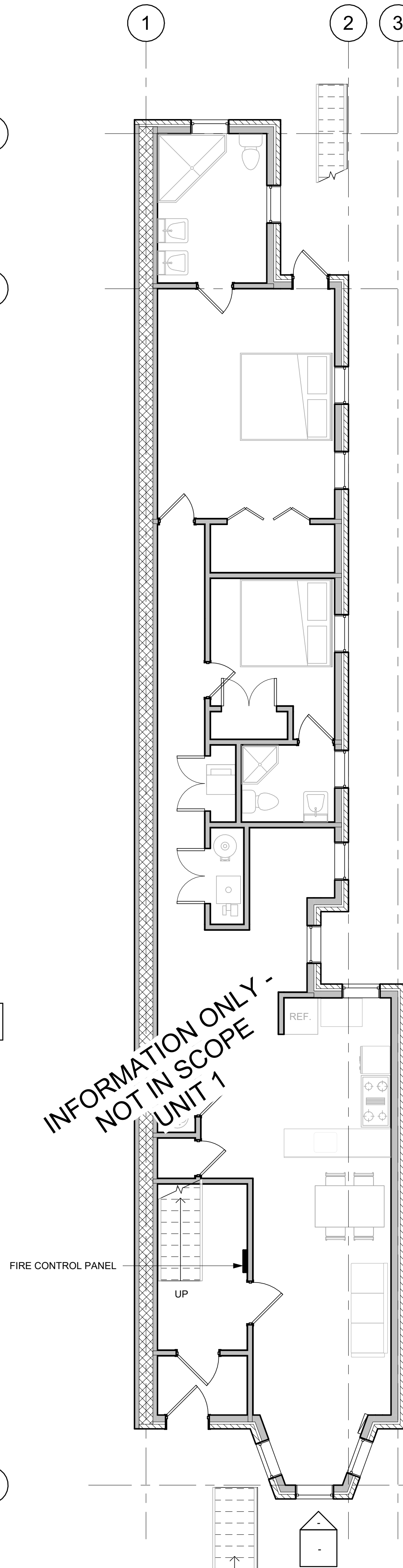
FLOOR PLAN GENERAL NOTES
1. ALL INTERIOR PARTITION SHALL BE 0A UNO.



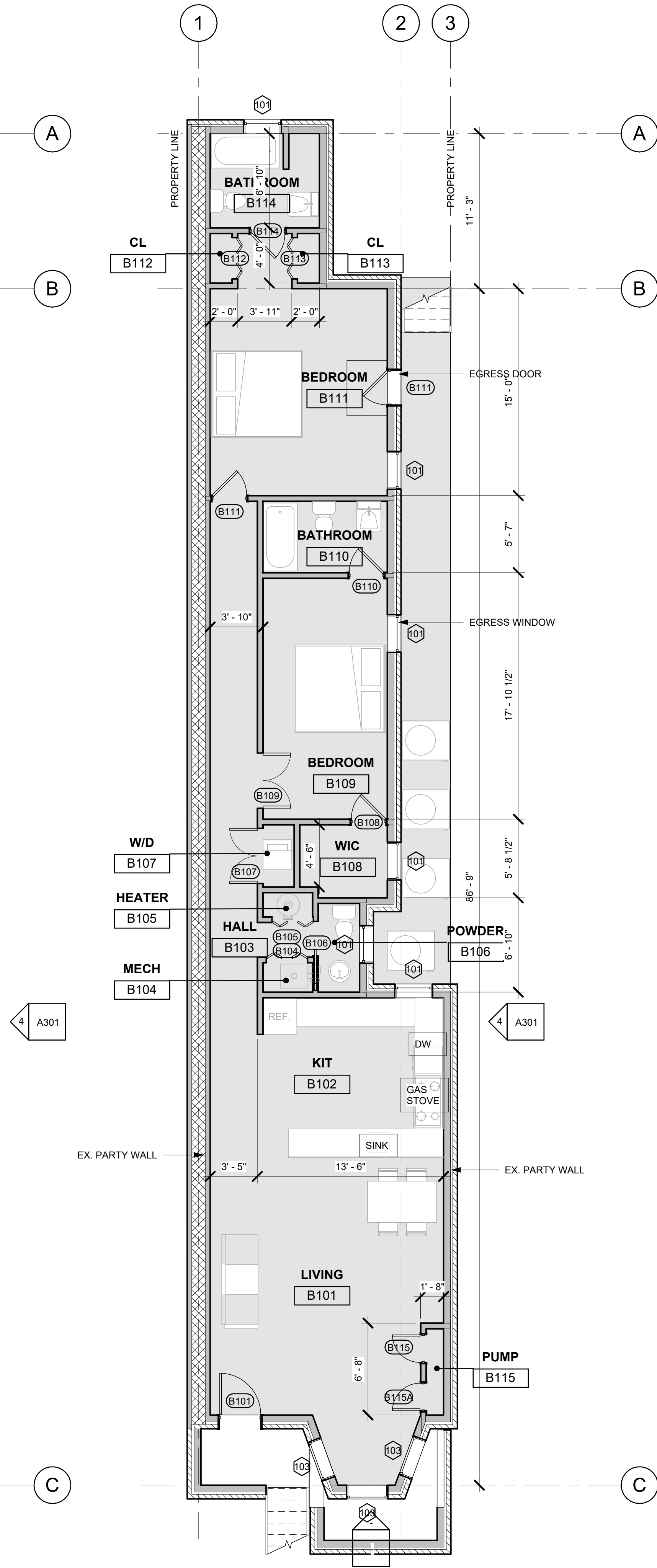
④ FLOOR PLAN - LEVEL 3
3/16" = 1'-0"



③ FLOOR PLAN - LEVEL 2
3/16" = 1'-0"



② FLOOR PLAN - LEVEL 1
3/16" = 1'-0"

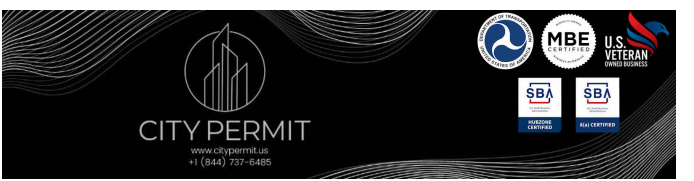


① FLOOR PLAN - BASEMENT
3/16" = 1'-0"

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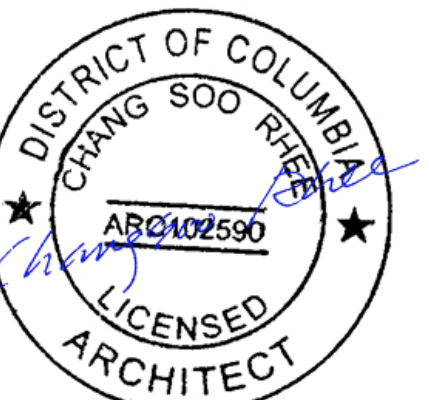
Architecture & Interiors planning
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Annandale, VA 22003
WWW.AIdesignDC.com
703-507-3146

AS BUILT SET



3 Story Town Home

1332 Harvard St NW,
Washington, DC 20009



1126 2024

No.	Description	Date

FLOOR PLAN -
LEVEL B, 1, 2, 3

Project number
Date
Drawn by
Checked by

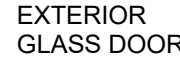
Author
Checker

A100

Scale 3/16" = 1'-0"

11/14/2024 10:32:27 AM

REFER TO ENERGY REQUIREMENT SHEET FOR EXTERIOR WINDOW SHGC VALUE

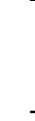


REFER TO ENERGY REQUIREMENT SHEET FOR WINDOW SHGC VALUE



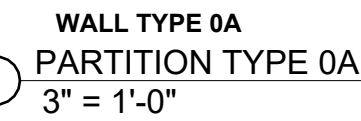
TYPE W1

DOUBLE HUNG WINDOW



TYPE W2

FIXED WINDOW



- 1/2" GWB, (1) LAYER EACH SIDE
PROVIDE MOISTURE RESISTANT
GYPSUM BOARD WHERE CERAMIC
TILE APPLIES

- 2X4 WD STUDS SPACED @ 16 OC, UOM

- GYPSUM BOARD - 1/2 IN. THICK GYPSUM BOARD APPLIED VERTICALLY
- WOOD STUDS - 2 IN. X 4 IN. WOOD STUDS SPACED MAX. 16 IN. OC
- GYPSUM BOARD - 1/2 IN. THICK GYPSUM BOARD APPLIED VERTICALLY

FIRE RATING: 0 HOUR

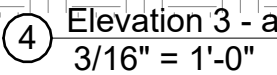
INTERIOR PARTITIONS - WOOD STUD

BASEMENT	LIVING	B101	335 SF		
BASEMENT	KIT	B102	196 SF		
BASEMENT	HALL	B103	132 SF		
BASEMENT	MECH	B104	8 SF		
BASEMENT	HEATER	B105	6 SF		
BASEMENT	POWDER	B106	19 SF		
BASEMENT	W/D	B107	10 SF		
BASEMENT	WIC	B108	32 SF		
BASEMENT	BEDROOM	B109	157 SF		
BASEMENT	BATHROOM	B110	47 SF		
BASEMENT	BEDROOM	B111	208 SF		
BASEMENT	CL	B112	6 SF		
BASEMENT	CL	B113	6 SF		
BASEMENT	BATHROOM	B114	53 SF		
BASEMENT	PUMP	B115	8 SF		

BASEMENT	LIVING	B101	3'-0"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	HALL	B104	3'-0"	7'-0"	0'-0"	Bifold-4 Panel	Existing
BASEMENT	HALL	B105	3'-0"	7'-0"	0'-0"	Bifold-4 Panel	Existing
BASEMENT	POWDER	B106	2'-6"	7'-0"	0'-0"	Single-Pocket	Existing
BASEMENT	HALL	B107	4'-0"	7'-0"	0'-0"	Double-Panel 2	Existing
BASEMENT	BEDROOM	B108	2'-6"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	BEDROOM	B109	4'-0"	7'-0"	0'-0"	Double-Panel 2	Existing
BASEMENT	BEDROOM	B110	2'-6"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	BEDROOM	B111	2'-6"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	BEDROOM	B111	2'-6"	6'-8"	1'-0"	SINGLE	Existing
BASEMENT	BEDROOM	B112	3'-0"	7'-0"	0'-0"	Bifold-4 Panel	Existing
BASEMENT	BEDROOM	B113	3'-0"	7'-0"	0'-0"	Bifold-4 Panel	Existing
BASEMENT	BEDROOM	B114	2'-6"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	LIVING	B115	2'-0"	7'-0"	0'-0"	SINGLE	Existing
BASEMENT	LIVING	B115A	2'-0"	7'-0"	0'-0"	SINGLE	Existing

BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	101	Double Hung	2' - 9"	4' - 5"	3' - 5"	Existing
BASEMENT	103	Fixed	3' - 0"	1' - 0"	6' - 0"	Existing
BASEMENT	103	Fixed	3' - 0"	1' - 0"	6' - 0"	Existing
BASEMENT	103	Fixed	3' - 0"	1' - 0"	6' - 0"	Existing

Grand total: \$



ELEVATION GENERAL NOTES

1. EXISTING EXTERIOR WALL TO REMAIN

Architecture & Interiors planning

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MBE U.S. VETERAN
CBA CBA
Small Business Woman-Owned

1332 Harvard St NW,

Washington, DC 20009

[illegible]

Project number

Date _____

Drawn by

Checked by

Author

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Scale

s indicated

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 IS 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 OR 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.

ELECTRICAL BOXES AND FITTINGS

1.

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

2.

JUNCTION AND PULL BOXES: PROVIDE GALVANIZED CODE-GUAGE 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.

PANELBOARDS

ALL PANELBOARDS MUST BE OF COPPER BUS ONLY.

PANELBOARD ENCLOSURES: PROVIDE GALVANIZED SHEET STEEL CABINET, CODE-GAUGE. CONSTRUCT WITH MULTIPLE KNOCKOUTS AND WIRING GUTTERS. PROVIDE FRONTS. EQUIPMENT WITH INTERIOR CIRCUIT DIRECTORY FRAME AND CARD WITH CLEAR PLASTIC COVERING. PROVIDE BAKED GRAY ENAMEL FINISH OVER A RUST INHIBITOR COATING. DESIGN ENCLOSURES FOR RECESSED MOUNTING. PROVIDE ENCLOSURES WHICH ARE FABRICATED BY SAME MANUFACTURERS AS PANELBOARDS WHICH MATCH AND MATCH PROPERLY WITH PANEL BOARD TO THE ENCLOSED.

NEW PANELBOARDS SHALL BE AS INDICATED ON THE DRAWINGS, WITH BOLT-ON MOLDED CASE CIRCUIT BREAKERS AND COPPER BUS BARS. CIRCUIT BREAKERS AND INTERIORS SHALL BE OF THE SAME MANUFACTURER AND U.L. LISTED. THE PANELBOARD SHALL COMPLY WITH ALL APPLICABLE STANDARDS.

ALL BOXES MAY BE PLASTIC, RESIDENTIAL GRADE.

ALL WIRING DEVICES MAY BE RESIDENTIAL GRADE. CUTLER HAMMER OR APPROVED EQUAL.

MAY USE RESIDENTIAL MC CABLES.

FIRE RESISTANCE RATING NOTES

•

ELECTRICAL BOXES PENETRATING FIRE RESISTANCE RATED MEMBRANES OF CEILINGS AND WALLS MUST MEET THE REQUIREMENTS OF 2017 DCMR CHAPTER 7 FOR PENETRATING ITEMS. THE BOXES THEMSELVES MUST BE FIRE RATED OR HAVE A FIRE STOP SYSTEM ADDED TO THEM (2017 DCMR 714.3.2)

•

ALL ELECTRICAL WIRING, CONDUITS, RACEWAYS, CATV, AND TELEPHONE WIRING PENETRATING FIRE-RESISTANCE RATED MEMBRANES MUST BE PROPERLY SEALED TO ASSURE THAT ALL REQUIRED FIRE-RESISTANCE RATING IS NOT REDUCED PER 2017 DCMR 703.2. USE EVERKEM ECOSOLE FIRE STOP 814+ OR APPROVED EQUAL. IT IS UL CLASSIFIED, INTUMESCENT FIRE STOP SEALANT DESIGNED TO RESUME THE INTEGRITY OF 1 AND 2 HOUR RATED FIRE RATED WALLS AND FLOORS WHEN PENETRATED BY PLUMBING, ELECTRICAL, AND OTHER MECHANICAL ITEMS.

ELECTRICAL SYMBOLS

- Ⓛ

LED 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.

Ⓢ

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.

Ⓢ

LIGHT SWITCH WITH BUILT-IN OCCUPANCY AND DAY LIGHT SENSOR.

Ⓢ

RECEPTACLE-WINDOW.

Ⓢ

CEILING MOUNTED OCCUPANCY SENSOR.

Ⓢ

JUNCTION BOX, CEILING OR WALL MOUNTED.

Ⓢ

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. DISCONNECT SWITCH, AMP, VOLT, POLES AND FUSING AS

Ⓢ

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

Ⓢ

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.

Ⓢ

DUPLEX GROUNDING RECEPTACLE 20A, 120 VOLT TAMPER PROOF

Ⓢ

DAY LIGHT SENSOR

Ⓢ

FIRE ALARM VISUAL STATION

Ⓢ

FIRE ALARM AUDIO/VISUAL STATION

Ⓢ

FLOOR MOUNTED 5-20R RECEPTACLE

Ⓢ

TEL/DATA OUTLET

Ⓢ

SMOKE/CARBON MONOXIDE DETECTOR

ELECTRICAL ABBREVIATIONS

A	AMP	KW	KILOWATTS
AFB	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AHU	AIR HANDLING UNIT	MLO	MAIN LUGS ONLY
ALC	AMPS INTERRUPTING CAPACITY ALUMINUM	MOCB	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	N	NEW
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER		
CH	CABINET HEATER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CKT	CIRCUIT	NFSS	NON-FUSED SAFETY SWITCH
CU	COPPER, COMPRESSOR UNIT	OCPD	OVER CURRENT PROTECTION DEVICE
C	CONDUIT	P	POLE
DN	DOWN	PH OR O	PHASE
E	EXISTING	PNL	PANEL
EC	EMPTY CONDUIT	PFF	PROVISIONS FOR FUTURE
ER	EXISTING RELOCATED	R	REMOVE
EF	EXHAUST FAN	RE	RELOCATE
EM	EMERGENCY	RTU	ROOF TOP UNIT
EMT	ELECTRIC METAL TUBING	RLA	RUNNING LOAD AMPS
EPO	EMERGENCY POWER OFF	SN	SOLID NEUTRAL
EW	ELECTRIC WATER COOLER	SWED	SWITCHBOARD
FSS	FUSED SAFETY SWITCH	TELE	TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FAAP	FIRE ALARM ANNUNCIATOR PANEL	UL	UNDERWRITERS LABORATORY
FLA	FULL LOAD AMPS	UON	UNLESS OTHERWISE NOTED
GF	GROUND FAULT INTERRUPTER	V	VOLTAGE
GND OR G	GROUND	VA	VOLT AMPS
HP	HORSE POWER	VAV	VARIABLE AIR VOLUME
HG	HOSPITAL GRADE	W	WATTS
IG	ISOLATED GROUND	WH	WATER HEATER
JB	JUNCTION BOX	WP	WEATHER PROOF
KVA	KILOVOLT AMPS	WSA	WIRE SIZE AMPS
		XFMR	TRANSFORMER

WASHINGTON DC CODES

2017 DISTRICT OF COLUMBIA CONSTRUCTION CODES ENCOMPASSES ALL CODES USED BY THE DISTRICT OF COLUMBIA. 12-A DCMR 101.1	
RESIDENTIAL:	2017 DISTRICT OF COLUMBIA RESIDENTIAL CODE
BUILDING:	2015 IBC AND 2017 DCMR12A SUPPLEMENT 2015 IBC
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

DRAWING NUMBER	DRAWING TITLE
E100	COVER SHEET
E200	AS-BUILT BASEMENT FLOOR LIGHTING PLAN
E300	AS-BUILT BASEMENT FLOOR POWER PLAN
E400	RISER DIAGRAM AND SCHEDULES

SCOPE OF WORK

- AS-BUILT BASEMENT ONLY.

DRAFTING SYMBOLS

- (N) = NEW

(R) = REMOVE

(E) = EXISTING

(ER)= EXISTING RELOCATE

(RR)= REMOVE AND RELOCATE
- 1 PLAN NAME/DETAIL TITLE

2 SCALE

VIEW NUMBER

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AS BUILT SET



3 Story Town Home
1332 Harvard St NW,
Washington, DC 20009



11/26/2024



Design - Consultants - Management - Permit
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LAMAENGINEERS@OUTLOOK.COM
TEL.: 571-833-8357

No.	Description	Date
	Permit set	11/26/2024

COVER SHEET

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K

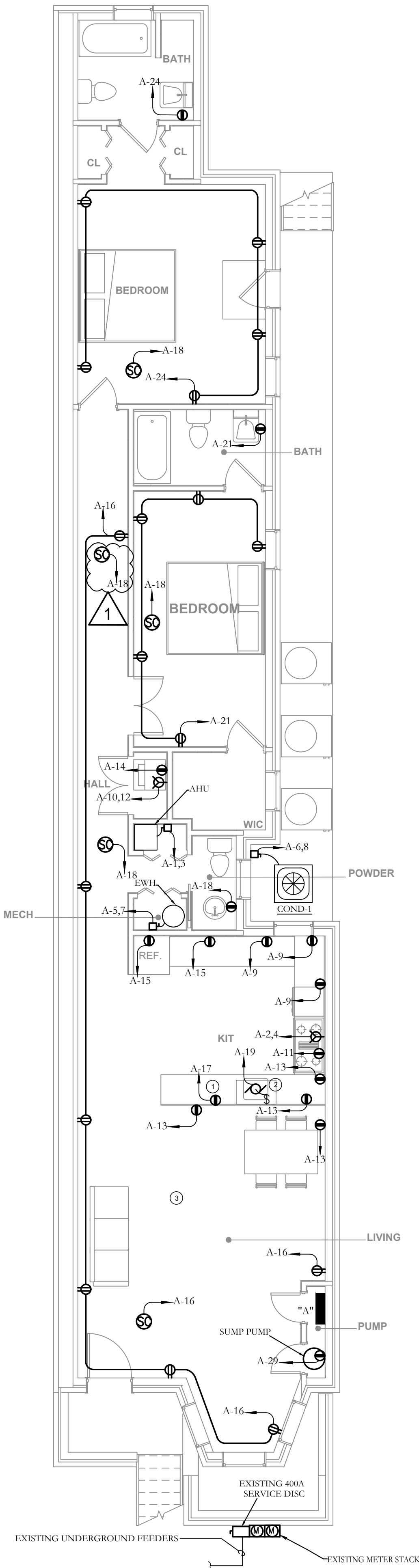
E100

Scale 3/16" = 1'-0"



A. ALL EXISTING LIGHTS MARKED WITH (E) ARE EXISTING TO REMAIN INTACT INCLUDING THEIR CIRCUITRY, UNLESS NOTED OTHERWISE

Scale $3/16" = 1'-0"$



1 BASEMENT FLOOR POWER PLAN
SCALE: 3/16"=1'-0"

MECHANICAL EQUIPMENT SCHEDULE								
LOAD	V	PH	FLA	MCA	MOCF	FUSE	DISC.SWITCH	NEMA
COND-1	240	1	12	15	25	25	30	3R
AHU	240	1	42.4	53	60	60	60	1

GENERAL NOTES

- A. ALL 120 VOLT, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DINES, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, OR COMBINATION- TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUITS.(NEC 2014 210.12)
- B. TAMPER RESISTANT RECEPTACLES ARE REQUIRED IN DWELLING AT ALL LOCATIONS EXCEPT WHERE THEY ARE MOUNTED HIGHER THAN 5-1/2 FEET ABOVE THE FLOOR OR IN A SPACE DEDICATED TO A SPECIFIC APPLIANCE.
- C. IN SLEEPING ROOMS OF GROUP R-2 OCCUPANCIES, THE AUDIBLE ALARM ACTIVATED BY A FIRE ALARM SYSTEM SHALL BE A 520-HZ LOW-FREQUENCY SIGNAL.

POWER KEYED NOTES

- ① DISHWASHER RECEPTACLE MUST BE ACCESSIBLE UNDER THE SINK.
- ② DISPOSAL RECEPTACLE MUST BE ACCESSIBLE UNDER THE SINK.
- ③ FIRE RATED CEILING THROUGHOUT THE UNIT.

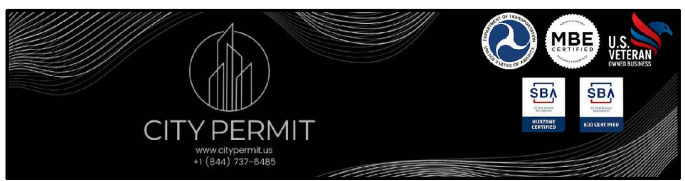
GENERAL LIGHTING & POWER NOTES:

1. ALL LIGHTS AND EXHAUST FAN ARE NEW EXCEPT OUTDOOR LIGHT IS EXISTING TO REMAIN.
2. ALL EXISTING RECEPTACLES MARKED WITH (ER) ARE EXISTING RELOCATED.
3. PER IECC 404.1 LIGHTING EQUIPMENT:
A MINIMUM OF 90 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS OR A MINIMUM OF 90 PERCENT OF THE PERMANENTLY INSTALLED FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.
4. LIGHTING & POWER DRAWINGS ARE PROVIDED FOR LAYOUT PURPOSES ONLY.
5. PROVIDE OUTLETS PER CODE.
6. ALL SMOKE DETECTORS TO BE HARDWIRED AND INTERCONNECTED.
7. ALL ELECTRICAL TO MEET OR EXCEED CURRENT ELECTRICAL CODES.
8. RECESSED LIGHTS ARE IC RATED AT SOUND INSULATION AT BEDROOMS & BATHROOMS.
9. IC-RATED RECESSED LIGHTING FIXTURES TO BE SEALED AT HOUSING/INTERIOR FINISH & LABELED TO INDICATE GREATER THAN OR AT 2.0 CFM LEAKAGE AT 75 PA.
10. PROVIDE WET LOCATION RECESSED LIGHTS, AS NECESSARY.
11. ALL SMOKE / CARBON MONOXIDE DETECTORS TO BE LOW VOLTAGE, HARD WIRED & INTERCONNECTED.
12. PROVIDE AFCI OUTLETS PER NEC.
13. WHERE A GAS CONNECTION EXISTS, CARBON MONOXIDE DETECTOR SHALL BE PROVIDED

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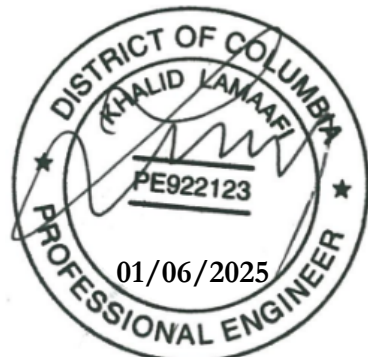
No.	Description	Date
	Permit set	11/26/2024
△	Permit comment	01/06/2025

**BASEMENT FLOOR
POWER PLAN**

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K

E300

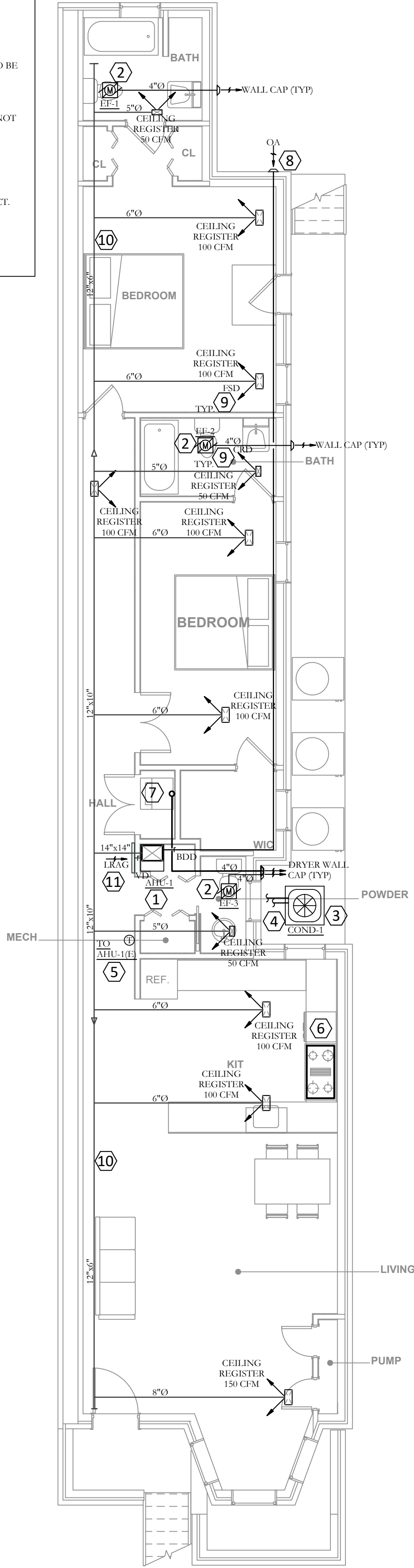
Scale 3/16" = 1'-0"



TOTAL					LOAD CALCULATION														
										UNIT BASEMENT					TYPICAL UNIT 1,2,3				
1. A. GENERAL LOAD 6387 S.F x 3 VA = 19161					1. A. GENERAL LOAD SF x 3 VA					1614 S.F x 3 VA = 4,842 VA					1591 S.F x 3 = 4,773 VA				
B. SMALL APPLIANCE LOADS					B. SMALL APPLIANCE LOADS														
1,500 VA x 8 = 12000					1,500 VA x 2 CIRCUITS					1,500 x 2 VA = 3,000 VA					1500 x 2 = 3,000 VA				
C. LAUNDRY LOAD 1,500 VA x 4 = 6000					C. LAUNDRY LOAD 1,500 VA x 1					1500 x 1 VA = 1500 VA					1500 x 1 = 1,500 VA				
-					SUBTOTALE					9,342 VA					9,273 VA				
					FIRST 3000 VA x 100%					3,000 VA x 100%					3,000 VA x 100%				
					NEXT VA x 40%					6,342 VA x 40 % = 2,537 VA					6,273 VA x 40 % = 2,509 VA				
					TOTAL					= 5,537					= 5,509 VA				
2. COOKING 8,000 VA x 1 = 8,000					2. COOKING 8,000 VA x 1					8,000 VA					0 VA				
3. DRYER 5,000 VA x 4 = 20,000					3. DRYER 5,000 VA x 1					5,000 VA					5,000 VA				
4. FIXED APPLIANCE LOADS					4. FIXED APPLIANCE LOADS														
DISPOSAL 800 VA x 4 = 3,200					DISPOSAL 800 VA x 1					800 VA					800 VA				
MICROWAVE 1,000 VA x 4 = 4,000					MICROWAVE 1,000 VA x 1					1,000 VA					1,000 VA				
REFRIGERATOR 800 VA x 4 = 3,200					REFRIGERATOR 800 VA x 1					800 VA					800 VA				
DISHWASHER 1,000 VA x 4 = 4,000					DISHWASHER 1,000 VA x 1					1,000 VA					1,000 VA				
SUMP PUMP 1,000 VA x 1 = 1,000					SUMP PUMP 1,000 VA x 1					1,000 VA					0 VA				
WATER HEATER 3,500 VA x 4 = 14,000					WATER HEATER 3,500 VA x 1					3,500 VA					3,500 VA				
5. HEATING OR COOLING LOAD					5. HEATING OR COOLING LOAD														
HEATING 8,500 VA x 4 = 34,000					HEATING 8,500 VA x 1					8,500 VA					8,500 VA				
COOLING 2,000 VA x 4 = 8,000					COOLING 2,000 VA x 1					2,000 VA					2,000 VA				
LARGEST LOAD 34,000					LARGEST LOAD					8,500 VA					8,500 VA				
6. LARGES MOTOR LOAD 400 VA					6. LARGES MOTOR LOAD 1,600 VA x 25%					400 VA					400 VA				
TOTALE 122,961 VA 512.34 AMP					TOTAL					36 KVA					27 KVA				
NEC TABLE 220,84										36 / 240 V = 148 AMP					27 / 240 V = 110 AMP				
122,961 VA x 45% = 55,332 VA										EXISTING PANEL 150A @240/1PH					EXISTING PANEL 150A @240/1PH				
55,332 VA /240 V = 230.55 AMP																			
EXISTING 400 AMP METER CENTER																			

- MECHANICAL KEYED NOTES:**
- 1 PROVIDE NEW AHU. REFER TO SCHEDULE AND DETAIL FOR MORE INFORMATION. ROUTE 3/4" CONDENSATE DRAIN TO DAYLIGHT. PROVIDE PUMP DRAIN IF NEEDED.
 - 2 PROVIDE BATHROOM EXHAUST FAN. REFER TO SCHEDULE AND DETAILS. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
 - 3 PROVIDE NEW CONDENSING UNIT. REFER TO SCHEDULE AND DETAIL FOR MORE INFORMATION. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS MUST BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS.
 - 4 ROUTE REFRIGERANT SUCTON AND LIQUID PIPING FROM INDOOR AHU TO OUTDOOR UNIT. SIZING TO BE BASED ON MANUFACTURER'S REQUIREMENTS FOR TOTAL DEVELOPED LENGTH.
 - 5 PROVIDE NEW THERMOSTAT TO CONTROL AHU. COORDINATE EXACT LOCATION WITH OWNER/ARCH.
 - 6 VENTLESS KITCHEN HOOD. RECIRCULATING RANGE HOOD. AIRFLOW OF THE EXHAUST HOOD SHALL NOT EXCEED 400 CFM. MINIMUM EFFICACY 2.8 (CFM/WATT).
 - 7 ROUTE 4" EXHAUST DRYER PER MANUFACTURER'S REQUIREMENTS AND VENTED DIRECTLY TO THE OUTSIDE.
 - 8 PROVIDE AND INSTALL 6"O FRESH AIR DUCT. FRESH AIR DUCT TO BE ROUTED TO MECHANICAL ROOM.
 - 9 PROVIDE CEILING RADIATION DAMPER (CRD) FOR EXHAUST AND FIRE SMOKER DAMPER (FSD) FOR DUCT. REFER TO MECHANICAL SCHEDULES AND DETAILS.
 - 10 EQUIPMENT/DUCTWORK LOCATED IN DROPPED CEILING/BULKHEAD. COORDINATE WITH STRUCTURAL.
 - 11 PROVIDE NEW RETURN AIR TRANSFER GRILLE.

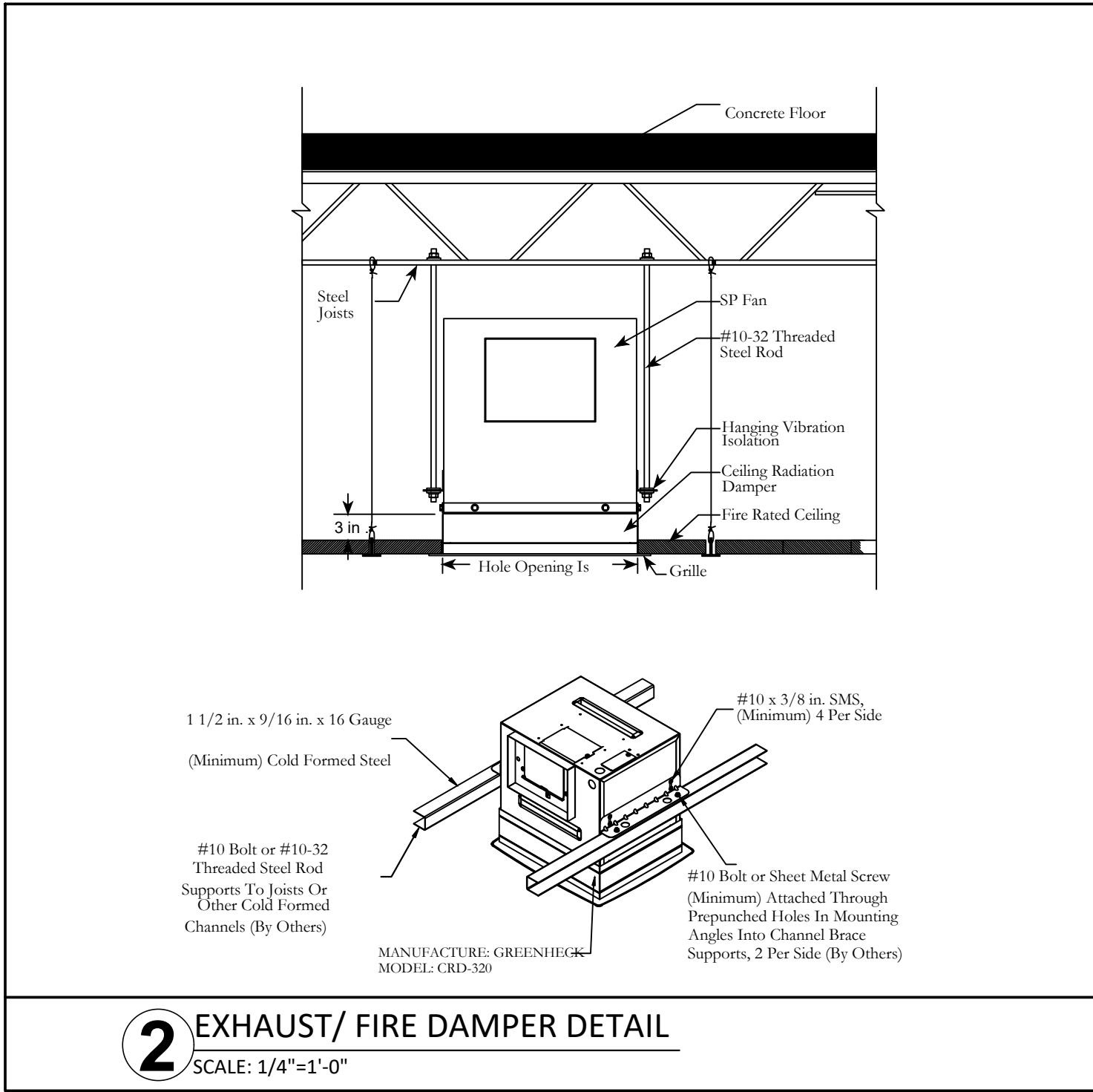
- GENERAL NOTES:**
- A. COORDINATE ALL WALL CAPS LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 - B. ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACK DRAFT DAMPERS. TOILET AND KITCHEN EXHAUST SHALL INCLUDE INSECT SCREE.
 - C. THE LAST 10" OF DRYER, KITCHEN AND BATH EXHAUST SHALL BE SLOPED AT 1/8" PER FOOT TO EXTERIOR WALL CAP.
 - D. BEDROOM, CLOSET, BATHROOMS, STAND ALONE DOORS SHALL BE UNDERCUT (BY OTHERS) FOR RETURN AIR PATH.
 - E. MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL AIR INTAKES AND ANY EXHAUST TERMINATIONS, GAS FLUES, OR PLUMBING VENTS.
 - F. RECIRCULATING KITCHEN RANGE VENT HOOD (BY OTHERS) SHALL BE PROVIDED WITH AN INTEGRAL BACK DRAFT DAMPER.
 - G. GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL TRUSSES INSTALLED ABOVE VERTICAL AIR HANDLING UNITS TO AVOID HVAC AND STRUCTURAL CONFLICTS. HVAC WILL HAVE A SUPPLY DUCT DISCHARGE PLENUM THAT MUST EXTEND BETWEEN OPEN WEB JOISTS/TRUSSES.
 - H. ALL EXHAUSTS SHALL TERMINATE A MINIMUM OF 10' FROM PROPERTY LINES.



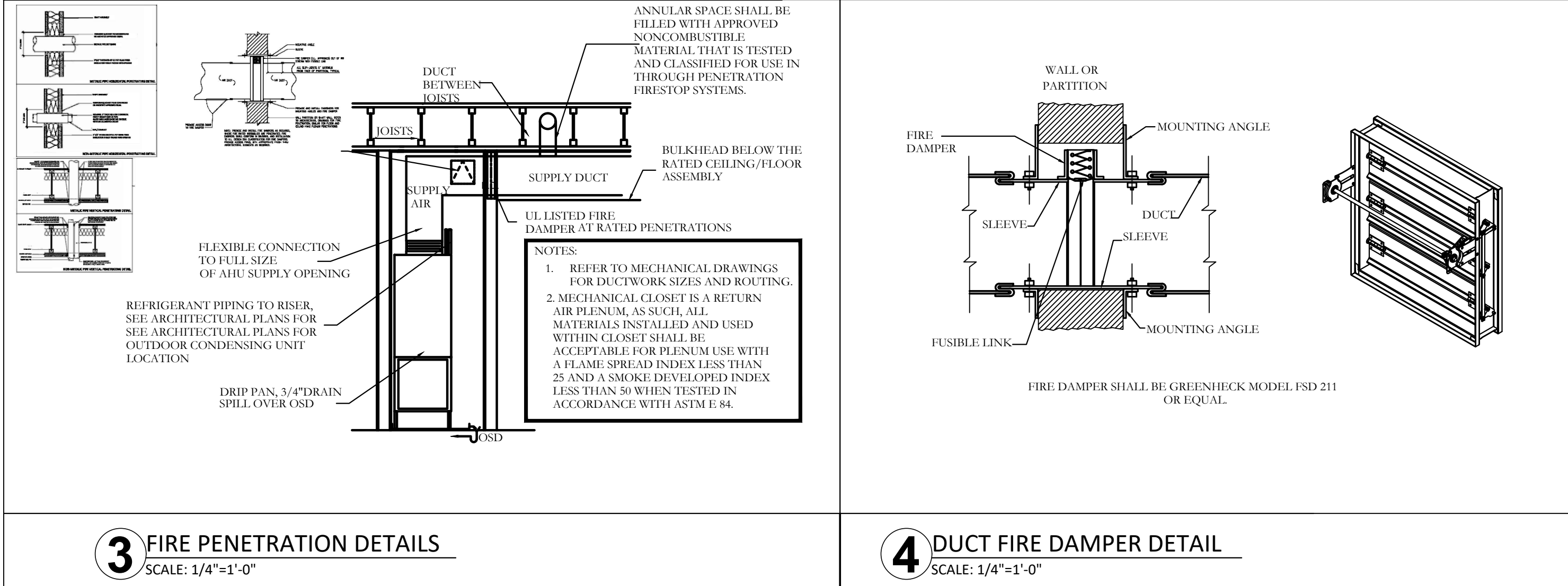
1 FLOOR PLAN - BASEMENT
SCALE: 1/4"=1'-0"

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)	REFRIGERANT TYPE	SEER
AHU-1 & COND-1	2.5 TON	1000 CFM	60 CFM	0.5	25.5 MBH	80 F/67.0 F	57 F/55 F	30.0 MBH	HEAT PUMP / ELECTRIC HEAT 9.6 KW	26.19 MBH	R-32	13.0
NOTES: <div>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.</div> <div>2. PROVIDE SYSTEMS WITH PROGRAMMABLE THERMOSTATS EQUAL TO CARRIER TR-PIPH1. 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.</div> <div>3. ESP IS EXCLUSIVE OF FILTERS, WET COIL, AND CASING LOSS.</div> <div>4. HEATING AND COOLING VALVES ARE MINIMUM REQUIRED TO MEET DESIGN.</div> <div>5. FURNISH UNIT WITH LOW AMBIENT CONTROLS.</div> <div>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.</div> <div>7. UNITS SHALL MEET ENERGY STAR.</div> <div>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.</div>												

FAN SCHEDULE													
MARK	LOCATION	CFM	ESP IN WG.	ELECTRICAL DATA						DRIVE	FAN CONTROLLED BY	MANUFACTURER AND MODEL NUMBER	REMARKS
				VOLTS	PHASE	HERTZ	RPM	WATTS	CFM/WATTS				
EF-1 THRU 3	SEE PLAN	75	0.25	120	1	60	580	15.89	4.71	DIRECT	WALL SWITCH	GREENHECK SP-B50	SEE NOTES BELOW
NOTE: 1. ALL FANS SHALL BE PROVIDED WITH BACKDRAFT DAMPER AND INTEGRAL DISCONNECT SWITCH. 2. ALL TOILETS EXHAUST FANS SHALL BE CONTROLLED BY WALL SWITCH AND ENERGY STAR. 3. PROVIDE CEILING RADIATION DAMPER GREENHECK MANUFACTURE, MODEL #CRD-320, EX-1,2,3,4,5,6,7 AND 8.													



2 EXHAUST/ FIRE DAMPER DETAIL
SCALE: 1/4"=1'-0"



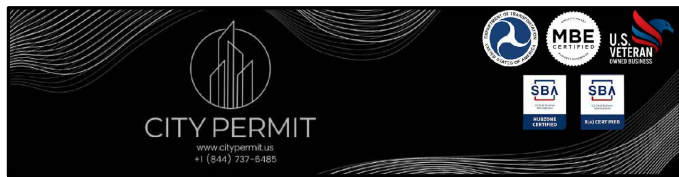
3 FIRE PENETRATION DETAILS
SCALE: 1/4"=1'-0"

4 DUCT FIRE DAMPER DETAIL
SCALE: 1/4"=1'-0"

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AS BUILT SET



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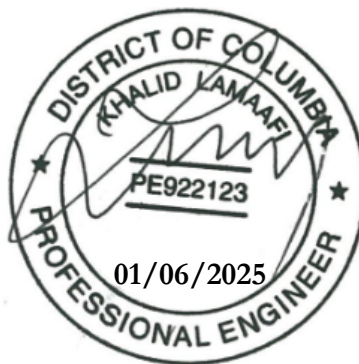
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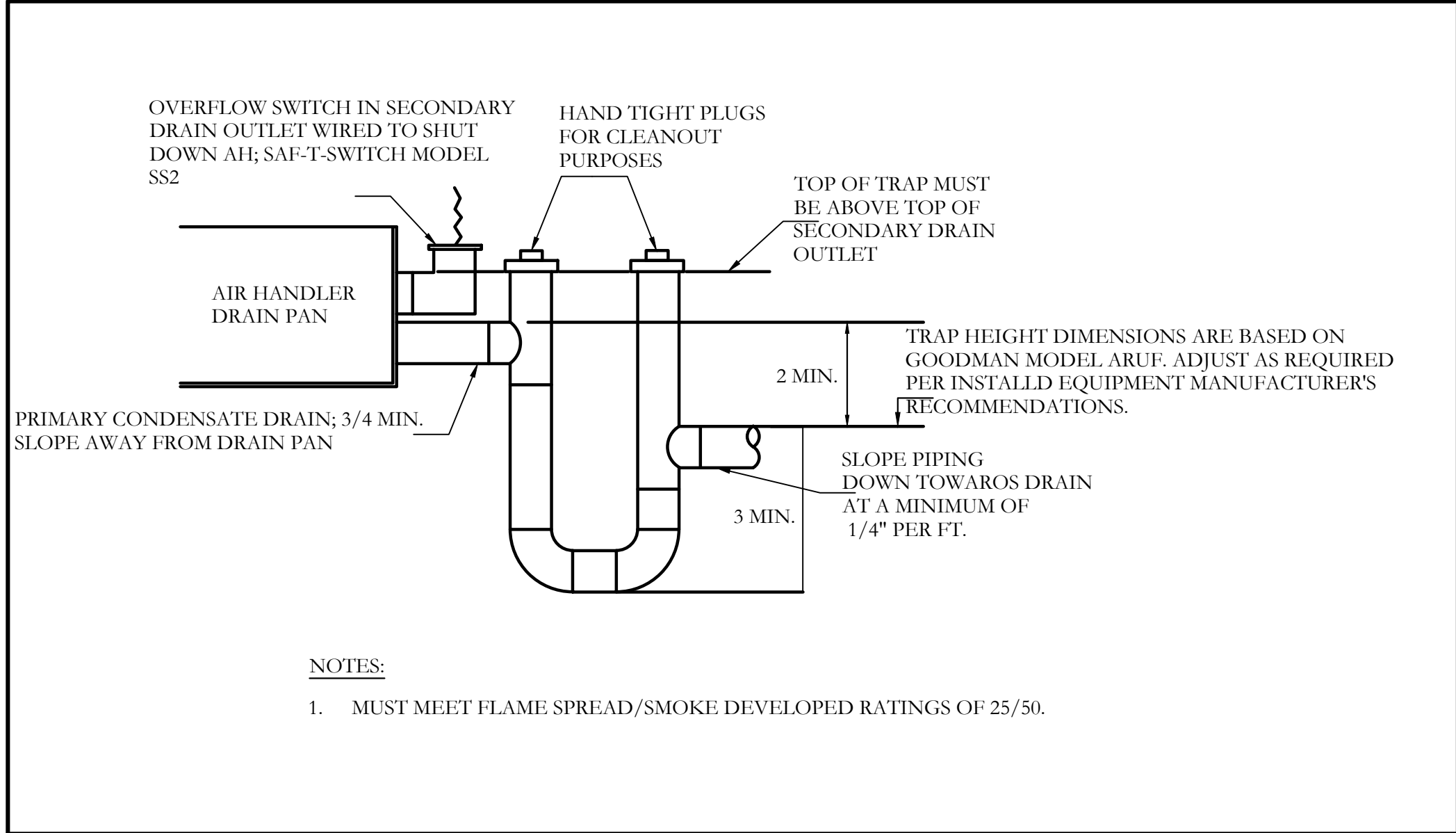
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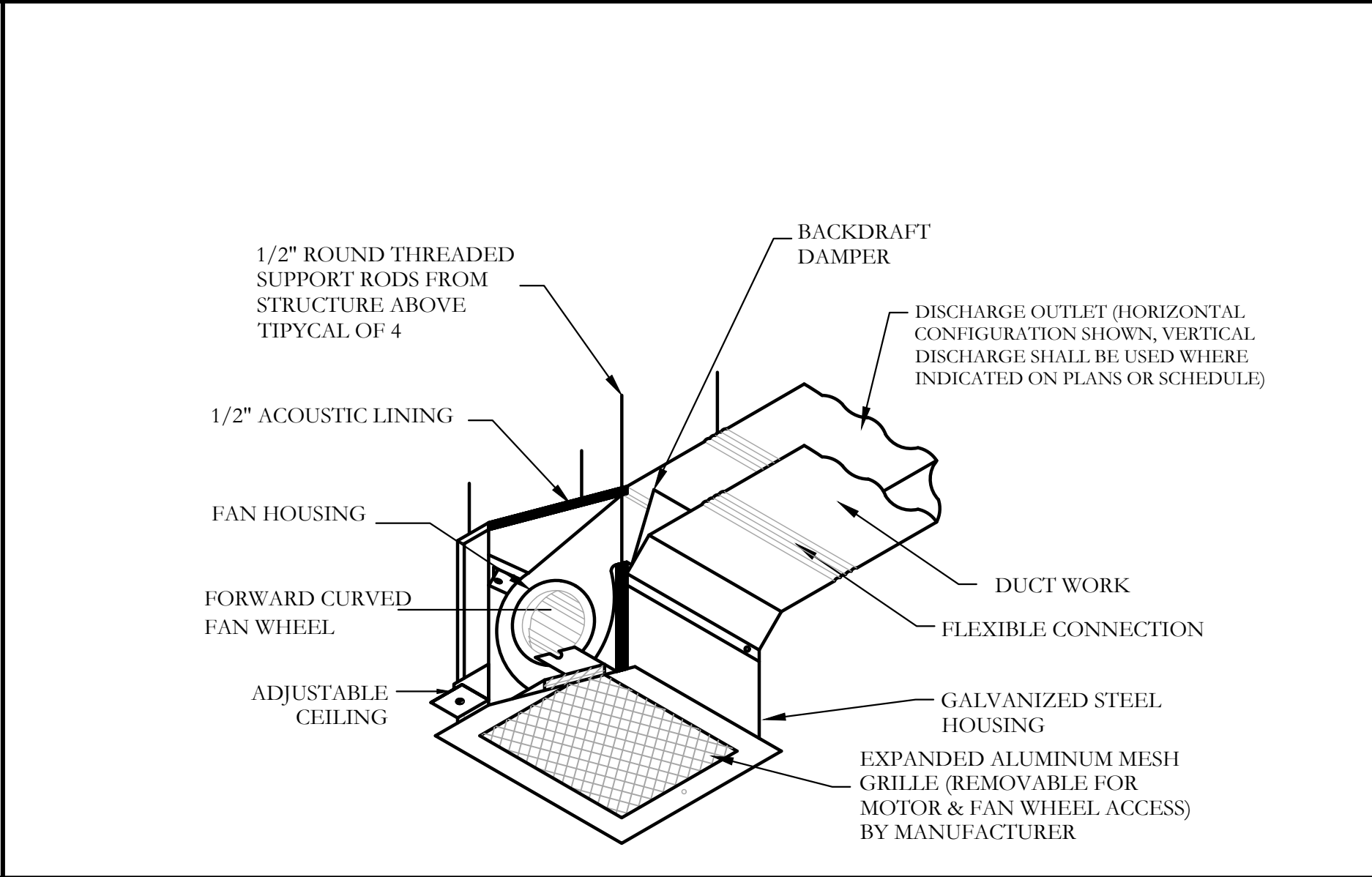
BASEMENT FLOOR PLAN, SCHEDULES AND DETAILS

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K
Scale	M200 1/3/16" = 1'-0"

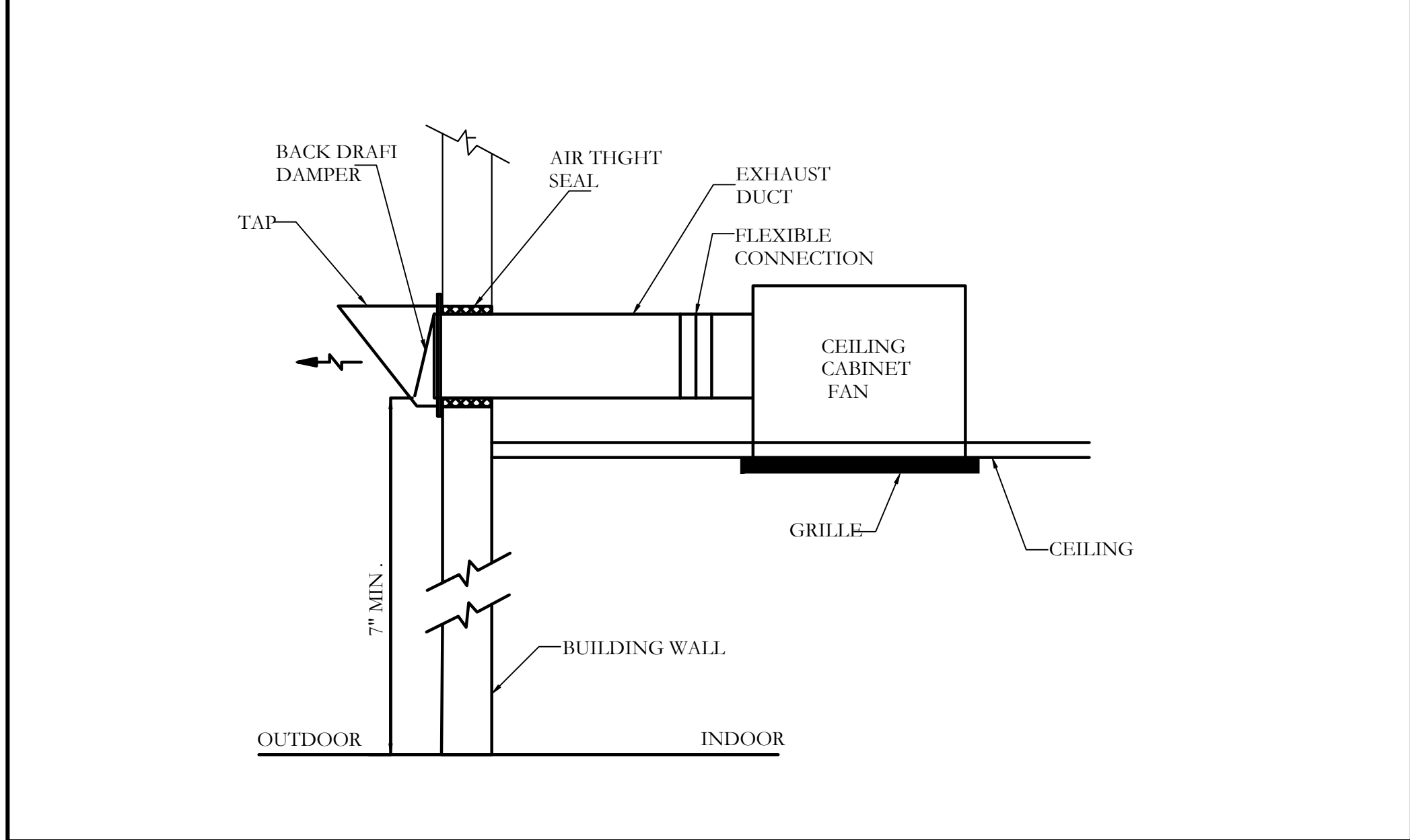




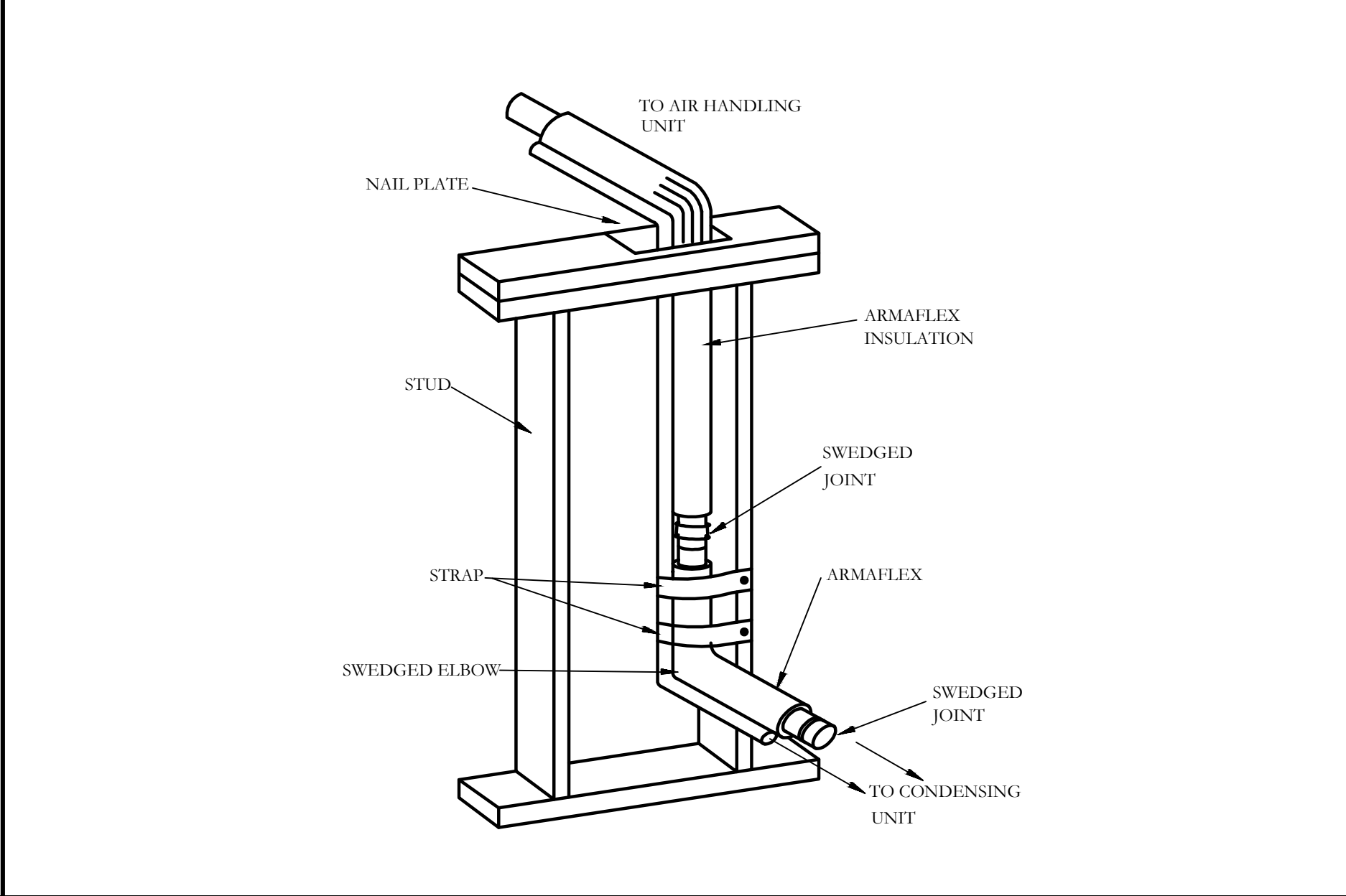
1 DWELLING UNIT CONDENSATE TRAP DETAIL
N.T.S.



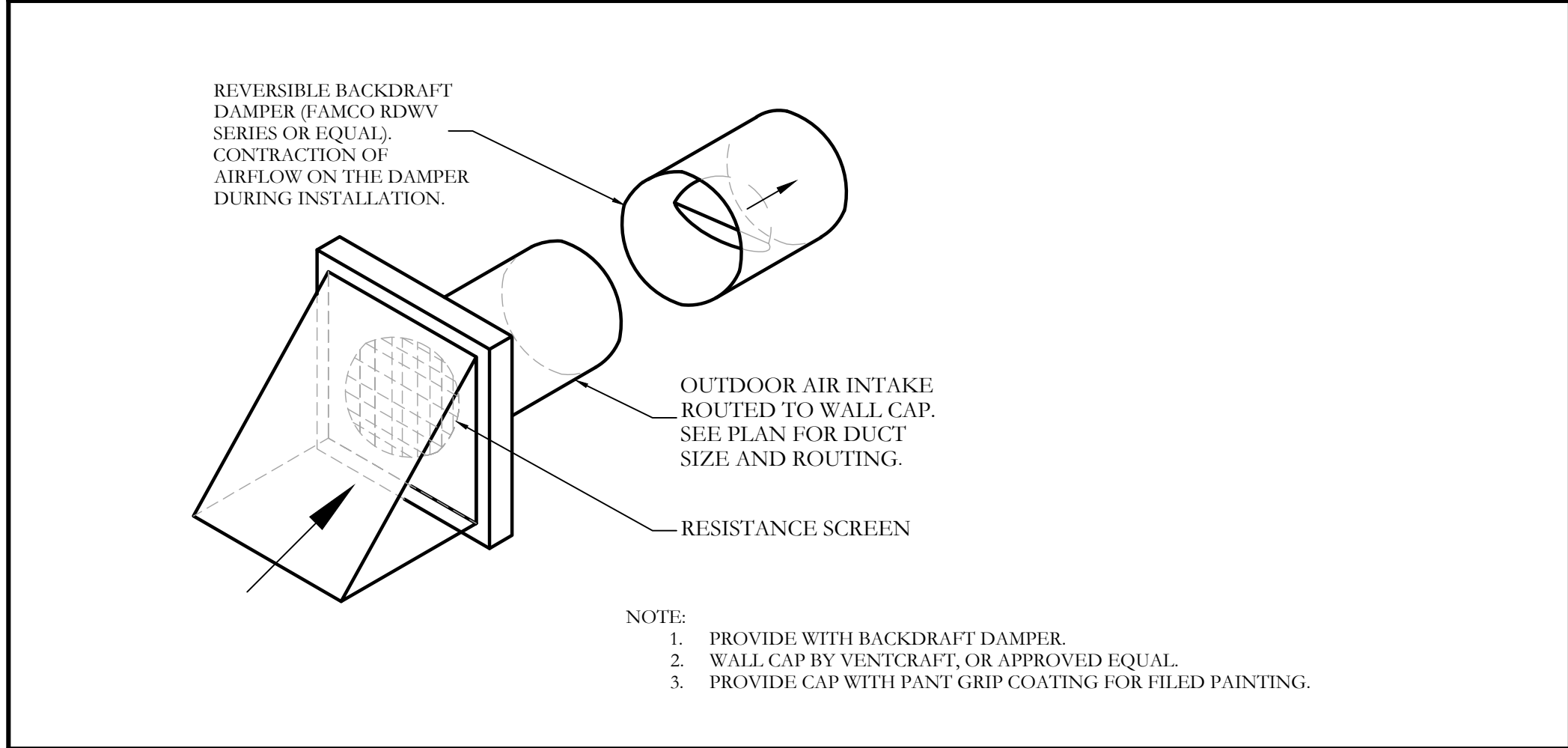
2 CABINET CEILING EXHAUST FAN DETAIL
N.T.S.



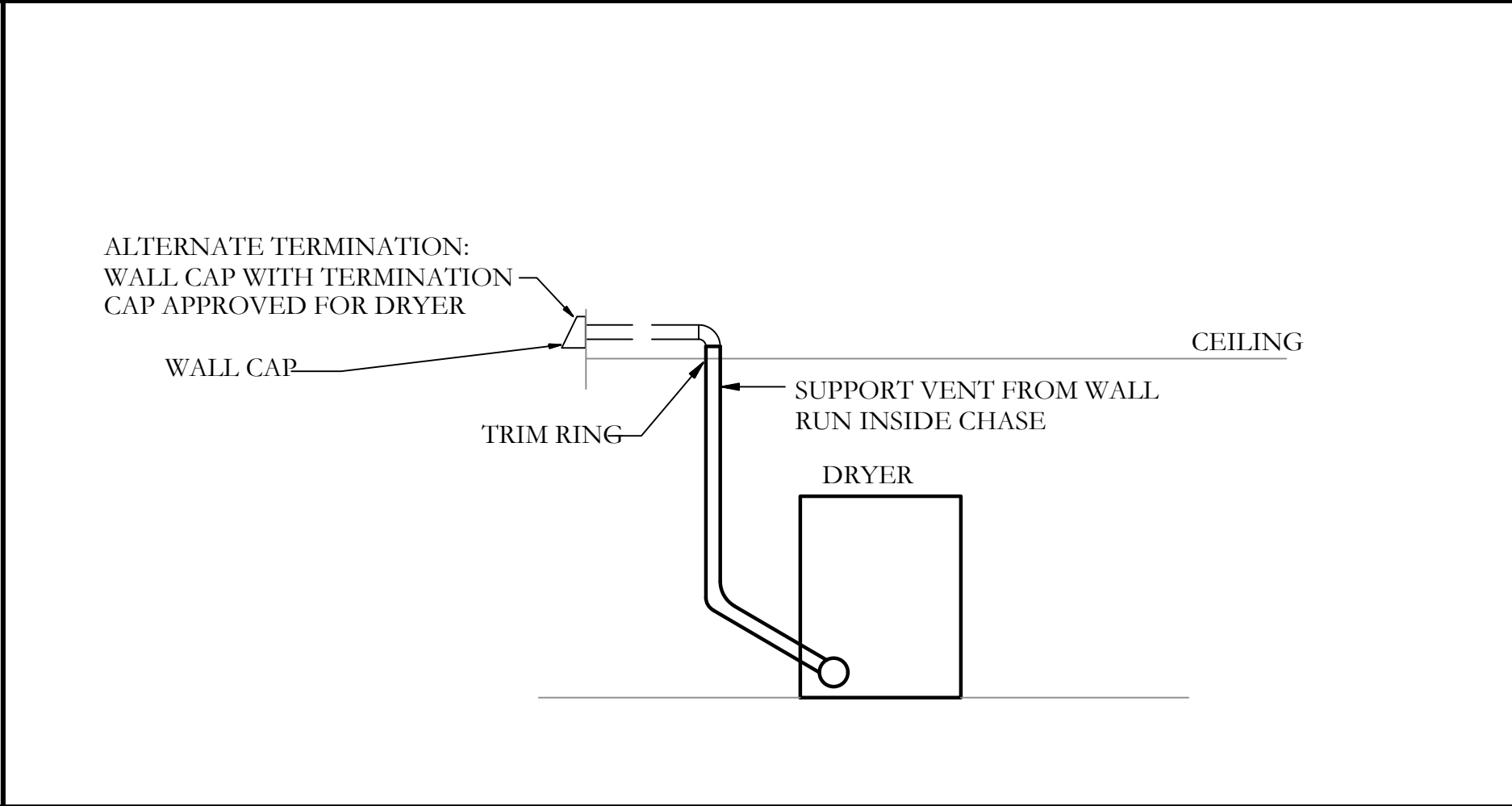
3 EXHAUST WALL CAP DETAIL
N.T.S.



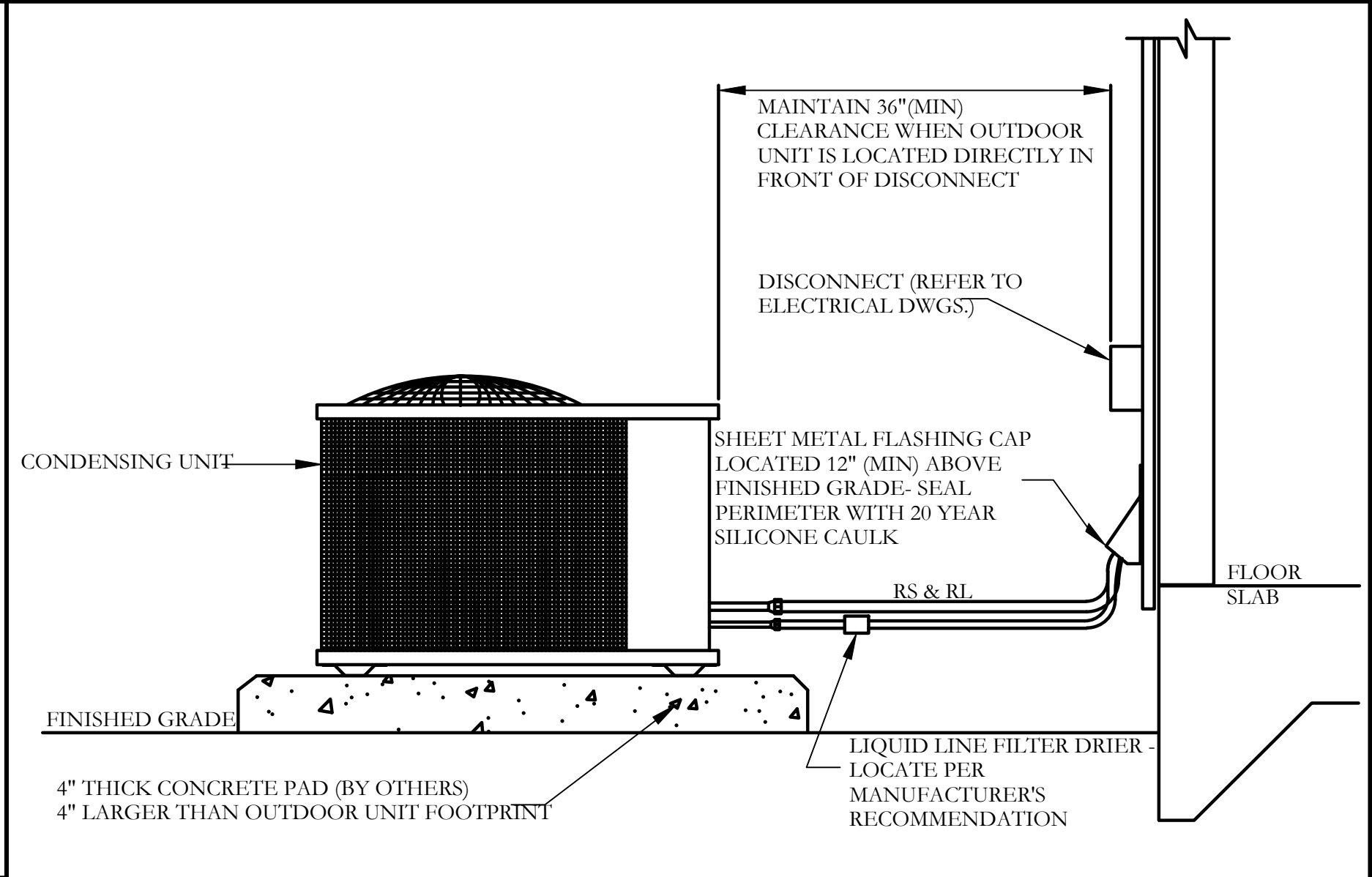
4 REFRIGERANT PIPING DETAIL
N.T.S.



5 OUTSIDE AIR INTAKE WALL CAP DETAIL
N.T.S.

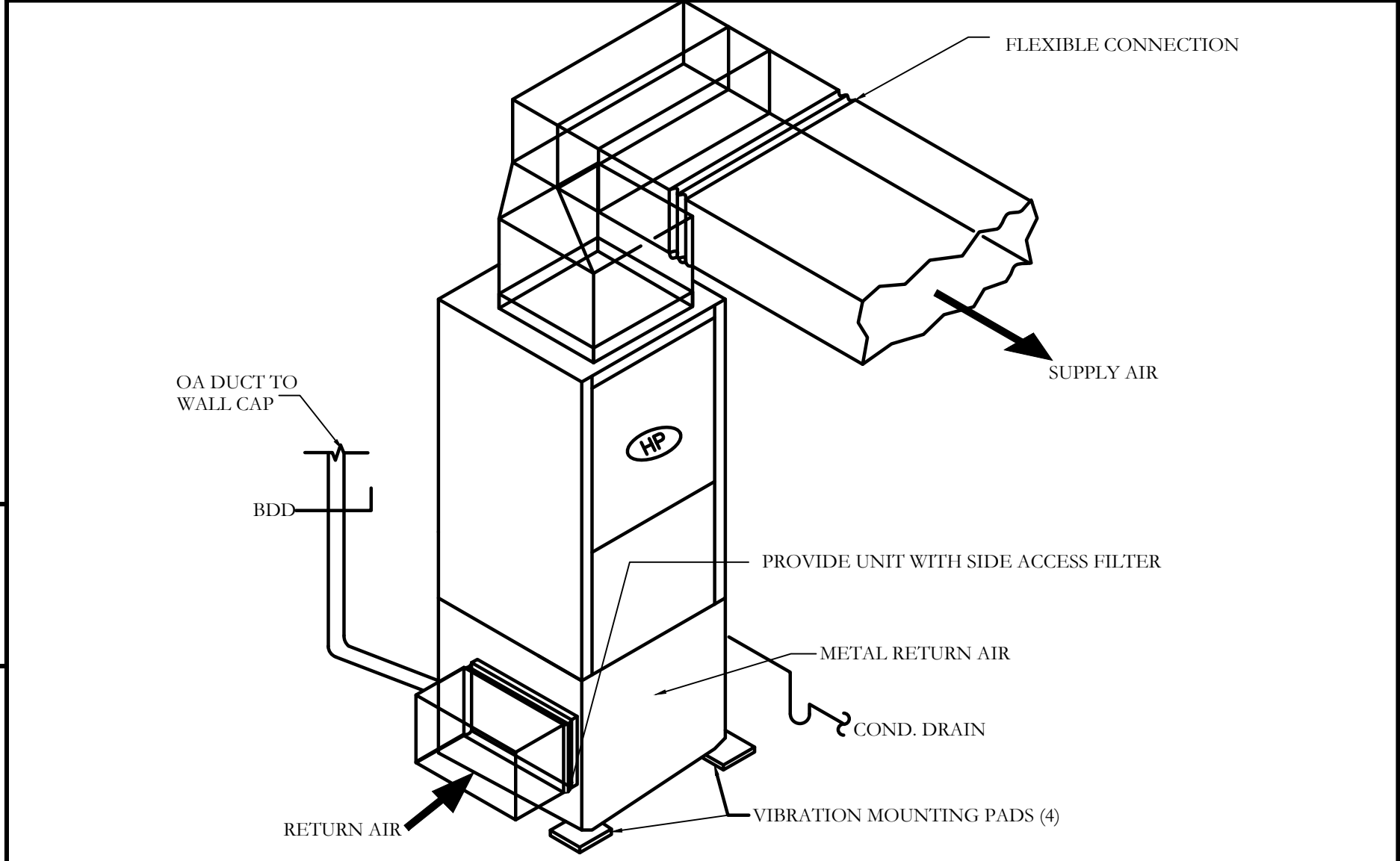


6 STACKED DRYER EXHAUST DETAIL
N.T.S.



- NOTES:
1. MAINTAIN 30"x30" CLEARANCE ON SERVICE SIDE OF ALL OUTDOOR UNITS.
 2. IF REQUIRED BY LOCAL CODE, SECURE UNIT TO CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS.
 3. SEAL SPACE BETWEEN PIPING AND FLASHING CAP WEATHER TIGHT WITH EXPANDING FOAM INSULATIONS.
 4. ALL REFRIGERANT LINE SET PENETRATIONS SHALL BE LOCATED AT THE SAME ELEVATION AROUND THE BUILDING.
 5. ALL ELECTRICAL DISCONNECTS SHALL BE LOCATED AT THE SAME ELEVATION AROUND THE BUILDING (COORDINATE WITH ELECTRICAL CONTRACTOR).

7 GRADE MOUNTED OUTDOOR UNIT DETAIL
N.T.S.



8 AHU INSTALLATION DETAIL
N.T.S.

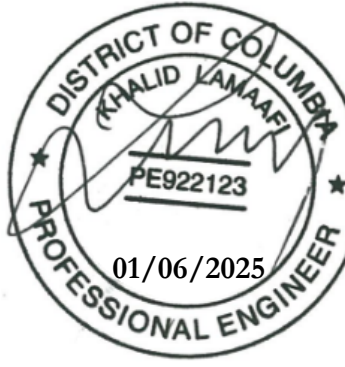
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DETAILS
Project number H096
Date 11/26/2024
Drawn by S
Checked by K
Scale 3/16" = 1'-0"



PLUMBING NOTES:

WASHINGTON DC CODES:

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.

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 DCP SECTION 610. THIS REQUIREMENT SHALL APPLY TO "ON-SITE" OR "IN-PLANT" FABRICATION OF A SYSTEM OR TO A MODULAR PORTION OF A SYSTEM.

SHEET INDEX:

P400 RISER DIAGRAMS

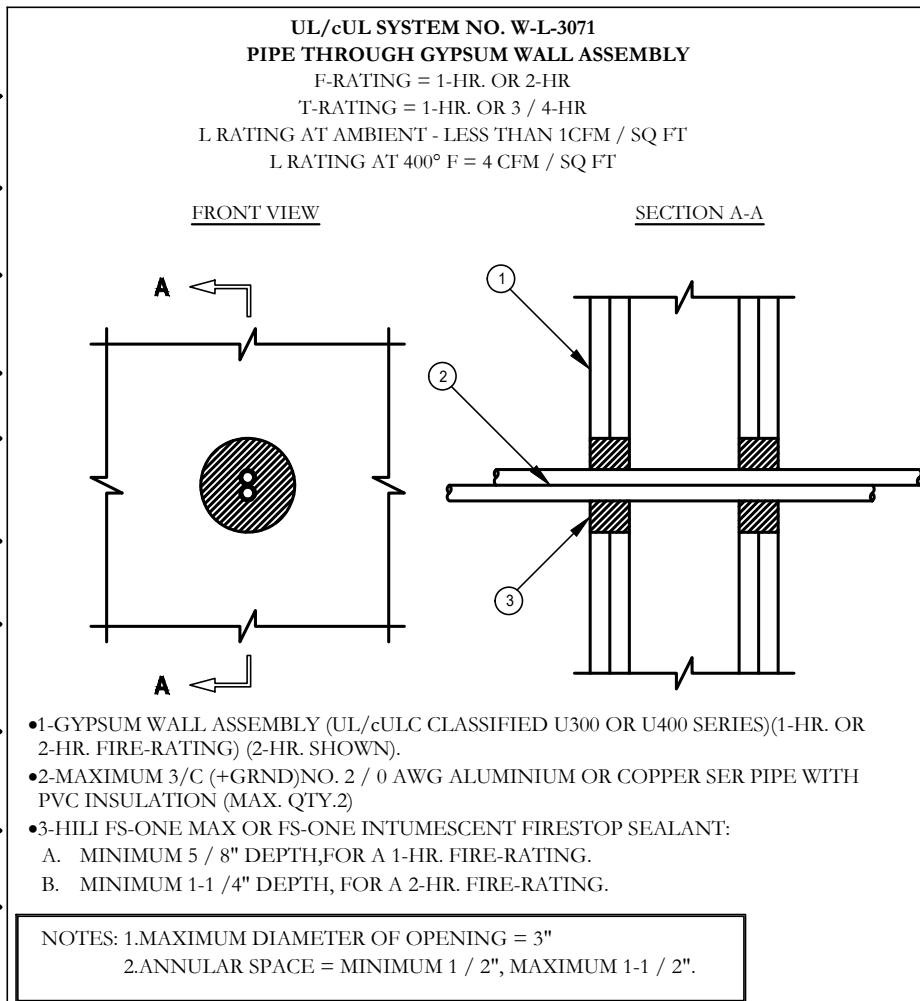
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SCOPE OF WORK

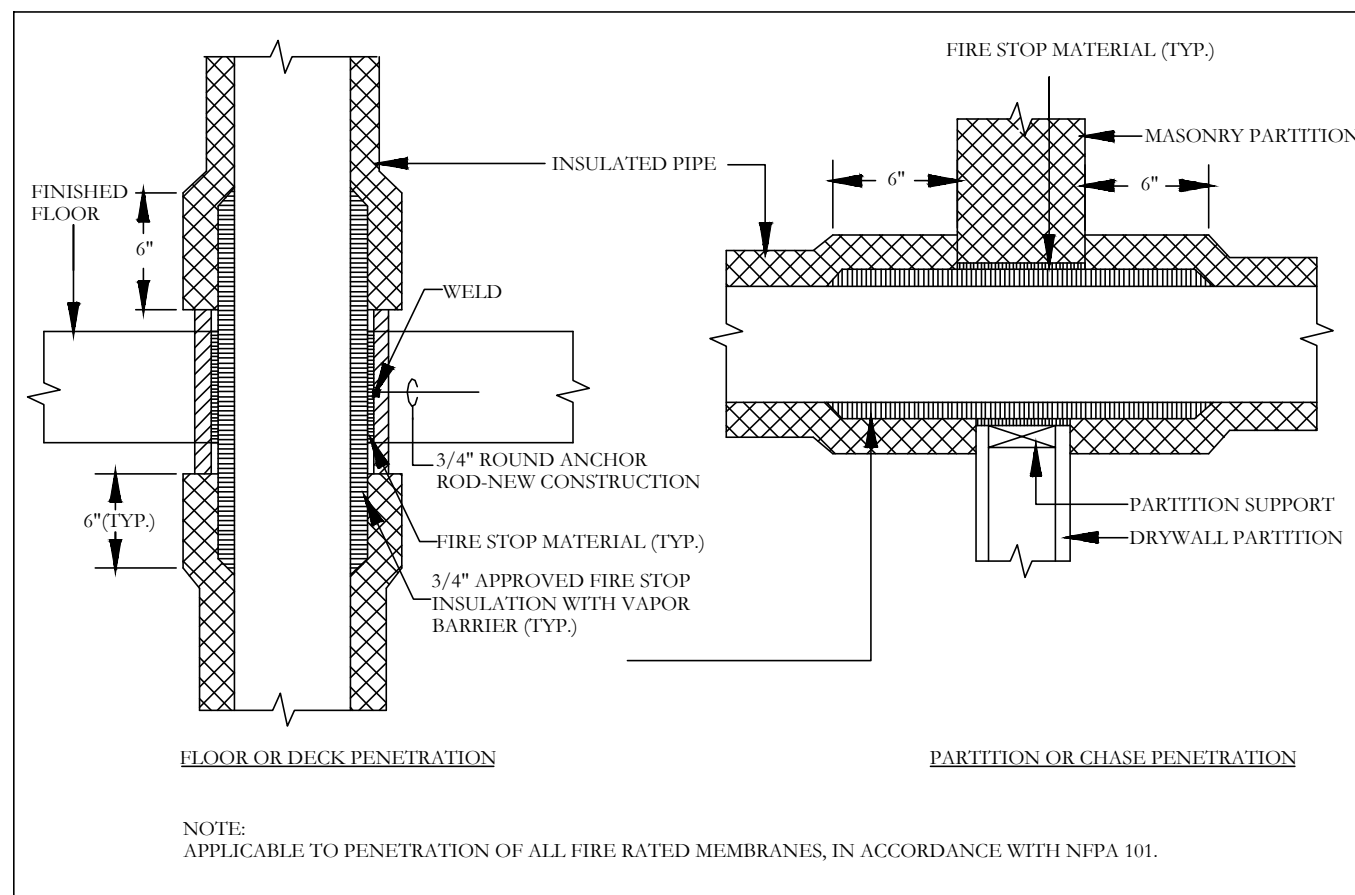
- AS-BUILT BASEMENT ONLY.

ELECTRIC WATER HEATER SCHEDULE

MARK	AREA SERVED	RECOVERY AT 90°F			CAPACITY (GALLONS)	ELECTRIC DATA		REMARKS
		GPH	EWT	IWT		VOLT/PH/Hz	KW	
EWB	ENTIRE HOUSE	21	40	120	40	240/01/60	4.5 KW	AO. SMITH , MODEL: ECT-40-200.

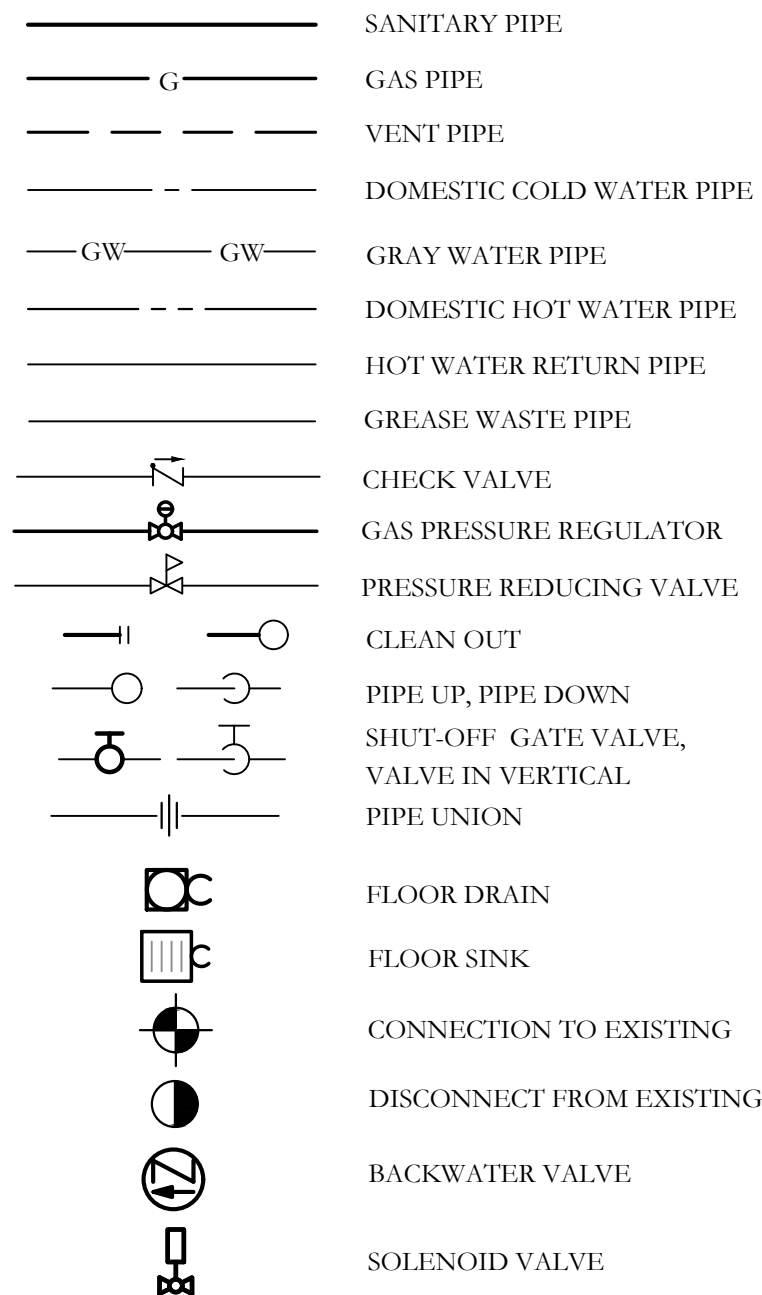


1 PIPES PENETRATION UL SYSTEM DETAIL



2 PIPES PENETRATION DETAIL

PLUMBING SYMBOLS LIST:



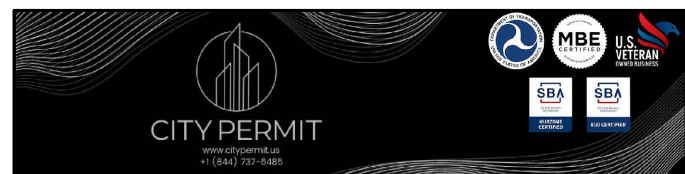
PLUMBING ABBREVIATIONS:

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
HJB	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
GW	GRAY WATER		

A&I Design

703.507.3116

AS BUILT SET



3 Story Town Home

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[illegible]

COVER SHEET

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K

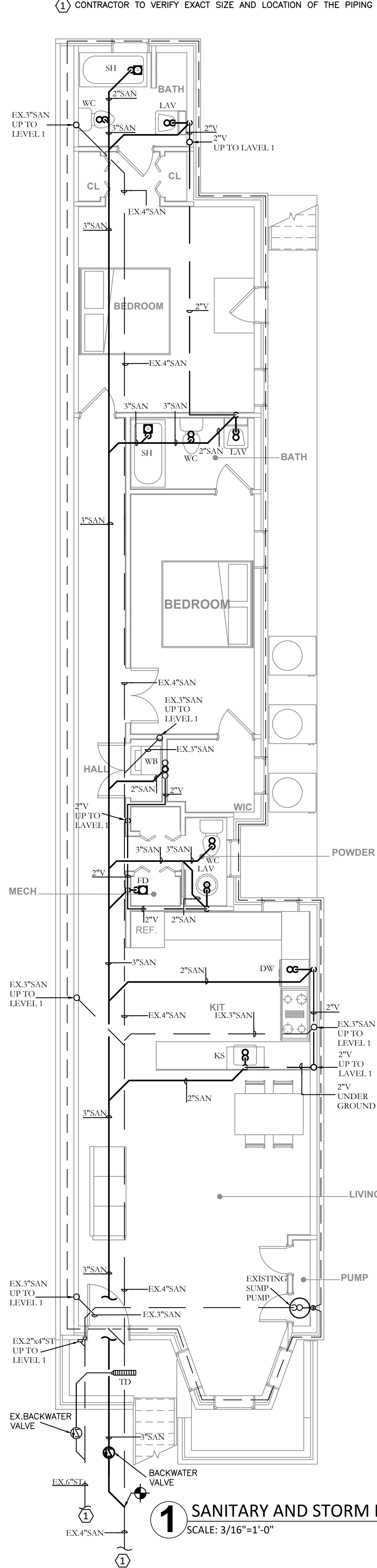
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Scale	$3/16" = 1'-0"$
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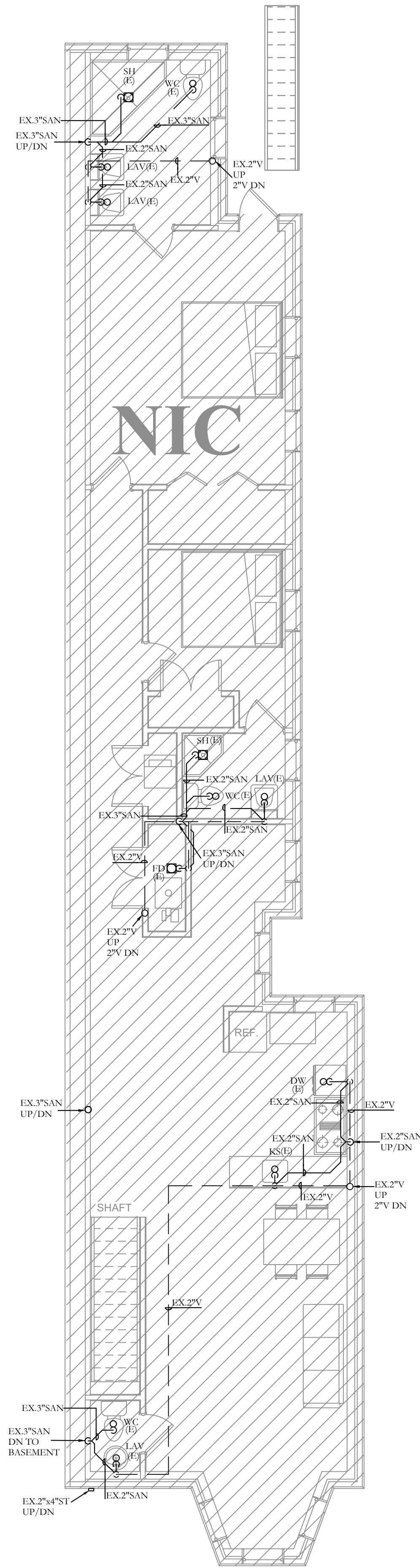
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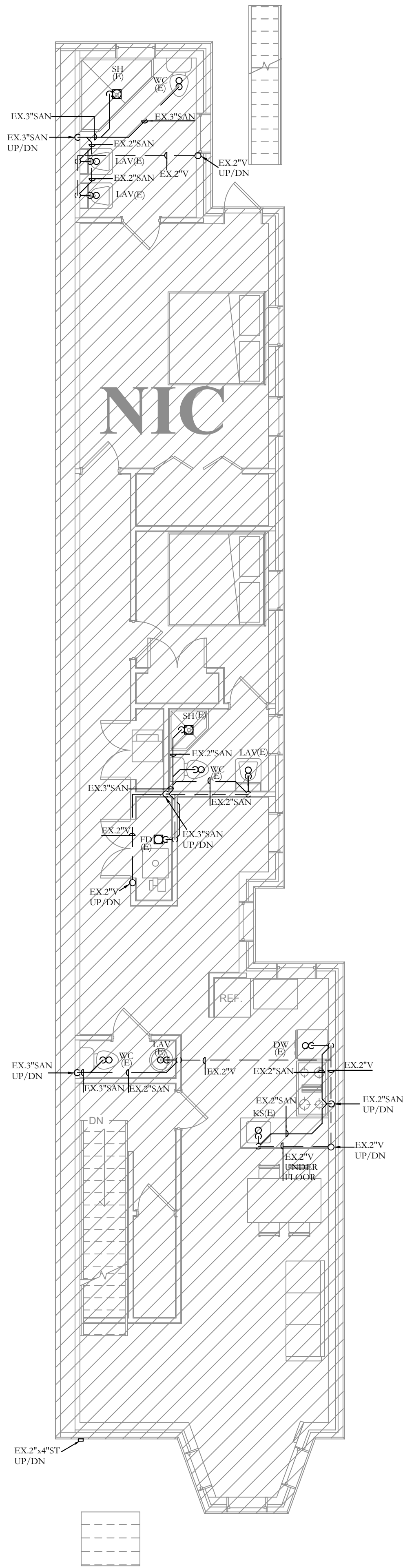
① CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION OF THE PIPING IN THE FIELD.



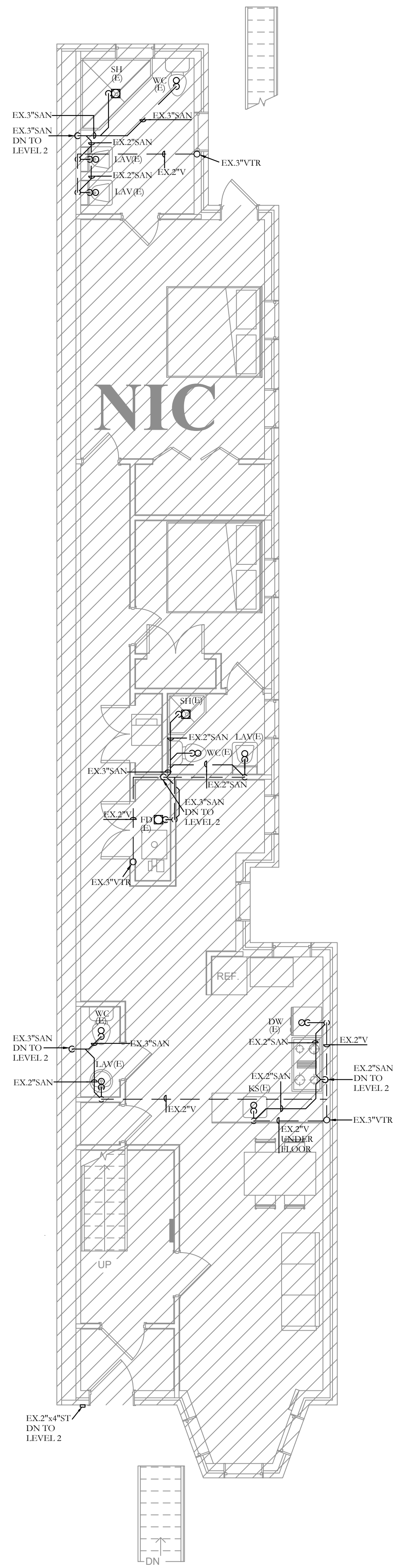
① SANITARY AND STORM BASEMENT FLOOR PLAN
SCALE: 3/16"=1'-0"



② SANITARY AND STORM FLOOR PLAN-LEVEL 1
SCALE: 3/16"=1'-0"



③ SANITARY AND STORM FLOOR PLAN-LEVEL 2
SCALE: 3/16"=1'-0"

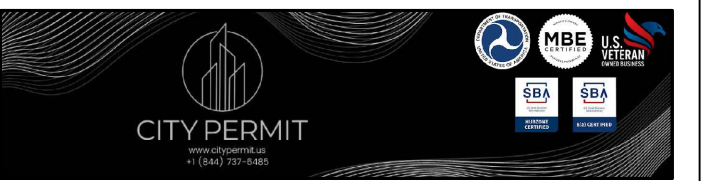


④ SANITARY AND STORM FLOOR PLAN-LEVEL 3
SCALE: 3/16"=1'-0"

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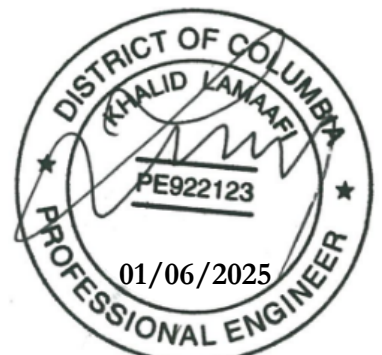


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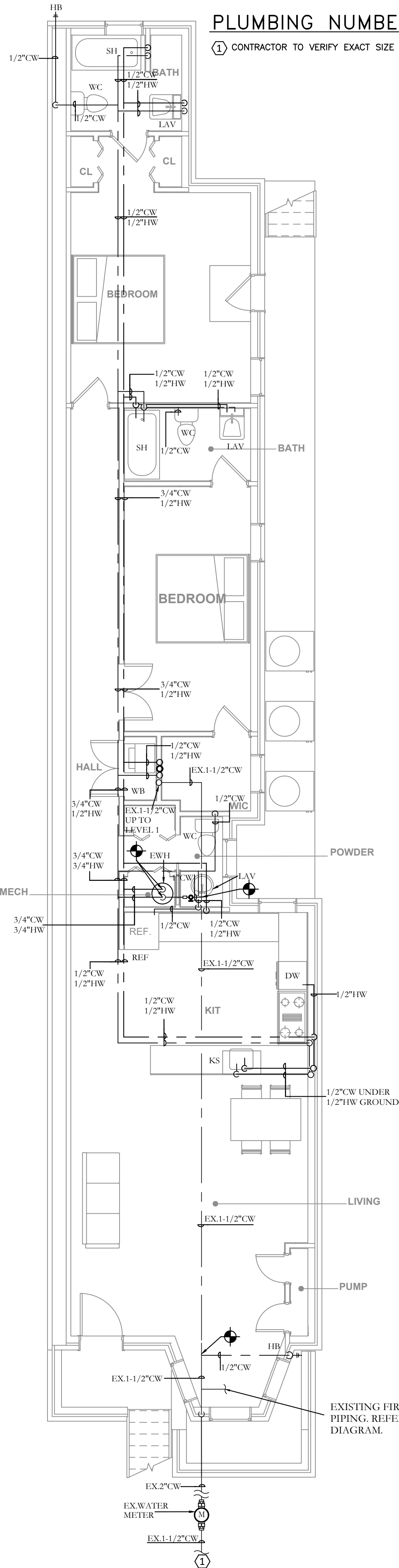
SANITARY AND STORM FLOOR PLANS

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K
Scale	3/16" = 1'-0"



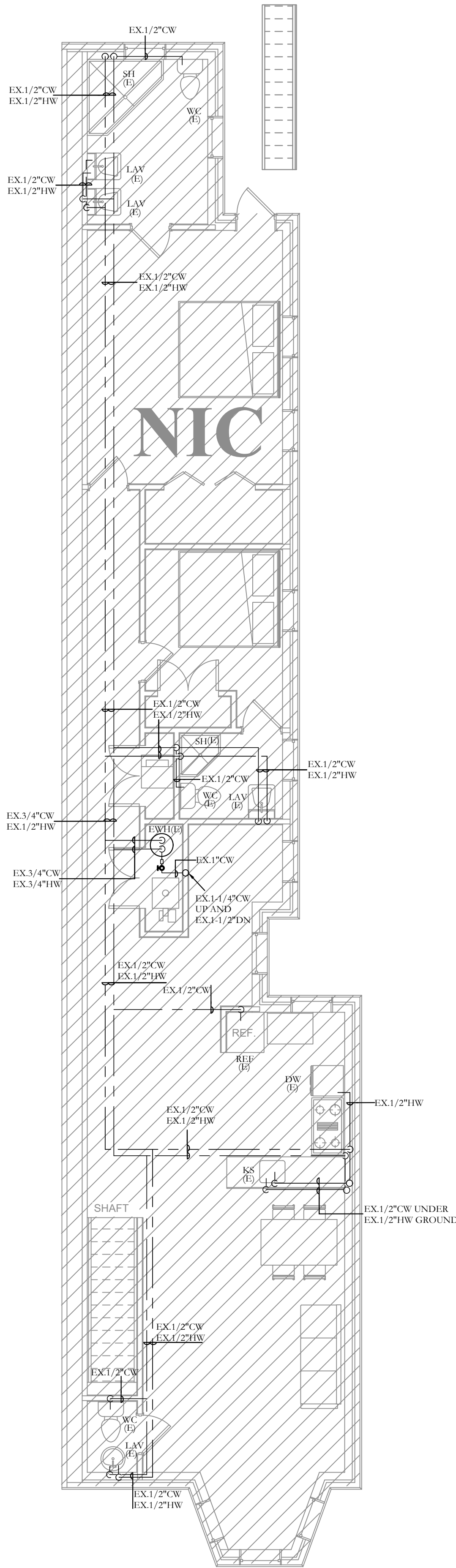
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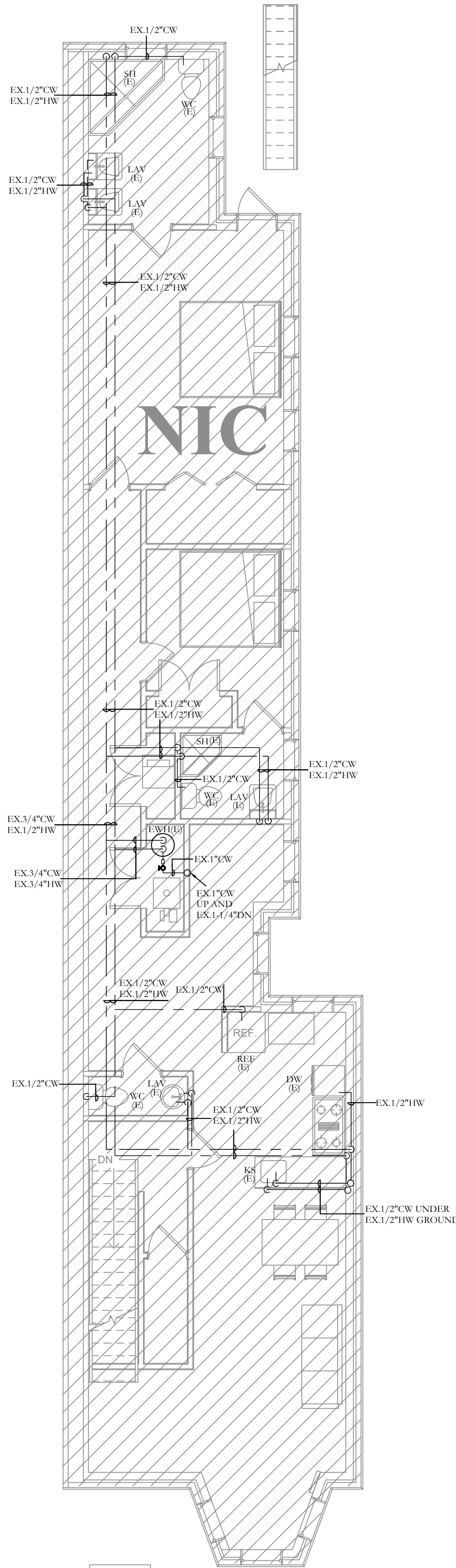


1 DOMESTIC WATER BASEMENT FLOOR PLAN
SCALE: 3/16"=1'-0"

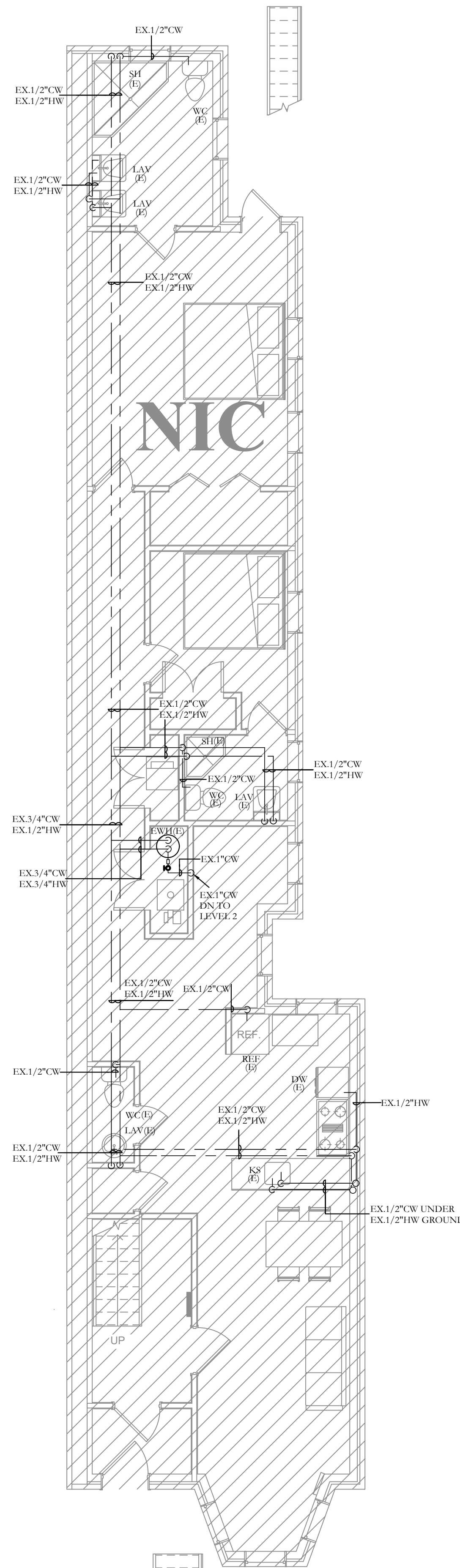
PLUMBING NUMBERED NOTES:
① CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION OF THE PIPING IN THE FIELD.



2 DOMESTIC WATER LEVEL 1 FLOOR PLAN
SCALE: 3/16"=1'-0"



3 DOMESTIC WATER LEVEL 2 FLOOR PLAN
SCALE: 3/16"=1'-0"

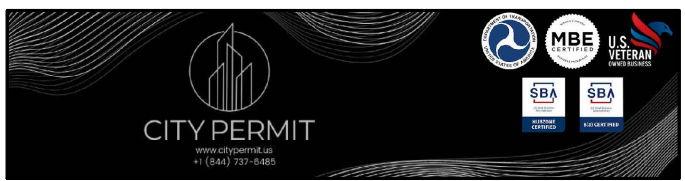


4 DOMESTIC WATER LEVEL 3 FLOOR PLAN
SCALE: 3/16"=1'-0"

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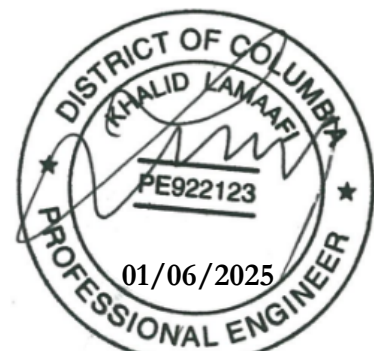


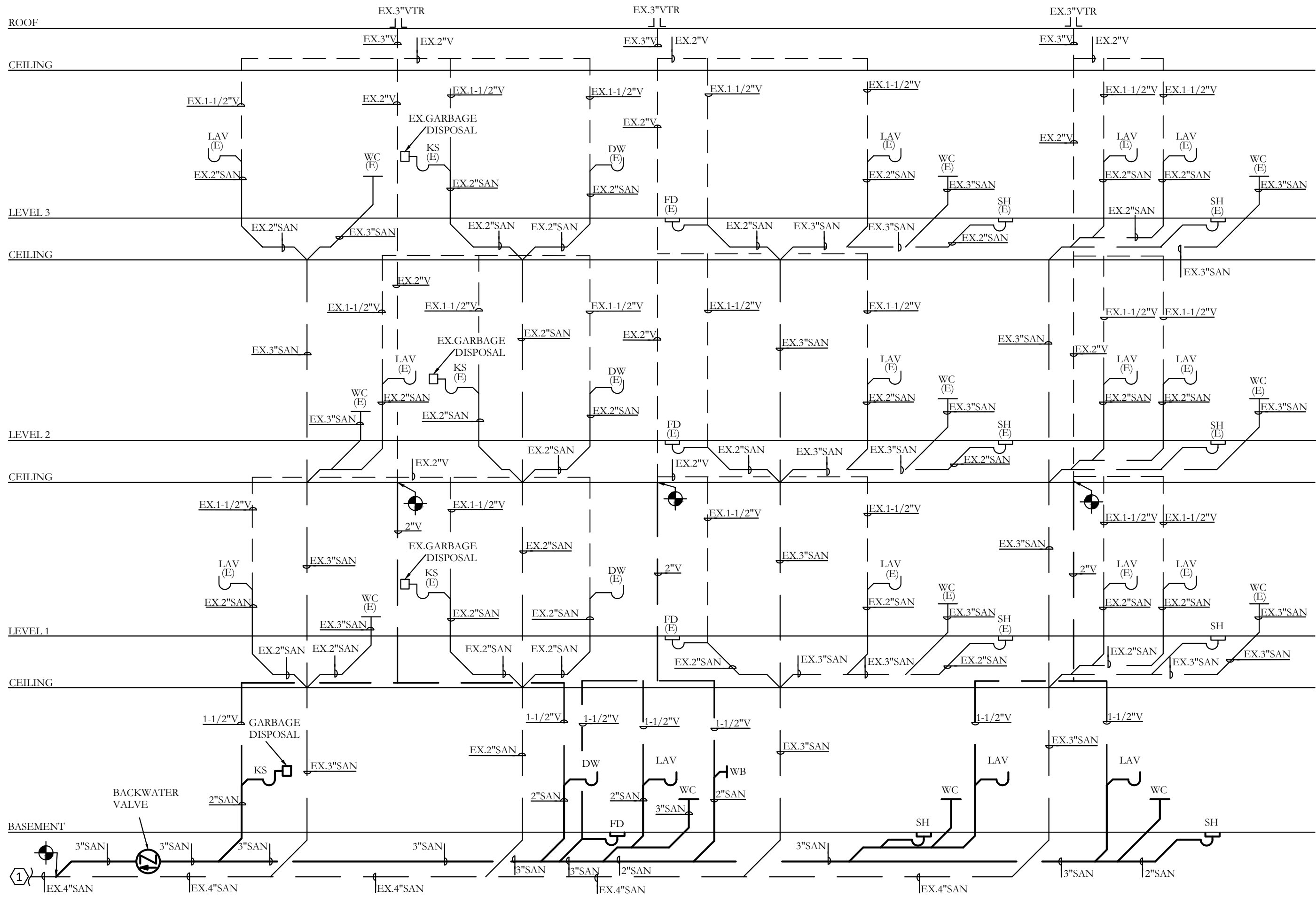
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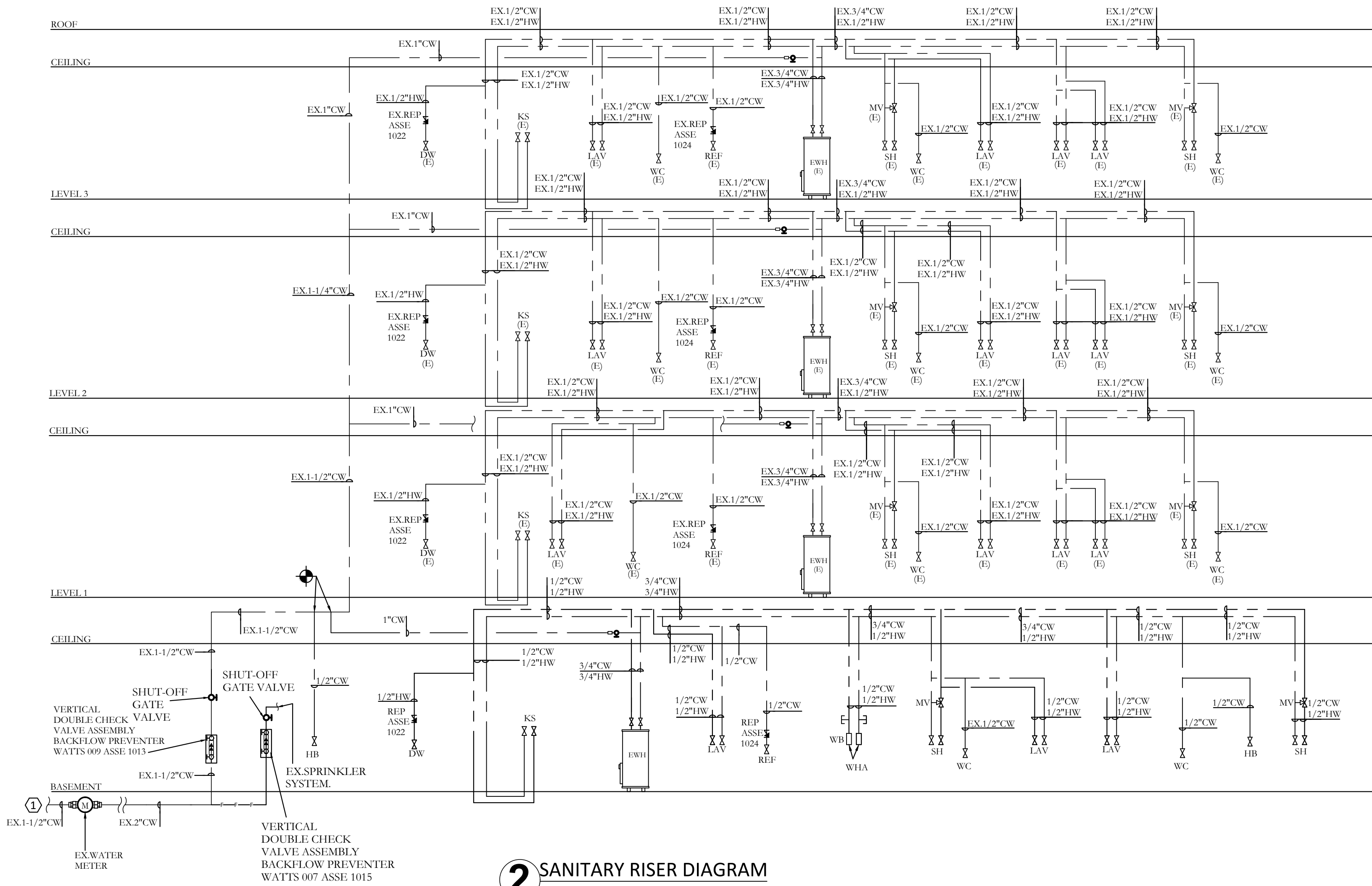
**DOMESTIC WATER
FLOOR PLANS**

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K
Scale	3/16" = 1'-0"





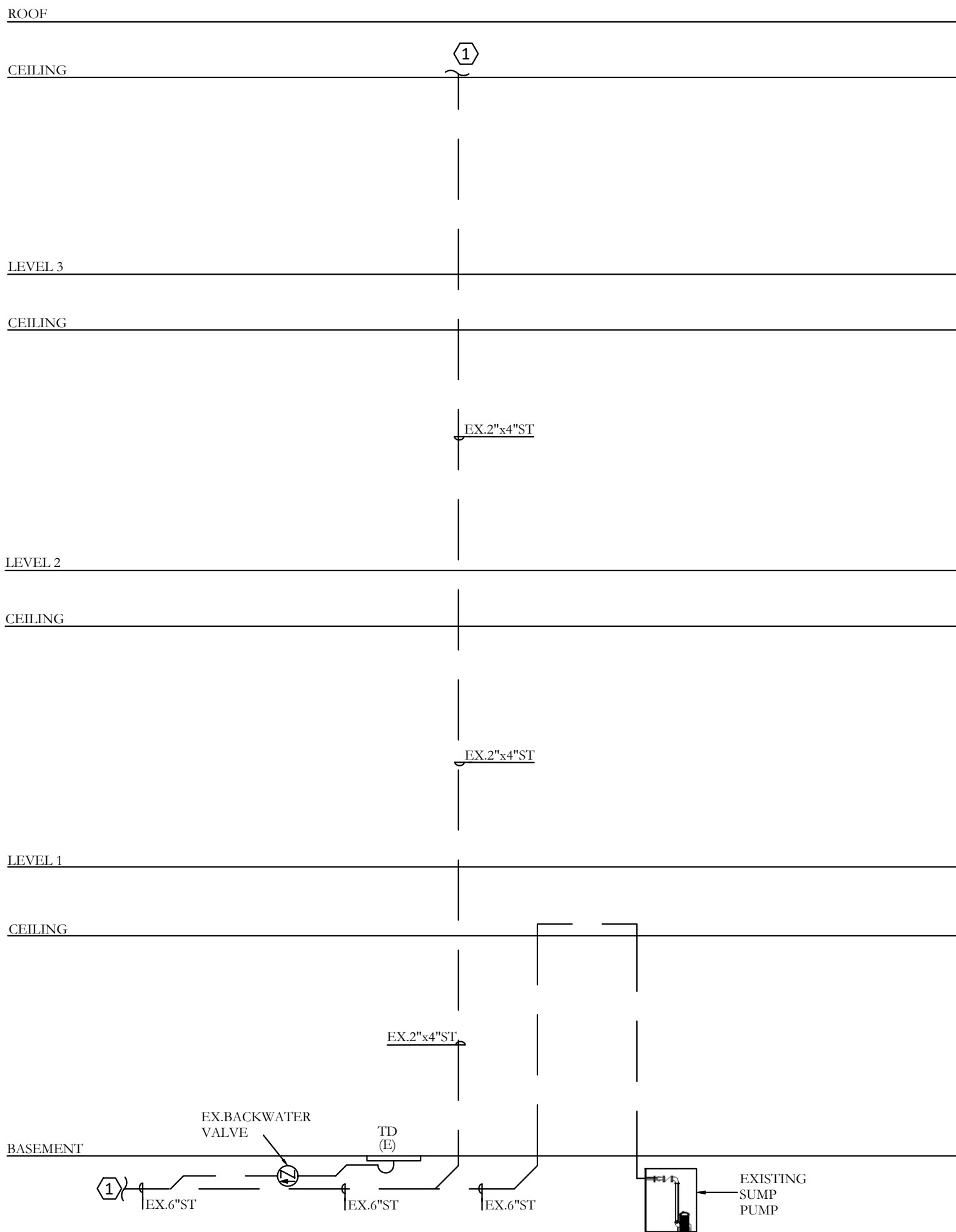
1 SANITARY RISER DIAGRAM
N.T.S.



2 SANITARY RISER DIAGRAM
N.T.S.

PLUMBING NUMBERED NOTES:

1 CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION OF THE PIPING IN THE FIELD.

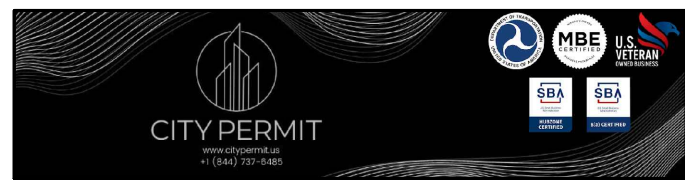


3 STORM RISER DIAGRAM
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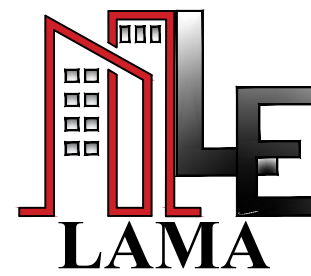
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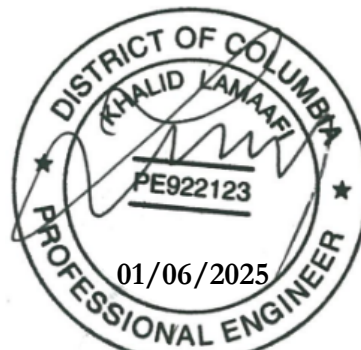


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	Permit comment	01/06/2025

RISER DIAGRAMS

Project number	H096
Date	11/26/2024
Drawn by	S
Checked by	K
Scale	3/16" = 1'-0"



P400

1