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DC ARCHITECT  
 10530 WARWICK AVENUE, SUITE 100  
 FAIRFAX, VA 22030  
 Phone: 703.988.2550 • Email: info@dcarchitect.com  
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1125 7th St NE - STONY CREEK HOMES  
 GENERAL NOTES - PANEL SCHEDULE



DRAWN BY:  
 MCR  
 DATE: 03/10/17  
 REV No. DATE  
 004 04/16/18

01.01.17

SHEET No.  
**E.00**  
 Board of Building Adjustment  
 District of Columbia  
 CASE NO. 19650  
 EXHIBIT NO. 072

PANELBOARD PB		MLO		X Equipment Ground Bus		Poles: 42		Min CB IC: 10k			
Voltage: 240/120V, 1Ø, 3W		X MCB 250 A		Isolated Ground Bus		Mtg: Flush		Comments:			
Main Bus: 250 A											
Ckt #	Serves	Load VA	Breaker P	Trip	Phase		Breaker Trip P	Load VA	Serves	Ckt #	
					A	B					
1	REC - BEDROOM	720	1	20*		1620	20*	1	900	REC - BEDROOM	2
3	REC - BATHROOM	900	1	20			20*	1	900	REC - BEDROOM	4
5	REC - LIVING ROOM	900	1	20*		1800	20*	1	900	REC - BEDROOM	6
7	REC - KITCHEN	1500	1	20			20	1	1260	REC - OUTDOOR	8
9	ELECTRIC HEATER	1000	2	20**		1980	20**	1	980	INDOOR MECH UNIT	10
11		1000					20*	1	1400	LIGHTS	12
13	REC - KITCHEN	1500	1	20		2700	20	1	1200	DISHWASHER	14
15	REC - REFRIGERATOR	960	1	20		1140	20	1	180	GAS RANGE	16
17	DISPOSAL	600	1	20		4400	40**	2	3800	REC - WASHER/DRYER	18
19	HOOD / MICROWAVE	1500	1	20		5300			3800		20
21	REC - KITCHEN	1500	1	20		2100	20*	1	600	SMOKE DETECTORS	22
23	REC - SUMP PUMP	750	1	20		750	20	1		SPARE	24
25	LIGHTS	1900	1	20*		2260	20	1	360	REC - KITCHENETTE	26
27	LIGHTS	1700	1	20*		2450	20**	1	750	GAS WATER HEATER	28
29	REC - LIVING ROOM	1080	1	20*		2280	20	1	1200	DISHWASHER	30
31	REC - DEN	720	1	20*		1440	20*	1	720	REC - BEDROOM	32
33	OUTDOOR COMPRESSOR	2016	2	35**		2016	20	1		SPARE	34
35		2016				2016	20	1		SPARE	36
37	MINI-SPLIT SYSTEM	2880	2	40**		2880				SPACE	38
39		2880				2880				SPACE	40
41	SPACE					1600	20*	1	1600	LIGHTS	42
Total Connected Load (VA)		48572				25636 22936 (VA/Phase)		106.8 95.6 (Amps/Phase)		202.4 Total Connected Load (Amps)	

\* - ARC-FAULT BREAKER  
 \*\* - COORDINATE BREAKER SIZE AND PLUG CONFIGURATION WITH EQUIPMENT MANUFACTURER

**A** UNIT #1 PANEL SCHEDULE (PB)  
 SCALE: 1/4" = 1'-0"

PANELBOARD P1		MLO		X Equipment Ground Bus		Poles: 42		Min CB IC: 10k			
Voltage: 240/120V, 1Ø, 3W		X MCB 250 A		Isolated Ground Bus		Mtg: Flush		Comments:			
Main Bus: 250 A											
Ckt #	Serves	Load VA	Breaker P	Trip	Phase		Breaker Trip P	Load VA	Serves	Ckt #	
					A	B					
1	REC - BEDROOM	720	1	20*		1620	20*	1	900	REC - BEDROOM	2
3	REC - BATHROOM	1260	1	20		2160	20*	1	900	REC - BEDROOM	4
5	REC - LIVING ROOM	1080	1	20*		1800	20*	1	720	REC - BEDROOM	6
7	REC - KITCHEN	1500	1	20		2760	20	1	1260	REC - OUTDOOR	8
9	SPARE		1	20		980	20**	1	980	INDOOR MECH UNIT	10
11	SPARE		1	20		1700	20*	1	1700	LIGHTS	12
13	REC - KITCHEN	1500	1	20		2700	20	1	1200	DISHWASHER	14
15	REC - REFRIGERATOR	960	1	20		1140	20	1	180	GAS RANGE	16
17	DISPOSAL	600	1	20		600	20	1		SPARE	18
19	HOOD / MICROWAVE	1500	1	20		5300	20*	1	600	SMOKE DETECTORS	20
21	REC - KITCHEN	1500	1	20		2100	40**	2	3800	REC - WASHER/DRYER	22
23	REC - SUMP PUMP	750	1	20		4550			3800		24
25	LIGHTS	1800	1	20*		2160	20	1	360	REC - KITCHENETTE	26
27	LIGHTS	1800	1	20*		2550	20**	1	750	GAS WATER HEATER	28
29	REC - LIVING ROOM	1080	1	20*		2280	20	1	1200	DISHWASHER	30
31	REC - DEN	900	1	20*		1620	20*	1	720	REC - BEDROOM	32
33	OUTDOOR COMPRESSOR	2016	2	35**		2016	20	1		SPARE	34
35		2016				2016	20	1		SPARE	36
37	SPACE					2880	40**	2	2880	MINI-SPLIT SYSTEM	38
39	SPACE					2880			2880		40
41	SPACE					1500	20*	1	1500	LIGHTS	42
Total Connected Load (VA)		47312				23836 23476 (VA/Phase)		99.3 97.8 (Amps/Phase)		197.1 Total Connected Load (Amps)	

\* - ARC-FAULT BREAKER  
 \*\* - COORDINATE BREAKER SIZE AND PLUG CONFIGURATION WITH EQUIPMENT MANUFACTURER

**B** UNIT #2 PANEL SCHEDULE (P1)  
 SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

VERIFY MOUNTING HEIGHTS AND PLACEMENT OF ALL DEVICES BY REFERRING TO ARCHITECTURAL PLAN, ELEVATION AND DETAILS.

CONTRACTOR TO COORDINATE POWER OUTLET AND TELECOMMUNICATIONS EXACT LOCATIONS WITH THE FINAL FURNITURE LAYOUT.

CONTRACTOR TO INSURE CIRCUIT CONDUCTORS ARE INCREASED AS NECESSARY DUE TO VOLTAGE DROP.

ELECTRICAL CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIER FOR INSTALLATION PRIOR TO ROUGH-IN.

ALL ELECTRICAL MATERIALS AND EQUIPMENT INSTALLED IN LOCATION EXPOSED TO MOISTURE OR THE ELEMENT SHALL BE WEATHERPROOF.

PROVIDE ALL CONDUITS FOR COMMUNICATIONS WITH CAT 5 DATA/TELEPHONE CABLE COORDINATE WITH OWNER FOR FINAL CONNECTIONS.

PROVIDE ALL CONDUIT FOR TV WITH COAXIAL CABLE COORDINATE WITH LOCAL SUPPLIER FOR TYPE OF CABLE COORDINATE WITH OWNER FOR FINAL CONNECTIONS.

ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY 240V RATED NEMA 1 IN DRY LOCATION, NEMA 3R WHERE INSTALLED IN ANY LOCATION EXPOSED TO THE ELEMENTS. CONTRACTOR SHALL PROVIDE FUSED DISCONNECT WITH WITH FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.

ALL LIGHTING FIXTURES TO BE APPROVED BY THE ARCHITECT/OWNER PRIOR TO ORDERING AND INSTALLING.

ARCHITECT TO SELECT COLOR OF LIGHTING FIXTURES AND COORDINATE WITH ARCHITECTURAL REFLECTED CEILING AND ELEVATION PLANS FOR LOCATION AND MOUNTING HEIGHTS.

ELECTRICAL CONTRACTOR TO COORDINATE ALL MECHANICAL EQUIPMENT POWER REQUIREMENT, EXACT LOCATION AND QUANTITY WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

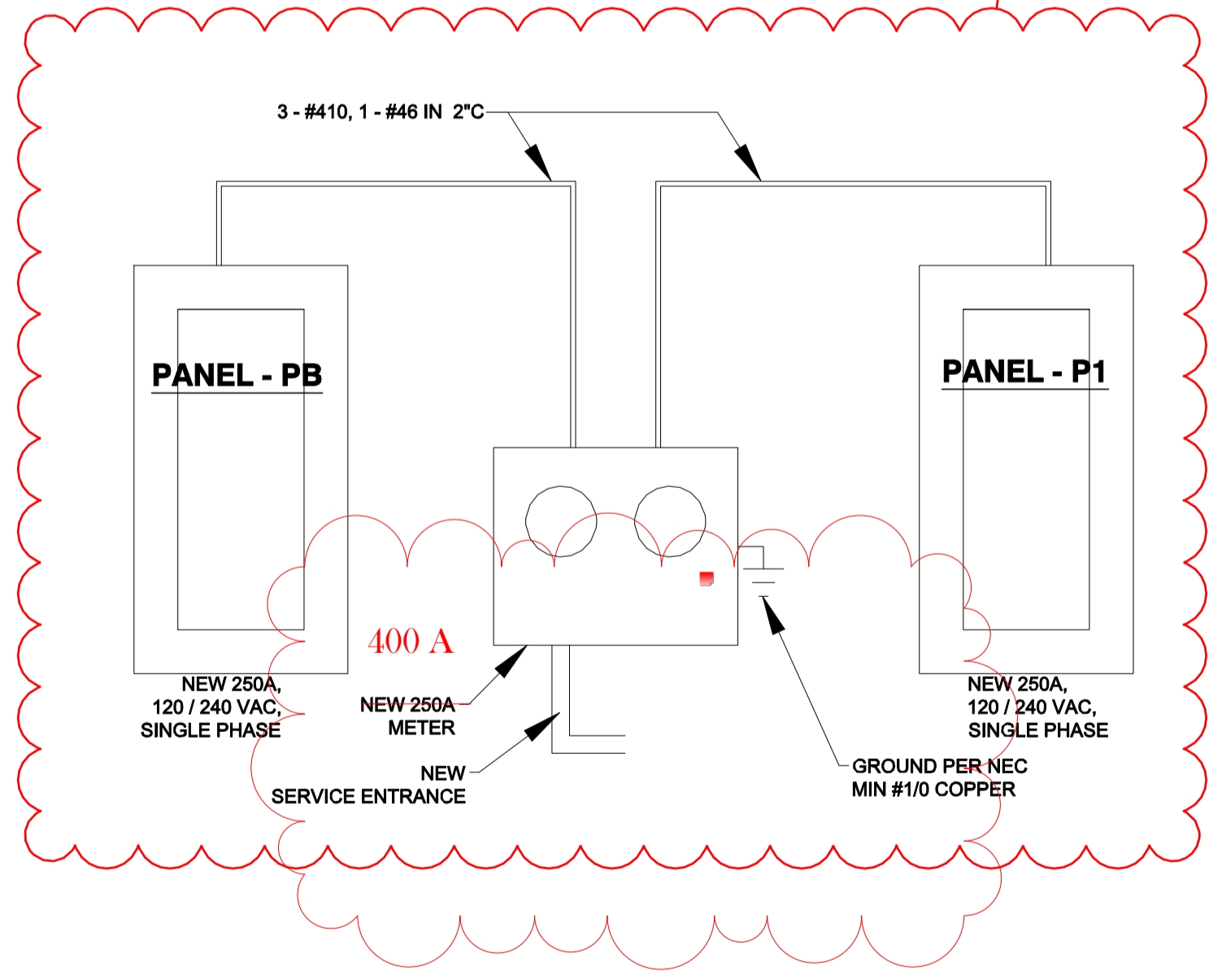
ELECTRICAL CONTRACTOR TO PROVIDE HACR TYPE CIRCUIT BREAKER MECHANICAL UNIT AND ARC-FAULT CIRCUIT INTERRUPTER FOR CIRCUIT BREAKER SERVING RECEPTACLES IN THE BEDROOM.

ELECTRICAL CONTRACTOR TO COORDINATE WITH UTILITY SERVICE FOR METERING UNIT REQUIREMENT.

**ABBREVIATIONS**

CONTR. COORDINATE	R. RISER
DWG. DRAWING	R.A. RETURN AIR
E.A. EACH	R.C.P. RECESSED CEILING PLAN
ELEV. ELEVATION	R.H. RIGHT HAND
ELECT. ELECTRICAL	R.O. ROOF OPENING
EQ. EQUAL	R.S. ROD AND SHELF
EQUIP. EQUIPMENT	R.S.D. RECESSED
EXIST. EXISTING	REC. RECESSED
GEN. GENERAL	REF. REFRIGERATOR
GFI. GROUND FAULT INTERRUPTER	REQ. REQUIRED
HGT. HEIGHT	REV. REVISION
J.B. JUNCTION BOX	R.M. ROOM
L.T. LIGHT	SCH. SCHEDULE
M.D. METRON DETECTOR	SPE. SPARE
M.E. MECHANICAL	TYP. TYPICAL
MET. METAL	U.O.N. UNLESS OTHERWISE NOTED
M.F. MANUFACTURER	
M.N. MINIMUM	
M.T.D. MOUNTED	
N.L.C. NOT IN CONTRACT	
N.T.S. NOT TO SCALE	
N.N. NATIONAL	
NEC. NECESSARY	
NO.9 NUMBER	

NOTE: 75% OF LIGHT LAMPS SHALL BE HIGH EFFICIENCY



- ELECTRICAL SYMBOLS**
- STANDARD SWITCH - SET 38" A.F.F. - U.N.O.
  - DUAL SWITCH STACK - SET 38" A.F.F. - U.N.O.
  - 3-WAY SWITCH - SET 38" A.F.F. - U.N.O.
  - 4-WAY SWITCH - SET 38" A.F.F. - U.N.O.
  - CONVENIENCE OUTLET @ 12" A.F.F. - U.N.O. (AFCI)
  - CONV. OUTLET- SET 42" A.F.F. - U.N.O.
  - CONV. OUTLET- GROUND FAULT INTERRUPT
  - CONV. OUTLET- ABOVE SET 42" A.F.F. - GROUND FAULT INTERRUPT
  - CONV. OUTLET- WATERPROOF - GROUND FAULT INTERRUPT
  - CONVENIENCE OUTLET - 1/2 SWITCHED 12" A.F.F.
  - GARAGE DOOR OPENER
  - FLOOR OUTLET
  - 220V 220V OUTLET
  - DISHWASHER OUTLET
  - TELEVISION OUTLET
  - TELEPHONE OUTLET
  - DOOR CHIMES
  - CONTROL CONSOLE
  - CEILING FAN PREWIRE PROVIDE ADEQUATE SUPPORT
  - CEILING FAN/LIGHT PREWIRE PROVIDE ADEQUATE SUPPORT
  - LIGHT FIXTURE
  - LIGHT FIXTURE WITH PULL CHAIN
  - SURFACE MOUNTED LIGHT FIXTURE
  - SURFACE MOUNTED LIGHT FIXTURE WITH PULL CHAIN
  - FAN - VENT TO EXTERIOR
  - FAN/LIGHT COMBO - VENT TO EXTERIOR
  - FAN-LIGHT COMBO VENT TO EXT.
  - DOORBELL - SET 32" A.F.F.
  - RECESSED LIGHT FIXTURE
  - OPTIONAL RECESSED LIGHT FIXTURE
  - THERMOSTAT
  - ELECTRICAL PANEL
  - ELECTRICAL METER
  - FLOURESCENT LIGHT
  - FLOOD LIGHT
  - S.M.O. SMOKE DETECTOR - AC POWERED, INTERCONNECTED W/ BATTERY BACK-UP - LOCATE 4'-0" MIN. FROM RA REGISTERS (LOCATE @ HIGHEST POINT OF A VOLUME CEILING)
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  - ELECTRICAL RUN
  - OPT. ELECTRICAL RUN

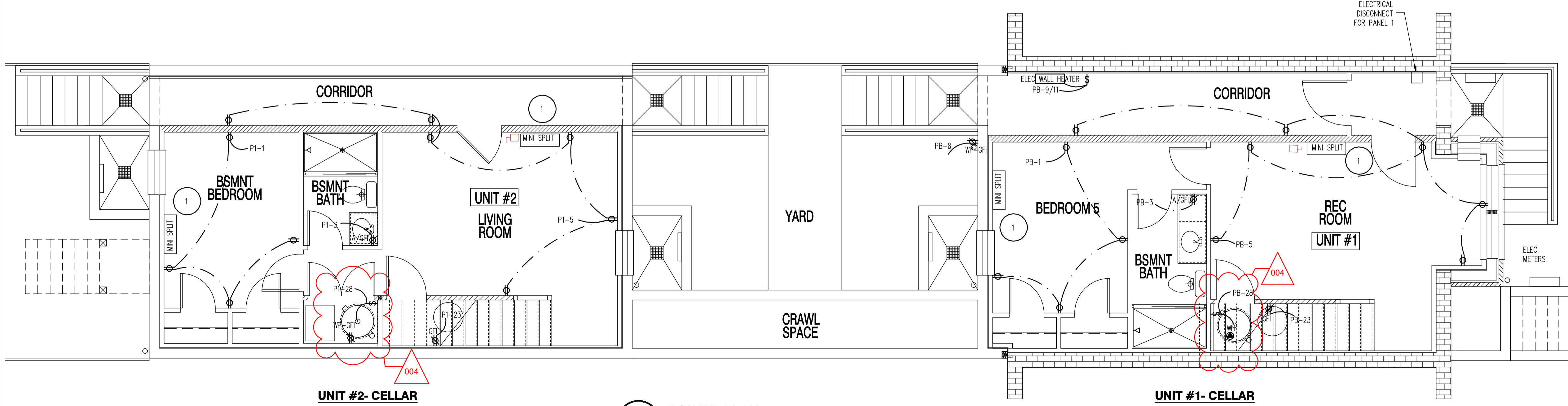
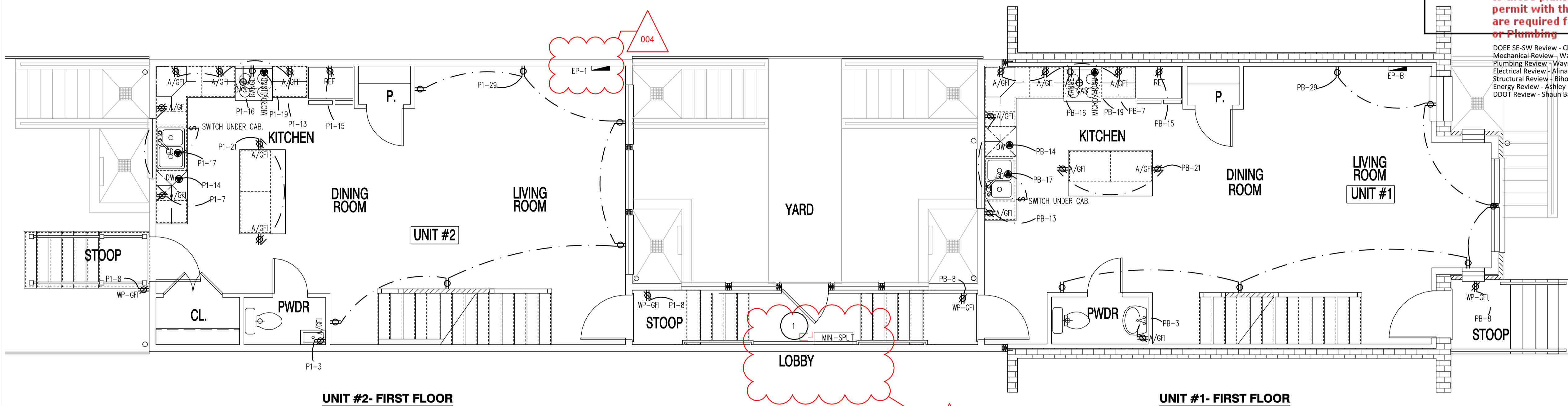
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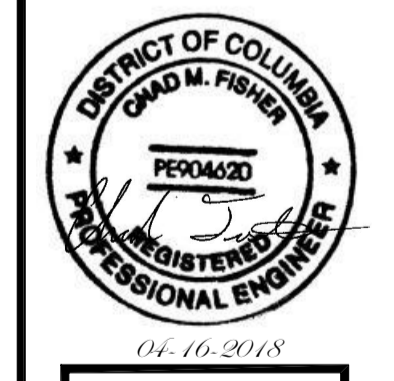


**A POWER PLAN**  
SCALE: 1/4" = 1'-0"

1 PROVIDE INTERCONNECTING WIRING FROM OUTDOOR UNIT 004

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

**1125 7th St NE - STONY CREEK HOMES**  
**POWER PLAN - CELLAR & 1ST**



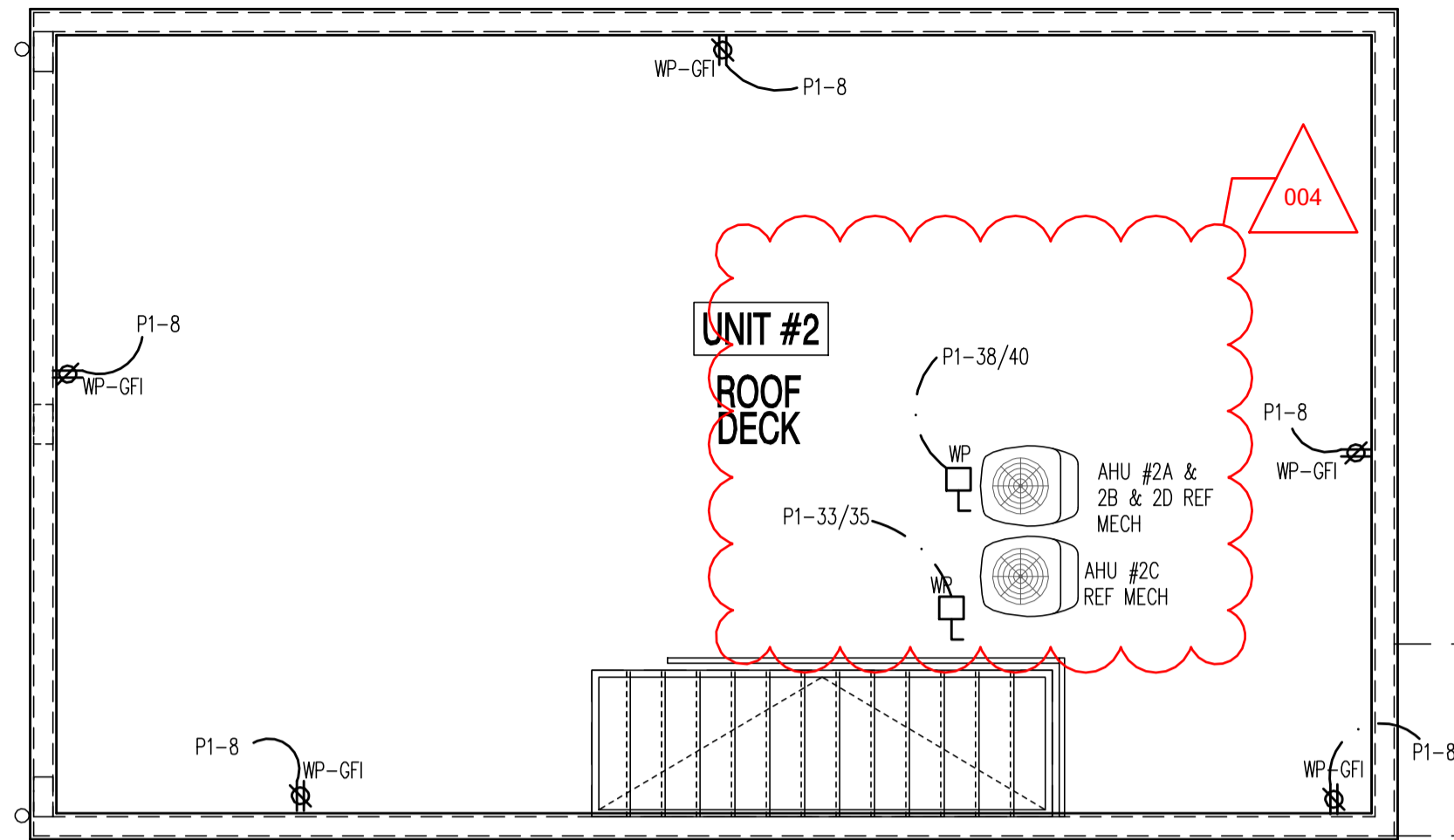
DRAWN BY: MCR  
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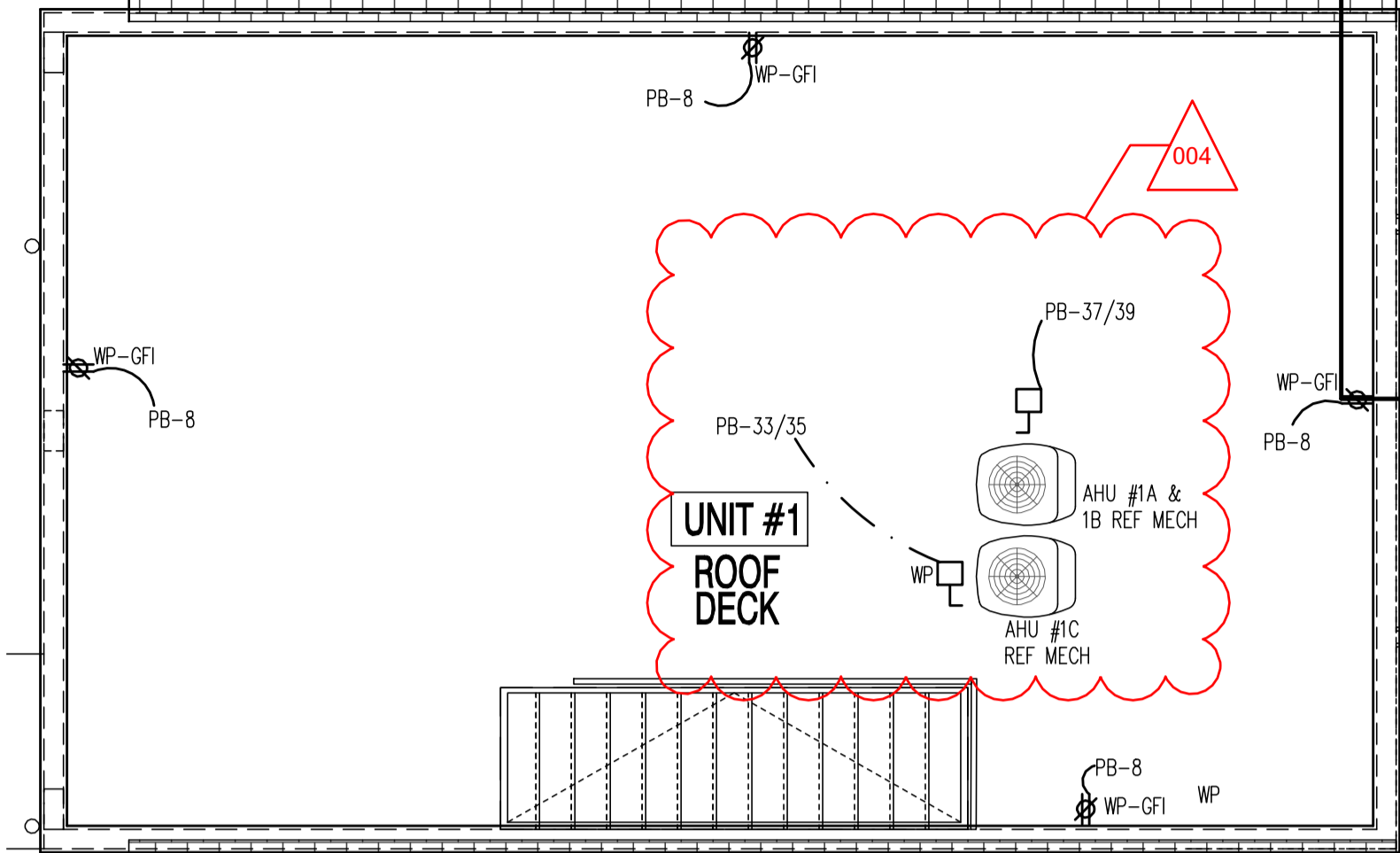
SHEET No. E.01

**ELECTRICAL SYMBOLS**

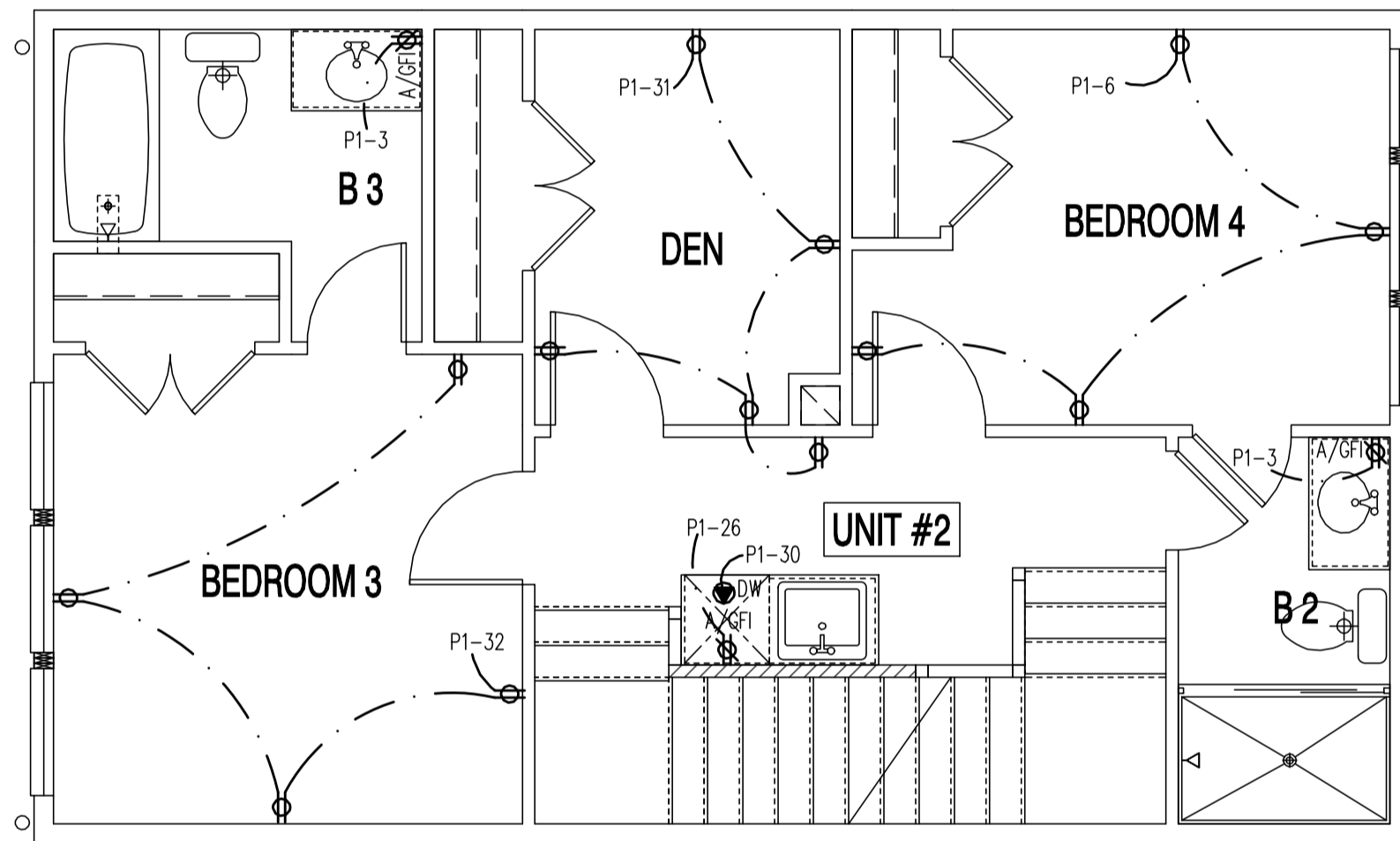
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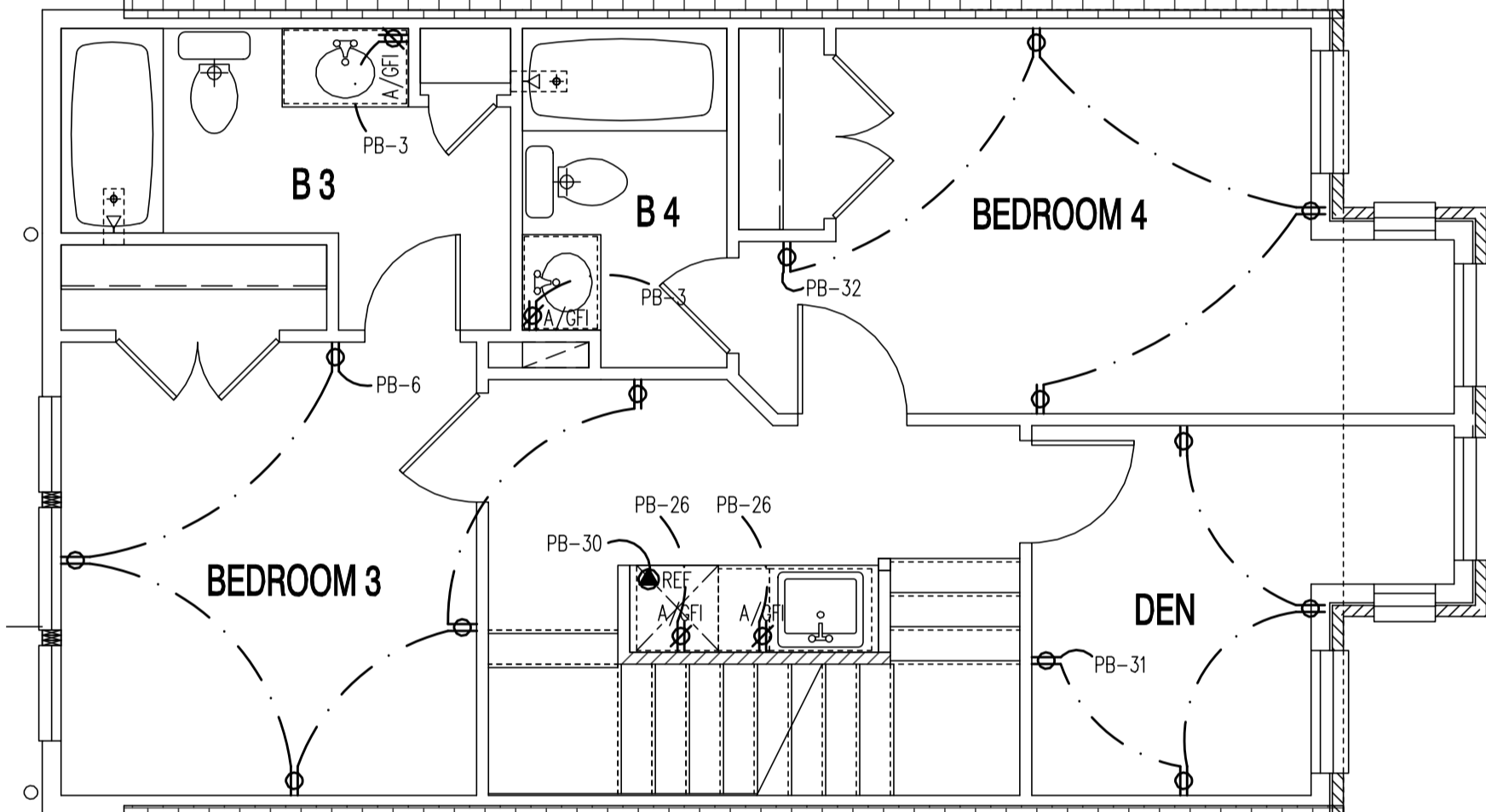
**UNIT #2-ROOF DECK**



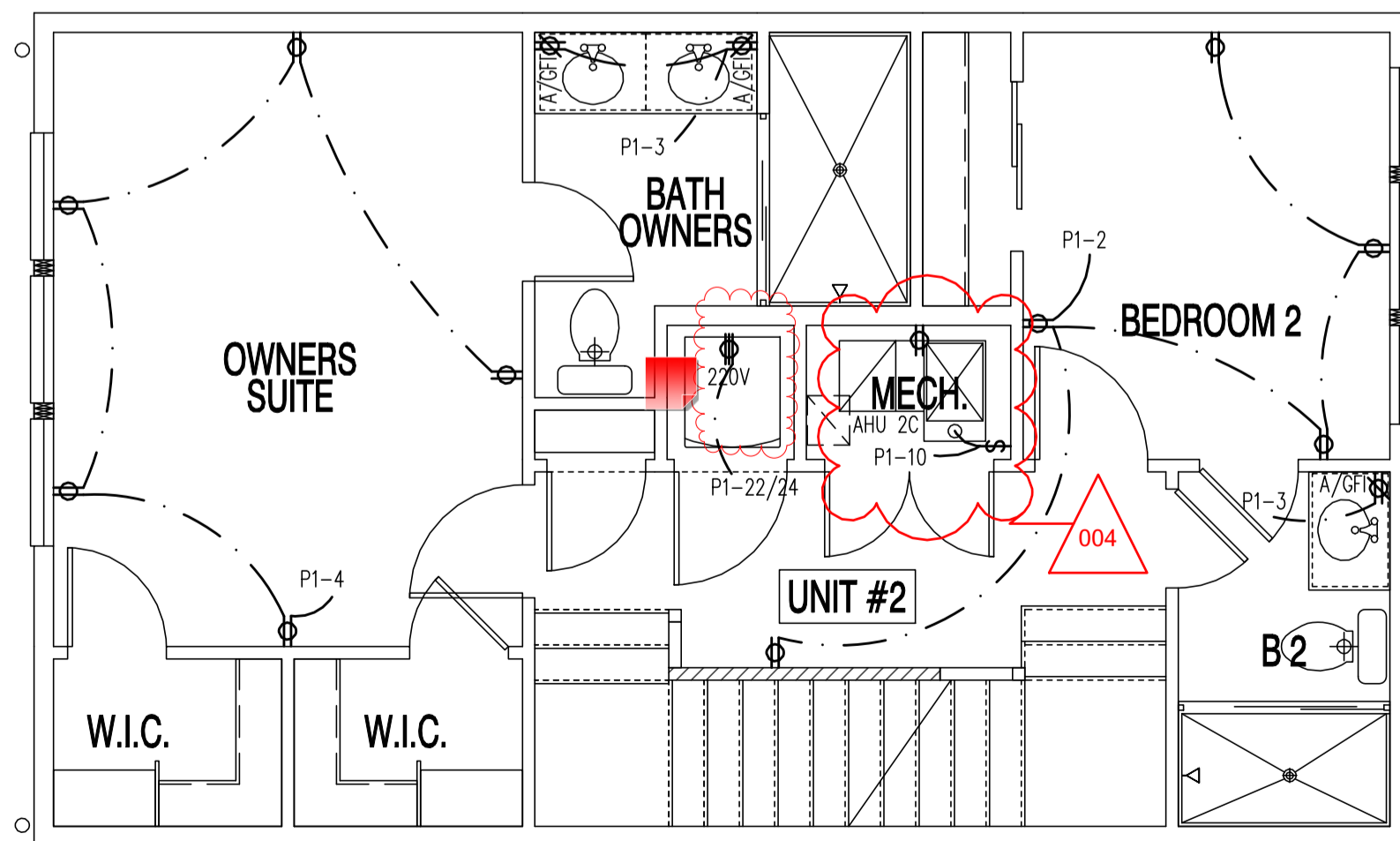
**UNIT #1-ROOF DECK**



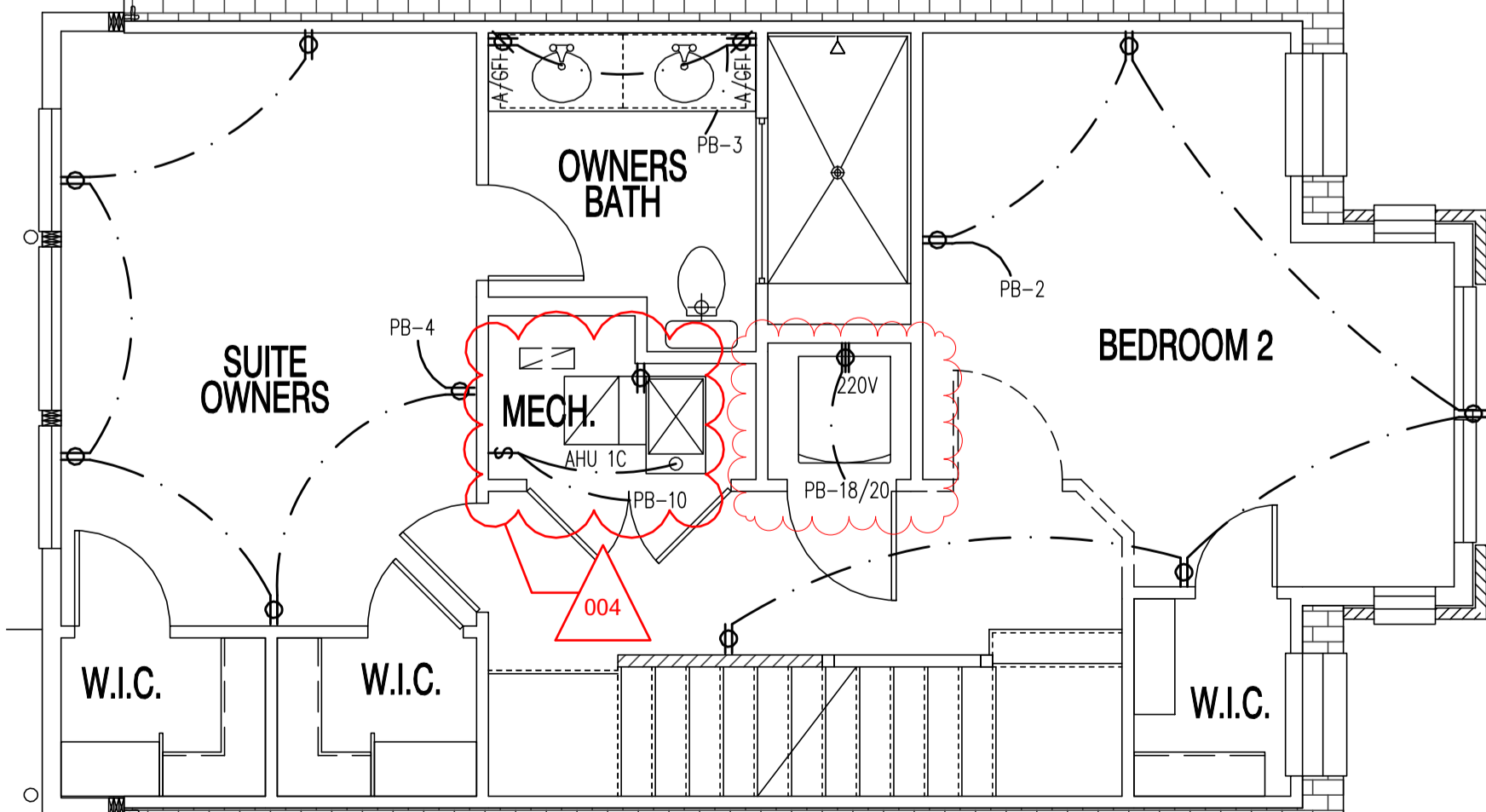
**UNIT #2-THIRD FLOOR**



**UNIT #1-THIRD FLOOR**



**UNIT #2-SECOND FLOOR**



**UNIT #1-SECOND FLOOR**

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1125 7th St NE - STONY CREEK HOMES  
POWER PLAN - 2ND & 3RD



DRAWN BY:  
MCR  
DATE: 03/10/17  
REV No. DATE  
004 04/16/18

01.01.17

SHEET No.  
E.02

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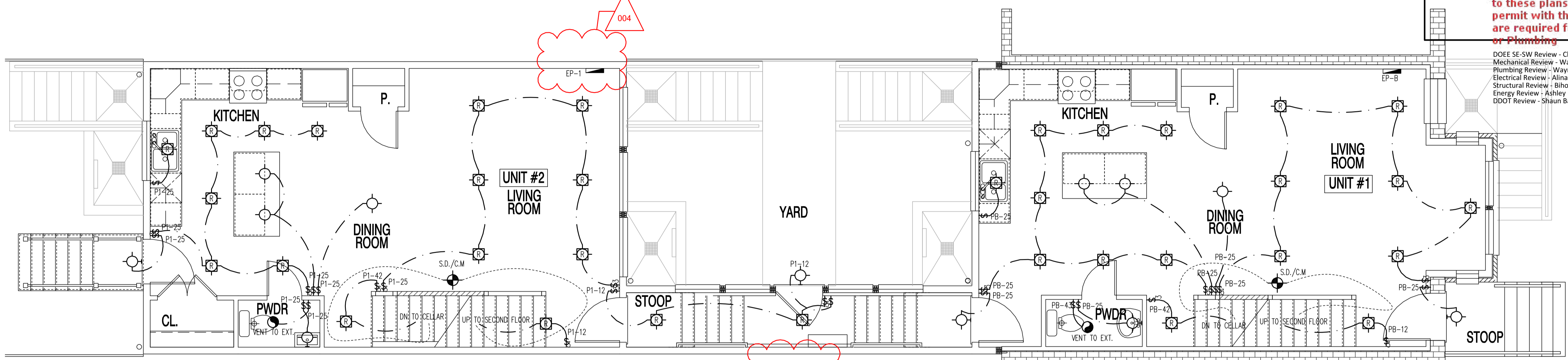
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- ELECTRICAL RUN
- OPT. ELECTRICAL RUN

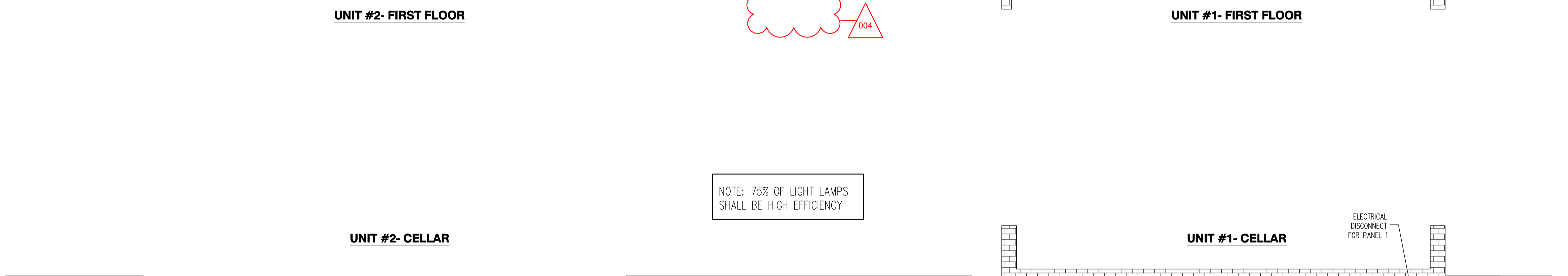
NOTE: 75% OF LIGHT LAMPS SHALL BE HIGH EFFICIENCY

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UNIT #2- FIRST FLOOR

UNIT #1- FIRST FLOOR



UNIT #2- CELLAR

UNIT #1- CELLAR

**A LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

**1125 7th St NE - STONY CREEK HOMES**  
**LIGHTING PLAN - CELLAR & 1ST**



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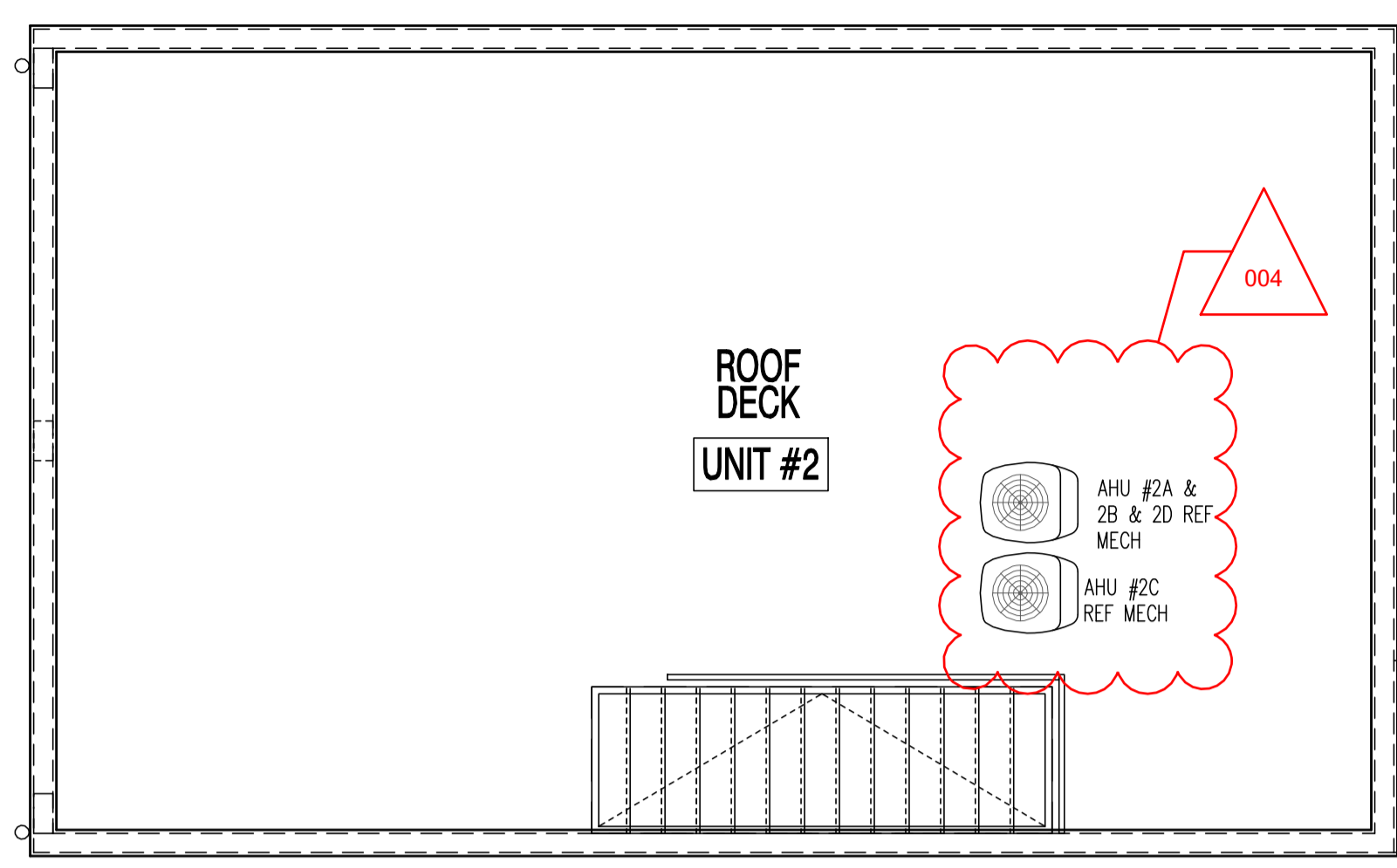
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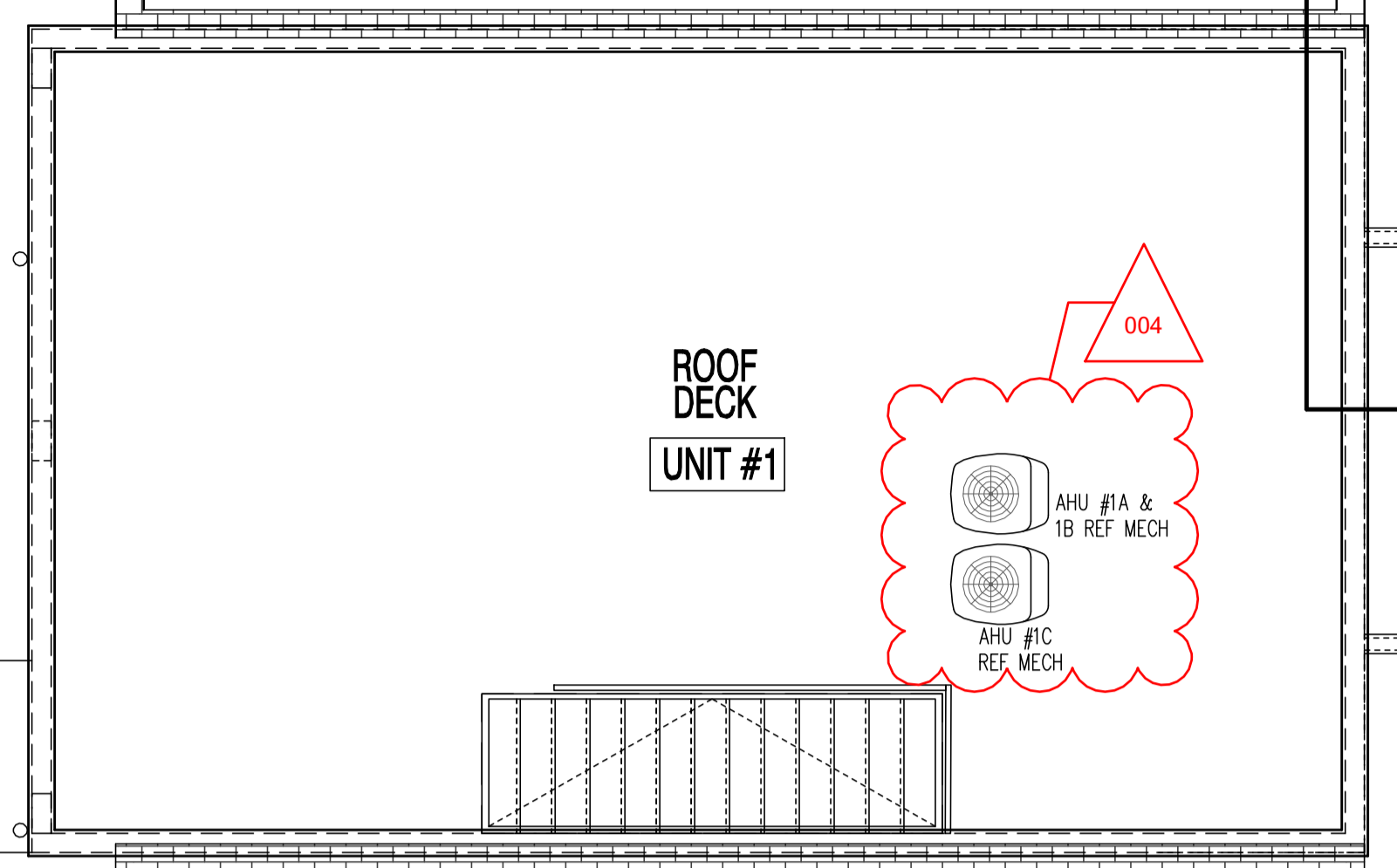
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FAIRFAX, VA 22030  
Phone: 703.988.2350 • Email: info@dcarchitect.com  
Website: www.dcarchitect.com

**ELECTRICAL SYMBOLS**

- STANDARD SWITCH - SET 38" A.F.F. - U.N.O.
- DUAL SWITCH STACK - SET 38" A.F.F. - U.N.O.
- 3-WAY SWITCH - SET 38" A.F.F. - U.N.O.
- 4-WAY SWITCH - SET 38" A.F.F. - U.N.O.
- CONVENIENCE OUTLET @ 12" A.F.F. - U.N.O.
- CONV. OUTLET- SET 42" A.F.F. - U.N.O.
- CONV. OUTLET- GROUND FAULT INTERRUPT
- CONV. OUTLET- ABOVE SET 42" A.F.F. - GROUND FAULT INTERRUPT
- CONV. OUTLET- WATERPROOF - GROUND FAULT INTERRUPT
- CONVENIENCE OUTLET - 1/2 SWITCHED 12" A.F.F.
- GARAGE DOOR OPENER
- FLOOR OUTLET
- 220 VOLT OUTLET
- DISHWASHER OUTLET
- TELEVISION OUTLET
- TELEPHONE OUTLET
- DOOR CHIMES
- CONTROL CONSOLE
- CEILING FAN PREWIRE PROVIDE ADEQUATE SUPPORT
- CEILING FAN/LIGHT PREWIRE PROVIDE ADEQUATE SUPPORT
- LIGHT FIXTURE
- LIGHT FIXTURE WITH PULL CHAIN
- SURFACE MOUNTED LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE WITH PULL CHAIN
- FAN - VENT TO EXTERIOR
- FAN-LIGHT COMBO - VENT TO EXTERIOR
- DOORBELL - SET 32" A.F.F.
- RECESSED LIGHT FIXTURE
- OPTIONAL RECESSED LIGHT FIXTURE
- THERMOSTAT
- ELECTRICAL PANEL
- ELECTRICAL METER
- FLUORESCENT LIGHT
- FLOOD LIGHT
- S.D. SMOKE DETECTOR - AC POWERED, INTERCONNECTED W/ BATTERY BACK-UP - LOCATE 4'-0" MIN. FROM RA REGISTERS (LOCATE @ HIGHEST POINT OF A VOLUME CEILING)
- S.D./C.M. COMBINATION SMOKE/ CARBON MONOXIDE DETECTOR ONLY IF REQ'D BY LOCAL CODE. AC POWERED, INTERCONNECTED W/ BATTERY BACK-UP LOCATE 4'-0" MIN. FROM RA REGISTERS (LOCATE @ HIGHEST POINT OF A VOLUME CEILING)
- COMPRESSOR
- ELECTRICAL RUN
- OPT. ELECTRICAL RUN

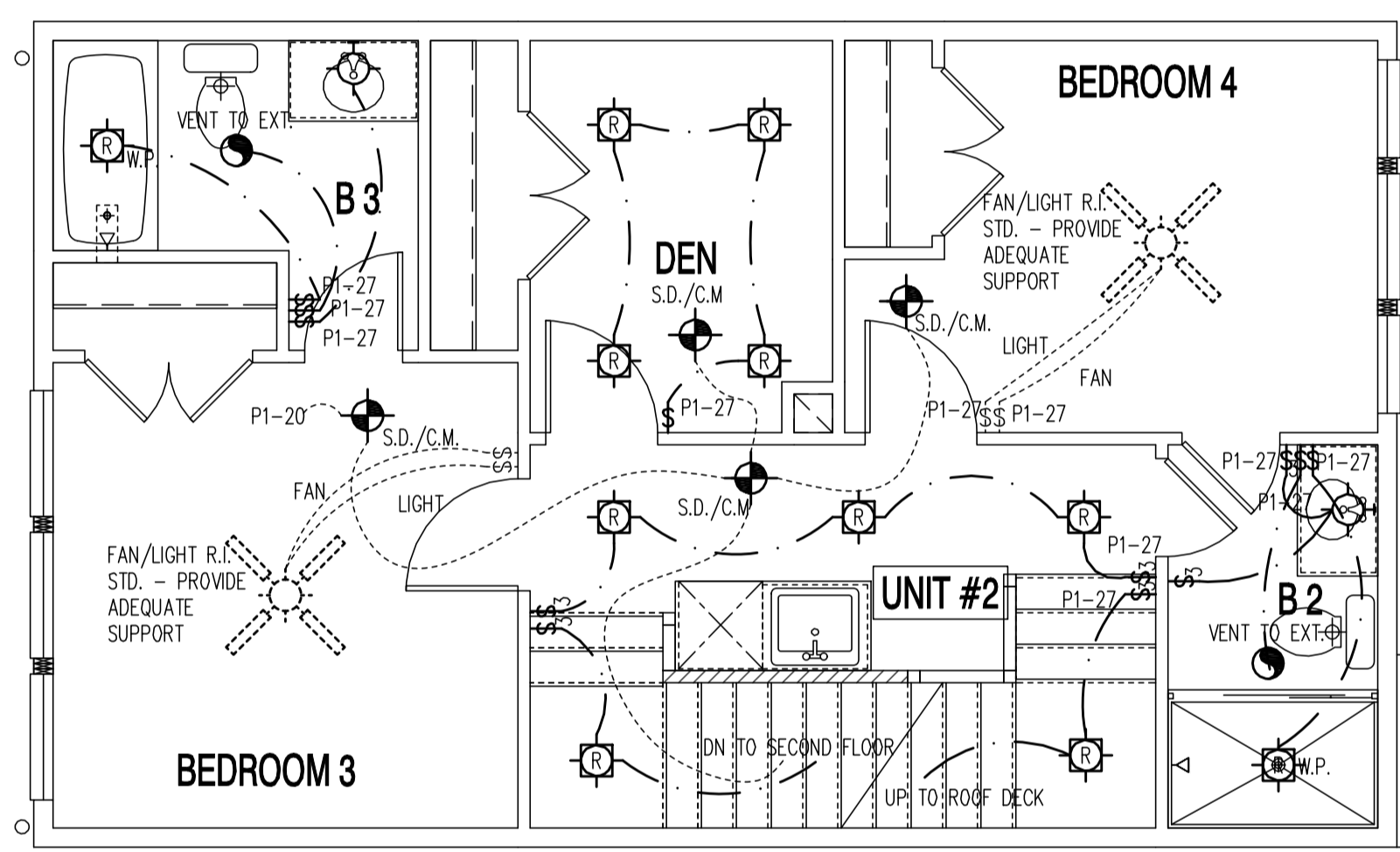


UNIT #2-ROOF DECK

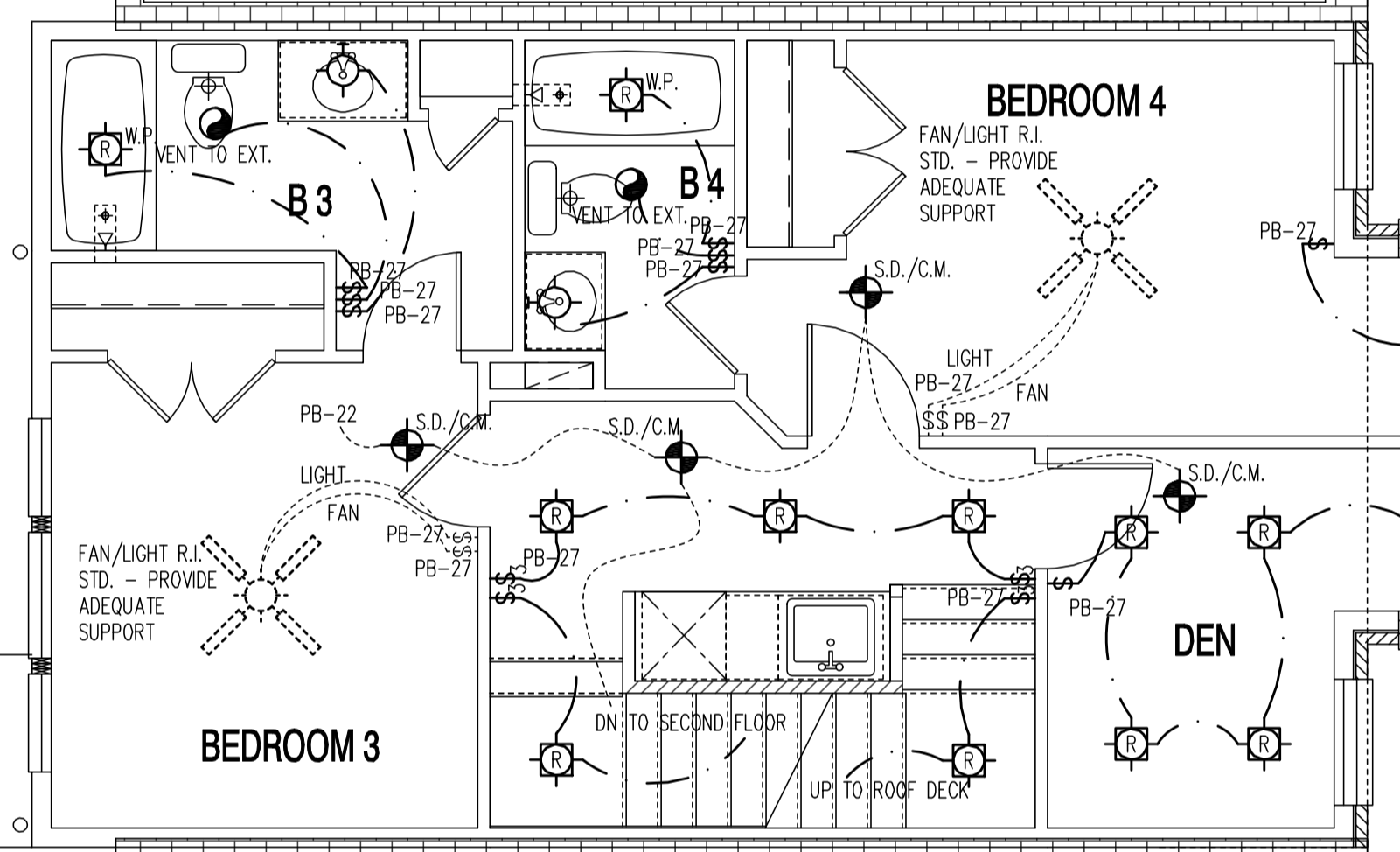


UNIT #1-ROOF DECK

NOTE: 75% OF LIGHT LAMPS SHALL BE HIGH EFFICIENCY

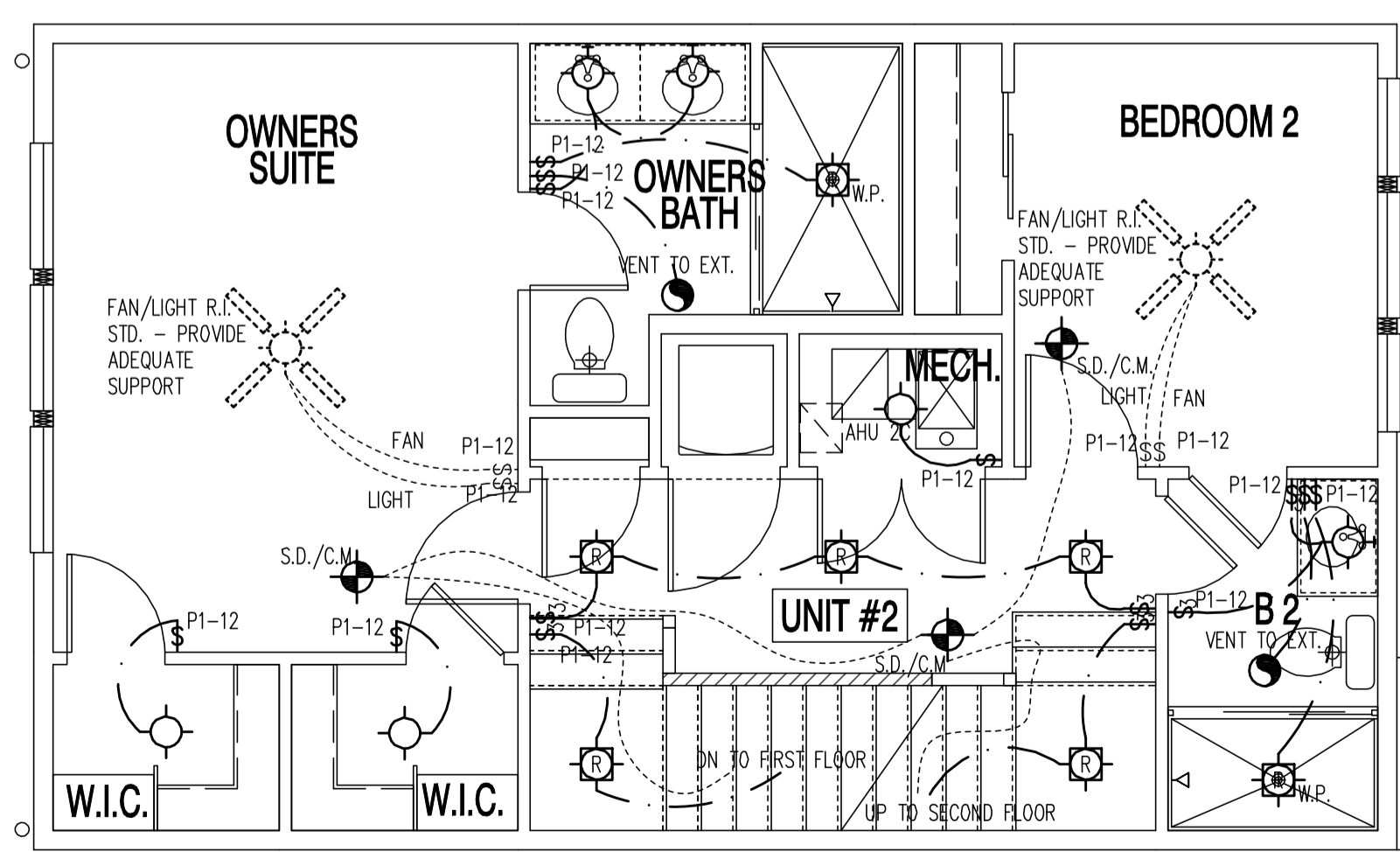


UNIT #2-THIRD FLOOR

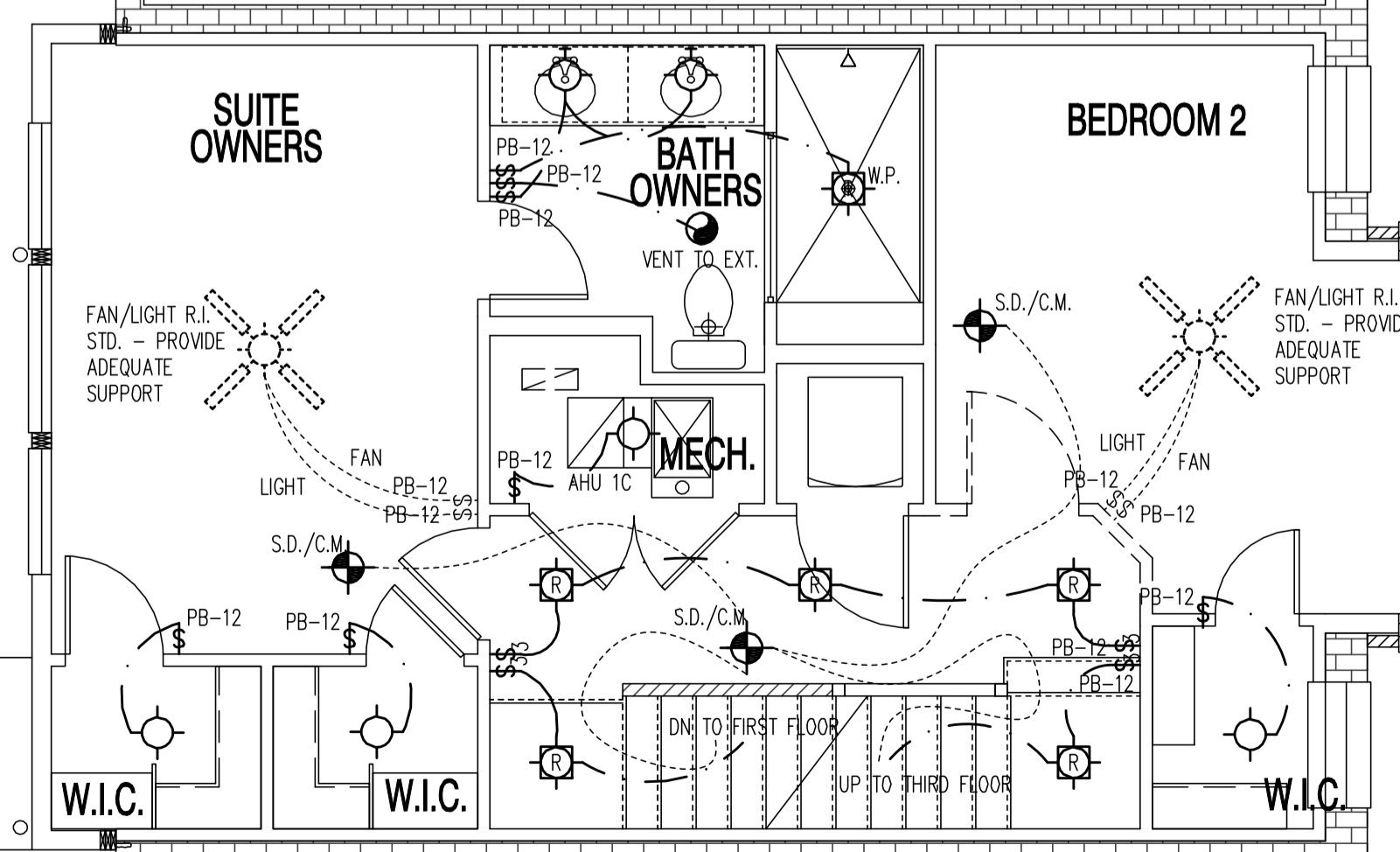


UNIT #1-THIRD FLOOR

NOTE: 75% OF LIGHT LAMPS SHALL BE HIGH EFFICIENCY



UNIT #2-SECOND FLOOR



UNIT #1-SECOND FLOOR

NOTE: 75% OF LIGHT LAMPS SHALL BE HIGH EFFICIENCY

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SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

1125 7th St NE - STONY CREEK HOMES  
LIGHTING PLAN - 2ND & 3RD



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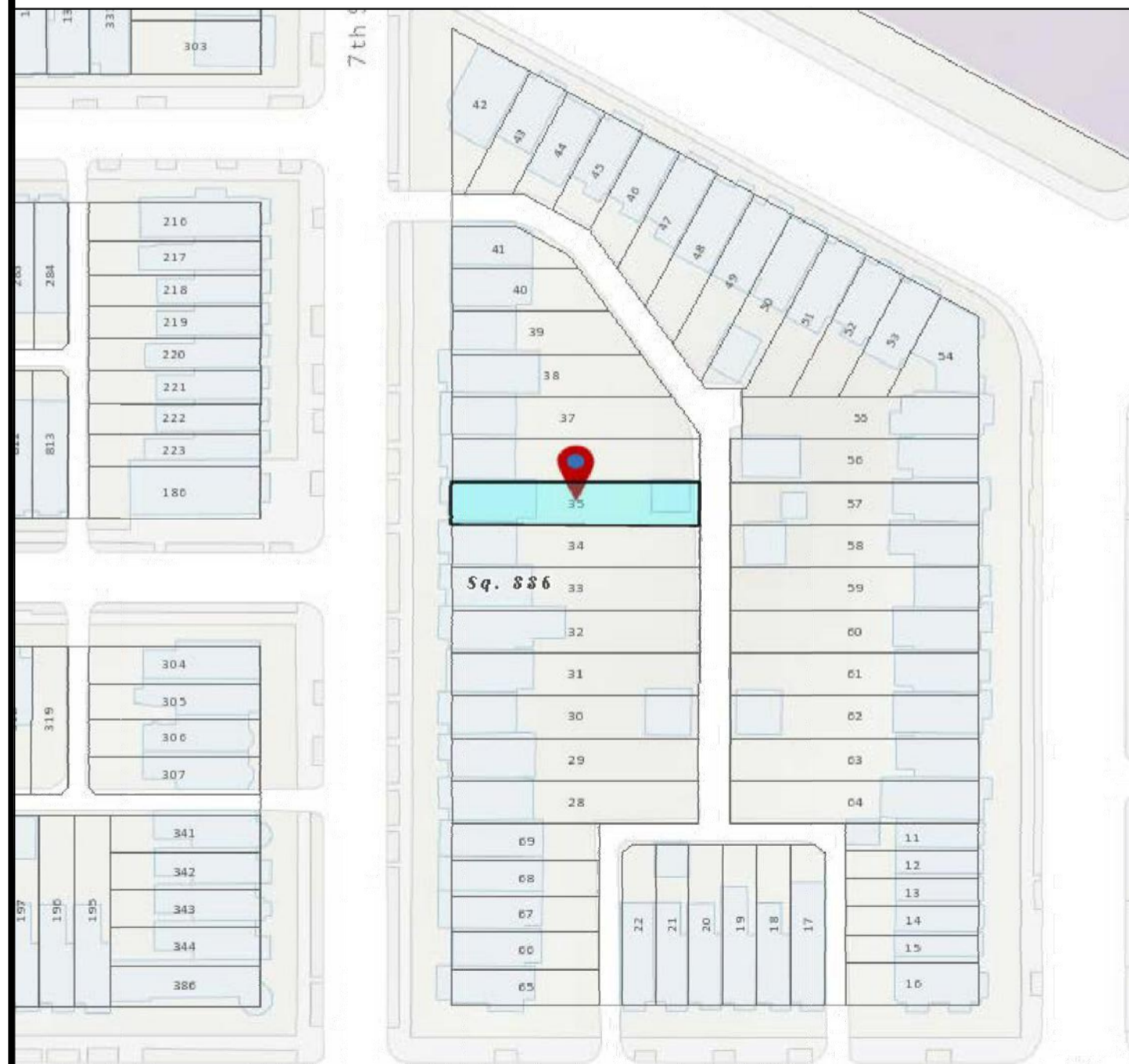
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**CONSTRUCTION SEQUENCE**

1. PRIOR TO CLEARING OF ANY TREES OR SHRUBS, INSTALLATION OF SEDIMENT CONTROL MEASURES OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE DISTRICT OF COLUMBIA SEDIMENT CONTROL INSPECTOR. NOTIFY THE DISTRICT OF COLUMBIA AT LEAST 48 HOURS PRIOR TO BEGINNING OF ANY WORK.
2. THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING OF TREES, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION OR OTHER LAND DISTURBING ACTIVITIES.
3. REMOVE EXISTING FENCES AND INSTALL EROSION CONTROL DEVICES INCLUDING STABILIZED CONSTRUCTION ENTRANCE, SILT FENCES AND ANY OTHER DEVICES SHOWN ON THE APPROVED SEDIMENT CONTROL PLAN AND AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
4. CLEAR AND GRUB SITE, EXCAVATE TO SUBGRADE FOR BASEMENT. EXCAVATED MATERIAL TO BE REMOVED FROM PROJECT SITE AND SHALL BE STOCKPILED NO LONGER THAN 7 DAYS. IF SCHEDULING REQUIRES EXCAVATED MATERIALS TO REMAIN ON SITE LONGER THAN 7 DAYS THE STOCKPILE AREA SHALL BE STABILIZED AND PROTECTED WITH SEDIMENT CONTROL DEVICES.
5. INSTALL FORMS AND CONCRETE BASEMENT WALLS AND STEP WALLS. CONSTRUCT FIRST FLOOR AND ABOVE GRADE FLOORS OF BUILDING.
6. CONSTRUCT PROPOSED UTILITIES AS PER APPROVED PLAN. WORK IN PUBLIC SPACE AND STREET TO BE KEPT CLEAN OF EXCAVATED MATERIAL, SOIL OR MUD.
7. UPON COMPLETION OF BUILDING CONSTRUCTION COMPLETE FINAL GRADING AND LANDSCAPING.
8. AFTER CONSTRUCTION IS COMPLETE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES. COMPLETE SITE CLEAN UP.

**DEWATERING**

- IF DEWATERING IS NECESSARY DURING FOUNDATION CONSTRUCTION, WATER WILL BE PUMPED OUT TO A SEDIMENT CONTROL TANK, THEN TO THE NEAREST CURB INLETS DOWN STREAM. CURB/INLET PROTECTORS WILL BE USED ACCORDING TO THE SEDIMENT CONTROL PLAN.



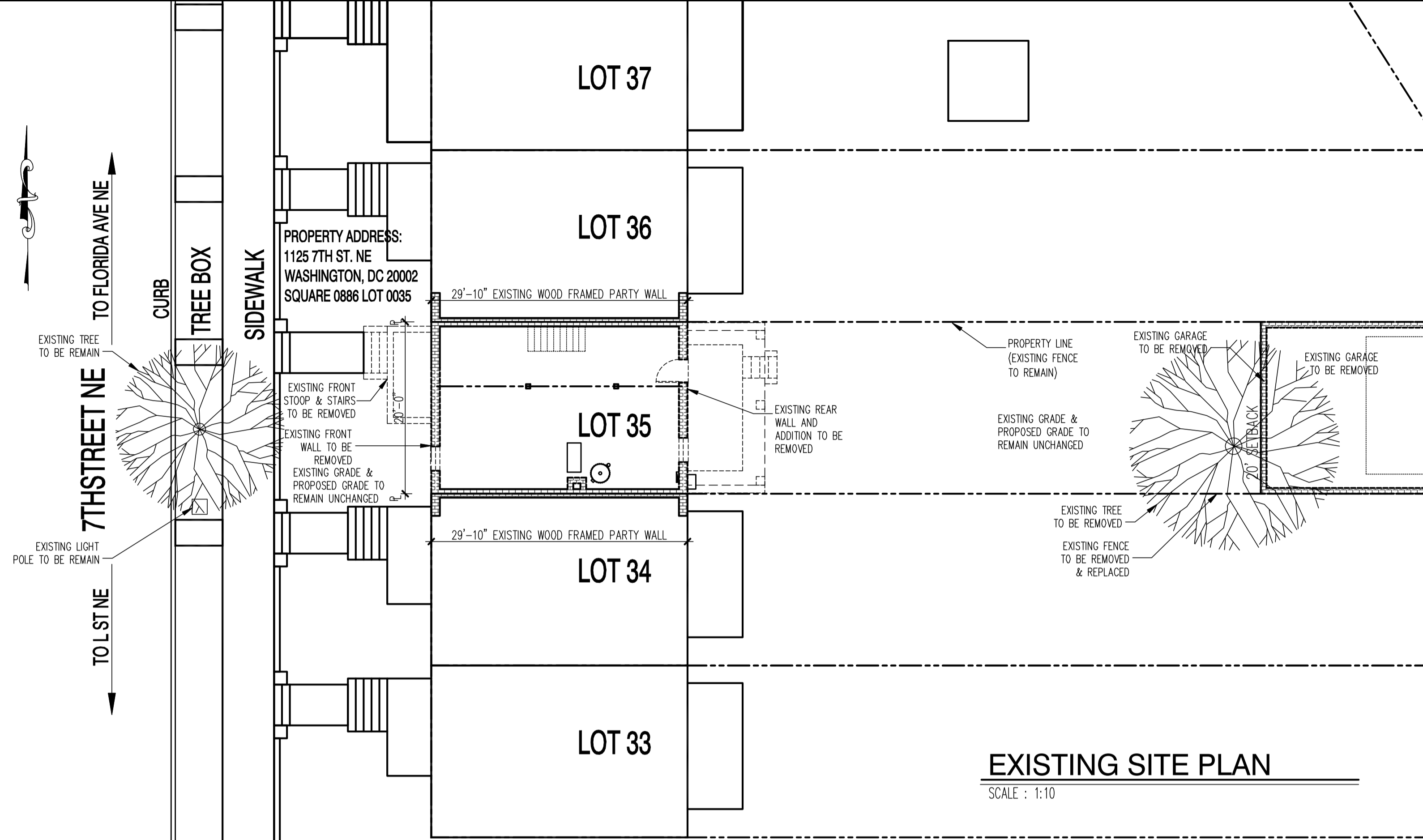
**VICINITY MAP**

SCALE : NTS



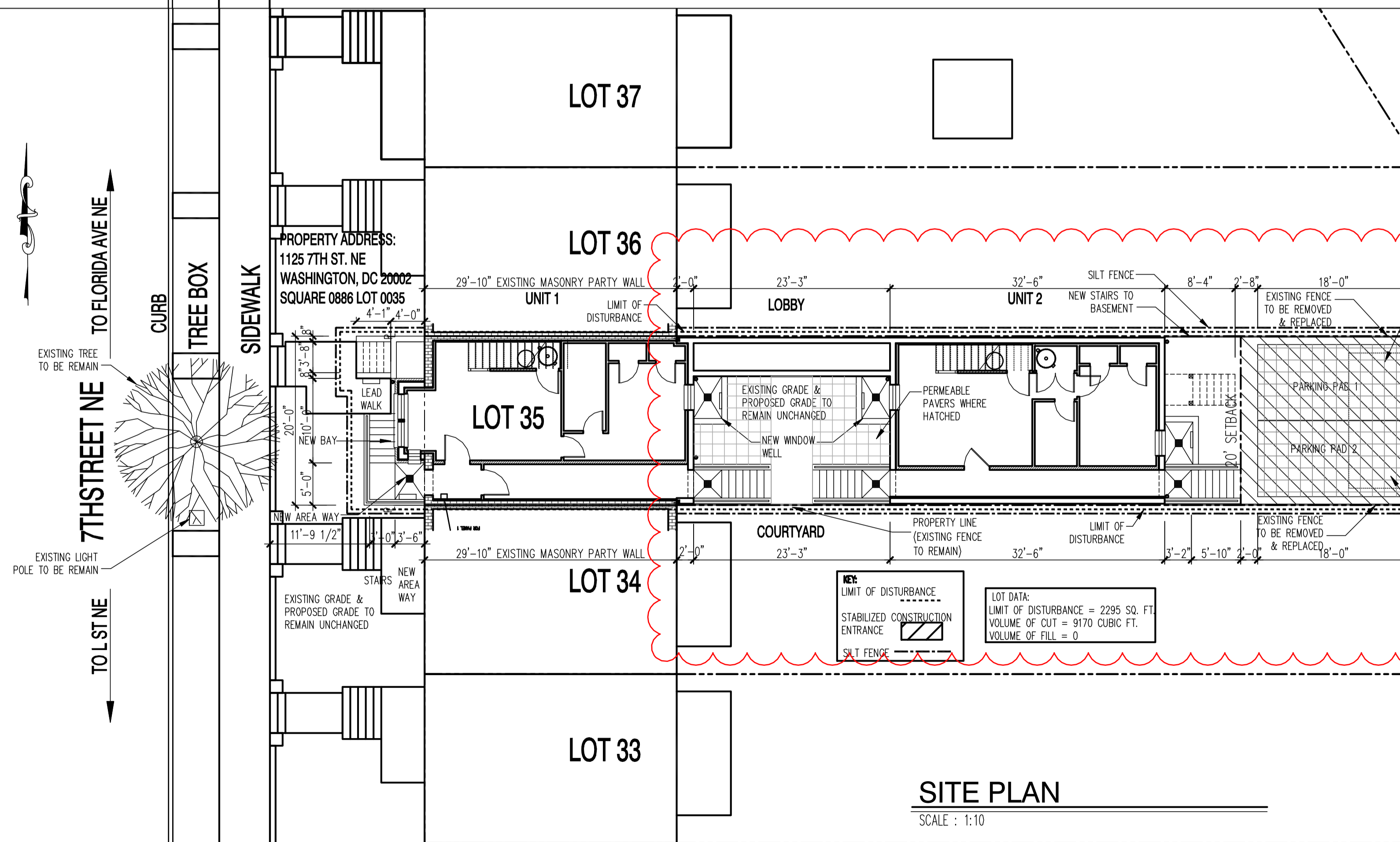
MORTON PL NE

MORTON PL NE



**EXISTING SITE PLAN**

SCALE : 1:10



**SITE PLAN**

SCALE : 1:10

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 DDOT Review - Shaun Baskerville 04-18-2018

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1125 7th St NE - STONY CREEK HOMES  
 EROSION CONTROL PLAN



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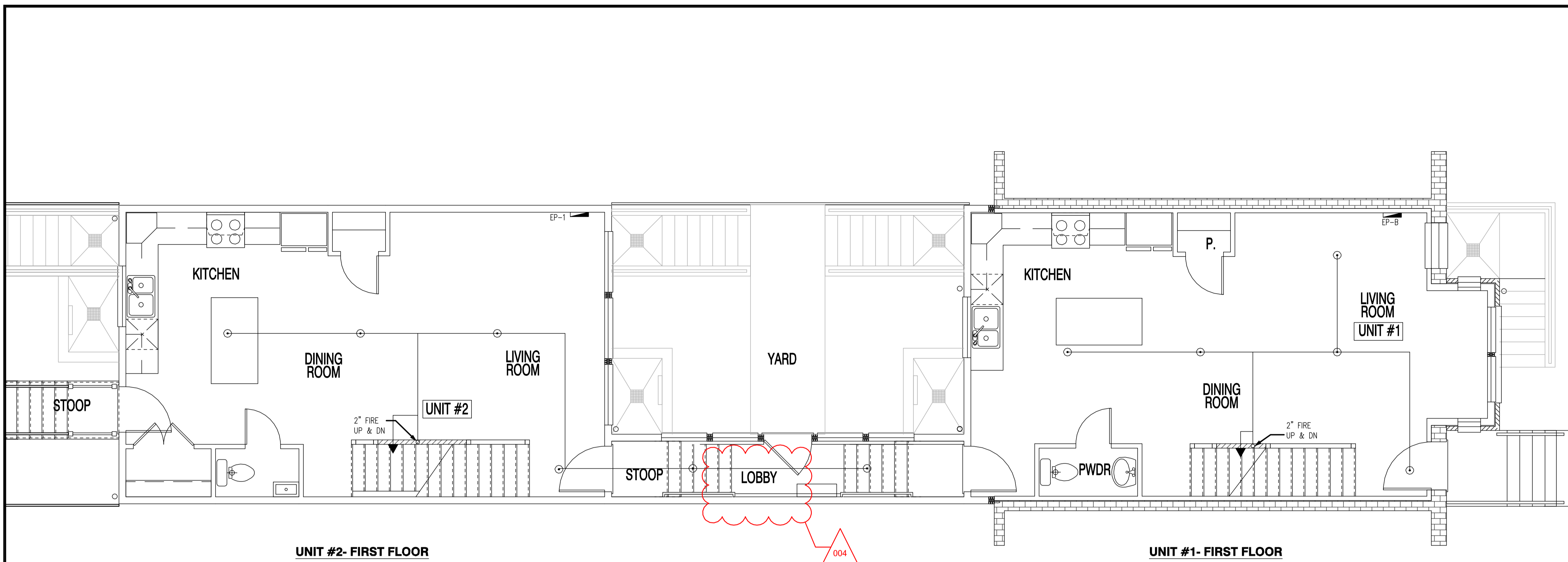
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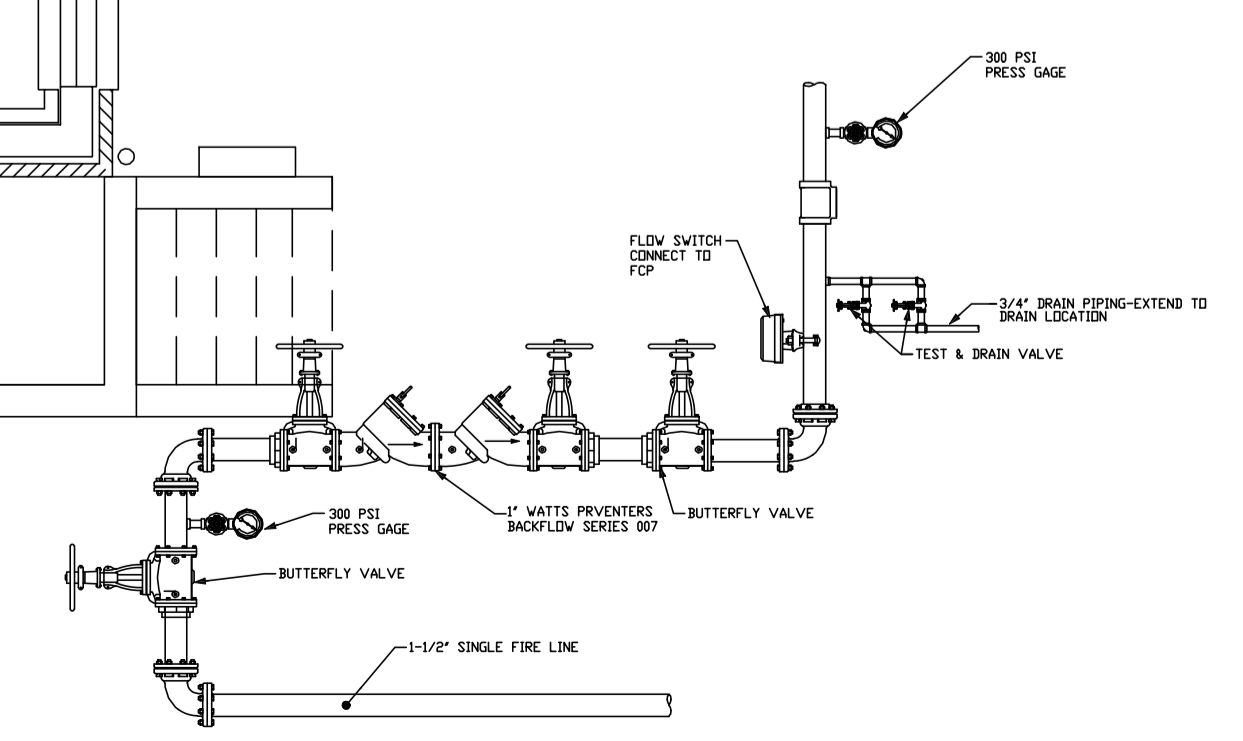
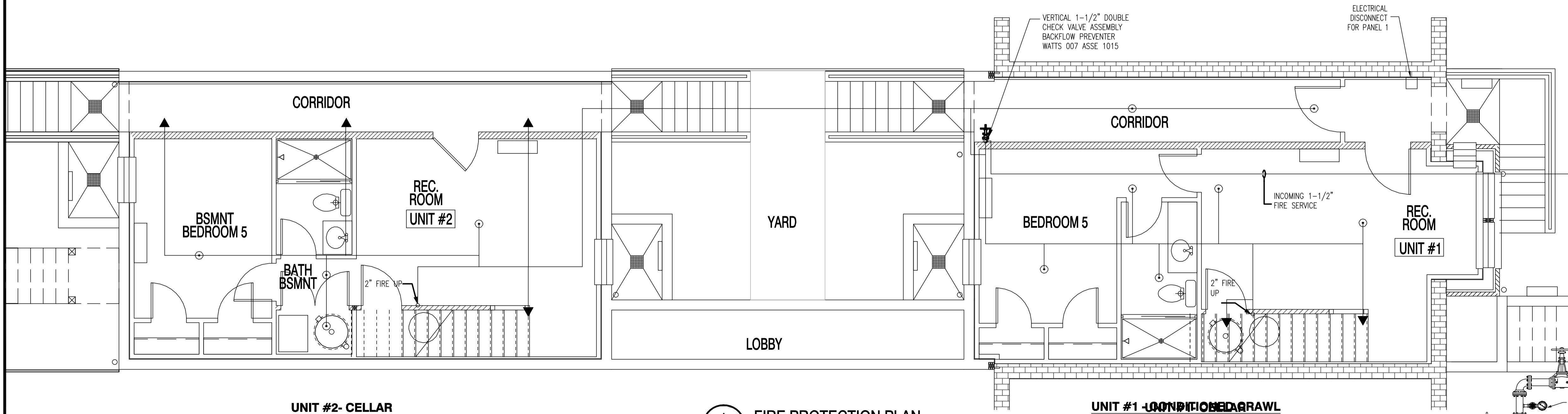
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Phone: 703.988.2550 • Email: info@mscgl.com  
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- FIRE PROTECTION NOTES**
1. THE ENTIRE BUILDING SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13D AND DISTRICT OF COLUMBIA FIRE MARSHAL'S OFFICE.
  2. ALL MATERIALS TO BE UL LISTED AS REQUIRED BY NFPA 13D.
  3. HEADS SHALL BE WHITE SEMI RECESSED MODEL, WITH 16X16 SPACING, UNLESS OTHERWISE NOTED.
  4. ALL HANGERS SHALL CONFORM TO NFPA #13 LOCAL PLUMBING CODES, AND THE MANUFACTURER RECOMMENDATIONS.
  5. SPRINKLERS SHALL NOT BE INSTALLED IN CLOSET LESS THAN 24 SQUARE FEET OR BATHROOMS LESS THAN 55 SQUARE FEET.
  6. MECHANICAL CLOSETS, LAUNDRY ROOMS SHALL HAVE INTERMEDIATE RATED RESIDENTIAL SPRINKLERS IF AMBIENT TEMPERATURE IS OVER 100 DEGREES F.
  7. UNPROTECTED ATTIC SPACE NOT USED FOR STORAGE.
  8. SPRINKLER HEADS ARE DESIGNED SO AS NOT TO BE OBSTRUCTED BY LIGHTS, CEILING FIXTURES OR CEILING SLOPES.
  9. R-38 BATT INSULATION REQUIRED OVER PIPING IN AREAS SUBJECTED TO FREEZING. (TO BE INSTALLED PRIOR TO HYDRO TEST).
  10. ALL PIPING IN UNFINISHED AREAS SHALL BE, (LT) LIGHT WALL STEEL OR TYPE L COPPER.
  11. ALL PIPING IN FINISHED AREAS SHALL BE CPVC (UNLESS OTHERWISE NOTED).
  12. LITERATURE (DESIGN GUIDE) FOR SPRINKLER HEADS SHALL BE MADE AVAILABLE TO FIELD INSPECTOR ONSITE.
  13. UNPROTECTED CLOSETS CONTAIN NO MECHANICAL EQUIPMENT IN ADDITION, WALLS AND CEILINGS ARE LIMITED COMBUSTION OR NON-COMBUSTIBLE.
  14. ALL BULKHEADS ARE 12" IN DEPTH UNLESS OTHERWISE NOTED.

**FIRE PROTECTION - SYMBOL LEGEND**

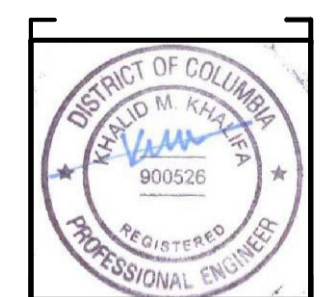
	ISOLATING GATE VALVE		LANDING VALVE
	(PS) PRESSURE SWITCH		ACV WITH DS&Y TYPE
	NON RETURN VALVE		ZONE CONTROL VALVE
	30M HOSE REEL WITH AFF, FDM, EXTINGUISHER, SLITTER, DRY CHEMICAL POWDER 5kg, DOUBLE DOOR CABINET		OS & Y GATE VALVE OR INDICATING BUTTERFLY VALVE
	UPRIGHT SPRINKLER		CHECK VALVE
	PENDENT SPRINKLER		PUMP
	UPRIGHT & PENDENT SPRINKLER		STRAINER
	SIDE WALL SPRINKLER		PRESSURE SWITCH
	ABC DRY POWDER 5kg		FM FLOW METER
	AFF FDM EXTINGUISHER 9L		PRESSURE GAUGE
	FIRE BLANKET		GATE VALVE
	FM-200 NOZZLE		OS & Y GATE VALVE
	LANDING VALVE		T/A TO ABOVE
			M/H MANHOLE



**A** FIRE PROTECTION PLAN  
SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4" = 1'-0" - 11x17 Plotted at 1/8" = 1'-0"

1125 7th St NE - STONY CREEK HOMES  
FIRE SUPPRESSION PLAN - CELLAR & FIRST FLOORS



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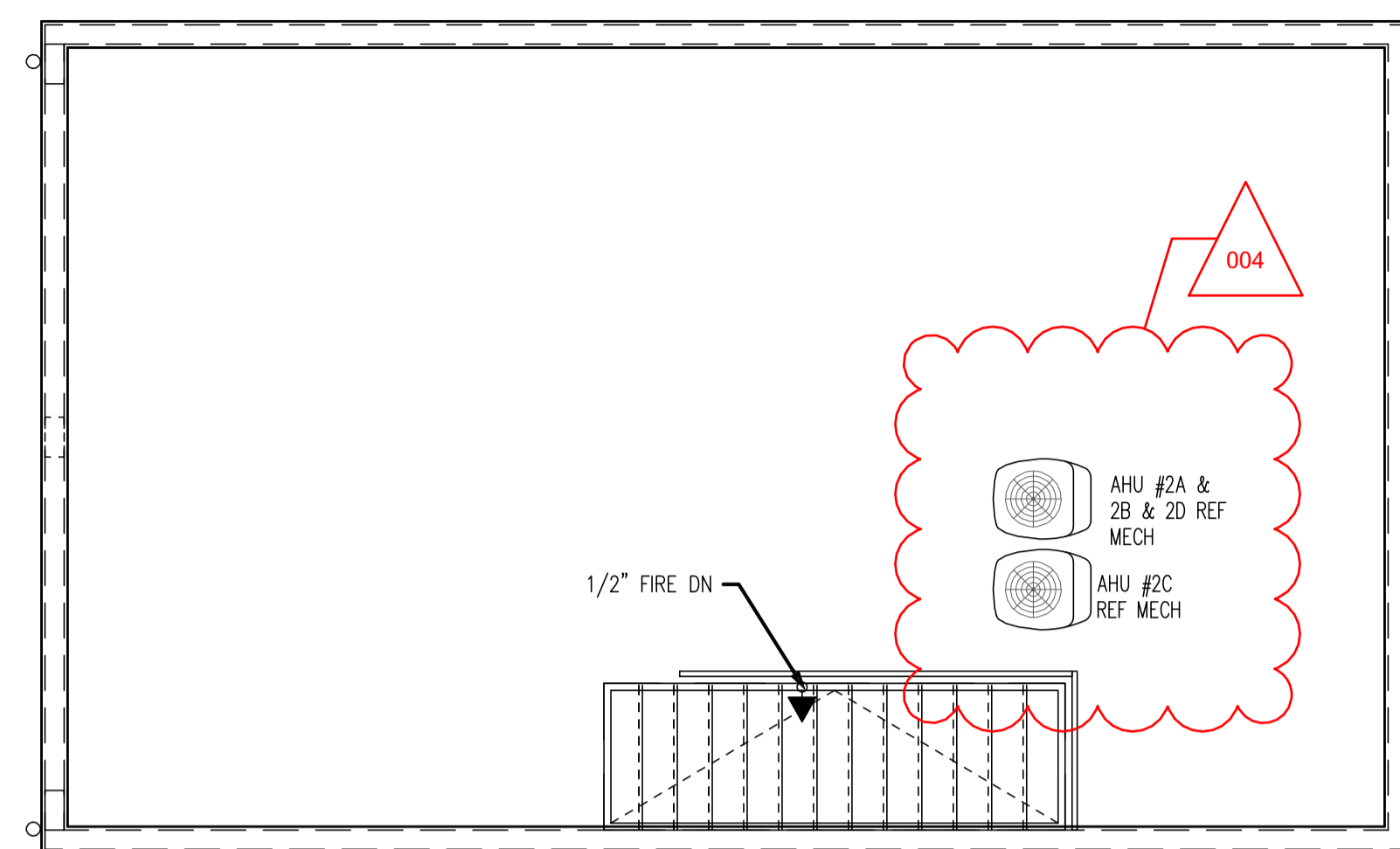
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FIRE PROTECTION NOTES

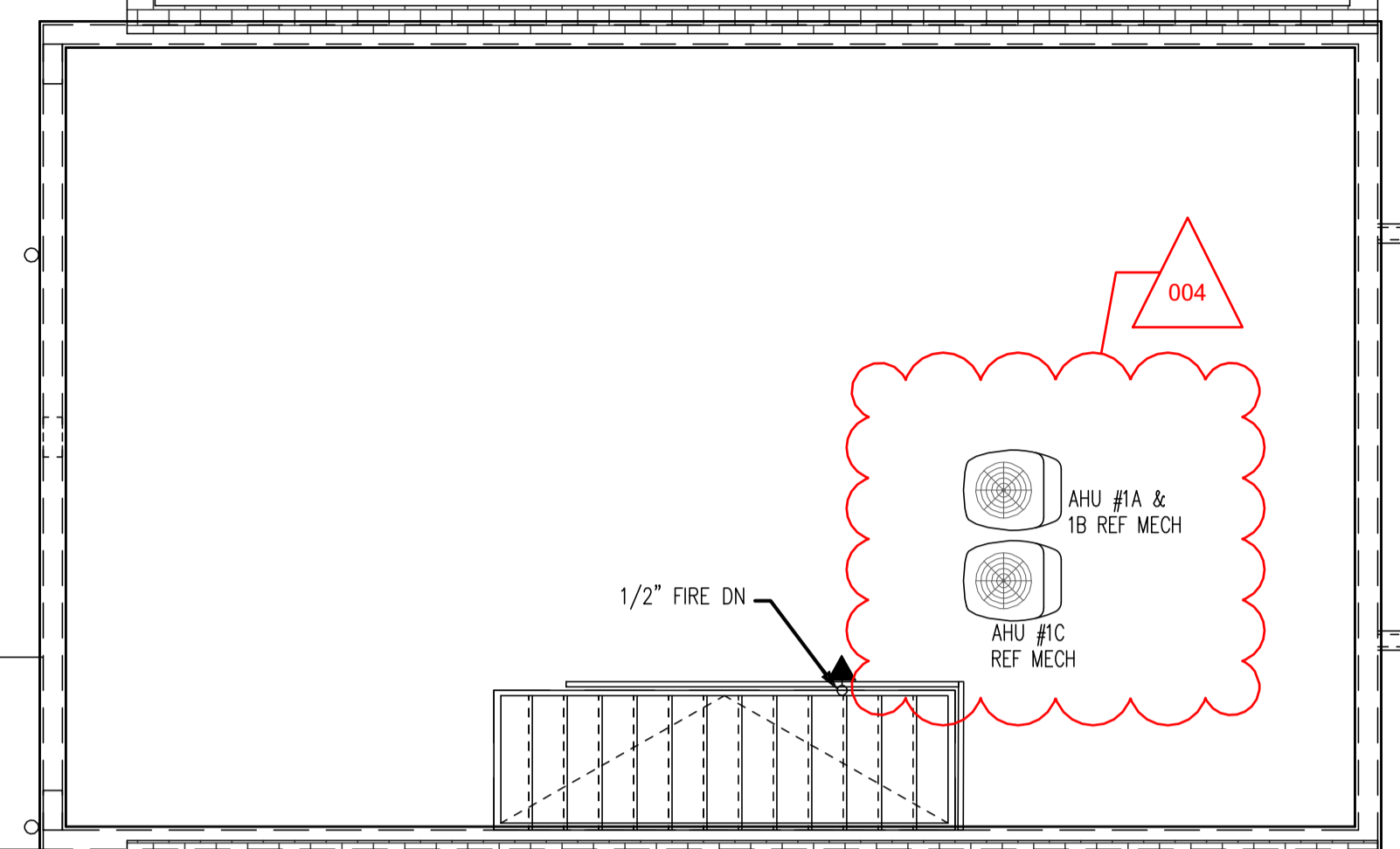
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FIRE PROTECTION - SYMBOL LEGEND

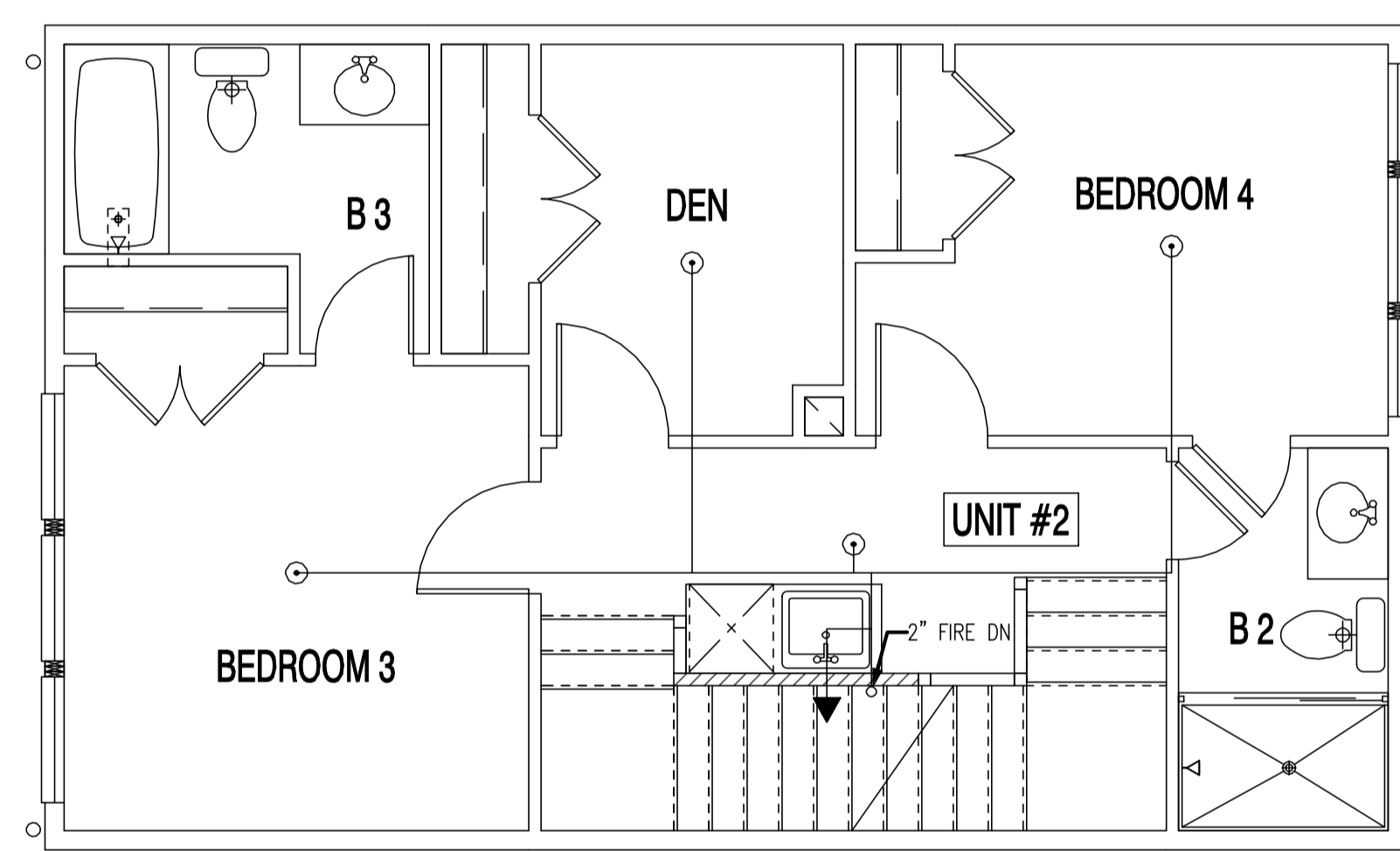
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	ABC DRY POWDER 5KG		FLOW METER
	AFF FOAM EXTINGUISHER 9L		PRESSURE GAUGE
	FIRE BLANKET		GATE VALVE
	FM-200 NOZZLE		DS & Y GATE VALVE
	LANDING VALVE		TO ABOVE MANHOLE



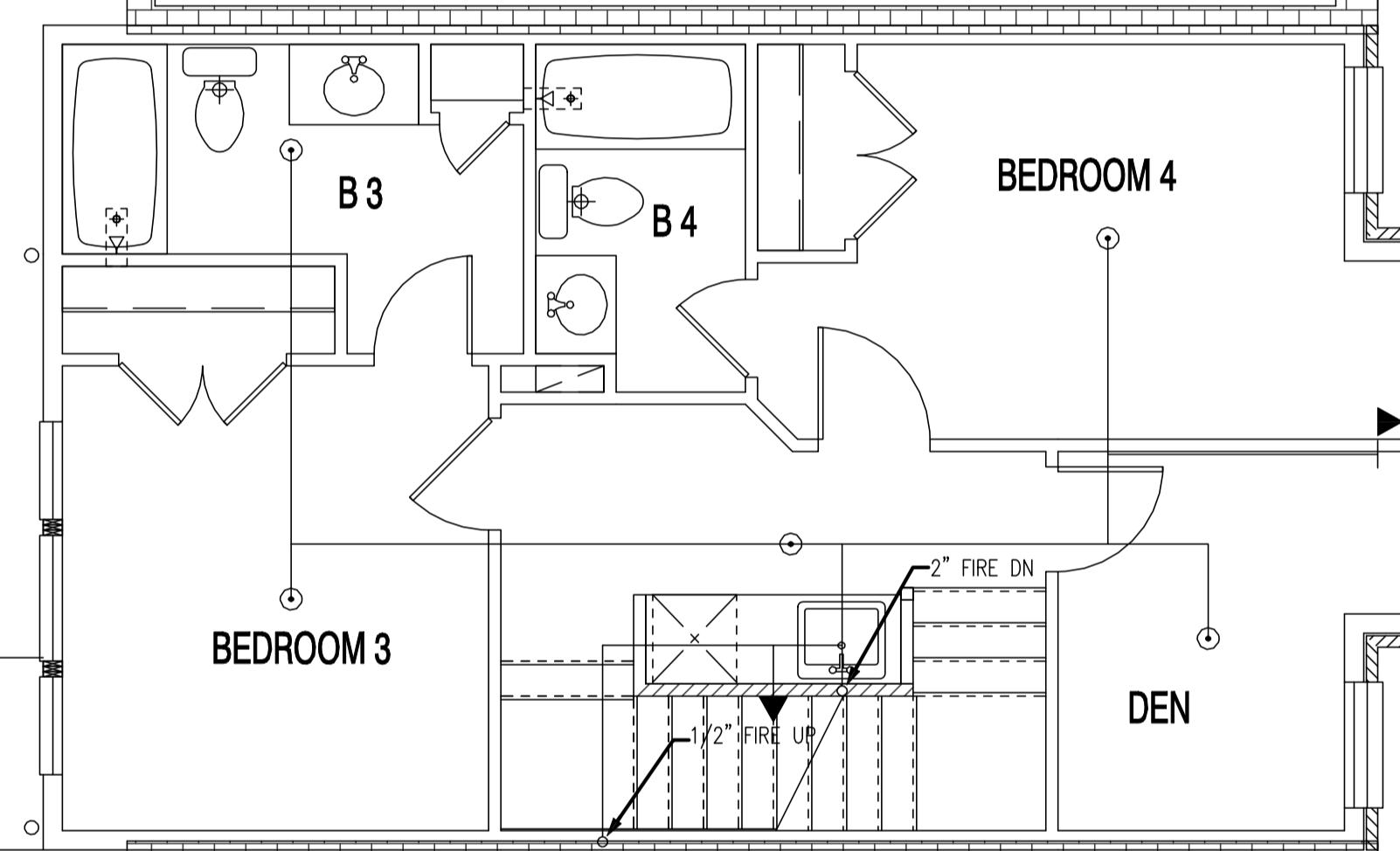
UNIT #2-ROOF DECK



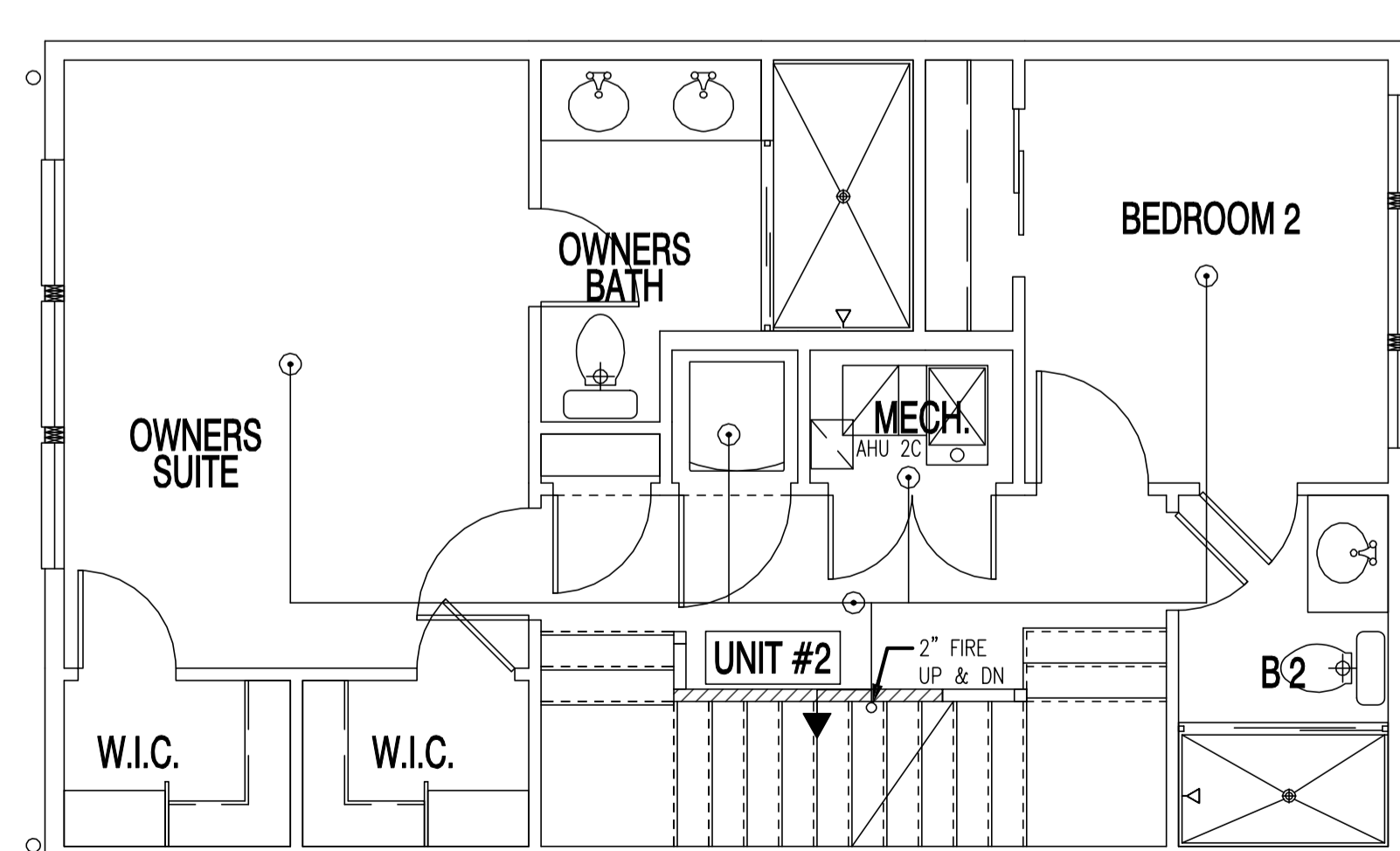
UNIT #1-ROOF DECK



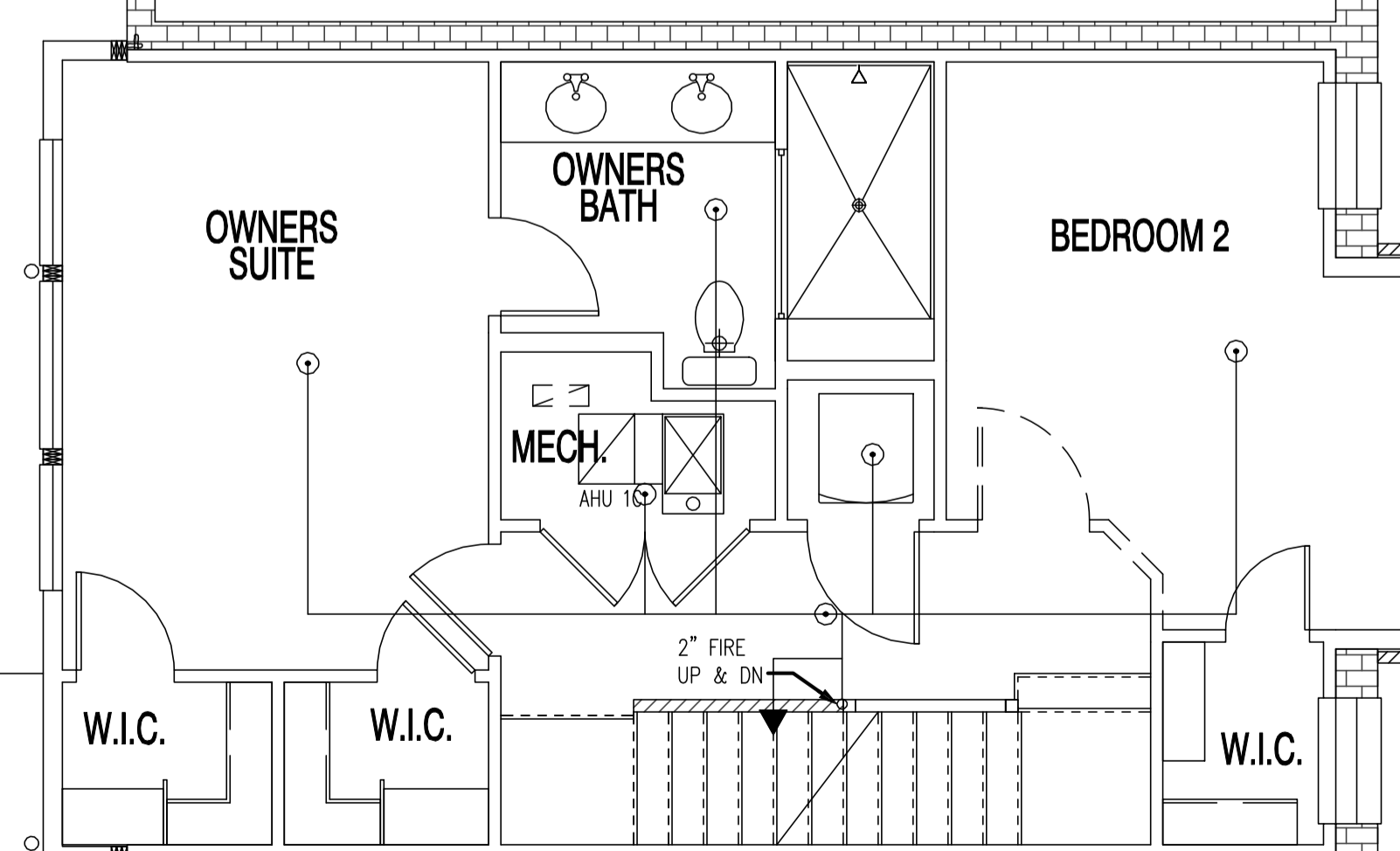
UNIT #2-THIRD FLOOR



UNIT #1-THIRD FLOOR



UNIT #2-SECOND FLOOR

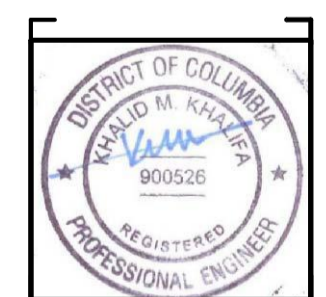


UNIT #1-SECOND FLOOR

A FIRE PROTECTION PLAN  
SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

1125 7th St NE - STONY CREEK HOMES  
FIRE SUPPRESSION PLAN SECOND & THIRD FLOORS



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**USPLIT SYSTEM HEATPUMP  
AC UNIT-1A,1B, &2A,2B,2D**

INDOOR UNIT-MITSUBISHI HORIZONTAL WALL MOUNTED DUCT-FREE AIR HANDLING UNIT MODEL \*MSZ-FH06NA\* 6,000 BTUH TOTAL COOLING CAPACITY @ ARI STANDARDS. PROVIDE W/ COND PUMP.

ELECTRIC CHARACTERISTICS:  
1- MCA = 1  
2- 240 VOLTS, 1 PHASE

OUTDOOR UNIT (ACCU-1A, 1B&2A, 2B 2D)  
MITSUBISHI MODEL \*MXZ-2C24NAHZ\* TO HAVE TOTAL CAPACITY OF 23.6 MBH WITH 40° SST MIN SEER 19

ELECTRIC CHARACTERISTICS:  
1- COMPRESSOR 1 @ 20 RLA, 2 @ 15 RLA  
2- FAN 1 @ 1/5 HP  
3- 240 VOLTS, 1 PHASE  
4- MCA 30

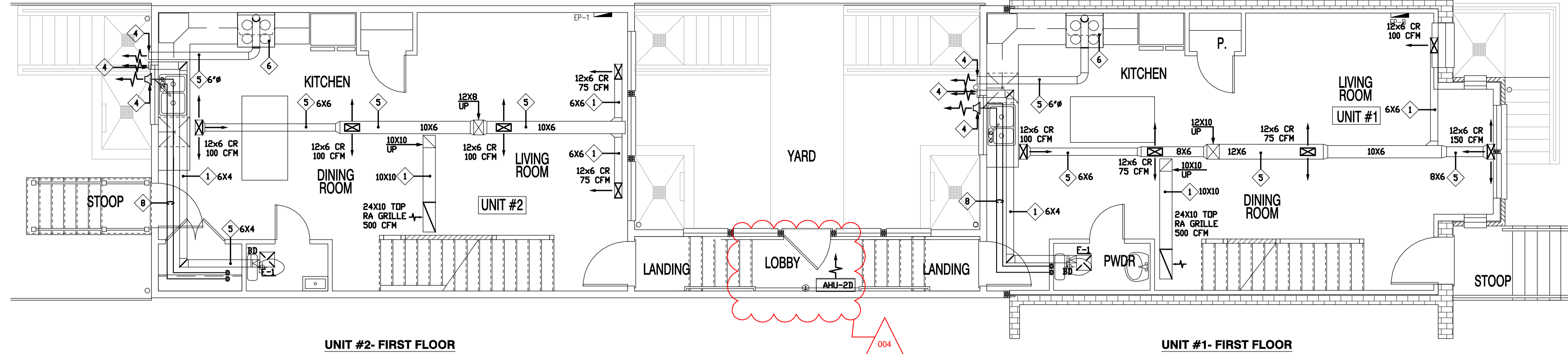
APPROVED EQUAL

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
PERMIT OPERATIONS DIVISION  
PLANS ROOM 400  
Permit No. 81805207  
Date: 03/10/17

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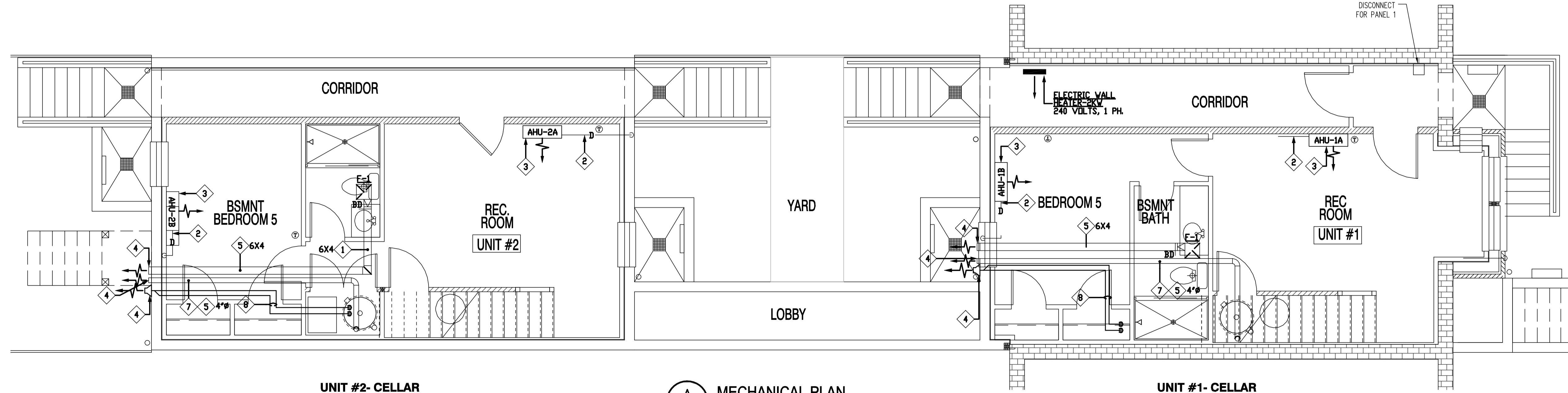


UNIT #2- FIRST FLOOR

UNIT #1- FIRST FLOOR

**MECHANICAL ABBREVIATIONS**

A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
ACC	AIR-COOLED CONDENSING UNIT
AD	ACCESS DOOR
A.P.	ACCESS PANEL
A.P.D.	AIR PRESSURE DROP
B.H.P.	BRAKE HORSEPOWER
B.T.U.'S	BRITISH THERMAL UNITS
B.T.U.H.	BRITISH THERMAL UNITS PER HOUR
BR	BOTTOM REGISTER
C	CENTER
C.D.	CEILING DIFFUSER
CR	CEILING REGISTER
C.F.M.	CUBIC FEET PER MINUTE
DIA.	DIAMETER
D.B.	DRY BULB
DX	DX COIL
E.A.	EXHAUST AIR
F	FAN
C.G.	CEILING GRILLE
E.A.T.	ENTERING AIR TEMPERATURE
E.B.H.	ELECTRIC BASEBOARD HEATER
E.S.P.	EXTERNAL STATIC PRESSURE
FBC	FILTER BACK GRILLE
F.V.	FACE VELOCITY
L.A.T.	LEAVING AIR TEMPERATURE
MAX.	MAXIMUM
M.B.H.	ONE THOUSAND B.T.U.'S PER HOUR
MIN.	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NK	NECK
O.A.	OUTSIDE AIR
R.A.	RETURN AIR
REWH	RECESSED ELECTIC WALL HEATER
R.P.M.	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
S.A.	SUPPLY AIR
S.P.	STATIC PRESSURE
T.R.G.	TRANSFER AIR GRILLE
TR	TOP REGISTER
TYP.	TYPICAL
V/P/H	VOLTS/PHASE/HERTZ
W.B.	WET BULB



UNIT #2- CELLAR

UNIT #1- CELLAR

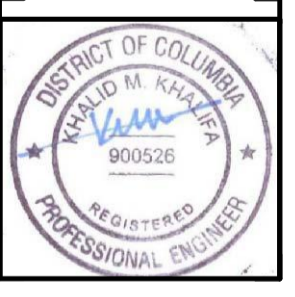
**A** MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"

**DRAWING NOTES**

1. RUN DUCTWORK BETWEEN TRUSSES.
2. 3/4" CONDENSATE DRAIN SPILL OVER FLOOR DRAIN.
3. INSTALL, SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY SPLIT SYSTEM MANUFACTURER.
4. WALL CAP MATCHING DUCT SIZE.
5. RUN DUCTWORK THROUGH TRUSSES.
6. RANGE HOOD, EXHAUST RATES, SHALL BE AT A RATE OF 100 CFM INTERMITTENT OR 25 CFM CONTINUOUS
7. DRYER EXHAUST DUCTWORK ROUTING AND CONFIGURATION SHALL MEET DRYER MANUFACTURER INSTALLATION REQUIREMENT & INACCORDANCE TO IMC SECTION 504.6.
8. 2" PVC COMBUSTION AIR EXHAUST & 3" PVC COMBUSTION AIR INTAKE WITH INTEGRAL VENT, TERMINATE MIN 12" ABOVE WINDOW OR MIN 30" ABOVE ROOF.

1125 7th St NE - STONY CREEK HOMES  
MECHANICAL PLAN - CELLAR & FIRST FLOORS

22x34 Plotted at 1/4" = 1'-0" - 11x17 Plotted at 1/8" = 1'-0"



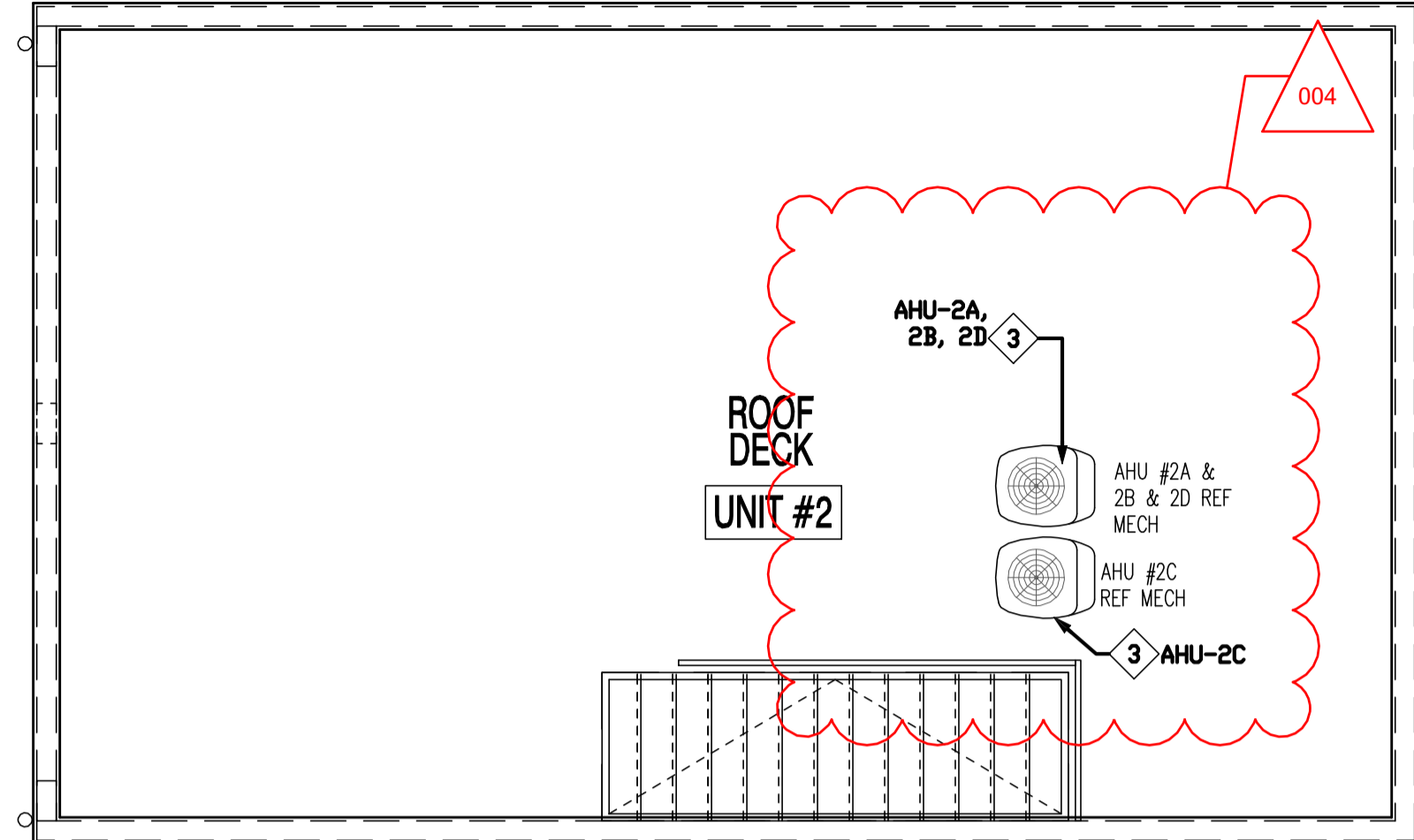
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REV No. DATE  
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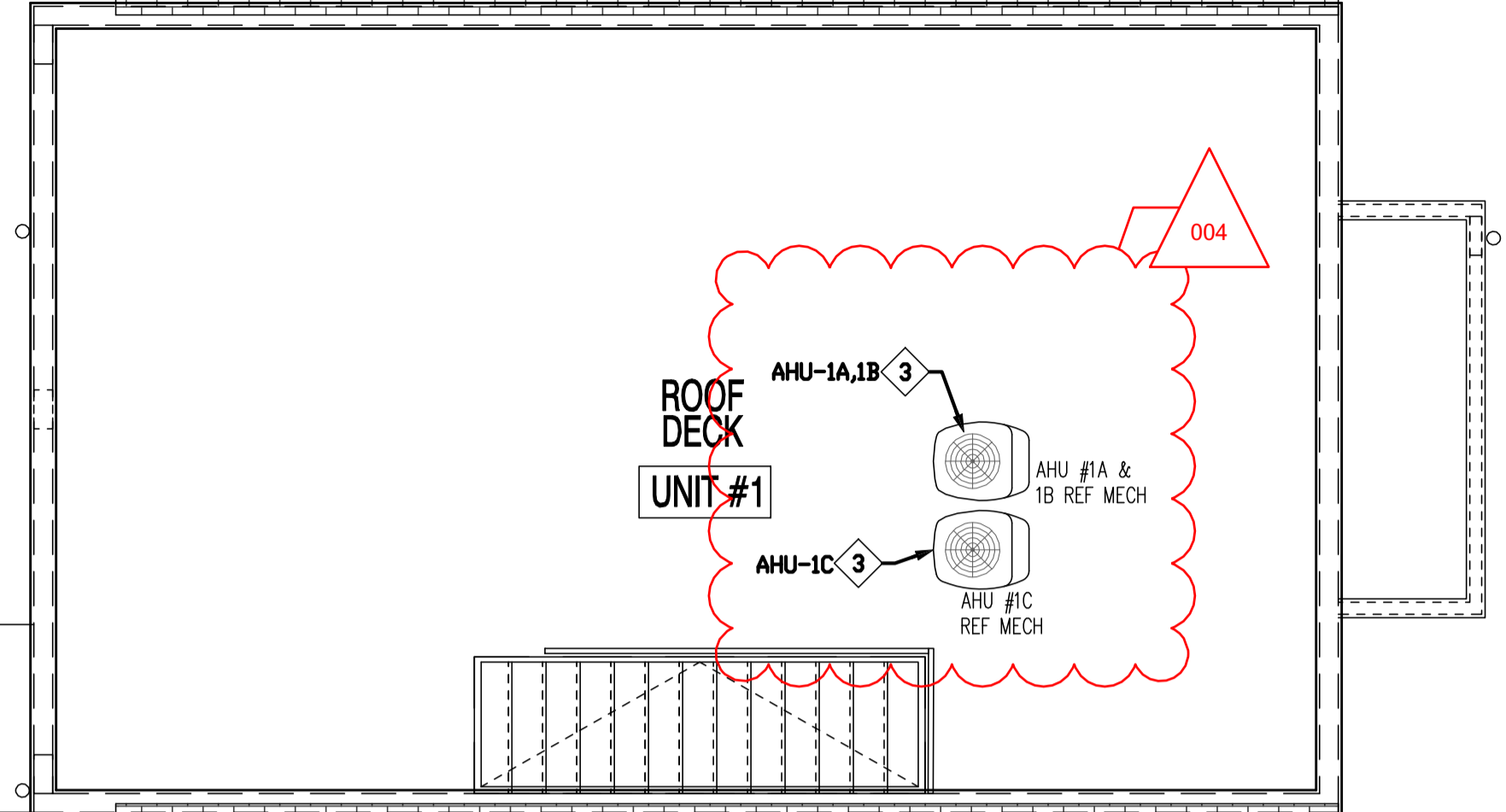
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**USPLIT SYSTEM GAS FIRED  
AC UNIT-1C&2C**  
INDOOR UNIT(AHU-1C&2C)-TRANE HORIZONTAL FURNACE MODEL"TUH1B080A9421C"  
AIR LEAKAGE SHALL BE 2% OR LESS , 1400 CFM @ 0.5" E.S.P., HEATING CAPACITY: 77 MBH GAS INPUT, 73.15 MBH GAS OUTPUT.  
DX-C: TRANE CASED COIL MODEL "4TXCD008DS3" 42000 BTUH TOTAL AND 41000 BTUH SENSIBLE COOLING CAPACITY @ 95°F AMBIENT TEMPERATURE & ARI STANDARDS.  
ELECTRIC CHARACTERISTICS:  
1- FAN MOTOR 1/24 HP  
2- 115 VOLTS, 1 PHASE  
3- MCA 10.2  
4- MDCP 15  
OUTDOOR UNIT (ACCU-1C&2C)  
TRANE MODEL "4TTR6042A1" TO HAVE NOMINAL CAPACITY OF 42000 BTUH WITH 40" SST MIN SEER 16 PROVIDE LOW AMBIENT CONTROL DOWN TO 0°F  
ELECTRIC CHARACTERISTICS:  
1- COMPRESSOR 1 @ 16.7 RLA/ 109 LRA  
2- FAN 1 @ 1/8 HP  
3- 240 VOLTS, 1 PHASE  
4- MCA 21  
5- MDCCP 35



UNIT #2-ROOF DECK



UNIT #1-ROOF DECK

**MECHANICAL ABBREVIATIONS**

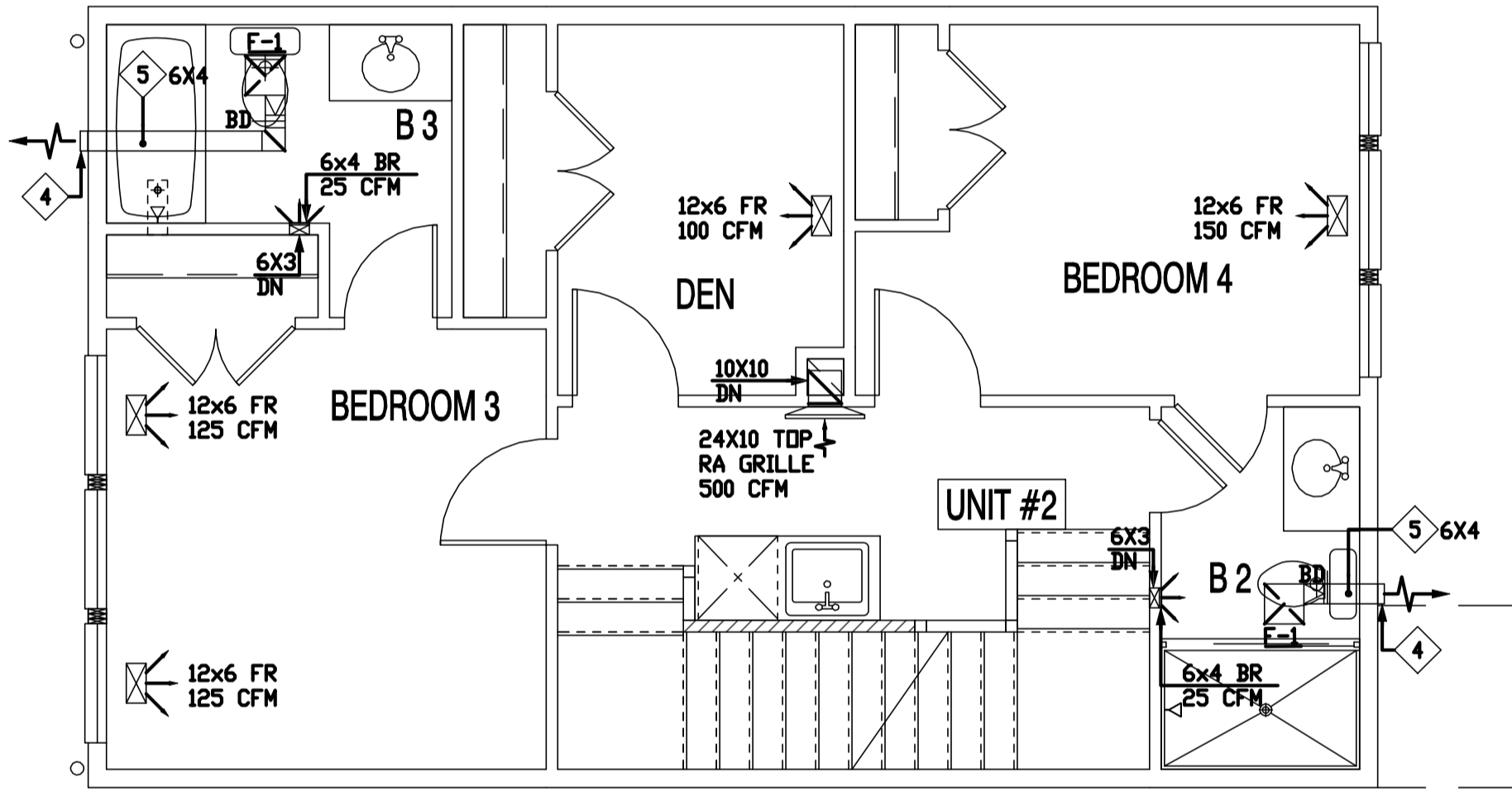
A.F.F.	ABOVE FINISH
A.H.U.	AIR HANDLING UNIT
ACC	AIR COOLER
A.D.	ACCESS DOOR
A.P.	ACCESS PANEL
A.P.D.	AIR PRESSURE DROP
B.H.P.	BRAKE HORSEPOWER
B.T.U.'S	BRITISH THERMAL UNITS
B.T.U.H.	BRITISH THERMAL UNITS PER HOUR
BR	BOTTOM REGISTER
C	CENTER
C.D.	CEILING DIFFUSER
CR	CEILING REGISTER
C.F.M.	CUBIC FEET PER MINUTE
DIA.	DIAMETER
D.B.	DRY BULB
DX	DX COIL
E.A.	EXHAUST AIR
F	FAN
C.G.	CEILING GRILLE
E.A.T.	ENTERING AIR TEMPERATURE
E.B.H.	ELECTRIC BASEBOARD HEATER
E.S.P.	EXTERNAL STATIC PRESSURE
FBG	FILTER BACK GRILLE
F.V.	FACE VELOCITY
L.A.T.	LEAVING AIR TEMPERATURE
MAX.	MAXIMUM
M.B.H.	ONE THOUSAND B.T.U.'S PER HOUR
MIN.	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NK	NECK
O.A.	OUTSIDE AIR
R.A.	RETURN AIR
REWH	RECESSED ELECTIC WALL HEATER
R.P.M.	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
S.A.	SUPPLY AIR
S.P.	STATIC PRESSURE
T.R.G.	TRANSFER AIR GRILLE
TR	TOP REGISTER
TYP.	TYPICAL
V/P/H	VOLTS/PHASE/HERTZ
W.B.	WET BULB

**DRAWING NOTES**

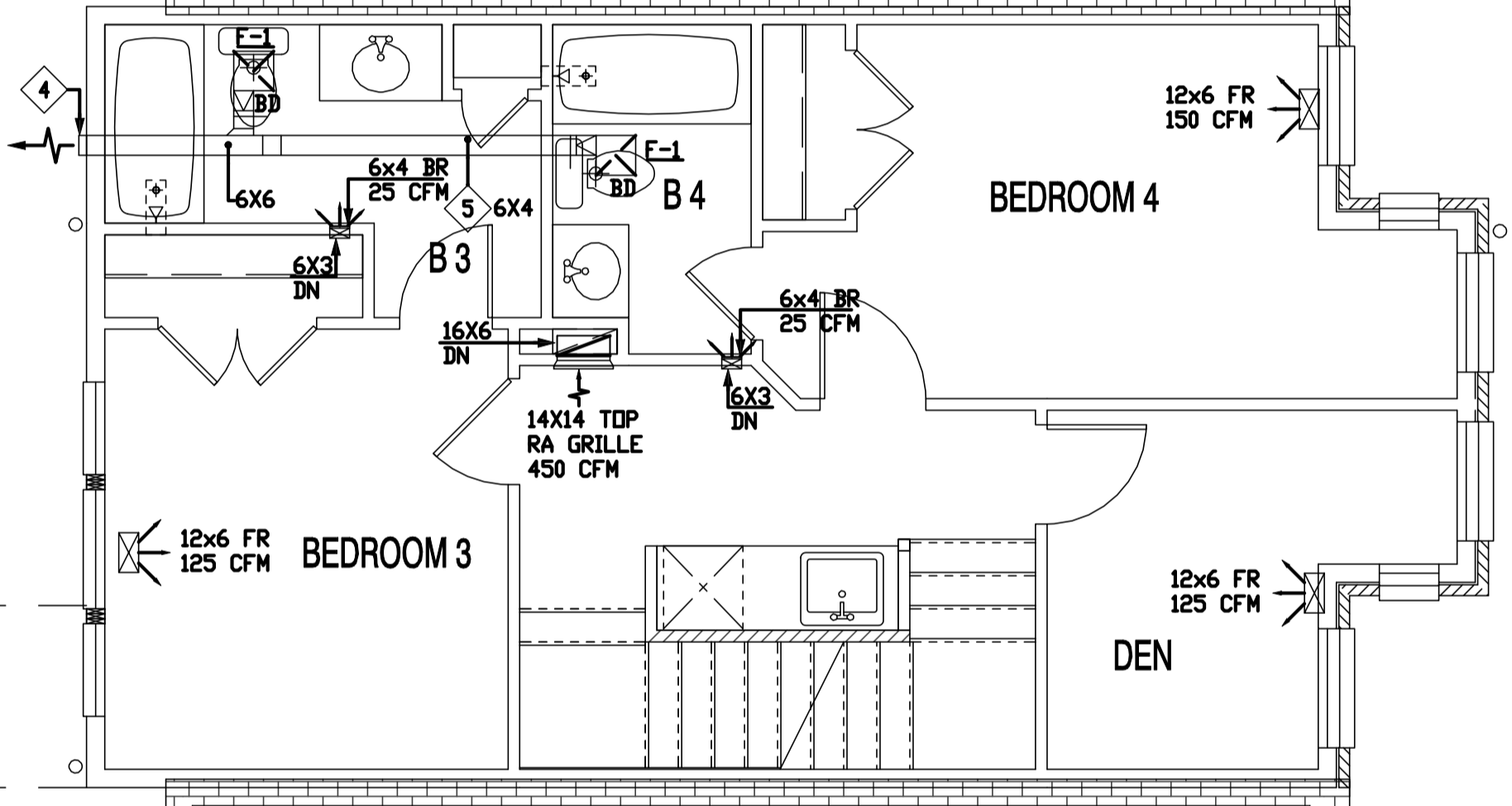
1. RUN DUCTWORK BETWEEN TRUSSES.
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7. 2" PVC COMBUSTION AIR EXHAUST & 3" PVC COMBUSTION AIR INTAKE WITH INTEGRAL VENT, TERMINATE MIN 12" ABOVE WINDOW OR MIN 30" ABOVE ROOF.

**OUTDOOR VENTILATION AIR**

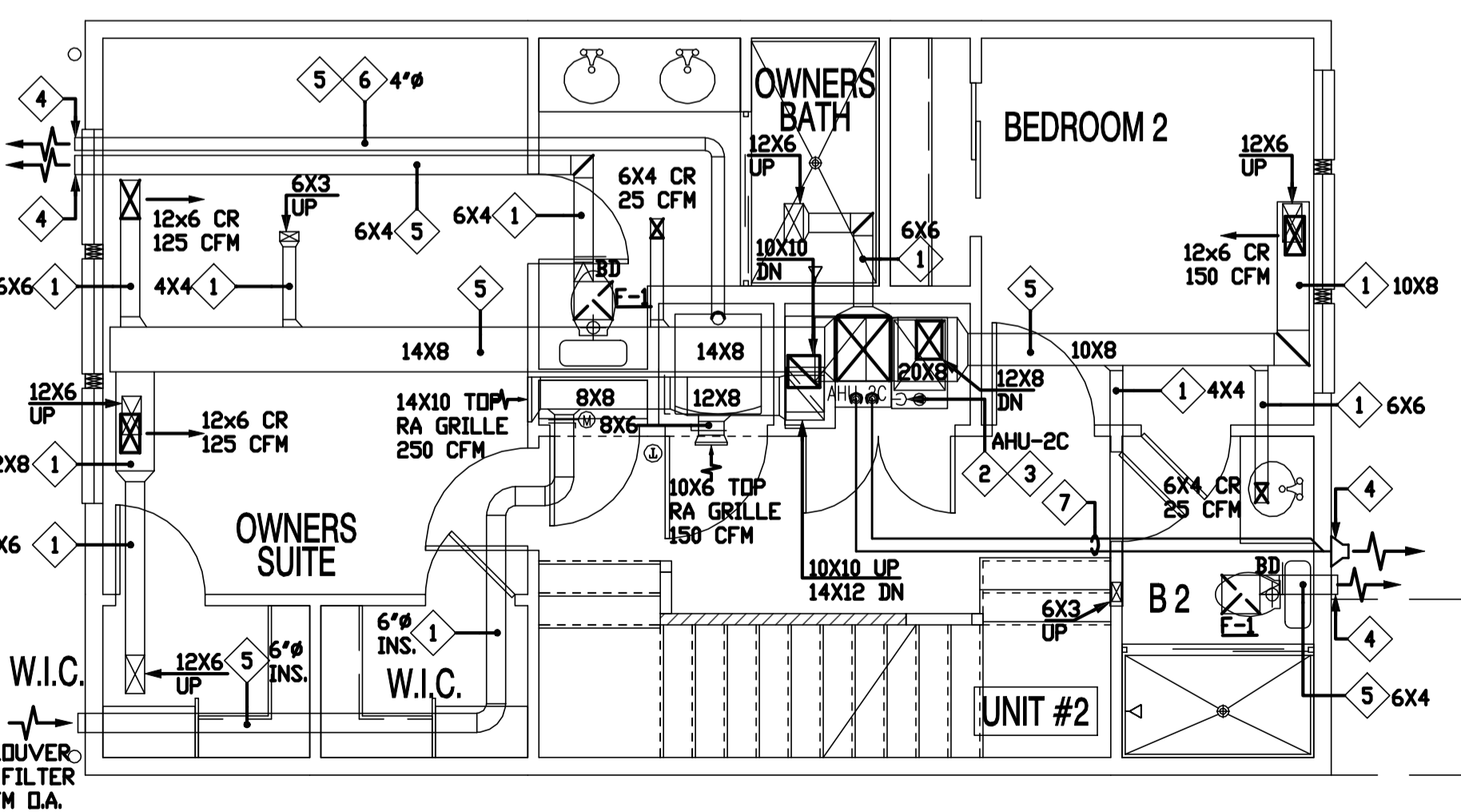
FLOOR AREAS VENTILATION ARE PROVIDED IN ACCORDANCE WITH IMC 2012.  
AHU-1C & 2C  
DESIGN DATA:  
Ez=1 Vbz/Ez = Vot  
PRIVATE DWELLINGS (LIVING AREAS)  
PER IMC 2012, VENT. RATE = 15 CFM / PERSON  
OCCUPANT DENSITY = FIRST BEDROOM : 2,  
EACH ADDITIONAL BEDROOM: 1  
NUMBER OF ROOMS PER UNIT = 4 ROOMS  
TOTAL OCCUPANCY PER UNIT = 5 PEOPLE  
VENT RATE = 15 CFM/PERSON X 5 PEOPLE = 75 CFM  
Vot=Vbz/Ez 75 / 1 = 75 CFM



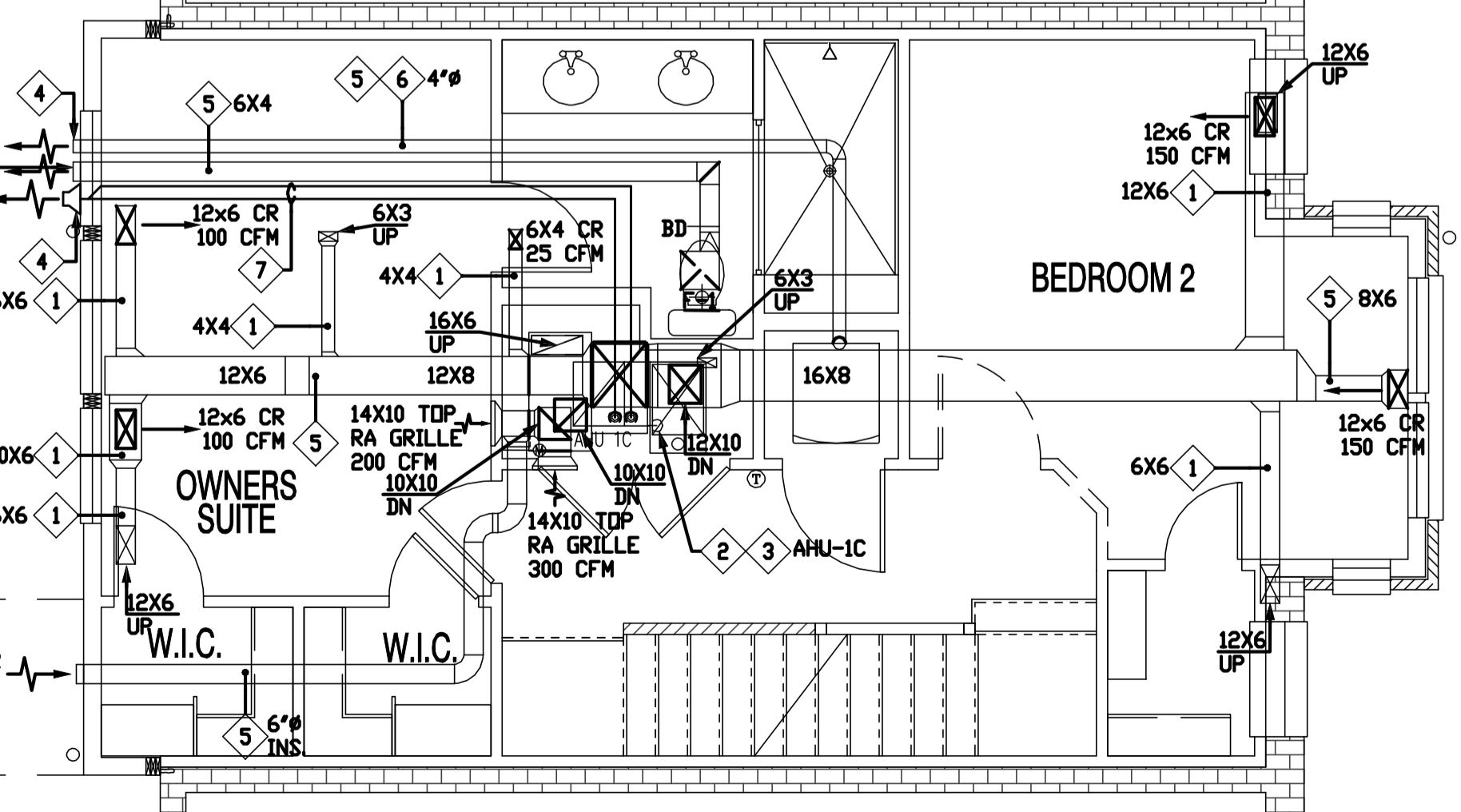
UNIT #2-THIRD FLOOR



UNIT #1-THIRD FLOOR



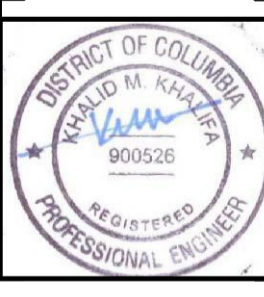
UNIT #2-SECOND FLOOR



UNIT #1-SECOND FLOOR

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

1125 7th St NE - STONY CREEK HOMES  
MECHANICAL PLAN - SECOND & THIRD FLOORS



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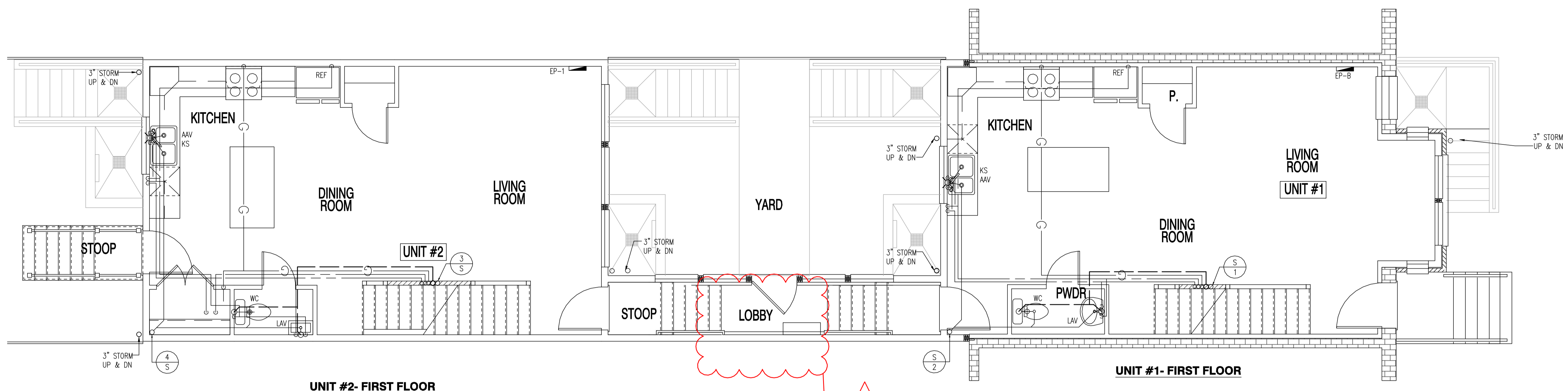
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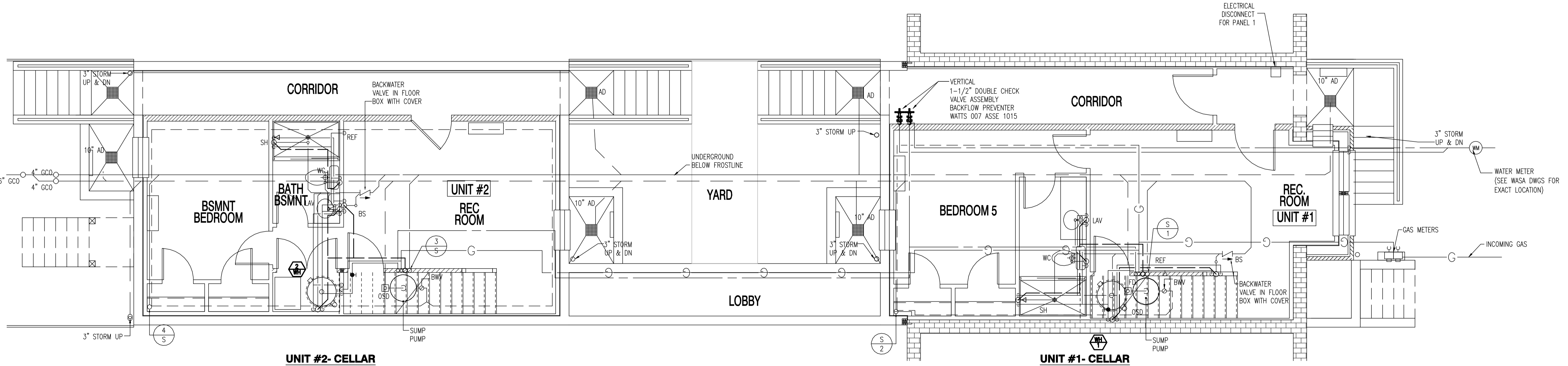
DOEE SE-SW Review - Charles Edwards - 04-18-2018  
Mechanical Review - Wayne Ferguson - 04-18-2018  
Plumbing Review - Wayne Ferguson - 04-18-2018  
Electrical Review - Alina Mahmood - 04-18-2018  
Structural Review - Bibon DeBessai - 04-18-2018  
Energy Review - Ashley Delgado - 04-18-2018  
DDOT Review - Shaun Baskerville - 04-18-2018

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UNIT #2- FIRST FLOOR

UNIT #1- FIRST FLOOR



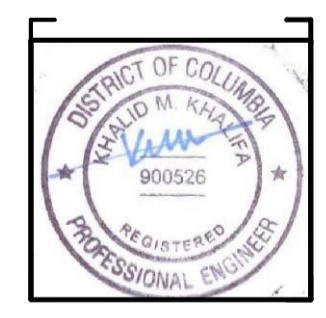
UNIT #2- CELLAR

UNIT #1- CELLAR

**A** PLUMBING PLAN  
SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

1125 7th St NE - STONY CREEK HOMES  
PLUMBING PLAN - CELLAR & FIRST FLOORS



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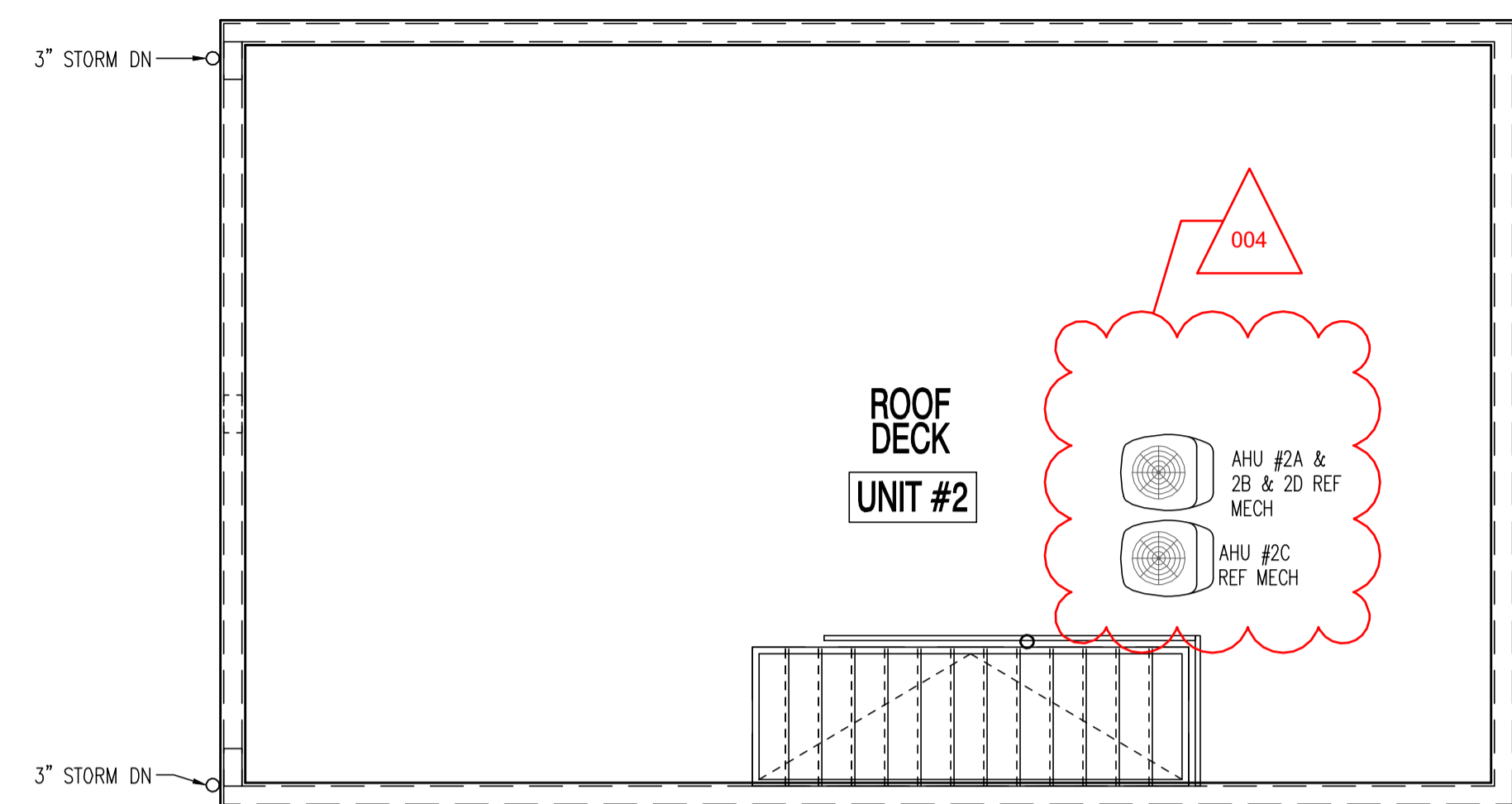
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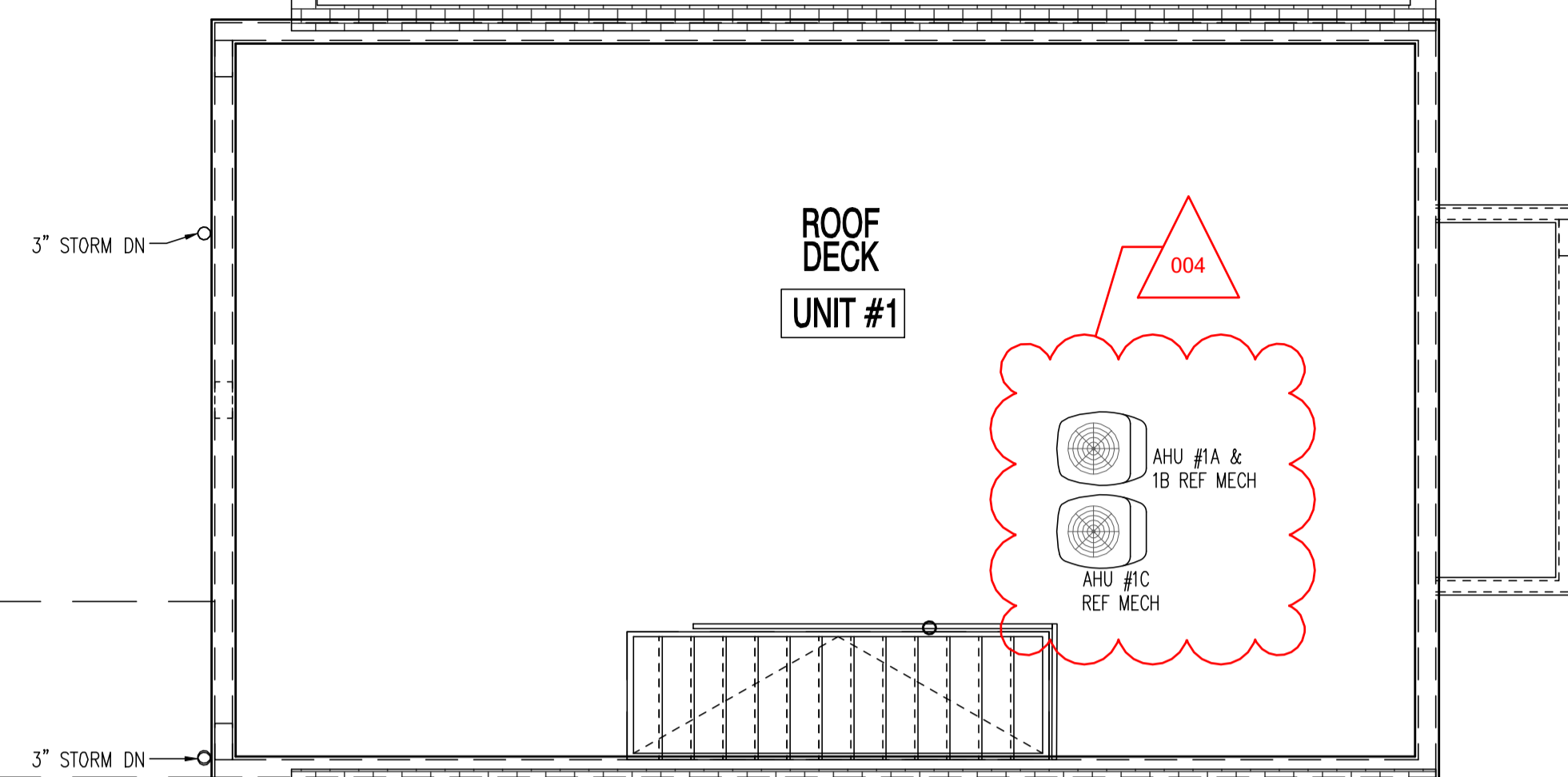
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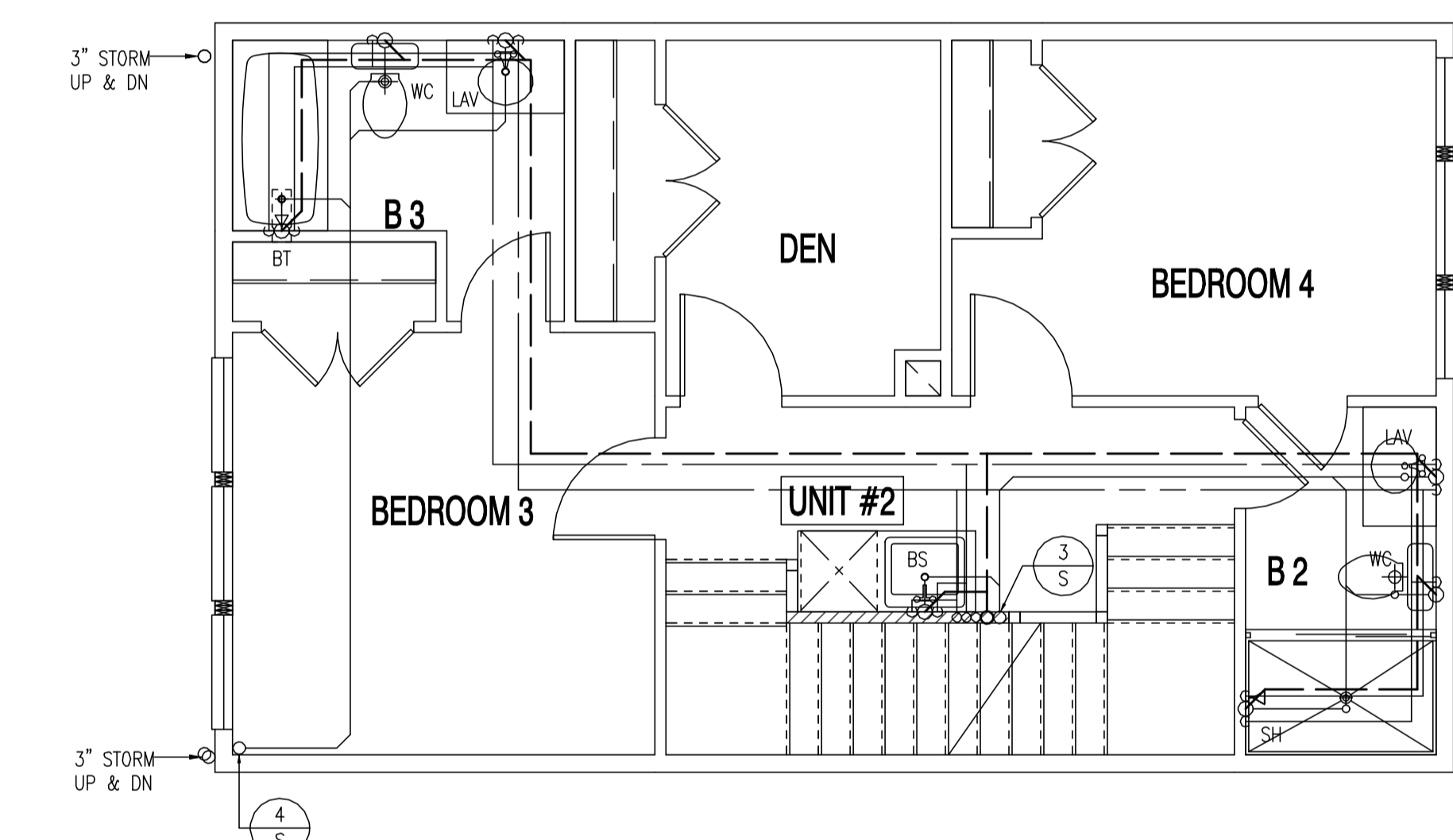
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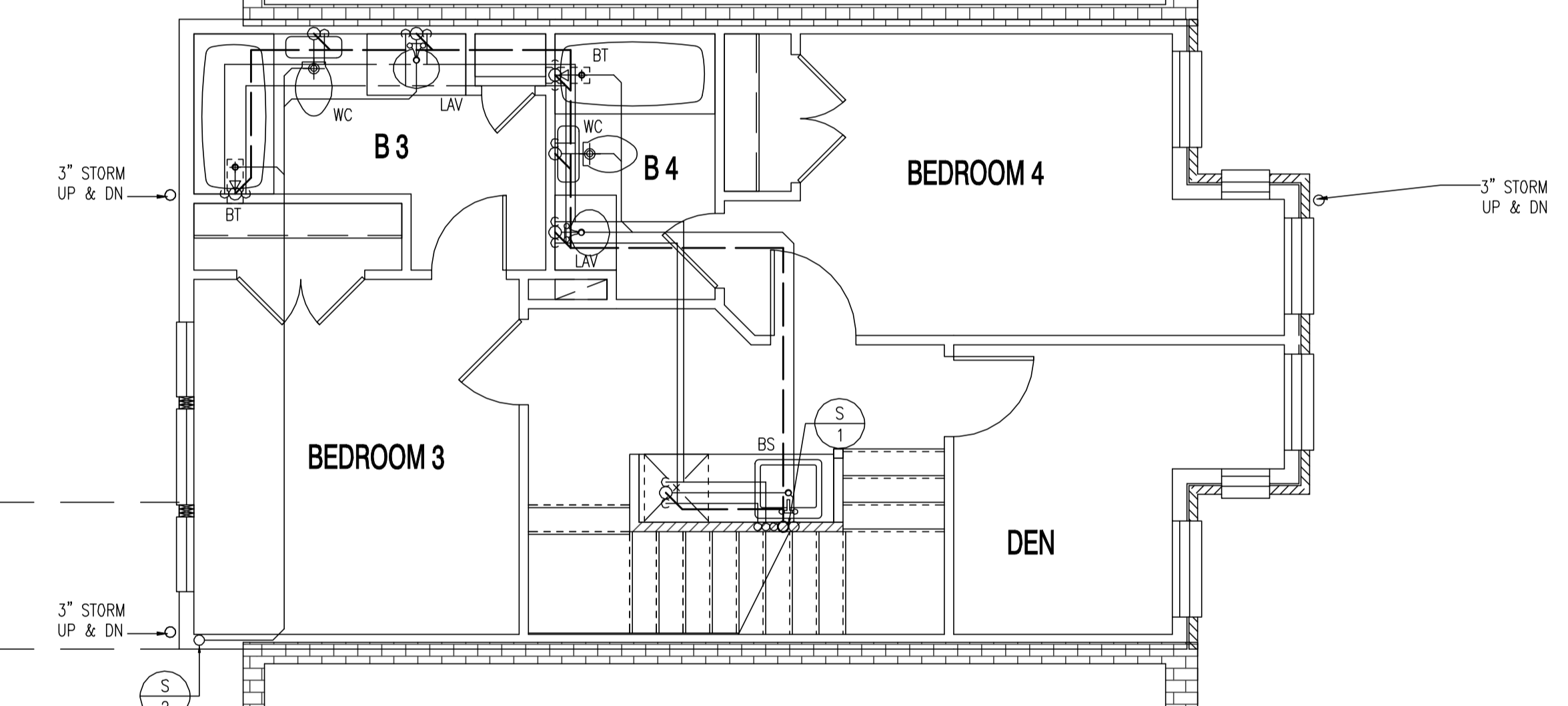
UNIT #2-ROOF DECK



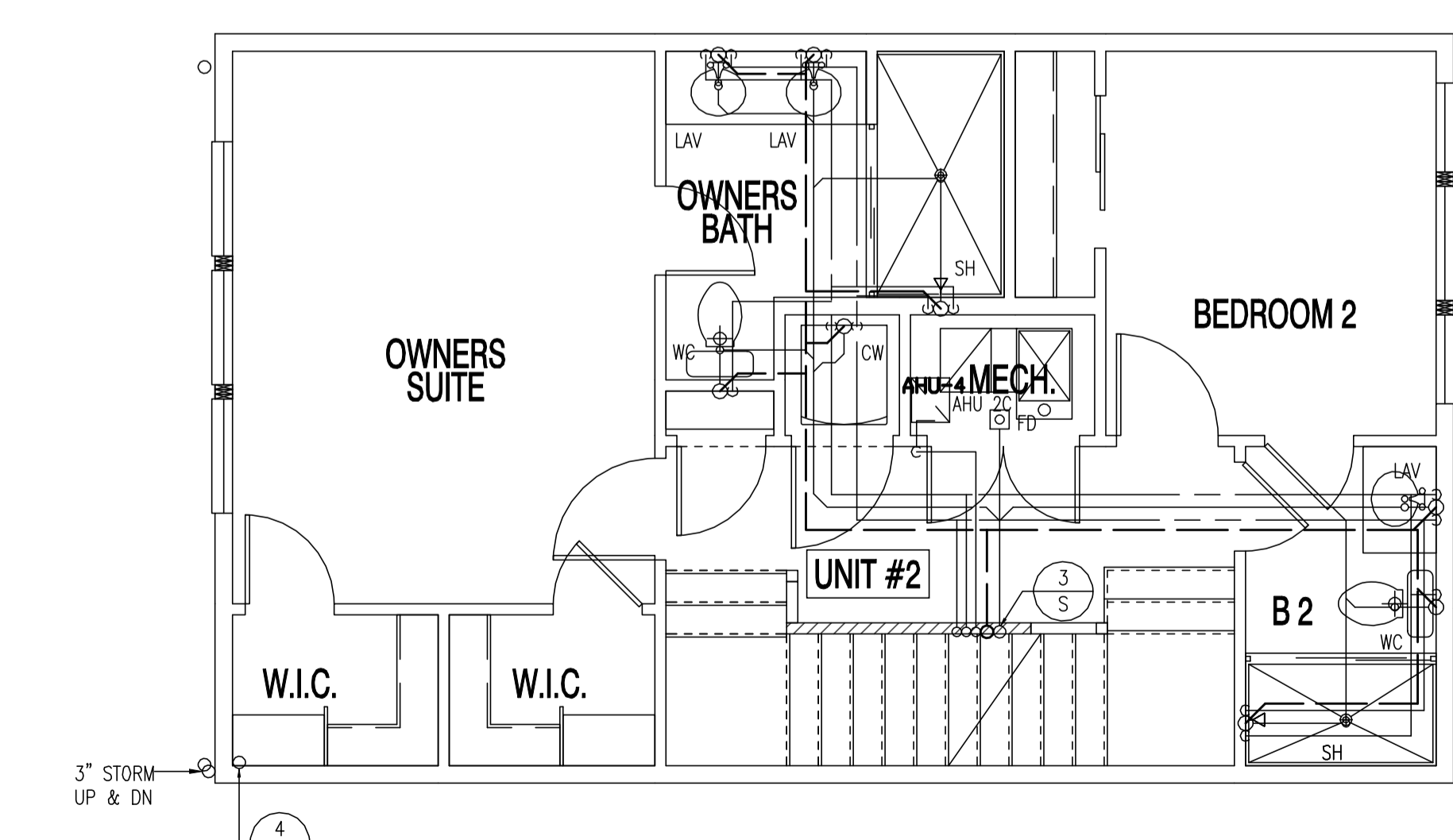
UNIT #1-ROOF DECK



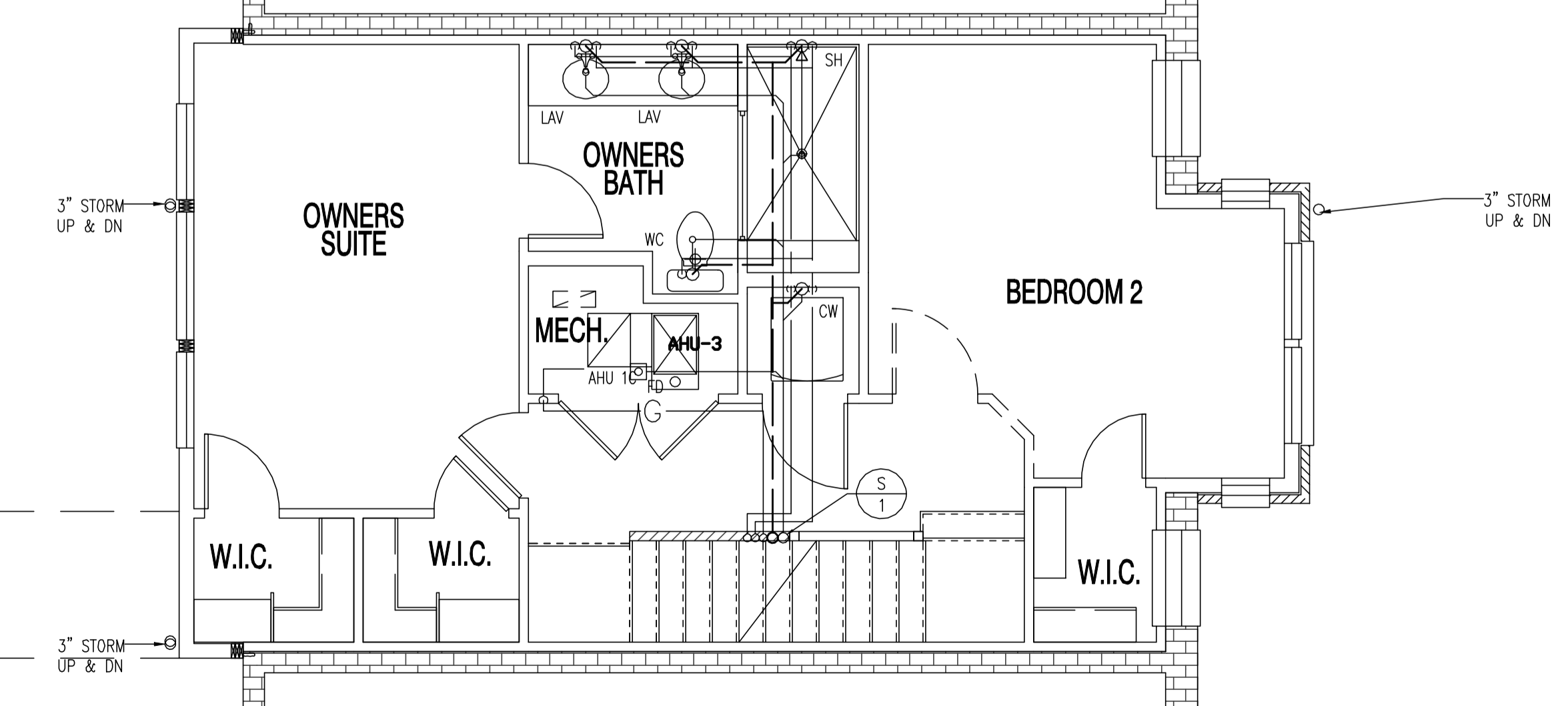
UNIT #2-THIRD FLOOR



UNIT #1-THIRD FLOOR



UNIT #2-SECOND FLOOR

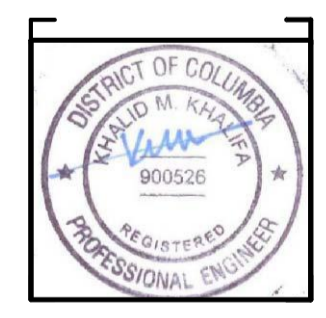


UNIT #1-SECOND FLOOR

A PLUMBING PLAN  
SCALE: 1/4" = 1'-0"

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"

1125 7th St NE - STONY CREEK HOMES  
PLUMBING PLAN - SECOND & THIRD FLOORS



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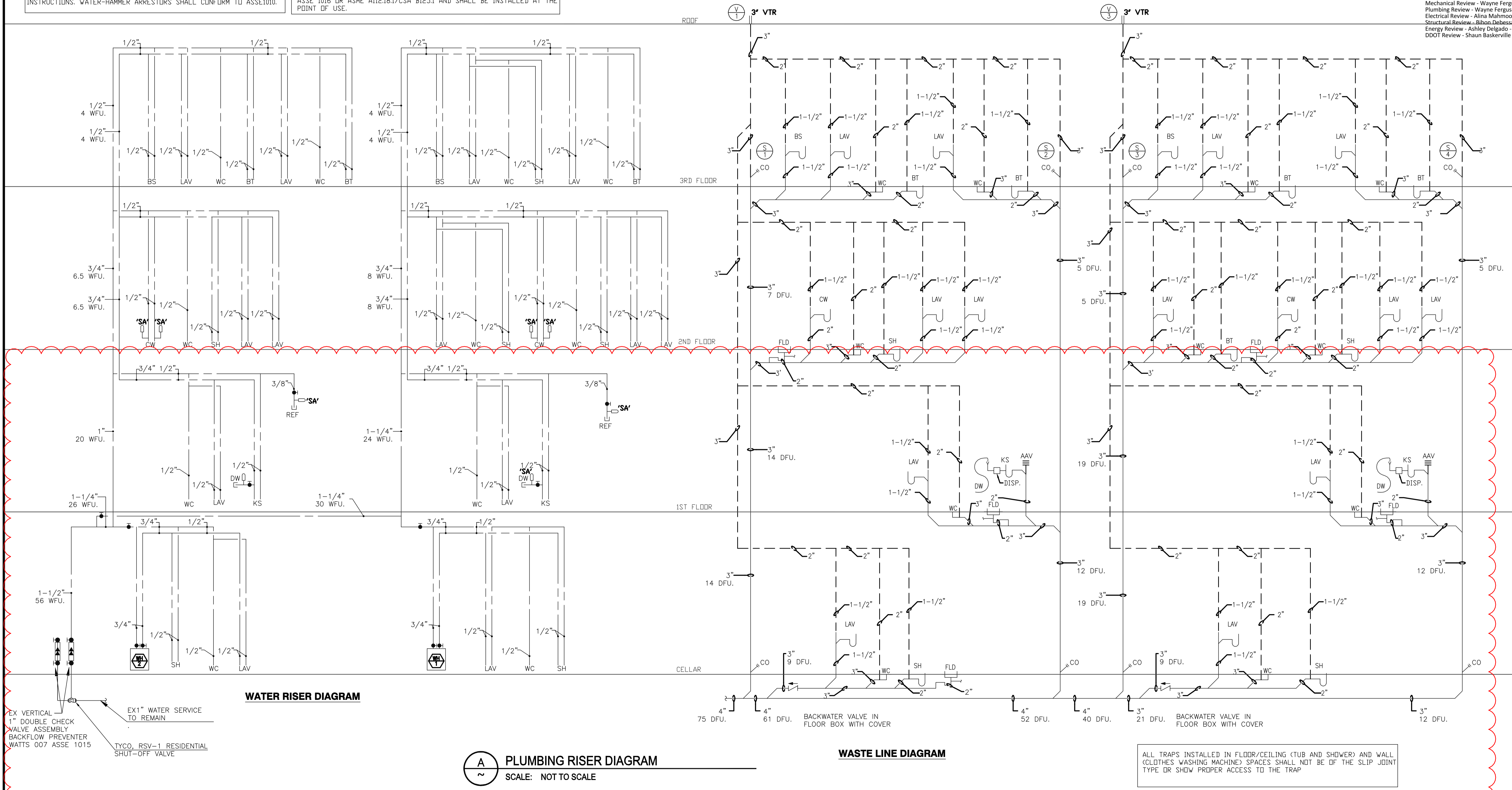
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A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE1010.

INDIVIDUAL SHOWER AND TUBSHOWER COMBINATION VALVES SHALL BE BALANCED-PRESSURE, THERMOSTATIC OR COMBINATION BALANCED-PRESSURE /THERMOSTATIC VALVES THAT CONFORM TO THE REQUIREMENTS OF ASSE 1016 OR ASME A112.18.1/CSA B125.1 AND SHALL BE INSTALLED AT THE POINT OF USE.



WATER RISER DIAGRAM

PLUMBING RISER DIAGRAM  
SCALE: NOT TO SCALE

WASTE LINE DIAGRAM

ALL TRAPS INSTALLED IN FLOOR/CEILING (TUB AND SHOWER) AND WALL (CLOTHES WASHING MACHINES) SPACES SHALL NOT BE OF THE SLIP JOINT TYPE OR SHOW PROPER ACCESS TO THE TRAP

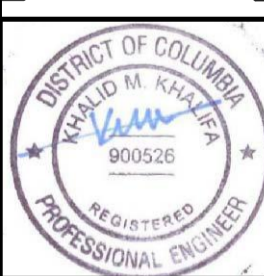
EX VERTICAL 1" DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER WATTS 007 ASSE 1015  
EX1" WATER SERVICE TO REMAIN  
TYCO, RSV-1 RESIDENTIAL SHUT-OFF VALVE

BACKWATER VALVE IN FLOOR BOX WITH COVER

BACKWATER VALVE IN FLOOR BOX WITH COVER

003

1125 7th St NE - STONY CREEK HOMES  
PLUMBING RISER DIAGRAMS  
22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8"=1'-0"



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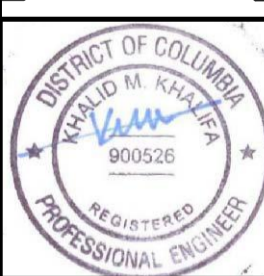
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P.03

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1125 7th St NE - STONY CREEK HOMES  
PLUMBING RISER DIAGRAMS

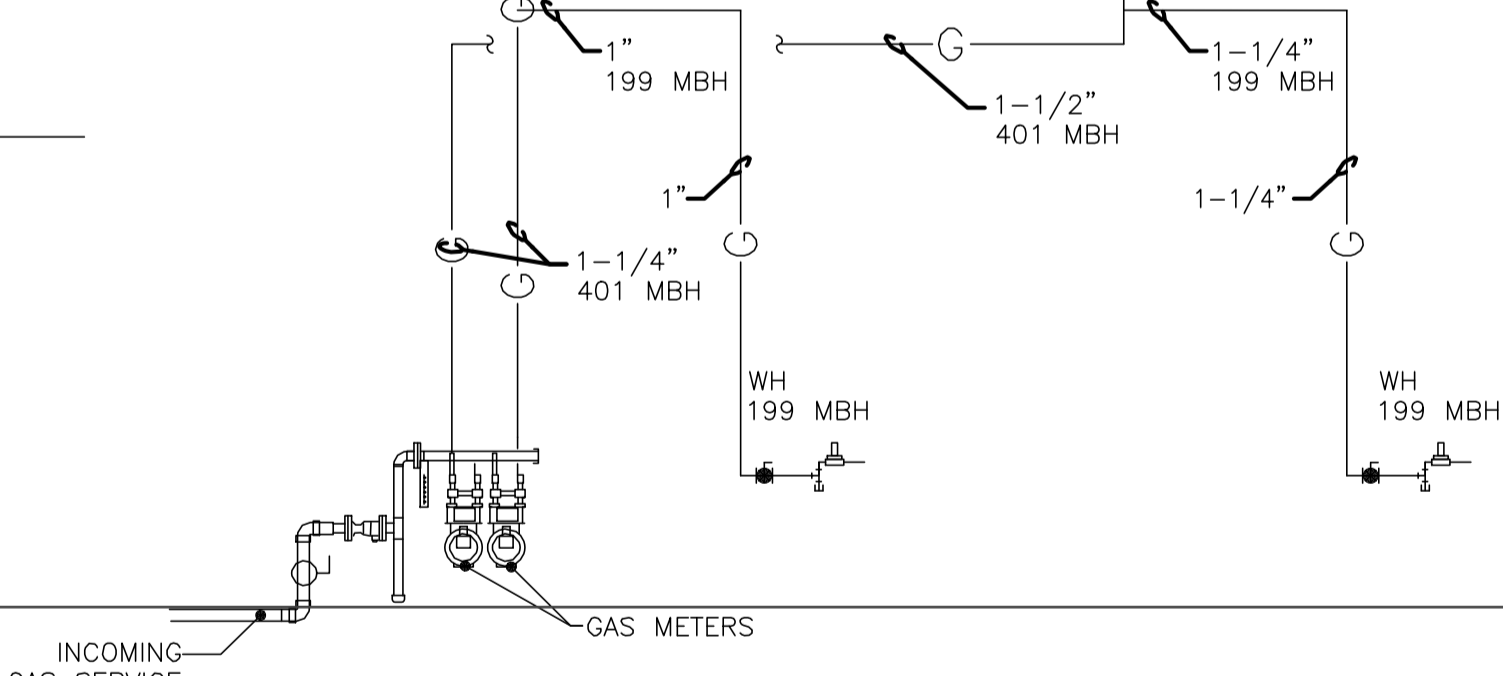
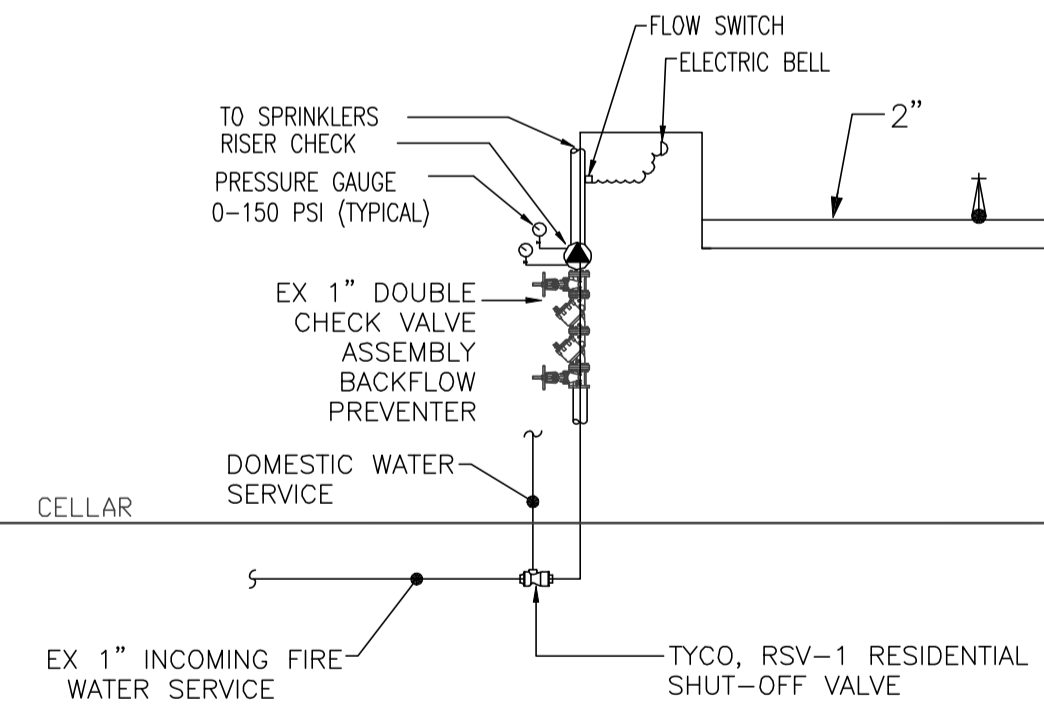
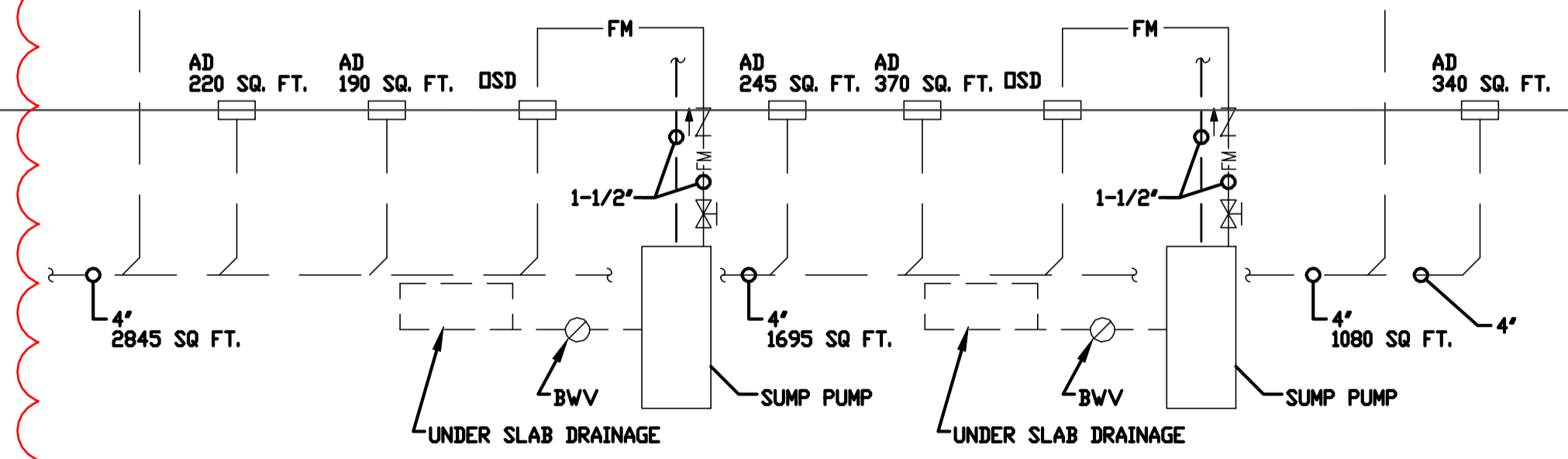
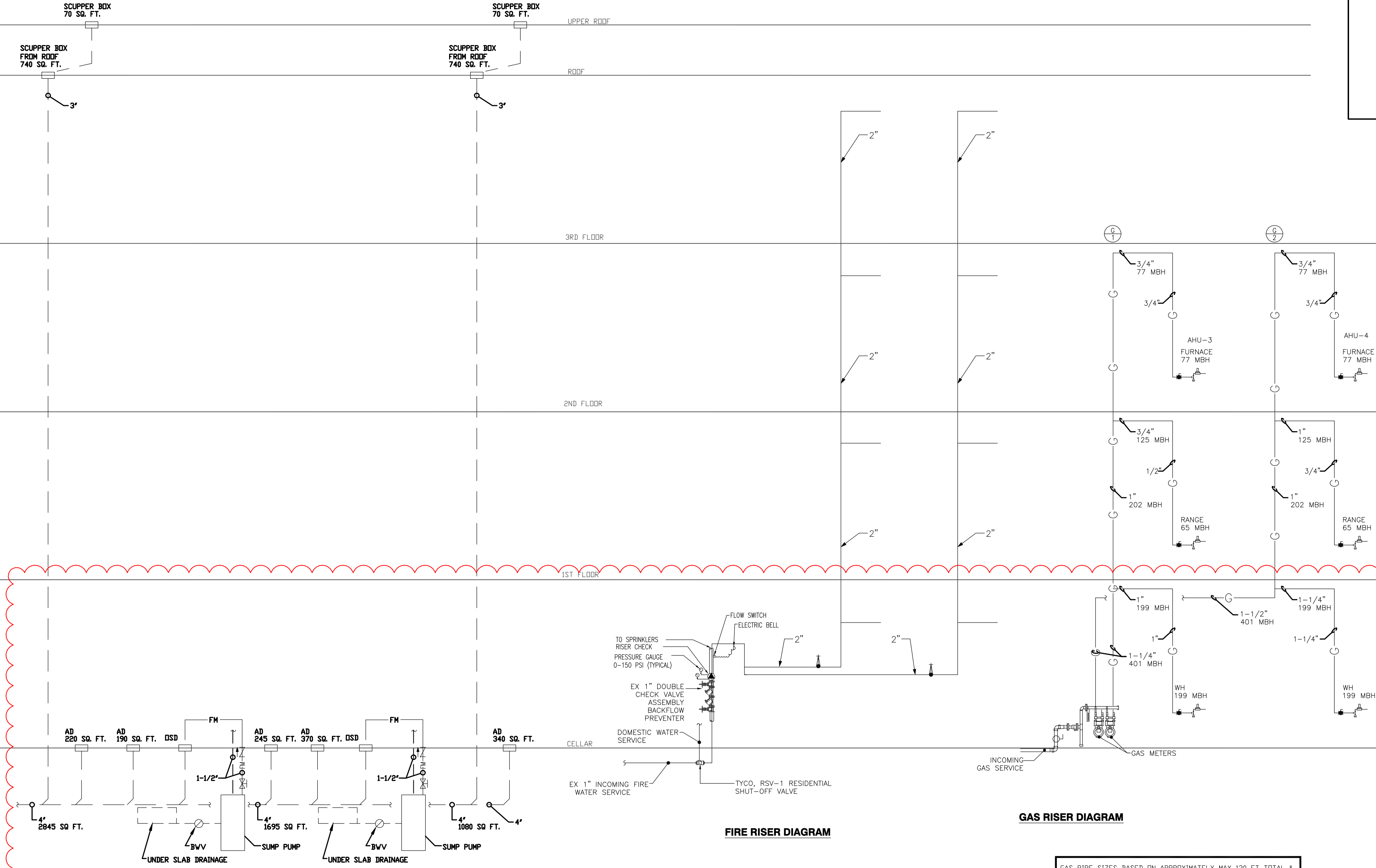


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P.04

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8"=1'-0"



STORM RISER DIAGRAM

FIRE RISER DIAGRAM

GAS RISER DIAGRAM

**A** PLUMBING RISER DIAGRAM  
SCALE: NOT TO SCALE

GAS PIPE SIZES BASED ON APPROXIMATELY MAX 130 FT TOTAL & MIN 50 FT EQUIVALENT LENGTH OF PIPES RUN, FROM GAS METER TO MOST REMOTE NEW EQUIPMENT CONNECTION.  
SPECIFIC GRAVITY: 0.6, PRESSURE DROP: 0.5 INCH WC,  
GAS PRESSURE: LESS THAN 2 PSI TABLE 402.4(2)  
GAS METER, SERVICE & REGULATOR BY LOCAL GAS UTILITY CO.  
TOTAL LOAD = 802 MBH.