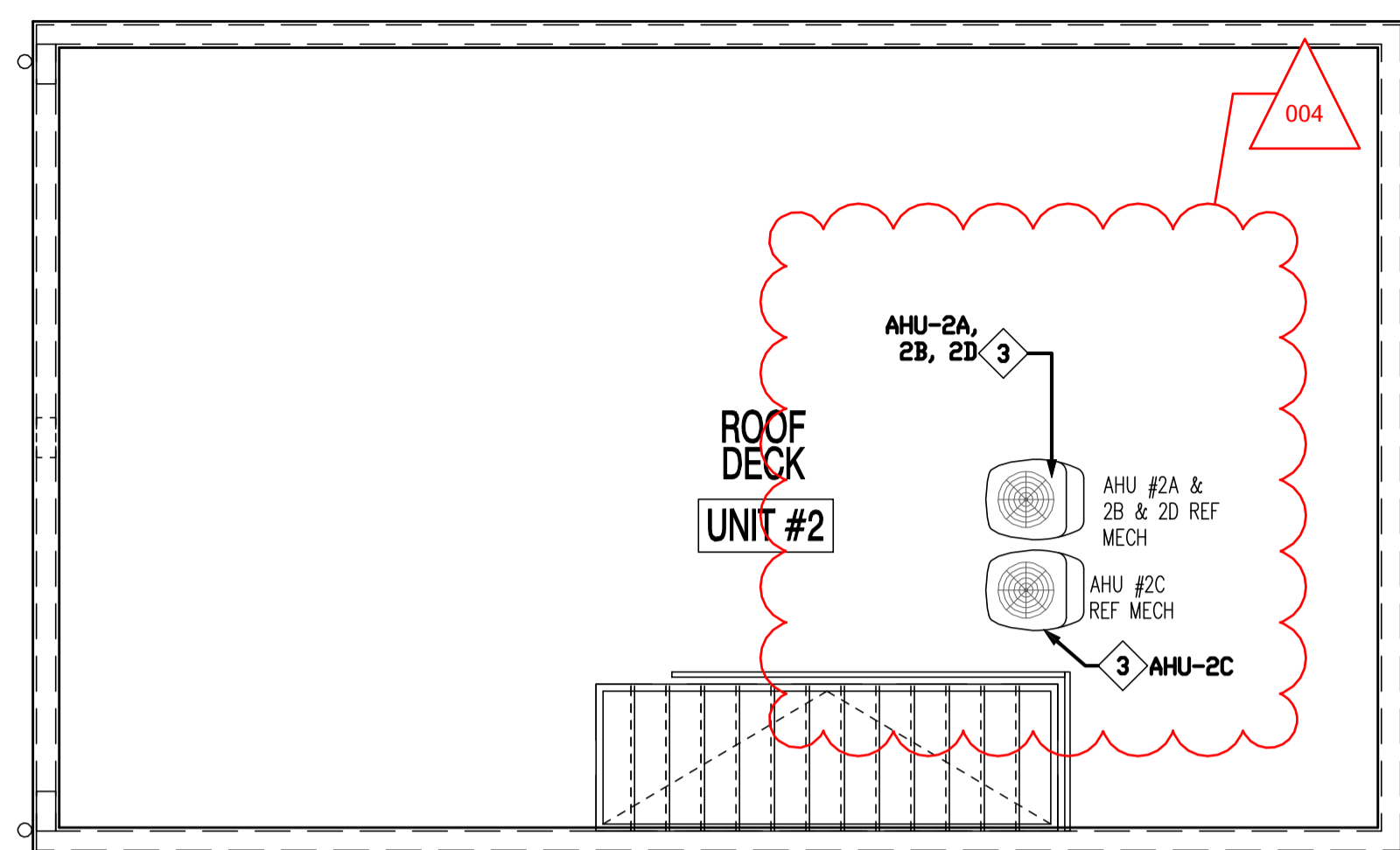
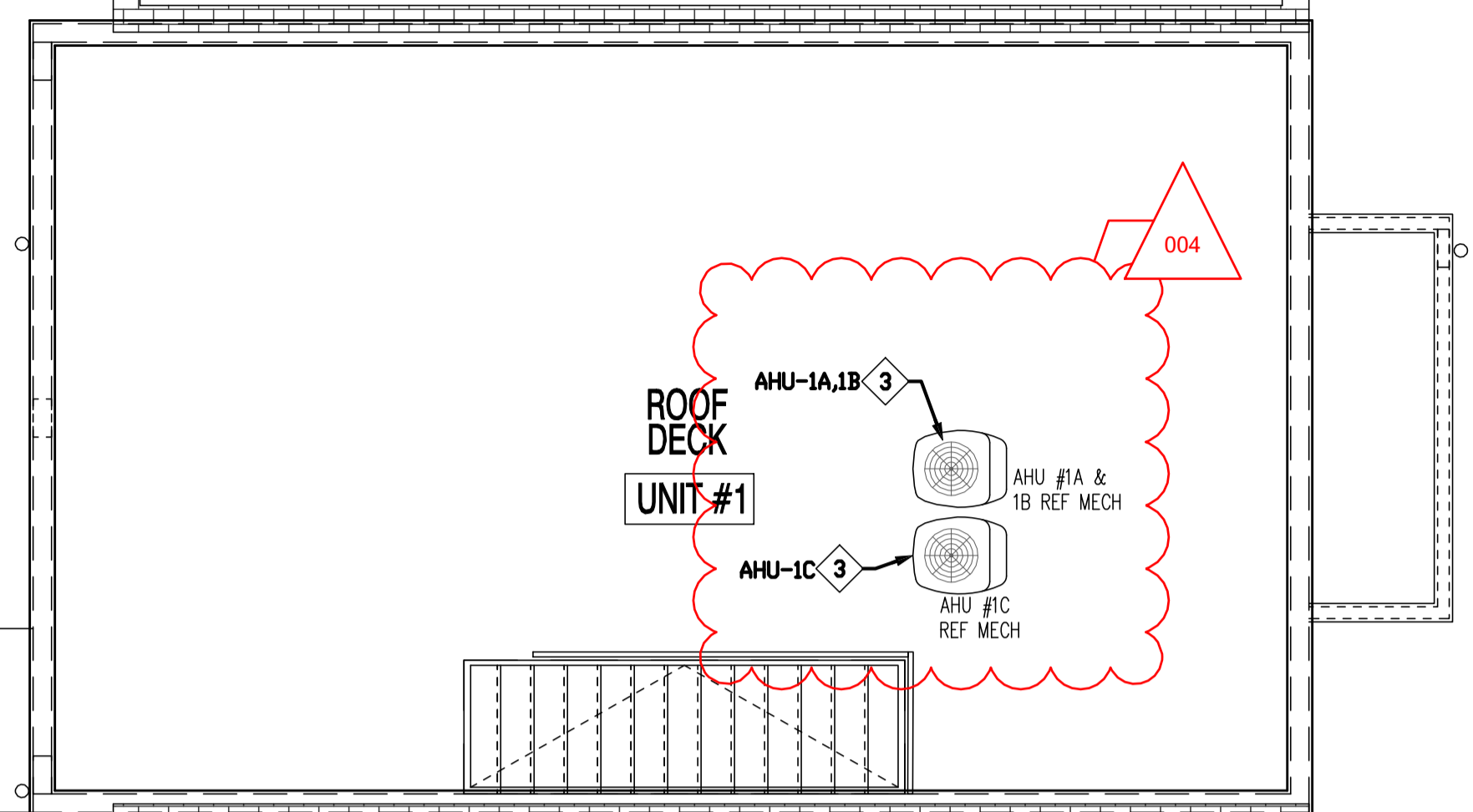


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**USPLIT SYSTEM GAS FIRED  
AC UNIT-1C&2C**  
INDOOR UNIT(AHU-1C&2C)-TRANE HORIZONTAL FURNACE MODEL"TUH1B080A9421C"  
AIR LEAKAGE SHALL BE 2% OR LESS , 1400 CFM @ 0.5" E.S.P., HEATING CAPACITY: 77 MBH GAS INPUT, 73.15 MBH GAS OUTPUT.  
DX-C: TRANE 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**

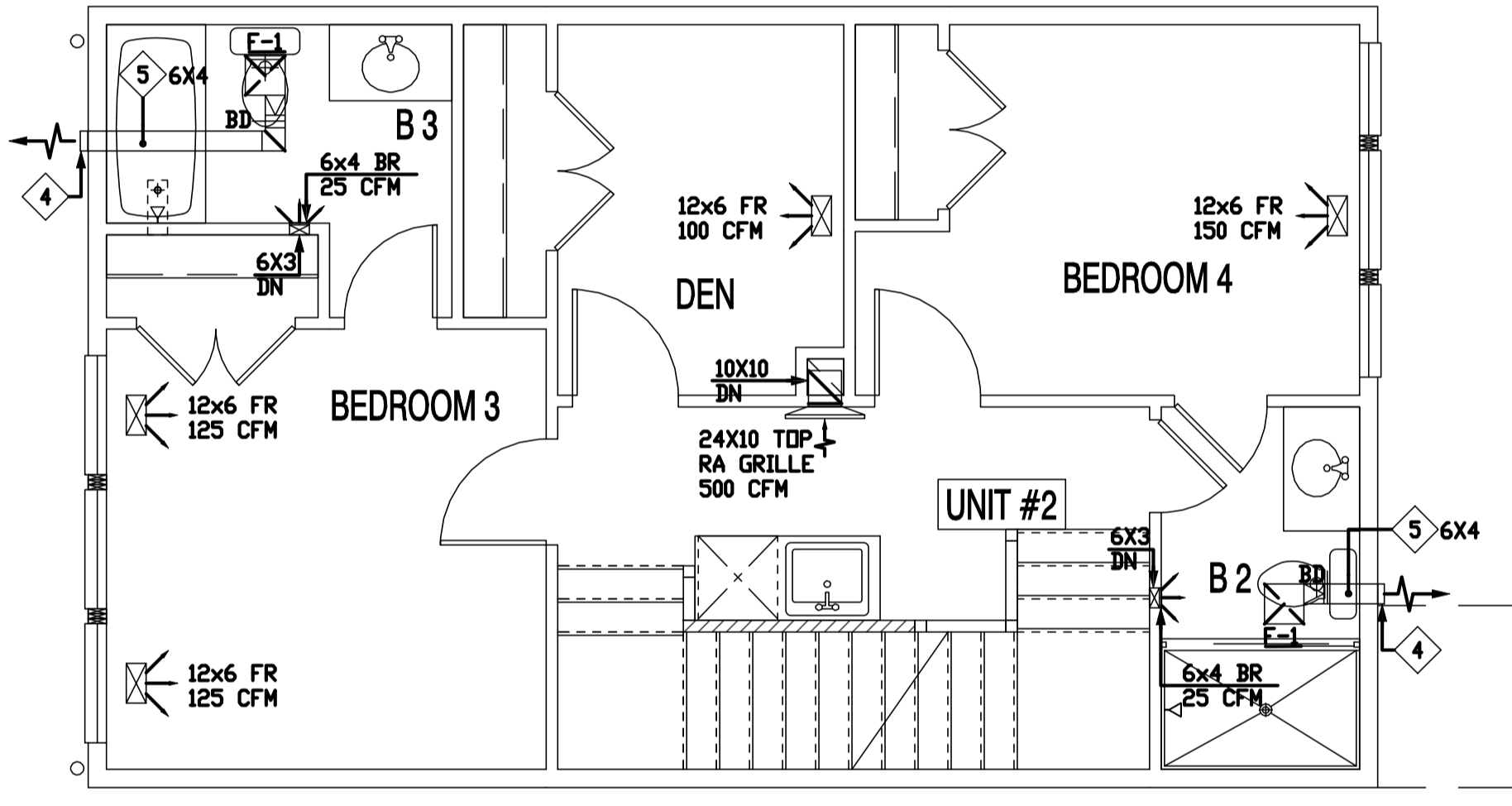
A.F.F.	ABOVE FINISH
A.H.U.	AIR HANDLING UNIT
ACC	AIR COOLER
A.D.	ACCESS DOOR
A.P.	ACCESS PANEL
A.P.D.	AIR PRESSURE DROP
B.H.P.	BRAKE HORSEPOWER
B.T.U.'S	BRITISH THERMAL UNITS
B.T.U.H.	BRITISH THERMAL UNITS PER HOUR
BR	BOTTOM REGISTER
C	CENTER
C.D.	CEILING DIFFUSER
CR	CEILING REGISTER
C.F.M.	CUBIC FEET 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**

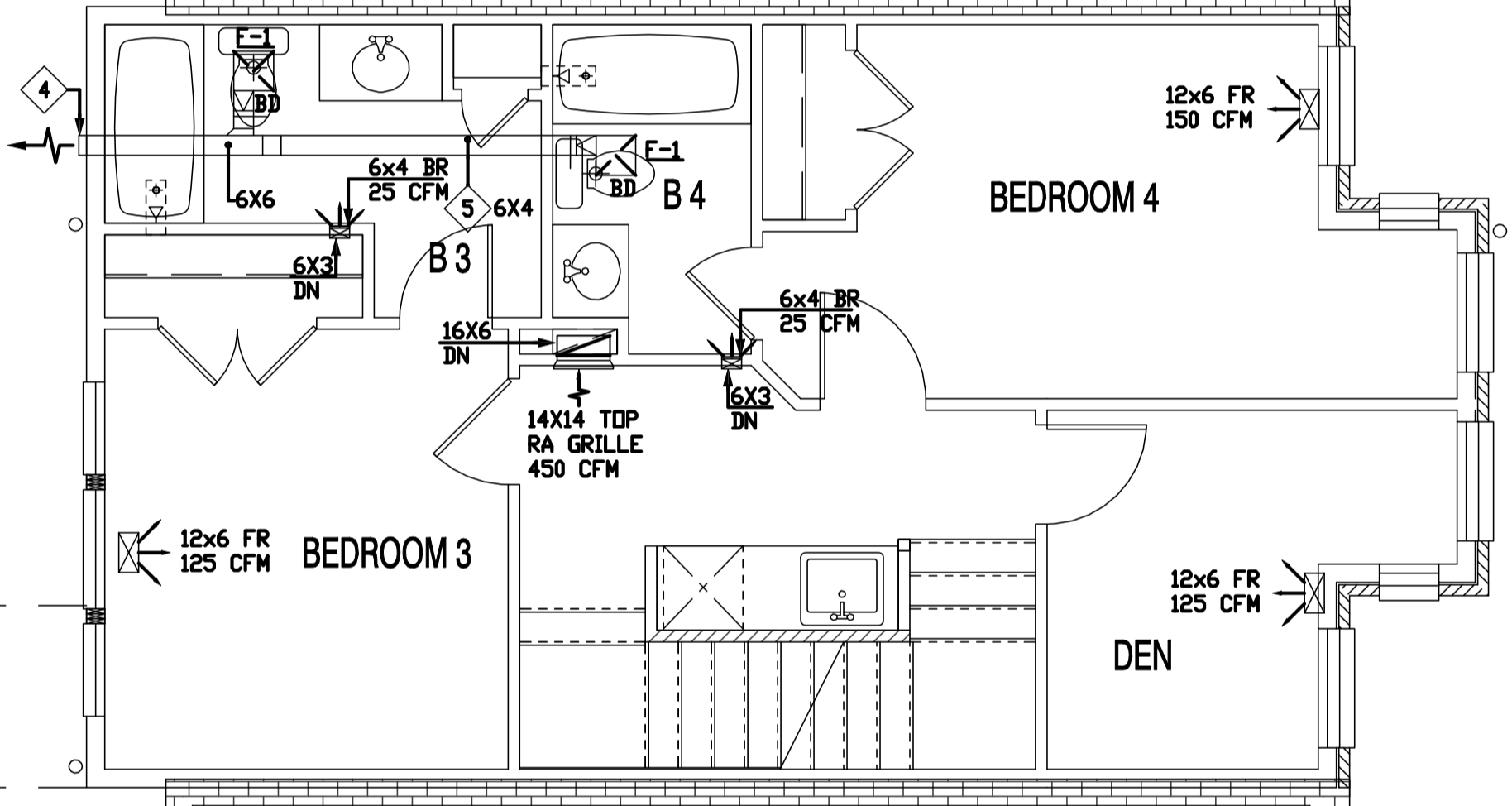
1. RUN DUCTWORK BETWEEN TRUSSES.
2. 3/4" CONDENSATE DRAIN SPILL OVER FLOOR DRAIN.
3. INSTALL, SIZE, AND ROUTE REFRIGERATION PIPING AS RECOMMENDED BY SPLIT SYSTEM MANUFACTURER.
4. WALL CAP MATCHING DUCT SIZE.
5. RUN DUCTWORK THROUGH TRUSSES.
6. DRYER EXHAUST DUCTWORK ROUTING AND CONFIGURATION SHALL MEET DRYER MANUFACTURER INSTALLATION REQUIREMENT & INACCORDANCE TO IMC SECTION 504.6.
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**

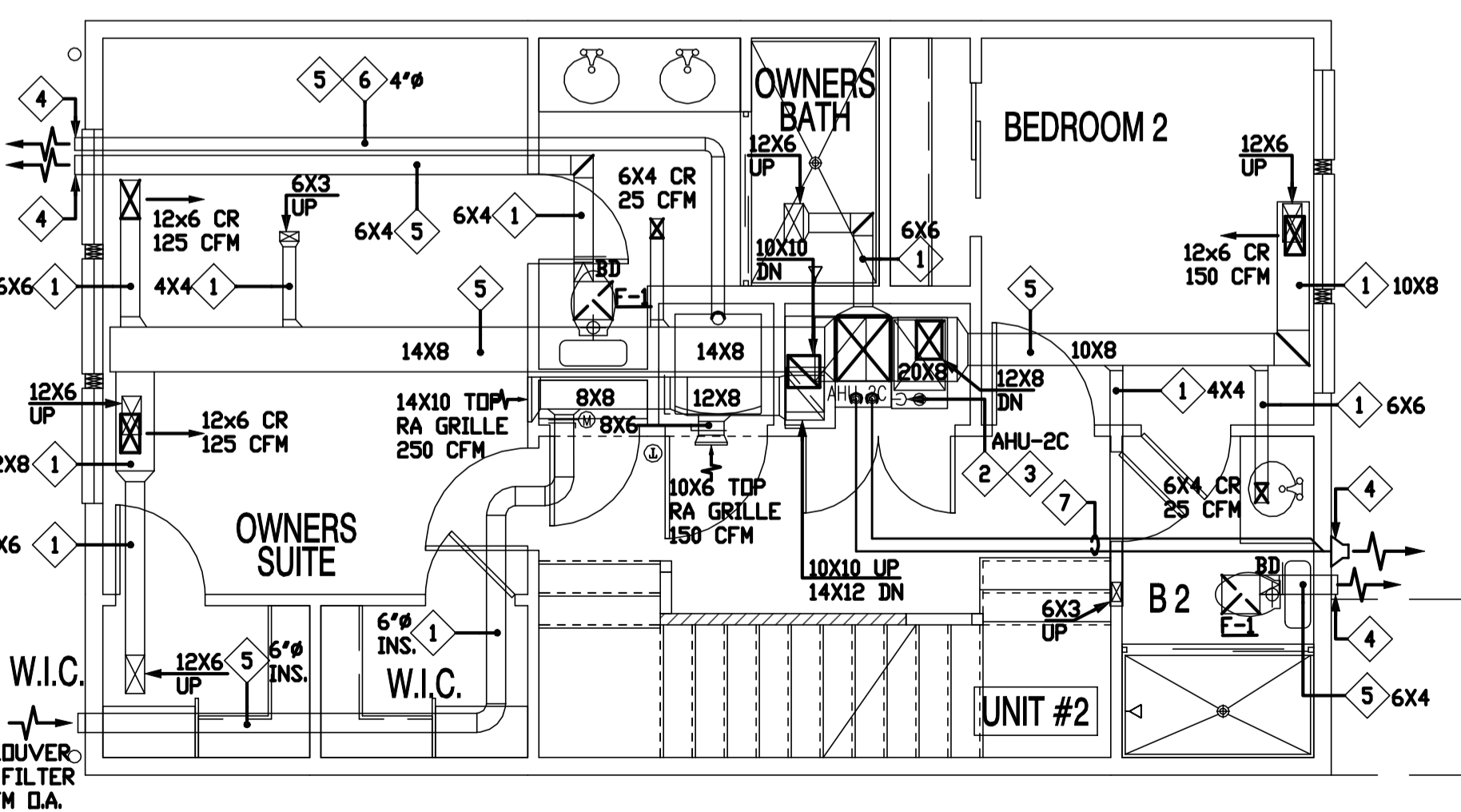
FLOOR AREA VENTILATION ARE PROVIDED IN ACCORDANCE WITH IMC 2012.  
AHU-1C & 2C  
DESIGN DATA:  
Ez=1 Vbz/Ez = Vot  
PRIVATE DWELLINGS (LIVING AREAS)  
PER IMC 2012, VENT. RATE = 15 CFM / PERSON  
OCCUPANT DENSITY = FIRST BEDROOM : 2,  
EACH ADDITIONAL BEDROOM: 1  
NUMBER OF ROOMS PER UNIT = 4 ROOMS 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



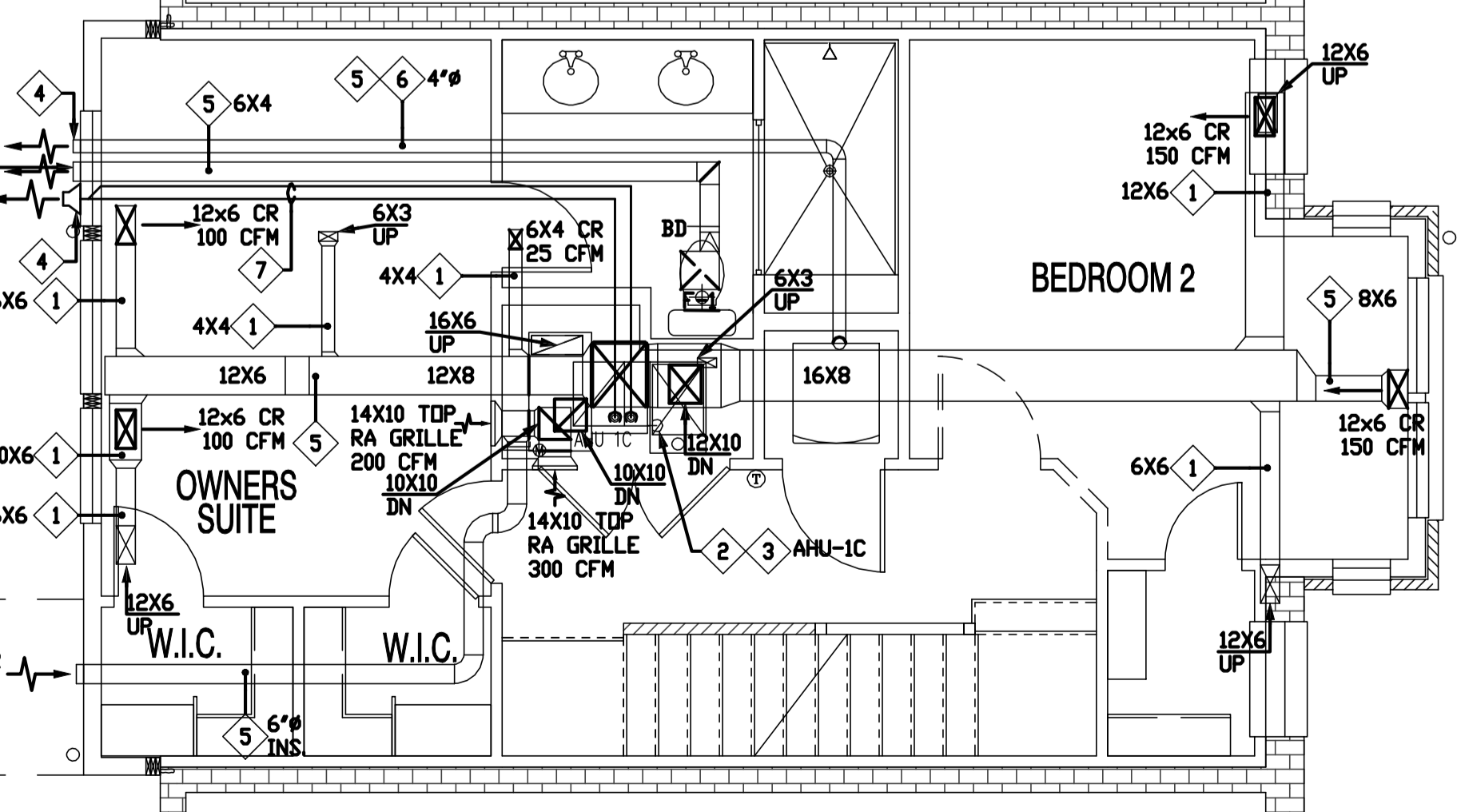
UNIT #2-THIRD FLOOR



UNIT #1-THIRD FLOOR



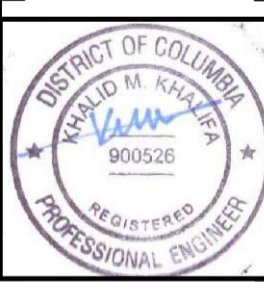
UNIT #2-SECOND FLOOR



UNIT #1-SECOND FLOOR

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

1125 7th St NE - STONY CREEK HOMES  
MECHANICAL PLAN - SECOND & THIRD FLOORS  
22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"



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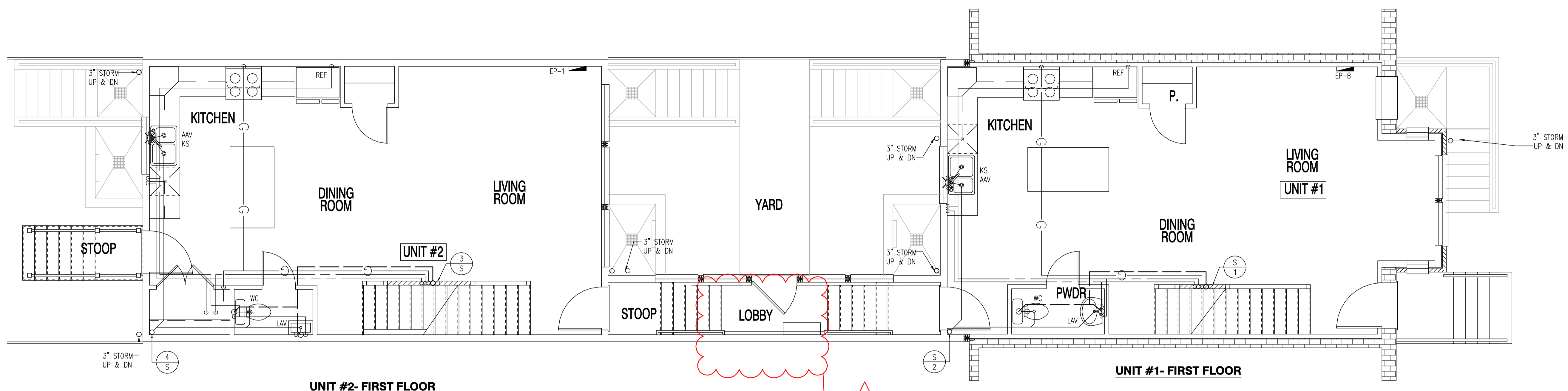
01.01.17

SHEET No.  
M.02  
Board of Professional Adjustment  
District of Columbia  
CASE NO. 19850  
EXHIBIT NO. 4283

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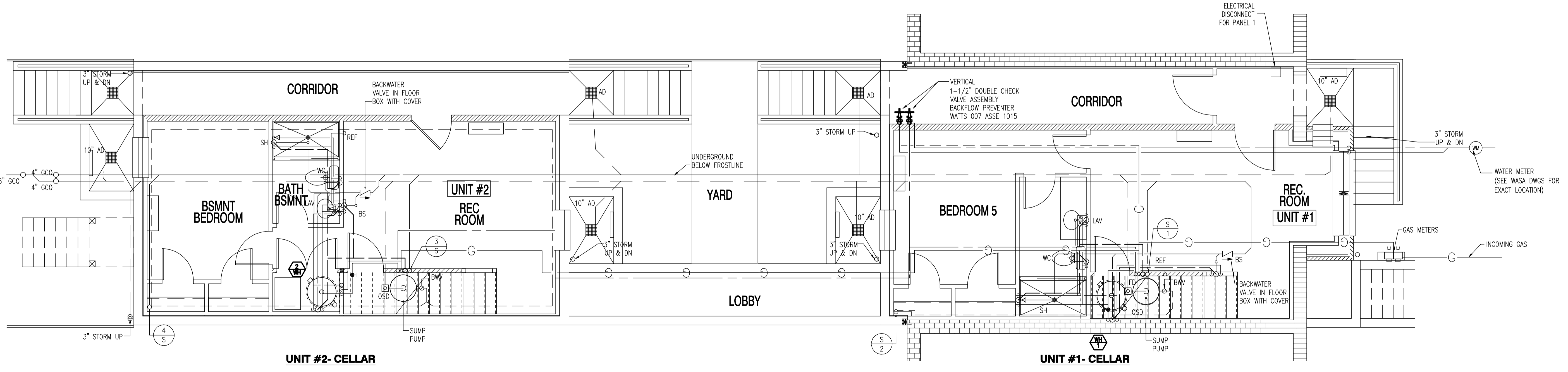
DOEE SE-SW Review - Charles Edwards - 04-18-2018  
Mechanical Review - Wayne Ferguson - 04-18-2018  
Plumbing Review - Wayne Ferguson - 04-18-2018  
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Energy Review - Ashley Delgado - 04-18-2018  
DDOT Review - Shaun Baskerville - 04-18-2018

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UNIT #2- FIRST FLOOR

UNIT #1- FIRST FLOOR



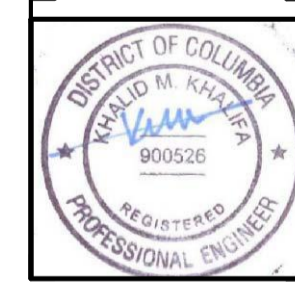
UNIT #2- CELLAR

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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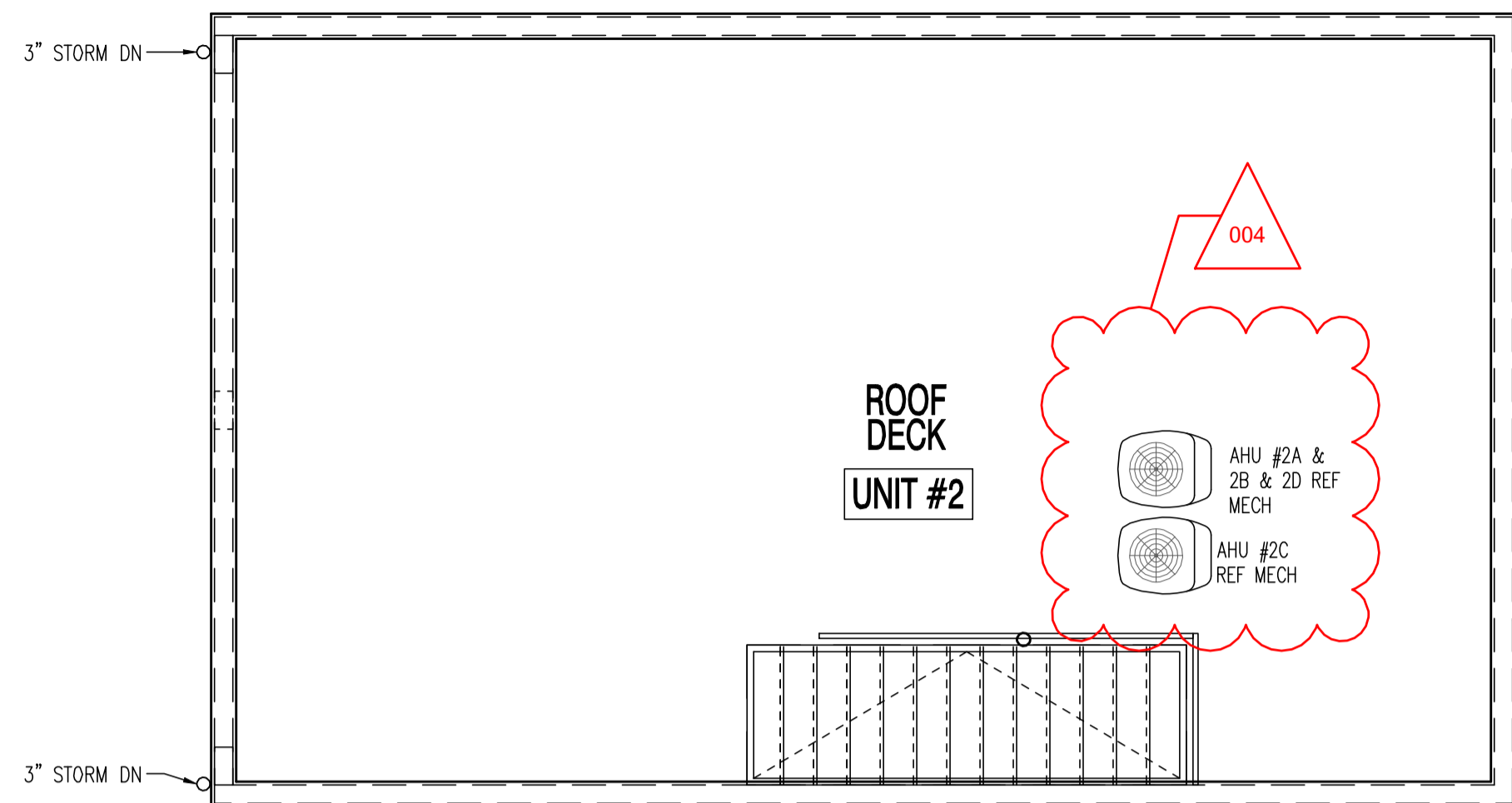
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P.01

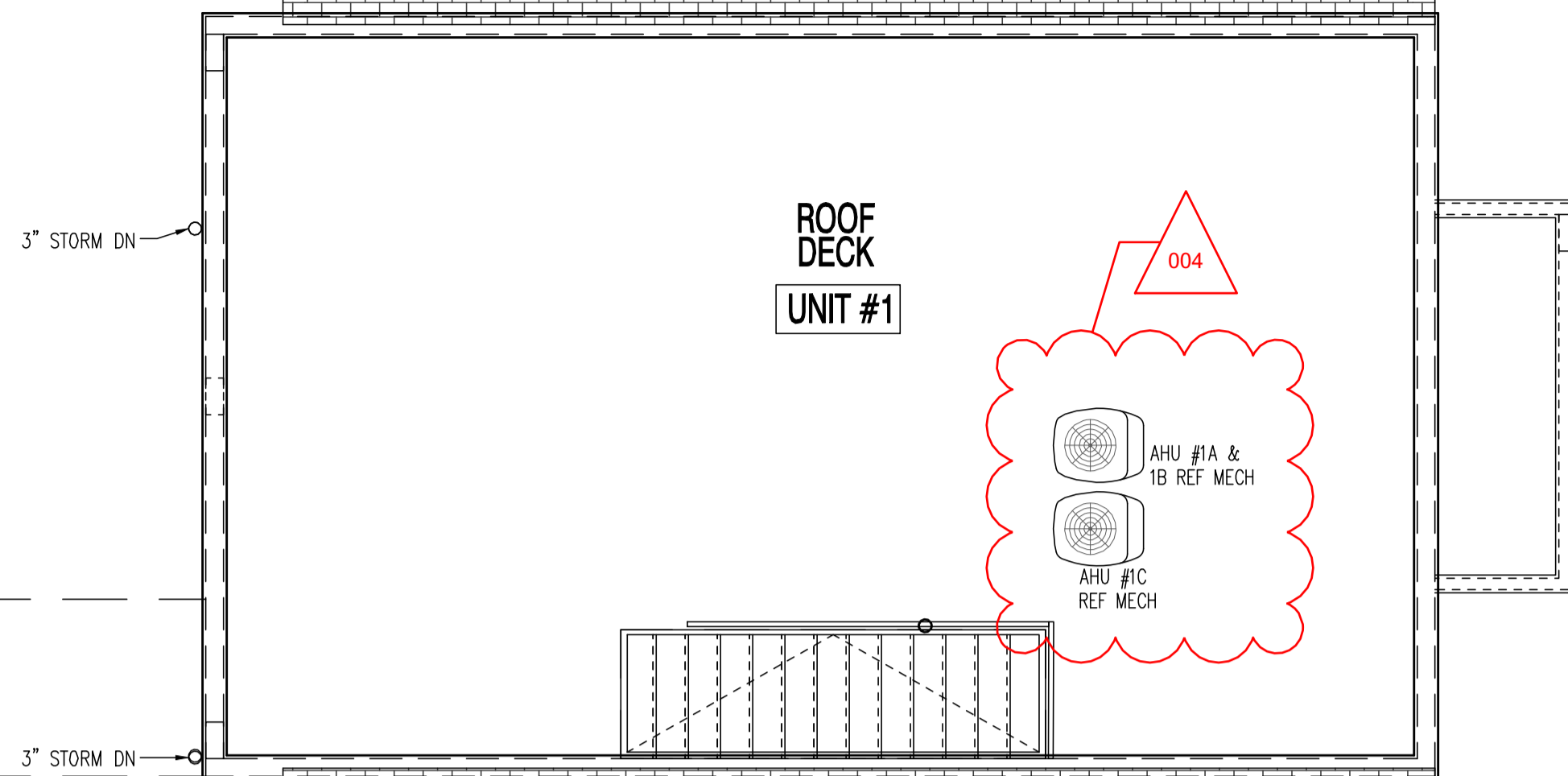
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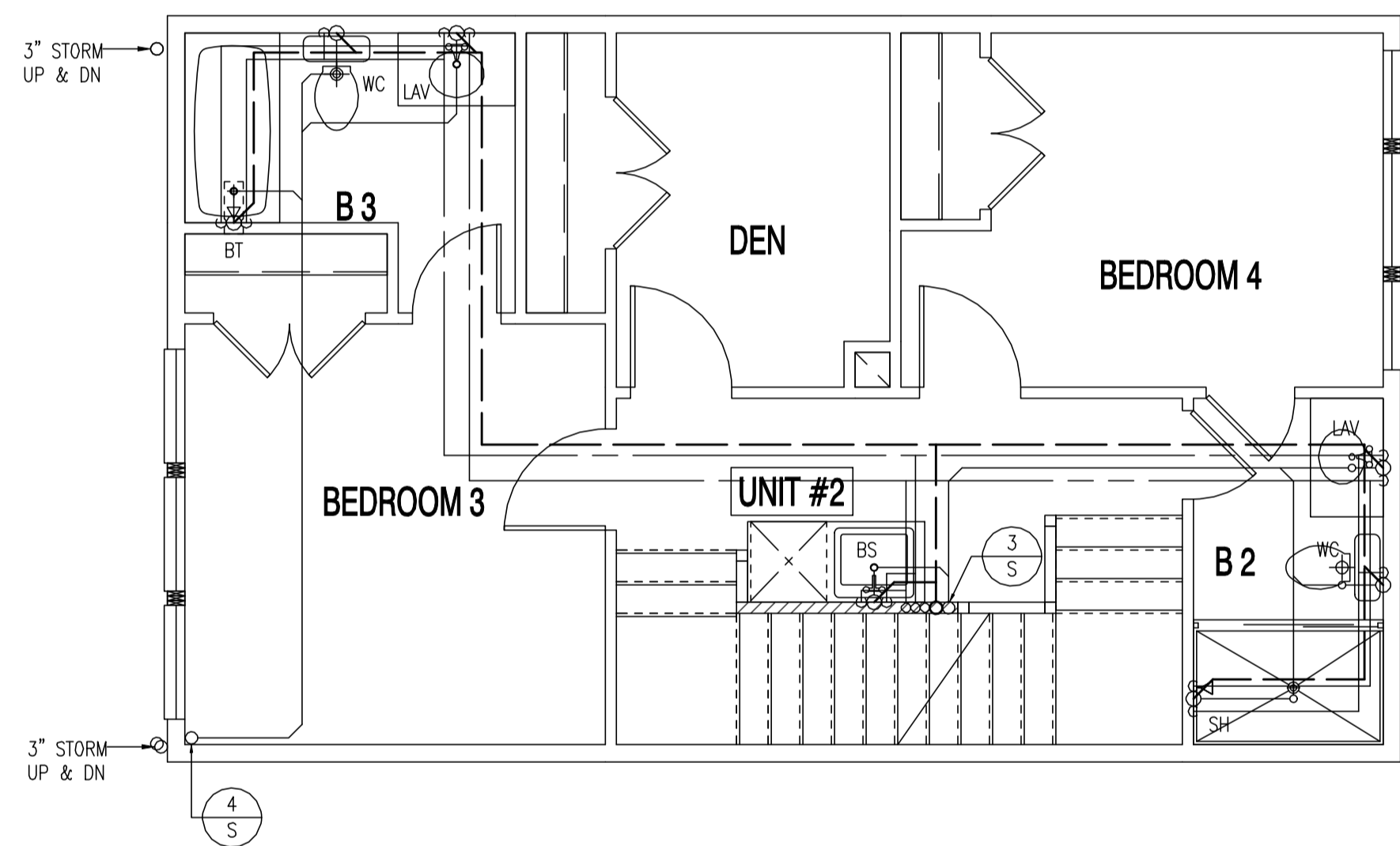
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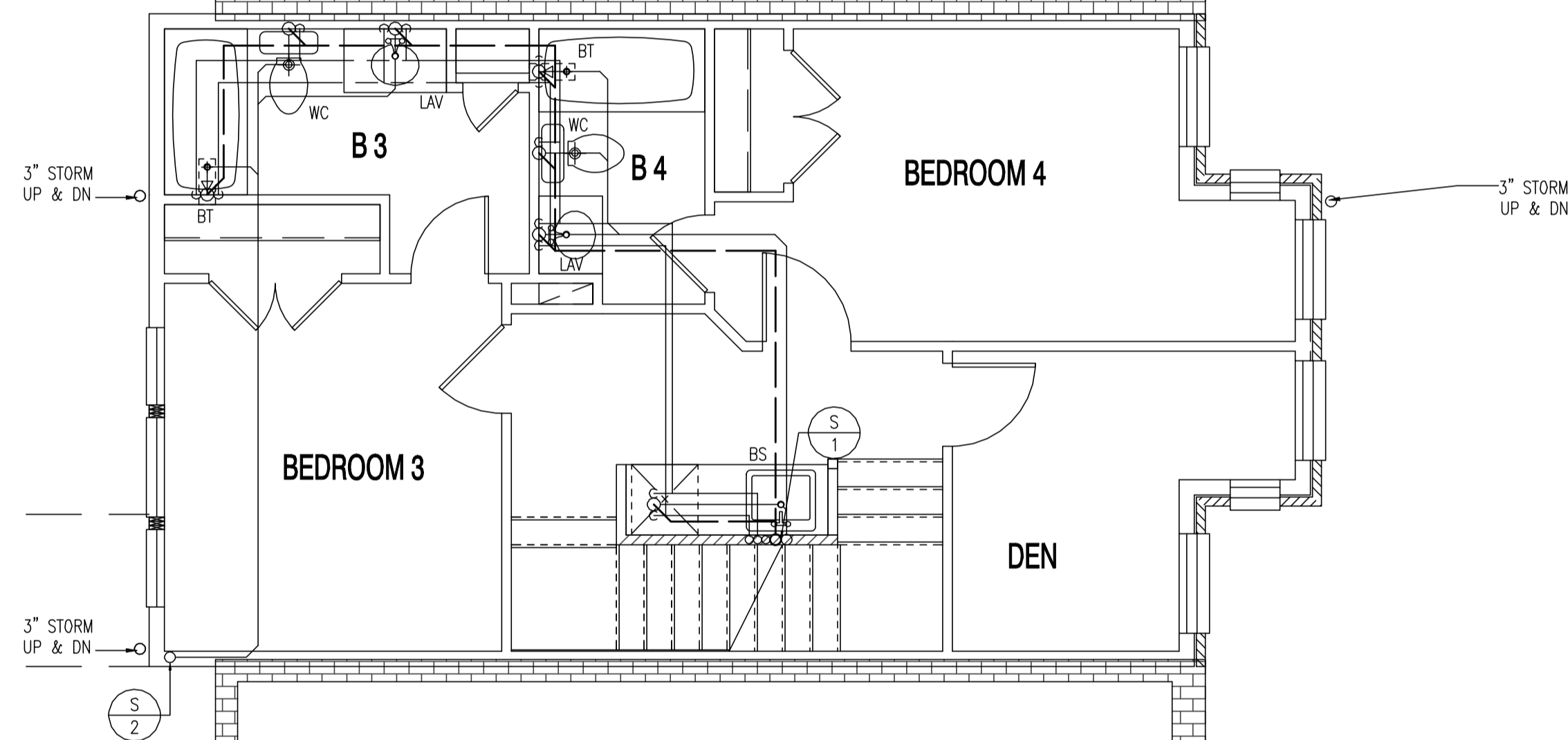
UNIT #2-ROOF DECK



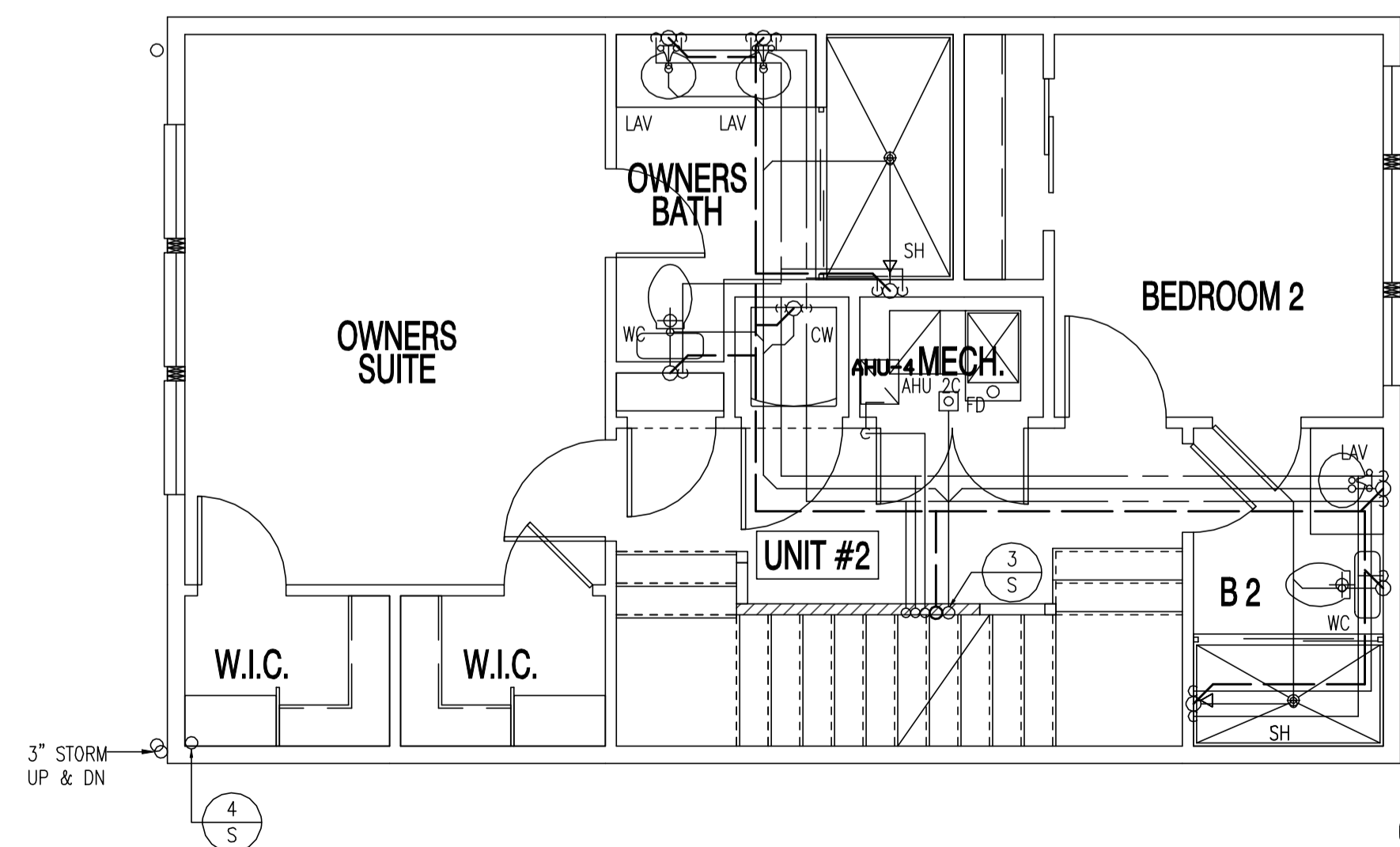
UNIT #1-ROOF DECK



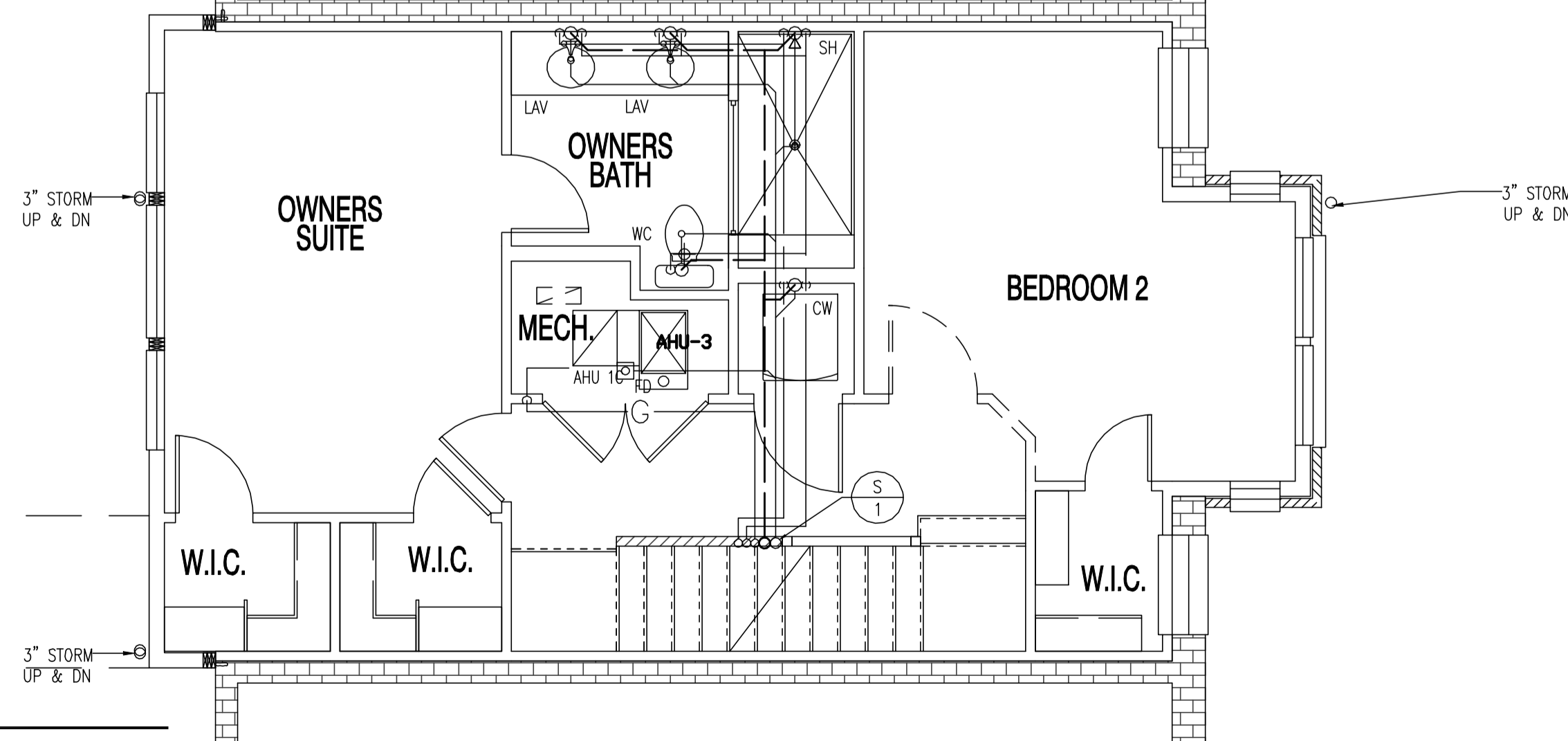
UNIT #2-THIRD FLOOR



UNIT #1-THIRD FLOOR



UNIT #2-SECOND FLOOR

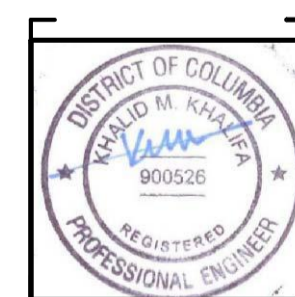


UNIT #1-SECOND FLOOR

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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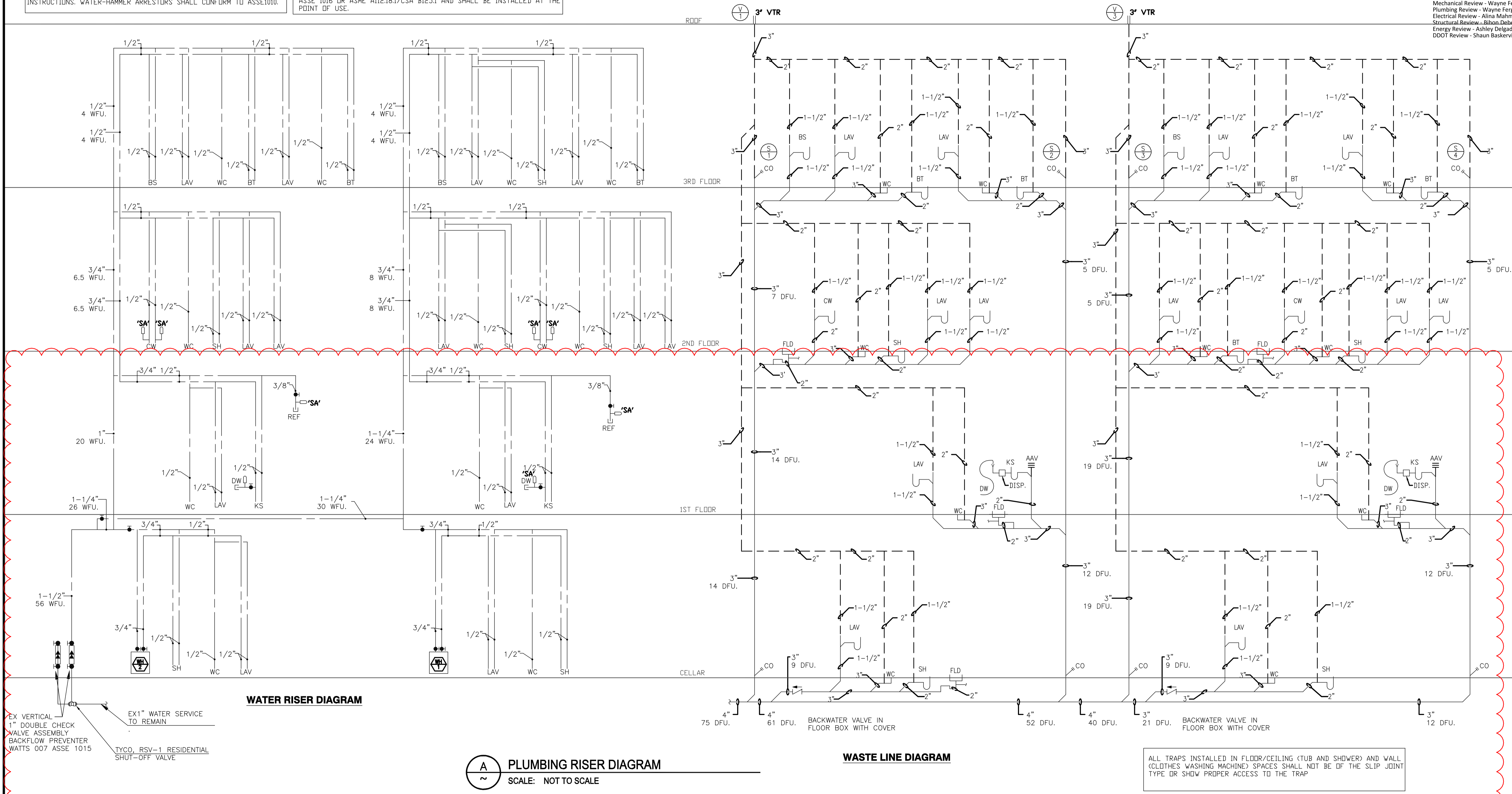
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Website: www.dcarchitect.com

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

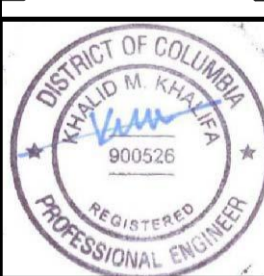
PLUMBING RISER DIAGRAM  
SCALE: NOT TO SCALE

WASTE LINE DIAGRAM

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

WATER RISER DIAGRAM

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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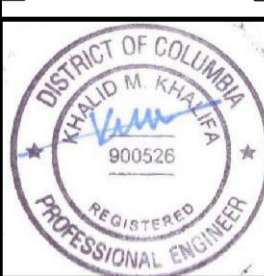
SHEET No.  
P.03

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

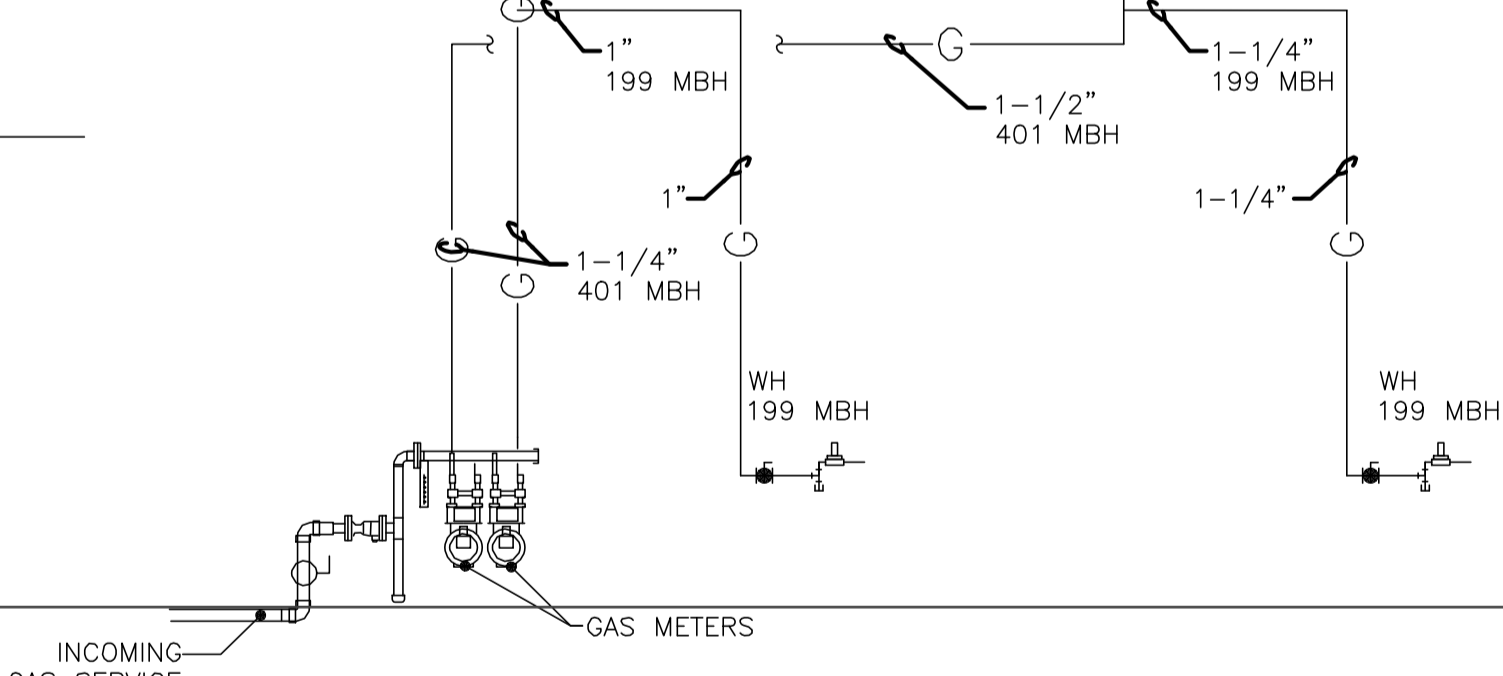
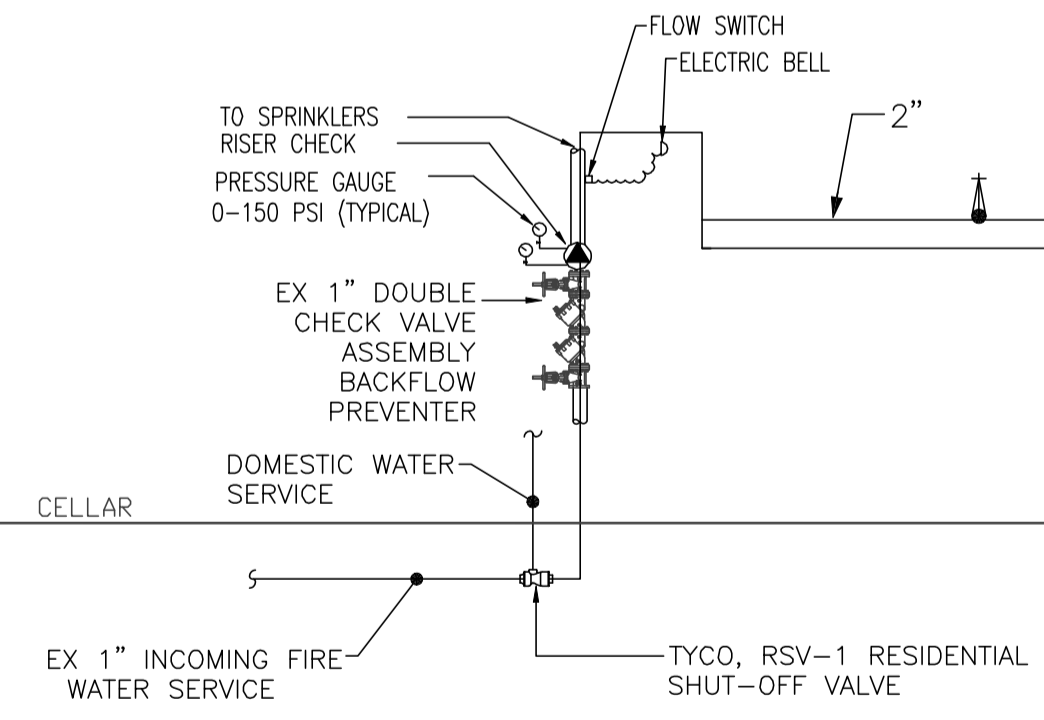
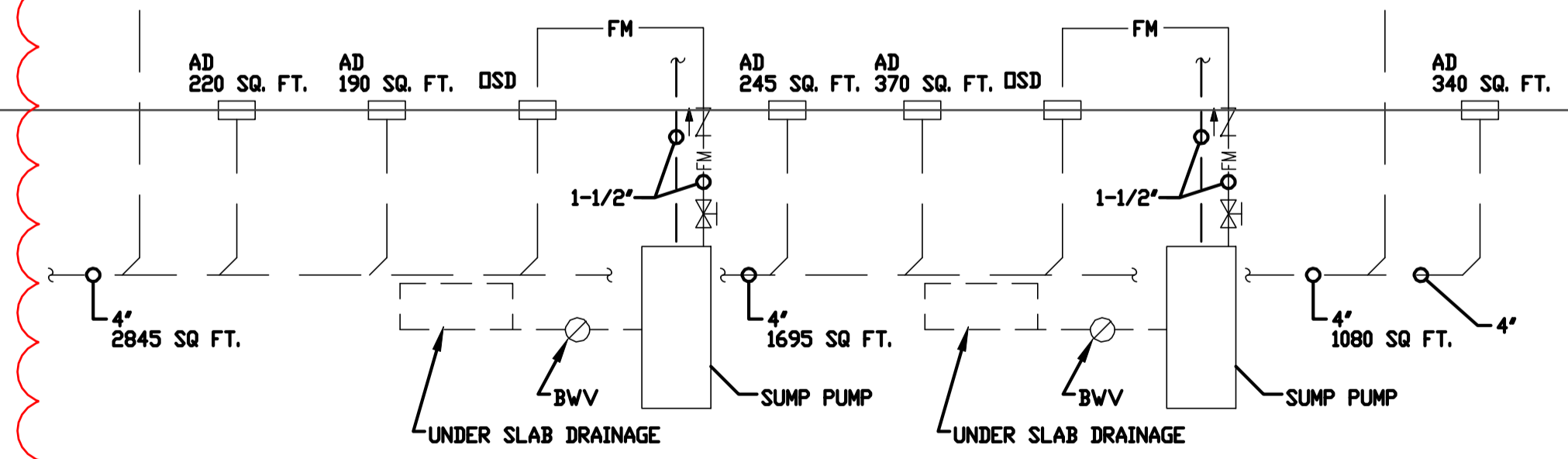
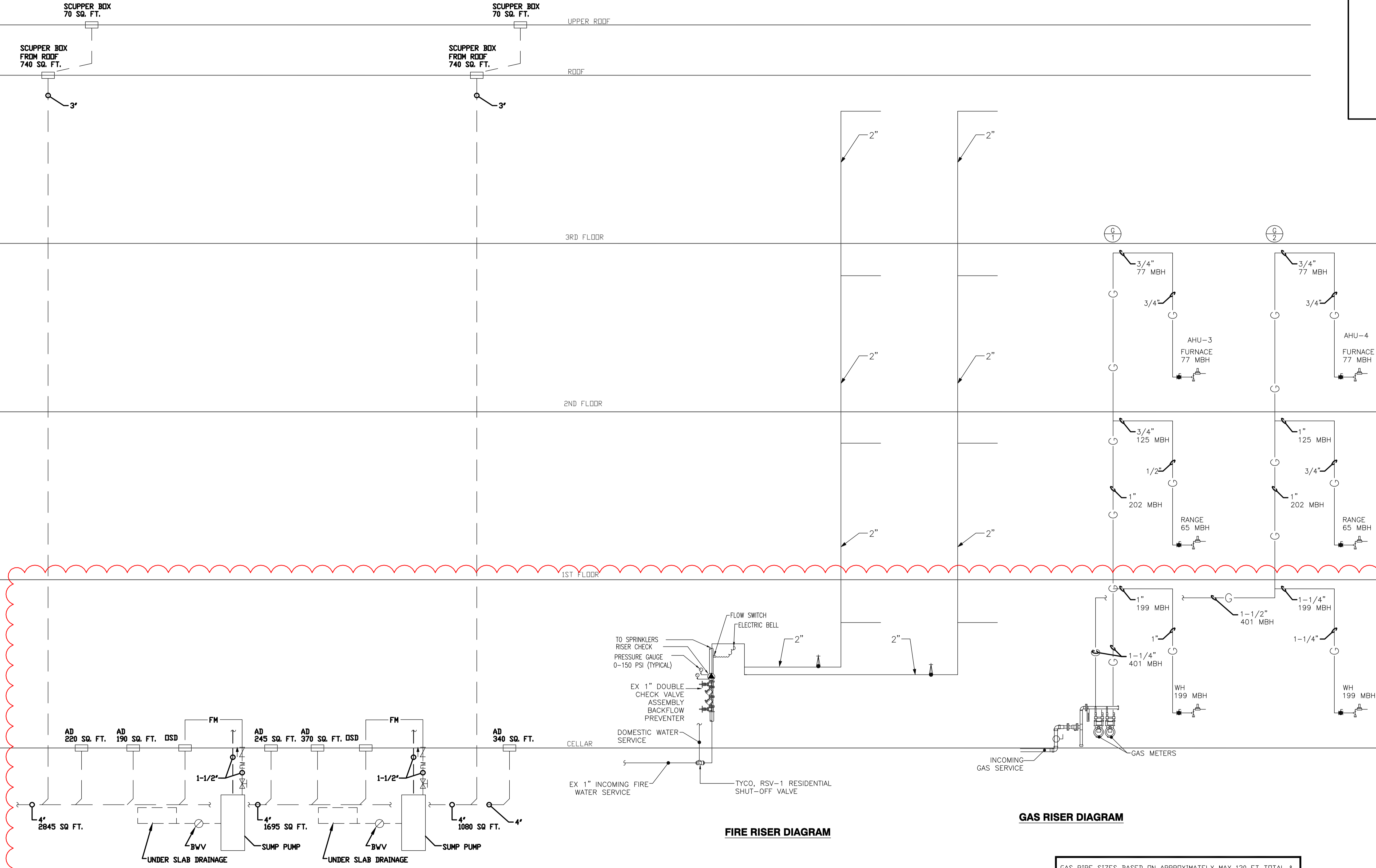


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P.04

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



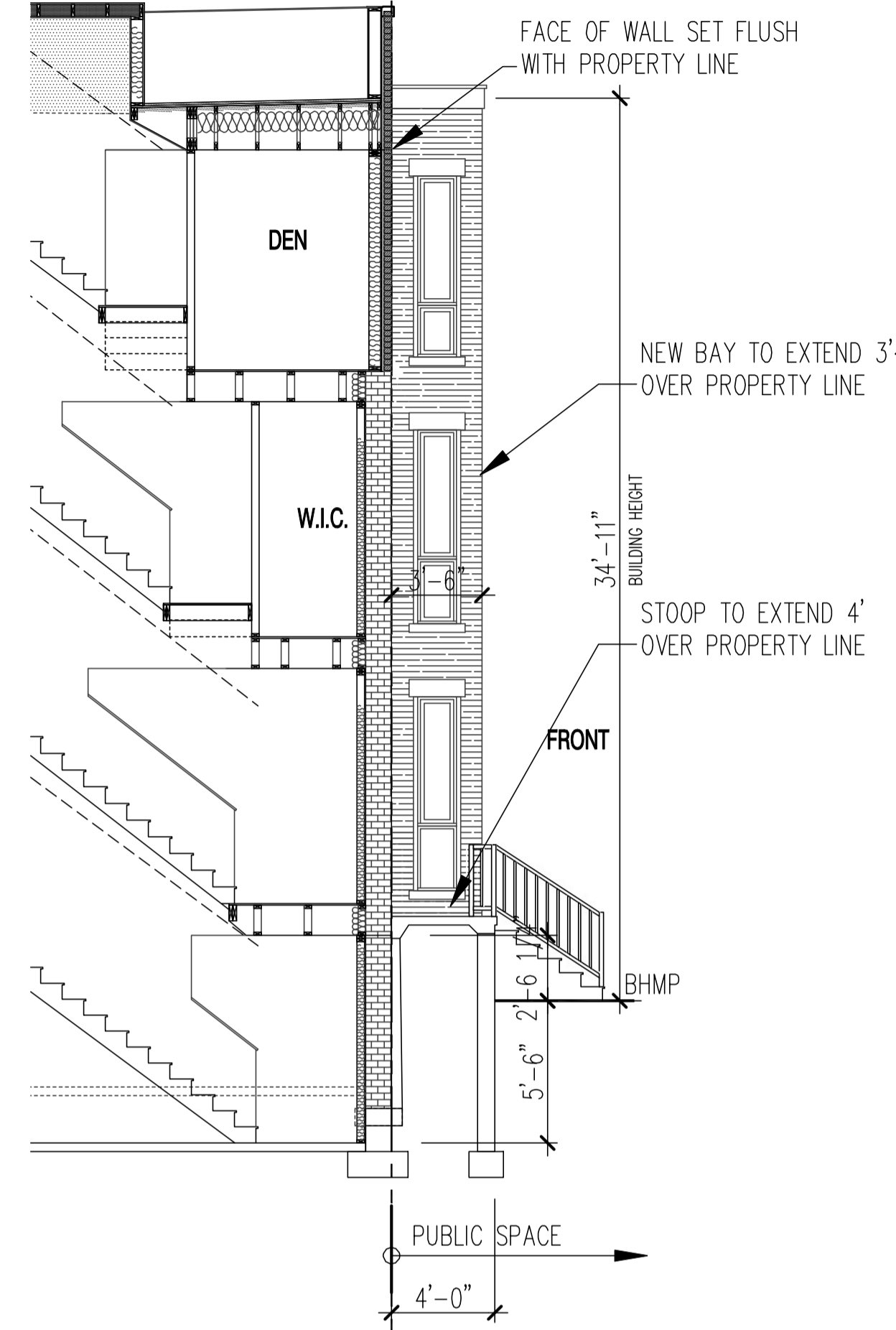
STORM RISER DIAGRAM

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.



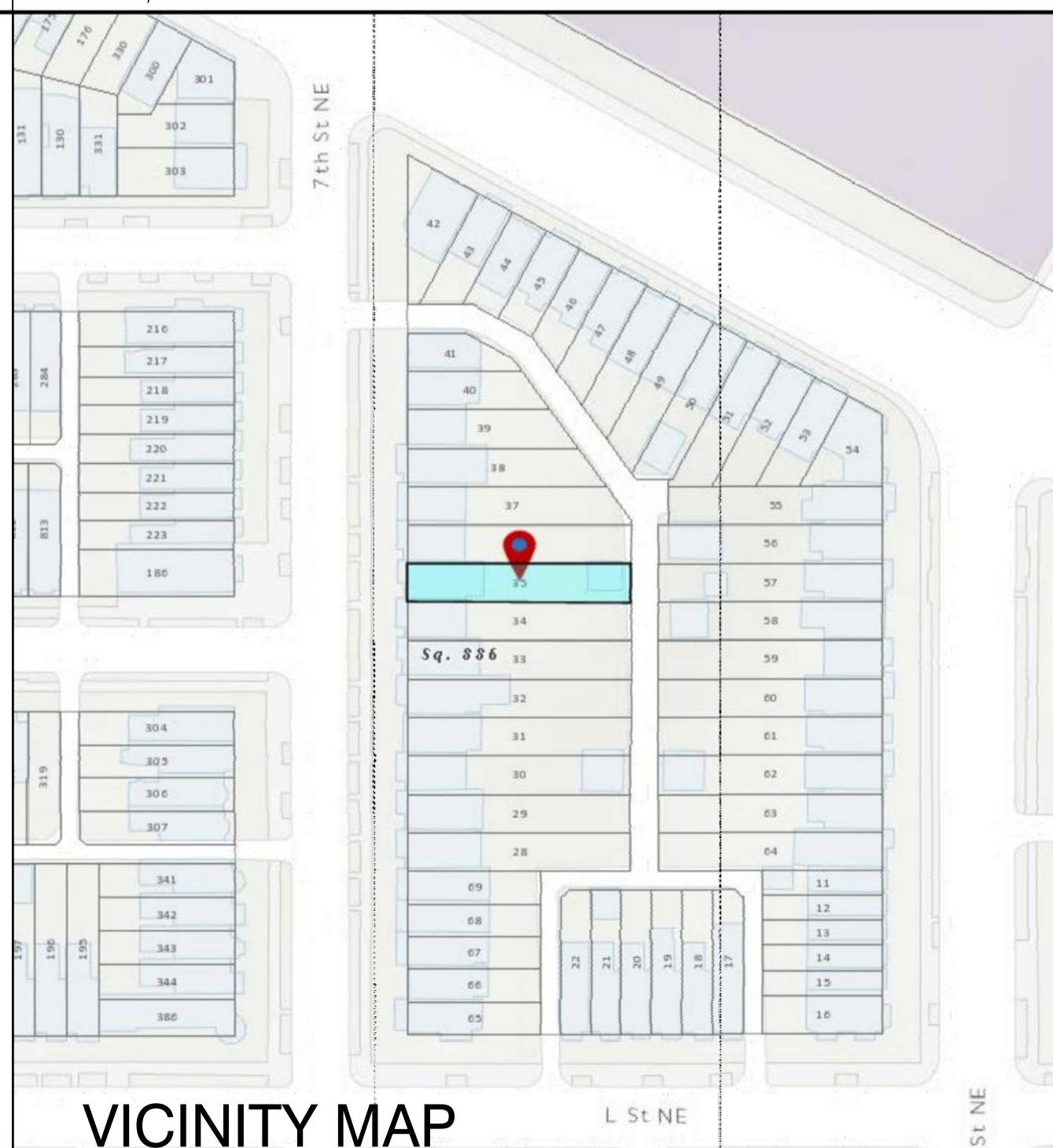
**SECTION THRU FRONT ENTRY**

SCALE : 3/16" = 1'-0"



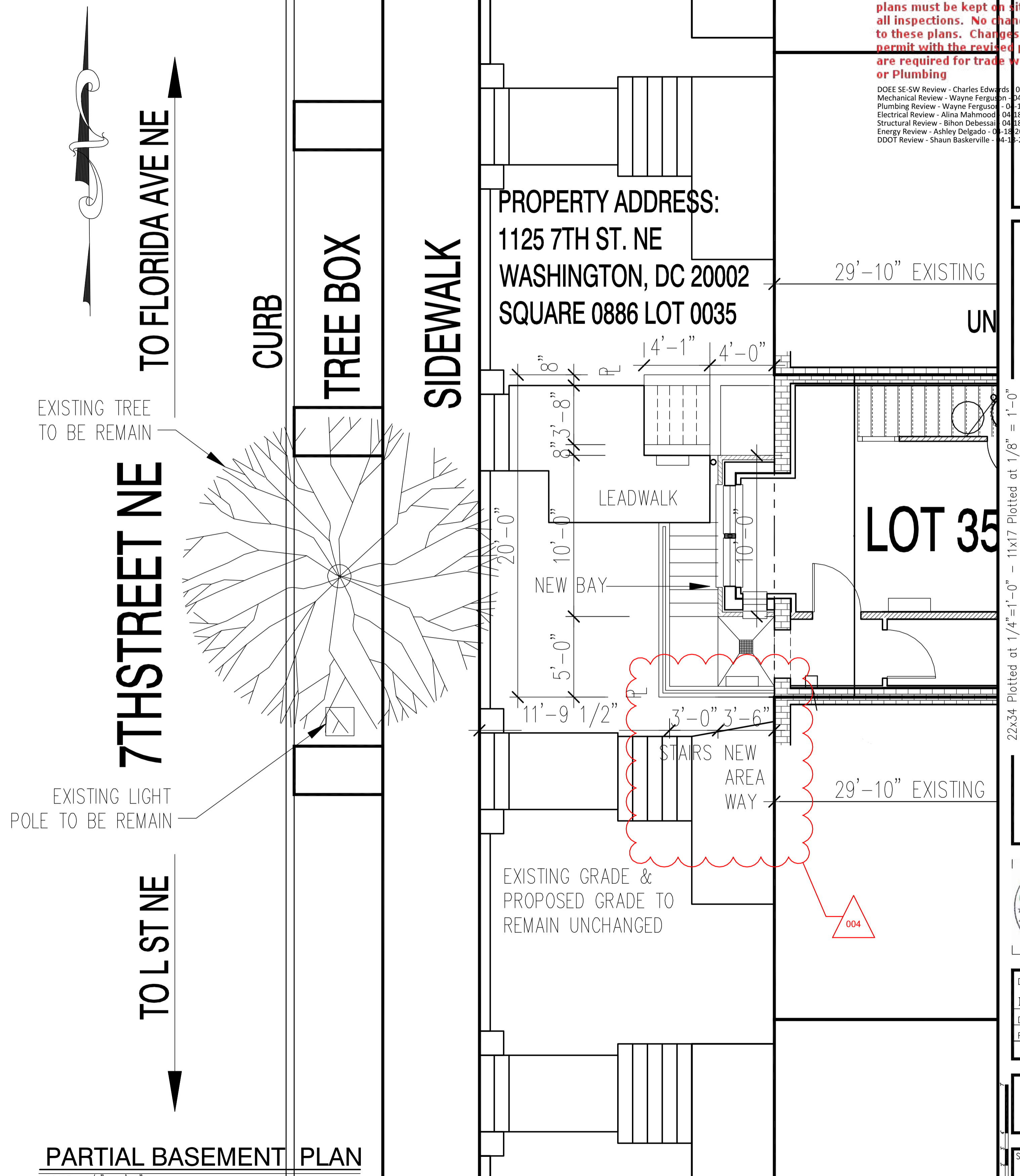
**FRONT ELEVATION**

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



**VICINITY MAP**

SCALE : NTS



**PARTIAL BASEMENT PLAN**

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

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Website: www.msel.com

PROPERTY ADDRESS:  
1125 7TH ST. NE  
WASHINGTON, DC 20002  
SQUARE 0886 LOT 0035

1125 7th St NE - STONY CREEK HOMES  
PUBLIC SPACE PLAN



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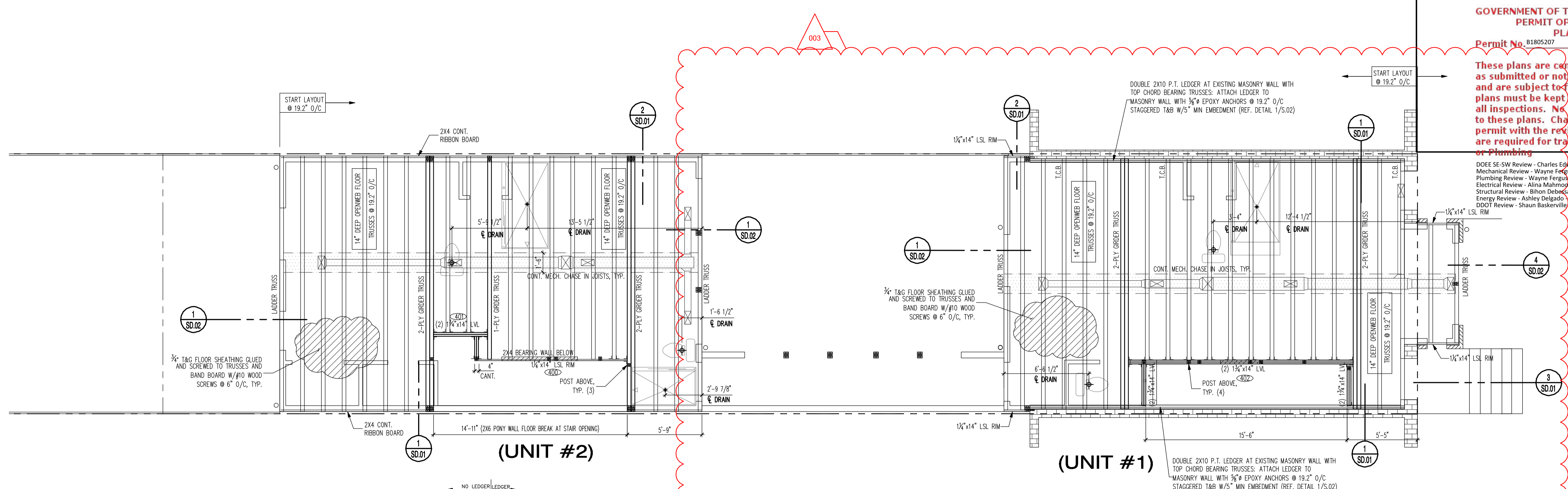
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PS.01



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**B** SECOND FLOOR FRAMING PLAN  
SCALE: 1/4" = 1'-0"

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND INFORMATION NOT SHOWN

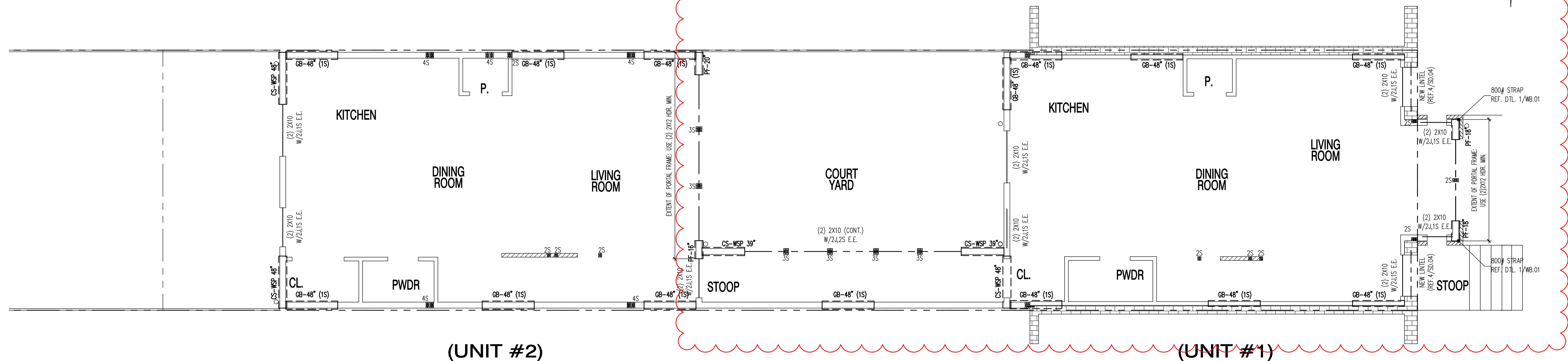
REFERENCE STRUCTURAL COVERSHEET FOR FOUNDATION AND FRAMING INFORMATION, WINDBRACING SCHEDULE AND HANGER SCHEDULE AS APPLICABLE

\*\*\*\*IMPORTANT!\*\*\*\*  
PROVIDE TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. NOTIFY ENGINEER IF CHANGES ARE MADE TO STRUCTURAL LOAD PATH.

JOISTS MAY BE SHIFTED A MAXIMUM OF 3" TO AVOID PLUMBING TRAPS AS NECESSARY

**1** CONT. LEDGER ATTACHMENT DETAIL

**2** END COND. LEDGER ATTACHMENT DETAIL



**A** FIRST FLOOR PLAN - HEADERS & WIND BRACING  
SCALE: 1/4" = 1'-0"

"STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECTION 106.1.4.1 OF THE DC CONSTRUCTION CODES SUPPLEMENT AS AMENDED TO DATE"  
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1125 7th St NE - STONY CREEK HOMES  
1ST FL. HDR/WALL BRACING & 2ND FL. FRAMING

22x34 Plotted at 1/4"=1'-0" - 11x17 Plotted at 1/8" = 1'-0"  
DRAWN BY: MCR  
DATE: 03/10/17  
REV No. DATE  
003 02/06/18



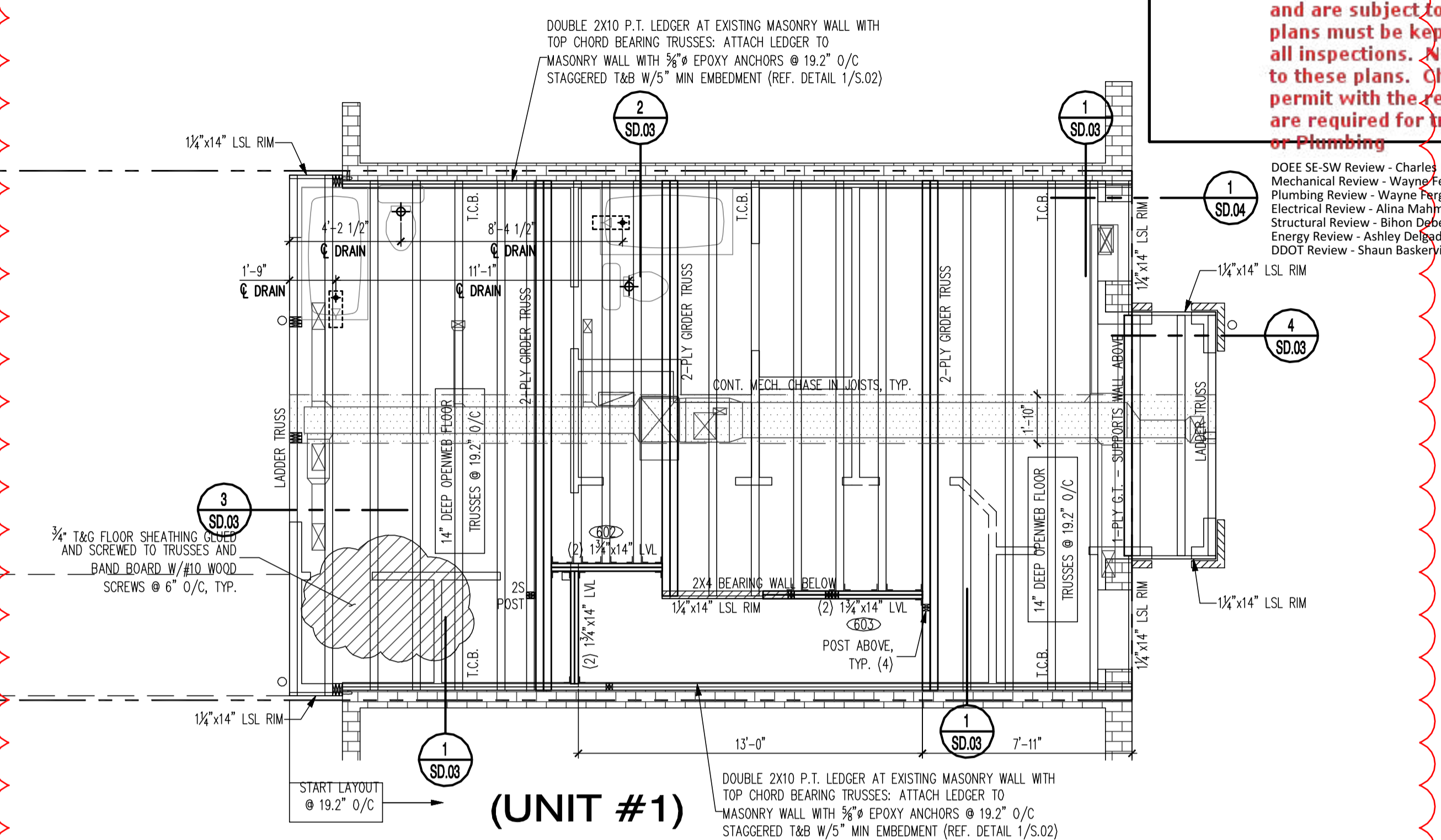
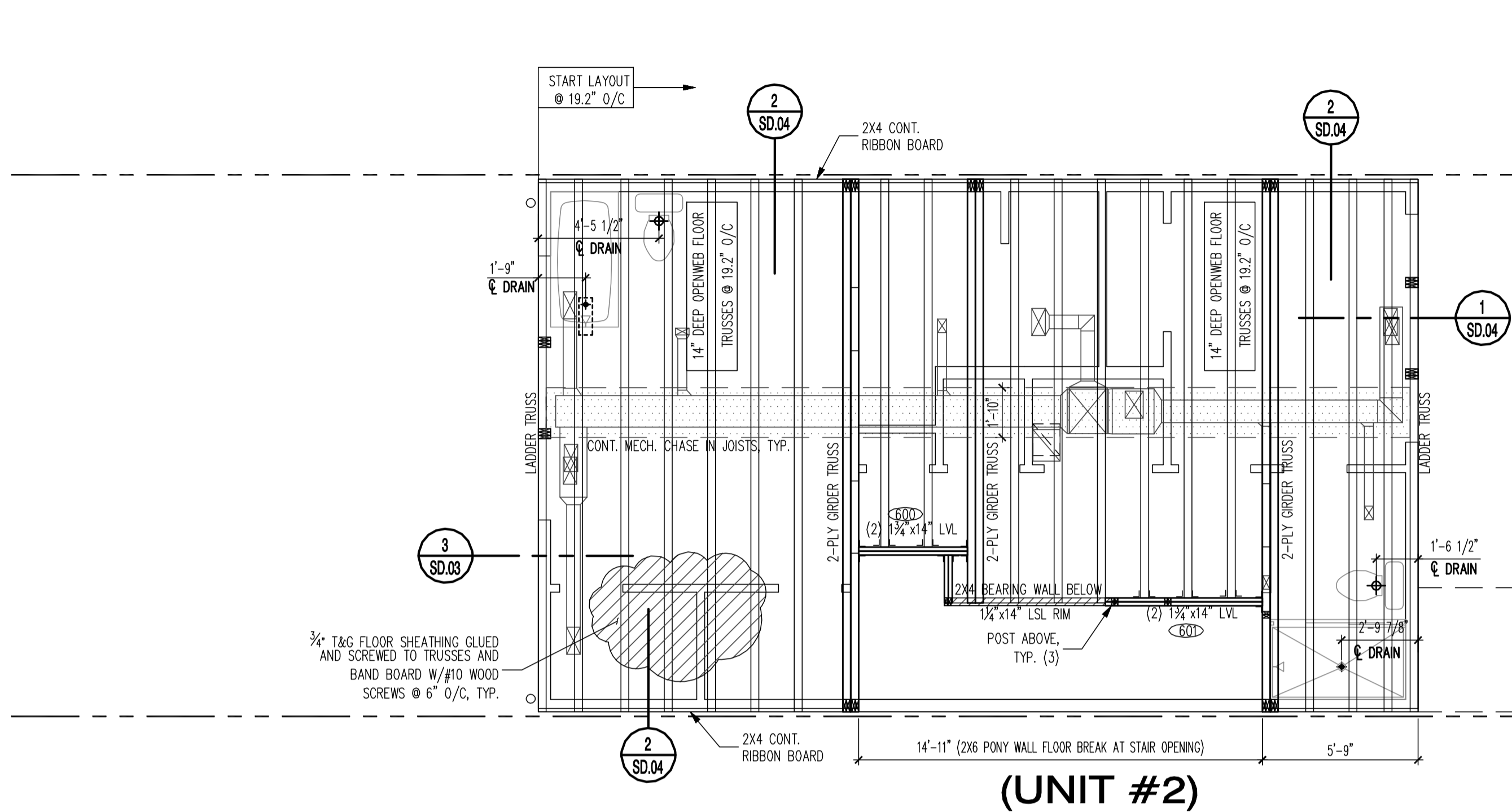
01.01.17  
SHEET No. S.02



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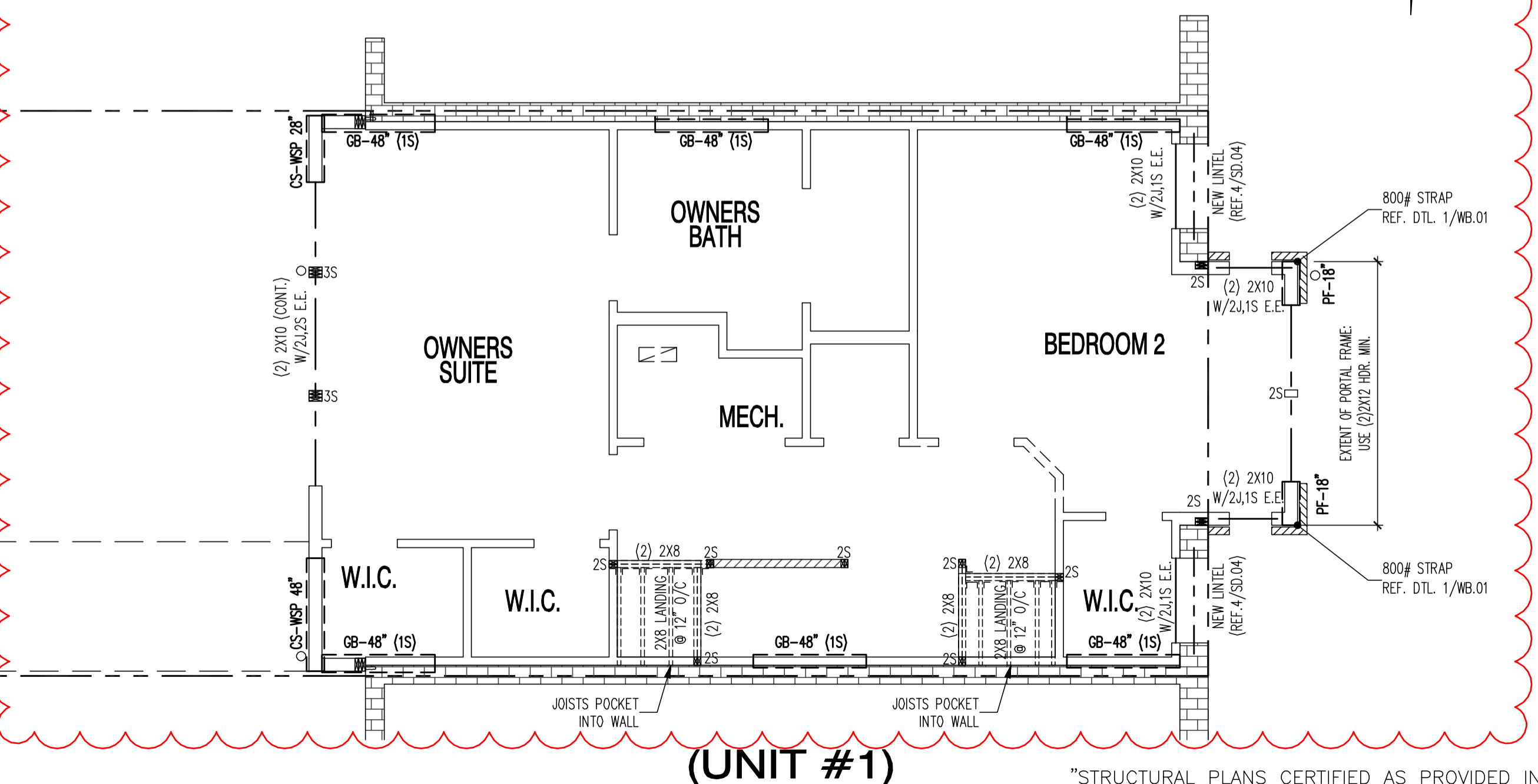
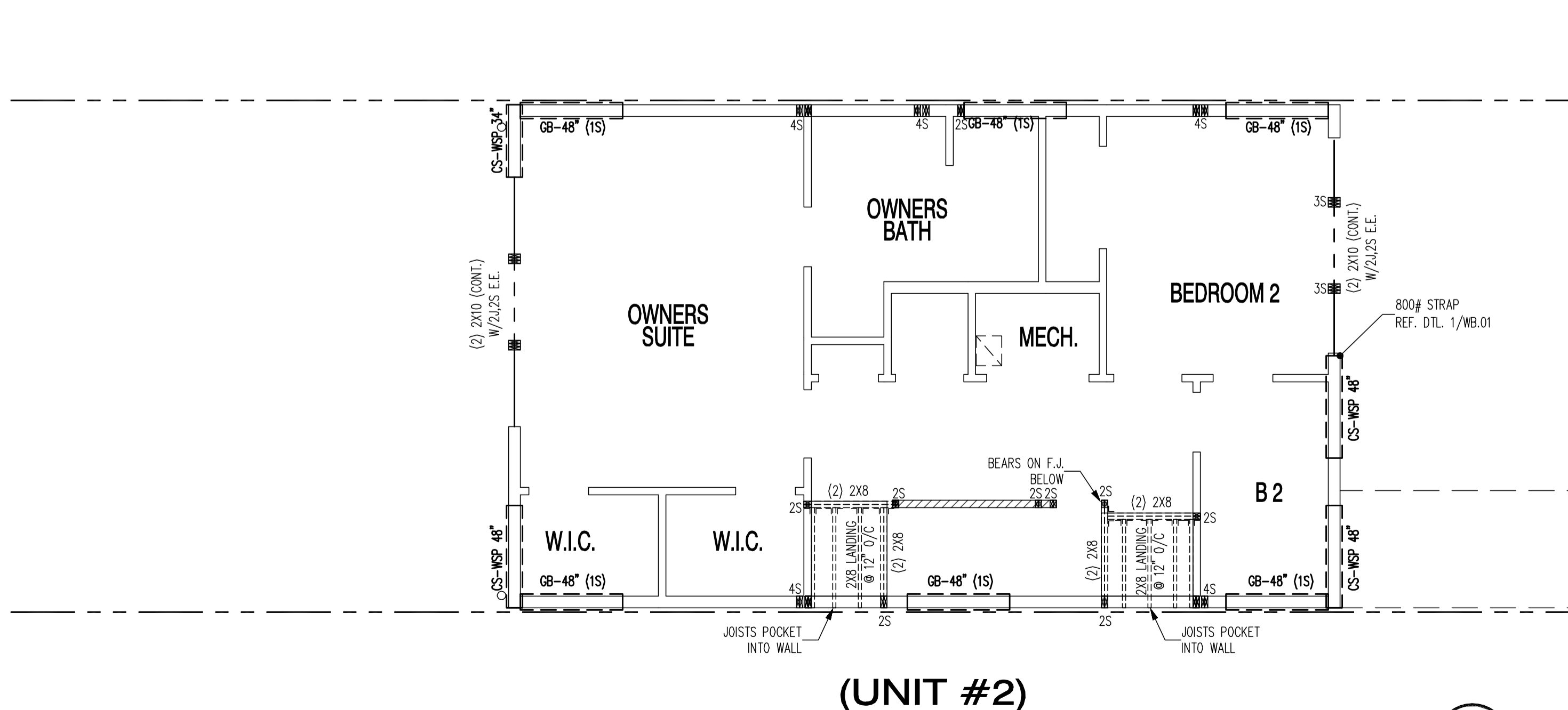
**B** THIRD FLOOR FRAMING PLAN  
 SCALE: 1/4" = 1'-0"

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND INFORMATION NOT SHOWN

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\*\*\*\*IMPORTANT!\*\*\*\*  
 PROVIDE TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. NOTIFY ENGINEER IF CHANGES ARE MADE TO STRUCTURAL LOAD PATH.

JOISTS MAY BE SHIFTED A MAXIMUM OF 3" TO AVOID PLUMBING TRAPS AS NECESSARY



**A** SECOND FLOOR PLAN - HEADERS & WIND BRACING  
 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  
 2ND FL. HDR/WALL BRACING & 3RD FL. FRAMING



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 MCR  
 DATE: 03/10/17  
 REV No. DATE  
 003 02/06/18

01.01.17

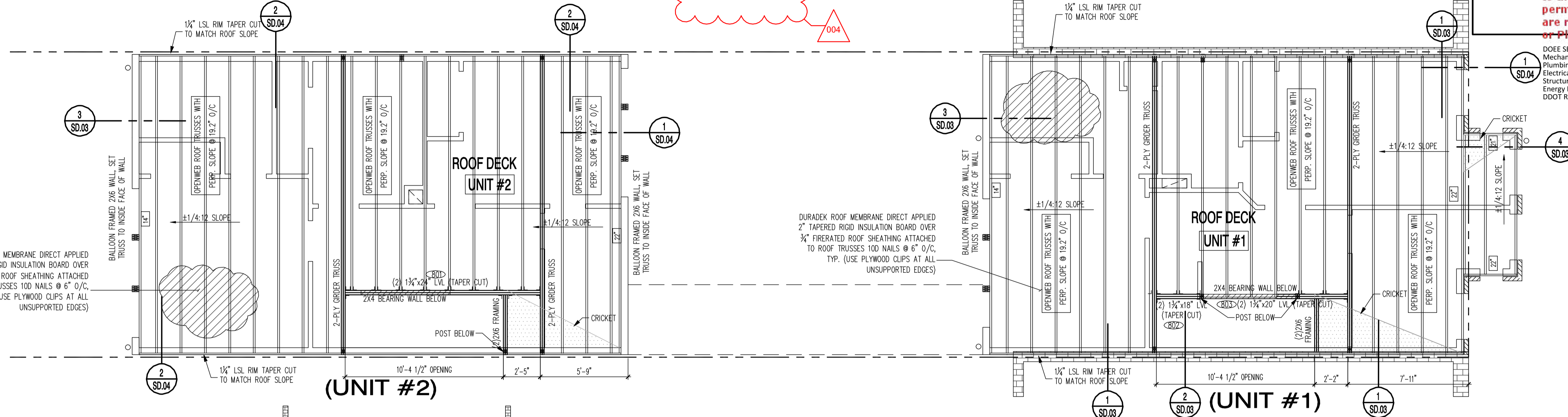
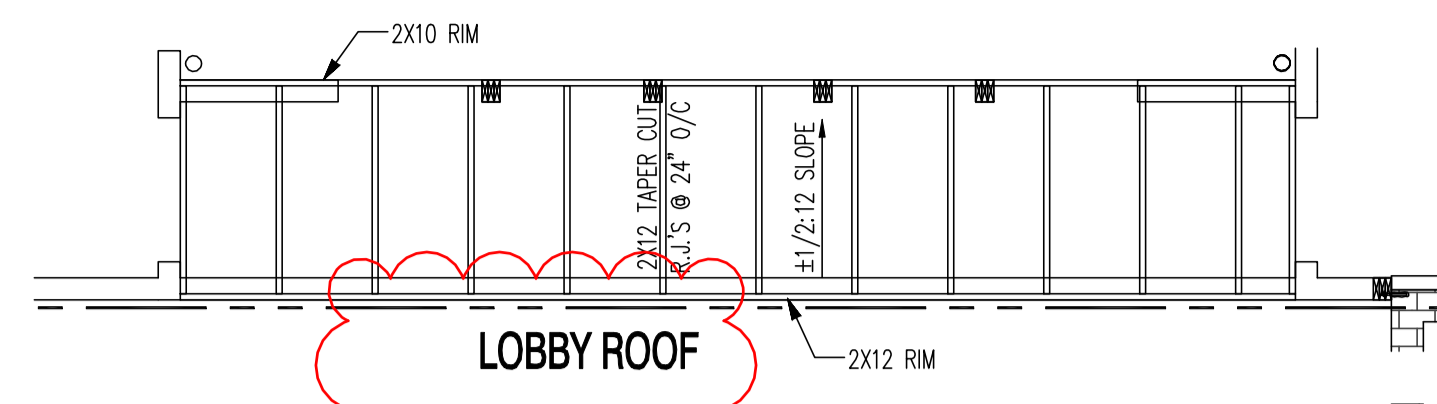
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 S.03

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DOE SE-SW Review - Charles Edwards  
Mechanical Review - Wayne Ferguson  
Plumbing Review - Wayne Ferguson  
Electrical Review - Alina Mahmood  
Structural Review - Bihon DeBessal  
Energy Review - Ashley Delgado  
DDOT Review - Shaun Baskerville

DC ARCHITECT  
10530 WARWICK AVENUE, SUITE 100  
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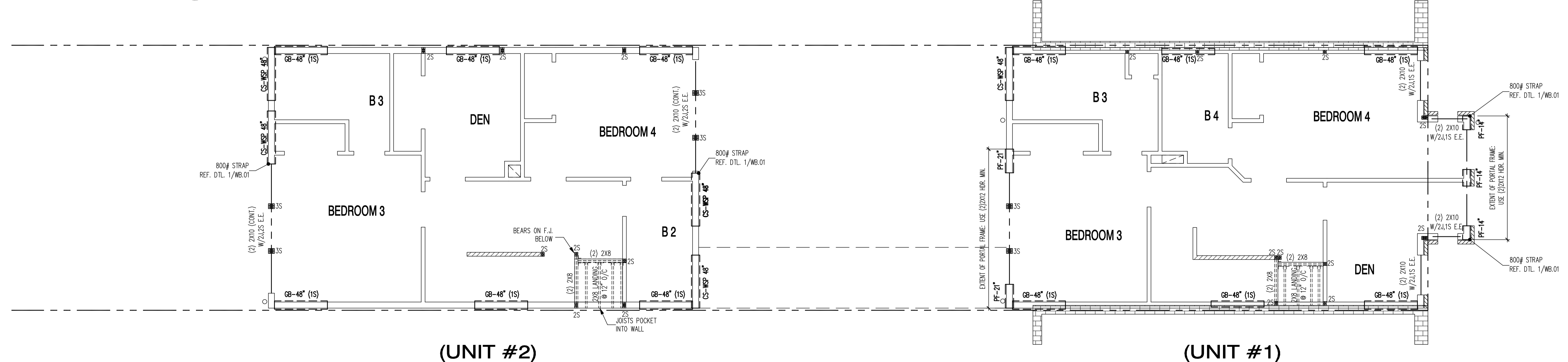
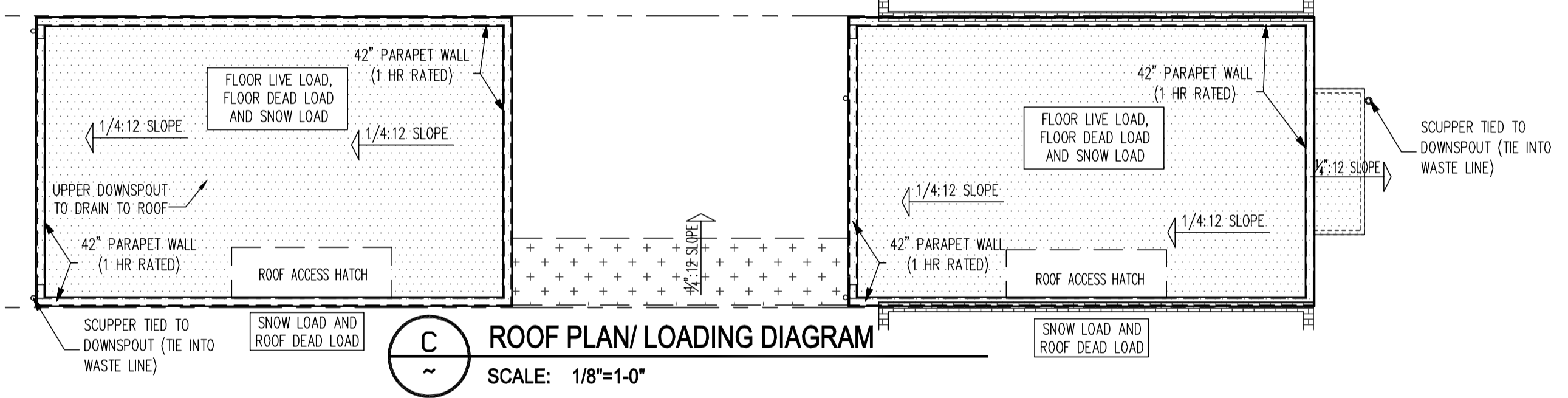
**B** ROOF FRAMING PLAN  
SCALE: 1/4" = 1'-0"

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND INFORMATION NOT SHOWN

\*\*\*\*IMPORTANT!\*\*\*\*  
PROVIDE TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. NOTIFY ENGINEER IF CHANGES ARE MADE TO STRUCTURAL LOAD PATH.

REFERENCE STRUCTURAL COVERSHEET FOR FOUNDATION AND FRAMING INFORMATION, WINDBRACING SCHEDULE AND HANGER SCHEDULE AS APPLICABLE

JOISTS MAY BE SHIFTED A MAXIMUM OF 3" TO AVOID PLUMBING TRAPS AS NECESSARY



**A** THIRD FLOOR PLAN - HEADERS & WIND BRACING  
SCALE: 1/4" = 1'-0"

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3RD FL. HDR/WALL BRACING & ROOF FRAMING



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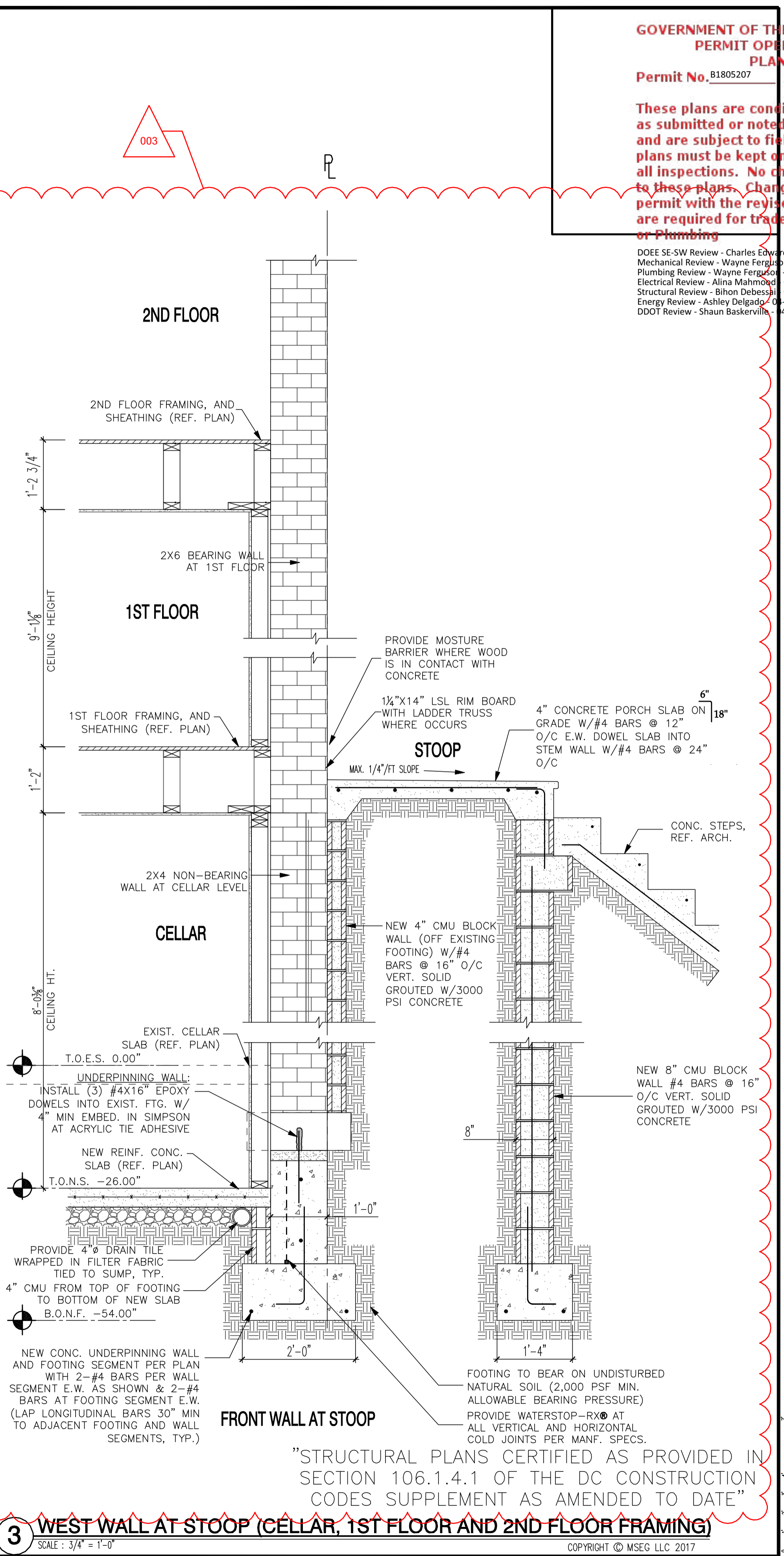
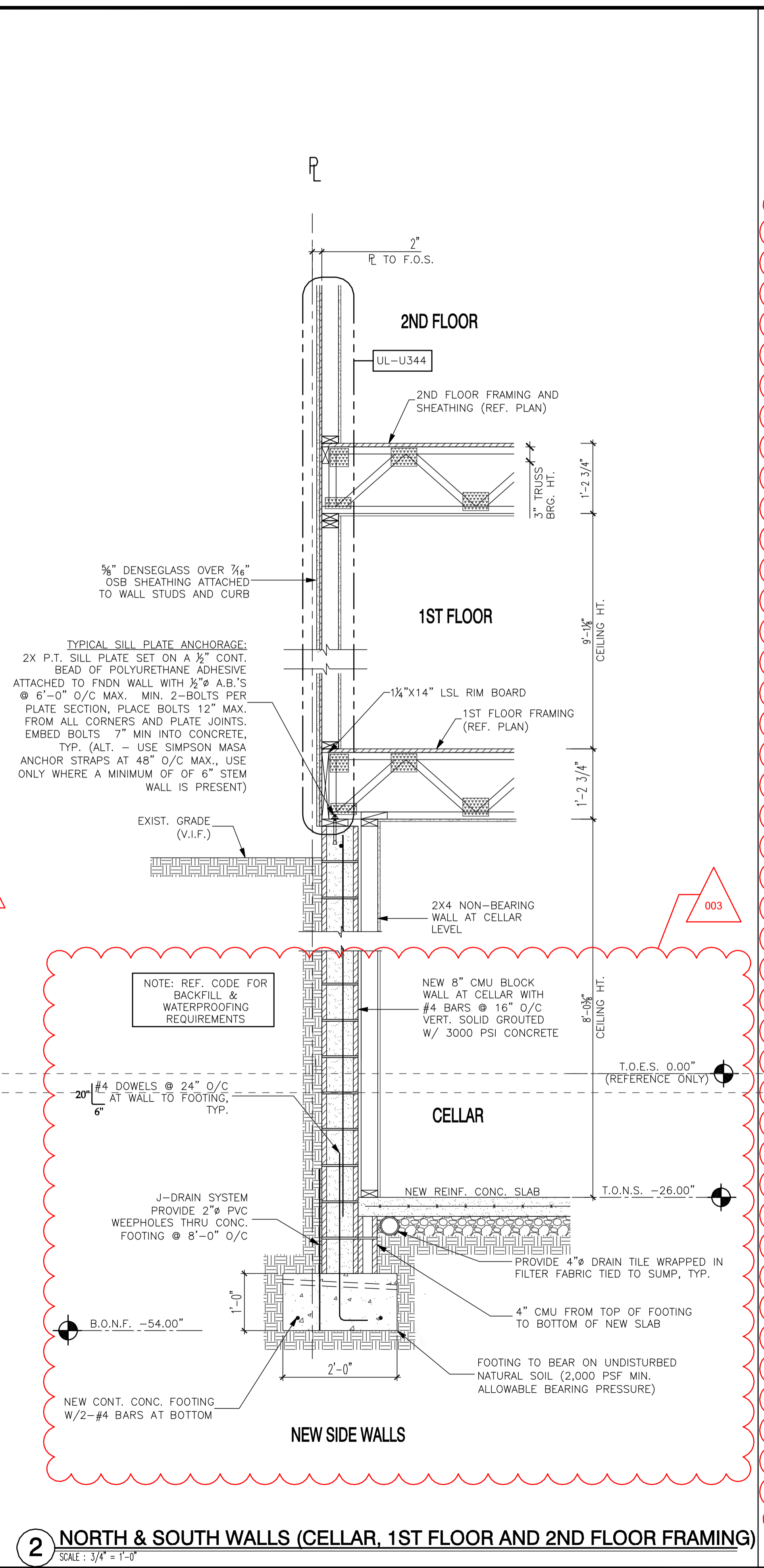
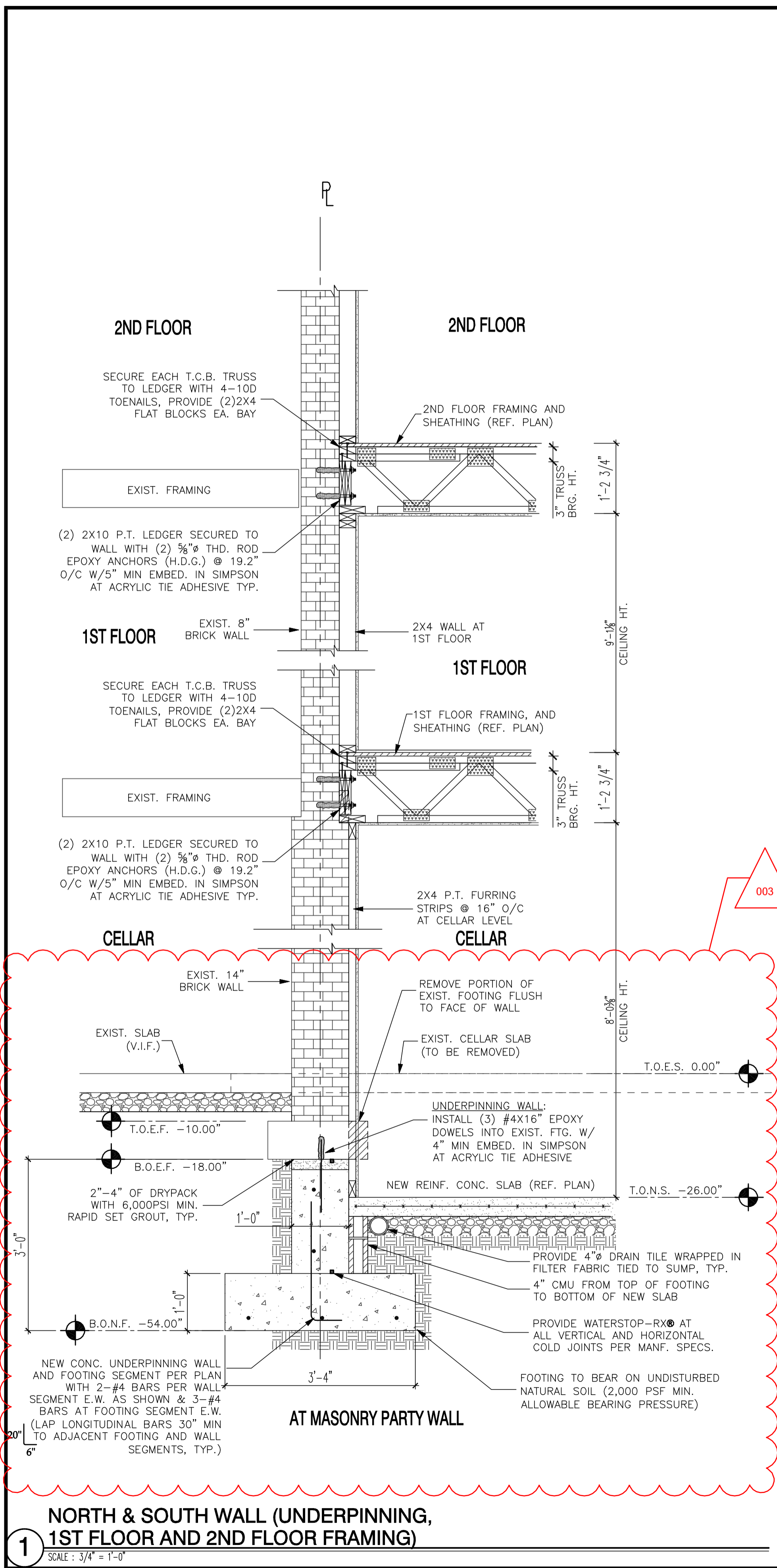
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22x34 Plotted at 1/4" = 1'-0" - 11x17 Plotted at 1/8" = 1'-0"

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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 Debeshi 04-18-2018  
 Energy Review - Ashley Delgado 04-18-2018  
 DDOT Review - Shaun Baskerville 04-18-2018

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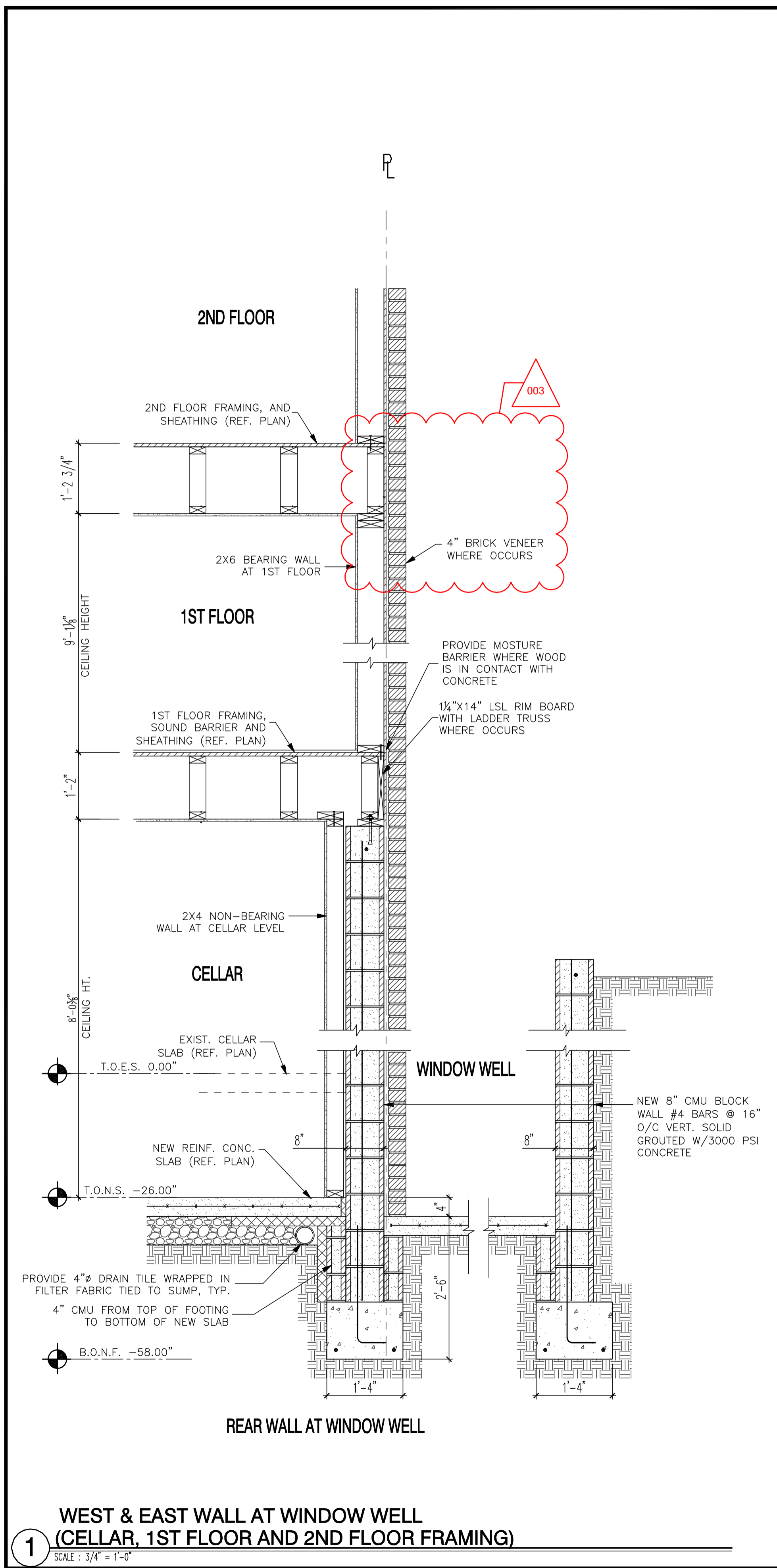
1125 7th St NE - STONY CREEK HOMES  
 STRUCTURAL DETAILS



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 REV No. DATE  
 003 02/06/18

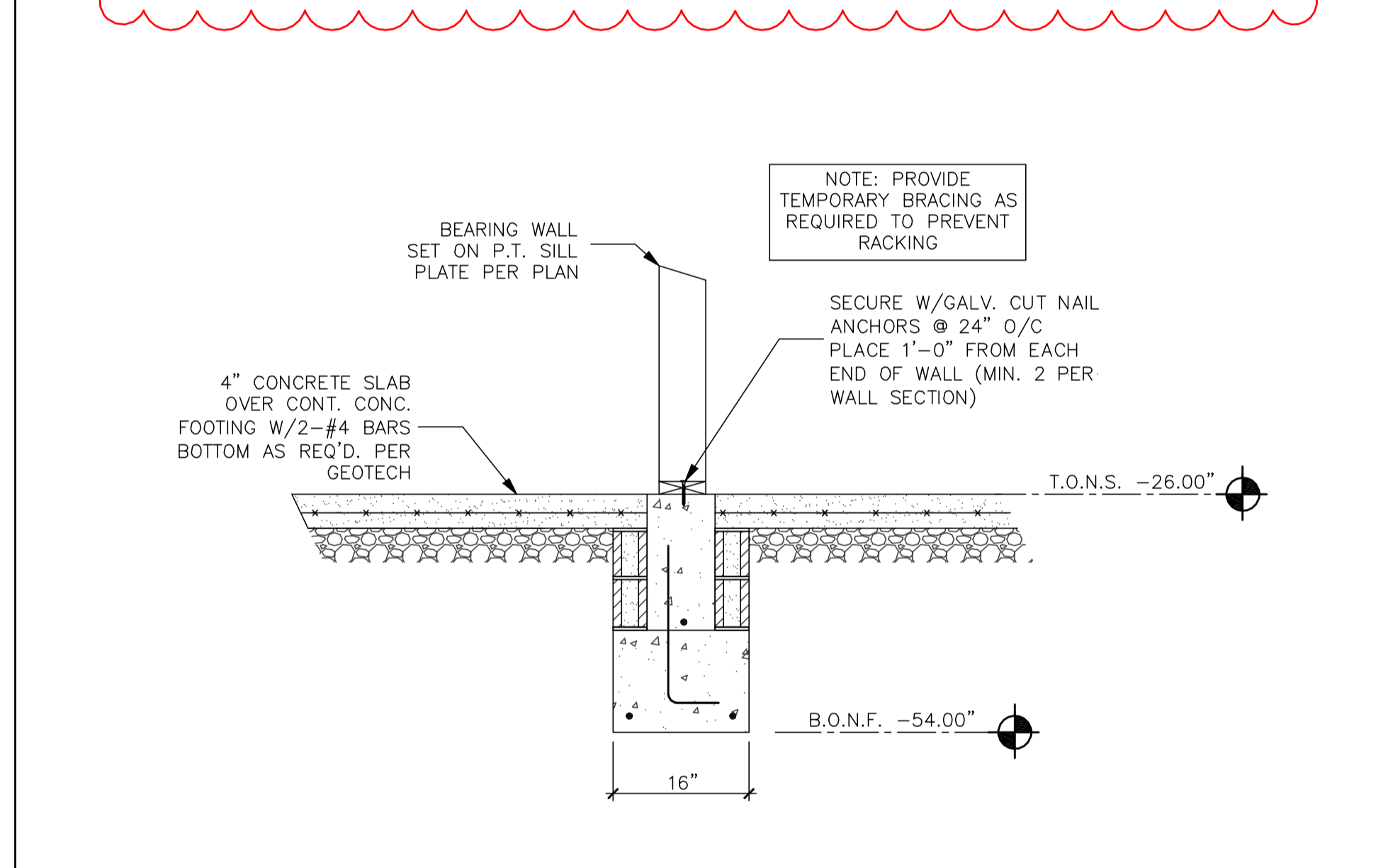
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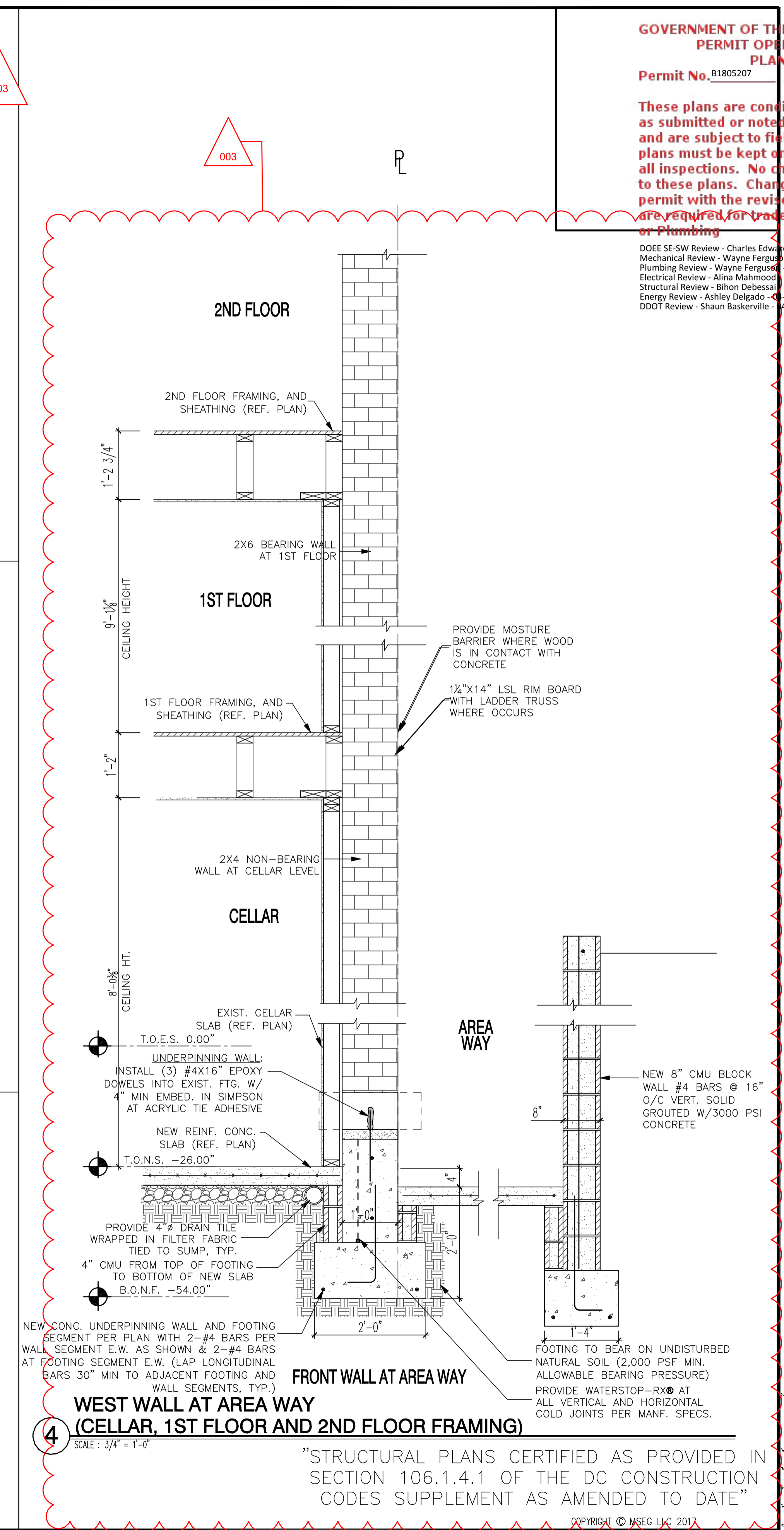


**1 WEST & EAST WALL AT WINDOW WELL (CELLAR, 1ST FLOOR AND 2ND FLOOR FRAMING)**  
SCALE: 3/4" = 1'-0"

MAXIMUM SPAN	HEIGHT OF VENEER					LENGTH OF BRG	
	8"	16"	24"	32"	> SPAN / 2	MINIMUM	RECOMMENDED
3'-0" TO 6'-0"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	3"	6"
8'-2"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	3 1/2"x3 1/2"x1/4"	4"x3 1/2"x1/4"	5"x3 1/2"x1/4"	3"	6"
	10' MAX HGT.		20' MAX HGT.		30' MAX HGT.		
16'-2"	PLATE SIZE 3/8"x12"		3/8"x16"		7/16"x18"		4" 8"
	ANGLE SIZE L4"x4"x5/16"		L4"x4"x5/16"		L4"x4"x5/16"		4" 8"
	BOLT SPACING 2 ROWS @ 48" O.C.		3 ROWS @ 36" O.C.		3 ROWS @ 32" O.C.		4" 8"

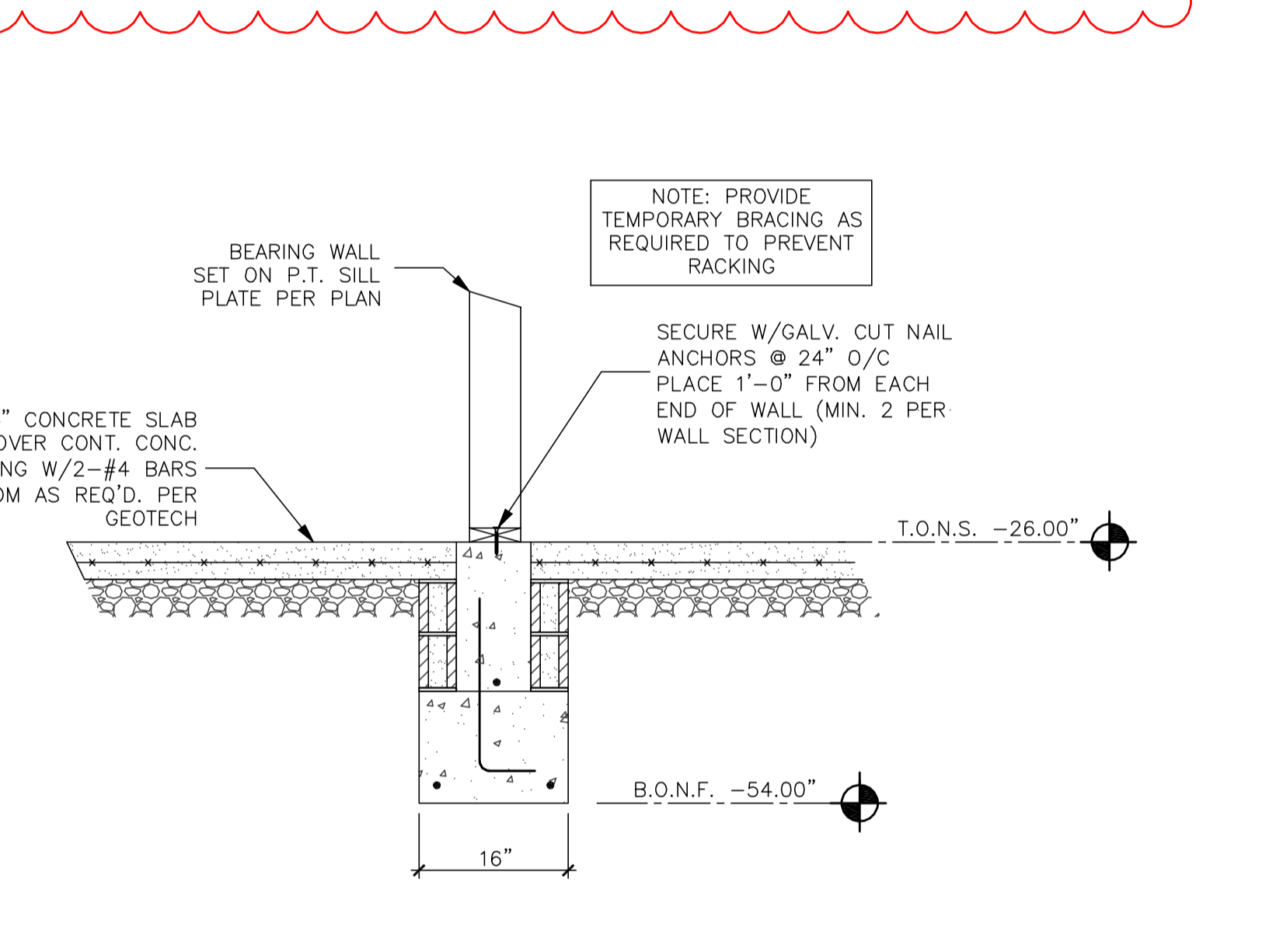
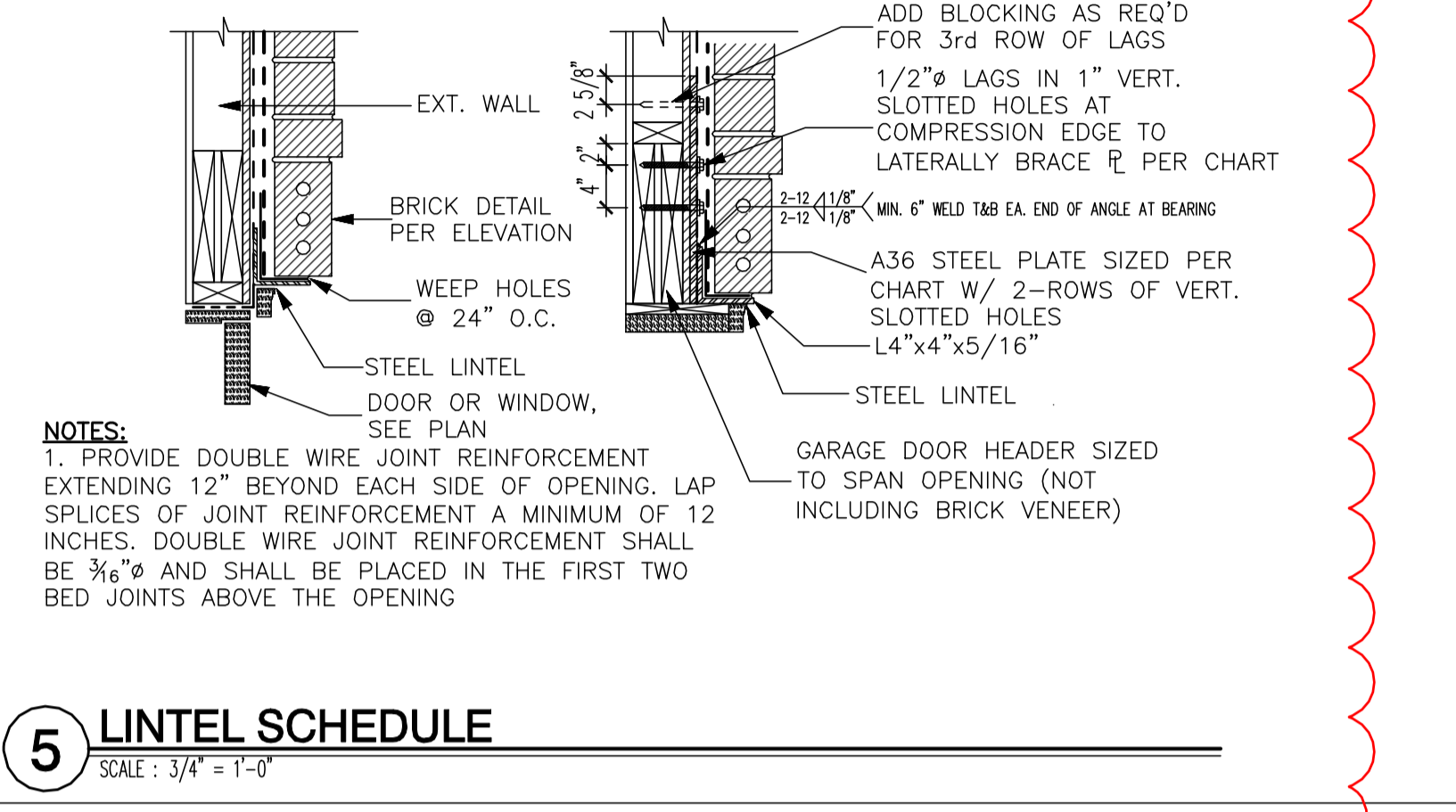


**2 STAIR SUPPORT AT WELLED EXIT**  
SCALE: 3/4" = 1'-0"



**3 WEST WALL AT AREA WAY (CELLAR, 1ST FLOOR AND 2ND FLOOR FRAMING)**  
SCALE: 3/4" = 1'-0"

**5 LINTEL SCHEDULE**  
SCALE: 3/4" = 1'-0"



**3 DETAIL AT INTERIOR BEARING WALL**  
SCALE: 3/4" = 1'-0"

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
PERMIT OPERATIONS DIVISION  
PLANS moment  
Permit No. 81805207 Date 03/10/17  
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1125 7th St NE - STONY CREEK HOMES  
STRUCTURAL DETAILS  
22x34 Plotted at 1/4" = 1'-0" - 11x17 Plotted at 1/8" = 1'-0"

DISTRICT OF COLUMBIA  
REGISTERED PROFESSIONAL ENGINEER  
3/17

DRAWN BY:  
MCR  
DATE: 03/10/17  
REV No. DATE  
003 02/06/18

01.01.17  
SHEET No.  
SD.02

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