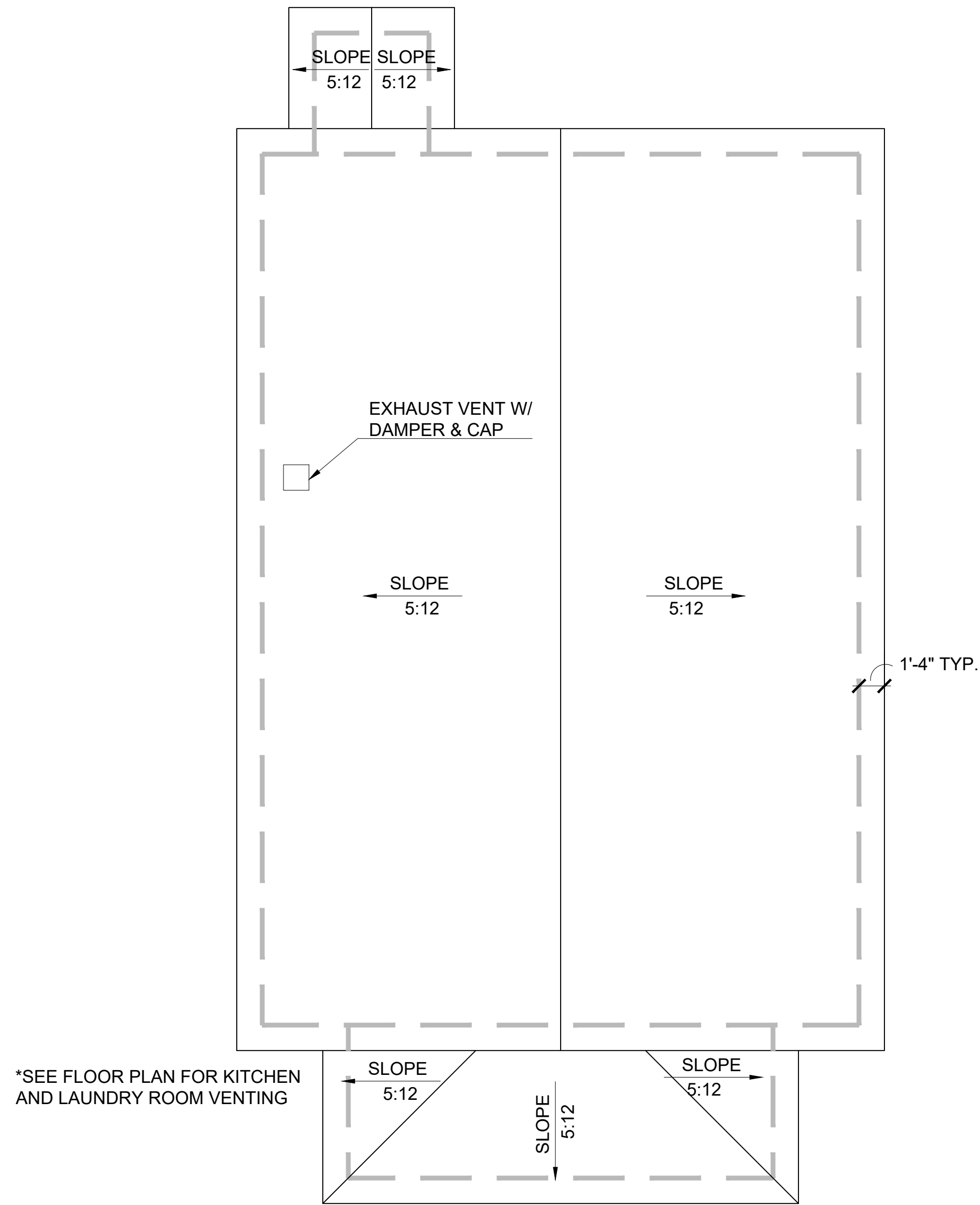


DOOR SCHEDULE			
MARK	QTY	DESCRIPTIONS	REMARKS
01	2	3'-0" X 6'-8"	EXTERIOR WITH PEEPHOLE
02	4	3'-0" X 6'-8"	INTERIOR
03	1	2'-6" X 6'-8"	INTERIOR
04	2	(2) 2'-0" X 6'-8"	DOUBLE DOORS
05	3	3'-0" X 6'-8"	VENTED
06	1	2'-8" X 6'-8"	INTERIOR
07	1	22" X 30" ATTIC ACCESS	350 POUND LADDER RATING
08	1	3'-0" X 6'-8"	EXTERIOR

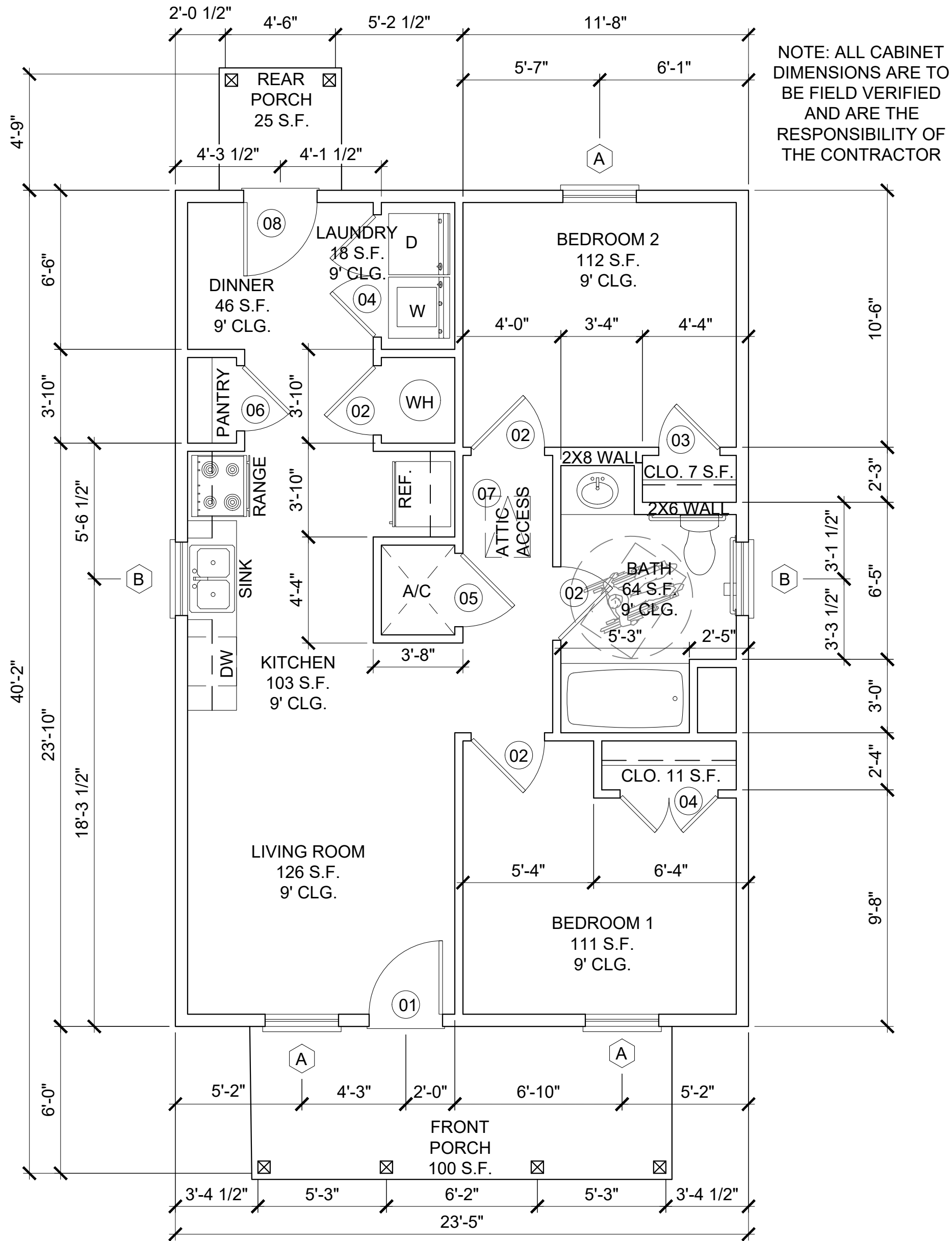
NOTE: ALL WINDOWS AND DOORS TO HAVE A STC RATING OF 40 OR HIGHER

WINDOW SCHEDULE			
MARK	QUANTITY	DESCRIPTIONS	REMARKS
A	3	3'-0" X 5'-0"	SINGLE HUNG
B	2	3'-0" X 3'-0"	SINGLE HUNG

SQUARE FOOTAGE CALCULATIONS		
LOCATION	SQUARE FOOTAGE	REMARKS
FLOOR PLAN	800 SQFT	
FRONT PORCH	100 SQFT	
REAR PORCH	25 SQFT	



01 ROOF PLAN (STANDARD)
OPTION 1



02 FLOOR PLAN (STANDARD)
OPTION 1

- NOTES
- WHEN REQUIRED SEE SHEET C-1.00 FOR LAYOUT AND LOCATION OF RAMP AND STAIRS
 - WHEN REQUIRED SEE SHEET SD-4.00 FOR RAMP AND STAIR DETAILS
 - ROOF OVERHANG SHALL BE A MINIMUM OF 18 INCHES (INCLUDING GUTTERS) BEYOND THE OUTER MOST PORTION IF ANY EXTERIOR VENEER. CONTRACTOR TO ADJUST RAFTER TAILS AS REQUIRED.
 - WINDOWS USED FOR EGRESS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 S.F. WITH A MINIMUM HEIGHT OF 24" AND A MINIMUM WIDTH OF 20" PER THE INTERNATIONAL RESIDENTIAL CODE.
 - PLAIN HALF-ROUND 6" WIDE AND 4" DIAMETER DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED. OR STANDARD K-STYLE 6" WIDE AND 3"x4" DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED.
 - ALL DOWNSPOUTS TO HAVE SPLASH BLOCK.
 - SMART VENT (1540-510) FLOOD VENTS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN AN "A" FLOOD ZONE.
 - FEMA APPROVED BREAKAWAY WALLS OR LOUVERS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN A "V" FLOOD ZONE.
 - ALL MATERIALS BELOW BFE AND/OR DFE SHALL BE FLOOD RESISTANT MATERIAL INCLUDING, BUT NOT LIMITED TO TREATED FRAMING MATERIAL. SEE FEMA TECHNICAL BULLETIN 2, FLOOD DAMAGE RESISTANT MATERIALS REQUIREMENTS (2008).
 - RAIN DIVERTER STRIP IS REQUIRED OVER A/C UNIT AND ENTRANCES.
- THE ATTIC ACCESS IS REQUIRED TO BE A MINIMUM OF 22"x30", ASSUMING THAT NO EQUIPMENT WILL BE INSTALLED IN THE ATTIC SPACE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONFIRM SITE SPECIFIC REQUIREMENTS."
- SEE STRUCTURAL FOUNDATION PLAN FOR FLATWORK DIMENSIONS.
 - SEE SITE PLAN SHEET C-1.00 FOR EXTERIOR A/C LOCATION.

Revisions:		
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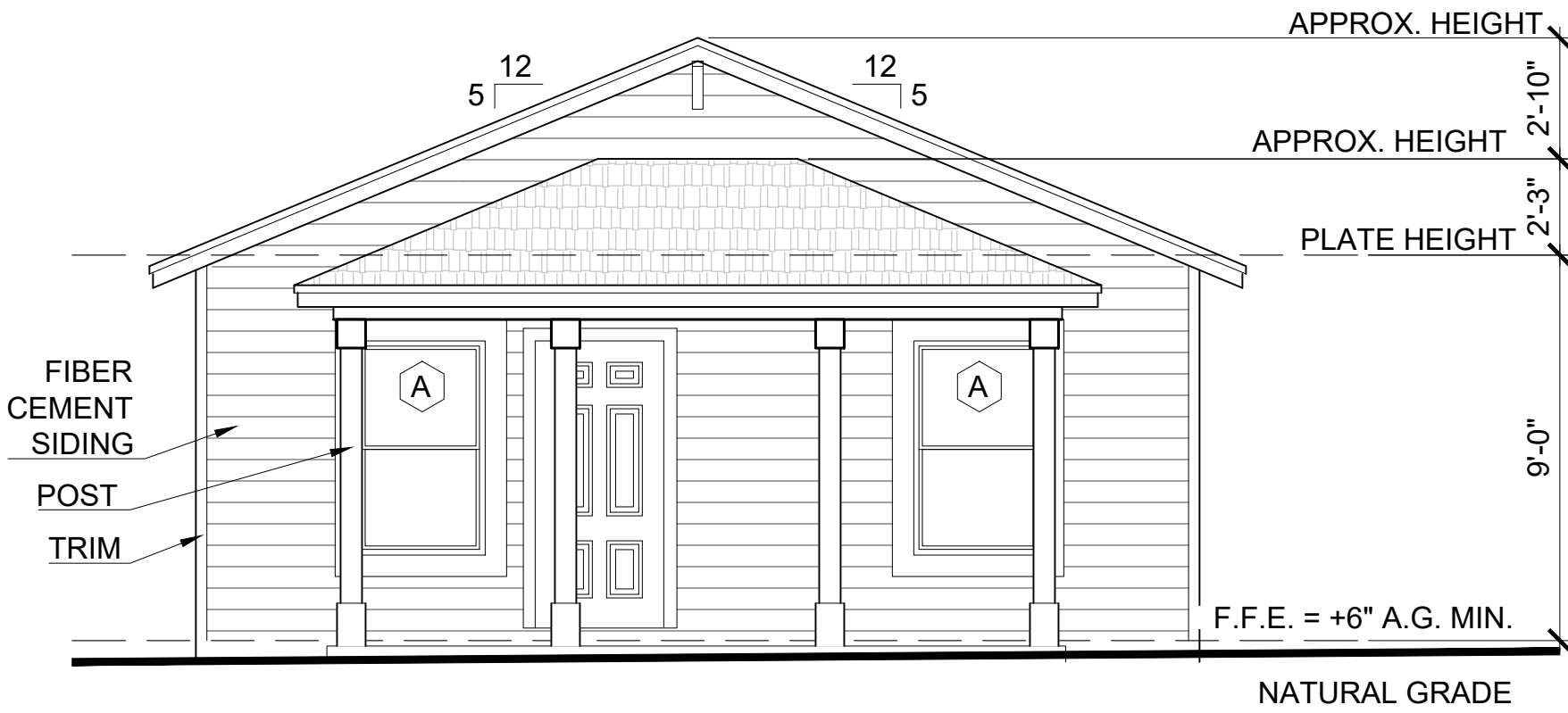
CLIENT:
CLIENT

PROJECT LOCATION OR ADDRESS:
ADDRESS
XXXXXXXX,TX 77XXX

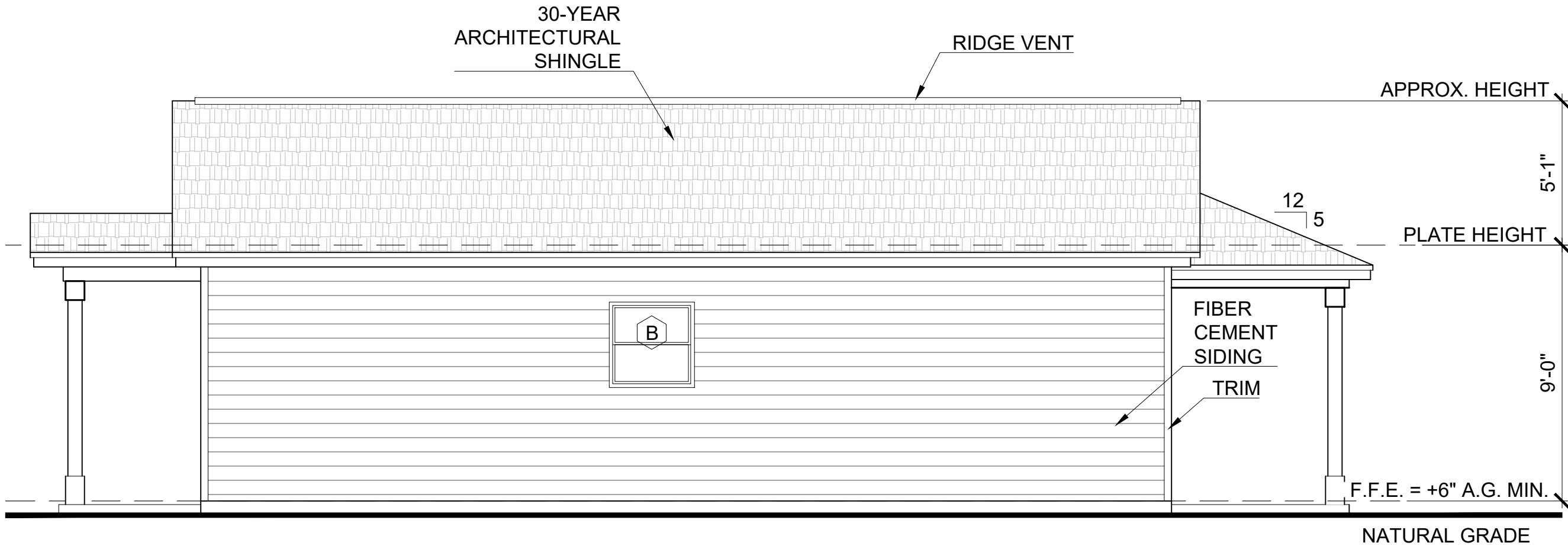
NEBULA
FLOOR PLAN - ROOF PLAN
OPTION 1 (STANDARD)

DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	1/4" = 1'-0"
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-1.00

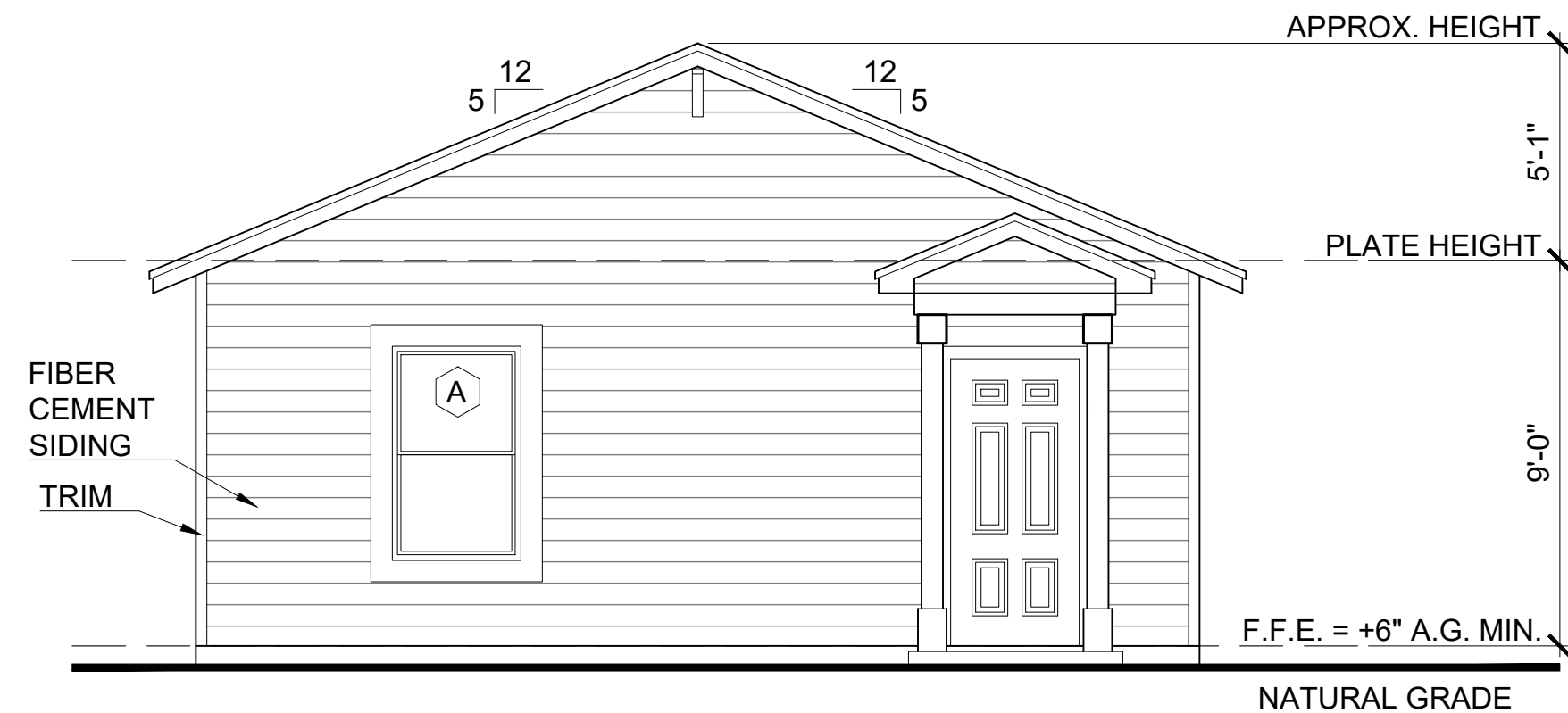
ATTIC VENTILATION CALCULATION	
AREA	SQUARE FOOTAGE
TOTAL AREA	989 S.F.
TOTAL REQUIRED VENTED AREA (1/150)	6.59 S.F.
REQUIRED RIDGE (HIP) VENTILATION	3.29
REQUIRED SOFFIT VENTILATION	3.29



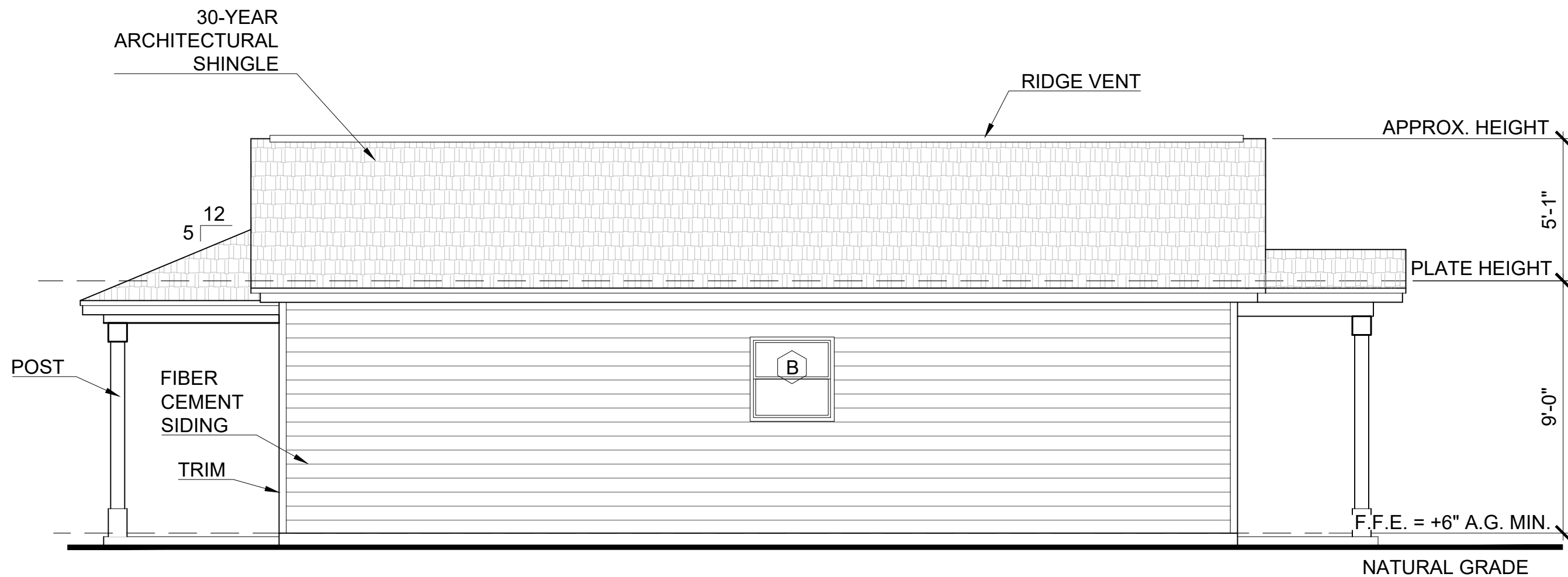
01 FRONT ELEVATION (STANDARD)
SCALE: 1/4" = 1'-0"



02 LEFT ELEVATION (STANDARD)
SCALE: 1/4" = 1'-0"



03 REAR ELEVATION (STANDARD)
SCALE: 1/4" = 1'-0"



04 RIGHT ELEVATION (STANDARD)
SCALE: 1/4" = 1'-0"

- NOTES
- WHEN REQUIRED SEE SHEET C-1.00 FOR LAYOUT AND LOCATION OF RAMP AND STAIRS
 - WHEN REQUIRED SEE SHEET SD-4.00 FOR RAMP AND STAIR DETAILS
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- SEE STRUCTURAL FOUNDATION PLAN FOR FLATWORK DIMENSIONS.
 - SEE SITE PLAN SHEET C-1.00 FOR EXTERIOR A/C LOCATION.

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NOTE: SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES



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CLIENT

PROJECT LOCATION OR ADDRESS:
ADDRESS
XXXXXXXX,TX 77XXX

NEBULA
EXTERIOR ELEVATIONS
OPTION 1 (STANDARD)

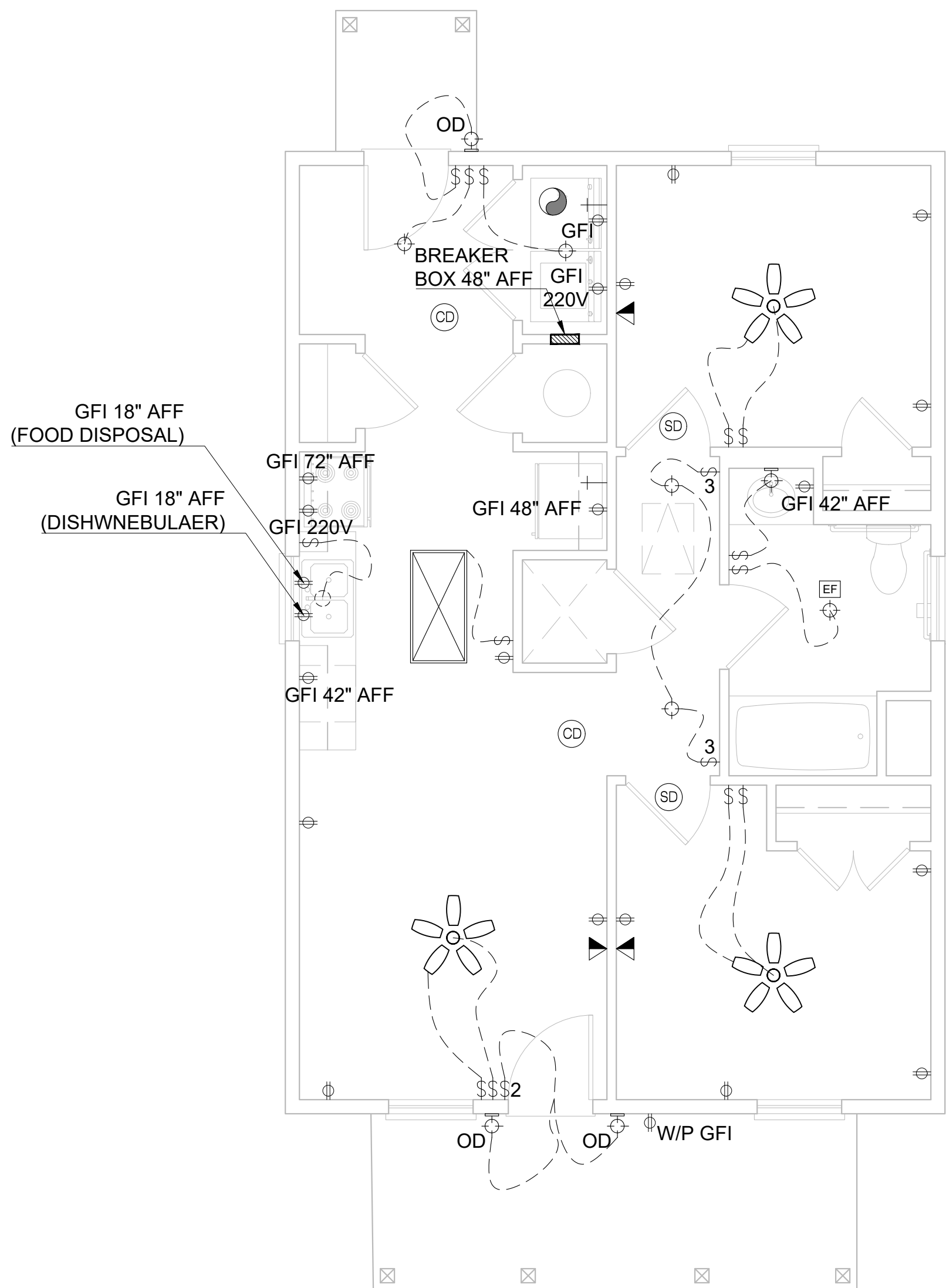
DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	1/4" = 1'-0"
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-2.00



03

WINDOW FLNEBULAING DETAIL

ALL OPTIONS



NOTE: WHEN GAS DRYER IS USED, A DEDICATED 240-VOLD BRANCH CIRCUIT WITHIN 3 FEET OF THE DRYER IS TO BE USED. THIS CIRCUIT SHALL HAVE A MINIMUM 30 AMP RATING. WHEN GAS RANGE IS USED, A DEDICATED 240-VOLD BRANCH CIRCUIT IS TO BE USED. THIS CIRCUIT SHALL HAVE A MINIMUM 50 AMP RATING. THE MAIN ELECTRICAL SERVICE SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED "FOR FUTURE 240V USE".

03

ELECTRICAL PLAN (STANDARD)

ALL OPTIONS

LEGEND	
	CEILING FAN W/ LIGHT KIT
	SURFACE MOUNTED LIGHT FIXTURE
	55 CFM EXHAUST FAN / LIGHT
	OUTDOOR SCONCE
	SWITCH
	STANDARD AFCI RECEPTACLE
	220V RECEPTACLE
	RECEPTACLE WITH GROUND FAULT INTERCEPT
	WATERPROOF WITH GROUND FAULT INTERCEPT
	OVERHEAD RECEPTACLE
	RECESSED CAN LIGHT
	SMOKE DETECTOR
	COMBO SMOKE / CARBON MONOXIDE DETECTOR
	CHANDELIER
	TV / PHONE JACK
	HOT / COLD WATER SUPPLY
	HOSE BIB
	EXHAUST VENT

NOTES	
1.	MAIN PANEL TO HAVE A MAIN BREAKER/DISCONNECT AND SURGE PROTECTOR
2.	110V RECEPTACLE TO BE WITHIN 25' OF EXTERIOR AIR COMPRESSOR PROVIDE ONE 110V, WEATHER PROTECTED GFCI OUTLET WITHIN 25' OF OUTSIDE HEATING/COOLING EQUIPMENT.

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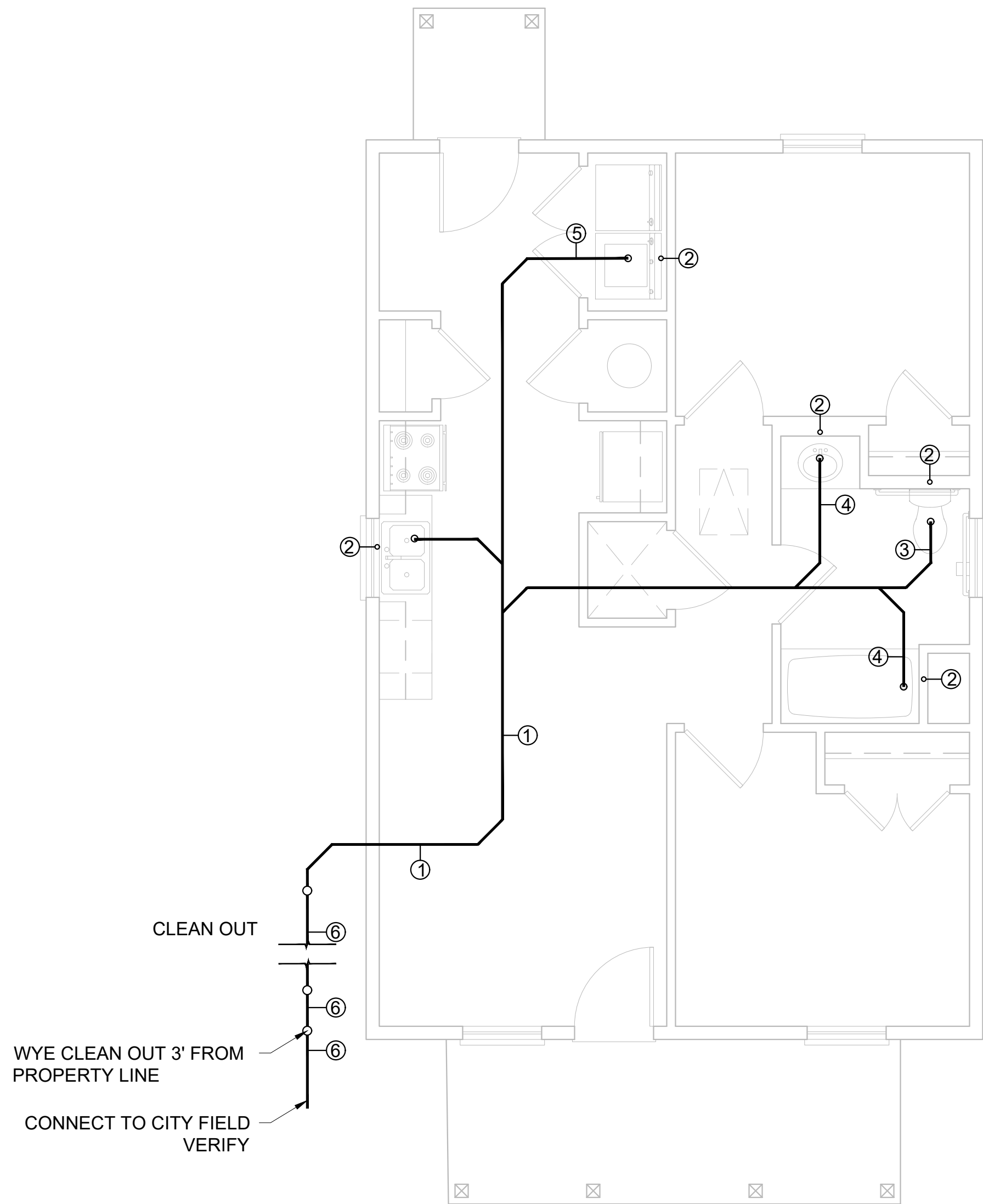
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COBALT
ENGINEERING AND INSPECTIONS, LLC
phone: 409-354-6825 email: info@cobalt-engineering.com

CLIENT: CLIENT			
PROJECT LOCATION OR ADDRESS: ADDRESS XXXXXXXXXX,TX 77XXX			
NEBULA ELECTRICAL PLAN AND SECTIONS ALL OPTIONS (STANDARD)			
DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	N.T.S.
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-3.00

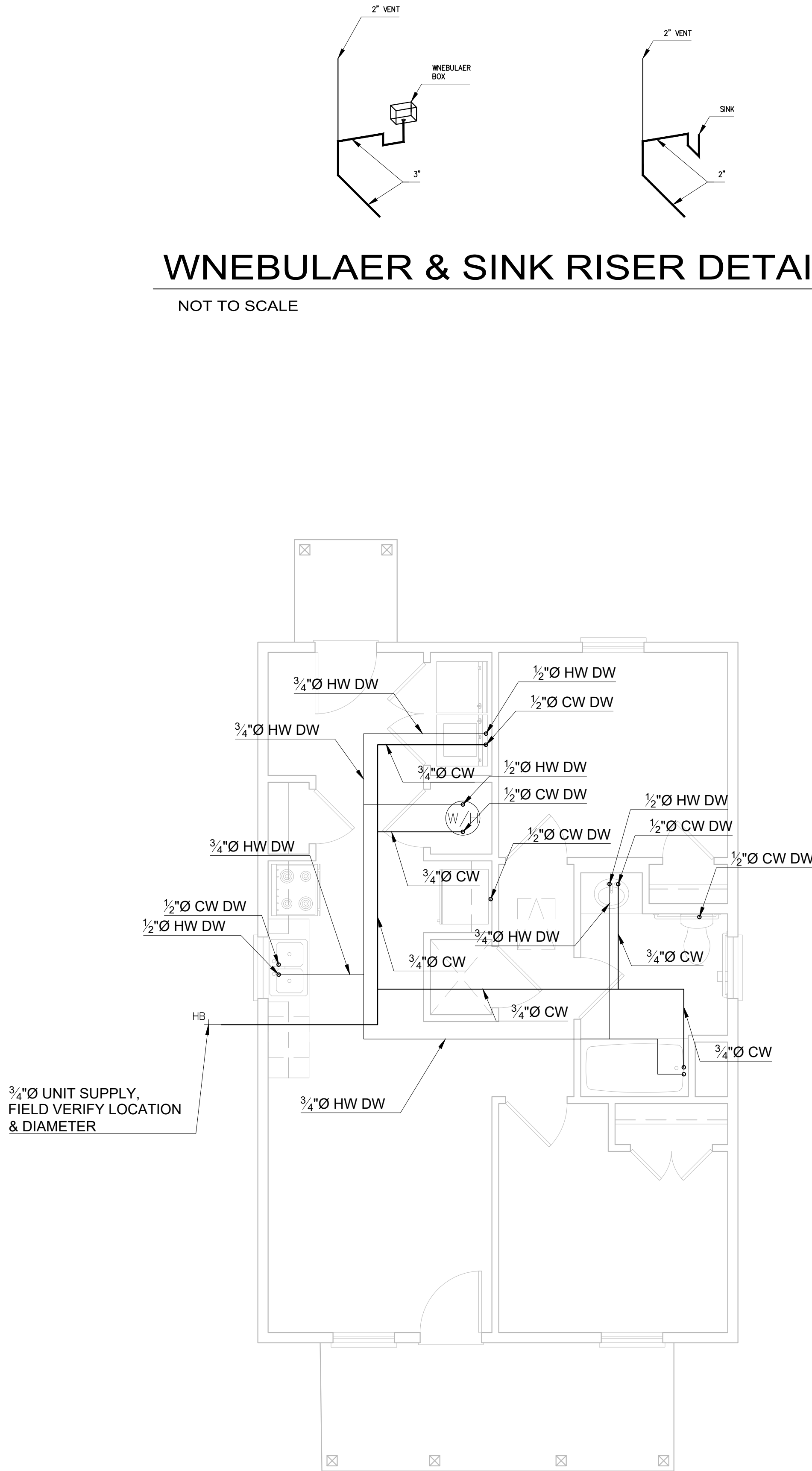


PLUMBING LEGEND

- ① 3" MAIN SANITARY LINE, PROVIDE CLEAN OUT AT EXTERIOR OF HOUSE
- ② 2" VENT PIPE
- ③ 3" SANITARY TO TOILET
- ④ 2" SANITARY AT SINK AND SHOWER
- ⑤ 3" SANITARY AT WNEBULAER
- ⑥ 4" SANITARY FROM CITY TO HOUSE

WNEBULAER & SINK RISER DETAILS

NOT TO SCALE



LEGEND

HB

EXHAUST VENT

HOSE BIB

EXHAUST VENT

NOTES

1. THIS DRAWING IS INTENDED FOR USE AS A RECOMMENDED LAYOUT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MEETING WITH APPLICABLE CODE.

2. EXHAUST FANS SHALL VENT DIRECTLY TO THE OUTSIDE AND BE LOCATED IN ACCORDANCE WITH SECTIONS R303.5.1 AND R303.5.2 OF THE INTERNATIONAL RESIDENTIAL CODE.

3. ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS PER IRC 603.3.3.

4. CLEANOUT REQUIRED ABOVE FLOOR LEVEL OF LOWEST FLOOR OF BUILDING FOR KITCHEN SINK. AND IS TO BE ON THE OUTSIDE WALL.

5. MINIMUM 30" X 22" RETURN AIR GRILLE.

6. MECHANICAL DRAIN LINES CANNOT CONNECT TO PLUMBING SYSTEM.

Revisions:

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COBALT

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phone: 409-354-5825 email: info@cobalt-engineering.com

CLIENT:

CLIENT

PROJECT LOCATION OR ADDRESS:

ADDRESS

XXXXXXXX, TX 77XXX

NEBULA

PLUMBING PLAN

(STANDARD)

DRAWN BY: DAS

CHECKED BY: CCH

PROJECT #:

XX-XXXX-XX

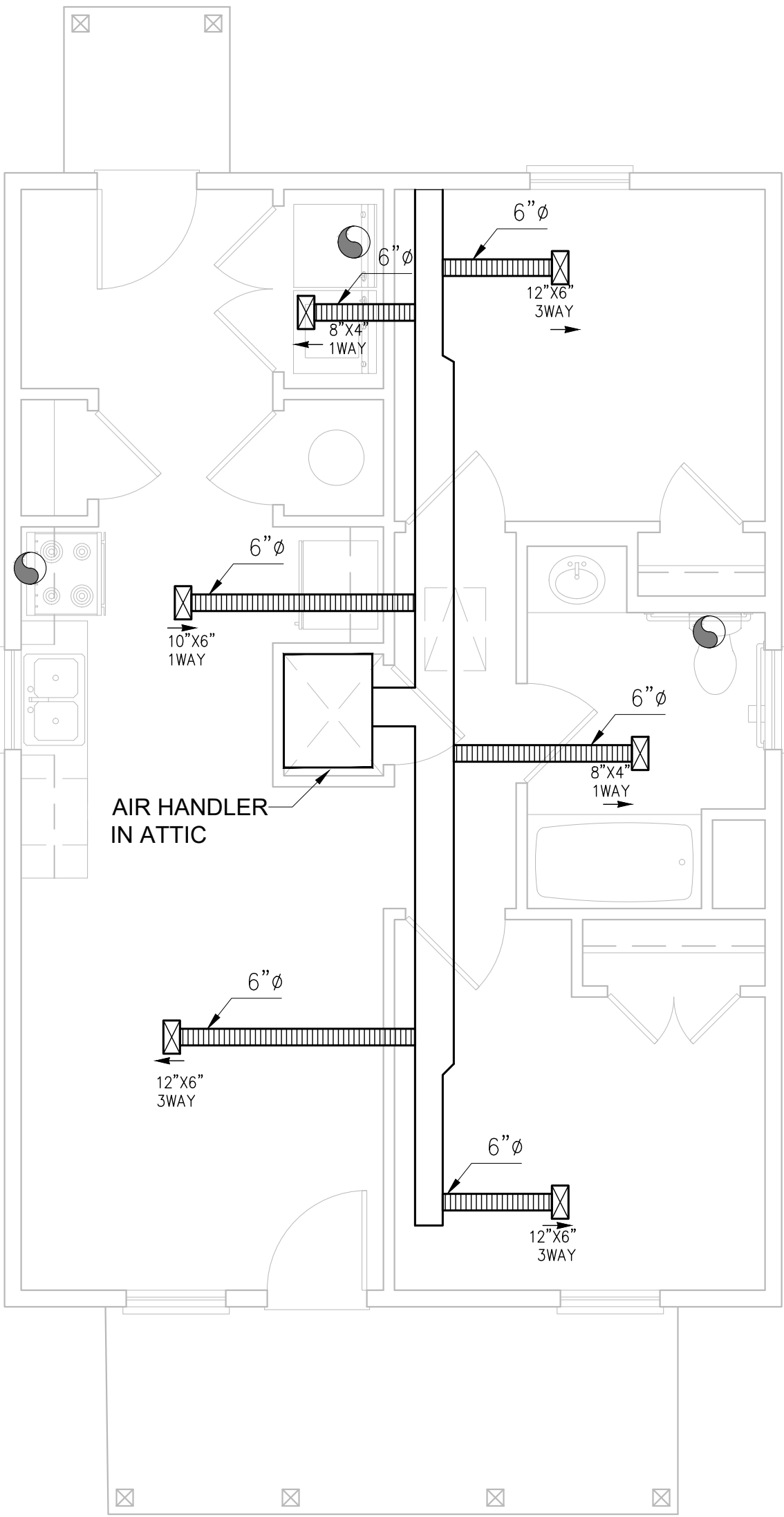
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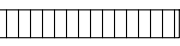
XX/XX/2023

XX-XXXX-HRAP-ASH-SOG-

A-4.00



LEGEND

-  EXHAUST FAN
-  SUPPLY AIR REGISTER
-  FLEX DUCT (R-8 MIN.)
-  RECTANGULAR DUCT (R-8 MIN.)

NOTES

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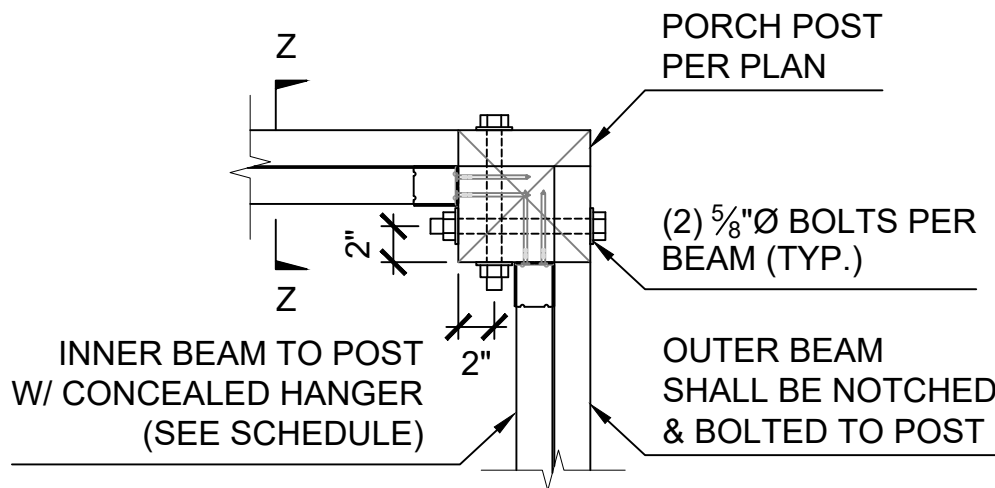
NOTE: SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES



CLIENT:			
CLIENT			
PROJECT LOCATION OR ADDRESS:			
ADDRESS			
XXXXXXXX,TX 77XXX			
NEBULA			
HVAC PLAN			
(STANDARD)			
DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-5.00

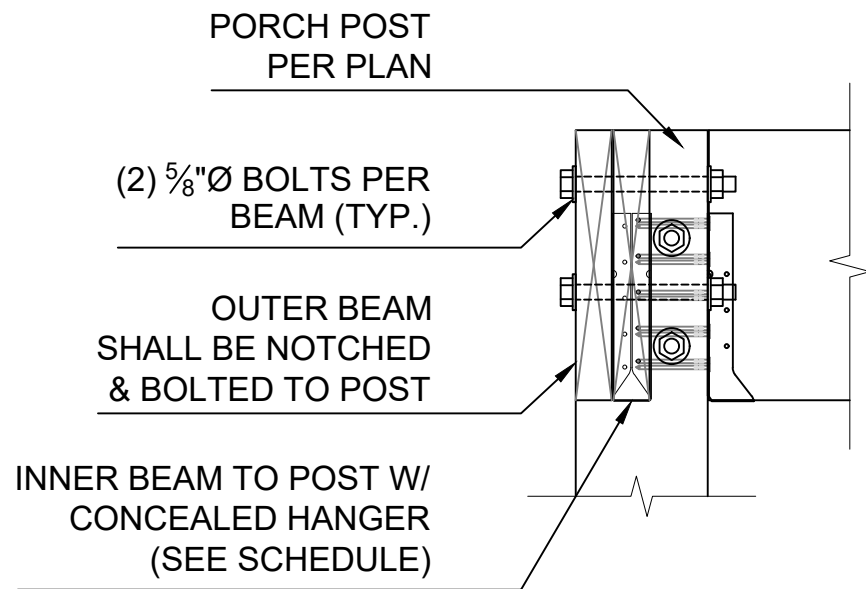
R401.1 GEOTECHNICAL EVALUATIONS - In lieu of a complete geotechnical evaluation, the load-bearing values in table R401.4.1 shall be assumed.

R401.4.1	
CLASS OF MATERIAL	LOAD BEARING PRESSURE (POUNDS PER SQ. FT.)
CLAY, SANDY CLAY, SILTY CLAY, CAYEY SILT, SILT AND SANDY SILT (CL, ML, MH, & CH)	1500



CORNER PORCH POST DETAIL

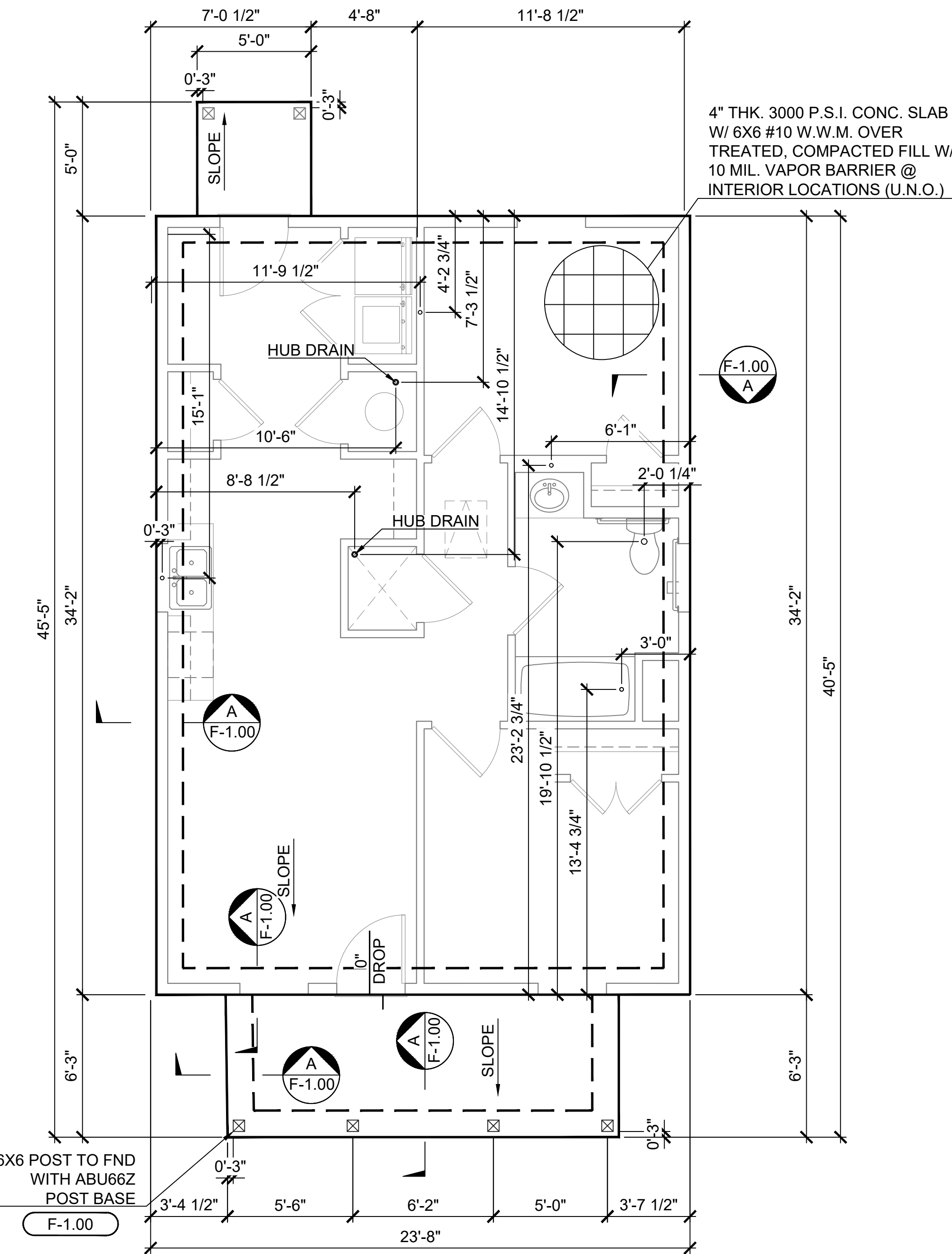
N.T.S.



SECTION Z-Z

N.T.S.

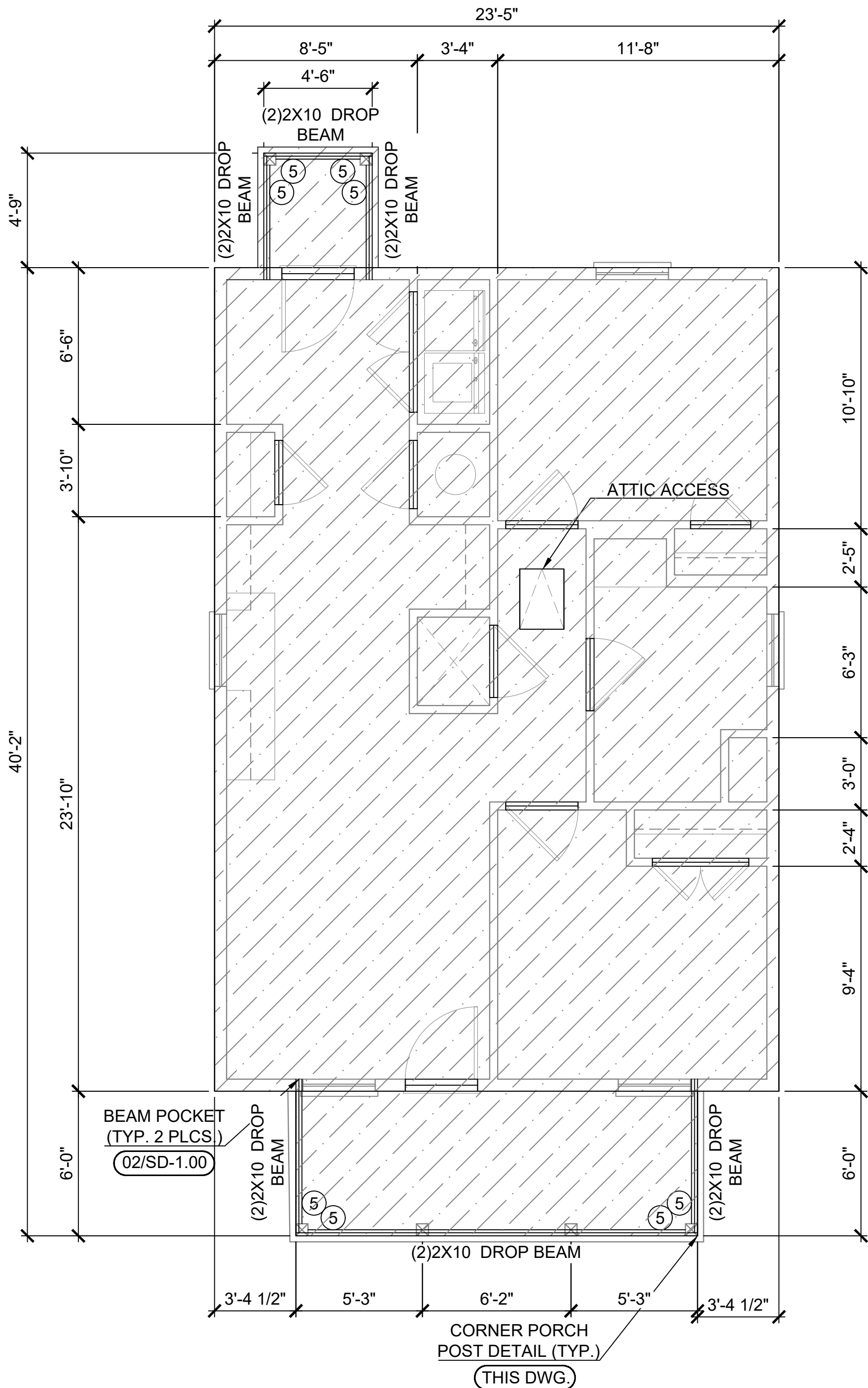
HANGER SCHEDULE		
MARK	MEMBER SIZE	MODEL NUMBER
①	2X6	LUS26 OR LUC26Z CONCEALED
②	(2) 2X6	LUS26-2 OR HUC26-2 CONCEALED
③	2X8	LUS28 OR LUC28Z CONCEALED
④	(2) 2X8	LUS28-2 OR HUC28-2 CONCEALED
⑤	2X10	LUS210 OR LUC210Z CONCEALED
⑥	(2) 2X10	HUS210-2 OR HUC210-2 CONCEALED
⑦	2X12	HUS210 OR LUC210Z CONCEALED
SOME MODELS MAY NOT BE USED (SEE FRAMING PLAN FOR LOCATION)		



FOUNDATION PLAN (STANDARD)

01

ALL OPTIONS

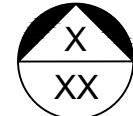


CEILING JOIST PLAN (STANDARD)

02

ALL OPTIONS

LEGEND



--- DETAIL
--- PAGE #

--- FULL HEIGHT BLOCKING

--- TYPICAL STRONG BACK SEE
DETL. #3 ON DWG. SD-2.00

--- PONY WALL EXTENDED
TO ROOF DIAPHRAGM

--- 3000Fb ANTHONY POWER BEAM
(SEE PLAN FOR SIZE)

NOTES

FOUNDATION:
1. WALLS SHOWN FOR CLARITY ONLY.

CONCRETE HOLD-DOWNS:
1. SEE DRAWING S-2.00 FOR TYPE OF
HOLD-DOWN REQUIRED.

2. SEE DRAWING F-1.00 FOR HOLD-DOWN
INSTALLATION DETAIL. (REFER TO
MANUFACTURERS INSTALLATION
INSTRUCTIONS FOR ADDITIONAL REQ'S.)

STUD PACK FRAMING:
1. (4) 2X STUD PACK UNDER EACH END OF 2X
SOLID SAWN BEAM.

2. (6) 2X STUD PACK UNDER EACH END OF
GLULAM BEAM. (SEE PLAN FOR BEAM SIZE)

HEADER FRAMING:
1. REFER TO DETAIL 1 ON SD-1.00 FOR ALL
HEADER REQUIREMENTS. (U.N.O.)

2. POCKET DOOR HEADERS SHALL SPAN THE
OPENING & THE DOOR CAVITY (TYPICAL)

CEILING FRAMING:
1. ALL CEILING JOISTS SHALL BE 2X6 16" O.C.
(U.N.O.)

2. ATTIC ACCESS SHALL BE NO LESS THAN
350LB CAPACITY FOLDING STAIR SYSTEM.

FRAMING:
1. ALL STUDS, FLOOR JOISTS, RAFTERS, TRUSS,
ETC. SHALL VERTICALLY ALIGN AND BEAR
DIRECTLY ON EACH OTHER.

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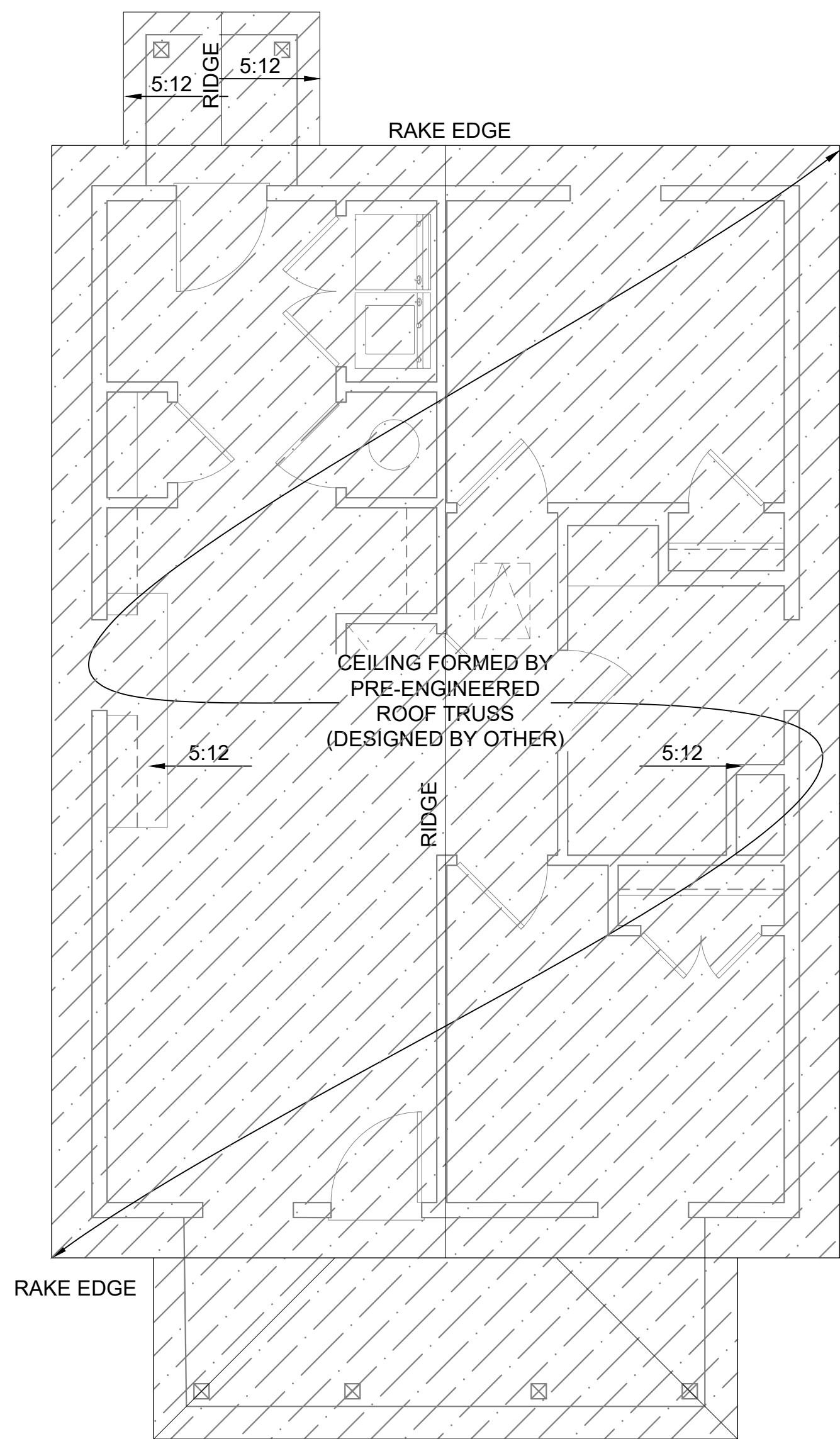
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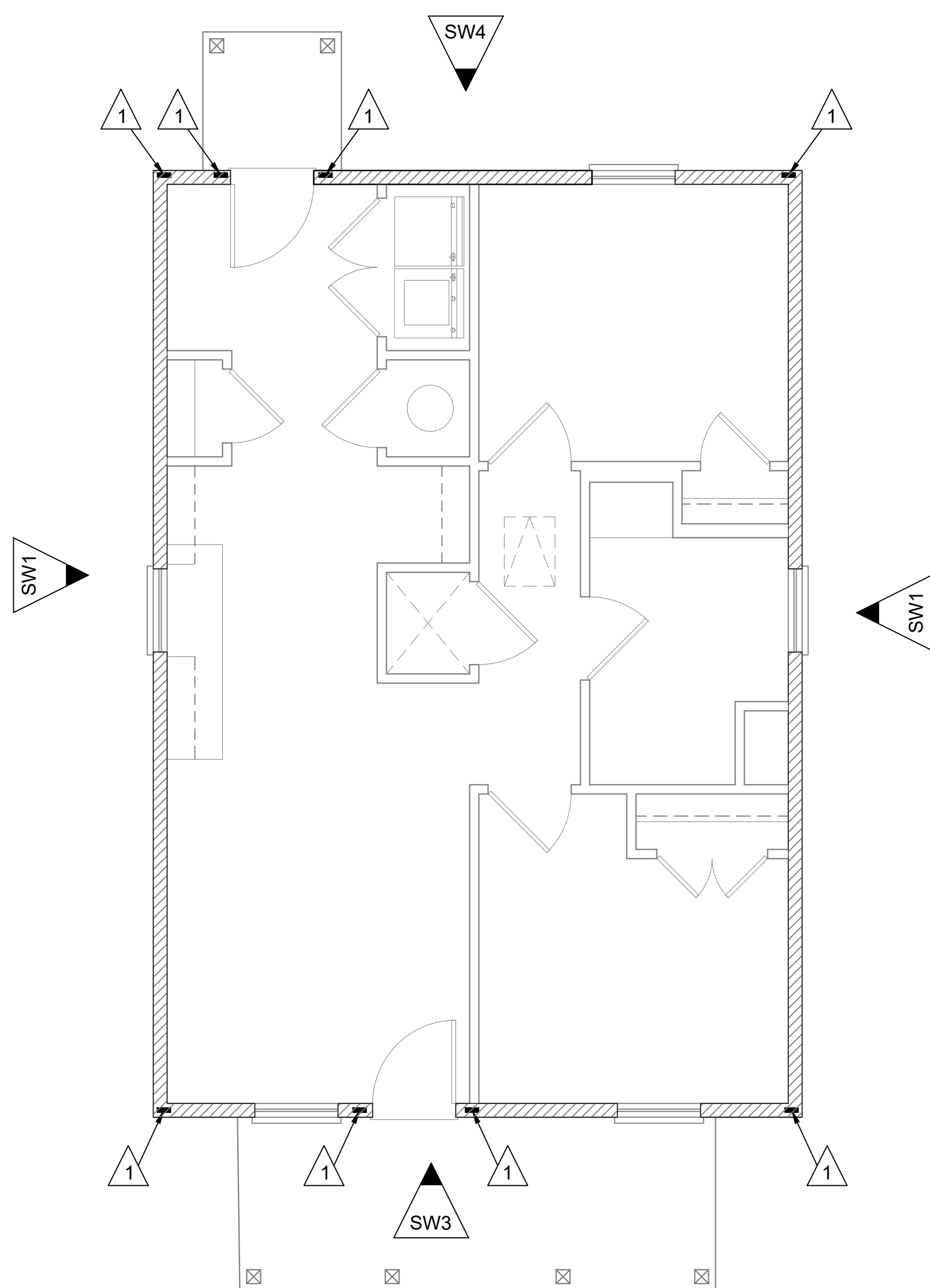
PROJECT LOCATION OR ADDRESS:
ADDRESS
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FOUNDATION & CEILING JOIST PLANS
ALL OPTIONS (STANDARD)

DRAWN BY:	AW	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	1/4"=1'-0"
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG- S-1.00	



03 RAFTER PLAN (STANDARD)



04 SHEARWALL & HOLD-DOWN PLAN (STANDARD)

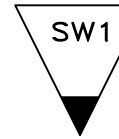
ALL OPTIONS

LEGEND

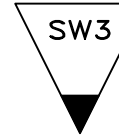
- BRACE POINT
- BW - BRACE TO WALL
- BS - BRACE TO STRONGBACK
- BB - BRACE TO BEAM

SHEAR WALLS:

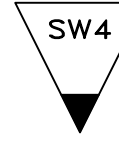
ALL SHEARWALLS SHALL EXTEND TO ROOF DIAPHRAGM OR NEXT FLOOR DIAPHRAGM.



SW1 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 6" PERIMETER AND W/6" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS



SW3 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 3" PERIMETER AND W/3" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS



SW4 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 4" PERIMETER AND W/4" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS

HOLD-DOWNS:



STHD14 W/ (30) 16D SINKER NAILS IN STUD PACK PER MANUFACTURERS INSTRUCTIONS

OR

HDU5-SDS2.5 USE (14) 1/4"x2 1/2"SDS SCREWS PER MANUFACTURERS INSTRUCTIONS



HDU8-SDS2.5 USE (20) 1/4"x2 1/2"SDS SCREWS PER MANUFACTURERS INSTRUCTIONS

NOTES

ROOF FRAMING:

1. ROOF DECKING: 1 1/2" APA RATED PLYWOOD OR 7/16" APA RATED OSB, 0.113 x 2-3/8" RING SHANK NAILS, 4" AROUND PERIMETER OF DIAPHRAGM. 4" EDGE & 4" FIELD NAIL PATTERN.
2. RIDGES TO BE 2x10 (UNO)
3. ALL HIPS TO BE 2x8 (UNO)
4. ALL RAFTERS TO BE 2x6 16"O.C. (UNO)
5. RAFTER TAILS SHALL BE A CONTINUOUS MEMBER EXTENDING FROM RAFTER (NO SPLICE)
6. ALL SHINGLES SHALL BE 30 YEAR W/ ASTM D7158 CLASS H WITH 6 NAIL PER SHINGLE.

FRAMING:

1. ALL STUDS, FLOOR JOISTS, RAFTERS, TRUSS, ETC. SHALL VERTICALLY ALIGN AND BEAR DIRECTLY ON EACH OTHER.

Revisions:

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NOTE: SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES



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XXXXXXXX,TX 77XXX

###

RAFTER & SHEARWALL PLAN

(STANDARD)

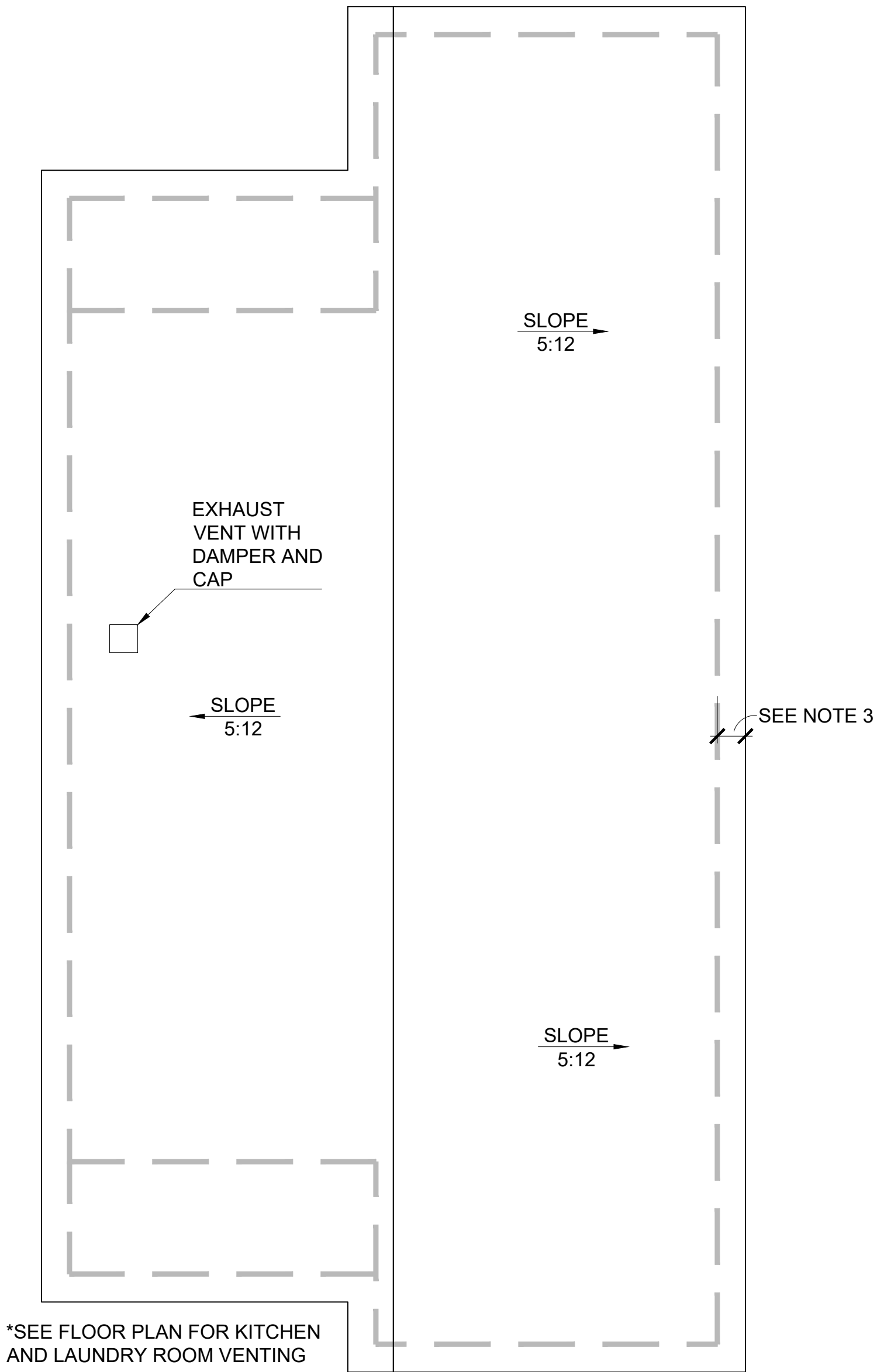
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PROJECT #:	XX-XXXX-XX	SCALE:	1/4"=1'-0"
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG- S-2.00	

DOOR SCHEDULE			
MARK	QTY	DESCRIPTIONS	REMARKS
01	1	3'-0" X 6'-8"	EXTERIOR WITH PEEPHOLE
02	1	3'-0" X 6'-8"	EXTERIOR DOOR
03	6	3'-0" X 6'-8"	INTERIOR
04	2	(2) 2'-0" X 6'-8"	DOUBLE DOORS
05	1	2'-6" X 6'-8"	INTERIOR
06	1	2'-8" X 6'-8'	VENTED
07	1	22" X 30" MIN. ATTIC ACCESS	350 POUND LADDER RATING

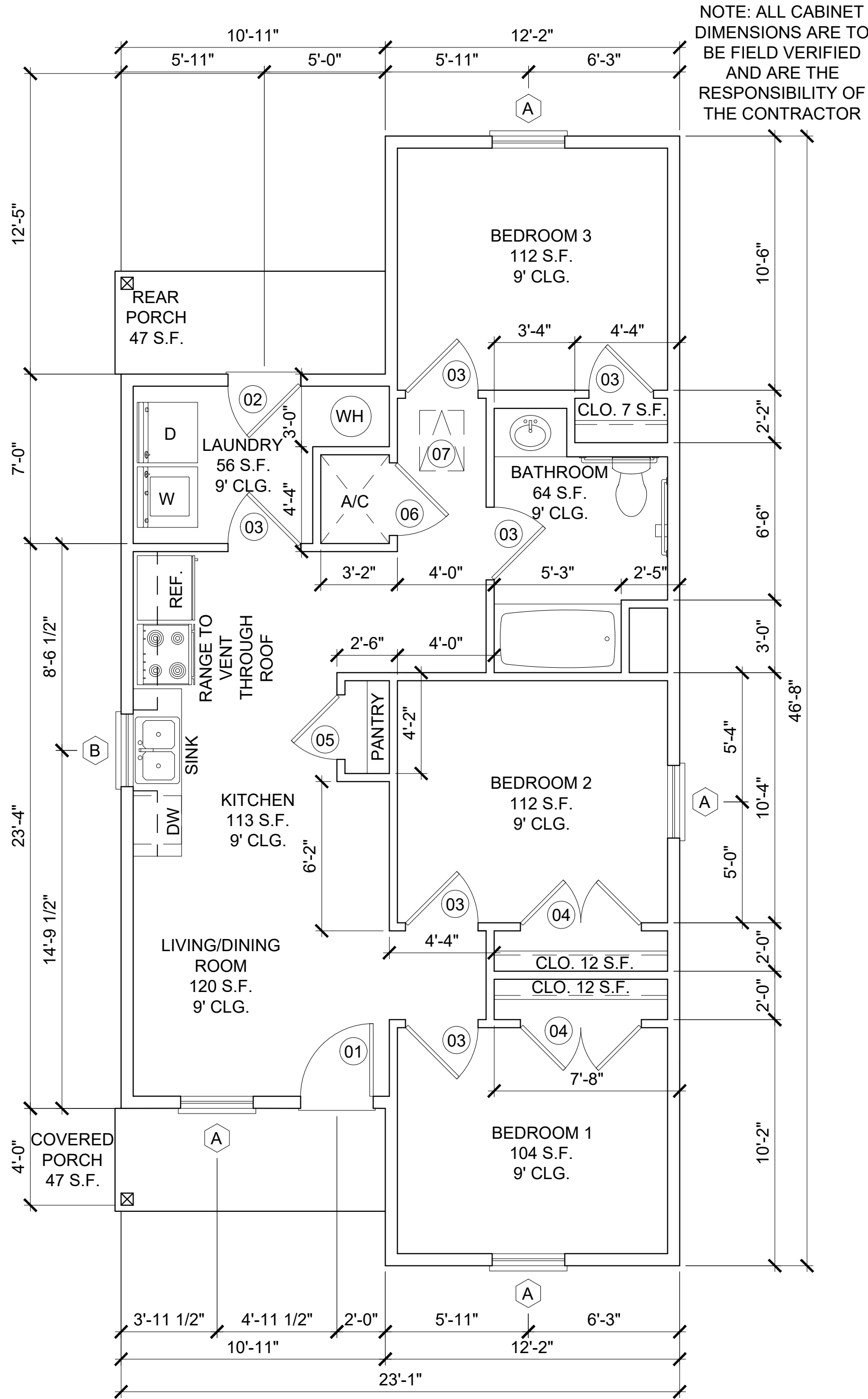
NOTE: ALL WINDOWS AND DOORS TO HAVE A STC RATING OF 40 OR HIGHER

WINDOW SCHEDULE			
MARK	QTY.	DESCRIPTIONS	REMARKS
A	4	3'-0" X 5'-0"	SINGLE HUNG
B	1	3'-0" X 3'-0"	SINGLE HUNG

SQUARE FOOTAGE CALCULATIONS		
LOCATION	SQUARE FOOTAGE	REMARKS
FLOOR PLAN	899 S.F.	
COVERED PORCH	47 S.F.	
REAR PATIO	47 S.F.	



01 ROOF PLAN (STANDARD)
OPTION 1



02 FLOOR PLAN (STANDARD)
OPTION 1

- NOTES
- WHEN REQUIRED SEE SHEET C-1.00 FOR LAYOUT AND LOCATION OF RAMP AND STAIRS
 - WHEN REQUIRED SEE SHEET SD-4.00 FOR RAMP AND STAIR DETAILS
 - ROOF OVERHANG SHALL BE A MINIMUM OF 18 INCHES (INCLUDING GUTTERS) BEYOND THE OUTER MOST PORTION IF ANY EXTERIOR VENEER. CONTRACTOR TO ADJUST RAFTER TAILS AS REQUIRED.
 - WINDOWS USED FOR EGRESS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 S.F. WITH A MINIMUM HEIGHT OF 24" AND A MINIMUM WIDTH OF 20" PER THE INTERNATIONAL RESIDENTIAL CODE.
 - PLAIN HALF-ROUND 6" WIDE AND 4" DIAMETER DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED. OR STANDARD K-STYLE 6" WIDE AND 3"x4" DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED.
 - ALL DOWNSPOUTS TO HAVE SPLASH BLOCK.
 - SMART VENT (1540-510) FLOOD VENTS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN AN "A" FLOOD ZONE.
 - FEMA APPROVED BREAKAWAY WALLS OR LOUVERS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN A "V" FLOOD ZONE.
 - ALL MATERIALS BELOW BFE AND/OR DFE SHALL BE FLOOD RESISTANT MATERIAL INCLUDING, BUT NOT LIMITED TO TREATED FRAMING MATERIAL. SEE FEMA TECHNICAL BULLETIN 2, FLOOD DAMAGE RESISTANT MATERIALS REQUIREMENTS (2008).
 - RAIN DIVERTER STRIP IS REQUIRED OVER A/C UNIT AND ENTRANCES.

THE ATTIC ACCESS IS REQUIRED TO BE A MINIMUM OF 22"x30", ASSUMING THAT NO EQUIPMENT WILL BE INSTALLED IN THE ATTIC SPACE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONFIRM SITE SPECIFIC REQUIREMENTS."

- SEE STRUCTURAL FOUNDATION PLAN FOR FLATWORK DIMENSIONS.
- SEE SITE PLAN SHEET C-1.00 FOR EXTERIOR A/C LOCATION.

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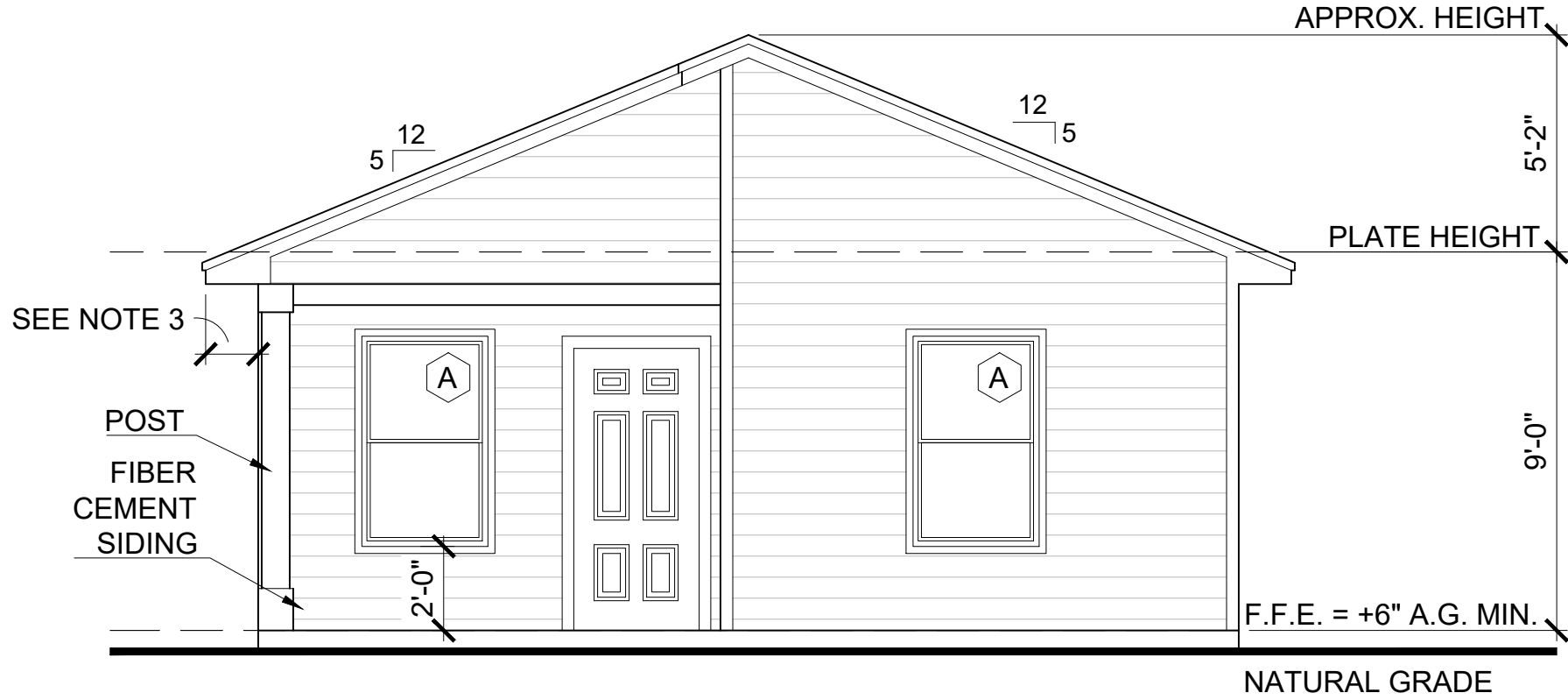


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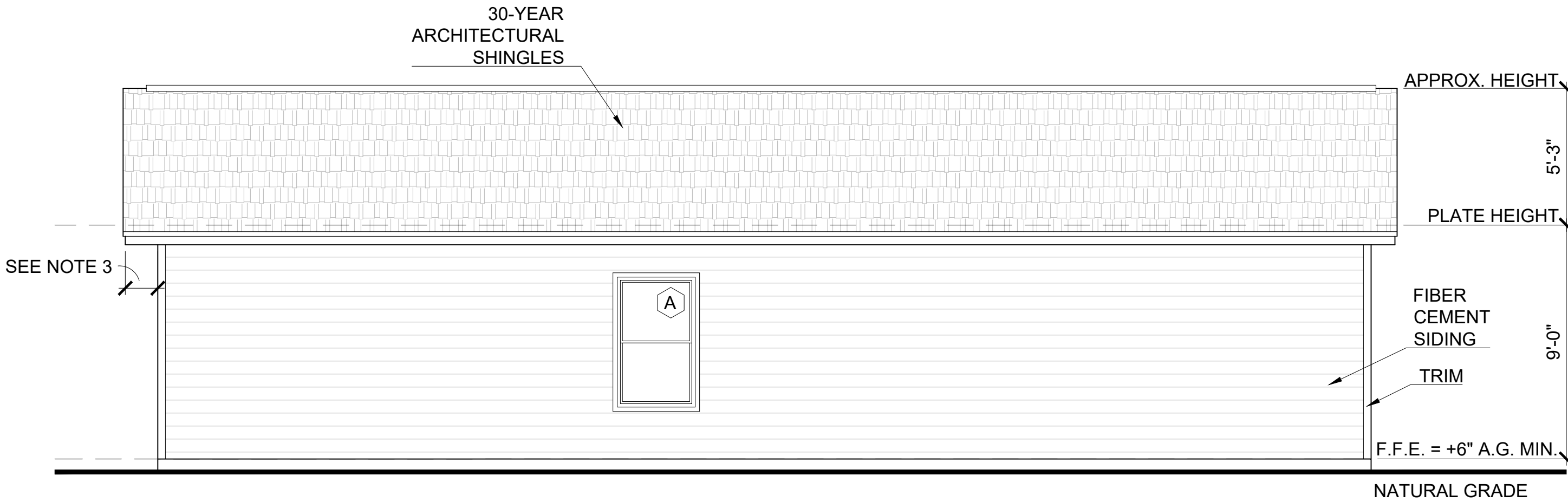
PROJECT LOCATION OR ADDRESS:
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HUBBLE
FLOOR PLAN - ROOF PLAN
OPTION 1 (STANDARD)

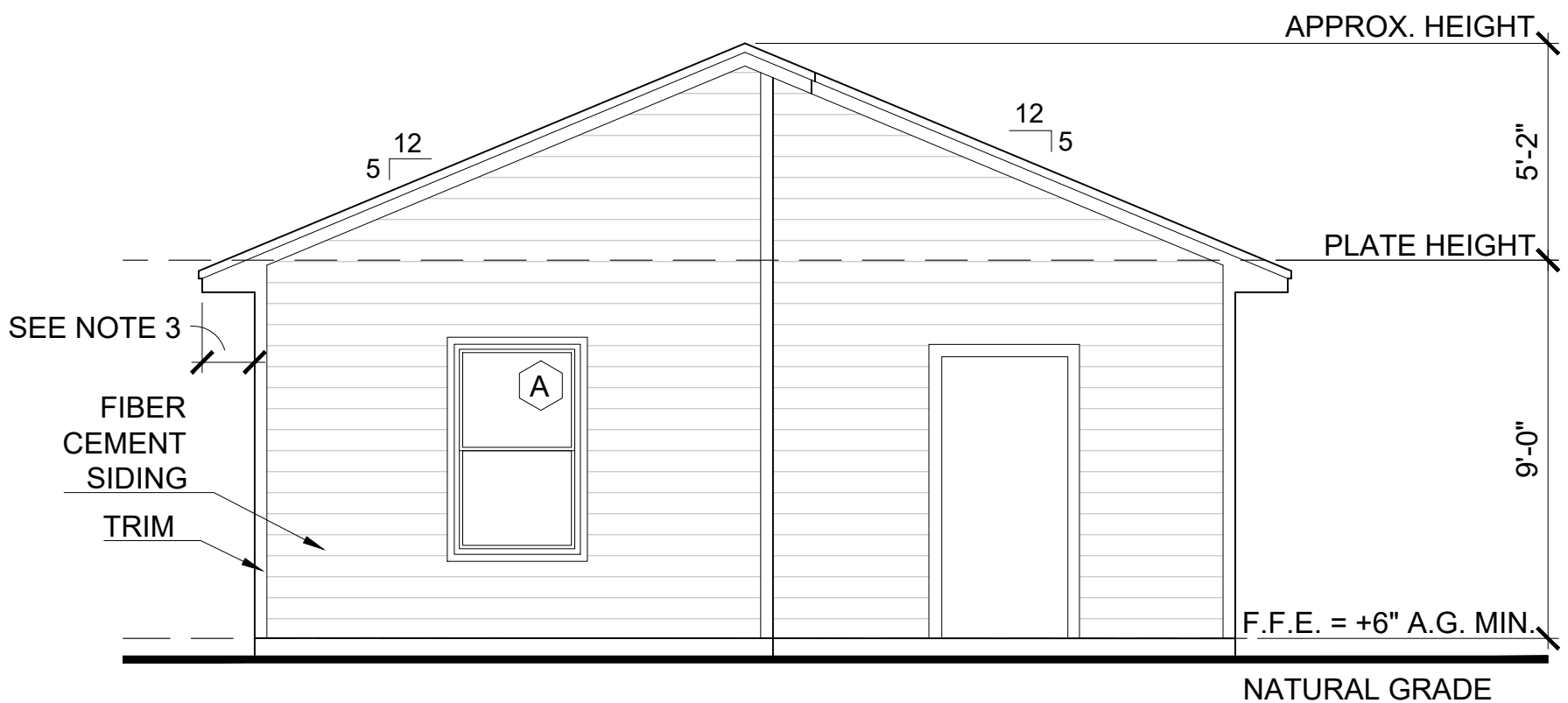
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DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-1.00



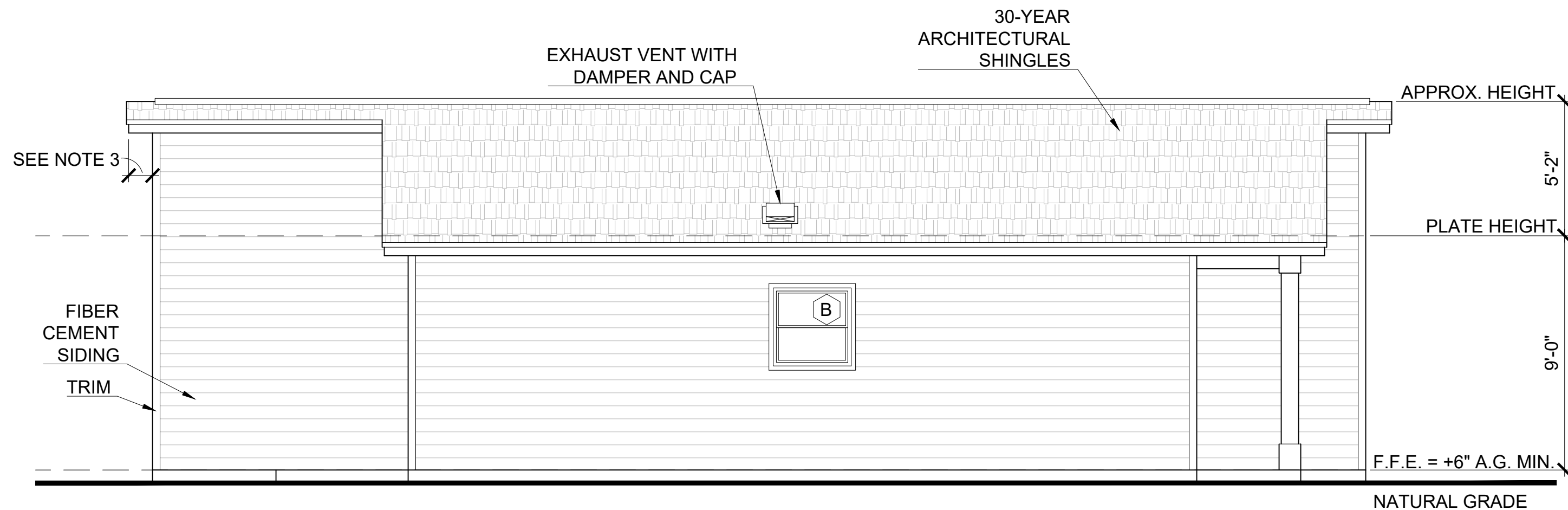
01 FRONT ELEVATION (STANDARD)
OPTION 1



02 RIGHT ELEVATION (STANDARD)
OPTION 1



03 REAR ELEVATION (STANDARD)
OPTION 1



04 LEFT ELEVATION (STANDARD)
OPTION 1

ATTIC VENTILATION CALCULATION	
AREA	SQUARE FOOTAGE
TOTAL AREA	1,130 S.F.
TOTAL REQUIRED VENTED AREA (1/150)	7.53 S.F.
REQUIRED RIDGE (HIP) VENTILATION	3.77
REQUIRED SOFFIT VENTILATION	3.77

- NOTES
1.

WHEN REQUIRED SEE SHEET C-1.00 FOR LAYOUT AND LOCATION OF RAMP AND STAIRS
2.

WHEN REQUIRED SEE SHEET SD-4.00 FOR RAMP AND STAIR DETAILS
3.

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PLAIN HALF-ROUND 6" WIDE AND 4" DIAMETER DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED. OR STANDARD K-STYLE 6" WIDE AND 3"x4" DOWNSPOUT, MINIMUM 22-GAUGE GALVANIZED STEEL, PREFINISHED.
6.

ALL DOWNSPOUTS TO HAVE SPLASH BLOCK.
7.

SMART VENT (1540-510) FLOOD VENTS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN AN "A" FLOOD ZONE.
8.

FEMA APPROVED BREAKAWAY WALLS OR LOUVERS ARE REQUIRED WHEN ENCLOSED SPACE IS BELOW B.F.E. IN A "V" FLOOD ZONE.
9.

ALL MATERIALS BELOW BFE AND/OR DFE SHALL BE FLOOD RESISTANT MATERIAL INCLUDING, BUT NOT LIMITED TO TREATED FRAMING MATERIAL. SEE FEMA TECHNICAL BULLETIN 2, FLOOD DAMAGE RESISTANT MATERIALS REQUIREMENTS (2008).
10.

RAIN DIVERTER STRIP IS REQUIRED OVER A/C UNIT AND ENTRANCES.
- THE ATTIC ACCESS IS REQUIRED TO BE A MINIMUM OF 22"x30", ASSUMING THAT NO EQUIPMENT WILL BE INSTALLED IN THE ATTIC SPACE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONFIRM SITE SPECIFIC REQUIREMENTS."
11.

SEE STRUCTURAL FOUNDATION PLAN FOR FLATWORK DIMENSIONS.
12.

SEE SITE PLAN SHEET C-1.00 FOR EXTERIOR A/C LOCATION.

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HUBBLE
EXTERIOR ELEVATIONS
OPTION 1 (STANDARD)

DRAWN BY: DAS

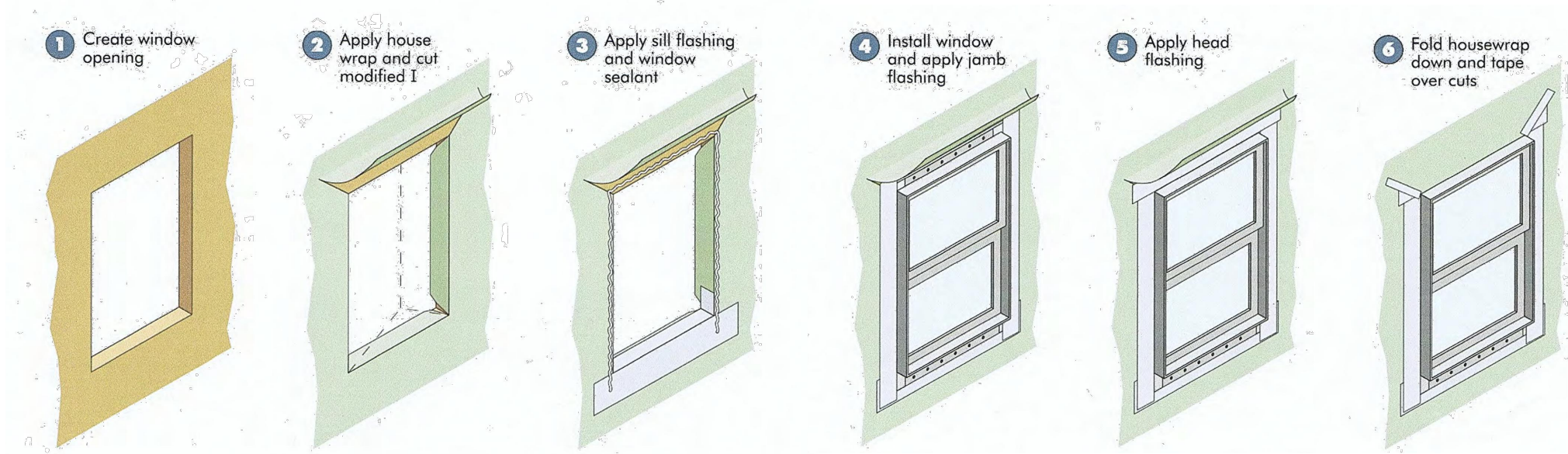
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PROJECT #: XX-XXXX-XX

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

DATE: XX/XX/2023

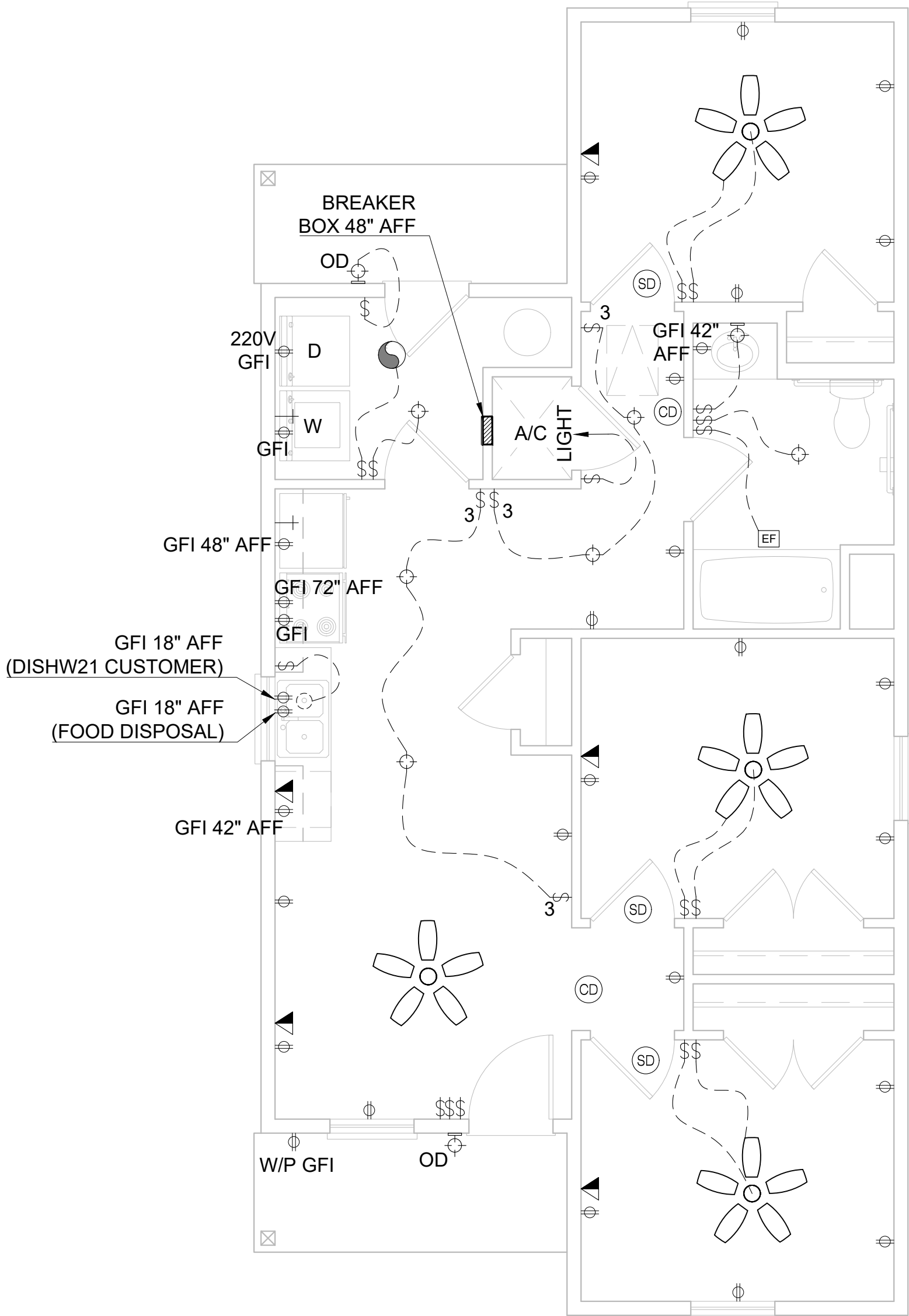
XX-XXXX-HRAP-ASH-SOG- A-2.00



03

WINDOW FL21 CUSTOMING DETAIL

ALL OPTIONS



NOTE: WHEN GAS DRYER IS USED, A DEDICATED 240-VOLD BRANCH CIRCUIT WITHIN 3 FEET OF THE DRYER IS TO BE USED. THIS CIRCUIT SHALL HAVE A MINIMUM 30 AMP RATING. WHEN GAS RANGE IS USED, A DEDICATED 240-VOLD BRANCH CIRCUIT IS TO BE USED. THIS CIRCUIT SHALL HAVE A MINIMUM 50 AMP RATING. THE MAIN ELECTRICAL SERVICE SHALL HAVE A RESERVED SPACE TO ALLOW FOR THE INSTALLATION OF A DOUBLE POLE CIRCUIT BREAKER. THE RESERVED SPACE SHALL BE PERMANENTLY MARKED "FOR FUTURE 240V USE".

03

ELECTRICAL PLAN (STANDARD)

ALL OPTIONS

LEGEND	
	CEILING FAN W/ LIGHT KIT
	SURFACE MOUNTED LIGHT FIXTURE
	55 CFM EXHAUST FAN / LIGHT
	OUTDOOR SCONCE
	SWITCH
	STANDARD AFCI RECEPTACLE
	220V RECEPTACLE
	RECEPTACLE WITH GROUND FAULT INTERCEPT
	WATERPROOF WITH GROUND FAULT INTERCEPT
	OVERHEAD RECEPTACLE
	RECESSED CAN LIGHT
	SMOKE DETECTOR
	COMBO SMOKE / CARBON MONOXIDE DETECTOR
	CHANDELIER
	TV / PHONE JACK
	HOT / COLD WATER SUPPLY
	HOSE BIB
	EXHAUST VENT

NOTES	
1. MAIN PANEL TO HAVE A MAIN BREAKER/DISCONNECT AND SURGE PROTECTOR	
2. 110V RECEPTACLE TO BE WITHIN 25' OF EXTERIOR AIR COMPRESSOR PROVIDE ONE 110V, WEATHER PROTECTED GFCI OUTLET WITHIN 25' OF OUTSIDE HEATING/COOLING EQUIPMENT.	
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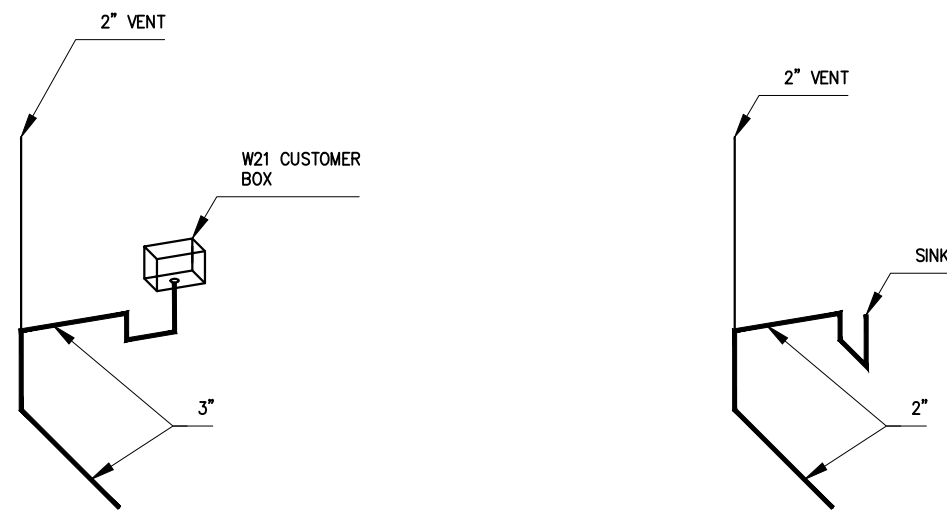
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PROJECT LOCATION OR ADDRESS:			
ADDRESS			
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HUBBLE			
ELECTRICAL PLAN AND SECTIONS			
ALL OPTIONS (STANDARD)			
DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	N.T.S.
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-3.00

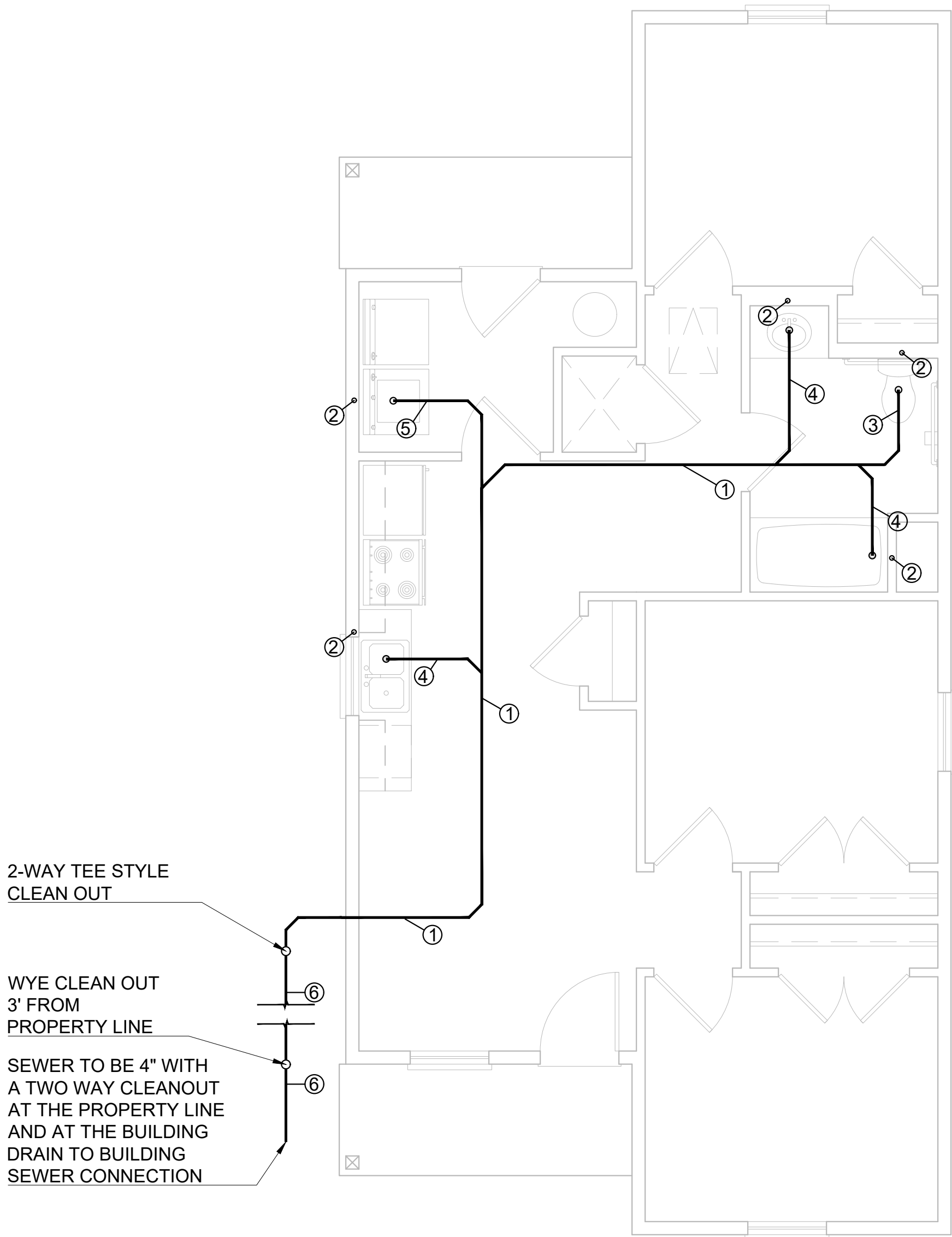
PLUMBING LEGEND

- ① 3" MAIN SANITARY LINE, PROVIDE CLEAN OUT AT EXTERIOR OF HOUSE
- ② 2" VENT PIPE
- ③ 3" SANITARY TO TOILET
- ④ 2" SANITARY AT SINK AND SHOWER
- ⑤ 3" SANITARY AT W21 CUSTOMER
- ⑥ 4" SANITARY FROM CITY TO HOUSE



W21 CUSTOMER & SINK RISER DETAILS

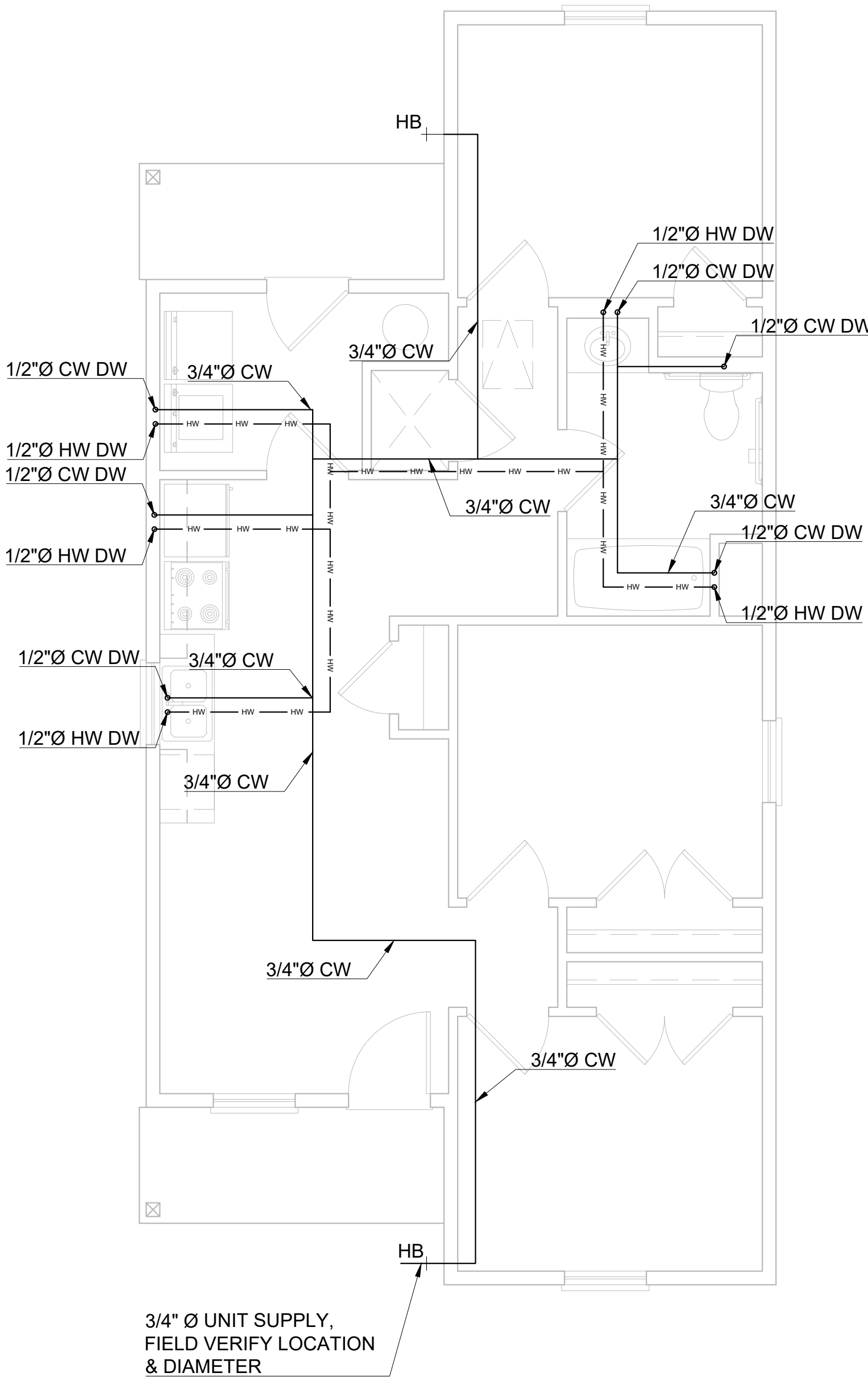
NOT TO SCALE



01

PLUMBING PLAN (STANDARD)

ALL OPTIONS



02

PLUMBING PLAN (STANDARD)

ALL OPTIONS

LEGEND

- HB HOSE BIB
- EXHAUST VENT

NOTES

- THIS DRAWING IS INTENDED FOR USE AS A RECOMMENDED LAYOUT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MEETING WITH APPLICABLE CODE.
- EXHAUST FANS SHALL VENT DIRECTLY TO THE OUTSIDE AND BE LOCATED IN ACCORDANCE WITH SECTIONS R303.5.1 AND R303.5.2 OF THE INTERNATIONAL RESIDENTIAL CODE.
- ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS PER IRC 603.3.3.
- CLEANOUT REQUIRED ABOVE FLOOR LEVEL OF LOWEST FLOOR OF BUILDING FOR KITCHEN SINK. AND IS TO BE ON THE OUTSIDE WALL.
- MINIMUM 30" X 22" RETURN AIR GRILLE.
- MECHANICAL DRAIN LINES CANNOT CONNECT TO PLUMBING SYSTEM.

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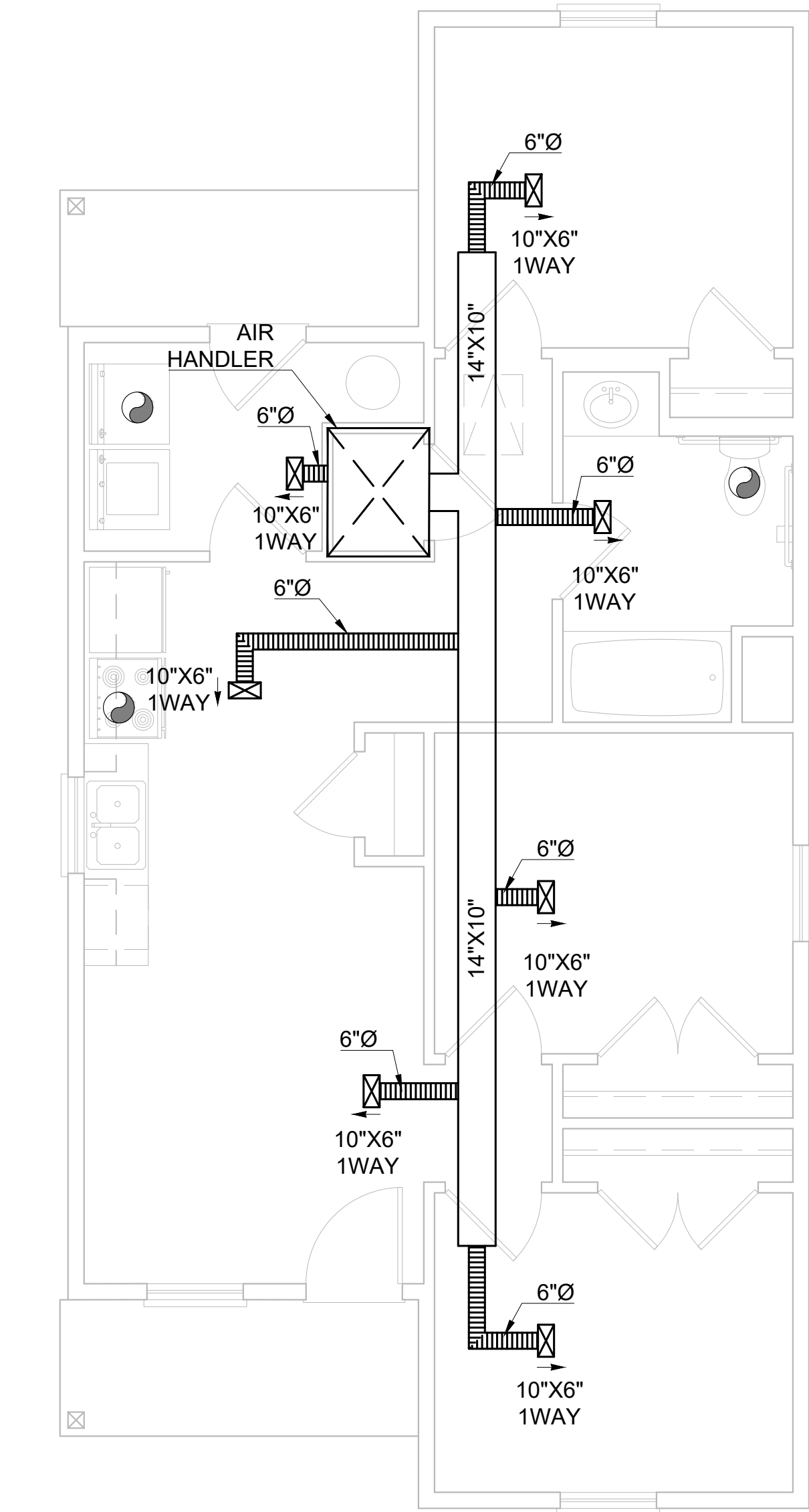
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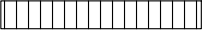
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HUBBLE
PLUMBING PLAN
(STANDARD)

DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-4.00



01 HVAC PLAN (STANDARD)
ALL OPTIONS

LEGEND	
	EXHAUST FAN
	SUPPLY AIR REGISTER
	FLEX DUCT (R-8 MIN.)
	RECTANGULAR DUCT (R-8 MIN.)

NOTES	
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3.	ALL HOSE CONNECTIONS SHALL BE EQUIPPED WITH NON-REMOVABLE BACK FLOW PREVENTERS PER IRC 603.3.3.
4.	CLEANOUT REQUIRED ABOVE FLOOR LEVEL OF LOWEST FLOOR OF BUILDING FOR KITCHEN SINK. AND IS TO BE ON THE OUTSIDE WALL.
5.	MINIMUM 30" X 22" RETURN AIR GRILLE.
6.	MECHANICAL DRAIN LINES CANNOT CONNECT TO PLUMBING SYSTEM.

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ENGINEERING AND INSPECTIONS, LLC
phone: 409-354-6825 email: info@cobalt-engineering.com

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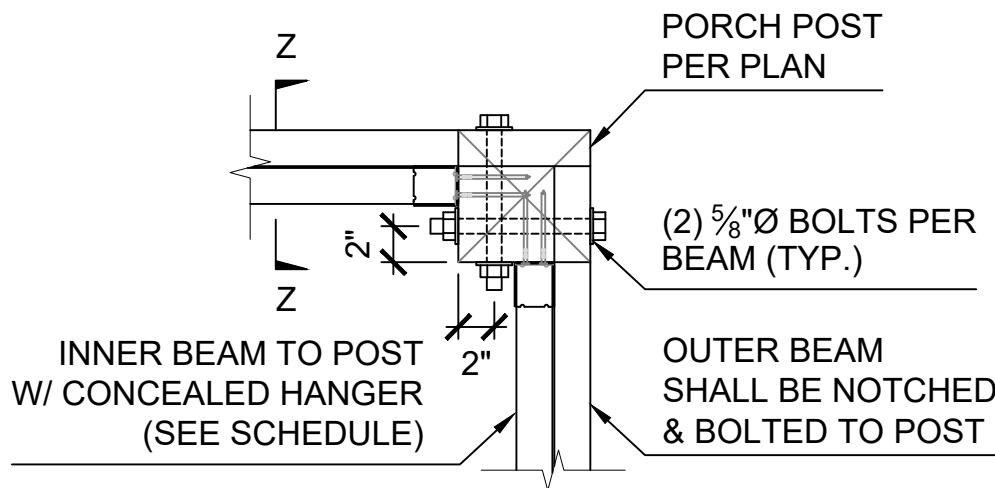
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HUBBLE
HVAC PLAN
(STANDARD)

DRAWN BY:	DAS	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG-	A-5.00

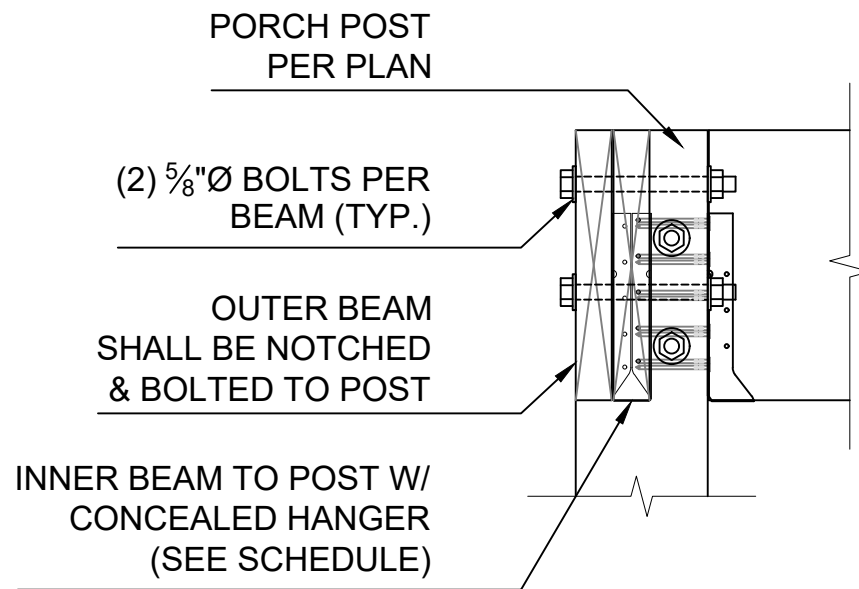
R401.1 GEOTECHNICAL EVALUATIONS - In lieu of a complete geotechnical evaluation, the load-bearing values in table R401.4.1 shall be assumed.

R401.4.1	
CLASS OF MATERIAL	LOAD BEARING PRESSURE (POUNDS PER SQ. FT.)
CLAY, SANDY CLAY, SILTY CLAY, CAYEY SILT, SILT AND SANDY SILT (CL, ML, MH, & CH)	1500



CORNER PORCH POST DETAIL

N.T.S.



SECTION Z-Z

N.T.S.

HANGER SCHEDULE		
MARK	MEMBER SIZE	MODEL NUMBER
①	2X6	LUS26 OR LUC26Z CONCEALED
②	(2) 2X6	LUS26-2 OR HUC26-2 CONCEALED
③	2X8	LUS28 OR LUC28Z CONCEALED
④	(2) 2X8	LUS28-2 OR HUC28-2 CONCEALED
⑤	2X10	LUS210 OR LUC210Z CONCEALED
⑥	(2) 2X10	HUS210-2 OR HUC210-2 CONCEALED
⑦	2X12	HUS210 OR LUC210Z CONCEALED
SOME MODELS MAY NOT BE USED (SEE FRAMING PLAN FOR LOCATION)		

LEGEND

- DETAIL
--- PAGE #
- FULL HEIGHT BLOCKING
- TYPICAL STRONG BACK SEE DETL. #3 ON DWG. SD-2.00
- PONY WALL EXTENDED TO ROOF DIAPHRAGM
- XXXXXX 3000Fb ANTHONY POWER BEAM (SEE PLAN FOR SIZE)

NOTES

- FOUNDATION:
1. WALLS SHOWN FOR CLARITY ONLY.
- CONCRETE HOLD-DOWNS:
1. SEE DRAWING S-2.00 FOR TYPE OF HOLD-DOWN REQUIRED.
2. SEE DRAWING F-1.00 FOR HOLD-DOWN INSTALLATION DETAIL. (REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQ'S.)
- STUD PACK FRAMING:
1. (4) 2X STUD PACK UNDER EACH END OF 2X SOLID SAWN BEAM.
2. (6) 2X STUD PACK UNDER EACH END OF GLULAM BEAM. (SEE PLAN FOR BEAM SIZE)
- HEADER FRAMING:
1. REFER TO DETAIL 1 ON SD-1.00 FOR ALL HEADER REQUIREMENTS. (U.N.O.)
2. POCKET DOOR HEADERS SHALL SPAN THE OPENING & THE DOOR CAVITY (TYPICAL)
- CEILING FRAMING:
1. ALL CEILING JOISTS SHALL BE 2X6 16" O.C. (U.N.O.)
2. ATTIC ACCESS SHALL BE NO LESS THAN 350LB CAPACITY FOLDING STAIR SYSTEM.
- FRAMING:
1. ALL STUDS, FLOOR JOISTS, RAFTERS, TRUSS, ETC. SHALL VERTICALLY ALIGN AND BEAR DIRECTLY ON EACH OTHER.

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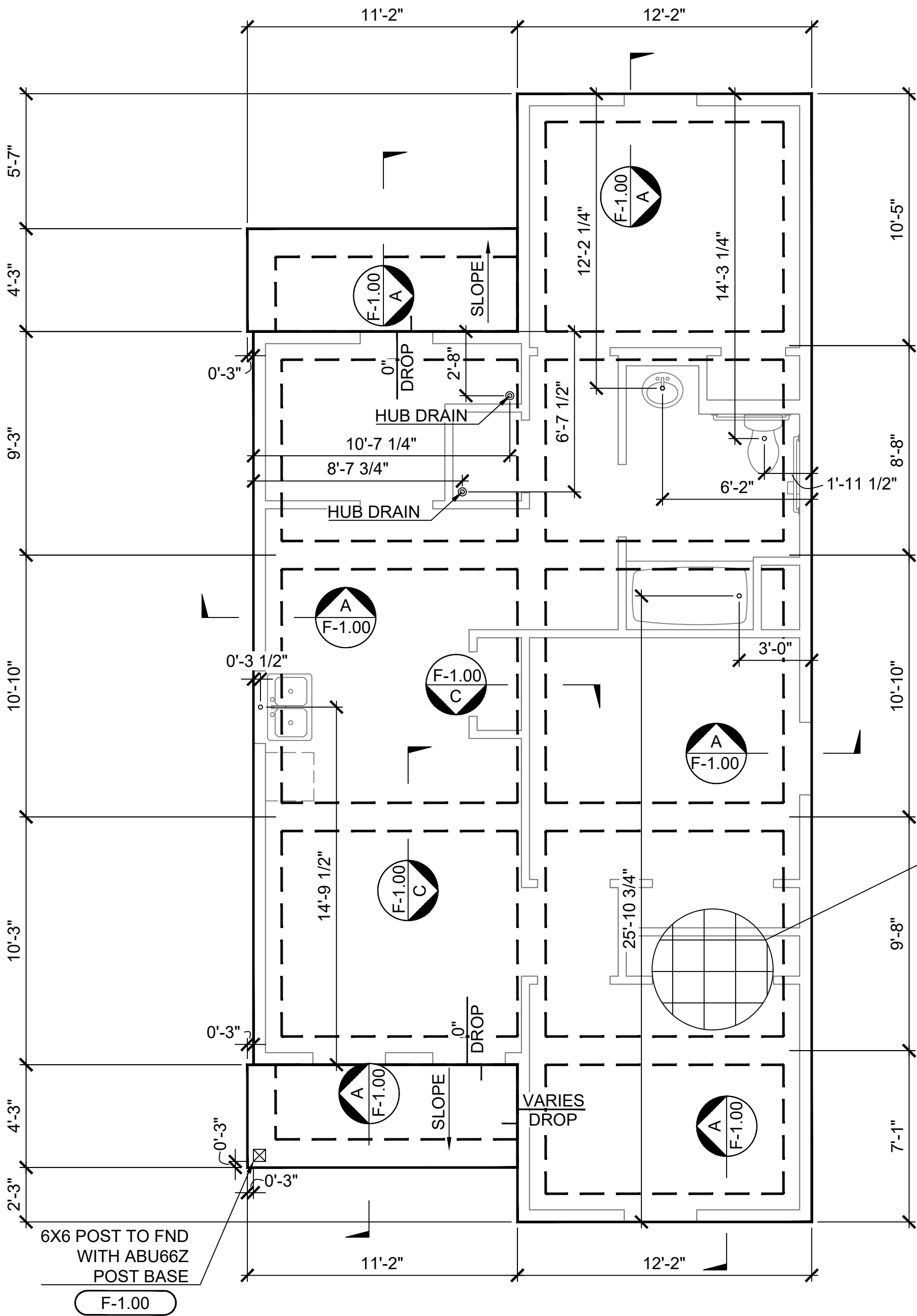
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HUBBLE
FOUNDATION & CEILING JOIST PLANS
ALL OPTIONS (STANDARD)

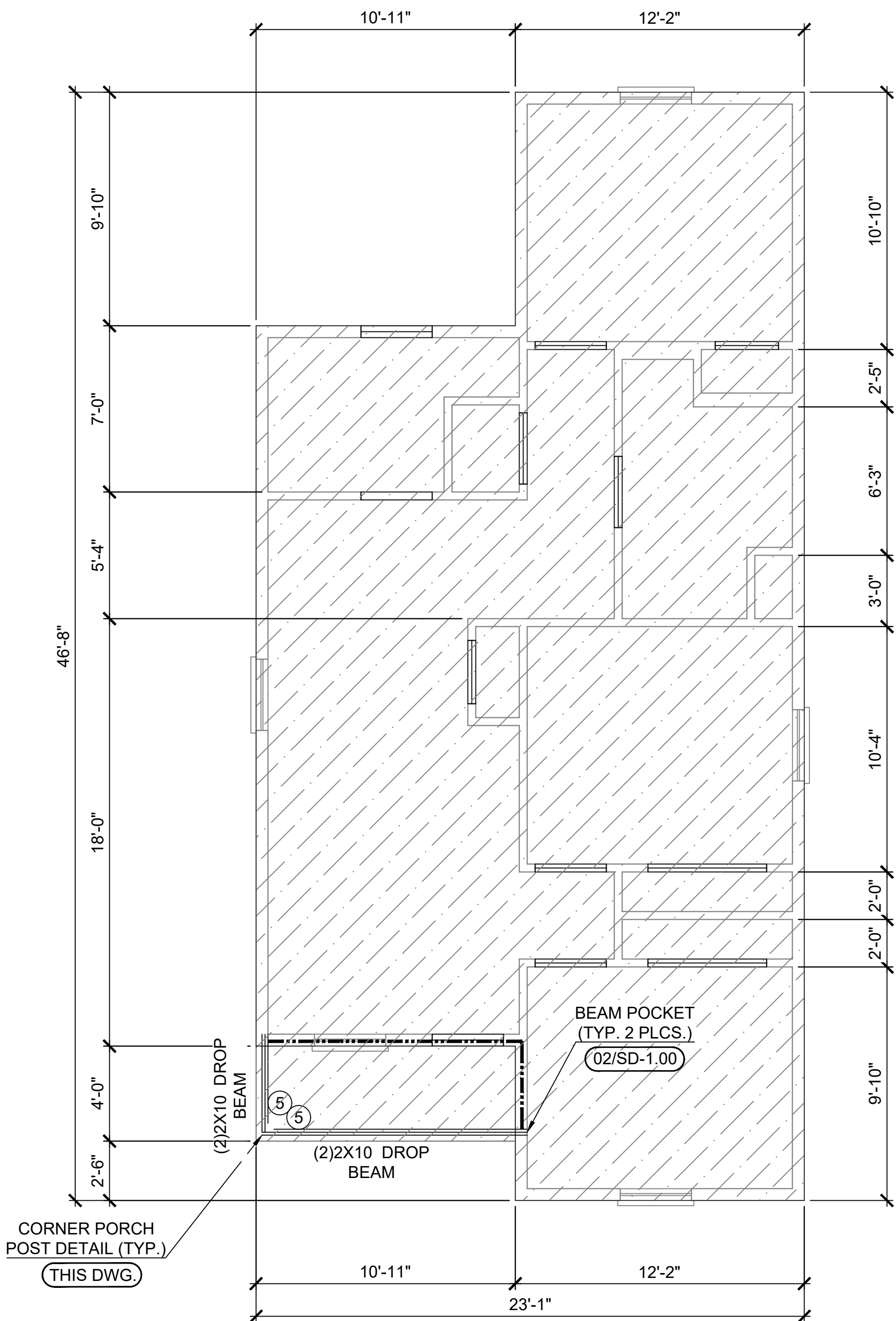
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FOUNDATION PLAN (STANDARD)

01

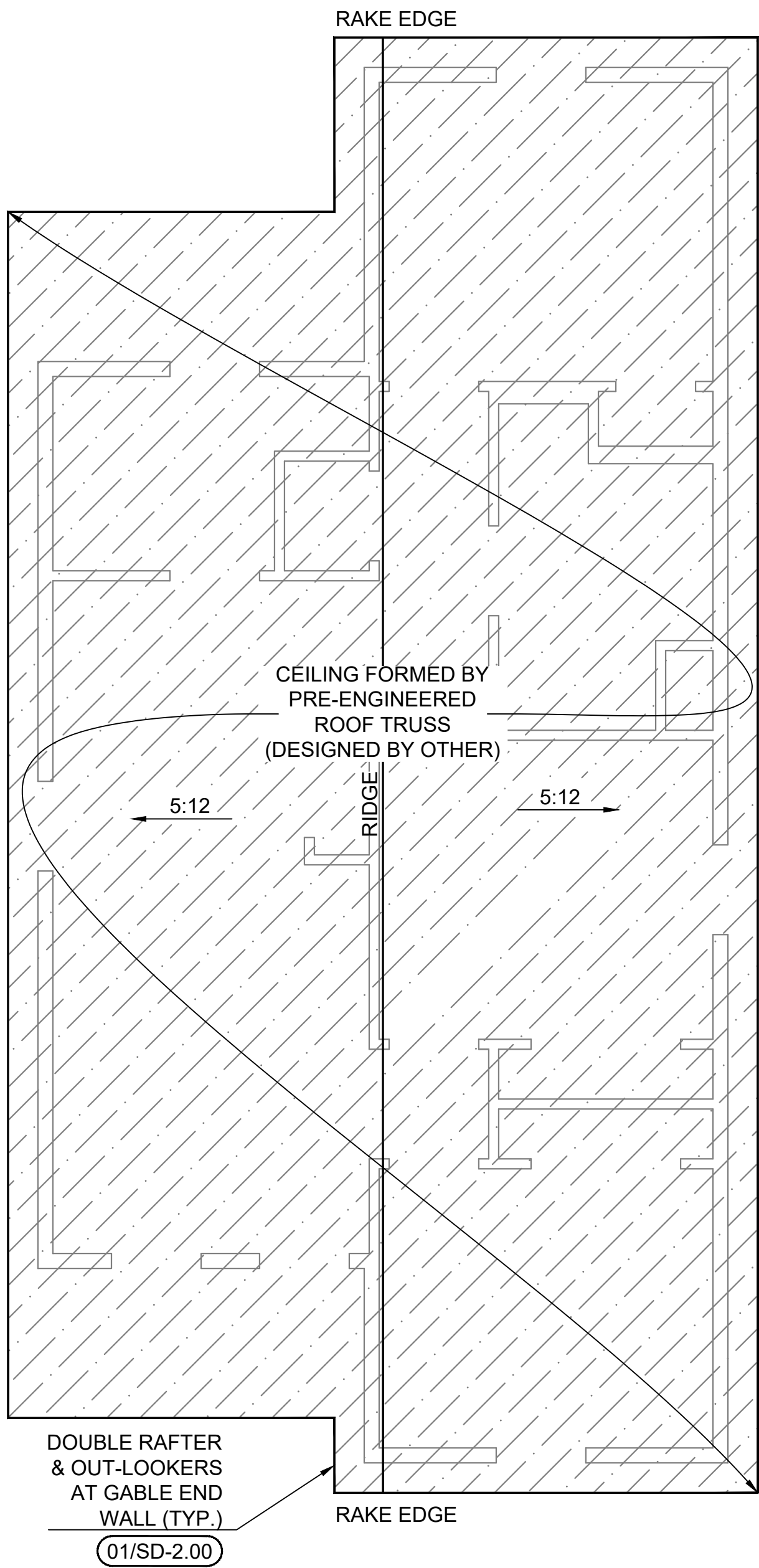
ALL OPTIONS



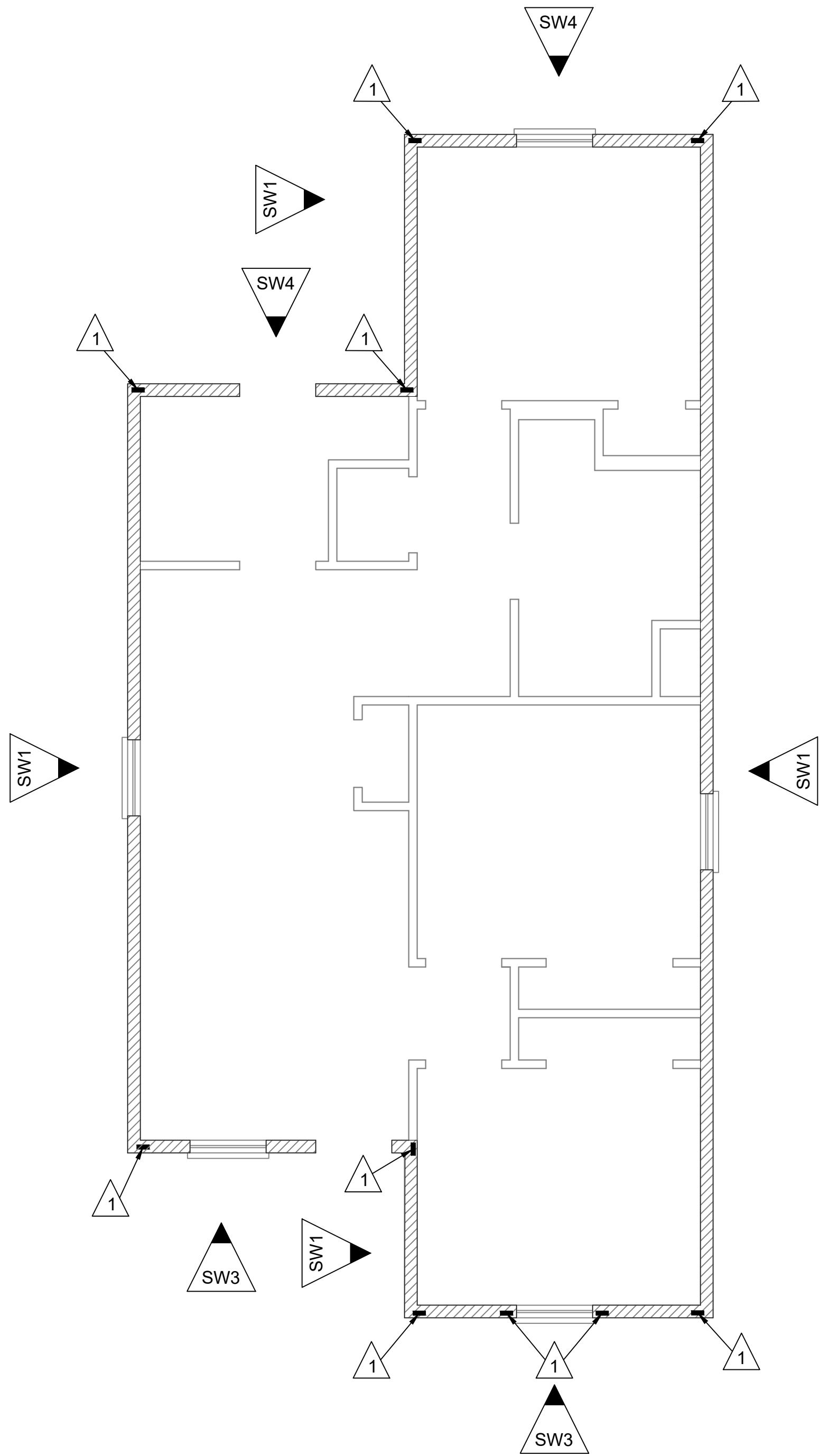
CEILING JOIST PLAN (STANDARD)

02

ALL OPTIONS



03 RAFTER PLAN (STANDARD)



04 SHEARWALL & HOLD-DOWN PLAN (STANDARD)

LEGEND

- BRACE POINT
- BW - BRACE TO WALL
- BS - BRACE TO STRONGBACK
- BB - BRACE TO BEAM

SHEAR WALLS:

ALL SHEARWALLS SHALL EXTEND TO ROOF DIAPHRAGM OR NEXT FLOOR DIAPHRAGM.

- SW1 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 6" PERIMETER AND W/6" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS
- SW3 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 3" PERIMETER AND W/3" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS
- SW4 15/32" APA RATED PLYWOOD OR 7/16" APA RATED OSB SHEATHING 4" PERIMETER AND W/4" EDGE / 6" FIELD NAIL PATTERN USING 0.113 x 2-3/8" RING SHANK NAILS

- HOLD-DOWNS:
- 1 STHD14 W/ (30) 16D SINKER NAILS IN STUD PACK PER MANUFACTURERS INSTRUCTIONS OR HDU5-SDS2.5 USE (14) 1/4"x2 1/2"SDS SCREWS PER MANUFACTURERS INSTRUCTIONS
- 2 HDU8-SDS2.5 USE (20) 1/4"x2 1/2"SDS SCREWS PER MANUFACTURERS INSTRUCTIONS

NOTES

- ROOF FRAMING:
1. ROOF DECKING: 1 1/2" APA RATED PLYWOOD OR 7/16" APA RATED OSB, 0.113 x 2-3/8" RING SHANK NAILS, 4" AROUND PERIMETER OF DIAPHRAGM. 4" EDGE & 4" FIELD NAIL PATTERN.
 2. RIDGES TO BE 2x10 (UNO)
 3. ALL HIPs TO BE 2x8 (UNO)
 4. ALL RAFTERS TO BE 2x6 16"O.C. (UNO)
 5. RAFTER TAILS SHALL BE A CONTINUOUS MEMBER EXTENDING FROM RAFTER (NO SPLICE)
 6. ALL SHINGLES SHALL BE 30 YEAR W/ ASTM D7158 CLASS H WITH 6 NAIL PER SHINGLE.

- FRAMING:
1. ALL STUDS, FLOOR JOISTS, RAFTERS, TRUSS, ETC. SHALL VERTICALLY ALIGN AND BEAR DIRECTLY ON EACH OTHER.

Revisions:		
#	DATE	DESCRIPTION OF CHANGE
0	XX/XX/2023	ISSUED FOR CONSTRUCTION

ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR UTILIZED IN ANY FORM WITHOUT PRIOR WRITTEN AUTHORIZATION OF "COBALT".

THIS DRAWING IS A CONCEPTUAL PLAN AND IS NOT INTENDED TO BE USED AS A SITE SPECIFIC PLAN NOR SHALL IT BE USED FOR PERMITTING PURPOSES. SITE SPECIFICS SHALL BE PREPARED ON A CASE-BY-CASE BASIS AND ANY USE BEYOND THE AFOREMENTIONED INTENT IS PROHIBITED.

NOTE: SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES



CLIENT:

CLIENT

PROJECT LOCATION OR ADDRESS:
ADDRESS
XXXXXXXX,TX 77XXX

HUBBLE
RAFTER & SHEARWALL PLAN
(STANDARD)

DRAWN BY:	AW	CHECKED BY:	CCH
PROJECT #:	XX-XXXX-XX	SCALE:	1/4"=1'-0"
DATE:	XX/XX/2023	XX-XXXX-HRAP-ASH-SOG- S-2.00	