

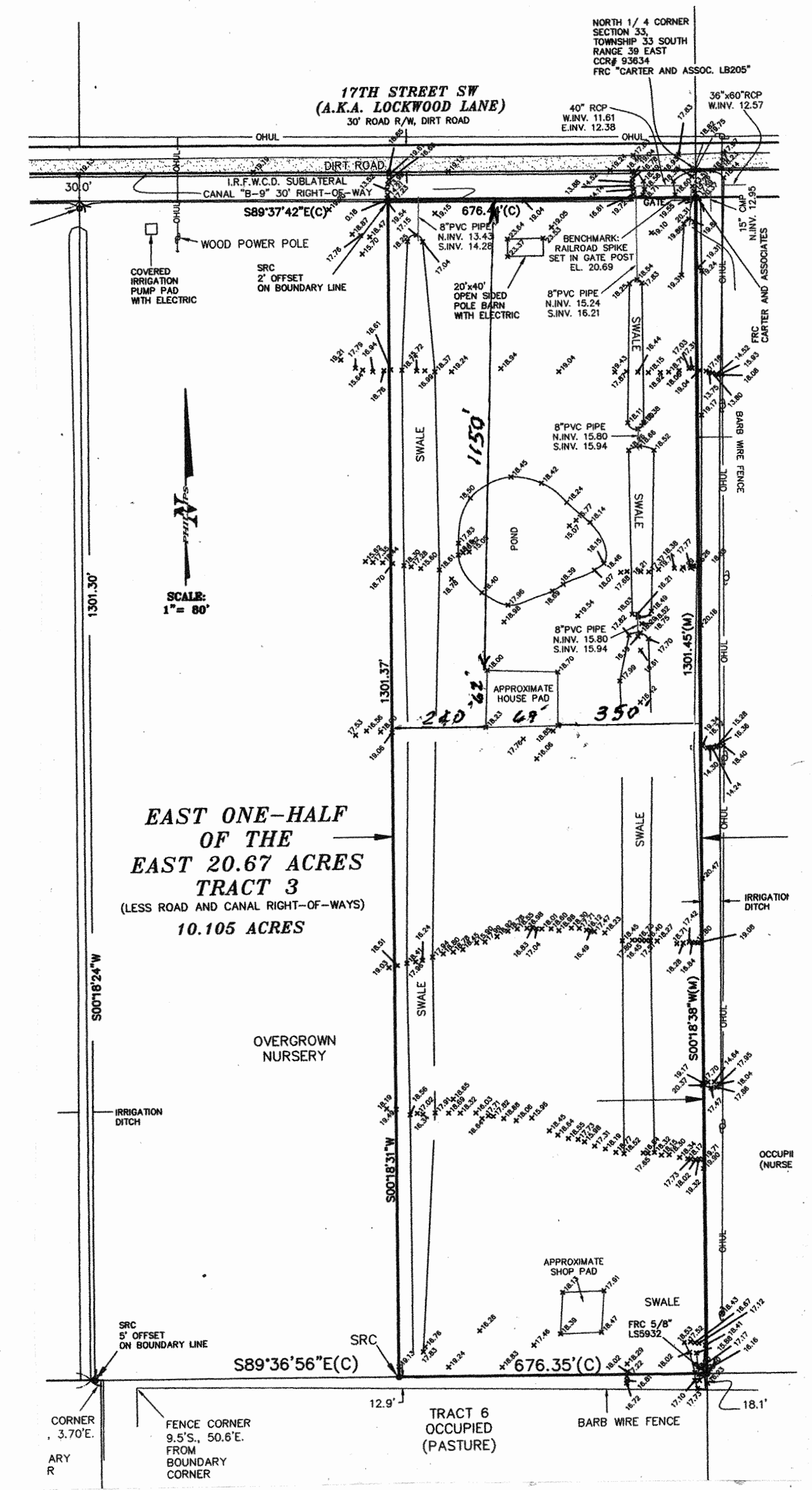
AREA CALCULATIONS:

A/C AREA (1 st FLOOR)	2309 S.F.
(BONUS RM)	513 S.F.
A/C TOTAL	2822 S.F.
GARAGE	624 S.F.
COVERED ENTRY	180 S.F.
COVERED LANAI	97 S.F.
COVERED PATIO	232 S.F.
TOTAL	3955 S.F.

FLOOR PLAN

SCALE 1/4"

NOTE:
WALL & CEILING BETWEEN GARAGE 1 & RESIDENCETO BE 1-HOUR FIRE RATED w/ 20 MIN. DOOR ASSEMBLY INSTALL 5/8" TYPE "X" DRYWALL (1-SIDE)

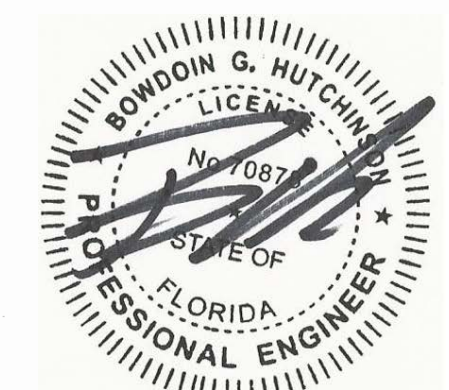


SITE PLAN

Design by:
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BENCHMARK ENGINEERING
OF THE TREASURE COAST

806 DELAWARE AVE.
FT. PIERCE, FL, 34950
(772) 772-287-1399



This item has been electronically signed and sealed by Bowdoin G. Hutchinson, P.E. using a Digital Signature and Date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SEAL	RESIDENCE	SHEET 1 OF 6
BOWDOIN P.E. #70878	JOE & AMANDA GOOCH 5155 17 th STREET SW FT. PIERCE, FLORIDA	

02/20/23

STANDARD MASONRY WINDOW OPENINGS:

NOMINAL SIZES:

- 12 = 20" w x 26" h
- H32 = 27.25" w x 26" h
- 22 = 38" w x 26" h
- 32 = 54" w x 26" h

- 13 = 20" w x 38.5" h
- H33 = 27.25" w x 38.5" h
- 23 = 38" w x 38.5" h
- 33 = 54" w x 38.5" h

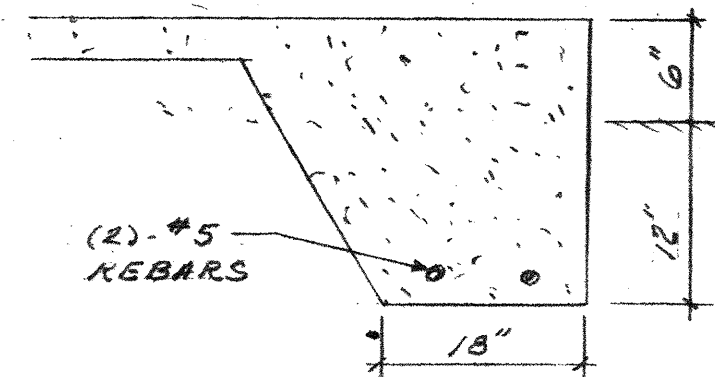
- 14 = 20" w x 50.75" h
- H34 = 27.25" w x 50.75" h
- 24 = 38" w x 50.75" h
- 34 = 54" w x 50.75" h

- 15 = 20" w x 63" h
- H35 = 27.25" w x 63" h
- 25 = 38" w x 63" h
- 35 = 54" w x 63" h

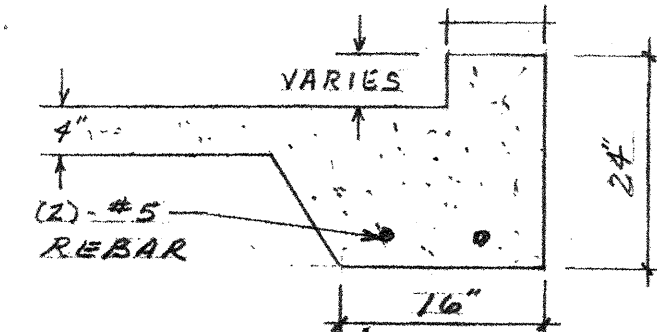
- 16 = 20" w x 76" h
- H36 = 27.25" w x 76" h
- 26 = 38" w x 76" h
- 36 = 54" w x 76" h

TYPICAL COLUMN & FTG

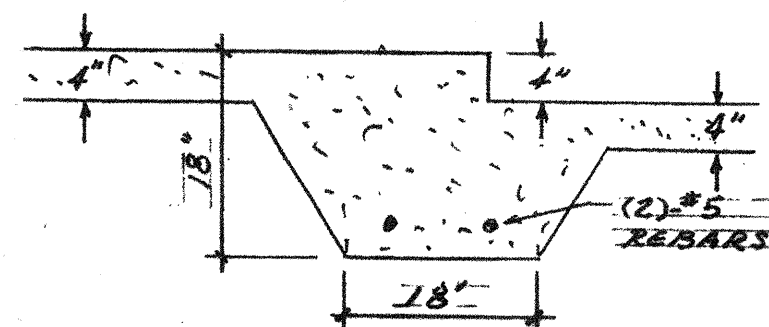
COLUMNS ARE 12"X12" BLOCKS
 W/ (2) - #5 VERT.
 PADS ARE 3' x 3' x 18" DEEP
 W/ (2) LAYERS OF #5 REBARS SPACED @ 6" o.c.



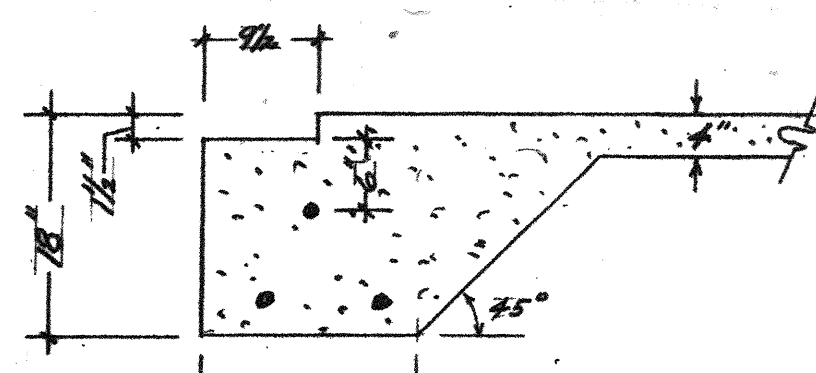
SECTION A-A



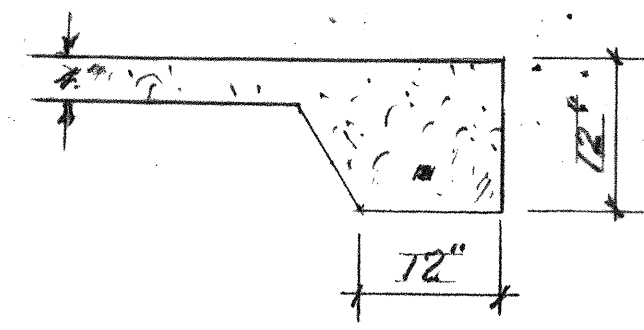
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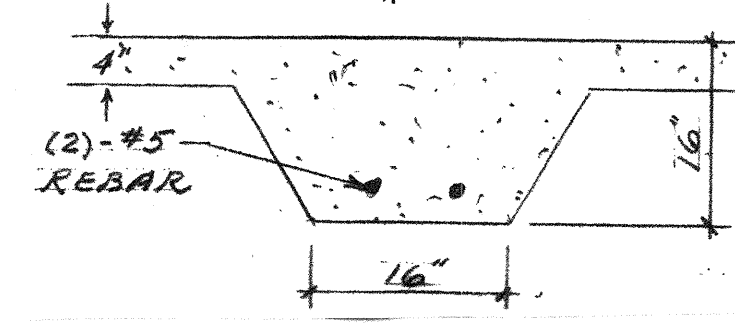
SECTION C-C



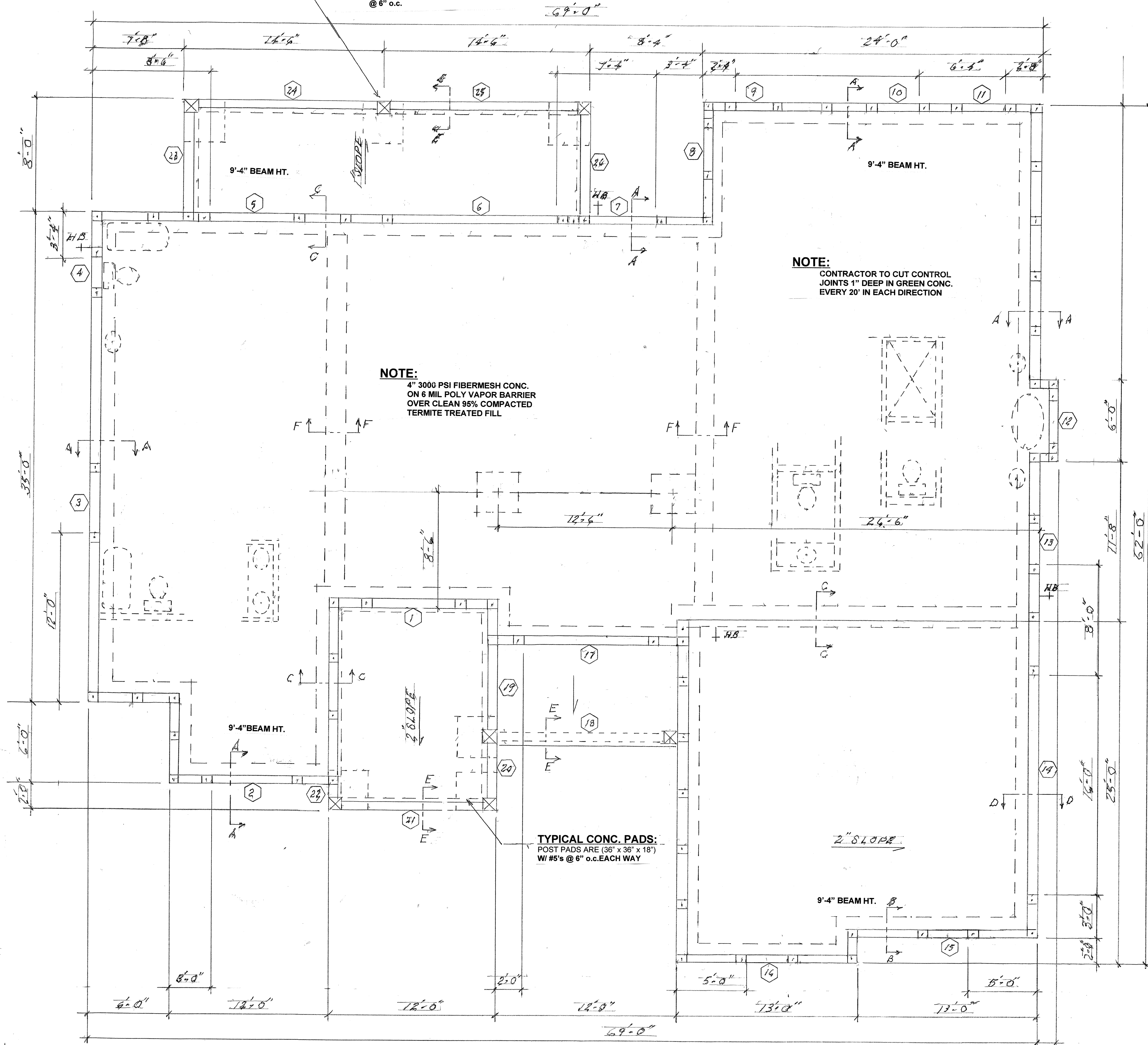
SECTION D-D



SECTION E-E



SECTION F-F



FOUNDATION & BLOCKWORK PLAN

SCALE 1/4"

LINTEL SCHEDULE						
LINTEL NO.	LENGTH	SAFE GRAVITY LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	COMPOSITE BEAM
1	7'-6"	2661		1634		
2	7'-6"	2661		1634		8F16 18/27
3	5'-10"	4360		2693		
4	4'-0"	6113		3079		
5	7'-6"	2661		1634		
6	13'-8"	1078		770		
7	7'-6"	2661		1634		
8	4'-0"	6113		3079		
9	4'-0"	6113		3079		
10	4'-0"	6113		3079		
11	4'-0"	6113		3079		
12	4'-0"	6113		3079		
13	4'-0"	6113		3079		
14	4'-0"	6113		3079		
15	4'-0"	6113		3079		8F24 28/27
16	4'-0"	6113		3079		8F16 18/27
17	17'-8"	1609		993		
18	13'-4"	1078		770		
19	7'-0"	2661		1634		
20	5'-4"	5365		2294		
21	12'-0"	1254		728		
22	2'-10"	6113		4440		
23	9'-4"	1843		1324		
24	14'-8"	1370		655		
25	14'-8"	1370		655		
26	9'-4"	1843		1324		

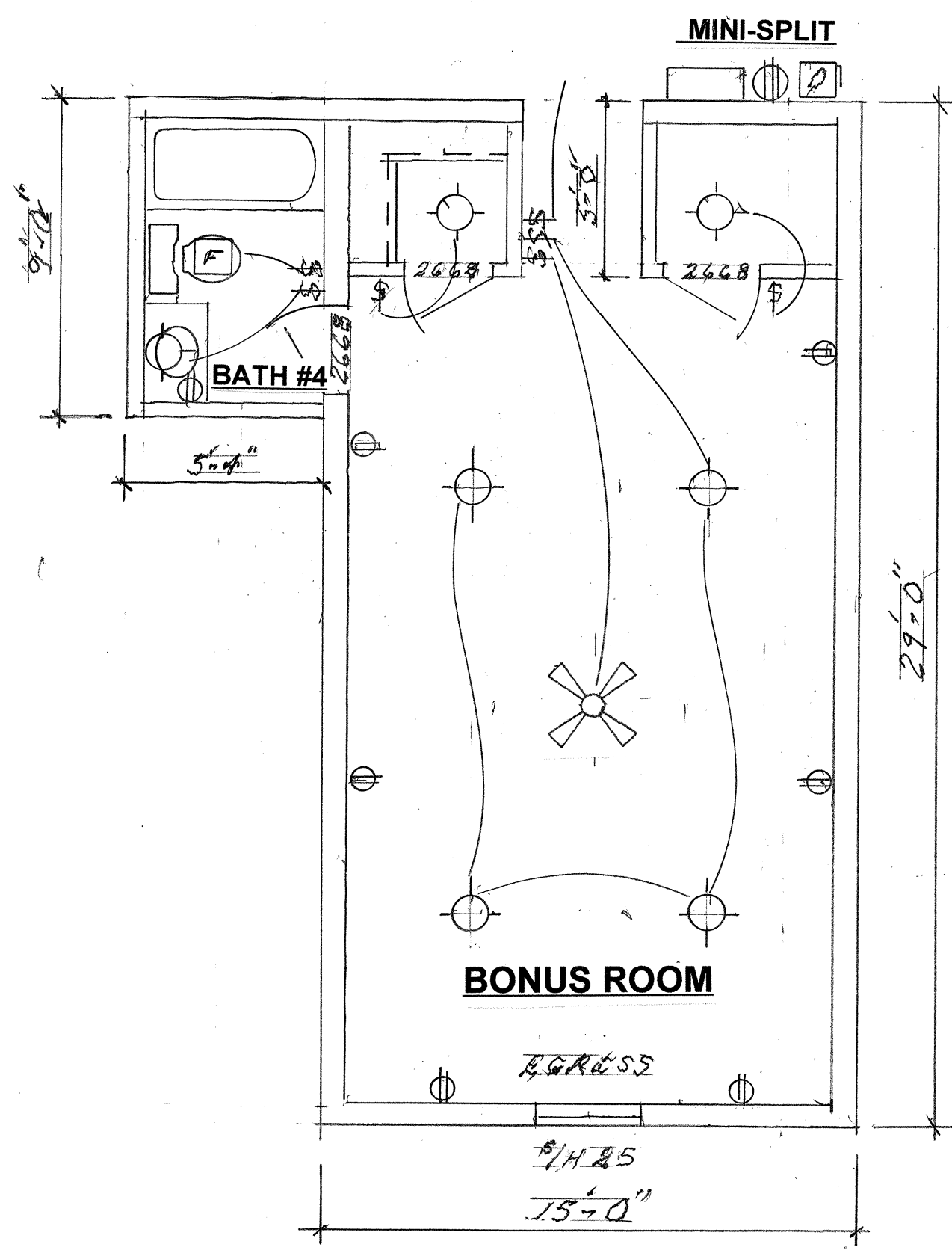
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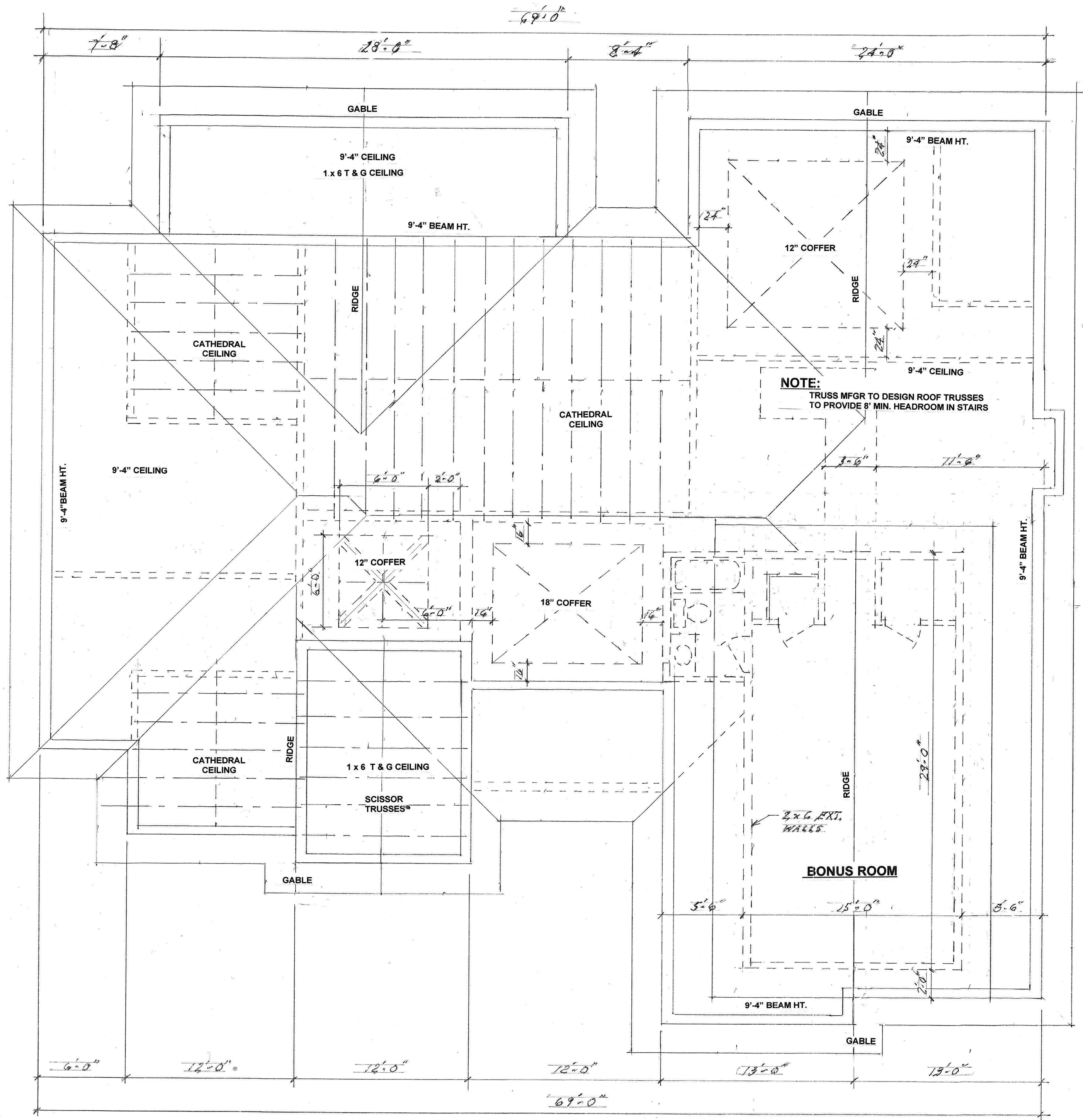
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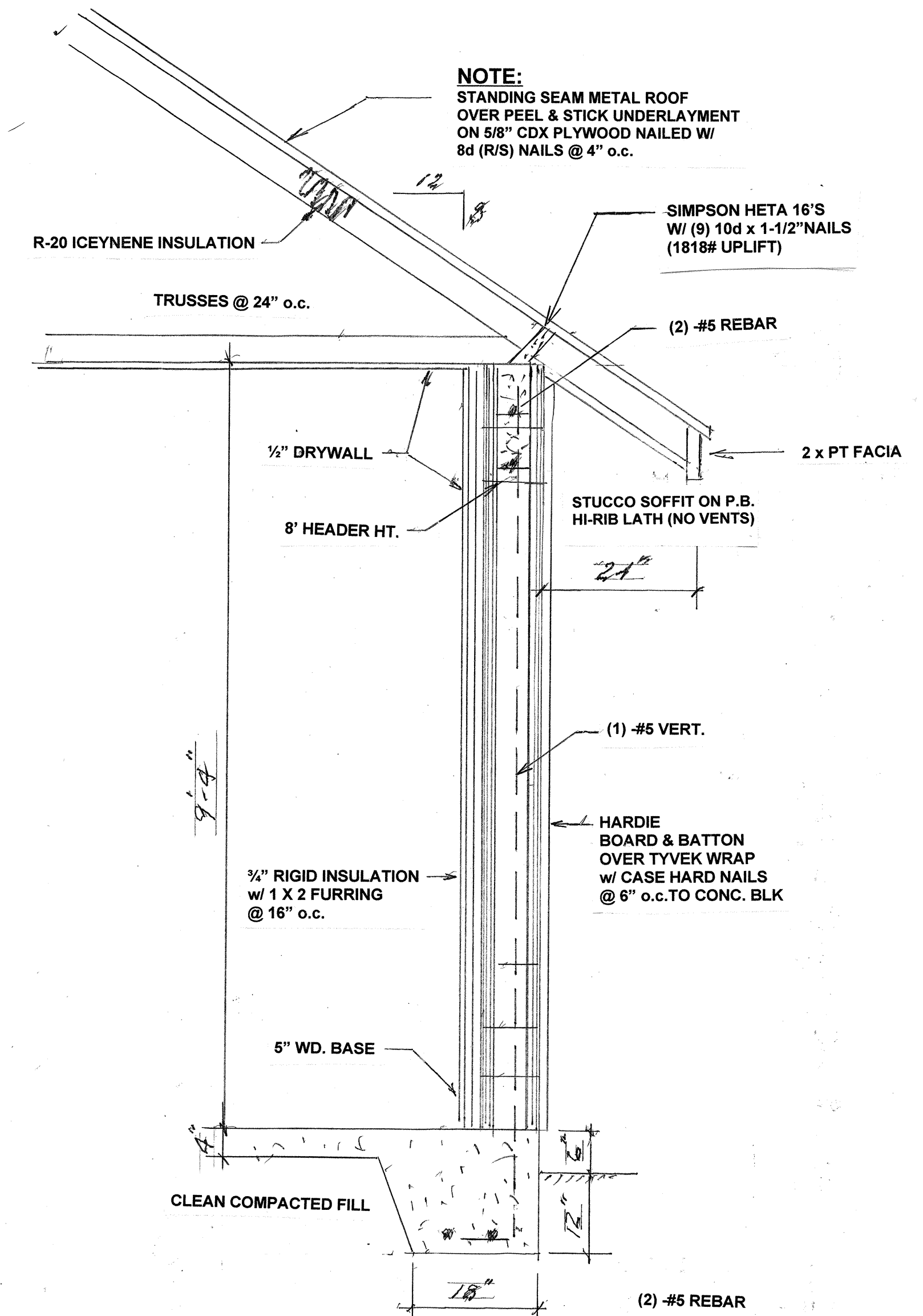
SEAL	RESIDENCE	SHEET
BOWDOIN P.E. #70878	JOE & AMANDA GOOCH 5155 17 TH STREET SW FT. PIERCE, FLORIDA	2 OF 6



UPSTAIRS
FLOOR PLAN
SCALE 1/4"

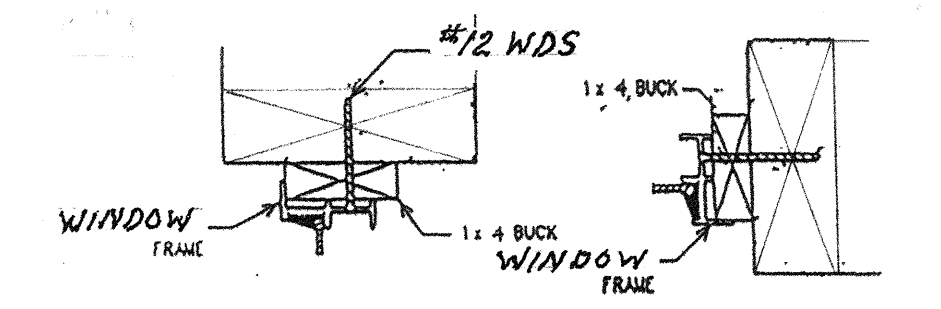


ROOF LAYOUT
SCALE 1/4"



TYPICAL SECTION

SCALE 1/4"



HEAD DETAIL JAMB DETAIL

1 x 4 P.T. WINDOW BUCKS
1 x 6 P.T. DOOR BUCKS

ATTACH BUCKS w/ 8d NAILS @ 8" o.c.

ATTACH WINDOW & DOOR FRAMES
w/ #12 x 3 1/2" WDS (FILL ALL HOLES)

WINDOW & DOOR ATTACHMENT

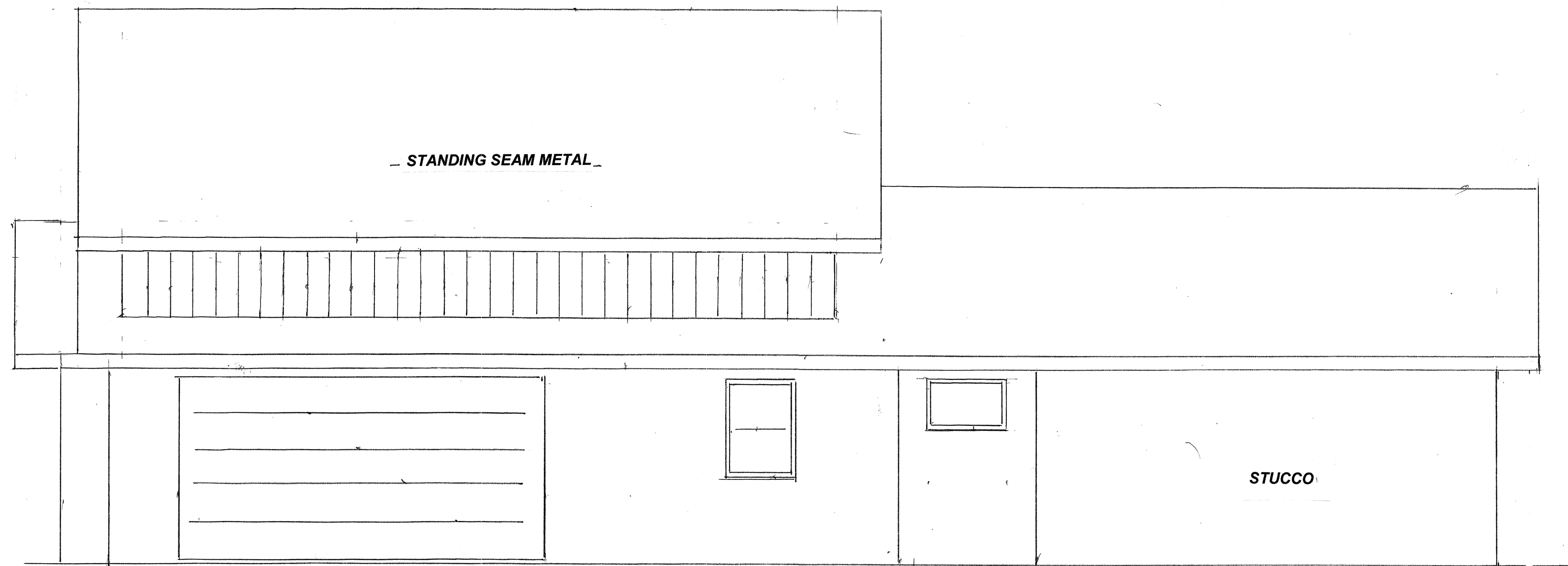
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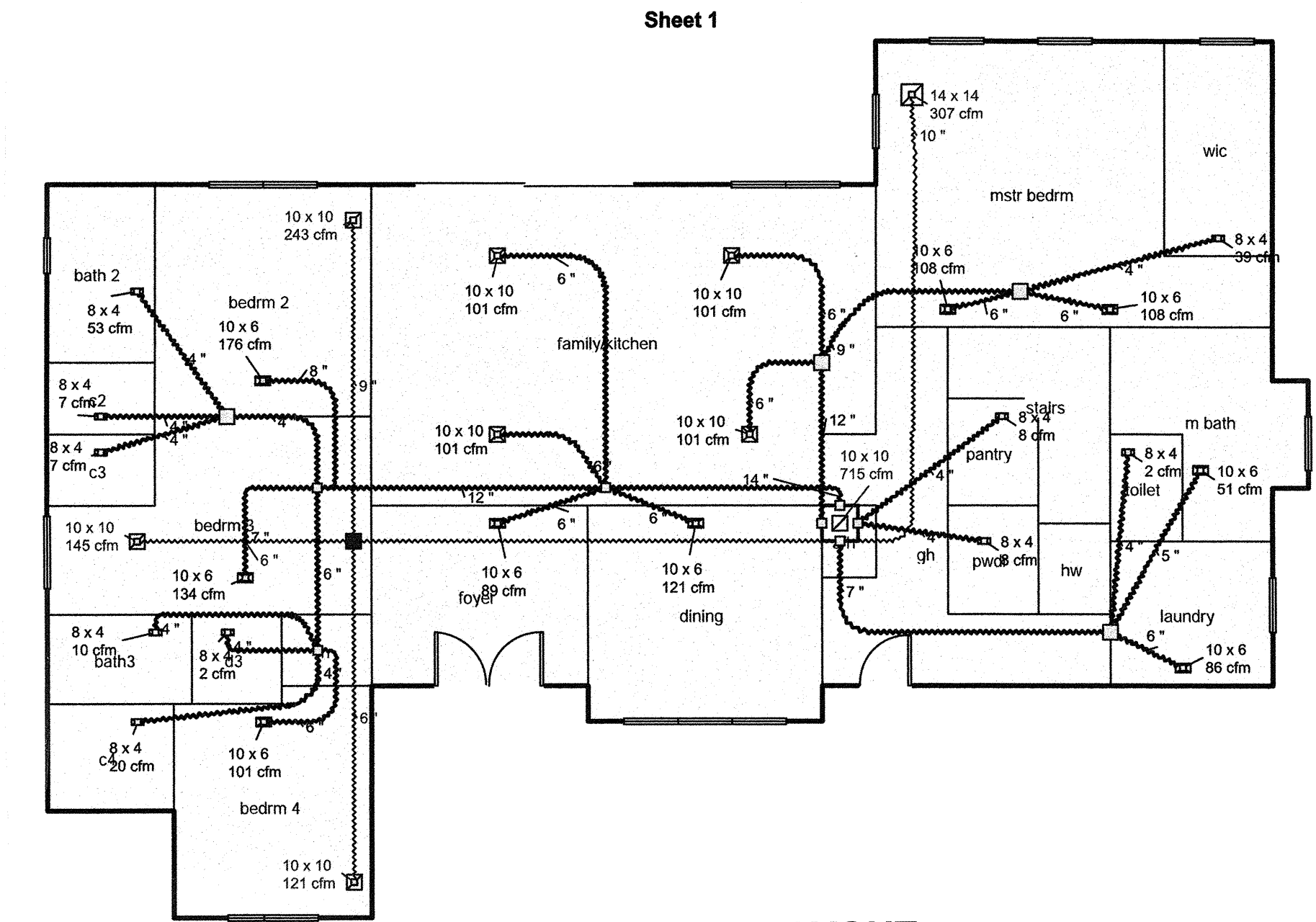
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SEAL	RESIDENCE	SHEET
BOWDOIN P.E. #70878	JOE & AMANDA GOOCH 5155 17 TH STREET SW FT. PIERCE, FLORIDA	3 OF 6

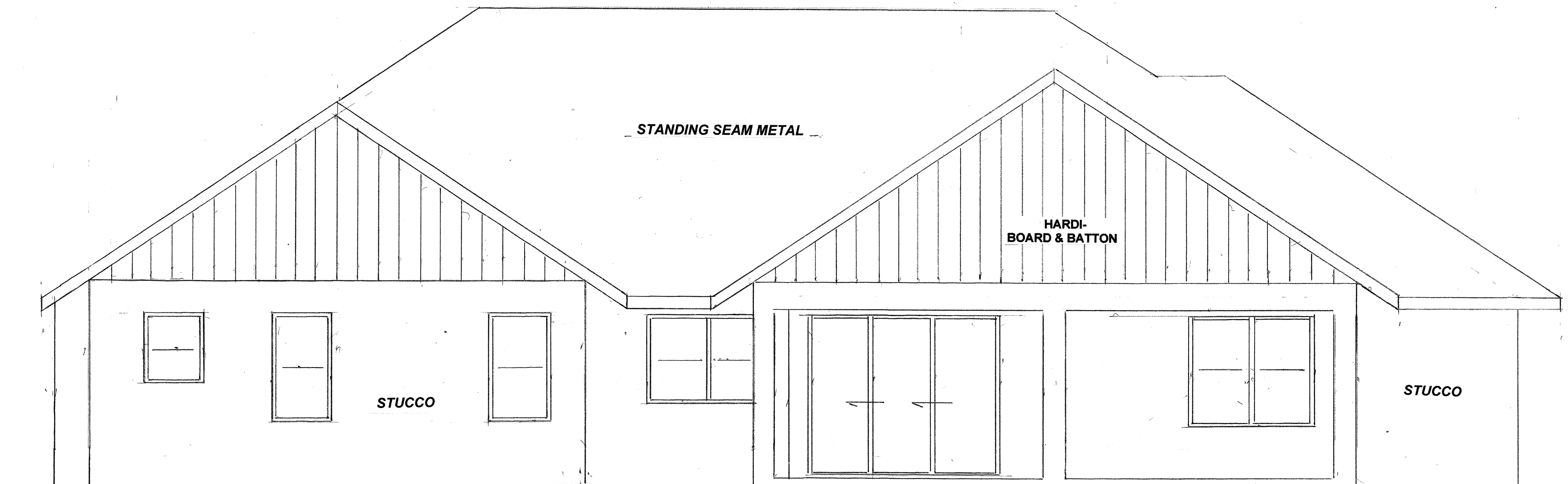
02/20/23



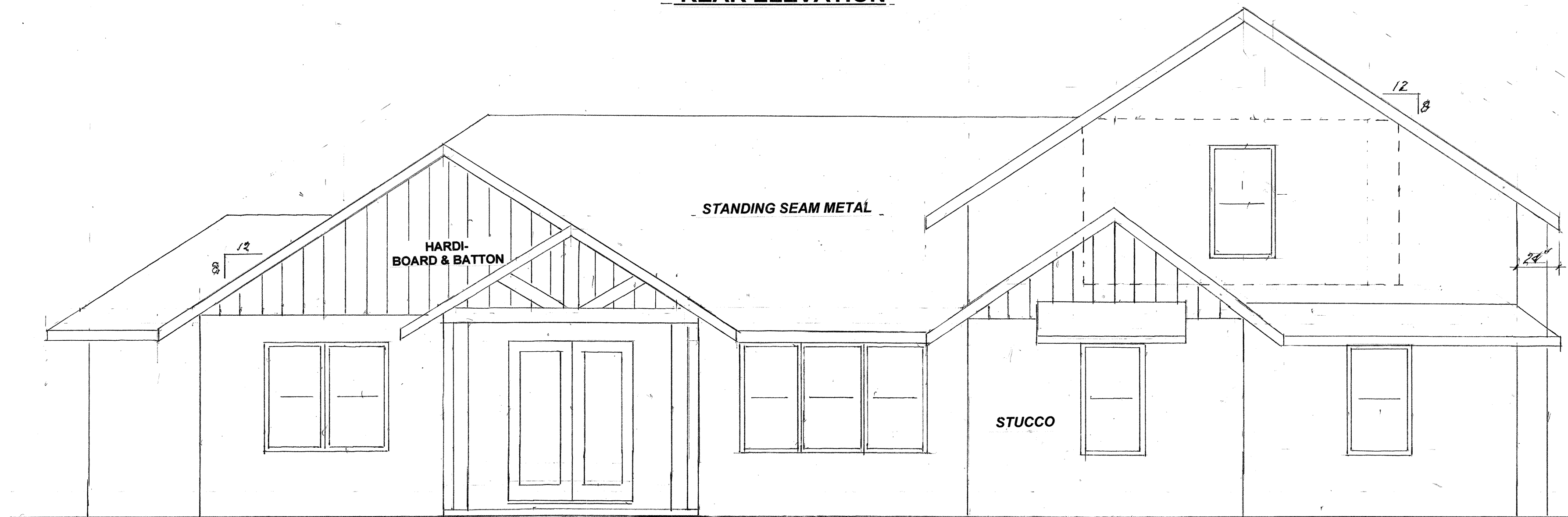
RIGHT ELEVATION
SCALE 1/4"



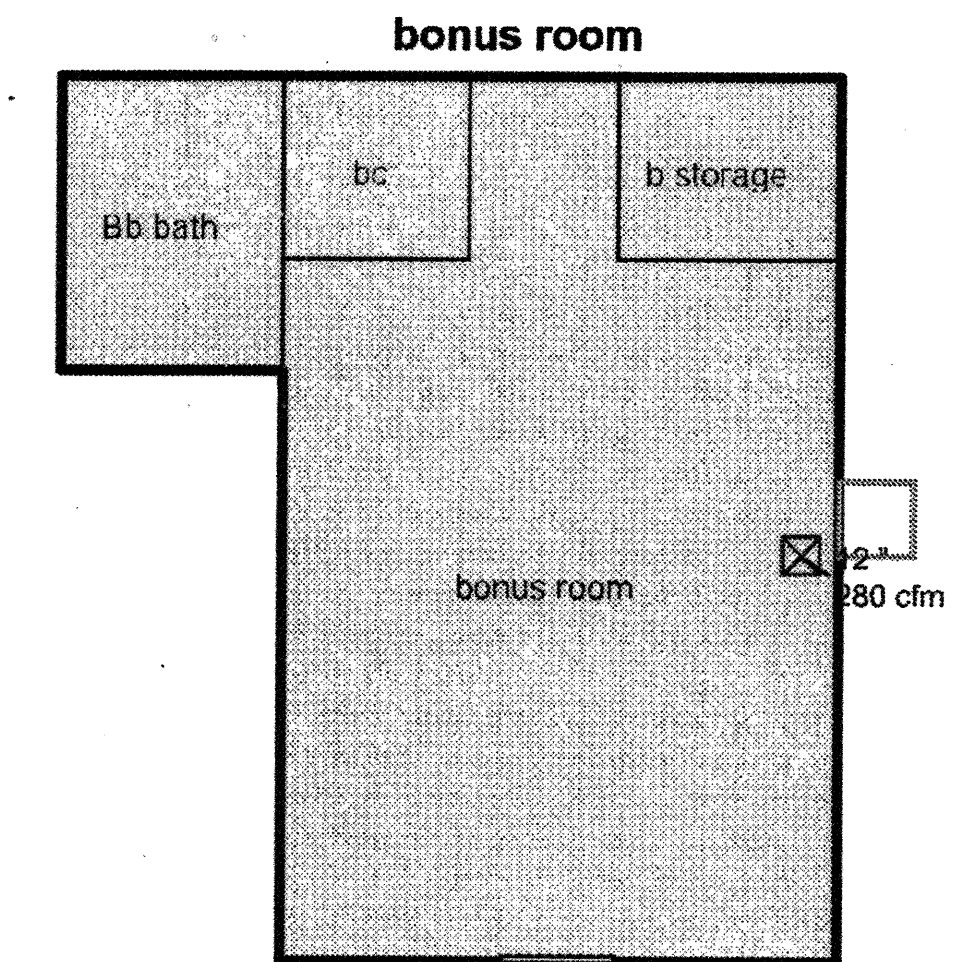
A/C DUCT LAYOUT



REAR ELEVATION



FRONT ELEVATION
SCALE 1/4"



MINI-SPLIT SYSTEM

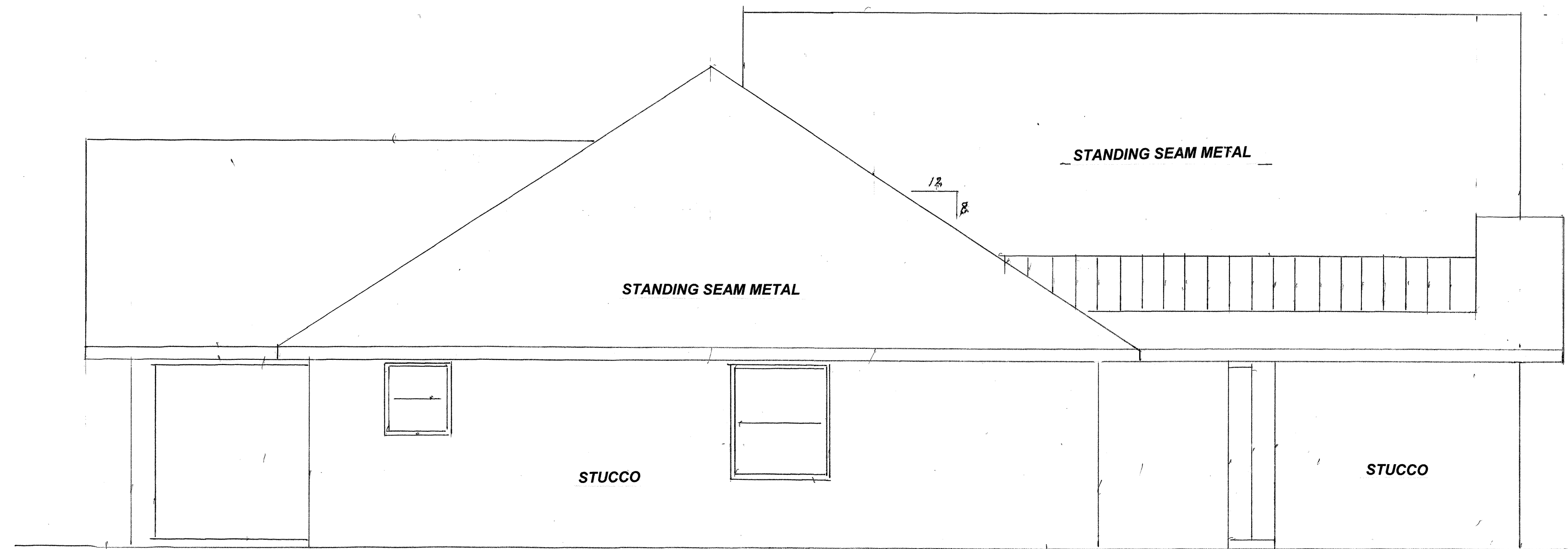
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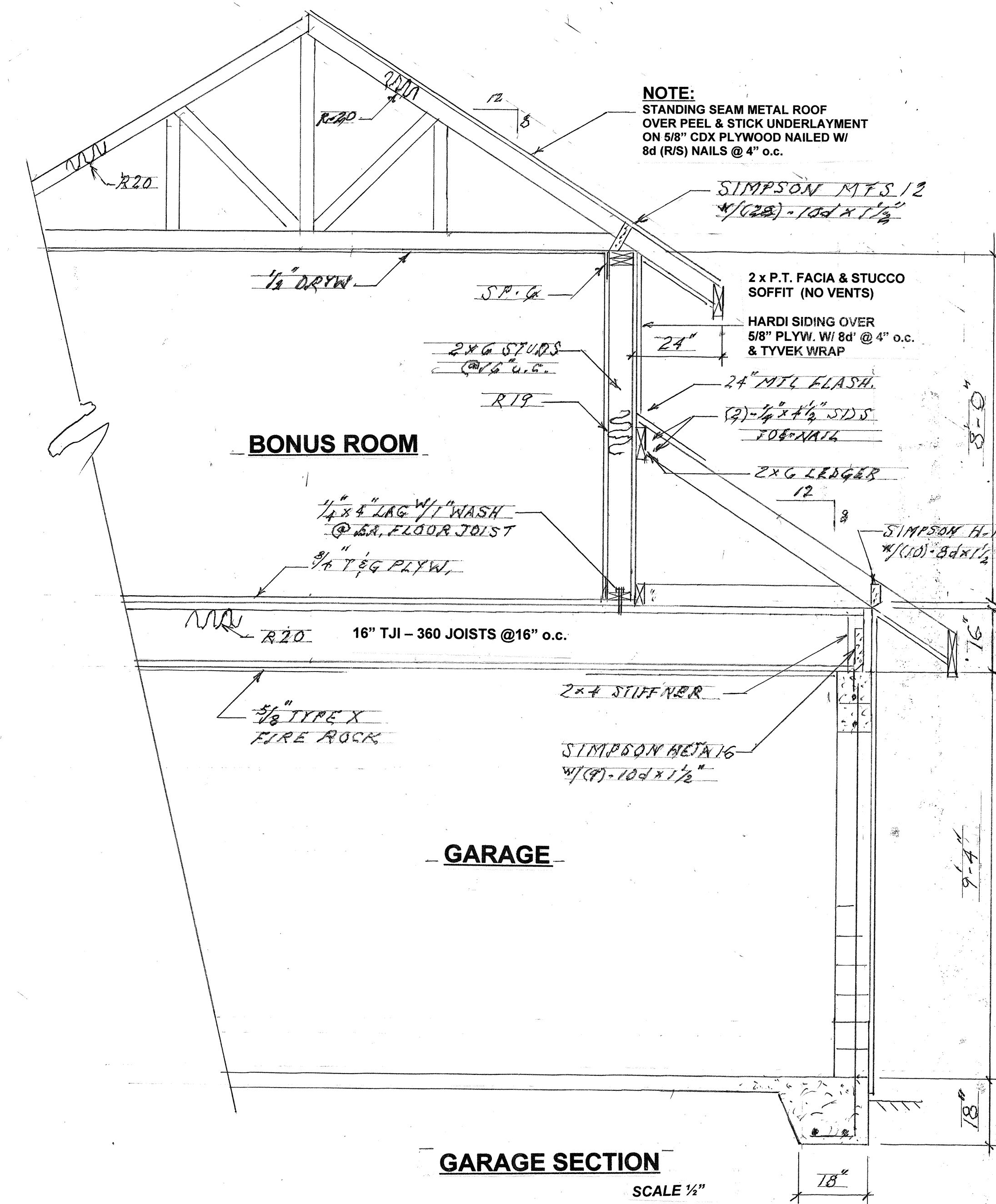
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SEAL	RESIDENCE	SHEET 4 OF 6
BOWDOIN P.E. #70878	JOE & AMANDA GOOCH 5155 17 TH STREET SW FT. PIERCE, FLORIDA	



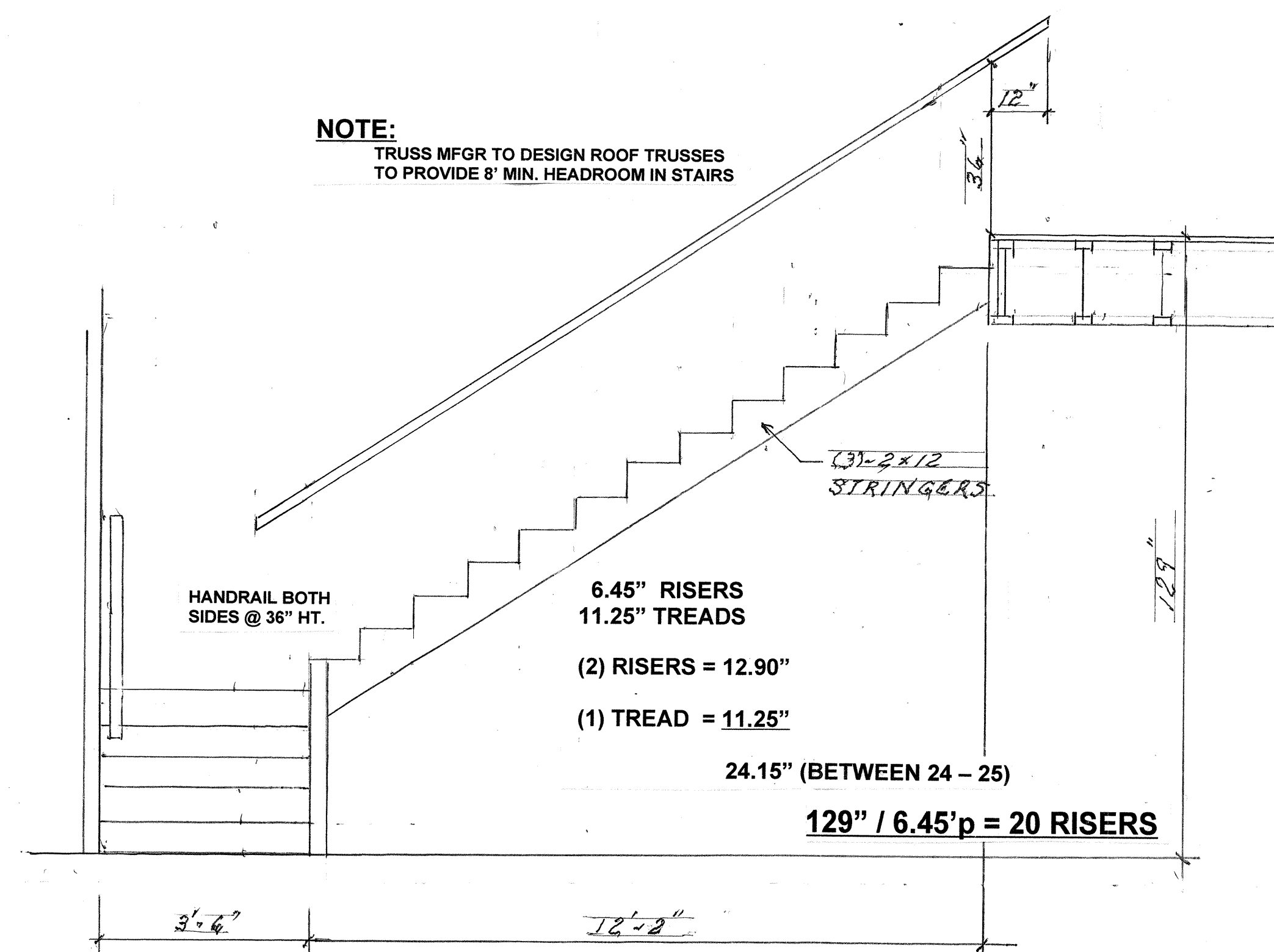
LEFT ELEVATION

SCALE 1/4"



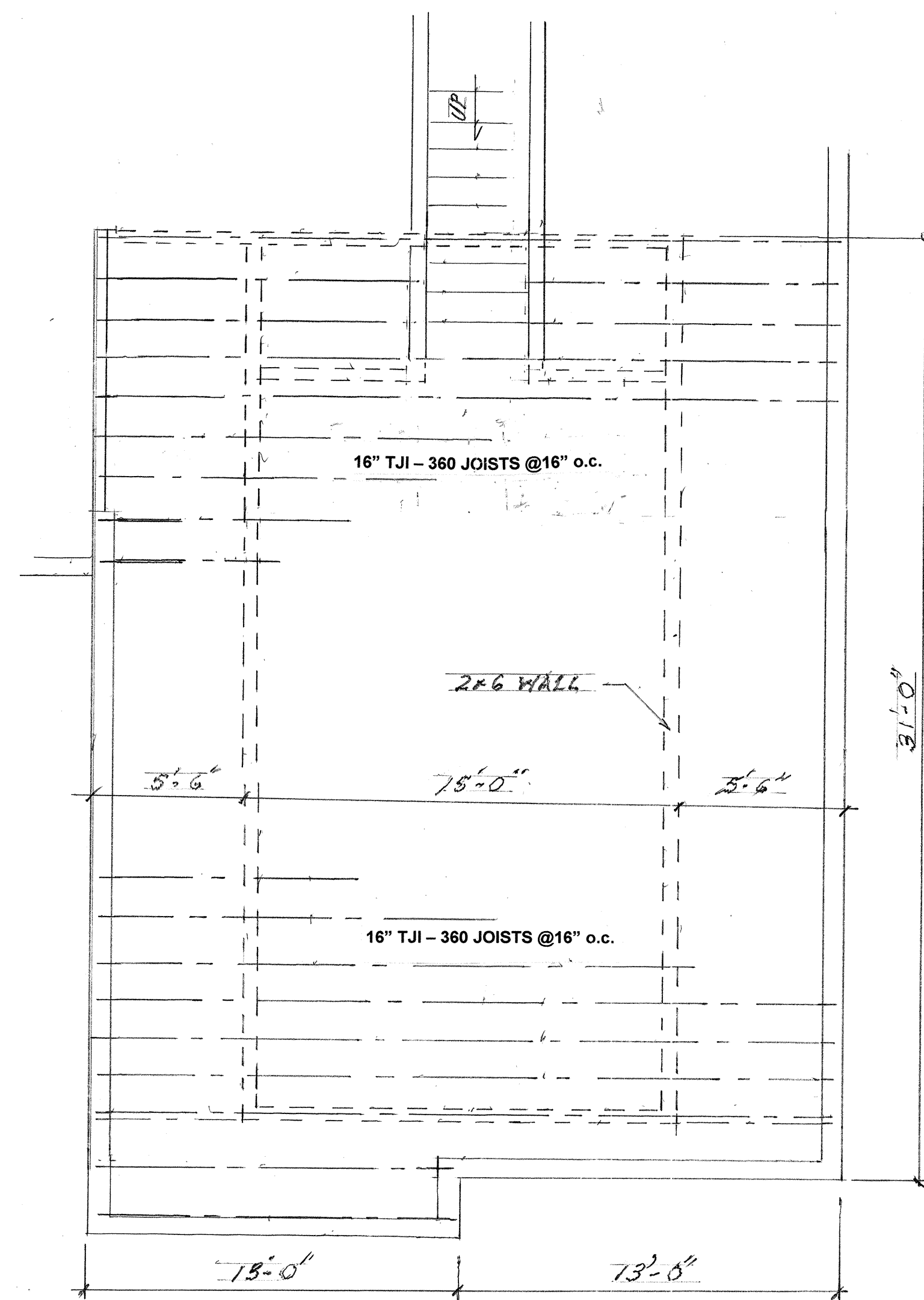
GARAGE SECTION

SCALE 1/4"



STAIR DETAIL

N 7'S



FLOOR JOIST LAYOUT

SCALE 1/4"

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SEAL	RESIDENCE	SHEET
BOWDOIN P.E. #70878	JOE & AMANDA GOOCH 5155 17 TH STREET SW FT. PIERCE, FLORIDA	5 OF 6

