

AREA CALCULATIONS:

A/C AREA (1st FLOOR) 2309 S.F.

GARAGE

COVERED ENTRY

COVERED LANAI

COVERED PATIO

(BONUS RM) <u>513 S.F.</u>

A/C TOTAL 2822 S.F.

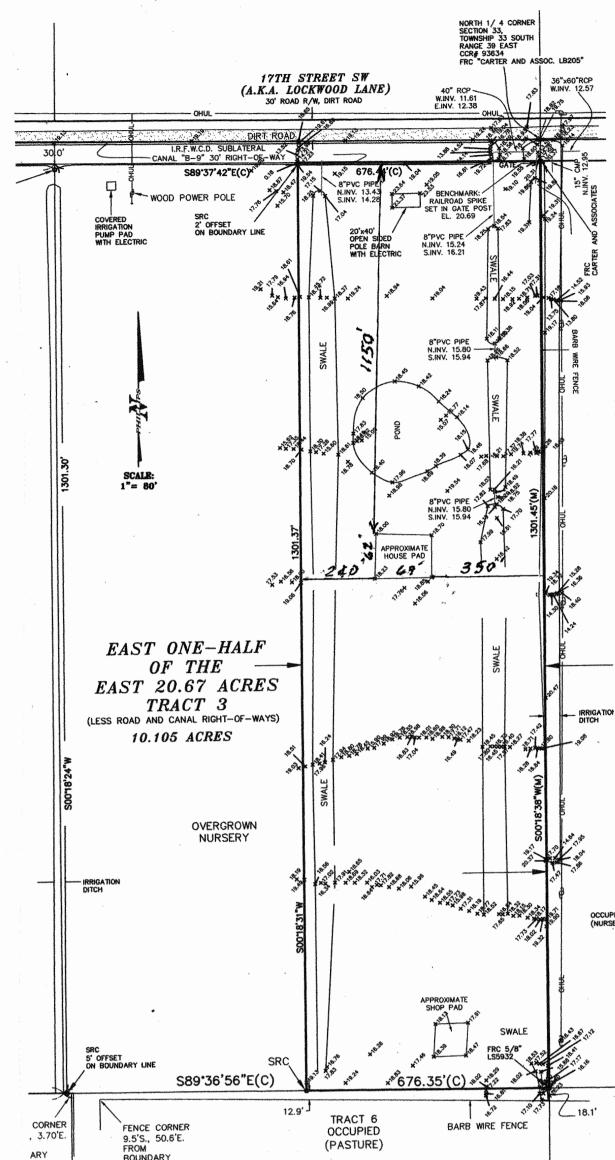
624 S.F.

180 S.F.

97 S.F.

232 S.F.

TOTAL 3955 S.F.



SITE PLAN

Design by:
RICHARD A. JEMISON
3270 HATCHER STREET
Ft. Pierce, Fl. 34981
(772) 215-5623

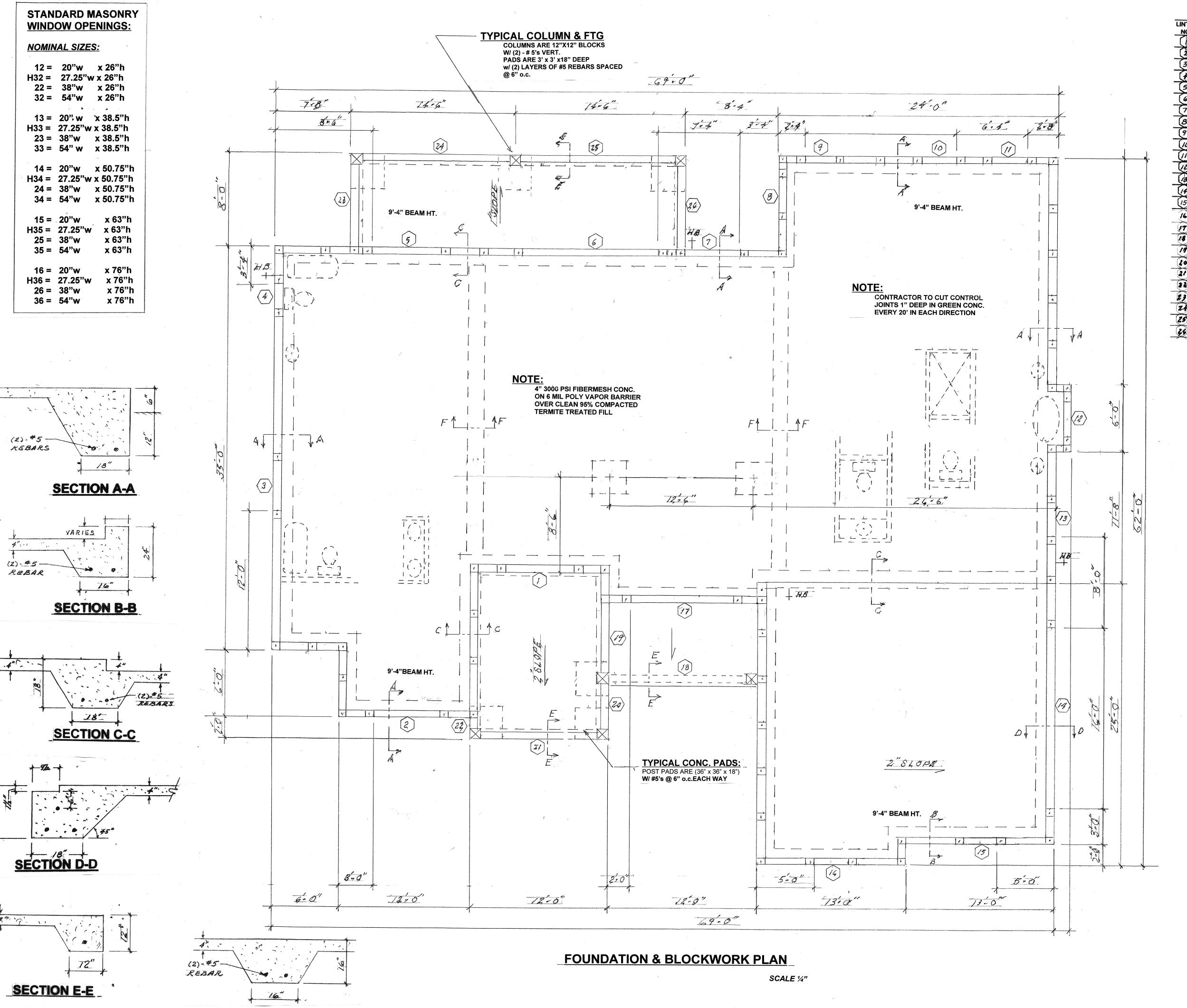
This item has been electronically signed and sealed by Bowdoin G. Hutchinson, P.E.

using a Digital Signature and Date. Printed copies of this document are not considered

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BENCHMARK ENGINEERING OF THE TREASURE COAST

•	806 DELAWARE AVE. FT. PIERCE, FL.,34950 (772) 772-267-1399	02/20/23
SEAL	RESIDENCE	SHEET
BOWDOIN	JOE & AMANDA GOOCH 5155 17th STREET SW	1
P.E. #70878	FT. PIERCE, FLORIDA	OF 6



SECTION F-F

E SA AMERICA	T. 20.		LINTEL	SCHEDULE		
LINTEL NO.		LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	COMPOSITE BEAM
	7-6"	2661		1634		8F16 18/27
	7.6	2661		1634		1
[3]	5.10	4360		2 4 93		
(t)	4:0"	6113		3019		
(5)	7,6"	2661		1634		
(6)	13-9"	1678		770		
(7)	7-6"	2,661		1434		
8	4.0"	6113 .		3079		
9	4'-0"	6113		3079	<i></i>	
(10)	4'-0"	6113		3079		
	400	6113		3079		
(E)	A-65	6113.	-	2774		
(43)	4.0"	6113		3019	·.	- - - - - - - - - -
(F)	17.4"	1609		943		8 12 4 28/21
[15]	4.08"	. 4113		3079		8 R 16 18/27
16	400	4113		3079		1 /27
17	16-6"	1533	The contract of part of the contract of the co	1183		
Angele Control of the	13,4"	1078		780		
	7-6"	2661	arricha eu-feiriche der Artist (Clier-i nnen des Arbeitabersen der Jenoche zeich gen-einen des der geber der der	1624		
annumental properties and the second	5',4"	5365	CTIONACIONININANTET MATERIA (CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE C	2290		
nous analysis approximately	12-0"	1254		928	general de la contra en la bando constitución de la constitución de la constitución de la constitución de la c 4°	
22	2-16	6113	t to a responsible construction and cons	4440		
23	9-4"	1843	et en	1324		
· ····································	16.8"	/370	tamakan negarandara arane) ungar tarte midda hiking tape (isak perincumusan-taga hisak da Arang kanang manang	4,55		
anamental financial and all interest and the re-	14.8"	1370		459		
35	9.4"	1843		/326		
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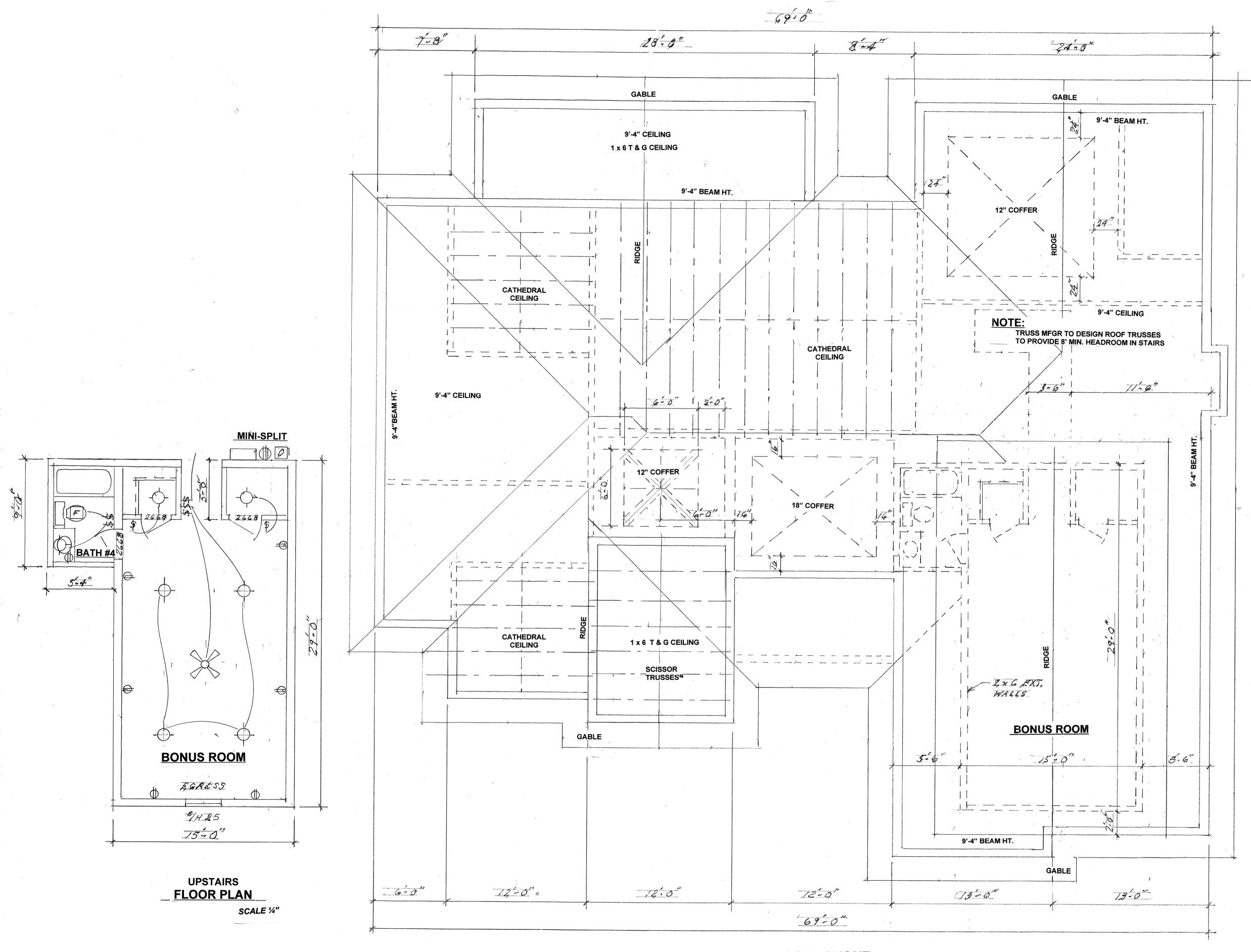
BENCHMARK ENGINEERING OF THE TREASURE COAST

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806	DELAWARE	AVE.
FT. F	PIERCE, FL.,3	4950

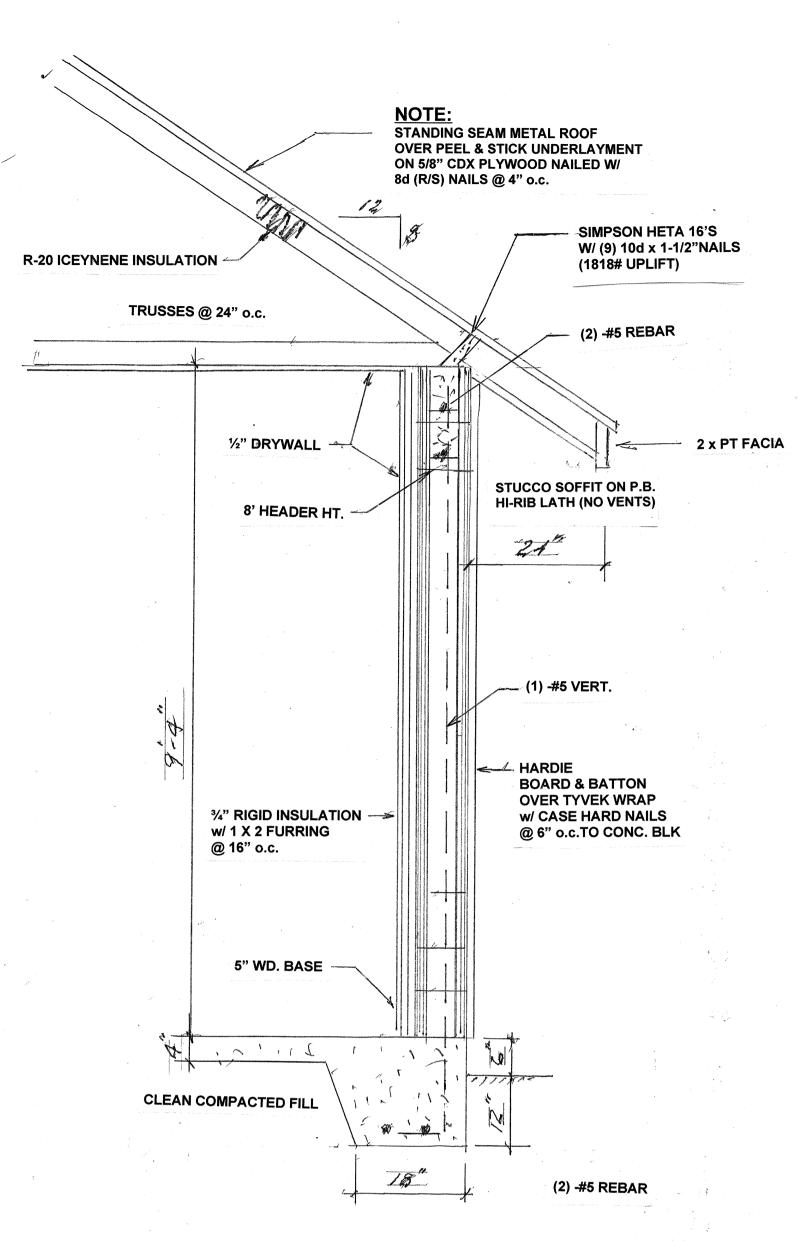
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02/14/23

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

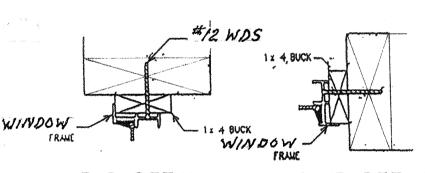


ROOF LAYOUT SCALE 1/4"



TYPICAL SECTION

SCALE 3/4"



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 3½" WDS (FILL ALL HOLES)

WINDOW & DOOR ATTACHMENT

Design by: RICHARD A. JEMISON 3270 HATCHER STREET Ft. Pierce, Fl. 34981 (772) 215-5623

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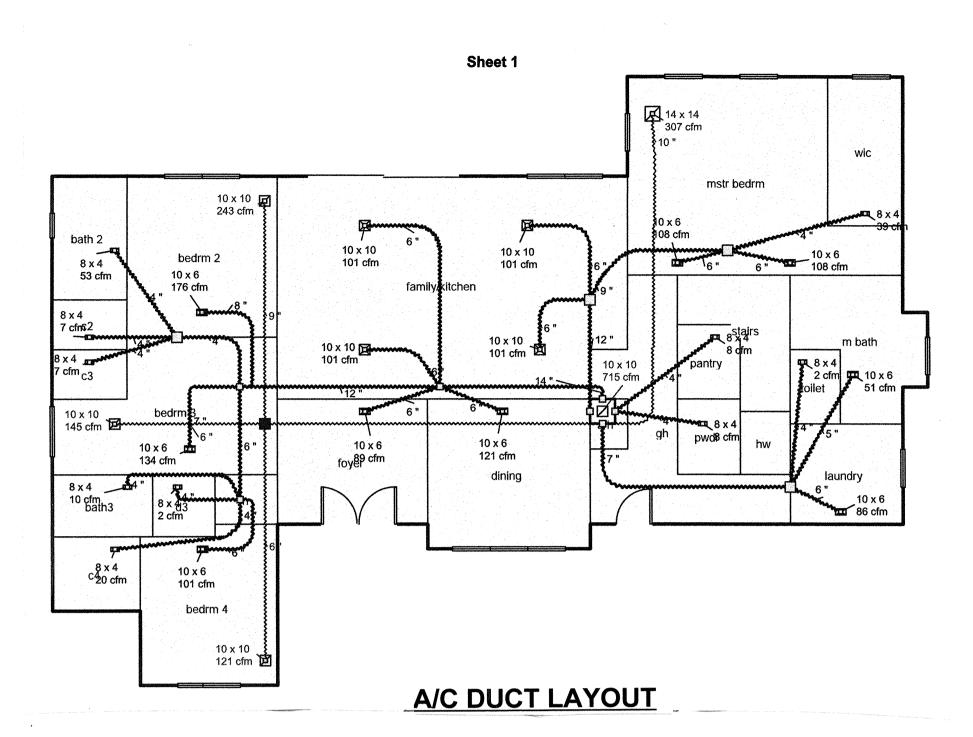
806 DELAWARE AVE. FT. PIERCE, FL. 34950

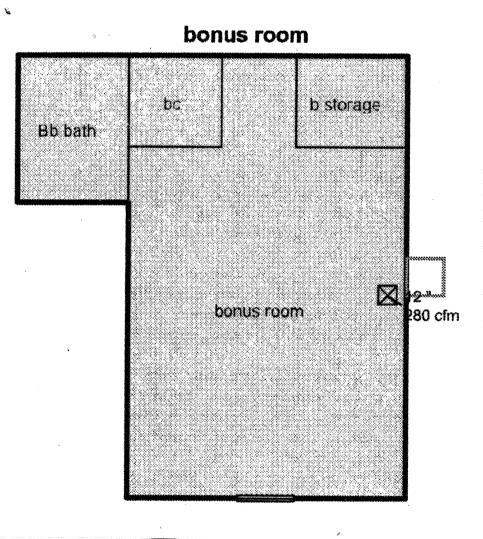
	(772) 772-267-1399	02/20/23
SEAL	RESIDENCE	SHEET
BOWDOIN	JOE & AMANDA GOOCH 5155 17th STREET SW	3
P.E. #70878	FT. PIERCE, FLORIDA	OF 6



FRONT ELEVATION

SCALE 1/4"



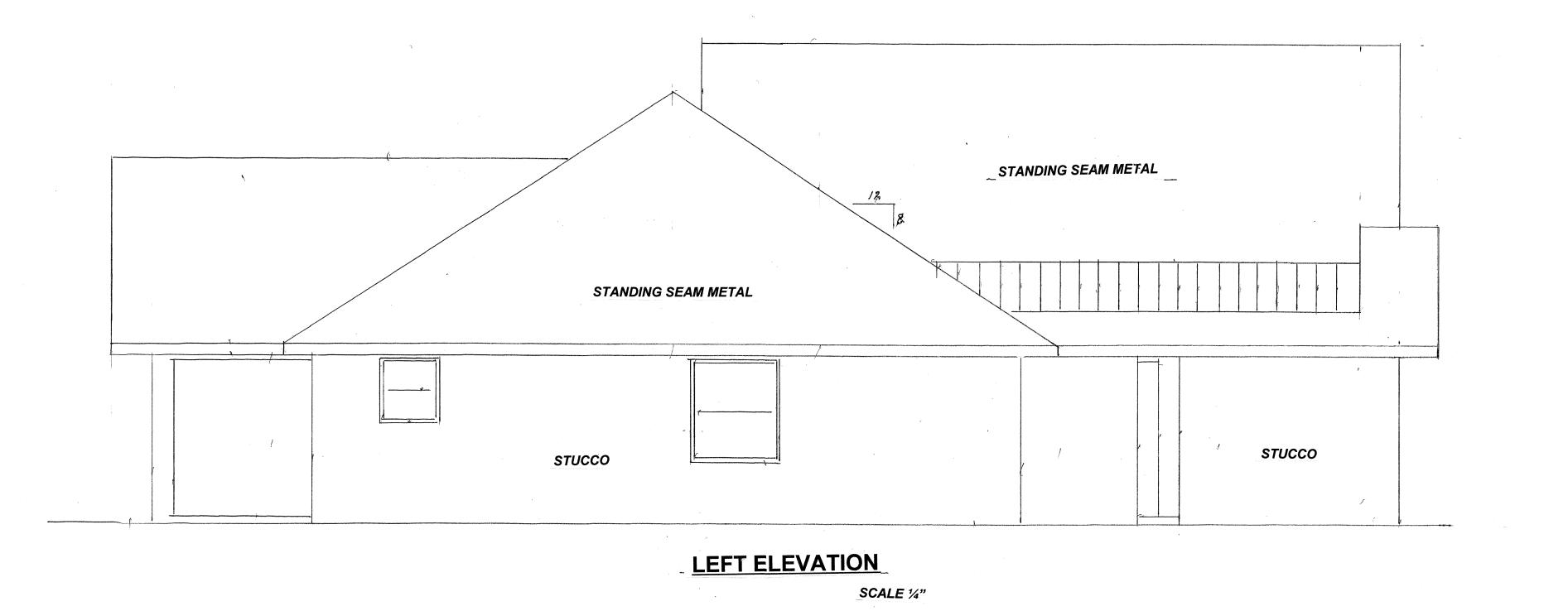


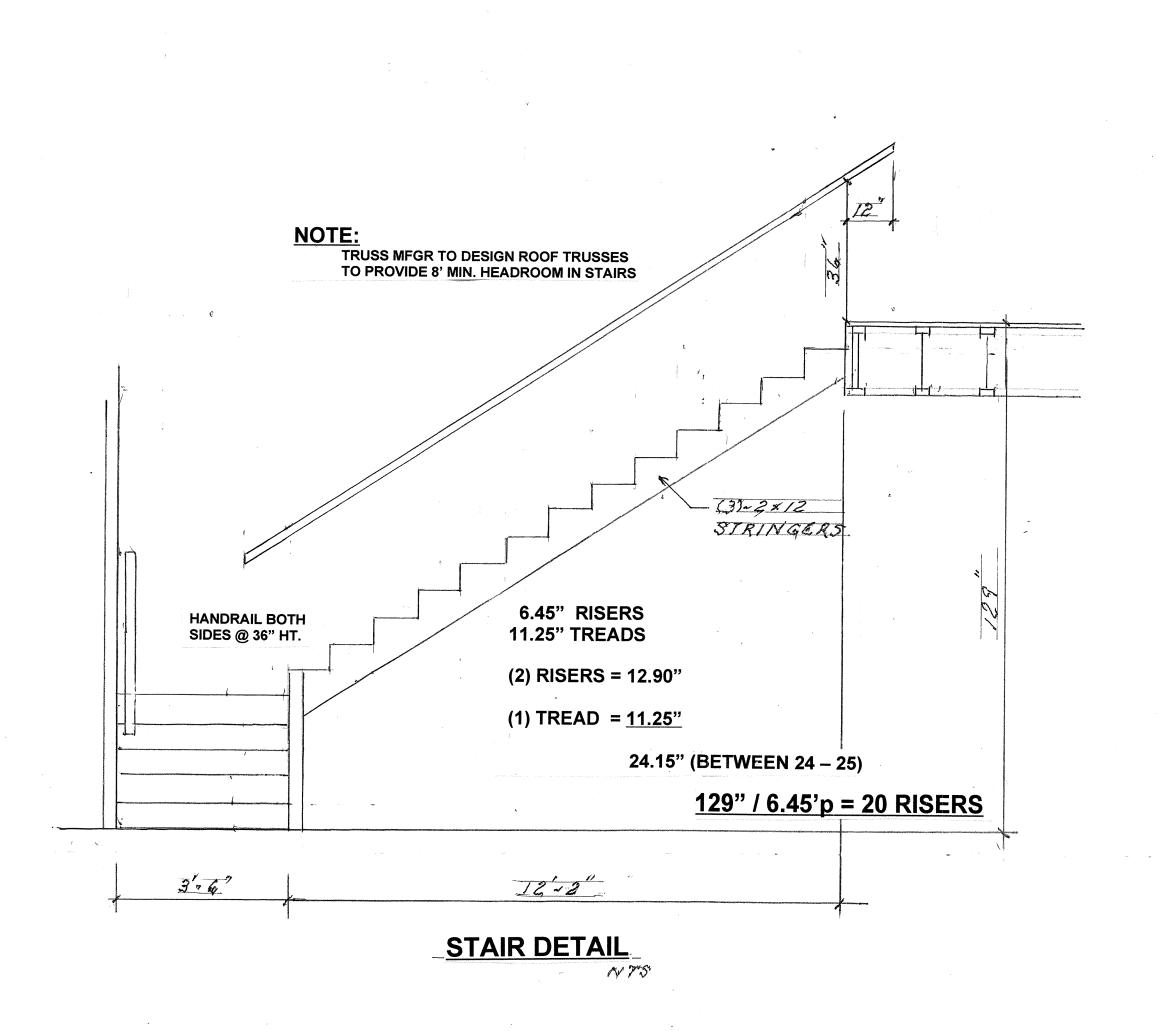
MINI-SPLIT SYSTEM

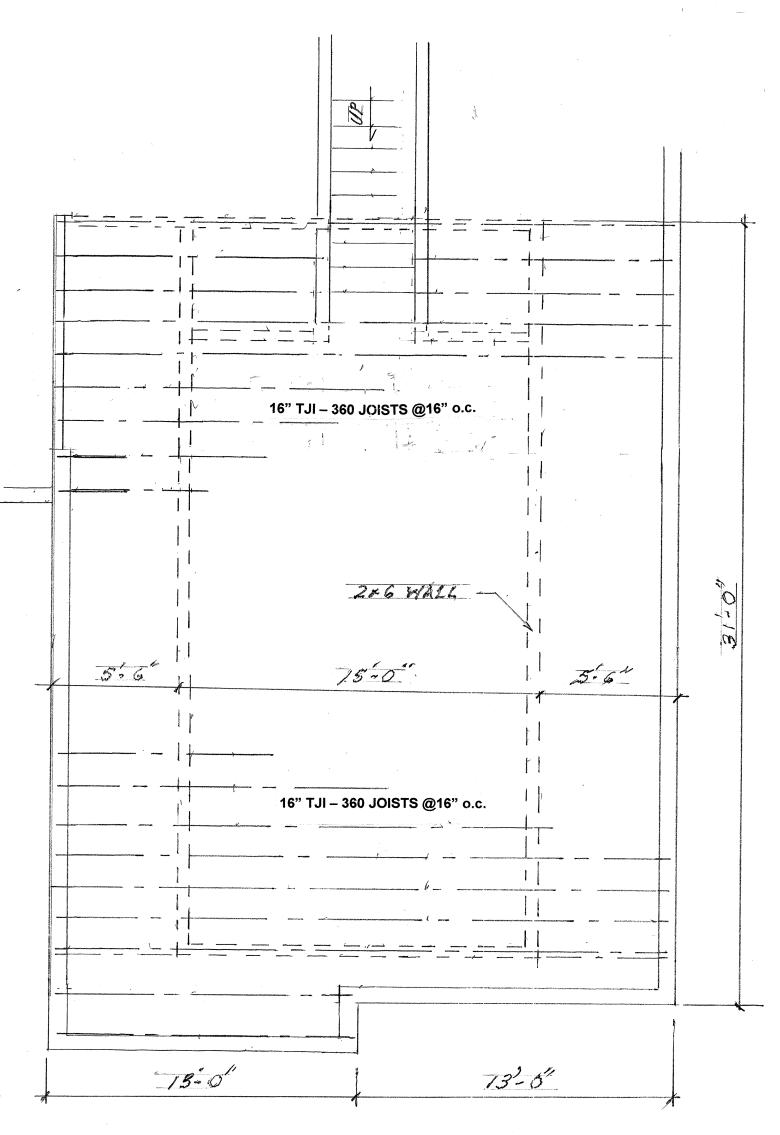
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	SEAL	RESIDENCE	SHEET
**	BOWDOIN	JOE & AMANDA GOOCH 5155 17th STREET SW	4
	P.E. #70878	FT. PIERCE, FLORIDA	OF 6

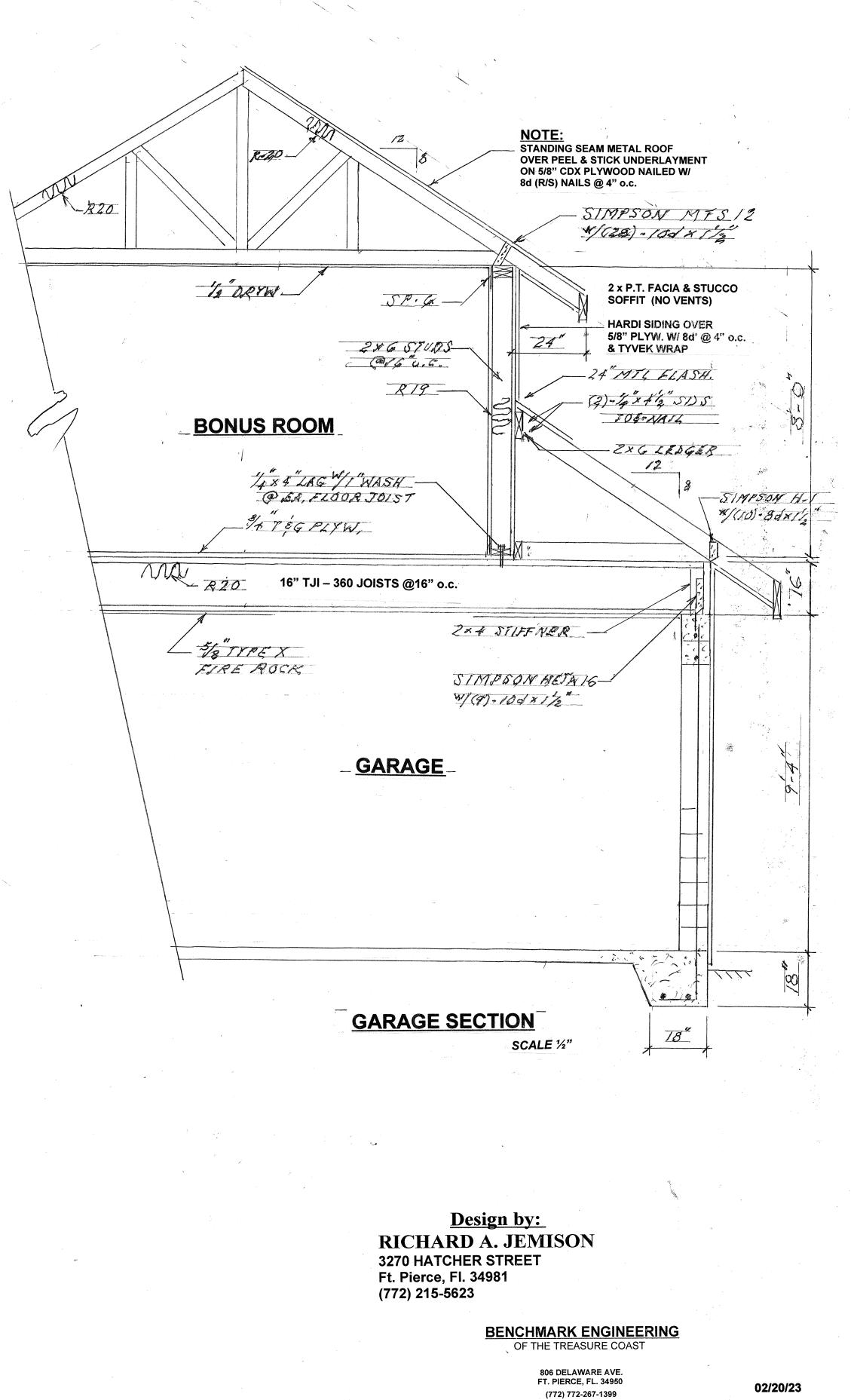






FLOOR JOIST LAYOUT

SCALE 1/4"



SHEET 5

OF 6

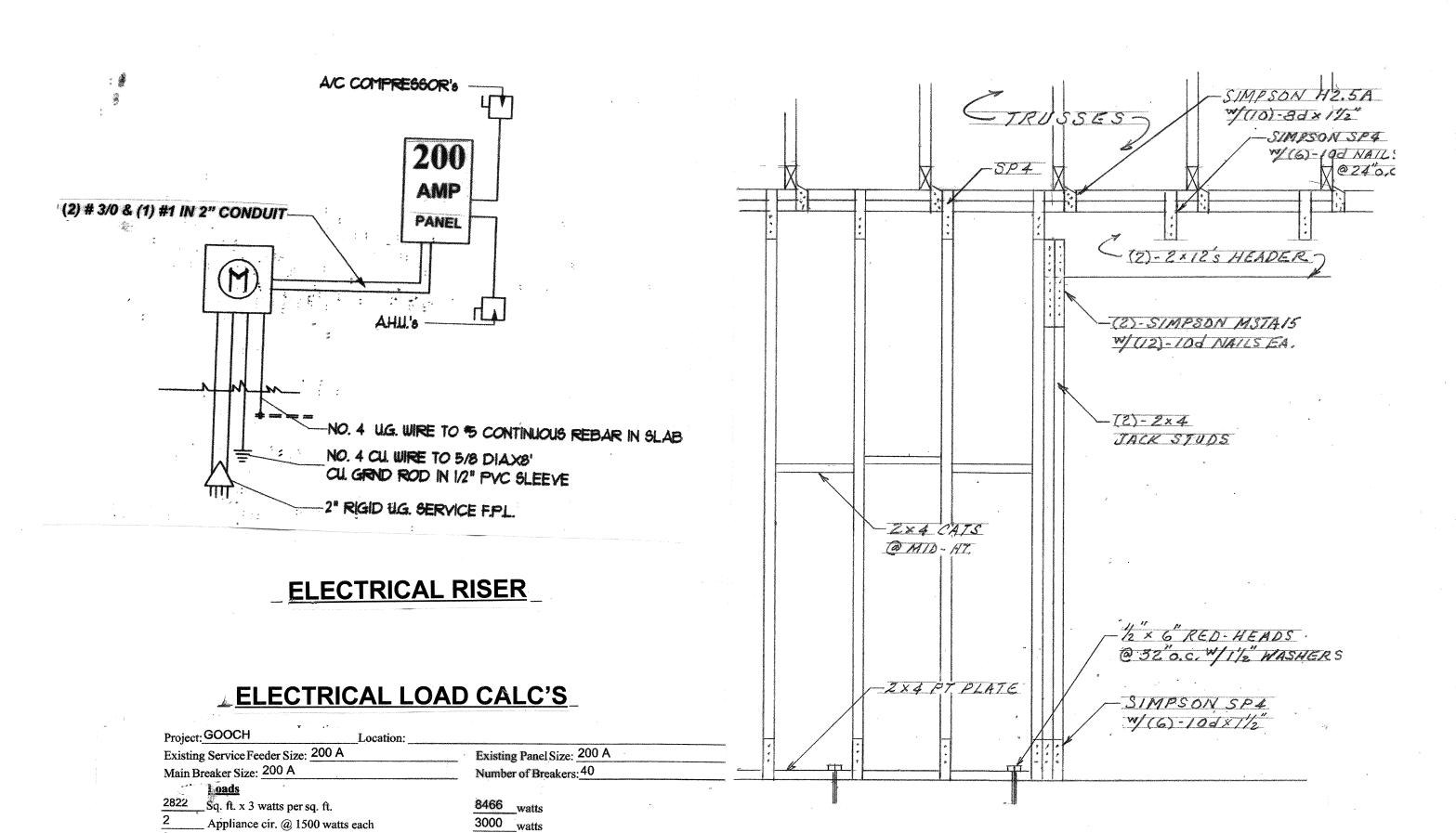
RESIDENCE

JOE & AMANDA GOOCH 5155 17th STREET SW

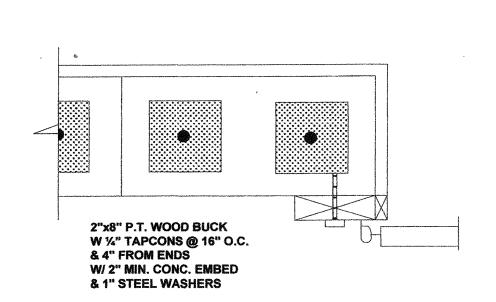
FT. PIERCE, FLORIDA

BOWDOIN

P.E. #70878



INTERIOR BEARING WALL DETAIL



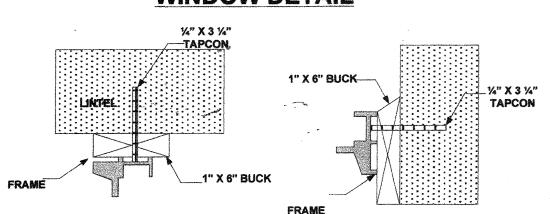
GARAGE DOOR BUCK DETAIL

DOOR DETAIL ¼" X 3 ¼" 1" X 6" BUCK-_¼" X 3 ¼"

WINDOW DETAIL

HEAD DETAIL

HEAD DETAIL



GABLE END DETAIL

__ Appliance cir. @ 1500 watts each

___ Dishwasher and disposal @ 1500 watts each

ELECTRICAL NOTES:

ALL CIRCUITS LOCATED IN WET AREAS IE:

BATHS, KITCHEN, GARAGE, LAUNDRY, ETC. TO BE (GFI) GROUND FAULT INTERUPTED PROTECTED.

ALL OTHER CIRCUITS TO BE (AFI) ARC FAULT INTERUPTED & TAMPER PROOF PROTECTED.

PROVIDE DETECTORS IN ALL BEDROOMS &

CARBON MONOXIDE ALARMS WITHIN 10' OF EACH BEDROOM AND IN HALL ADJACENT TO

2 X 4 'X" BRACES AT EACH VERTICAL MEMBER IN COMMON TRUSSES. FACE NAIL WITH 2 64 NAILS AT VERTICALS AND BOTH TOP 4 BOTTOM CHORDS

KITCHEN WHEN GAS APPLIANCES USED.

__ Laundry cir. @ 1500 watts each

___ Microwave @ 2000 watts ___ Water heater @ 4.5 kw __ Tankless water heater

__ Refrigerator @ 1500 watts

4.5 Bathroom 1 @ 1500 watts

__ Range @ 8 kw

__ Dryer @ 5 kw

__ Sprinkler Pump

10 kw First 10 kw @ 100%

42,216 Remainder @ 40% 15 kw A/C heat @ 100%

Prepared by: RICHARDJEMISON

____Other__

% CDX PLYWOOD NAILED TO STANDARD GABLE END TRUSS WITH 8d NAILS AT 6' O.C.

ANCHOR GABLE END TO WALL WITH 61MP6ON

AT TOP (BOTTOM CHORDS AND EDGES

2x6 P.T. PLATE -

12 x 8 J- BOLTS

H6 AT 32" O.C.

@32"0.0

3000 watts

8000 watts

3000 watts 2000 watts

5000 watts 1500 watts

6750 watts

2500 watts

10,000 watts

15,000 watts

Date: 02/20/23

Total watts 41,886 Divided by 240 volts = 174.5

Total 52,216

5/80 CDX7

2 x 4 BLOCKING 24" O.C. FROM FIRST TRUSS TO

BOTTOM CHORD OF GABLE TRUBS. FACE NAIL

TO BOTH MEMBERS WITH 2 - 16d NAILS

JAMB DETAIL

JAMB DETAIL

WIND LOAD COMPLIANCE

DESIGN PARAMETERS AND ASSUMPTIONS USED: (complete all that apply) 1. DESIGN CODE: Florida 2020 FBC (7the DITION) & ASCE 7-16

Exposure Category: ____B ___C ___D

5. Mean Roof Height 15 ft Roof Pitch: 5/:12 Parapet: - ft

Dock: ____ PSF Deck: ___ PSF Stairs: ____ PSF Fence: ____ PSF Railings: ____ PSF

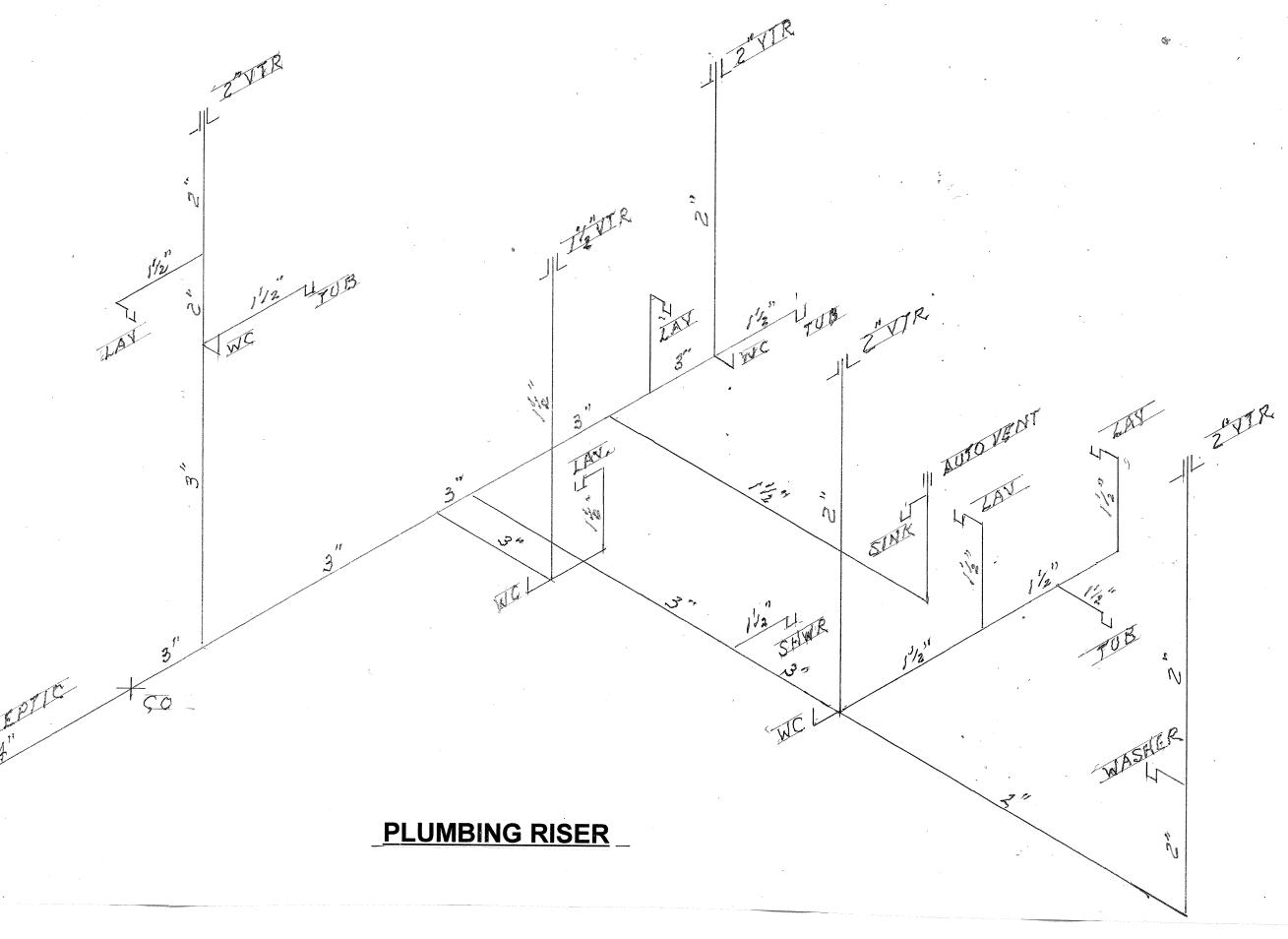
8. Were Shear Walls Considered For Structure? Yes Not Applicable Explain Why Not:

9. Is A Continuous Load Path Provided? Yes Not Applicable Explain Why Not:

10. Design Soil Bearing Pressure: 2500 PSF Soil Test Reports Submitted? Yes

PRODUCT APPROVALS

PRODUCT APPROVAL	Product	Model#	Manufacturer	Glass Description	Attachment Method type, size, spacing & embedment	Building Design Pressure	Product Design
239.2	WINDAW	SH 540	PGT	179.7557	14 FAPCONS	+39/-48	F60/-TO
	onneuronemissionis errori organis errori organis errori organis errori organis errori organis errori organis e errori organis errori organis errori organis errori organis errori organis errori organis errori organis error	5570	anne elemente se que con circina de la constante de la constan	and the second s	15 SHEB	and the second s	# 60
5684.4	GAR DR	W7	CLOPAY		JENJALAGS QILOC	+25/28	#42 J- Qu
1702215_	Roos	STANO SGAM:	FITTREME	3 NA	FIEX 1/2 HNHAS (PIG'O. C. FIE'D PORT		-86
J.S.F.L	UNDERL.	8018- 8716	POLTG143	2 1/4	PEEL & SFICK	-47	- 356
2432.12	GR. Doors		THERMA TRU	IMPACT	14 THP CON 3 1/1 1/2 AMBED (4" \$ 16" 6 6)	+39/-48	347



-(2)-40x3" WDS @ 24" o.c.

- (2) - 2×4 TOP PLATE

-2×4 STUDS@16"o.c.

- 1/2" DRYWALL

2X4 P.T. PLATE

INTERIOR WALL SECTION

W/14"x3/4" TAPCONS

OR #10 WDS@24" O.C.

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