

7/27/15
 10/22/15 PERMIT

HAYEK RIO VISTA
 FT. PIERCE, FLORIDA

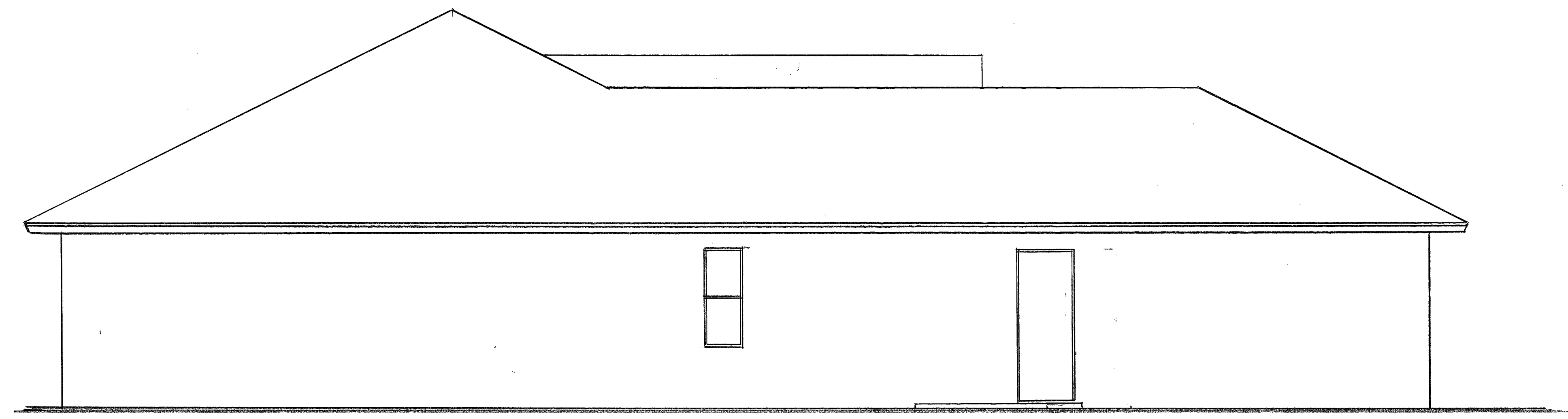
PETER B. COOK

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SHEET
 2
 OF FIVE
 HAYEK
 RIO VISTA

PRODUCT REVIEW							
PRODUCT	OPENING DESIGN PRESSURES (WORST CASE)	PRODUCT DESIGN PRESSURES	MANUFACTURER	MODEL#	APPROVAL#	IMPACT TYPE	ATTACHMENT METHOD
DOUBLE DOOR	-49.2	-50	PLASTPRO	GLAZED FIBERGLASS	FL# 17184.4	IMPACT	3/4" TAPCON @ 14.33" MAX O.C., 6" FROM EACH CORNER, ONE AT 4" & 8" MAX ON EACH SIDE OF ASTRAEGAL HEAD & SILL
DOOR	-68.4	-70	PLASTPRO	OPAQUE FIBERGLASS	FL# 17184.16	IMPACT	3/4" TAPCON @ 14.5" MAX O.C., 6" FROM EACH CORNER, WITH 1-1/4" MINIMUM EMBEDMENT & 2" EDGE DISTANCE
SLIDING GLASS DOOR	-68.4	-100	PET INDUSTRIES	VINYL SLIDING GLASS 5570	NOA# 15-0409.02	IMPACT	1/4" ELCO @ 21.6" MAX O.C. JAMBS, 6" MAX FROM EACH CORNER, (1) ANCHOR @ CENTER OF EACH PANEL, (3) CLUSTERS STYLE INTERSECTION @ 4" MIN. O.C. WITH 1-3/8" MINIMUM EMBEDMENT & 2-1/2" EDGE DISTANCE
WINDOW	-68.4	-70	PET INDUSTRIES	SH-9500	NOA# 15-0519.05	IMPACT	1/4" ULTRACON 4" MAX O.C., & 2" MAX FROM EACH CORNER, WITH 1-1/4" MINIMUM EMBEDMENT & 1" EDGE DISTANCE
METAL ROOFING	ZONE 1 -48.2 ZONE 2 -68.9 ZONE 3 -130.6	-150	ENGLERT, INC.	ENGLERT 1101	FL# 11698.6	N/A	#10 X 1" PANCAKE-HEAD SCREW @ 6" O.C. WITH 3/16" MINIMUM EMBEDMENT
SIDING (OPTIONAL)	-49.2 -68.4	-76	JAMES HARDIE BUILDING PRODUCTS, INC.	HARDIE	NOA# 15-0122.04	IMPACT	2" LONG SIDING NAILS @ 8" O.C. AT PANEL EDGES & INTERMEDIATE STUDS DRIVEN THROUGH 5/8" THICK PLYWOOD SHEATHING & 3/8" EDGE DISTANCE & 2" FROM CORNERS
GARAGE DOOR	-30.1	-52	WAYNE DALTON	8000	FL# 8248.9	IMPACT	5/16" X 1-1/2" LAG SCREW AT EACH JAMB BRACKET. WITH 1-3/4" EMBEDMENT

THE SEAL HEREON IS PROVIDED ONLY TO INDICATE OUR REVIEW AND APPROVAL FOR USE OF PRODUCTS LISTED FOR THIS STRUCTURE. THE ACCEPTANCE OF THESE PRODUCTS AND METHODS OF ATTACHMENT ARE BASED ENTIRELY UPON TEST DATA PROVIDED BY THE MANUFACTURER, WHICH CARRIES ITS OWN ENGINEER'S CERTIFICATION AND IMPLIES NO WARRANTY OR GUARANTEE BY THIS OFFICE FOR THESE PRODUCTS.

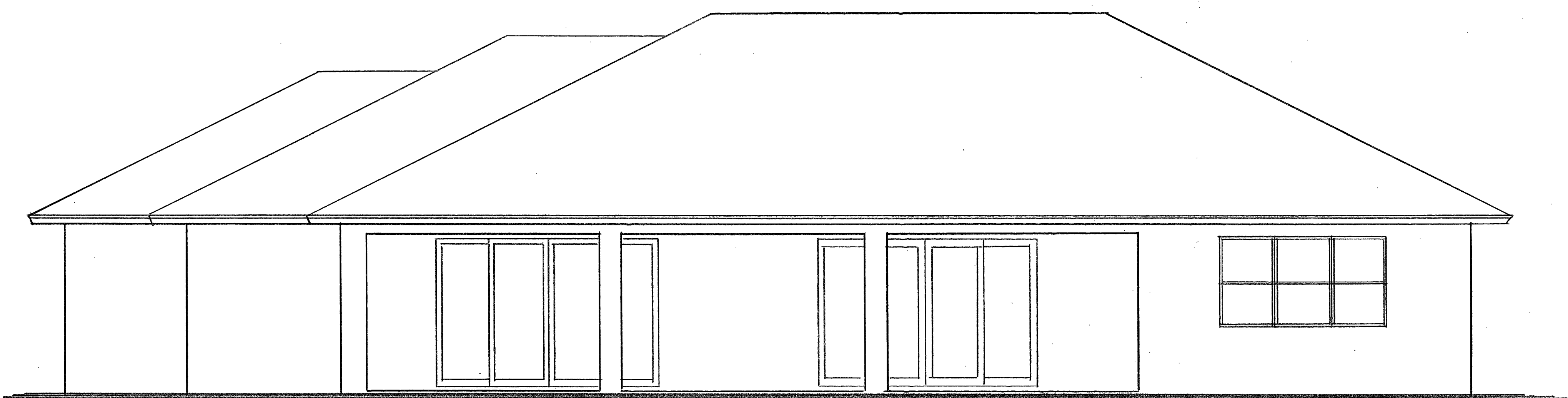


LEFT SIDE ELEVATION

1/4"

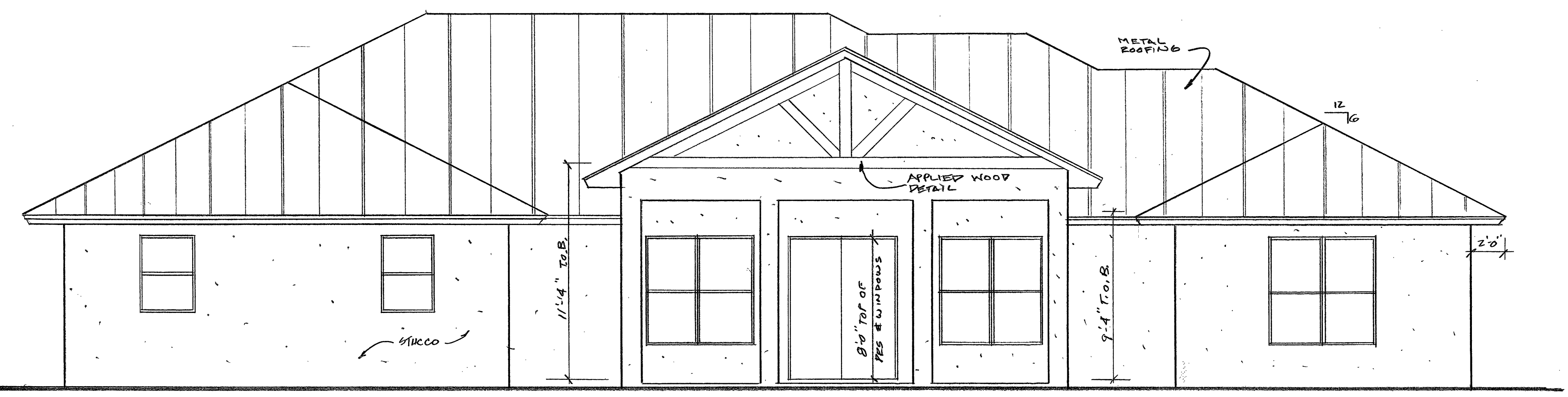
CONNECTOR SCHEDULE					
TRUSS ID	BEARING POINT(S)	TRUSS ACTUAL UPLIFT (GROUPED, WORST CASE)	SIMPSON CONNECTOR(S)	CONNECTOR(S) UPLIFT DESIGN	FASTENERS
A-ATA	EACH	708#	(1)HETA 20	1810#	10-10D
D-D6	1 st BRG	1429#	(1)HETA 20	1810#	10-10D
	2 nd BRG	HANGER BY TRUSS COMPANY			
D7-D8	EACH	1429#	(1)HETA 20	1810#	10-10D
E	EACH	708#	(1)HETA 20	1810#	10-10D
G-G8	EACH	1443#	(1)HETA 20	1810#	10-10D
GEA	48" O.C.	253#	(1)HETA 20	1810#	10-10D
GR7	1 st BRG	278#	(1)HETA 20	1810#	10-10D
	2 nd BRG	HANGER BY TRUSS COMPANY			
GRA	EACH	1304#	(1)HETA 20	1810#	10-10D
GRB	1 st BRG	522#	(2)FGTR	9400#	(2) 3/4" X 5" TITEN & 18-SDS 3/4" X 3"
	2 nd BRG	4705#	(1)FGTR	5000#	(2) 3/4" X 5" TITEN & 18-SDS 3/4" X 3"
GRD	1 st BRG	2322#	(2)HETA 20	2000#	10-10D
	2 nd BRG	HANGER BY TRUSS COMPANY			
GRG	EACH	1773#	(1)HETA 20	1810#	10-10D
GRK-GRM	1 st BRG	935#	(1)HETS 16	1000#	14-10D
	2 nd BRG	722#	(1)HETA 20	1810#	10-10D
K-K4	1 st BRG	460#	(1)HETA 20	1810#	10-10D
	2 nd BRG	543#	(1)HETS 16	1000#	14-10D
M	1 st BRG	HANGER BY TRUSS COMPANY			
	2 nd BRG	258#	(1)HETS 16	1000#	14-10D
KING JACK	1 st BRG	743#	(1)HETA 20	1810#	10-10D
	2 nd BRG	591#	(1)HETS 16	1000#	14-10D
HIP JACKS	1 st BRG	157#	(1)HETA 20	1810#	10-10D
	2 nd BRG	HANGER PER TRUSS COMPANY			
VALLEY TRUSSES	48" O.C.	672#	(1)HETS 16	1000#	14-10D

TRUSS INFORMATION TAKEN FROM MANUFACTURER'S SHOP DRAWINGS. CHAMBERS TRUSS, JOB # 72959. TRUSS ENGINEERING DATED 10/08/2015. ALL LOADS REPRESENT WORST CASE LOADING FOR GROUPED CATEGORIES. SEE MANUFACTURER'S TRUSS LAYOUT FOR TRUSS ID AND STRAPPING PLACEMENT.



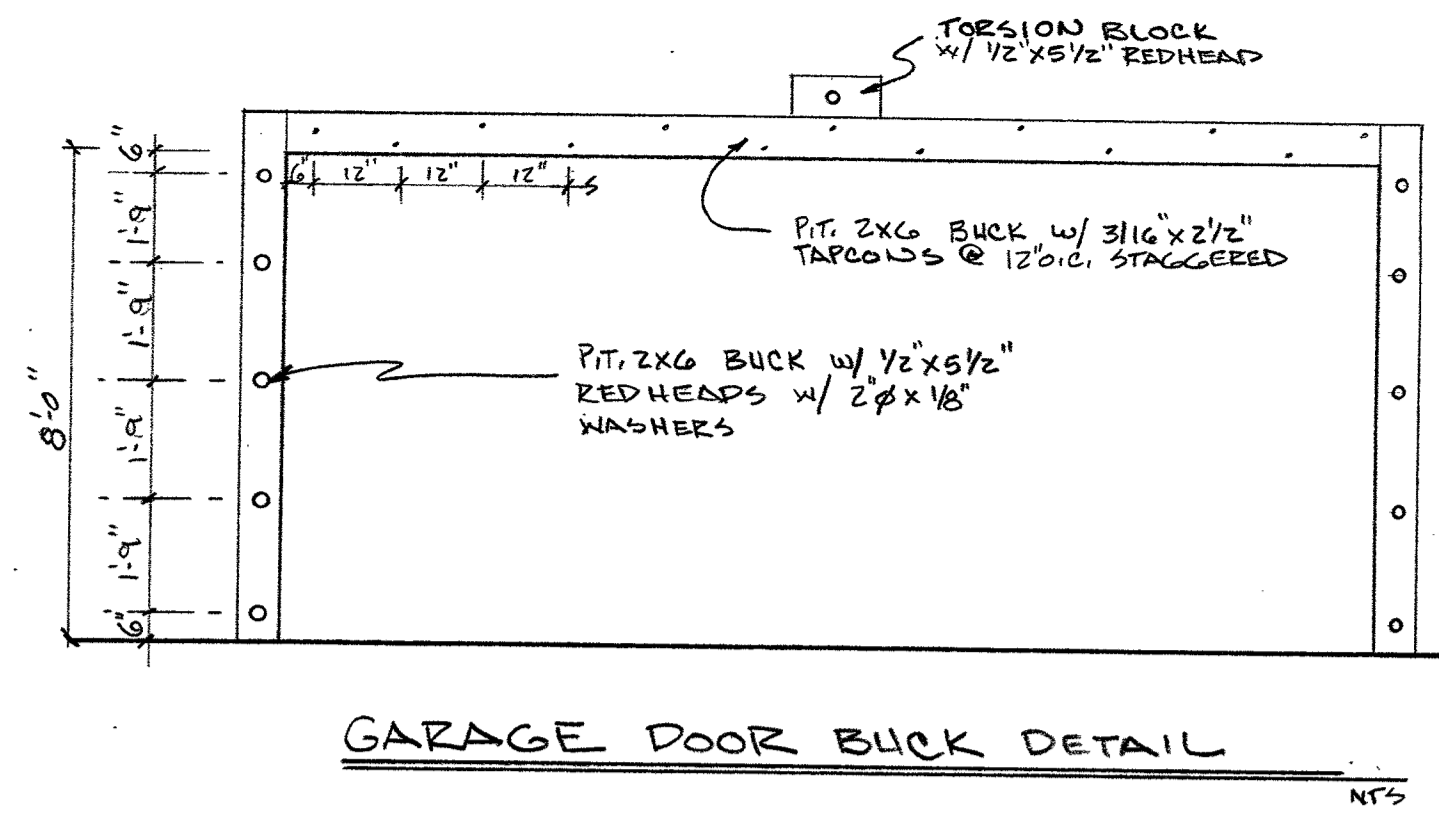
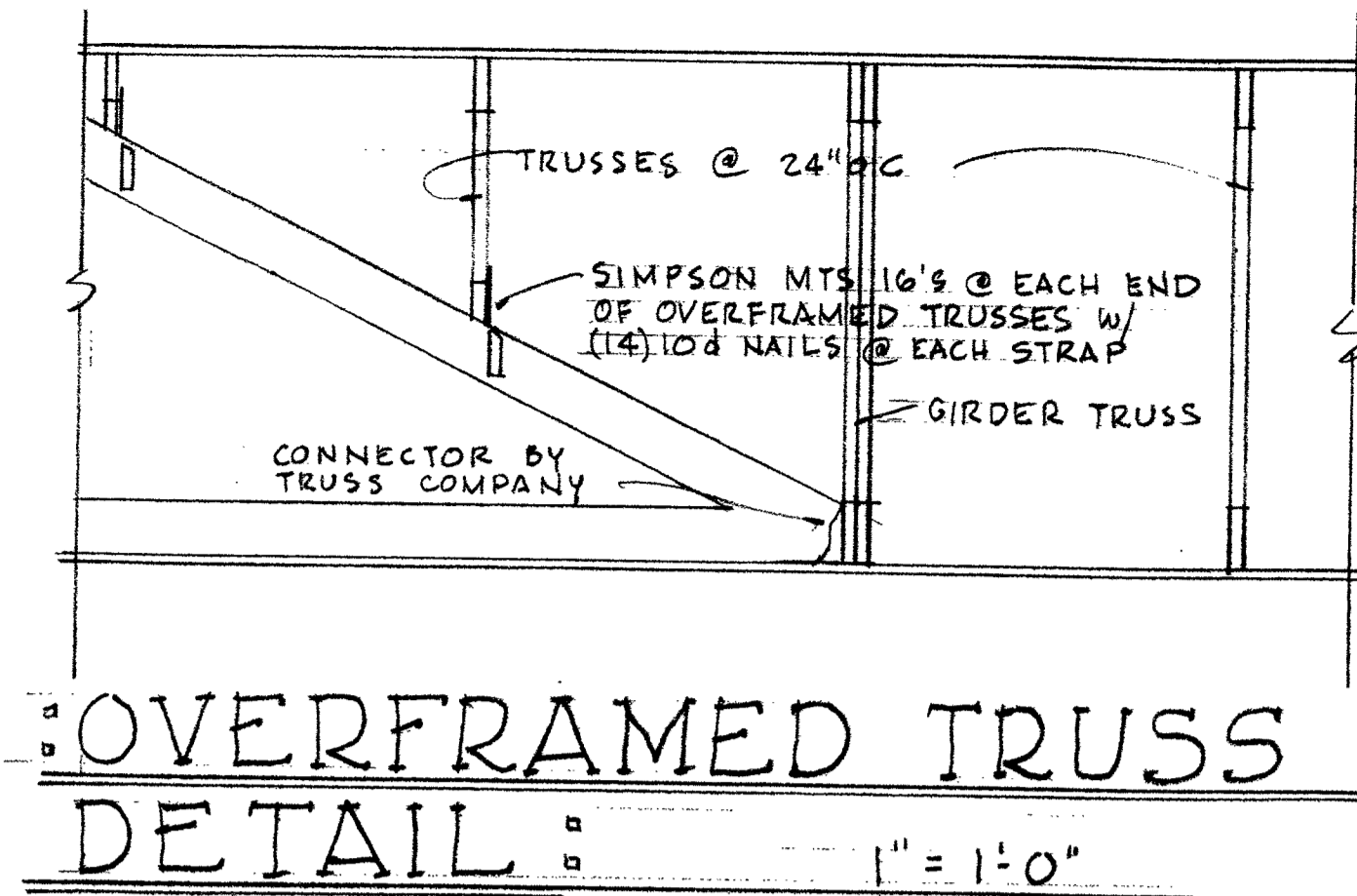
REAR ELEVATION

1/4"

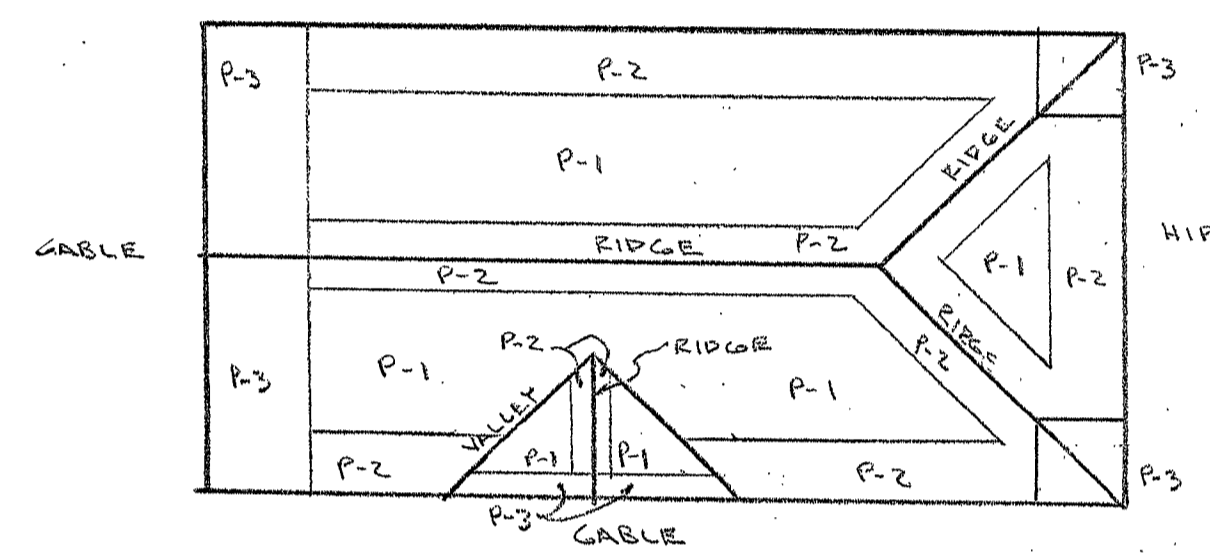


FRONT ELEVATION

1/4"



DOOR AND WINDOW BUCK FASTENING
 DOOR AND WINDOW BUCKS SHALL BE ATTACHED WITH CASE HARD NAILS AT 12" ON CENTER, WITH THE DOORS AND WINDOWS FASTENED WITH TAPCONS PER THE PRODUCT REVIEW AFFIDAVIT WITH A MIN. OF 1-1/4" EMBEDMENT INTO CONCRETE (THROUGH FRAME). BUCK SHALL EXTEND BEYOND THE INTERIOR FACE OF THE FRAME PER 2014 FLORIDA BUILDING CODE WITH AMENDMENTS.

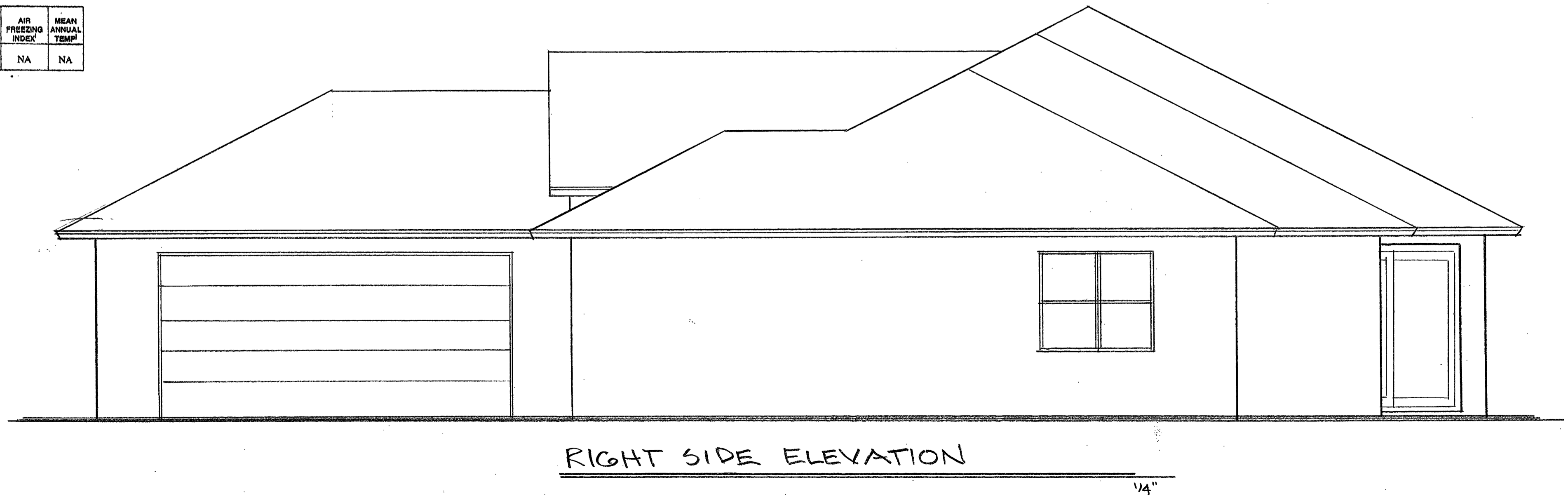
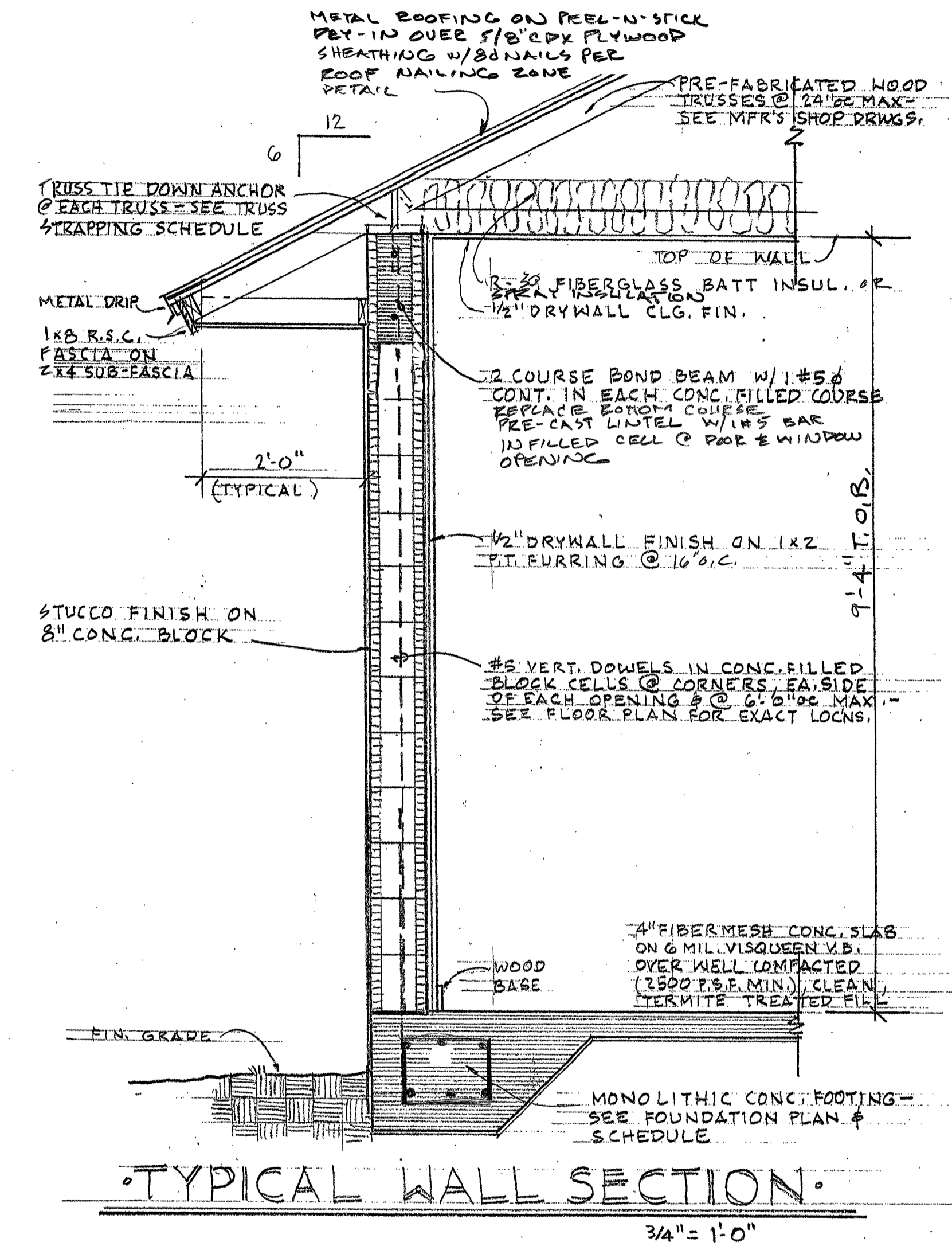
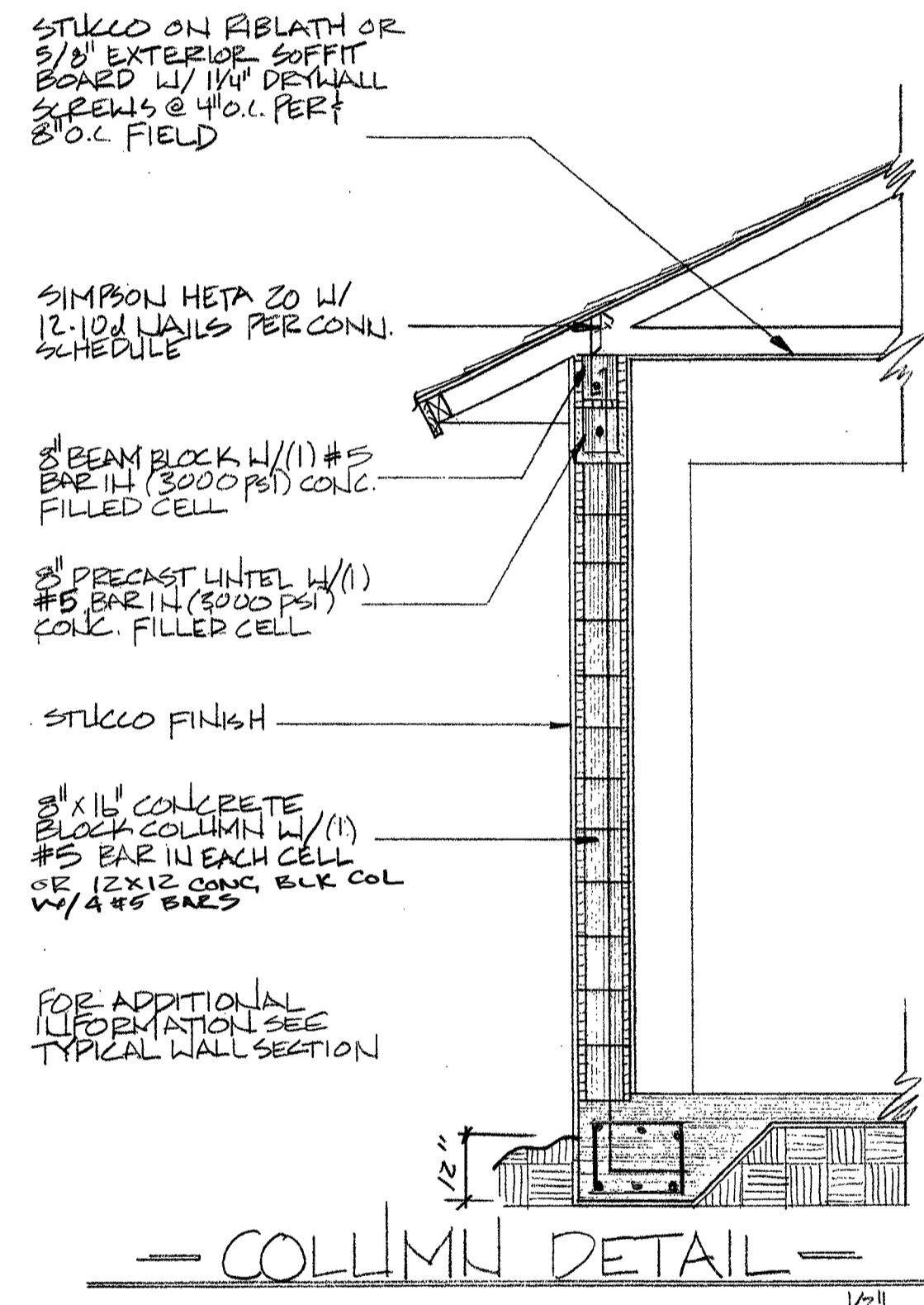


ROOF SHEATHING NAILING ZONE INFO.
 ZONE P1 REMAINING AREA W/8d RING SHANK @ 6" O.C PERIMETER & 6" O.C. FIELD.
 ZONE P2 4' X LENGTH W/8d RING SHANK @ 4" O.C PERIMETER & 6" O.C. FIELD.
 ZONE P3 5' X 5' @ HIP AND 5' X LENGTH @ GABLE ENDS W/8d RING SHANK @ 4" O.C PERIMETER & 4" O.C. FIELD.
NOTES:
 19/32" CDX PLYWOOD SHEATHING
 25' - 0" OR GREATER MEAN ROOF HEIGHT SHALL HAVE 10 d RINGSHANK NAILS.
 UNDERLAYMENT FELT SHALL BE PEEL & STICK OR 30# FELT COMPLYING W/ ASTM D226.

NOTES:
 DRYWALL SHALL CONFORM WITH SECTION R702.3.1 OF THE FLORIDA BUILDING RESIDENTIAL CODE.
 CERAMIC TILE IN TUB / SHOWER COMPARTMENTS SHALL CONFORM WITH SECTION R702.4 OF THE FLORIDA BUILDING RESIDENTIAL CODE.
 WALL AND CEILING FINISHES SHALL HAVE A FLAME SPREAD CLASSIFICATION OF NOT GREATER THAN 200 AND A SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450.
 ATTIC INSULATION SHALL HAVE A CRITICAL RADIANT FLUX NOT LESS THAN 0.12 WATT PER SQUARE CENTIMETER WITH A FLAME SPREAD NOT EXCEEDING 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX NOT EXCEEDING 450.
 FOAM BLOCK INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 75 AND SMOKE - DEVELOPED INDEX OF NOT MORE THAN 450.

TABLE R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN (Speed) ¹ (mph) (Effective) (NA)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM		WINTER DESIGN TEMP ²	ICE BARRIER UNDERLAYMENT REQUIRED ³	FLOOD HAZARDOUS ⁴	AIR FREEZING INDEX	MEAN ANNUAL TEMP ⁵
			Weathering ⁶	Front Inva sion ⁷					
NA	See Fig. R301.2(4)	NA	Negligible	NA	Very Heavy	NA	NA	NA	NA



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RIO-VISTA

Certification for Design Load Compliance

- DESIGN CODE: Florida Building Code 2014 Edition w/2015 supplements using ASCE 7-10
- Structure Design Is: Enclosed Partially Enclosed Open Building
- Risk Category: I II III IV Exposure Category: B C D Adjustment coefficient: 1.0
- Design Wind Velocity: 110 mph ASD LRFD End Zone Width: 4 ft.
- Mean Roof Height: 20 ft. Roof Pitch: 6:12 Parapet: 0 ft.
- Components & Cladding Design Pressure used: (PSF, based on Actual sq. ft. @ 30' MRH (worst case))
Zone 1: -49.2 Zone 2: -68.1 Zone 3: -130.4 Zone 4: -49.2 Zone 5: -68.1 (Garage: 30.1)
- Design Loads: Floor: 25 PSF Roof/Dead: 15 PSF Roof/Live: 30 PSF Balcony: PSF
Dock: PSF Deck: PSF Stairs: PSF Fence: PSF Railing: PSF
- Were Shear Walls Considered for Structure? Yes Not applicable Explain Why Not:
- Is a Continuous Load Path provided? Yes Not applicable Explain Why Not:
- Design Soil Bearing Pressure: 2000 PSF

STRUCTURAL NOTES:

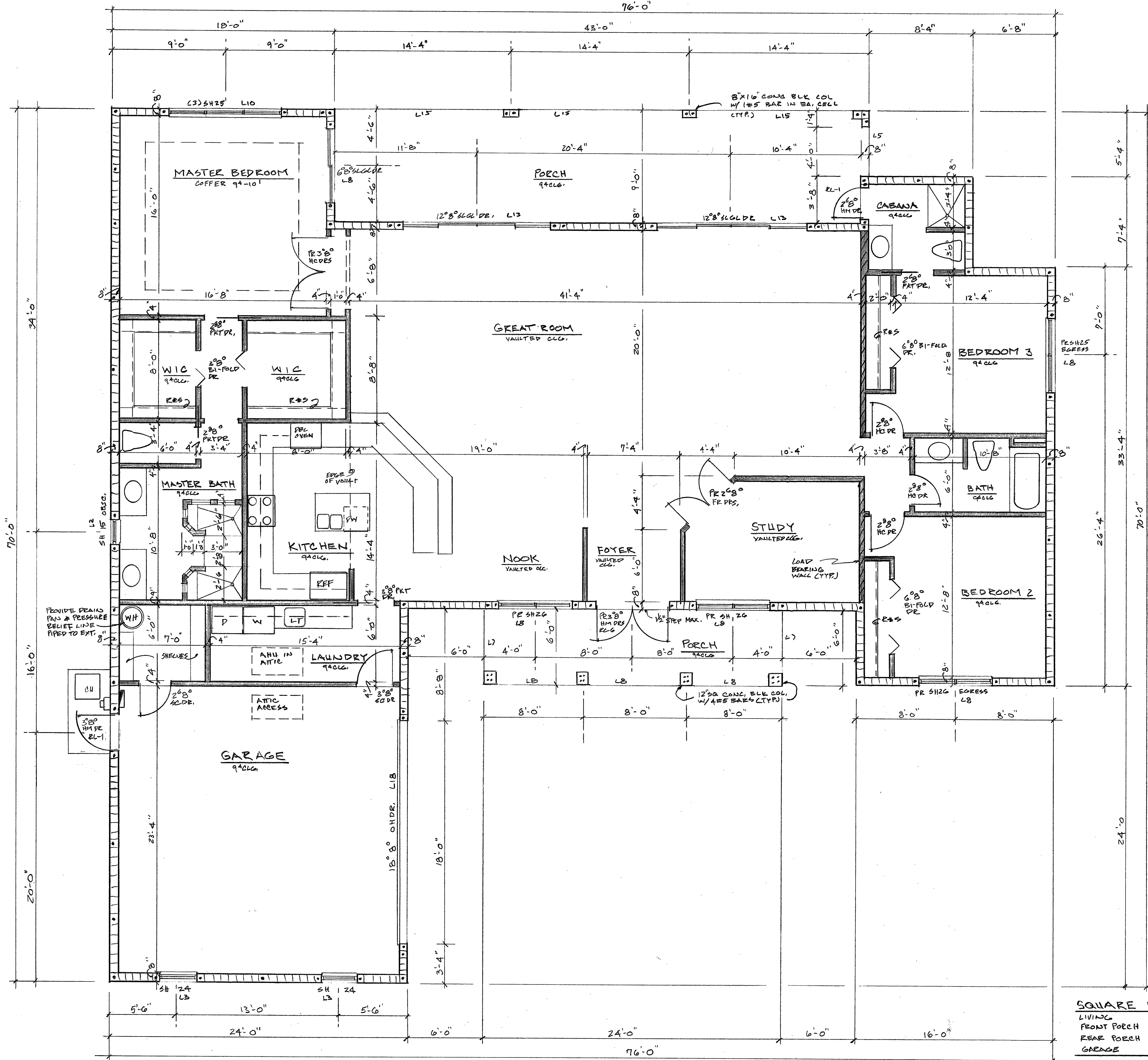
- STRUCTURAL LUMBER TO BE HEM-FIR # 2 GRADE OR BETTER WITH 1000 P.S.I. MIN. FIBER STRESS VALUE.
 - CONCRETE SLABS AND FOOTINGS TO BE 2500 P.S.I. MIN.
 - REINFORCING STEEL SHALL BE GRADE 60 OR BETTER WITH 30" MIN. LAP.
 - CONCRETE COVER OVER REINFORCING STEEL:
FOOTINGS: 3"
BEAMS: 1-1/2"
COLUMNS: 1-1/2"
 - FILL (SOIL) SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY.
 - ALL COMPONENTS OF THIS STRUCTURE HAVE BEEN DESIGNED & SELECTED TO WITHSTAND WIND FORCES PER THE FLORIDA BUILDING CODE 2014 EDITION.
 - DOOR & WINDOW ASSEMBLY COMPONENTS TO BE CERTIFIED BY MANUFACTURER FOR WIND FORCES PER THE FLORIDA BUILDING CODE 2014 EDITION PER WIND LOAD COMPLIANCE DESIGN PRESSURES.
 - PRECAST/PRESTRESSED CONCRETE LINTELS TO HAVE 6" MINIMUM BEARING.
SEE LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
 - FOR METHOD OF ATTACHMENT OF DOORS & WINDOWS, SEE ATTACHED PRODUCT REVIEW AFFIDAVIT.
- NOTE: ALL SIMPSON STRONG-TIE PRODUCTS IN CONTACT WITH TREATED LUMBER SHALL HAVE A MINIMUM Z-MAX COATING OR BETTER.

LINTEL SCHEDULE

LINTEL NO.	LENGTH	SAFE GRAVITY LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	BEAM COMPOSITE
L1	2'-10"	6039H		4101#		8F16/1T-1B
L2	3'-6"	6039H	329#	3260#	224#	8F16/1T-1B
L3	4'-0"	6039H	329#	2832#	229#	8F16/1T-1B
L4	4'-6"	6039H		2507#		8F16/1T-1B
L5	5'-4"	5057H	329#	2110#	229#	8F16/1T-1B
L6	5'-10"	4144H		1930#		8F16/1T-1B
L7	6'-6"	3396H	504#	1733#	304#	8F16/1T-1B
L8	7'-6"	2610H	517#	1475#	352#	8F16/1T-1B
L9	9'-4"	1818H		980#		8F16/1T-1B
L10	10'-6"	1514H	1628#	793#	478#	8F16/1T-1B
L11	11'-4"	1365H		696#		8F16/1T-1B
L12	12'-0"	1254H		631#		8F16/1T-1B
L13	13'-4"	1076H	1028#	532#	478#	8F16/1T-1B
L14	14'-0"	1003H		493#		8F16/1T-1B
L15	14'-8"	1370H	305#	459#	208#	8F16/1T-1B
L16	15'-4"	1250H		430#		8F16/1T-1B
L17	17'-4"	950H		361#		8F16/1T-1B
L18	19'-4"	750H	344#	313#	294#	8F16/1T-1B
L19	21'-4"	610H		278#		8F16/1T-1B
L20	22'-0"	570H		268#		8F16/1T-1B
L21	24'-0"	470H		244#		8F16/1T-1B

RECESSED LINTELS

LINTEL NO.	LENGTH	SAFE GRAVITY LOAD	APPLIED GRAVITY LOAD	SAFE UPLIFT LOAD	APPLIED UPLIFT LOAD	BEAM COMPOSITE
RL-1	4'-4"	4982H	564#	2413#	384#	8F16/1T-1B
RL-2	4'-6"	4982H		2311#		8F16/1T-1B
RL-3	5'-8"	4074H		2240#		8F16/1T-1B
RL-4	5'-10"	3811H		1795#		8F16/1T-1B
RL-5	6'-8"	2933H		1742#		8F16/1T-1B
RL-6	7'-6"	2329H	1628#	1325#	478#	8F16/1T-1B
RL-7	9'-8"	1497H		808#		8F16/1T-1B



SQUARE FOOTAGE

LIVING	2728 SF
FRONT PORCH	144 SF
REAR PORCH	387 SF
GARAGE	435 SF
TOTAL	3894 SF

FLOOR PLAN

1/20/15
10/22/15 PERM

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