

AREA SUMMARY
TOTAL A/C LIVING AREA: 2079.00 SQ FT
ENTRY: 100.00 SQ FT
GARAGE: 620.00 SQ FT
LANAI: 256.00 SQ FT
TOTAL UNDER ROOF: 3055.00 SQ FT

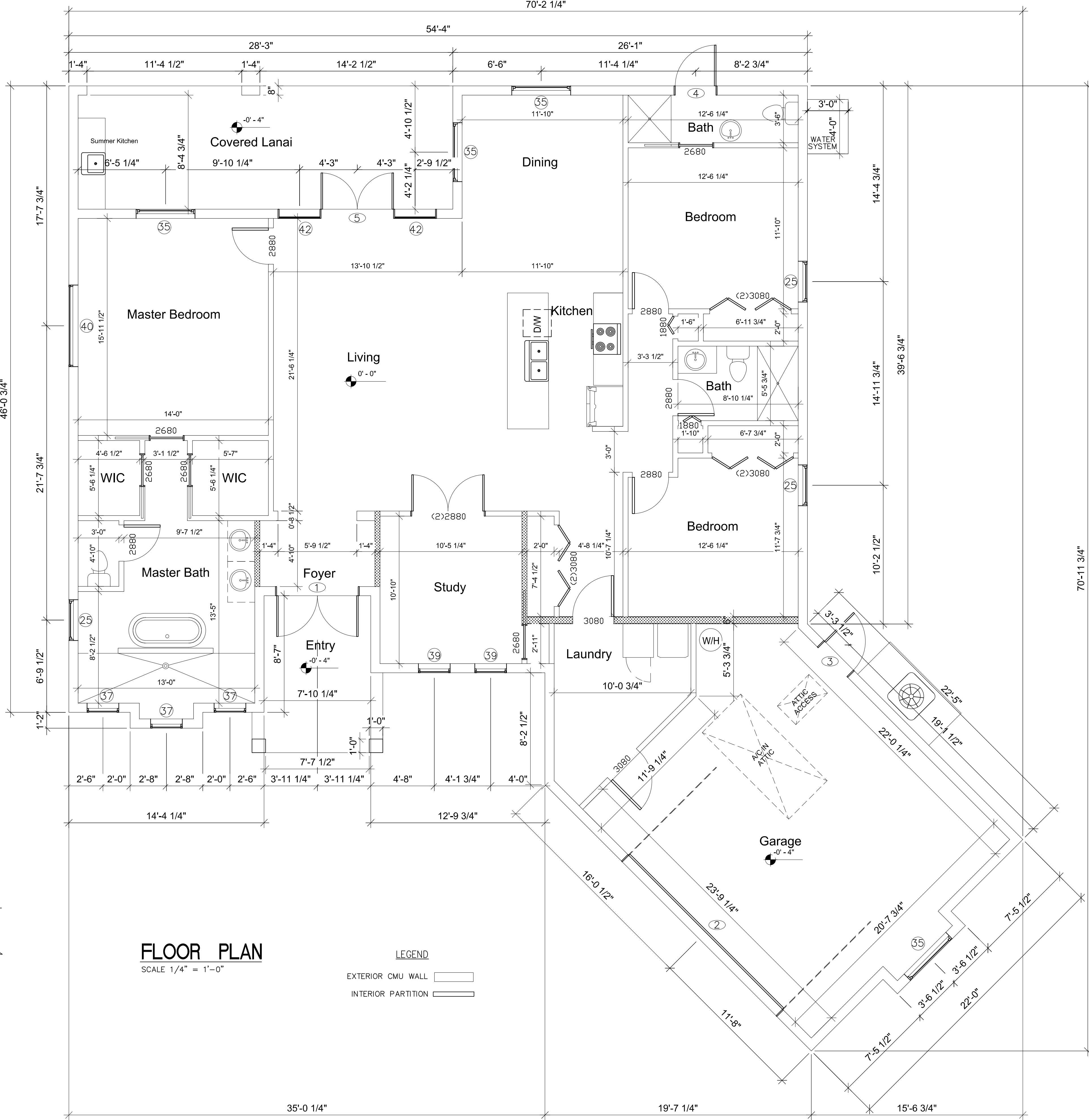
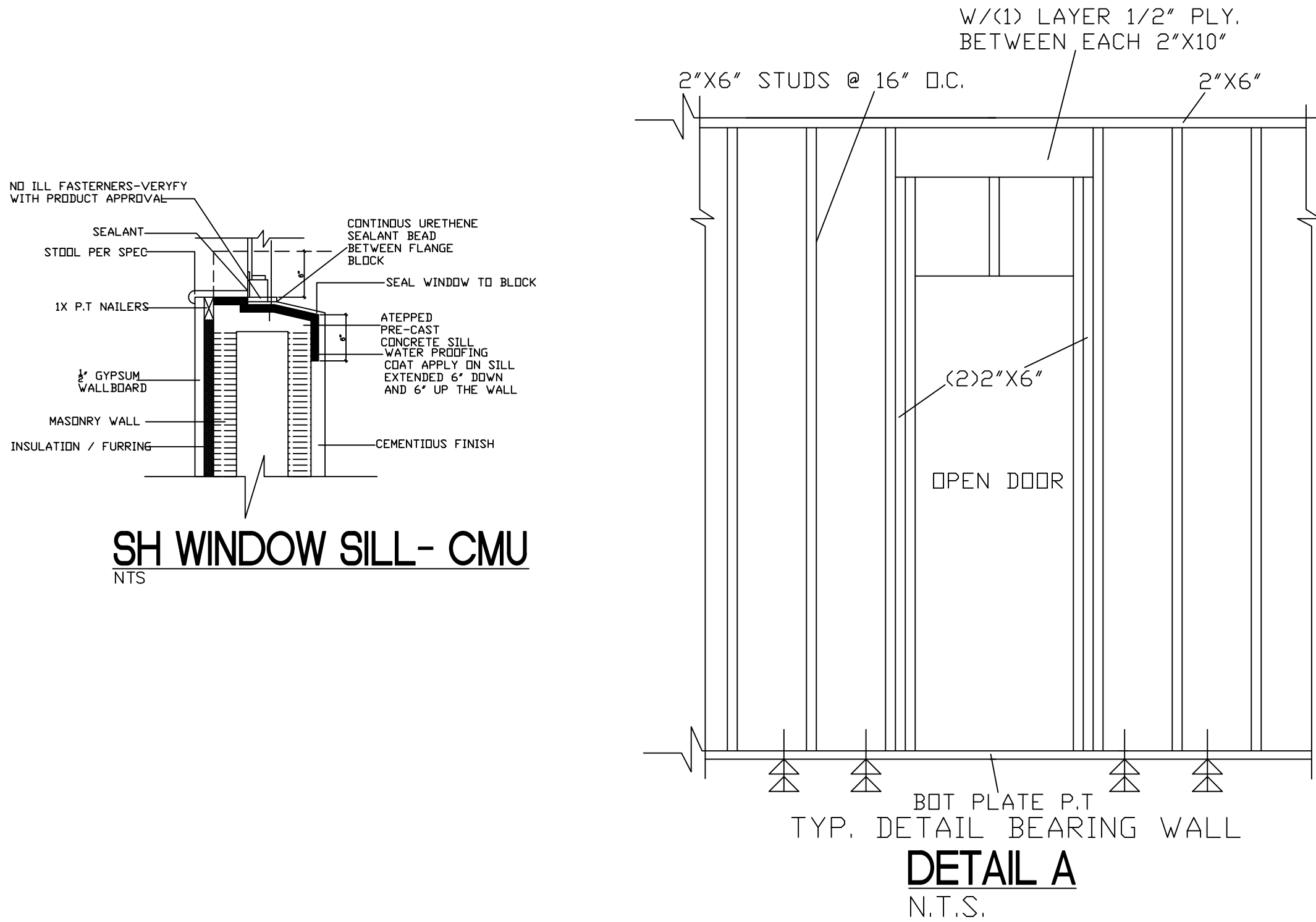
JOB DATA	
ULTIMATE DESIGN WIND SPEED :	170
NOMINAL DESIGN WIND SPEED :	132
RISK CATEGORY :	2
IMPORTANCE FACTOR :	1.0
BUILDING OCCUPANCY CLASSIFICATION :	RESIDENTIAL
BUILDING CONSTRUCTION TYPE :	5B
EXPOSURE CATEGORY :	C
OPENING PROTECTION :	
INTERNAL PRESSURE COEFFICIENTS :	+0.18, -0.18 (ENCLOSED)
FLOOR LIVE LOAD : 1/360 LIVE, 1/240 DEAD	
ROOF LIVE LOAD : 1/360 LIVE, 1/240 DEAD (SUPPORTING PLASTER CEILING)	
THE STRUCTURAL COMPONENTS OF THIS PLAN ARE IN COMPLIANCE WITH THE 6TH EDITION FLORIDA BUILDING CODE, WIND LOAD COMPLIANCE AND ITS RESISTANCE TO GRAVITY AND DESIGN PRESSURES GENERATED BY A WIND VELOCITY OF 170 MPH	

WIND VELOCITY (MPH)	170
IMPORTANCE FACTOR	1.00
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	(+, -) 0.18
MEAN ROOF HEIGHT (FT)	10'-0"
BUILDING WIDTH (FT)	70'-2"
BUILDING LENGTH (FT)	71'-0"
ROOF SLOPE	5:12
ENCLOSED STRUCTURE	

DOOR SCHEDULE					
ZONE	SYMBOL	DOOR SIZE	TYPE	REMARK	
ZONE 4	①	6'-0" X 8'-0"	ENTRY	EXT.	MAXIMUM POSITIVE PRESSURE (PSF) 35.97
ZONE 5	②	16'-0" X 8'-0"	GARAGE	EXT.	MAXIMUM NEGATIVE PRESSURE (PSF) -45.73
ZONE 4	③	3'-0" X 8'-0"	PANEL	EXT.	MAXIMUM POSITIVE PRESSURE (PSF) 35.97
ZONE 5	④	3'-0" X 8'-0"	PANEL	EXT.	MAXIMUM NEGATIVE PRESSURE (PSF) -46.96
ZONE 4	⑤	6'-0" X 8'-0"	FRENCH	EXT.	MAXIMUM POSITIVE PRESSURE (PSF) 35.97

WINDOW SCHEDULE					
ZONE	SYMBOL/ CODE	WINDOW SIZE	TYPE	MAXIMUM POSITIVE PRESSURE (PSF)	MAXIMUM NEGATIVE PRESSURE (PSF)
ZONE 5	②5	36" X 62"	SINGLE HUNG	37.80	-50.61
ZONE 4	③5	52" X 62"	SINGLE HUNG	37.80	-41.00
ZONE 5	③7	24" X 24"	FIX	37.80	-50.61
ZONE 4	③9	24" X 48"	FIX	37.80	-41.00
ZONE 4	④0	72" X 24"	FIX	37.80	-41.00
ZONE 4	④2	36" X 96"	FIX	37.80	-41.00

ADD 1" WIDTH AND HEIGHT TO WINDOW ROUGH OPENING

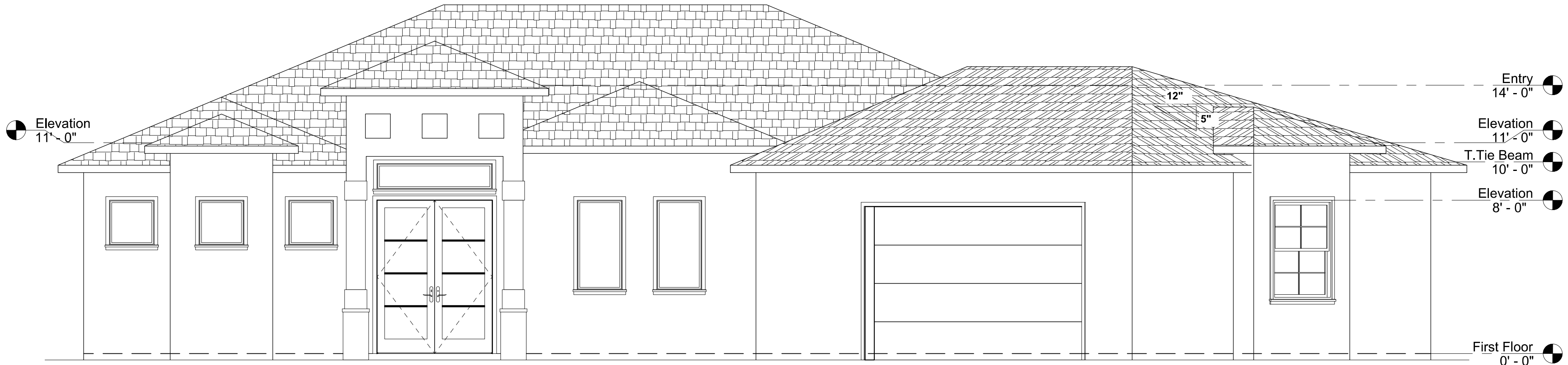


THIS DESIGN HAS BEEN PREPARED UNDER SUPERVISION, DIRECTION AND CONTROL BY:

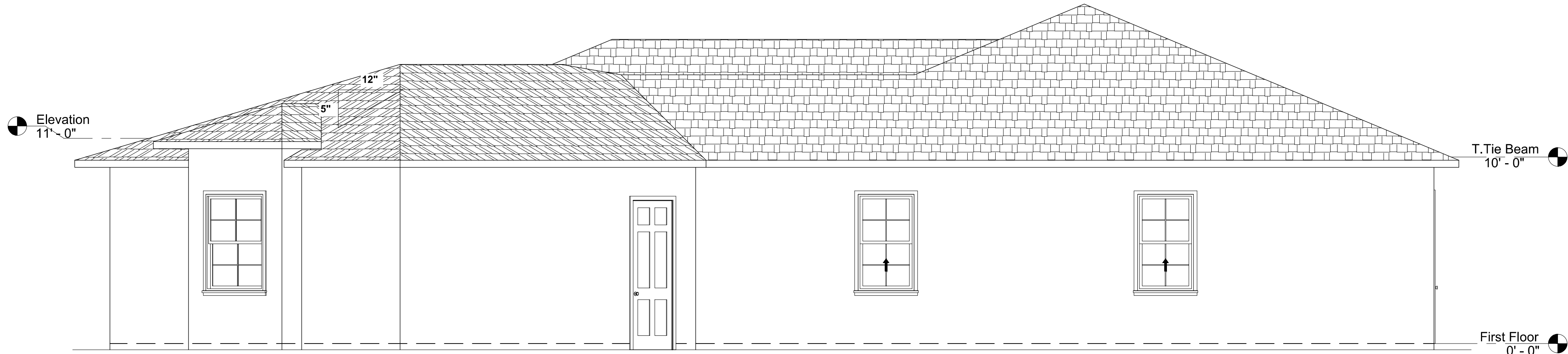
RDA CONSULTING ENGINEERS, LLC.
CERTIFICATE OF AUTHORITY: 31149
RONNY DE AZA, PE
LIC NO. 78411

3606 ENTERPRISE AVE, SUITE 251
NAPLES, FLORIDA 34104
P. 239-302-3280 F. 239-302-3281
ronnydeaza@rdafl.com

FOUNDATION/GROUND FLOOR NOTES
1. FLOOR SLAB IS A 4" CONC. SLAB-ON-GRADE (fc=3000 psi) WITH 6 X 6 W1.4 X W1.4 W.W.F. @ MID-DEPTH (NOT SHOWN) ON WELL COMPACTED & TREATED SOIL OVER 6 MIL. VAPOR BARRIER. REFER TO DETAIL. SOIL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR PER ASTM D 1557 IN LIFTS NOT TO EXCEED 12".
2. FOUNDATIONS ARE DESIGNED FOR 3000 PSF. GENERAL CONTRACTOR SHALL VERIFY THE VALIDITY OF THIS ASSUMPTION.
3. CENTER OF LOAD SHALL COINCIDE WITH CENTER OF FOOTING U.N.O.
4. ALL CONCRETE TO HAVE A MINIMUM 3000 PSI COMPRESSIVE STRENGTH WITH THE WATER/CEMENT RATIO OF 0.5 MAXIMUM.
5. • INDICATES ADDITIONAL #5 IN CMU WALLS.
6. REFER TO ARCHITECTURE PLANS FOR ALL DIMENSIONS.
7. ALL REINFORCEMENT SHALL BE GRADE 60.
8. BUILDING PAD SHALL BE COMPACTED 5'-0" EACH SIDE OF THE BUILDING AND SLOPE AT 30 DEGREES TO GRADE. FOOTING SHALL EMBED AT LEAST 12". IF THESE CONDITIONS CAN NOT BE MET, THE BUILDING SHALL BE ON STEM WALL FOUNDATION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
9. SOIL SHALL BE TREATED FOR TERMITE PROTECTION AS PER SECTION R318 OF F.B.C. 6TH EDITION 2017.

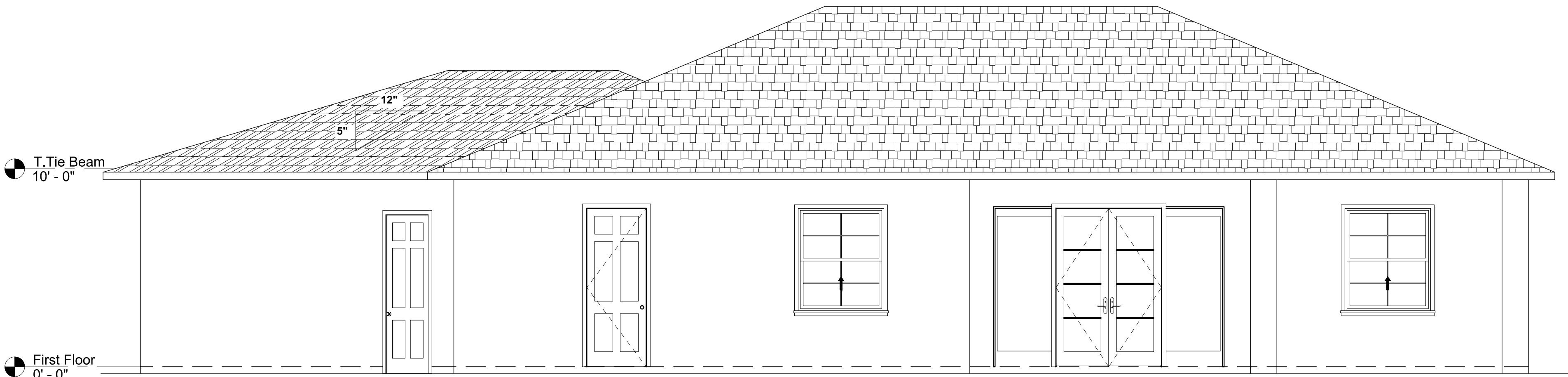


FRONT ELEVATION
SCALE 1/4" = 1'-0"

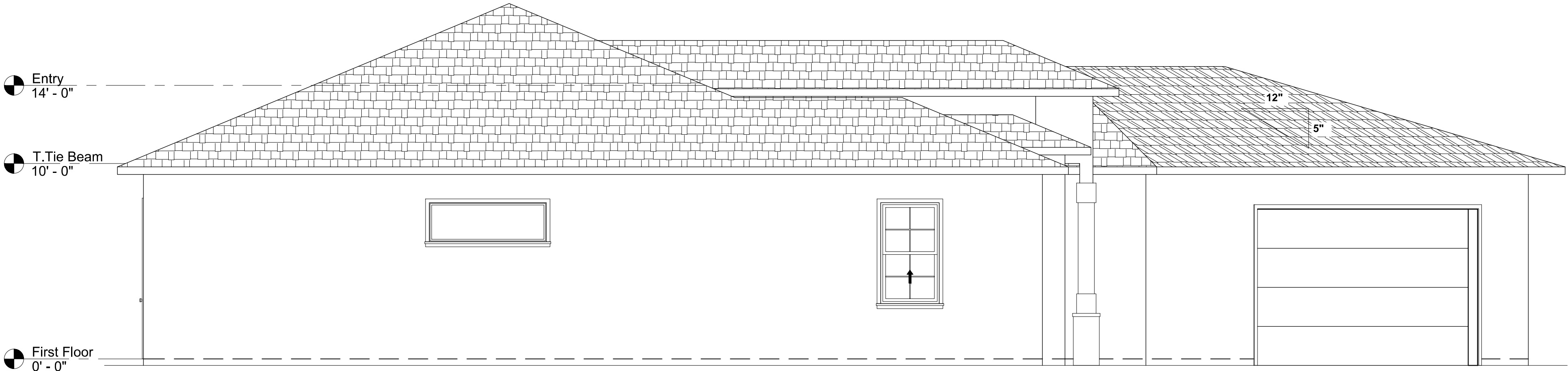


RIGHT ELEVATION
SCALE 1/4" = 1'-0"

MASONRY WALL REINFORCEMENT CEMENT
1. WALL REINFORCEMENT SHALL BE DOVELED FROM FOUNDATION AND BE CONTINUOUS THROUGH SOLID GROUTED CELLS AND BE HOOKED OVER TOP REINFORCEMENT OF UPPER BEAMS. MINIMUM LAP SPLICE SHALL BE 48 BAR DIAMETERS. FOR HORIZONTAL WALL REINFORCEMENT, @ EVERY OTHER COURSE.
2. WALL REINFORCEMENT IS FOLLOWS : #5 @ 48" O.C. PROVIDE 1 #5 AT ALL WALL INTERSECTIONS, CORNERS, AND EACH SIDE OF OPENINGS AND 2 #5 EACH SIDE OF OPENINGS LARGER THAN 6'-0".
3. WALL SEGMENT BELOW AND ABOVE THE OPENINGS SHALL BE REINFORCED SAME AS WALL.
4. MASONRY GROUT = 2500 P.S.I.
5. MASONRY WALL COMPRESSIVE STRENGTH OF F'm = 1500 P.S.I.
6. MORTAR TYPE M OR S WITH 1900 P.S.I COMPRESSIVE STRENGTH.



REAR ELEVATION
SCALE 1/4" = 1'-0"



LEFT ELEVATION
SCALE 1/4" = 1'-0"

THIS DESIGN HAS BEEN PREPARED UNDER SUPERVISION,
DIRECTION AND CONTROL BY:

RDA CONSULTING ENGINEERS, LLC.
CERTIFICATE OF AUTHORITY: 31149
RONNY DE AZA, PE
LIC NO. 78411

3606 ENTERPRISE AVE, SUITE 251
NAPLES, FLORIDA 34104
P. 239-302-3280 F. 239-302-3281
ronnydeaza@rdafl.com