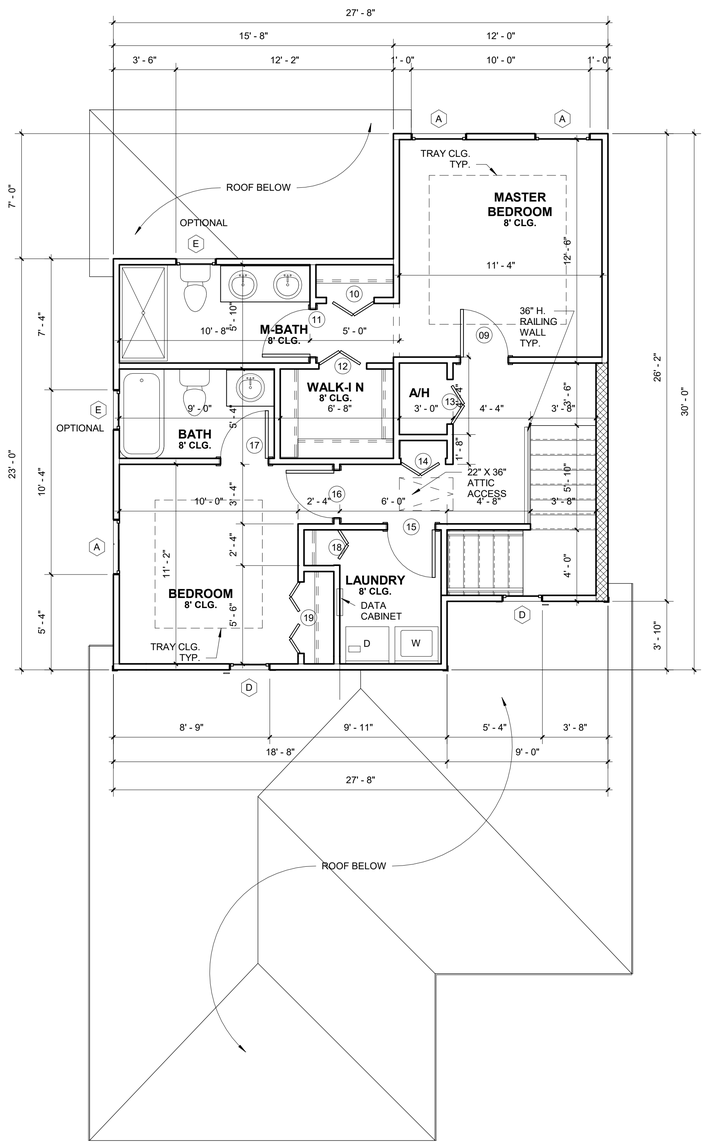


3 2ND FLOOR
1/4" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
W.I.C.	WALK IN CLOSET
EEW	EMERGENCY EGRESS WINDOW
SAGL	SAFETY GLASS
SH	SINGLE HUNG
AFF	ABOVE FINISH FLOOR
SWS	SHEAR WALL SECTION (ALL EXTERIOR WALLS EXTERIOR ARE SHEAR WALLS - REFER TO AD-3 FOR DETAIL

AREA CALCULATIONS	
1ST LIVING	957 SF
2ND LIVING	675 SF
TOTAL LIVING:	1,632 SF
FRONT PORCH:	100 SF
GARAGE:	252 SF
LANAI:	110 SF
TOTAL BUILDING:	2,094 SF

WALL LEGEND
- BLOCK WALL
- 4" FRAME WALL
- 6" FRAME WALL
- 8" FRAME WALL
- SHEAR WALL SEGMENT

WINDOWS & DOORS NOTES

1- EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMMA/NWWDA 101/IS2 STANDARD AND BEAR AN AMMA OR WDMA LABEL IDENTIFYING THE MANUFACTURER PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT TESTING AGENCY.

2- WINDOWS AND DOORS SHALL BE ANCHORED PER MANUFACTURER SPECIFICATIONS AND AS INDICATED TO ACHIEVE SPECIFIED DESIGN PRESSURE.

3- DESIGN PRESSURE FOR WINDOW AND DOOR ASSEMBLIES SHALL BE 35 PSF. MIN.S

4- WINDOWS AND GLASS DOORS SHALL BE AS MFG. BY A FLORIDA APPROVED MFG.

5- REFER TO SHEET AD-2 FOR PRECAST LINTEL TYPES.

6- REFER TO SHEET AD-2 FOR MASONRY LINTEL SCHEDULE.

NOTE.- PROVIDE RESIDENTIAL GRADE HARDWARE AS APPROVED BY OWNER & IN COMPLIANCE WITH CODE & ADA
- INTERIOR DOORS TO BE 6 PANEL DOORS UNLESS NOTED OTHERWISE
- EXTERIOR DOORS TO BE METAL OR FIBERGLASS, INSULATED & WITH
- WEATHERSTRIPPING
- DOORS & WINDOWS TO BE APPROVED BY OWNER BEFORE ORDERING

GENERAL NOTES:

1. A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTOR'S USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRECHED FROM MARKER TO VERIFY REQUIRED SETBACKS.
2. ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETES, INSPECTED, AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION. "FBC 105.6".

DOOR SCHEDULE

NO	DOOR TYPE	WIDTH	HEIGHT	DOOR LINTEL	NOTES
01	F	3' - 0"	6' - 8"	L-3	SAGL, IMPACT RESISTANT
02	2P	2' - 6"	6' - 8"	-	
03	2P	2' - 6"	6' - 8"	-	
04	2P	2' - 8"	6' - 8"	-	
05	2P	2' - 6"	6' - 8"	-	
06	BF	6' - 0"	6' - 8"		
07	F	3' - 0"	6' - 8"	L-3	SAGL, IMPACT RESISTANT
08	GD	9' - 0"	8' - 0"	L-8	IMPACT RESISTANT
09	2P	2' - 8"	6' - 8"	-	
10	BF	2' - 8"	6' - 8"		
11	2P	2' - 8"	6' - 8"	-	
12	BF	2' - 8"	6' - 8"		
13	BF	2' - 6"	6' - 8"		
14	BF	2' - 6"	6' - 8"		
15	2P	2' - 8"	6' - 8"	-	
16	2P	2' - 8"	6' - 8"	-	
17	2P	2' - 8"	6' - 8"	-	
18	BF	2' - 0"	6' - 8"		
19	BF	4' - 0"	6' - 8"		

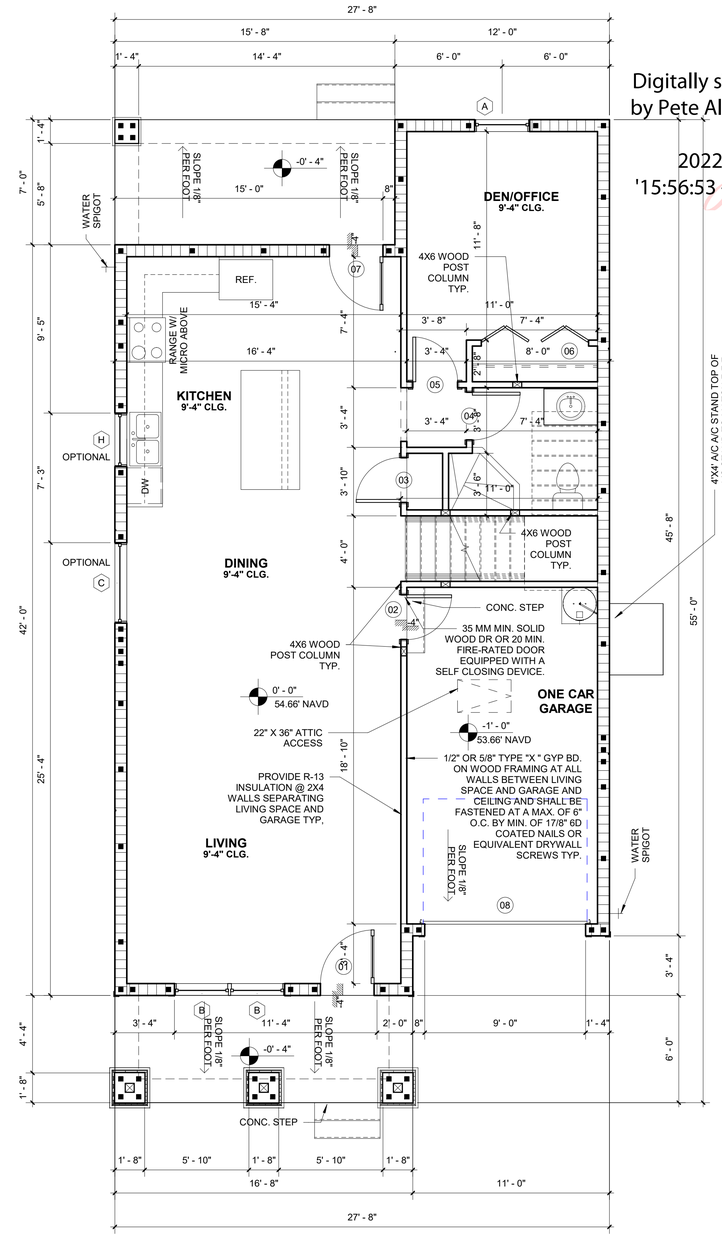
LEGEND:
DOOR TYPE:
F = FRENCH
BD= BARN DOOR
2P= 2 PANEL
P= PAINT
AL= ALUMINUM

M= METAL
WD= WOOD
PD= POCKET DOOR
GS= GLASS SLIDING
GD= GARAGE DOOR

FRAME TYPE:
HM= METAL
WD= WOOD
AL= ALUMINUM

WINDOW SHCEDULE

Type Mark	QTY	Width	Height	PC LINTEL	WALL TYPE	REMARKS
A		3' - 1"	5' - 3"	L-19	MASONRY/FRAME	EGRESS,SH IMPACT RESISTANT
B	-	3' - 1"	5' - 3"	L-19	MASONRY/FRAME	SAGL, SH IMPACT RESISTANT
C		4' - 6"	5' - 3"	L-23	MASONRY/FRAME	EGRESS, SH IMPACT RESISTANT
D	-	2' - 3"	2' - 3"	L-17	FRAME	SAGL
E		2' - 3"	3' - 2"	L-19	MASONRY/FRAME	EGRESS,SH IMPACT RESISTANT
H		3' - 0"	4' - 0"	L-19	MASONRY/FRAME	SAGL, SH IMPACT RESISTANT



1 FLOOR PLAN
1/4" = 1'-0"

Revision Schedule

#	Date	Description

Digitally signed by Pete Alfonso
Date: 2022.12.29 '15:56:53 -05'00

STATE OF FLORIDA — PETE ALFONSO JR. — AR0008755 — REGISTERED ARCHITECT

This has been electronically signed and sealed by Pete Alfonso Jr. Architect 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.

PETE ALFONSO JR. ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic # 8735
1316 W. BUSCH BLVD
Email: Alfonso106@aol.com

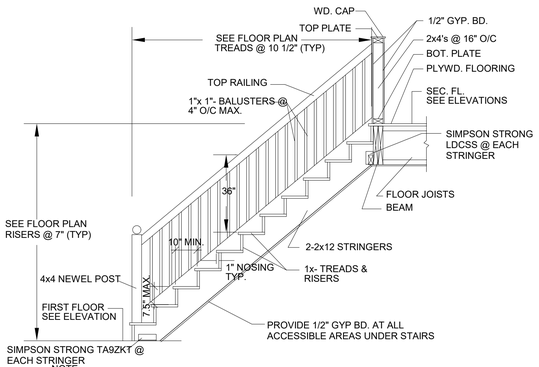
4403 24TH ST. TAMPA, FL FLOOR PLAN

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

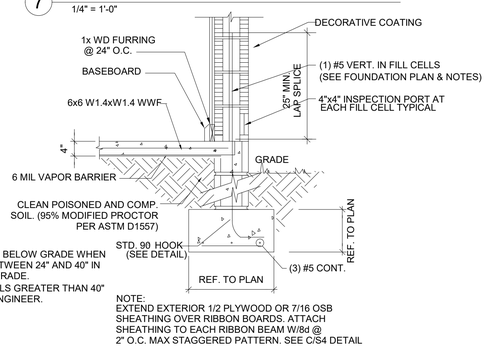
A-1



NOTE:
STAIR DETAILS ON FLOOR PLANS / ELEVATION SHEETS TAKE
PRECEDENCE OVER THE INFORMATION SHOWN ABOVE.

R311.5.6.2
HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGHT OF THE HEIGHT, FROM A POINT DIRECTLY
ABOVE THE TOP RISERS OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT.
HANDRAILS
ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT
TO
A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/2" INCH BETWEEN THE WALL AND THE HADRAILS.

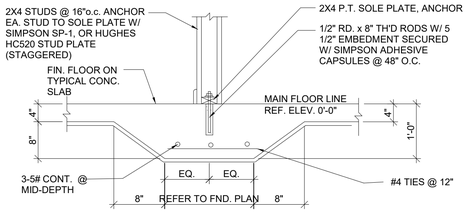
7 TYP. STAIR DETAIL
1/4" = 1'-0"



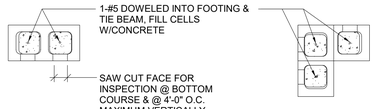
NOTE:
1. FILL ALL CELLS BELOW GRADE WHEN STEMWALL IS BETWEEN 24" AND 40" IN HEIGHT ABOVE GRADE.
2. FOR STEM WALLS GREATER THAN 40" HIGH CONSULT ENGINEER.

NOTE:
EXTEND EXTERIOR 1/2 PLYWOOD OR 7/16 OSB SHEATHING OVER RIBBON BOARDS. ATTACH SHEATHING TO EACH RIBBON BEAM W/8d @ 2" O.C. MAX STAGGERED PATTERN. SEE C/S4 DETAIL

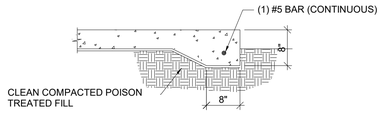
3 Copy of TYP. STEM WALL DETAIL
3/4" = 1'-0"



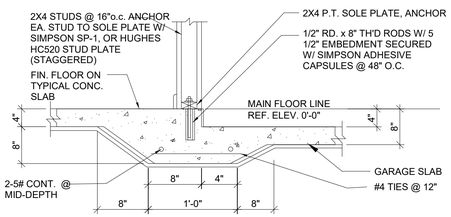
8 TYP. INTERIOR BEARING WALL DETAIL
3/4" = 1'-0"



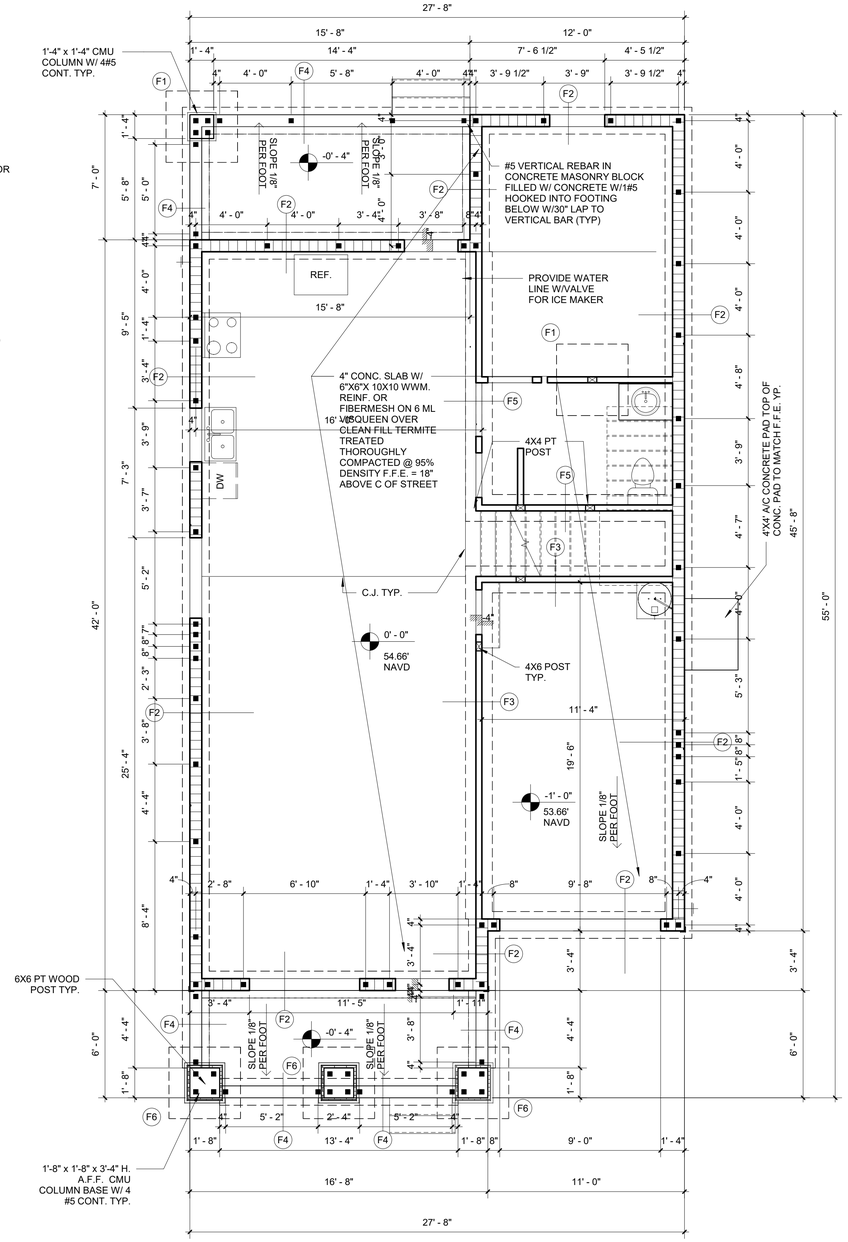
2 TYP. CMU DETAIL
3/4" = 1'-0"



4 CONCRETE SLAB EDGE DETAIL
3/4" = 1'-0"



5 TYP. GARAGE BEARING WALL DETAIL
3/4" = 1'-0"



1 FOUNDATION PLAN
1/4" = 1'-0"

FOUNDATION NOTES	
NUMBER	DESCRIPTION
F1	38"X38"X15" CONCRETE FOOTING W/ #5 BAR @ 6"O.C. EACH WAY.
F2	24"X12" CONTINUOUS CONCRETE FOOTING W/ (3) #5 BAR EXTERIRLOAD BEARING WALL ABOVE.
F3	24"X12" CONTINUOUS CONCRETE FOOTING W/ (3) #5 BAR GARAGE INTERIOR LOAD BEARING WALL ABOVE.
F4	REFER TO CONC. SLAB EDGE DETAIL
F5	24"X12" CONTINUOUS CONCRETE FOOTING W/ (3) #5 BAR INTERIOR LOAD BEARING WALL ABOVE.
F6	30"X30"X15" CONCRETE FOOTING W/ #5 BAR @ 6"O.C. EACH WAY.

Revision Schedule		
#	Date	Description

PETE ALFONSO JR.
ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic # 8735
1316 W. BUSCH BLVD
Email: Alfonso109@aol.com

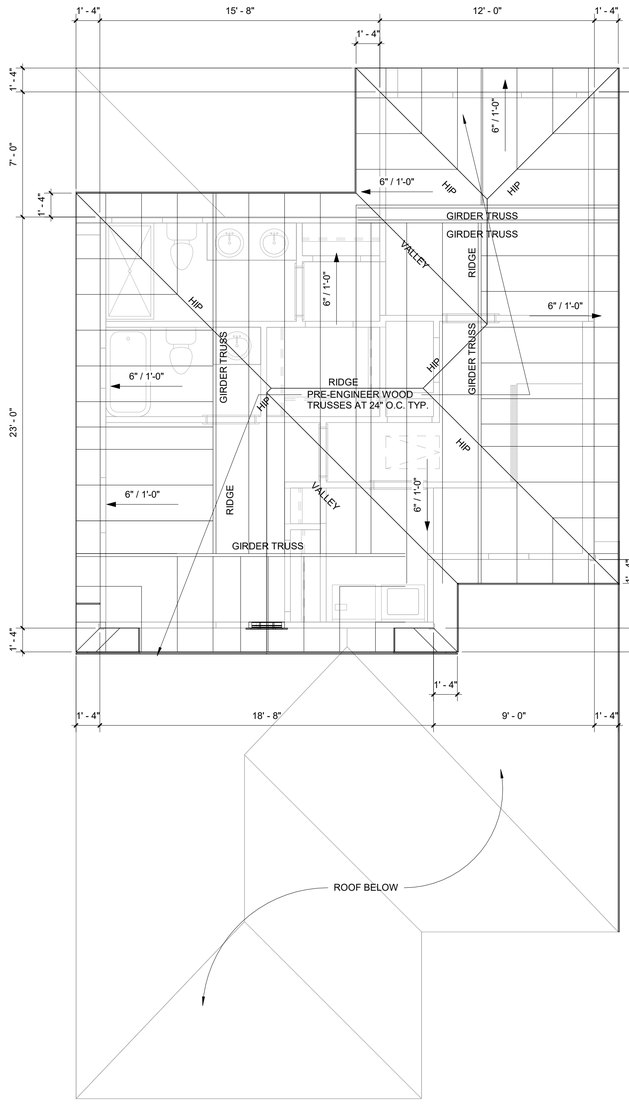
4403 24TH ST.
TAMPA, FL
FOUNDATION PLAN

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

A-2



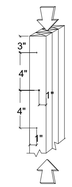
1 ROOF PLAN
1/4" = 1'-0"

NOTE:
INFORMATION PRESENTED IN THIS LAYOUT IS ONLY TO CONVEY THE DESIGNER'S INTENT. FINAL ROOF FRAMING PLANS (INCLUDING PERMANENT SUPPORTS) MUST BE ENGINEERED BY THE TRUSS SUPPLIER.

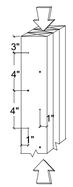
SHEATHING AND NAILING SCHEDULE			
AREA	SHEATHING	NAIL SIZE	SPACING
FLOORS	23/32 (3/4") STURD T&G GLUED EXP-1	10d SPIRAL OR RING SHANK	6" O/C EDGES 6" O/C FIELD
* WALLS	15/32 (1/2") EXP-1 MINIMUN 4 PLY	8d COMMON	4" O/C EDGES 12" O/C FIELD
ROOF	15/32 (1/2") EXP-1 4 PLY MINIMUN	8d COMMON	6" O/C EDGES 6" O/C FIELD ** 4" O/C

NOTES:
** NAIL ROOF @ 4" O/C WITHIN 48" OF ALL ROOF EDGES AND HIPS.
* WALLS ARE TO HAVE BLOCKING AT ALL PANEL EDGES
* WALL SHEATHING IS TO BE NAILED INTO BOTH TOP PLATES (2-ROWS @4" O/C)

OPTIONAL OSB STRUCTURAL



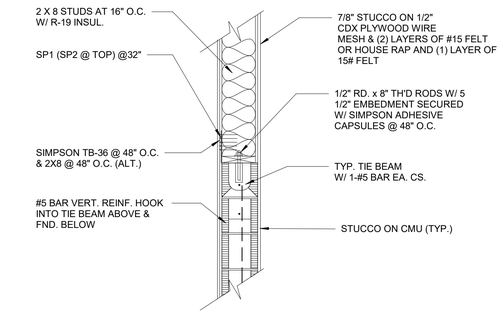
2"x 4" COLUMNS W/ (1) ROW OF STAGGERED 16d COMMON WIRE NAILS (D = 0.162", L = 3 1/2")



2"x 6" OR 2"x 8" COLUMNS W/ (2) ROWS OF STAGGERED 16d COMMON WIRE NAILS (D = 0.162", L = 3 1/2")

NOTES:
1) ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN
2) ALL NAILS PENETRATE AT LEAST 3/4 OF THE THICKNESS OF THE LAST LAMINATION
3) FOR 3-PLY, COLUMN SHALL BE NAILED AS SHOWN FROM EACH SIDE (ONE INTO EACH OUTSIDE FACE OF B.U.C., SAME NUMBER OF ROWS, SAME SPACING)
4) FOR 4-PLY, PROVIDE 1/4" DIA. x 5 1/2" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
5) FOR 5-PLY, PROVIDE 1/4" DIA. x 7" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
6) REFER TO NDS SECTION 15.3 FOR ADDITIONAL INFORMATION

4 TYP. JACK POST NAILING DETAIL
1/4" = 1'-0"



5 WALL DETAIL @ STAIR
3/4" = 1'-0"

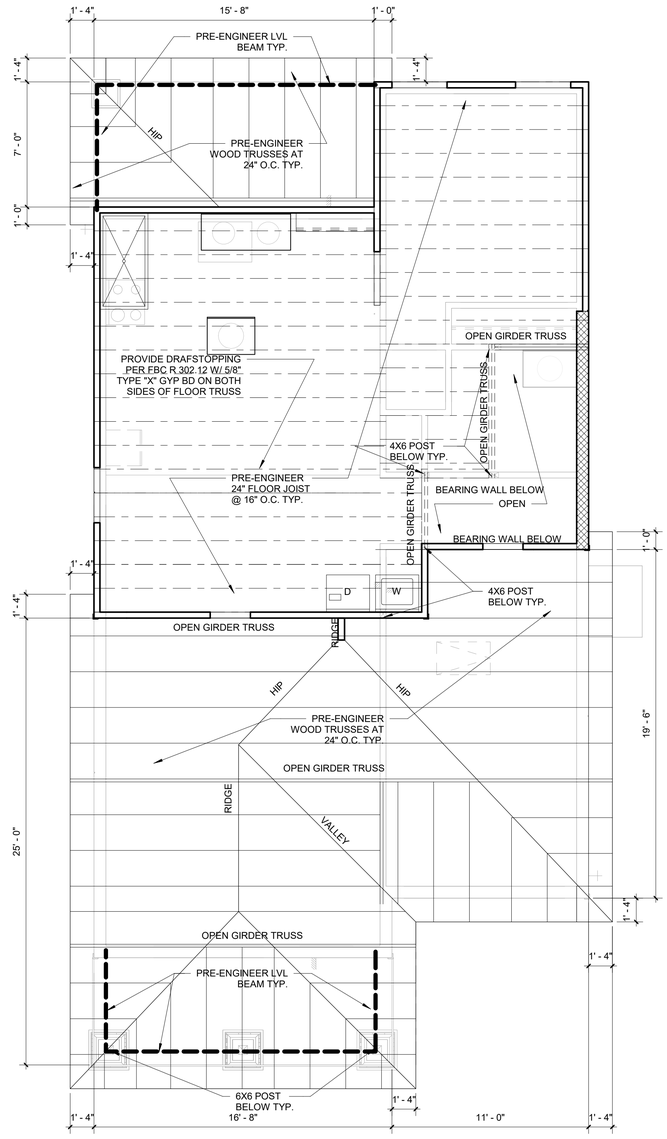
ROOF VENTILATION (MAIN HOUSE)
CALCULATION PER R806

ATTIC AREA = 1,419 SF

VENTILATION REQ. = 1,419 SF/300=4.73 SF

PROVIDED = 5 SF

NOTE:
CONTRACTOR TO PROVIDE A MINIMUM OF 5 SF OF NET FREE AREA TYP. FOR EACH INDIVIDUAL UNITS.



2 2ND FLOOR FRAMING PLAN
1/4" = 1'-0"

NOTE:
INFORMATION PRESENTED IN THIS LAYOUT IS ONLY TO CONVEY THE DESIGNER'S INTENT. FINAL ROOF FRAMING PLANS (INCLUDING PERMANENT SUPPORTS) MUST BE ENGINEERED BY THE TRUSS SUPPLIER.

Revision Schedule

#	Date	Description

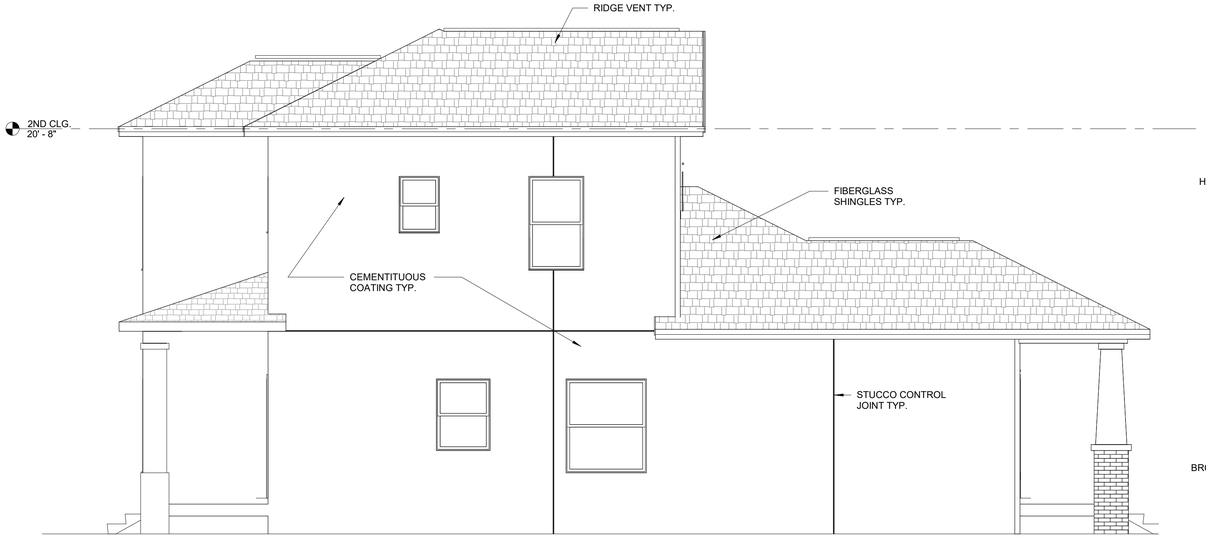
PETE ALFONSO JR. ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic.# 87375
1316 W. BUSCH BLVD
Email: Alfonso169@aol.com

4403 24TH ST. TAMPA, FL ROOF FRAMING PLAN

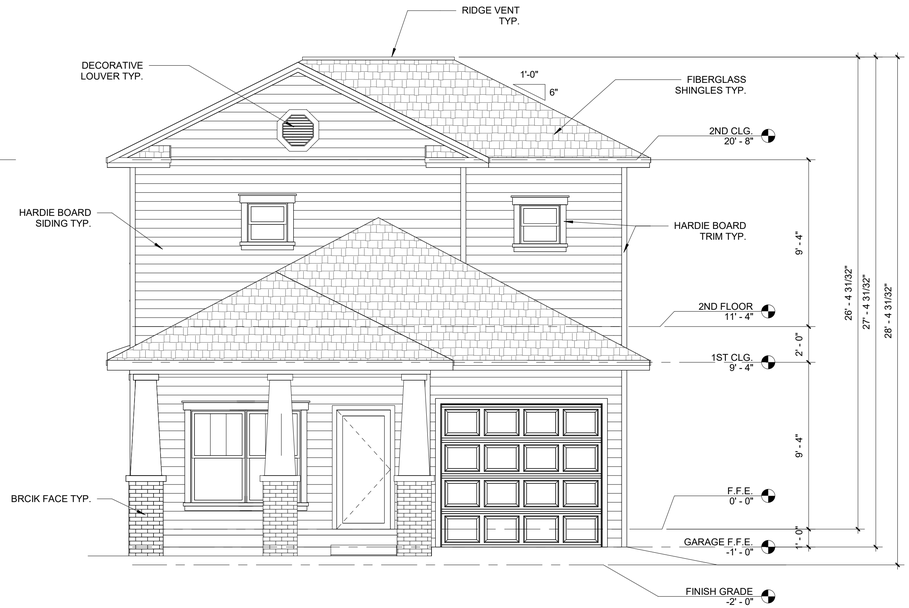
SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

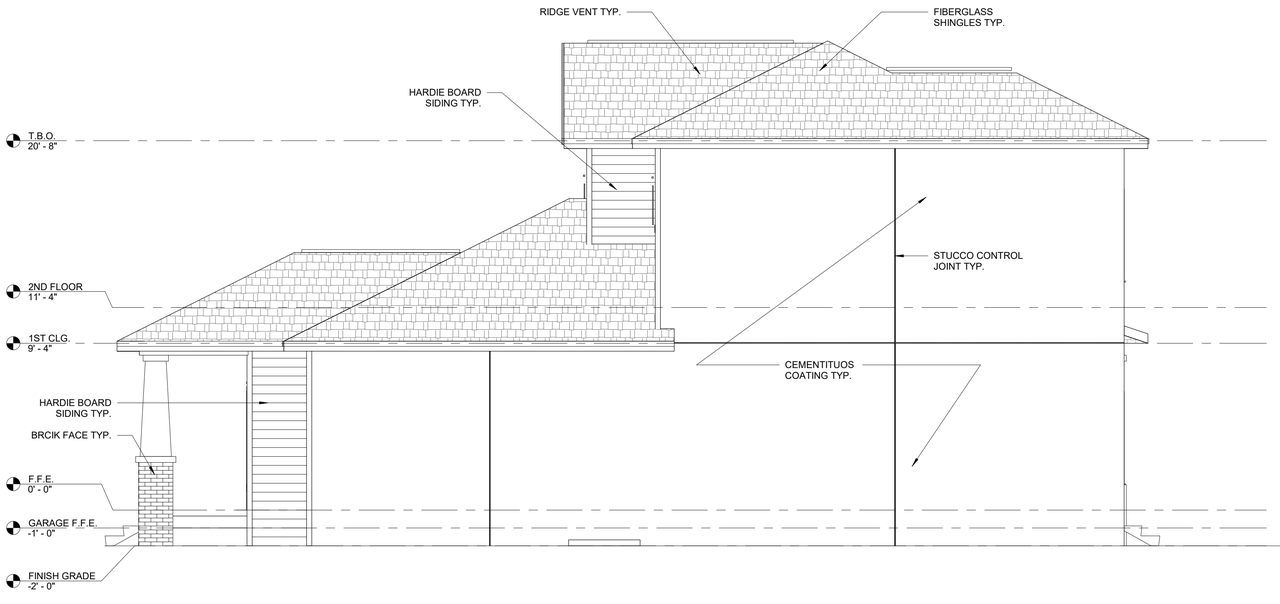
SHEET No.
A-3



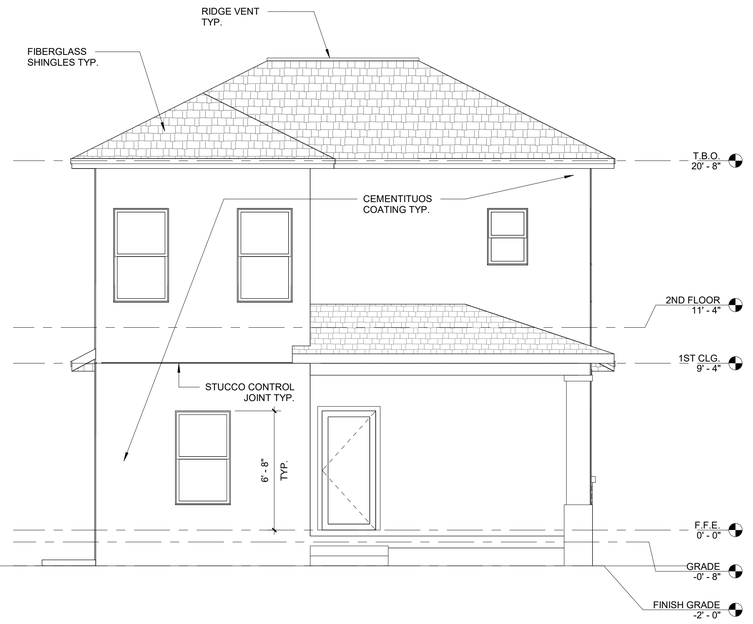
4 LEFT ELEVTION
1/4" = 1'-0"



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



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



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

Revision Schedule

#	Date	Description

PETE ALFONSO JR.
ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic # 8735
1316 W. BUSCH BLVD
Email: Alfonso109@aol.com

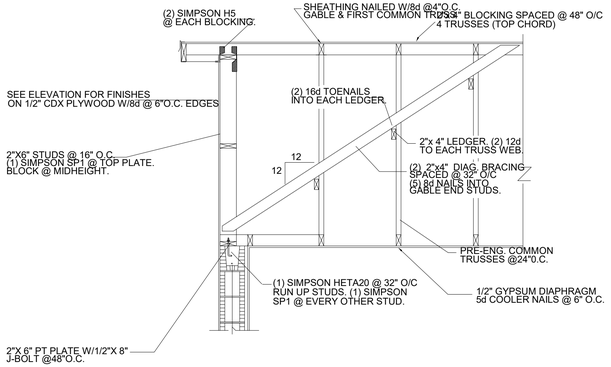
4403 24TH ST. TAMPA, FL EXTERIOR ELEVATIONS

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

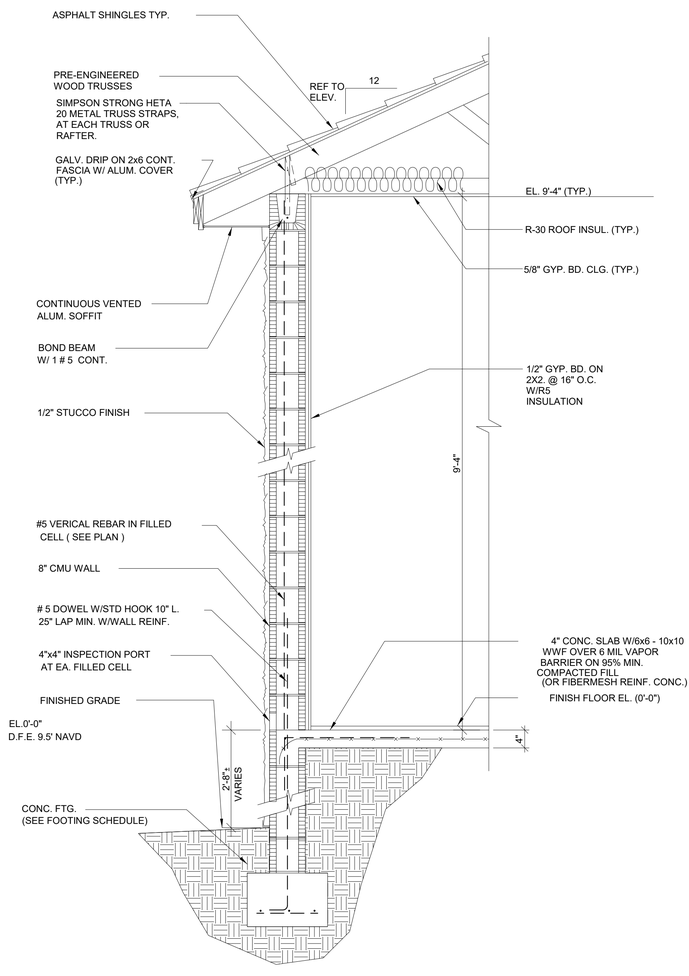
SHEET No.

A-4



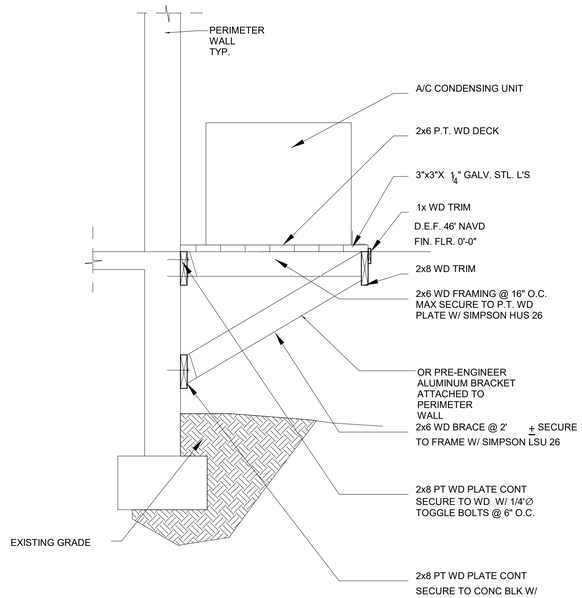
4 GABLE END DETAIL1

1/4" = 1'-0"



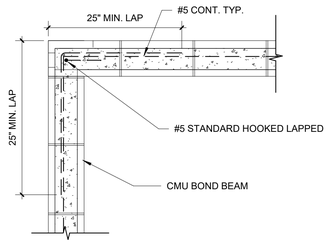
2 TYP ONE STORY SECTION

3/4" = 1'-0"



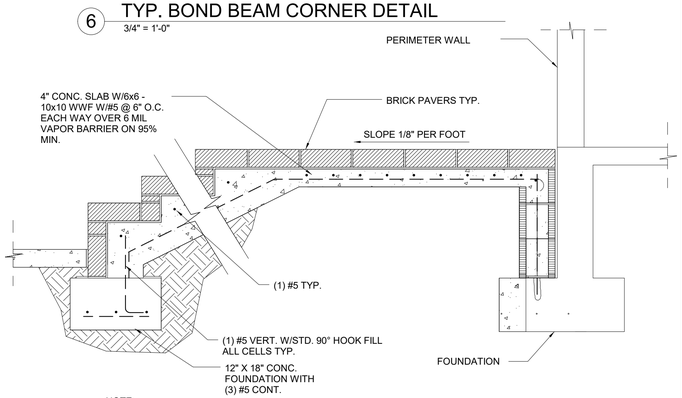
3 A/C STAND

3/4" = 1'-0"



6 TYP. BOND BEAM CORNER DETAIL

3/4" = 1'-0"



NOTE:
STAIR DETAILS ON FLOOR PLANS / ELEVATION SHEETS TAKE PRECEDENCE OVER THE INFORMATION SHOWN ABOVE.

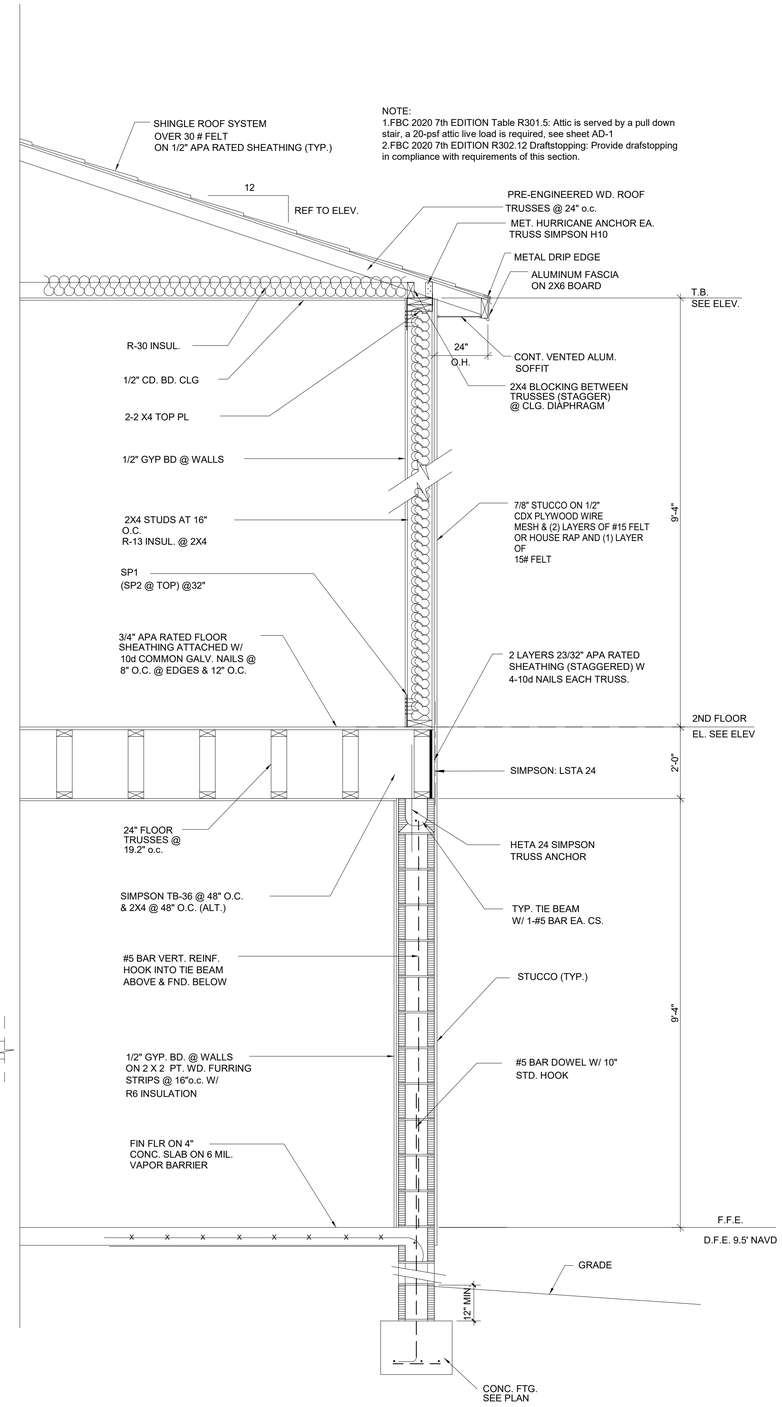
R311.5.6.2
HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGHT OF THE HEIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISERS OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAILS ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/2" INCH BETWEEN THE WALL AND THE HADRAILS.

5 CONC STEPS

3/4" = 1'-0"

NOTE:
1.ALL CONSTRUCTION BELOW THE BASE FLOOD ELEVATION SHALL BE OF FLOOR RESISTANT MATERIALS TYP.
2. ALL MEP EQUIPMENT SHALL BE INSTALLED ON OR ABOVE THE D.F.E.

NOTE:
1.FBC 2020 7th EDITION Table R301.5: Attic is served by a pull down stair, a 20-psf attic live load is required, see sheet AD-1
2.FBC 2020 7th EDITION R302.12 Draftstopping: Provide drafstopping in compliance with requirements of this section.



TYP. SECTION

SCALE:[''=1'-0"

1 TYP 2 STORY WALL SECTION

3/4" = 1'-0"

Revision Schedule

#	Date	Description

PETE ALFONSO JR. ARCHITECT
PH: 813 231-5800
TAMPA, FL 33612
Lic.# 87325
1316 W. BUSCH BLVD
Email: Alfonso108@aol.com

4403 24TH ST. TAMPA, FL SECTIONS

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

A-5

GENERAL STRUCTURAL NOTES

DESIGN BASE ON THE PFLORIDA BUILDING CODE 7th EDITION (2020)-RESIDENTIAL
AND SIGNED AND SEALED BY AN ARCHITECT LICENSED IN THE STATE OF FLORIDA.

1. Concrete shall have a minimum compressive strength of 3000 psi @ 28 days.
2. Steel reinforcement shall have minimum yield strength of 40,000 psi, in accordance with ASTM A-61.5
3. Concrete masonry units shall be hollow load bearing in accordance to ASTM C90 or C145, 1900 psi minimum.
4. Grout shall have 3/8" max. aggregate 8-11 in slump 2000 psi or ASTM C476.
5. Mortar shall have be type M or S in conformance ASTM C270.
6. The outer Foundation bars shall be continuous around corners using corner bars or by bending the bar in accordance with 202.3.4 of the SSTD 10-93. In both cases the minimum bar lap shall be 25". Likewise the bond beam reinforcement shall be continuos around all corners.
7. Attach plywood sheathing to supporting trusses or other framing with common nails as follows:
   a) 4" o.c. along ends of plywood panels.
   b) 6" o.c. along intermediate supports of plywood panels.
8. Provide 4" x 4" cleanest for all concrete filled cells.
9. All structural walls to be # 2 Southern Yellow Pine @ 16" o.c.
10. All girders shall have a minimum of 3-2x4 studs placed directly under the girder and double plates.
11. Pre-manufactured roof trusses to be designed in accordance with the last test TPI design requirements. The truss manufactured is responsible to furnish all reaction loads for dead loads, live loads, and wind loads. Manufacturer to submit truss layout and details signed and by Florida register Engineer.
12. Garage door, windows, and other exterior doors shall withstand the specified wind velocity. Doors and windows manufacturers shall submit data specifying required capacities. These elements shall comply with SBC wind load requirements.
13. All exterior concrete block walls are designed as shear walls or shear wall segments with Dur-a-wall reinforcement every other block as the per segments with Dur-a-wall reinforcement every other block as the per requirements of the National Concrete Masonry Institute.
14. All openings greater than 6 feet to have 1#5 rod on each side of the opening and filled with grout. Openings grater than 12 feet to have 2#5 rods on each side of opening.
15. Contractor to verify all dimensions and conditions in the filled.
16. Any changes to sealed drawings must be approved by the Consulting Engineer or Architect.
17. A foundation survey shall be performed and a copy of the survey shall be on the site for the building inspectors use. Or, all property markers shall be exposed and a string stretched from marker to marker to verify requires setbacks.
18. All Plumbing, Electrical and Mechanical roughens must be complete, inspected and approved before requesting the framing inspection.
19. Provide AFCI'S (arc-fault circuit interrupters in all dwelling unit bedrooms per NEC . article 210-12.

Termite Protection / SECTION R318

R318.1 Termite protection shall be provide by registered termiticides, including soil applied pesticides, baiting systems and pesticides applied to wood, or other approved methods of termite protection labeled for a use as a preventative treatment to new construction. See Section 202,Registered termiticide. Upon the completion of the application of the termite treatment, a Certification of Compliance shall be issued to the Building Department by the licensed pest control company that contains the following statement,"The building has received a complete treatment by the prevention of subterranean termites. Treatment is in accordance with the rules and laws established by the Florida Department of Agriculture and consumer Service.

R318.1.1 If soil treatment is used for subterranean termite protection, the initial chemical soil treatment inside the foundation perimeter shall be done after all excavation, backfilling and compaction is completed.

R318.1.2. If soil treatment is used for subterranean termite protection, soil area disturbed after initial chemical soil treatment shall be retreated with a chemical soil treatment, including spaces boxed or formed.

R318.1.3. If soil treatment is used for subterranean termite protection, space in concrete floors boxes out or formed for the subsequent installation of plumbing traps,drains or any other purpose shall be created by using plastic or metal permanently place forms of sufficient depth to eliminate any planned soil disturbance after initial chemical soil treatment.

R318.1.4 If soil treatment is used for subterranean termite protection, chemically treated soil shall be protected with a minimum 6 mil vapor retarder to protect against rainfall dilution. If rainfall occurs before vapor retarder placement, retreatment is required. Any work, including placement of reinforcing steel, done after chemical treatment until the concrete floor is poured, shall be done in such manner as to avoid penetrating or disturbing treated soil.

R318.1.5. If soil treatment is used for subterranean termite protection,concrete overpour or mortar accumulated along the exterior foundation perimeter shall be removed prior to exterior chemical soil treatment, to enhance vertical penetration to the chemicals.

R318.1.6. If soil treatment is used for subterranean termite protection, chemical soil treatments shall also be applied under all exterior concrete or grade within 1 foot (305mm.) of the the primary structure sidewalls. Also, a vertical chemical barrier shall be applied promptly after construction is completed, including initial landscaping and irrigation/sprinkler installation. Any soil disturbed after the chemical vertical barrier is applied shall be promptly retreated.

R318.1.7 If a registered termiticide formulated and registered as a bait system is used for subterranean termite prevention, Section R318.1.1 thorough Section R318.1.6. do not applied, however, a signed contract assuring the installation, maintenance and monitoring of the baiting system that is in compliance with the requirements of chapter 482 Florida Statues, shall be provided to the building official prior to the pouring of the slab, and the system must be installed prior to final building approval. If the baiting system directions for use required a monitoring phase prior to installation of the pesticide active ingredient, the installation of the monitoring phase components shall be deemed to constitute installation of the system.

R318.1.8 If a registered termiticide formulated and registered as a wood treatment is used for subterranean termite prevention. Sections R318.1.1 through R318.1.6. do not apply. Application of the wood treatment termiticide shall be as required by label directions for used, and must be completed prior to final building approval.

R318.2 PENETRATION. Protective sleeves around piping penetrating concrete slab-on-grade floors shall not be of cellulose-containing materials. If soil treatment is used for subterranean termite protection, the sleeve shall have a maximum wall thickness of 0.010 inch (0.25mm) and to be sealed with the slab using a non corrosive clamping device to eliminate the annular space between the pipe and the sleeve. No termiticides shall be applied inside the sleeve.

R318.3 CLEANING. Cells and cavities in masonry units and air gaps between brick, stone or masonry veneers and the structure shall be cleaned of all non preservative-treated or non-naturally durable wood, or other cellulose-containing material prior concrete placement.
Exception: Inorganic material manufactured for closing cells in foundation concrete masonry unit construction or clean earth fill placed in concrete masonry unit voids below slab level before termite is performed.

R318.4 CONCRETE BEARING LEDGE. Bricks, stone, or other veneer shall be supported by a concrete bearing ledge at least equal to the total thickness of the brick, stone, or other veneer, which is poured integrally with the concrete foundation. No supplemental concrete foundation pours which will create a hidden cold joint shall be used without supplemental treatment in the foundation unless there is an approved physical barrier. An approved physical barrier shall also be installed from below the wall sill plate or first block course horizontally to embed in a mortal joint. If masonry veneer extends below grade, a termite protective treatment must be applied to the cavity created between the veneer and the foundation, in lieu of a physical barrier.
Exception: Veneer supported by a structural member secure to the foundation sidewall in accordance with ACI350/ASCE 5/TMS 402 provide at least a 6 inch(152mm) clear inspection space of the foundation sidewall exterior exists between the veneer and the top of any soil, sod, much or other organic landscaping component, deck, apron,porch, walk or any other work immediately adjacent to adjoining the structure.
R318.5 Protection against decay and termites. Condensate lines, irrigation/sprinkler system risers for spray heads, and roof downspouts shall discharge at least 1 foot(305 mm) away from the structure sidewalk, whether by underground piping, tail extension or splash blocks. Gutters with downspouts are required on all buildings with eaves of less than 6in (152mm) horizontal protection except for gable and rakes or on a roof above anther roof.

STRUCTURAL DESIGN CRITERIA

FLORIDA BUILDING CODE 7th EDITION (2020)-RESIDENTIAL

DESIGN WIND VELOCITY ______ 150-MPH
DESIGNED FOR 3 SECOND GUST
IMPORTANCE FACTOR ______ 1.0
RISK CATEGORY ______
BUILDING CATEGORY ______
WIND EXPOSURE ______ B
COMPONENTS AND CLADDING DESIGN WIND PRESSURES: SEE TABLES ON THIS PAGE

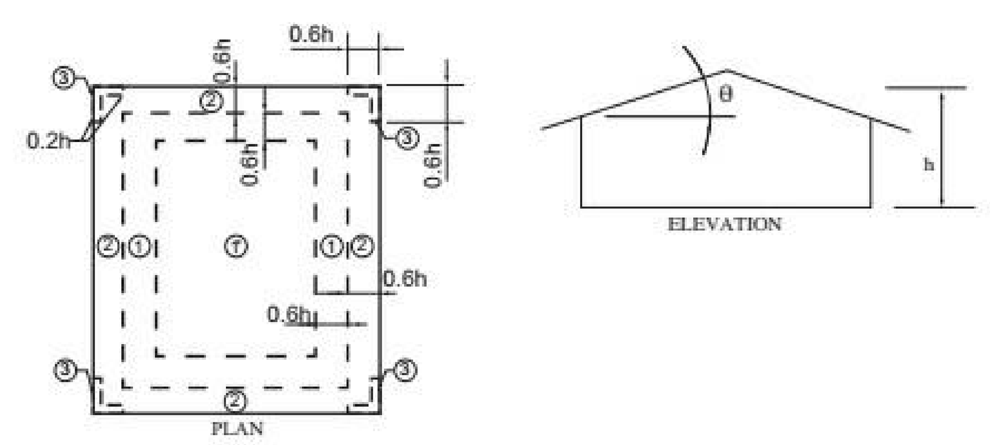
ROOF LIVE LOAD ______ 20 PSF
ROOF DEAD LOAD ______ 11PSF
ATTIC LIVE LOAD ______ 15PSF
FLOOR LIVE LOAD ______ 40PSF
FLOOR DEAD LOAD (WOOD) ______ 20PSF
FLOOR DEAD LOAD (CONC.) ______ 55PSF

CONCRETE (AT 28 DAYS) ______ 3000 PSF

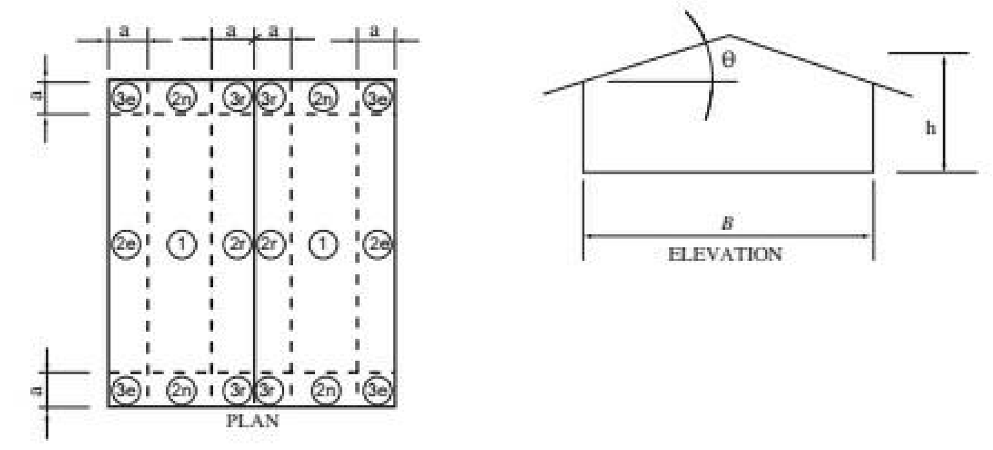
REINFORCING STEEL ______ ASTM AG15 GRADE 60
MINIMUM LAP FOR NO. 4 BARS = 20"
NO. 5 BARS = 25"
NO. 6 BARS = 30"
NO. 7 BARS = 35"
STRUCTURAL STEEL ______ ASTM A-36

LUMBER MINIMUM FLO. ______ 1150
USE (MINIMUM) SOUTHERN PINE NO.2 OR DOUGLAS FIR-LARCH NO.2
FOR ALL STRUCTURES LOAD BEARING OR EXPOSED TO WIND

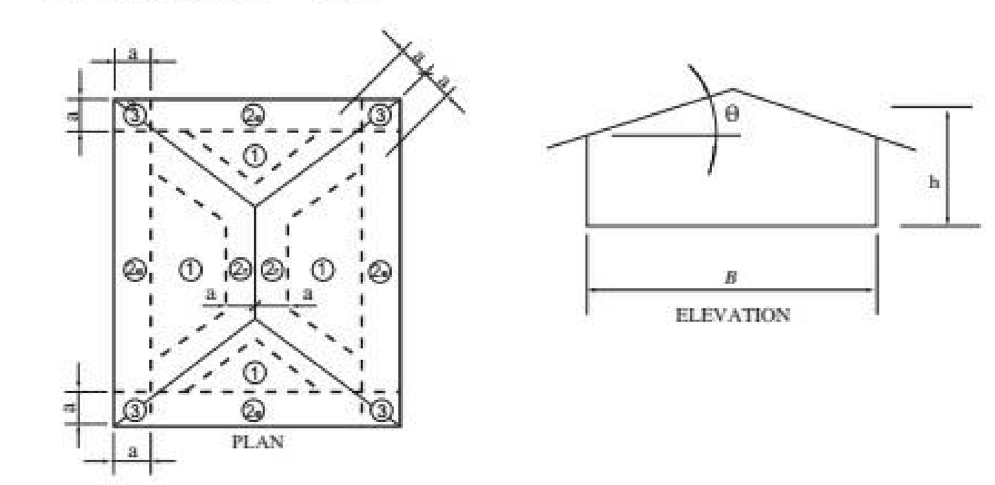
SOIL BEARING PRESSURE (ASSUMED) ______ 2500 psi
TO BE FIELD VERIFIED PRIOR TO PLACING OF FOOTING REINFORCEMENT
OR CONCRETE POUR= NOTIFY DESIGNER IMMEDIATELY IF SOIL FAILS TO
MEETS REQUIREMENTS.
STRUCTURAL DESIGN SHALL BE IN COMPLIANCE WITH THE 2020 FLORIDA BUILDING CODE 7th EDITION -RESIDENTIAL.
ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE-7th EDITION RESIDENTIAL AND LOCAL ORDINANCES AND REGULATIONS.



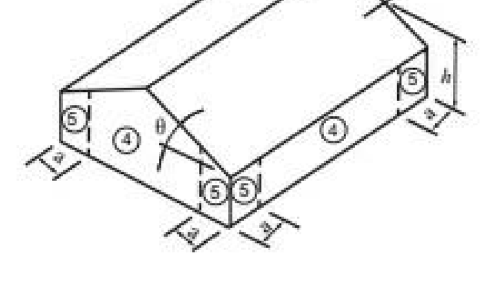
Gable and Flat Roofs θ ≤ 7°



Gable and Flat Roofs 7° < θ ≤ 45°



Hip Roofs 7° < θ ≤ 45°


Walls

☒ THIS BUILDING IS A CLOSE STRUCTURE.
INTERNAL PRESSURE COEFFICIENT 0.18- 3 SECOND GUST

☐ THIS BUILDING IS A PARTIALLY CLOSED STRUCTURE.
INTERNAL PRESSURE COEFFICIENT 0.55±3 SECOND GUST

☐ THIS BUILDING IS AN OPEN STRUCTURE.
INTERNAL PRESSURE COEFFICIENT 0.85- 3 SECOND GUST

TABLE R301.2(2) COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (ASD) (psf)[a, b, c, d, e, f]

	ZONE	EFFECTIVE WIND AREA (ft^2)	ULTIMATE DESIGN WIND SPEED, V_{ULT} (mph)															
			115		120		130		140		150		160		170		180	
			Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
Gable Roof 0 to 7 degrees	1, 1[g]	10	10.0	-22.7	10.0	-24.8	10.0	-29.1	10.0	-33.7	10.0	-38.7	11.2	-44.0	12.7	-49.7	14.2	-55.7
	1, 1[g]	20	10.0	-20.2	10.0	-22.0	10.0	-25.8	10.0	-29.9	10.0	-34.4	10.5	-39.1	11.9	-44.1	13.3	-49.5
	1, 1[g]	50	10.0	-16.8	10.0	-18.3	10.0	-21.5	10.0	-24.9	10.0	-28.6	-29.9	-32.5	10.8	-36.7	12.2	-41.2
	1, 1[g]	100	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.0	-21.2	10.0	-24.3	-29.9	-27.6	10.0	-31.2	11.3	-35.0
	2	10	10.0	-30.0	10.0	-32.7	10.0	-38.3	10.0	-44.5	10.0	-51.0	11.2	-58.1	12.7	-65.6	14.2	-73.5
	2	20	10.0	-26.7	10.0	-29.1	10.0	-34.2	10.0	-39.6	10.0	-45.5	10.5	-51.8	11.9	-58.4	13.3	-65.5
	2	50	10.0	-22.4	10.0	-24.4	10.0	-28.6	10.0	-33.2	10.0	-38.1	-29.9	-43.3	10.8	-48.9	12.2	-54.8
	2	100	10.0	-19.1	10.0	-20.8	10.0	-24.4	10.0	-28.3	10.0	-32.5	10.0	-37.0	10.0	-41.8	11.3	-46.8
	3	10	10.0	-40.9	10.0	-44.5	10.0	-52.2	10.0	-60.6	10.0	-69.6	11.2	-79.1	12.7	-89.4	14.2	-100.2
	3	20	10.0	-34.4	10.0	-37.4	10.0	-43.9	10.0	-50.9	10.0	-58.4	10.5	-66.5	11.9	-75.1	13.3	-84.2
	3	50	10.0	-25.6	10.0	-27.9	10.0	-32.8	10.0	-38.0	10.0	-43.6	10.0	-49.6	10.8	-56.0	12.2	-62.8
	3	100	10.0	-19.1	10.0	-20.8	10.0	-24.4	10.0	-28.3	10.0	-32.5	10.0	-37.0	10.0	-41.8	11.3	-46.8
Gable Roof > 7 to 20 degrees	1, 2e	10	10.6	-26.4	11.6	-28.7	13.6	-33.7	15.8	-39.1	18.1	-44.9	20.6	-51.0	23.3	-57.6	26.1	-64.6
	1, 2e	20	10.0	-26.4	10.0	-28.7	11.7	-33.7	13.6	-39.1	15.6	-44.9	17.8	-51.0	20.1	-57.6	22.5	-64.6
	1, 2e	50	10.0	-16.1	10.0	-17.5	10.0	-20.6	10.8	-23.8	12.3	-27.4	14.0	-31.1	15.9	-35.2	17.8	-39.4
	1, 2e	100	10.0	-8.2	10.0	-9.0	10.0	-10.5	10.0	-12.2	10.0	-14.0	11.2	-15.9	12.7	-18.0	14.2	-20.2
	2n, 2r, 3e	10	10.6	-38.5	11.6	-41.9	13.6	-49.2	15.8	-57.0	18.1	-65.4	20.6	-74.5	23.3	-84.1	26.1	-94.2
	2n, 2r, 3e	20	10.0	-33.2	10.0	-36.2	11.7	-42.4	13.6	-49.2	15.6	-56.5	17.8	-64.3	20.1	-72.6	22.5	-81.4
	2n, 2r, 3e	50	10.0	-26.2	10.0	-28.5	10.0	-33.5	10.8	-38.8	12.3	-44.6	14.0	-50.7	15.9	-57.2	17.8	-64.2
	2n, 2r, 3e	100	10.0	-20.9	10.0	-22.8	10.0	-26.7	10.0	-31.0	10.0	-35.6	11.2	-40.5	12.7	-45.7	14.2	-51.3
	3r	10	10.6	-45.7	11.6	-49.8	13.6	-58.4	15.8	-67.8	18.1	-77.8	20.6	-88.5	23.3	-99.9	26.1	-112.0
	3r	20	10.0	-39.2	10.0	-42.7	11.7	-50.1	13.6	-58.1	15.6	-66.7	17.8	-75.9	20.1	-85.6	22.5	-96.0
	3r	50	10.0	-30.5	10.0	-33.2	10.0	-39.0	10.8	-45.2	12.3	-51.9	14.0	-59.0	15.9	-66.6	17.8	-74.7
	3r	100	10.0	-24.0	10.0	-26.1	10.0	-30.6	10.0	-35.5	10.0	-40.8	11.2	-46.4	12.7	-52.3	14.2	-58.7
Gable Roof > 20 to 27 degrees	1, 2e	10	10.6	-20.3	11.6	-22.1	13.6	-26.0	15.8	-30.1	18.1	-34.6	20.6	-39.3	23.3	-44.4	26.1	-49.8
	1, 2e	20	10.0	-20.3	10.0	-22.1	11.7	-26.0	13.6	-30.1	15.6	-34.6	17.8	-39.3	20.1	-44.4	22.5	-49.8
	1, 2e	50	10.0	-17.3	10.0	-18.8	10.0	-22.1	10.8	-25.6	12.3	-29.4	14.0	-33.5	15.9	-37.8	17.8	-42.4
	1, 2e	100	10.0	-14.9	10.0	-16.2	10.0	-19.0	10.0	-22.1	10.0	-25.3	11.2	-28.8	12.7	-32.5	14.2	-36.5
	2n, 2r, 3e	10	10.6	-32.4	11.6	-35.3	13.6	-41.4	15.8	-48.0	18.1	-55.2	20.6	-62.8	23.3	-70.8	26.1	-79.4
	2n, 2r, 3e	20	10.0	-28.4	10.0	-31.0	11.7	-36.3	13.6	-42.1	15.6	-48.4	17.8	-55.0	20.1	-62.1	22.5	-69.6
	2n, 2r, 3e	50	10.0	-23.1	10.0	-25.2	10.0	-29.5	10.8	-34.2	12.3	-39.3	14.0	-44.7	15.9	-50.5	17.8	-56.6
	2n, 2r, 3e	100	10.0	-19.1	10.0	-20.8	10.0	-24.4	10.0	-28.3	10.0	-32.5	11.2	-37.0	12.7	-41.8	14.2	-46.8
	3r	10	10.6	-38.5	11.6	-41.9	13.6	-49.2	15.8	-57.0	18.1	-65.4	20.6	-74.5	23.3	-84.1	26.1	-94.2
	3r	20	10.0	-32.4	10.0	-35.3	11.7	-41.4	13.6	-48.0	15.6	-55.2	17.8	-62.8	20.1	-70.8	22.5	-79.4
	3r	50	10.0	-24.0	10.0	-26.1	10.0	-30.6	10.8	-35.5	12.3	-40.8	14.0	-46.4	15.9	-52.3	17.8	-58.7
	3r	100	10.0	-24.0	10.0	-26.1	10.0	-30.6	10.0	-35.5	10.0	-40.8	11.2	-46.4	12.7	-52.3	14.2	-58.7
Gable Roof > 27 to 45 degrees	1, 2e, 2r	10	13.1	-24.0	14.2	-26.1	16.7	-30.6	19.4	-35.5	22.2	-40.8	25.3	-46.4	28.5	-52.3	32.0	-58.7
	1, 2e, 2r	20	11.6	-20.3	12.6	-22.1	14.8	-26.0	17.2	-30.1	19.8	-34.6	22.5	-39.3	25.4	-44.4	28.5	-49.8
	1, 2e, 2r	50	10.0	-15.5	10.5	-16.9	12.4	-19.8	14.3	-22.9	16.5	-26.3	18.7	-30.0	21.1	-33.8	23.7	-37.9
	1, 2e, 2r	100	10.0	-11.9	10.0	-12.9	10.5	-15.1	12.2	-17.6	14.0	-20.2	15.9	-22.9	18.0	-25.9	20.2	-29.0
	2n, 3r	10	13.1	-26.4	14.2	-28.7	16.7	-33.7	19.4	-39.1	22.2	-44.9	25.3	-51.0	28.5	-57.6	32.0	-64.6
	2n, 3r	20	11.6	-23.6	12.6	-25.7	14.8	-30.1	17.2	-34.9	19.8	-40.1	22.5	-45.6	25.4	-51.5	28.5	-57.8
	2n, 3r	50	10.0	-19.9	10.5	-21.6	12.4	-25.4	14.3	-29.4	16.5	-33.8	18.7	-38.4	21.1	-43.4	23.7	-48.6
	2n, 3r	100	10.0	-17.1	10.0	-18.6	10.5	-21.8	12.2	-25.3	14.0	-29.0	15.9	-33.0	18.0	-37.3	20.2	-41.8
	3e	10	13.1	-32.4	14.2	-35.3	16.7	-41.4	19.4	-48.0	22.2	-55.2	25.3	-62.8	28.5	-70.8	32.0	-79.4
	3e	20	11.6	-28.8	12.6	-31.3	14.8	-36.8	17.2	-42.7	19.8	-49.0	22.5	-55.7	25.4	-62.9	28.5	-70.5
	3e	50	10.0	-24.0	10.5	-26.1	12.4	-30.6	14.3	-35.5	16.5	-40.8	18.7	-46.4	21.1	-52.3	23.7	-58.7
	3e	100	10.0	-20.3	10.0	-22.1	10.5	-26.0	12.2	-30.1	14.0	-34.6	15.9	-39.3	18.0	-44.4	20.2	-49.8
Hip Roof 7 to 20 degrees[h]	1	10	10.6	-24.0	11.6	-26.1	13.6	-30.6	15.8	-35.5	18.1	-40.8	20.6	-46.4	23.3	-52.3	26.1	-58.7
	1	20	10.0	-24.0	10.0	-26.1	11.7	-30.6	13.6	-35.5	15.6	-40.8	17.8	-46.4	20.1	-52.3	22.5	-58.7
	1	50	10.0	-18.5	10.0	-20.2	10.0	-23.7	10.8	-27.4	12.3	-31.5	14.0	-35.8	15.9	-40.4	17.8	-45.3
	1	100	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.0	-21.2	10.0	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35.0
	2r	10	10.6	-31.2	11.6	-34.0	13.6	-39.9	15.8	-46.3	18.1	-53.1	20.6	-60.4	23.3	-68.2	26.1	-76.5
	2r	20	10.0	-28.1	10.0	-30.6	11.7	-35.9	13.6	-41.7	15.6	-47.9	17.8	-54.4	20.1	-61.5	22.5	-68.9
	2r	50	10.0	-24.0	10.0	-26.1	10.0	-30.7	10.8	-35.6	12.3	-40.9	14.0	-46.5	15.9	-52.5	17.8	-58.8
	2r	100	10.0	-20.9	10.0	-22.8	10.0	-26.7	10.0	-31.0	10.0	-35.6	11.2	-40.5	12.7	-45.7	14.2	-51.3
	2e, 3	10	10.6	-33.6	11.6	-36.6	13.6	-43.0	15.8	-49.8	18.1	-57.2	20.6	-65.1	23.3	-73.5	26.1	-82.4
	2e, 3	20	10.0	-30.3	10.0	-32.9	11.7	-38.7	13.6	-44.8	15.6	-51.5	17.8	-58.6	20.1	-66.1	22.5	-74.1
	2e, 3	50	10.0	-25.8	10.0	-28.0	10.0	-32.9	10.8	-38.2	12.3	-43.8	14.0	-49.9	15.9	-56.3	17.8	-63.1
	2e, 3	100	10.0	-22.4	10.0	-24.4	10.0	-28.6	10.0	-33.2	10.0	-38.1	11.2	-43.3	12.7	-48.9	14.2	-54.8
Hip Roof > 20 to 27 degrees	1	10	10.6	-19.1	11.6	-20.8	13.6	-24.4	15.8	-28.3	18.1	-32.5	20.6	-37.0	23.3	-41.8	26.1	-46.8
	1	20	10.0	-16.9	10.0	-18.4	11.7	-21.6	13.6	-25.1	15.6	-28.8	17.8	-32.8	20.1	-37.0	22.5	-41.5
	1	50	10.0	-14.0	10.0	-15.3	10.0	-17.9	10.8	-20.8	12.3	-23.9	14.0	-27.2	15.9	-30.7	17.8	-34.4
	1	100	10.0	-11.9	10.0	-12.9	10.0	-15.1	10.0	-17.6	10.0	-20.2	11.2	-22.9	12.7	-25.9	14.2	-29.0
	2e, 2r, 3	10	10.6	-26.4	11.6	-28.7	13.6	-33.7	15.8	-39.1	18.1	-44.9	20.6	-51.0	23.3	-57.6	26.1	-64.6
	2e, 2r, 3	20	10.0	-23.6	10.0	-25.7	11.7	-30.1	13.6	-34.9	15.6	-40.1	17.8	-45.6	20.1	-51.5	22.5	-57.8
	2e, 2r, 3	50	10.0	-19.9	10.0	-21.6	10.0	-25.4	10.8	-29.4	12.3	-33.8	14.0	-38.4	15.9	-43.4	17.8	-48.6
	2e, 2r, 3	100	10.0	-17.1	10.0	-18.6	10.0	-21.8	10.0	-25.3	10.0	-29.0	11.2	-33.0	12.7	-37.3	14.2	-41.8
Hip Roof > 27 to 45 degrees	1	10	10.2	-20.3	11.1	-22.1	13.0	-26.0	15.1	-30.1	17.3	-34.6	19.7	-39.3	22.2	-44.4	24.9	-49.8
	1	20	10.0	-18.0	10.0	-19.6	11.3	-23.0	13.1	-26.7	15.1	-30.7	17.1	-34.9	19.4	-39.4	21.7	-44.2
	1	50	10.0	-15.0	10.0	-16.3	10.0	-19.2	10.5	-22.2	12.1	-25.5	13.8	-29.0	15.5	-32.8	17.4	-36.7
	1	100	10.0	-12.7	10.0	-13.8	10.0	-16.2	10.0	-18.8	10.0	-21.6	11.2	-24.6	12.7	-27.8	14.2	-31.1
	2e	10	10.2	-24.2	11.1	-26.3	13.0	-30.9	15.1	-35.9	17.3	-41.2	19.7	-46.8	22.2	-52.9	24.9	-59.3
	2e	20	10.0	-19.1	10.0	-20.8	11.3	-24.4	13.1	-28.3	15.1	-32.5	17.1	-37.0	19.4	-41.8	21.7	-46.8
	2e	50	10.0	-11.9	10.0	-12.9	10.0	-15.1	10.5	-17.6	12.1	-20.2	13.8	-22.9	15.5	-25.9	17.4	-29.0
	2e	100	10.0	-11.9	10.0	-12.9	10.0	-15.1	10.0	-17.6	10.0	-20.2	11.2	-22.9	12.7	-25.9	14.2	-29.0
	2r	10	10.2	-30.6	11.1	-33.3	13.0	-39.1	15.1	-45.4	17.3	-52.1	19.7	-59.2	22.2	-66.9	24.9	-75.0
	2r	20	10.0	-25.7	10.0	-28.0	11.3	-32.8	13.1	-38.1	15.1	-43.7	17.1	-49.8	19.4	-56.2	21.7	-63.0
	2r	50	10.0	-19.2	10.0	-20.9	10.0	-24.5	10.5	-28.4	12.1	-32.6	13.8	-37.1	15.5	-41.9	17.4	-47.0
	2r	100	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.0	-21.2	10.0	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35.0
	3	10	10.2	-32.7	11.1	-35.6	13.0	-41.7	15.1	-48.4	17.3	-55.6	19.7	-63.2	22.2	-71.4	24.9	-80.0
	3	20	10.0	-24.6	10.0	-26.7	11.3	-31.4	13.1	-36.4	15.1	-41.8	17.1	-47.5	19.4	-53.7	21.7	-60.2
	3	50	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.5	-21.2	12.1	-24.3	13.8	-27.6	15.5	-31.2	17.4	-35.0
	3	100	10.0	-14.3	10.0	-15.5	10.0	-18.2	10.0	-21.2	10.0	-24.3	11.2	-27.6	12.7	-31.2	14.2	-35.0
Walls	4	10	14.3	-15.5	15.5	-16.9	18.2	-19.8	21.2	-22.9	24.3	-26.3	27.6	-30.0	31.2	-33.8	35.0	-37.9
	4	20	13.6	-14.8	14.8	-16.1	17.4	-19.0	20.2	-22.0	23.2	-25.2	26.4	-28.7	29.8	-32.4	33.4	-36.3
	4	50	12.8	-14.0	13.9	-15.2	16.3	-17.9	19.0	-20.7	21.8	-23.8	24.8	-27.1	27.9	-30.6	31.3	-34.3
	4	100	12.1	-13.3	13.2	-14.5	15.5	-17.1	18.0	-19.8	20.6	-22.7	23.5	-25.8	26.5	-29.2	29.7	32.7
	4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	18.1	-20.2	20.6	-22.9	23.3	-25.9	26.1	-29.0
	5	10	14.3	-19.1	15.5	-20.8	18.2	-24.4	21.2	-28.3	24.3	-32.5	27.6	-37.0	31.2	-41.8	35.0	-46.8
	5	20	13.6	-17.8	14.8	-19.4	17.4	-22.8	20.2	-26.4	23.2	-30.3	26.4	-34.5	29.8	-38.9	33.4	-43.6
	5	50	12.8	-16.1	13.9	-17.6	16.3	-20.6	19.0	-23.9	21.8	-27.5	24.8	-31.2	27.9	-35.3	31.3	-39.5
	5	100	12.1	-14.8	13.2	-16.1	15.5	-19.0	18.0	-22.0	20.6	-25.2	23.5	-28.7	26.5	-32.4	29.7	-36.3
	5	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6	18.1	-20.2	20.6	-22.9	23.3	-25.9	26.1	-29.0

PRODUCT APPROVAL

PRODUCT CATEGORY	SUBCATEGORY	MANUFACTURER	APPROVAL NO.	
ROOFING	TPO ROOFING	Johns Manville	FL11475-R11-11475.1	
	SHINGLES	TAMKO HERITAGE	FL5444-R19-5444.1	
	UNDERLAYMENT	WARRIOR ROOFING MFG.	FL2346-R8-2346.1	
	ASPHALT ROLL ROOF	GAF	FL18715-R6-18715.1	
	RIDGE VENT	CERTAIN TEED CORP	FL21414-R6-21414.2	
WINDOWS	SINGLE HUNG	SILVER LINE PRODUCTS	FL14911-R12-14911.5	
	FIXED GLASS	SILVER LINE PRODUCTS	FL-17767-R6-17767.1	
EXTERIOR DOORS	SWINGING	PGT INDUSTRIES	FL-253-R23 253.1	SWINGING EXTERIOR DOOR
	GARAGE DOOR	COPAY BUILDING	FL 5684-R9	
	SLIDING GLASS DOOR	PRODUCTS COMPANY	FL251-R37-251.4	
STRUCTURAL COMPONENETS	LINTEL	FECP CORP. - CAST CRETE DIV.	FL 158-R15 - FL158.11	PRECAST & PRESTRESSED CONC. LINTELS
EXTERIOR COMPONENTS	SOFFIT	LP BUILDING PRODUCTS	FL9103-R6-9103.1	
Panel Walls	SIDING	JAMES HARDIN BLDG. PRODUCTS INC.	FL13192-R6-13192.2	

NOTES:
ALL PRODUCT APPROVAL INFORMATION WAS OBTAINED FROM FLORIDA BUILDING CODE WEBSIDE.
ALL PRODUCT APPROVALS LISTED ABOVE HAVE STATEWIDE APPROVAL.

CONTRACTOR MUST PROVIDE PRODUCT APPROVAL PRIOR TO INSTALATION.

Revision Schedule

#	Date	Description

PETE ALFONSO JR.
ARCHITECT
1315 W. BUSCH BLVD
Email: Alfonso169@aol.com
TAMPA, FL 33612
Lic # 8735
PH: 813 231-5800

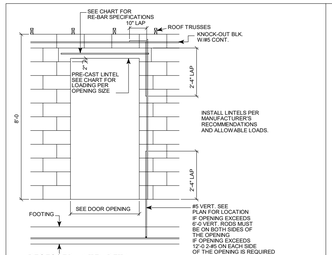
4403 24TH ST.
TAMPA, FL
STANDARD DETAILS

SEAL

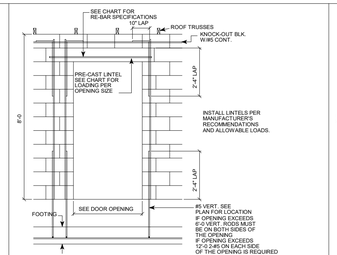
PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET No.

AD-1



RECESSED LINTEL DETAIL



DOOR LINTEL INFORMATION

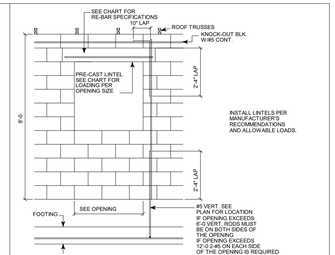
NOTE: FOLLOWING INFORMATION WAS SUPPLIED BY CAST CRETE

LINTEL MARK	DESCRIPTION DOOR SIZE	LINTEL SIZE	RE-BAR	UNIFORM SAFE LOAD PER LINEAL FOOT FILLED	UNFILLED
L-1	2'-6"	4'-0"	1-#5	6408 lbs.	1875 lbs.
L-2	2'-8"	4'-0"	1-#5	6408 lbs.	1875 lbs.
L-3	3'-0"	4'-6"	1-#5	4815 lbs.	1860 lbs.
L-4	4'-0"	5'-4"	1-#5	3744 lbs.	1575 lbs.
L-5	5'-0"	6'-6"	1-#5	3260 lbs.	1565 lbs.
L-6	6'-0"	7'-6"	1-#5	2887 lbs.	1550 lbs.
L-7	8'-0" GARAGE	9'-4"	1-#5	1747 lbs.	1025 lbs.

DOOR LINTEL INFORMATION

NOTE: FOLLOWING INFORMATION WAS SUPPLIED BY CAST CRETE

LINTEL MARK	DESCRIPTION DOOR SIZE	LINTEL SIZE	RE-BAR	UNIFORM SAFE LOAD PER LINEAL FOOT FILLED	UNFILLED
L-8	10'-0"	11'-4"	1-#5	1483 lbs.	800 lbs.
L-9	10'-8"	12'-0"	1-#5	1304 lbs.	750 lbs.
L-10	12'-0"	13'-4"	1-#5	1341 lbs.	563 lbs.
L-11	12'-8"	14'-0"	1-#5	1210 lbs.	510 lbs.
L-12	14'-0"	15'-4"	1-#5	911 lbs.	387 lbs.
L-13	16'-0"	17'-4"	2-#5	823 lbs.	289 lbs.
L-14	18'-0	19'-4"	2-#5	879 lbs.	293 lbs.
L-15	20'-0	21'-4"	2-#5	857 lbs.	279 lbs.

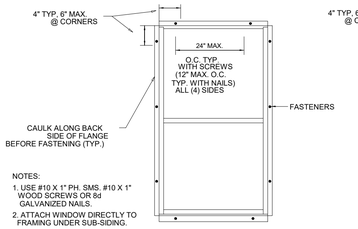


WINDOW LINTEL INFORMATION - PRE-CAST CONCRETE LINTEL

NOTE: FOLLOWING INFORMATION WAS SUPPLIED BY CAST CRETE

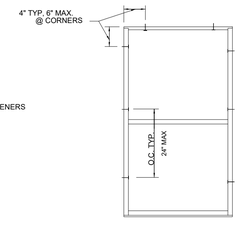
LINTEL MARK	WINDOW SIZE	LINTEL SIZE	RE-BAR	UNIFORM SAFE LOAD PER LINEAL FOOT FILLED	UNFILLED
L-16	1'-6"	2'-10"	1-#5	5314 lbs.	2025 lbs.
L-17	2'-2"	3'-6"	1-#5	5120 lbs.	1950 lbs.
L-18	2'-8"	4'-0	1-#5	6408 lbs.	1875 lbs.
L-19	3'-2"	4'-6"	1-#5	4815 lbs.	1860 lbs.
L-20	4'-0	5'-4"	1-#5	3744 lbs.	1575 lbs.
L-21	4'-6"	5'-10"	1-#5	3744 lbs.	1743 lbs.
L-22	5'-2"	6'-6"	1-#5	3260 lbs.	1565 lbs.
L-23	6'-2"	7'-6"	1-#5	2887 lbs.	1550 lbs.
L-24	8'-0"	9'-4"	1-#5	1747 lbs.	1025 lbs.
L-25	9'-2"	10'-6"	1-#5	1333 lbs.	922 lbs.

MASONRY LINTEL SCHEDULE

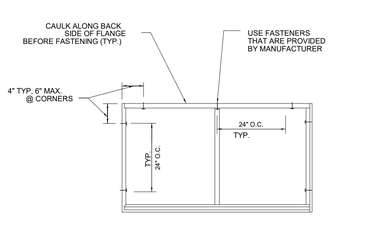


NOTES:
1. USE #10 X 1" PH. SMS, #10 X 1" WOOD SCREWS OR 8d GALVANIZED NAILS.
2. ATTACH WINDOW DIRECTLY TO FRAMING UNDER SUB-SIDING.

FINNED WINDOW (TYP.)

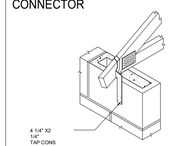


FLANGE SINGLE HUNG

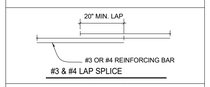


FLANGE GLIDER

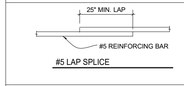
TRUSS STRAP RETROFIT CONNECTOR



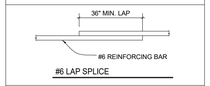
TYPICAL HETA 20 INSTALLATION



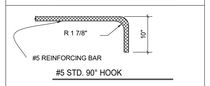
#3 & #4 LAP SPLICE



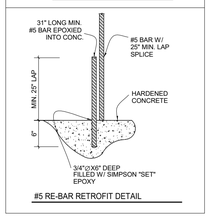
#5 LAP SPLICE



#6 LAP SPLICE

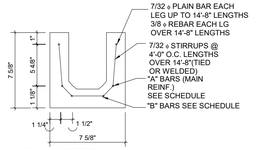


#5 STD. 90° HOOK



#5 RE-BAR RETROFIT DETAIL

REBAR LAP SPLICES



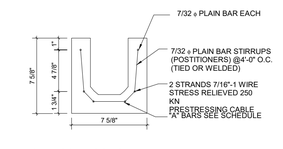
PRECAST CONCRETE

REINFORCING SCHEDULE AND LOAD CAPACITIES

BAR LENGTH	CLEAR SPAN	BOTTOM REINFORCING BARS "A" MAIN BARS "B" BARS		MAX. SAFE LOAD LINTEL ONLY	SAFE LOAD ON COMPOSITE
2'-9"	1'-6"	2. 7/32ø	NONE	1,000 +	3,000 +
3'-4"	2'-2"	PLAIN BARS END		# / FT.	# / FT.
3'-10"	2'-8"	HOCKED UP 90°			
4'-4"	3'-2"	FOR 2 1/2"			
5'-2"	4'-0"	2. #3 ø	NONE	1,000 +	2,100 +
5'-8"	4'-6"			# / FT.	# / FT.
6'-2"	5'-0"				
6'-4"	5'-4"				
7'-0"	8'-2"	2. #4 ø	NONE	800 +	2,250 +
7'-10"	7'-0"			# / FT.	# / FT.
8'-10"	8'-0"	2. #5 ø	NONE	800 +	2,000 +
10'-0"	9'-2"			# / FT.	# / FT.
10'-10"	10'-0"	2. #5 ø	2. #3	800 #/FT.	2,000 #/FT.
12'-0"	11'-2"			700 #/FT.	1,800 #/FT.
12'-10"	12'-0"			650 #/FT.	1,600 #/FT.
13'-5"	12'-8"			600 #/FT.	1,700 #/FT.

THE INFORMATION CONTEINED IN HERE WAS PRODUCED BY CONTEC SOUTH CONSULTING ENGINEERS, OLSMAR, FLORIDA.

TYPICAL LINTEL SECTION

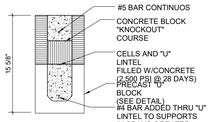


PRESTRESSED CONCRETE

REINFORCING SCHEDULE AND LOAD CAPACITIES

LINTEL LENGTH	CLEAR SPAN	"A" BARS SCHEDULE	MAX. SAFE LOAD LINTEL ONLY	SAFE LOAD ON COMPOSITE
14'-8"	13'-4"	NONE	650 #/FT.	1,900 #/FT.
15'-4"	14'-0"	NONE	650 #/FT.	1,810 #/FT.
17'-4"	16'-0"	#4 @ BARS	570 #/FT.	1,580 #/FT.
19'-4"	18'-0"	2. #5 @ BARS	500 #/FT.	1,400 #/FT.
20'-0"	18'-8"	2. #5 @ BARS	425 #/FT.	1,400 #/FT.
22'-0"	20'-8"	2. #5 @ BARS	380 #/FT.	1,220 #/FT.
24'-0"	22'-8"	2. #5 @ BARS	320 #/FT.	1,120 #/FT.

COMPOSITE LINTEL SECTION



SPECIFICATIONS

1. BAR STEEL SHALL BE MIN. GRADE 60. DEFORMED EXCEPT WHERE
PLAIN BARS . (HOOKED FOR BOND ANCHORAGE) ARE SPECIFICALLY PERMITTED.
2. CONCRETE PRECAST MEMBERS TO BE MIN. 4000 PSI @ 28 DAYS.

HAZARDOUS LOCATIONS

R308.4

THE FOLLOWING SHALL RECONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PROPOSES OF GLAZING:

1. GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BIFOLD DOORS.
EXCEPTIONS:
1. GLAZED OPENINGS OF A SIZE THROUGH WHICH A 3 INCH DIA SPHERE IS UNABLE TO PASS.
2. DECORATIVE GLAZING.
2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24 INCH ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.
EXCEPTIONS:
1. DECORATIVE GLAZING.
2. WHEN THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND THE GLAZING.
3. GLAZING IN WALLS ON THE LATH SIDE OD AND PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSER POSITION.
4. GLAZING ADJACENT TO A DOOR WHERE ACCESS THROUGH THE DOOR IS TO A CLOSER OR STORAGE AREA 3 FEET OR LESS IN DEPTH.
5. GLAZING THAT IS ADJACENT TO THE FIXED PANEL OF PATIO DOORS.
3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FALLOWING CONDITIONS:
3.1 THE EXPOSED AREA OF AN INDIVIDUAL PANEL IS LARGER THAN 9 S.F.;AND
3.2 THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18 INCHES ABOVE THE FLOOR: AND
3.3 THE TOP EDGE OF THE GLAZING IS LESS THAN 36 INCHES ABOVE THE FLOOR: AND
3.4 ONE OR MORE WALKING SURFACE ARE WITHIN 36 IN, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE GLAZING
EXCEPTIONS:
1. DECORATIVE GLAZING
2. WHEM A HORIZONTAL RAIL IS INSTALLED ON THE ACCESSIBLE SIDES OF THE GLAZING 34 TO 38 INCHES ABOVE THE WALKING SURFACE.THE RAIL SHALL BE CAPABLE OF WITH STANDING A HORIZONTAL LOAD OF 50 POUNDS PER LINEAR FOOT WITHOUT CONTRCTING THE GLASS AND BE A MINIMUM OF 1 1/2" INCHES IN CROSS SECTIONAL HEIGHT.
3. OUTBOARD IN INSULATING GLASS UNITS AND OTHER MULTIPLE GLAZED PANEL WHEN THE BOTTOM EDGE OF THE GLASS IS 25 FEET OR MORE ABOVE GRADE, A ROOF, WALKING SURFECE OR OTHER HORIZONTAL SURFACE ADJACENT TO THE GLASS EXTERIOR.
4. ALL GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALING SURFACE. INCLUDED ARE STRUCTURE BALUSTER PANELS AND NON-STRUCTURAL INFILL PANELS.
5.GLAZING IN ENCLOSURES FOR OR WALLS FACING HOT TUBS, WHIRLPOOLS, SAUNAS ROOMS, BATHTUBS AND SHOWERS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 IN MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
EXCEPTIONS:
GLAZING THAT IS MORE THAN 60 IN , MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, FROM THE WATERS EDGED OF A HOT TUB, WHIRLPOOL OR BATHTUB.
6. GLAZING IN WALL AND FENCES ADJACENT TO INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 IN ABOVE A WALKING SURFACE AND WITHIN 60 IN, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE WATER'S EDGE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANELS IN MULTIPLE GLAZING.
7. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 IN HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OGF THE GLAZING IS LESS THAN60 IN ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
8.GLAZING ADJACENT TO STAIRWAYS WITHIN 60 IN HORIZONTALLY OF THE BOTTOM TREAD OF THE STARIWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLAZING IS LESS THAT 60 IN ABOVE THE NOSE OF THE TREAD.
EXCEPTIONS:
1.THE SIDE OF THE STAIWAY HAS A GUARDRAIL OR HANDRAIL, INCLUDING BALUSTERS OR IN-FILL PANELS, COMPLYING WITH SECTION R311.7. AND R312. AND THE PLANE OF THE GLASS IN MORE THAN 18 IN FROM THE RAILING : OR
2. WHEN A SOLID WALL OR PANEL EXTENDS FROM THE PLANE OF THE ADJACENTWALKING SURFACE TO 34 IN TO 36 IN ABOVE THE WALKING SURFACE AND THE CONSTRUCTION AT THE TOP OF THAT WALL OR PANEL IS CAPABLE OF WITHSTANDING THE SAME HORIZONTAL LOAD AS A QUARD.

REQUIRED SAFETY GLAZING IN HAZARDOUS LOCATIONS R308.4

UPLIFT CONNECTION CROSS- REFERENCE

SIMPSON STRONG TIE

CONNECTOR	FLORIDA # APP.	CAPACITY*	FASTENERS
MTS 20	13872.1	3116	14-10dx1 1/2
HETA 20	11473.3	2500	10-10dx1 1/2
HGT-2	10866.10	10980	16-10d
HGT-3	10866.10	10530	16-10d
MBHA3	10866	15712	8-10d
CMSTC 16	13872	4585	50-16d SINKERS
H2.5	10456	415	5-8d
HETA 40	11473.3	2500	10-10dx 1 1/2
CC64	10860.4	4040	6-5/8" BOLTS
THA 29	10447	560	4-10d
LGT2	10866	2050	16-16 d SINKER 14-16 d SINKER
HGT-2	11470	10980	16-10 d

UPLIFT CAPACITIES ARE AVERAGE UNLESS NOTED OTHERWISE WOOD TO MASONRY UPLIFT LESS THAN
1500" USED SIMPSON META20 WOOD TO WOOD UPLIFT LESS THAN 455* USE SIMPSON H5 W/ (8) 8d.
WOOD TO WOOD UPLIFT LESS THAN 1000* MORE THAN 455* REQUIRE MTS12 W/ 14-10d

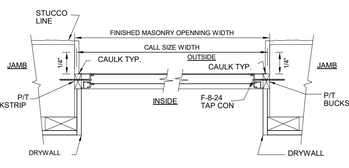
WINDOW CHART

FRAME OPENING WIDTH	19-½	26-½	37-½	53-½
BLOCK OPENING WIDTH	19-⅜	27-½	37-½	53-⅝
WINDOW WIDTH	19	26-½	37	53-⅛

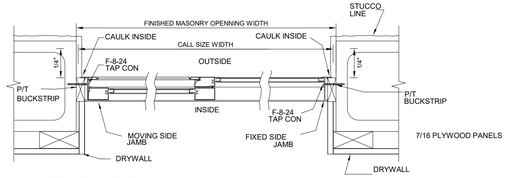
FRAME OPENING HT.	BLOCK OPENING HT.	WINDOW HT.	4'-0" PRECAS	4'-0" PRECAS	4'-8" PRECAS	5'-10" PRECAS
26-½	26	26	CODE 12	CODE ½ 32	CODE 22	CODE 32
38-⅜	38-⅜	38-⅜	CODE 13	CODE ½ 33	CODE 23	CODE 33
51-⅛	50-⅝	50-⅝	CODE 14	CODE ½ 34	CODE 24	CODE 34
63-⅛	63	63	CODE 15	CODE ½ 35	CODE 25	CODE 35
75-⅛	75-⅛	75-⅛	CODE 16	CODE ½ 36	CODE 26	CODE 36

EGRESS WINDOWS

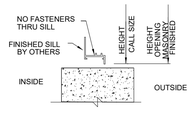
SINGLE HUNG WINDOW
MAXIMUM OF 44" HGT F.F. LEVEL
MINIMUM OF 24" HGT OPENING



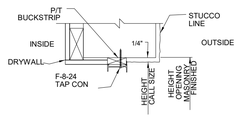
SINGLE-HUNG WINDOW
HORIZONTAL SECTION



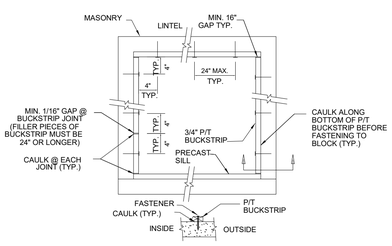
HORIZONTAL SECTION



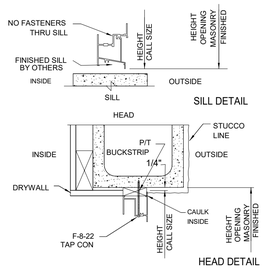
SINGLE-HUNG WINDOW SILL



SINGLE-HUNG WINDOW HEAD



MASONRY OPENING



HEAD DETAIL

WINDOW INSTALLATION DETAILS

#	Date	Description

PETE ALFONSO JR.
ARCHITECT
1316 W. BUSCH BLVD
Email: Alfonso106@aol.com
TAMPA, FL 33612
Lic # 87325
PH: 813 231-5800

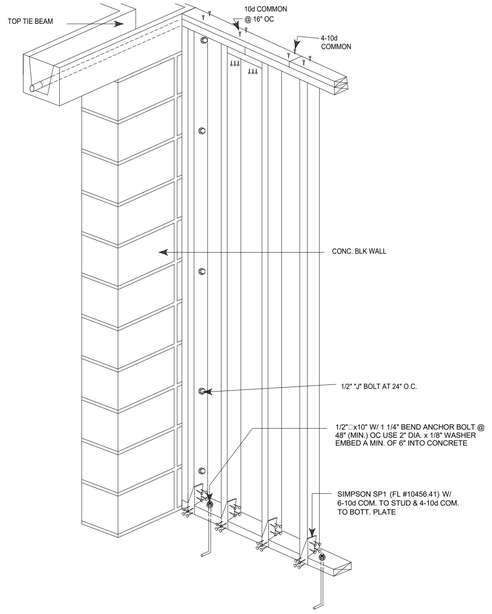
4403 24TH ST. TAMPA, FL STANDARD DETAILS

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

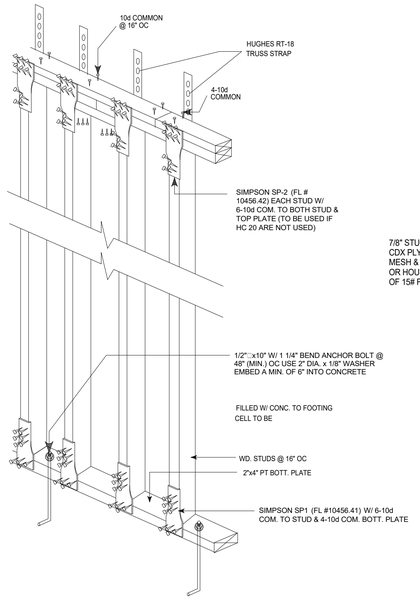
SHEET No.

AD-2



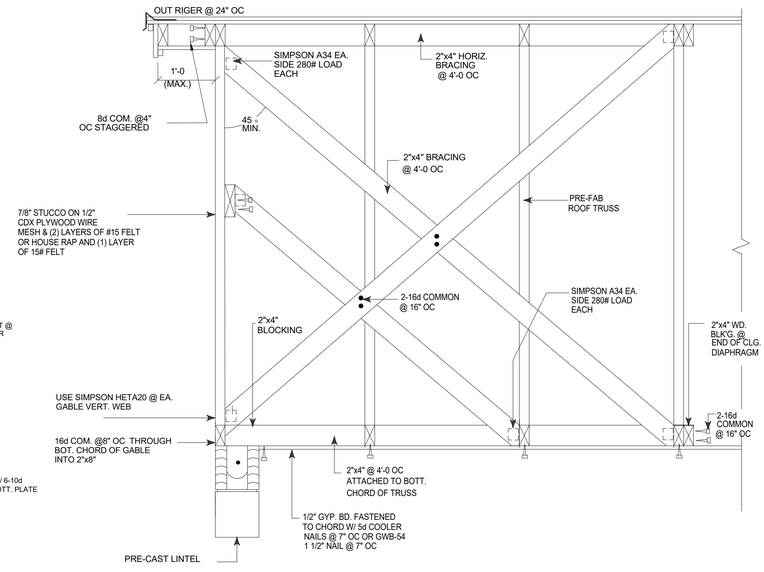
EXTERIOR WALL TO MASONRY WALL

N.T.S.



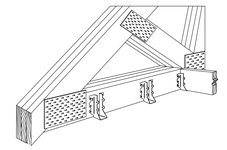
EXTERIOR WALL

N.T.S.



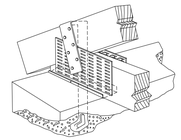
GABLE END GYPSUM BOARD DIAPHRAGM

N.T.S.



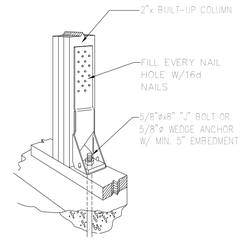
TYPICAL HUS INSTALLATION

N.T.S.



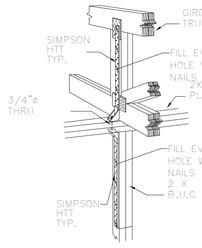
TYPICAL META / HETA INSTALLATION

N.T.S.



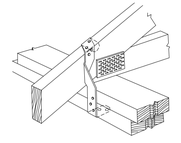
TYPICAL SIMPSON STRONG TIE HTT

N.T.S.



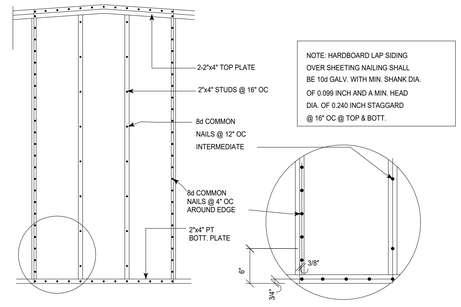
TYPICAL HTT TO BUILT-UP

COLUMN DETAIL N.T.S.



TYPICAL HTS INSTALLATION

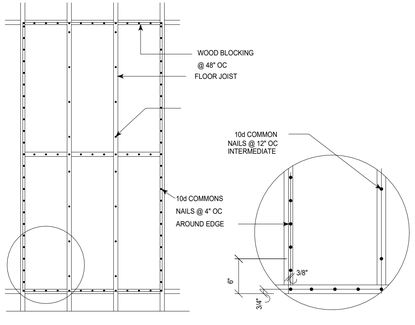
N.T.S.



NOTE: HARDBOARD LAP SIDING OVER SHEETING NAILING SHALL BE 10d GALV. WITH MIN. SHANK DIA. OF 0.099 INCH AND A MIN. HEAD DIA. OF 0.240 INCH STAGGARD @ 16" OC @ TOP & BOTT.

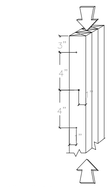
GABLE END

1/2" PLYWD. FASTENING DETAIL



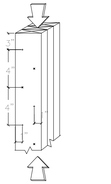
PLYWOOD SHEATHING - NAILING SCHEDULE

3/4" PLYWD. FASTENING DETAIL



2"x 4" COLUMNS W/ (1) ROW OF STAGGERED 16d COMMON WIRE NAILS (D = 0.162", L = 3 1/2")

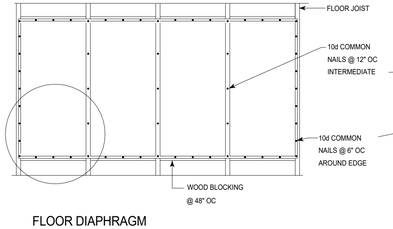
NOTES:
1) ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.
2) ALL NAILS PENETRATE AT LEAST 3/4 OF THE THICKNESS OF THE LAST LAMINATION.
3) FOR 3-PLY, COLUMN SHALL BE NAILED AS SHOWN FROM EACH SIDE (ONE INTO EACH OUTSIDE FACE OF B.U.C., SAME NUMBER OF ROWS, SAME SPACING).
4) FOR 4-PLY, PROVIDE 1/4" DIA. x 5 1/2" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
5) FOR 5-PLY, PROVIDE 1/4" DIA. x 7" LAG SCREWS OR EQUAL (SPACE AS SHOWN FOR 3-PLY)
6) REFER TO NDS SECTION 15.3 FOR ADDITIONAL INFORMATION.



2"x 6" OR 2"x 8" COLUMNS W/ (2) ROWS OF STAGGERED 16d COMMON WIRE NAILS (D = 0.162", L = 3 1/2")

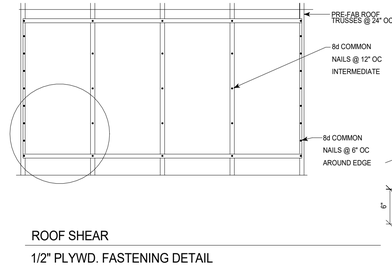
JACK POST NAILING

N.T.S.



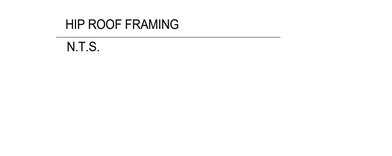
FLOOR DIAPHRAGM

3/4" PLYWD. FASTENING DETAIL



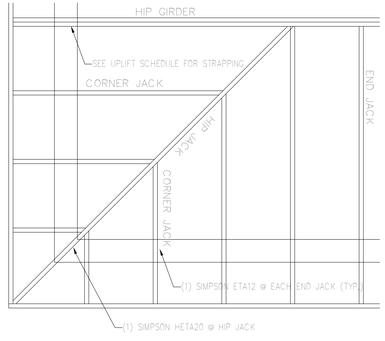
ROOF SHEAR

1/2" PLYWD. FASTENING DETAIL



ROOF BRACING PLAN

N.T.S.



HIP ROOF FRAMING

N.T.S.

Revision Schedule		
#	Date	Description

PETE ALFONSO JR. ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic# 87325
1316 W. BUSCH BLVD
Email: Alfonso106@aol.com

4403 24TH ST. TAMPA, FL STANDARD DETAILS

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

AD-3

TABLE R602.3(1)
FASTENET SCHEDULE FOR STRUCTURAL MEMBERS

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER a,b,c,d	SPACING OF FASTENER
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d(2 1/2"X0.113")	---
1"x8" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d(2 1/2"X0.113") 2 STAPLES, 1 3/4"	---
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d(3 1/2"X0.135")	---
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d(3 1/2"X0.135")	---
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d(3 1/2"X0.135")	16"o.c.
STUD TO SOLE PLATE, TOE NAIL	3-8d or 2-16d(3 1/2"X0.135")	---
DOUBLE STUDS, FACE NAIL	10d(3"X0.128")	---
DOUBLE TOP PLATES, FACE NAIL	10d(3"X0.128")	24" o.c
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3-16d(3 1/2"X0.135")	24" o.c.
DOUBLE TOP PLATES, MINIMUM 24 INCH OFFSET OF END JOIST, FECA NAIL IN LAPPED AREA	8-16d(3 1/2"X0.135")	16" o.c.
BLOCKING BETWEEN JOIST OR RAFTERS PLATE, TOE NAIL	3-8d(2 1/2"X0.113")	---
RIM JOIST TO TOP PLATE, TOE NAIL	8d(2 1/2"X0.113")	---
TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS, FACE NAIL	2-10d(3"X0.128")	6" o.c.
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d(3 1/2"X0.135")	---
CONTINUED HEADER,TWOIN PIECES	16d(3 1/2"X0.135")	16" o.c. along each edge
CEILING JOIST TO PLATE, TOE NAIL	3-8d(2 1/2"X0.113")	16" o.c. along each edge
CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d(2 1/2"X0.113")	---
CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL	3-10d(3"X0.128")	---
CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL	3-10d(3"X0.128")	---
RAFTER TO PLATE, TOE NAIL	2-16d(3 1/2"X0.135")	---
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d(2 1/2"X0.113") 2 STAPLES, 1 3/4"	---
1"x8" SHEATHING TO EACH BEARING, FACE NAIL	2-8d (2 1/2"X0.113") 2 STAPLES, 1 3/4"	---
1"x8" SHEATHING TO EACH BEARING, FACE NAIL	2-8d(2 1/2"X0.113") 3 STAPLES, 1 3/4"	---
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d(2 1/2"X0.113") 4 STAPLES, 1 3/4"	---
BUILT-UP CORNER STUDS	10d(3"X0.128")	24" o.c.
BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	10d(3"X0.128")	NAIL EACH LAYER AS FOLLOW: 32" O.C. AT TOP AND BOTTOM AND STAGGERED. TWO NAILS AT END AT EACH SPLICE.
2" PLANKS	2-16d(3 1/2"X0.135")	AT EACH BEARING.
ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS: TOE NAIL FACE NAIL	4-16d (3 1/2"X0.135") 3-16d (3 1/2"X0.135")	---
RAFTER TIES TO RAFTERS, FACE	3-8d(2 1/2"X0.113")	---

FASTENET SCHEDULE FOR STRUCTURAL MEMBERS

DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER b,c,d,e	SPACING OF FASTENERS	
		EDGES(IN)	INTERMEDIATE SUPPORT ce (IN)
WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND WALL SHEATHING TO FRAMING, AND PARTICLEBOARD WALL SHEATHING TO FRAMING			
5/16"- 1/2"	6d common(2"X0.113") nail(subfloor wall) common(2 1/2"X0.131") nail(roof) 8d	6	12g
19/32"-1"	8d common(2 1/2"X0.131") nail	6	12g
1 1/8"-1 1/4"	10d common(3"X0.128") nail or 8d deformed(2 1/2"X0.131") nail	6	12
OTHER WALL SHEATHING h			
1/2" structural cellulosic fiberboard sheathing	1 1/2" galvanized roofing nail 6d common(2 1/2"X0.131")nail staple 16 ga. 1 1/2 long	3	6
25/32" structural cellulosic fiberboard sheathing	1 3/4" galvanized roofing nail 8d common(2 1/2"X0.131") nail staple 16 ga. 1 3/4 long	3	6
1/2" gypsum sheathing	1 1/2" galvanized roofing nail; 6d common(2"X0.113") nail; staple galvanized, 1 1/2 long,1 1/4 screws, type w or s	4	8
5/8" gypsum sheathing	1 3/4" galvanized roofing nail; 8d common(2 1/2"X0.131") nail; staple galvanized, 1 5/8 long 1 5/8 screws, type w or s	4	8
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING			
3/4" and less	8d deformer(2"X0.113") nail or 8d common(2 1/2"X0.131") nail	6	12
7/8"-1"	8d deformer (2"X0.113")nail or 10d(3 1/2"X0.131")common nail 8d (2	6	12
1 1/8"-1 1/4"	10d deformer(3"X0.128") nail or 8d common(2 1/2"X0.131") nail	6	12

CARPENTRY:

FRAMING

1. DIMENSIONED LUMBER SHALL BE DRESSED S4S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.
2. ALL LUMBER SHALL BE SOUND, SEASONED, AND FREE FROM WARP.
3. LUMBER GRADES OR BETTER, WITH SINGLE MEMBER (UNFACTORED) STRESSES AS FOLLOWS:
   Fv - 90 PSI
   Fc = 1,450 PSI
   E = 1,600,000 PSI
   19% MAXIMUM MOISTURE CONTENT
B. ALL FRAMING LUMBER SHALL BE #2,SPRUCE-PINE-FIR OR BETTER U.N.O.
C. INTERIOR LOAD BEARING (IF APPLICABLE) WALLS SPACED AT 16" OC AND LESS THAN 8'-0 IN HEIGHT SHALL BE STUD GRADE, SPRUCE-PINE-FIR OR BETTER.
D. INTERIOR NON-LOAD BEARING WALLS SHALL BE UTILITY GRADE
4. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
5. PRESSURE TREATED LUMBER SHALL BE IMPREGNATED WITH A CCA SALT TREATMENT IN ACCORDANCE WITH F.S. 11-W-571 AND BEAR THE AMERICAN WOOD PRESERVES INSTITUTE EQUALITY MARK LP-2.
6. PLYWOOD FOR ROOF AND WALLS SHALL BE 7/16" (MIN.) APA RATED SHEATHING EXTERIOR GLUE. ALL ROOF SHEATHING
TOINSTALLED WITH PLY CLIPS (MAXIMUM 24" O/C). (SEE PLANS FOR SHEATHING THICKNESS.)
7. ROOF SHEETING SHALL BE NAILED WITH 8d COMMONS @ 4" OC AT EDGE AND 6" OC INTERMEDIATE.
8. WALL SHEETING SHALL BE NAILED WITH 8d COMMONS @ 4" OC AT EDGE AND 6" OC INTERMEDIATE HARDBOARD LAP SIDING OVER SHEETING NAILED SHALL BE 10d GALV. WITH MIN. HEAD OVER SHEETING NAILED SHALL BE 10d GALV. WITH
MIN. HEAD
9. INSTALL BLOCKING IN ALL WALL STUDS OVER 8'-0 @ MID-HEIGHT, AND SHEATHING JOINT. BRACE GABLE END WALLS AT
4'-0 OC WHERE WALL FRAMING IS NOT CONTINUOUS FORM FOUNDATION TO ROOF, OR AS SHOWN ON DRAWINGS.
10. ALL NAILING AND BOLTING SHALL COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION REQUIREMENTS. ALL NAILS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
11. ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG TIE CO., OR EQUIVALENT.
SUBMIT CUT SHEETS FOR ALL CONNECTION HARDWARE TO ENGINEER FOR APPROVAL. ALL NAIL HOLES SHALL BE FILLED
OR AS PRESCRIBED BY THE MANUFACTURER

WOOD WALL FRAMING

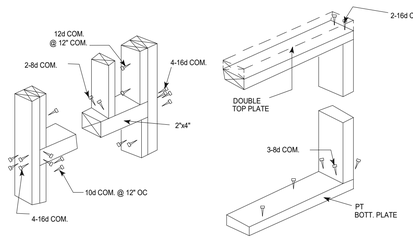
(REF. 2020 FBC (7th EDITION) RESIDENTIAL SEC. R 602)

R602.1.1 IDENTIFICATION.
LOAD-BEARING DIMENSION LUMBER FOR STUDS, PLATES AND HEADERS SHALL BE IDENTIFIED BY A GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH DOC PS 20. IN LIEU OF A GRADE MARK, A CERTIFICATION OF INSPECTION ISSUED BY A LUMBER GRADING OR INSPECTION AGENCY MEETING THE REQUIREMENTS OF THE SECTION SHALL BE ACCEPTED.

R602.1.1.1 END-JOINTED LUMBER.
APPROVED END-JOINTED LUMBER IDENTIFIED BY A GRADE MARK CONFORMING TO SECTION R602.1 MAY BE USED INTERCHANGEABLY WITH SOLID-SAWN MEMBERS OF THE SAME SPECIES AND GRADE.

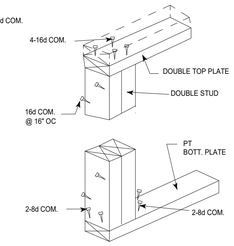
R602.1.1.2 STRUCTURAL GLUED LAMINATED TIMBERS
GLUED LAMINATED TIMBERS SHALL BE MANUFACTURED AND IDENTIFIED AS REQUIRED IN AITC A190.1 AND ASTM D 3737.

R602.1.1.3 STRUCTURAL LOG MEMBERS
STRESS GRADING OF STRUCTURAL LOG MEMBERS OF NONRECTANGULAR SHAPE, AS TYPICALLY USED IN LOG BUILDINGS, SHALL BE IN ACCORDANCE WITH ASTM D 3957. SUCH STRUCTURAL LOG MEMBERS SHALL BE IDENTIFIED BY THE GRADE MARKOF AN APPROVED LUMBER GRADING OR INSPACTION AGENCY.
IN LIEU OF A GRADE MARK ON THE METERIAL , A CERTIFICATE OF INSPECTION AS TO SPECIES AND GRADE ISSUED BY A LUMBER GRADING OR INSPECTION SHALL BE PERMITTED TO BE ACCEPTED.

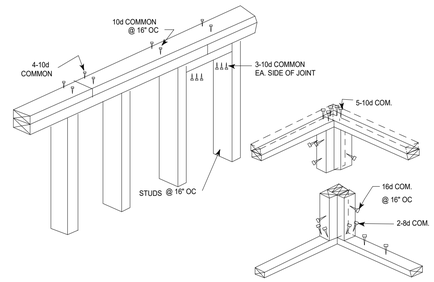


INT. HEADER
(NON-BEARING)

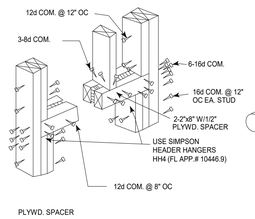
END STUD INT.



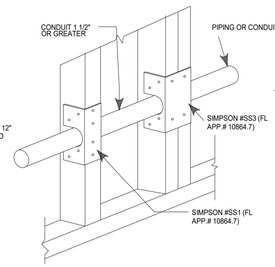
DOUBLE END STUD



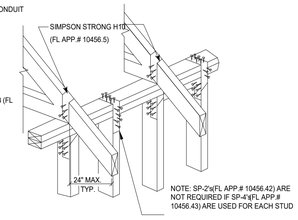
4 STUD CORNER



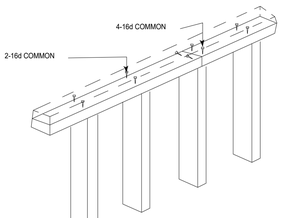
EXT./BEARING



FOR EXTERIOR & BEARING WALLS

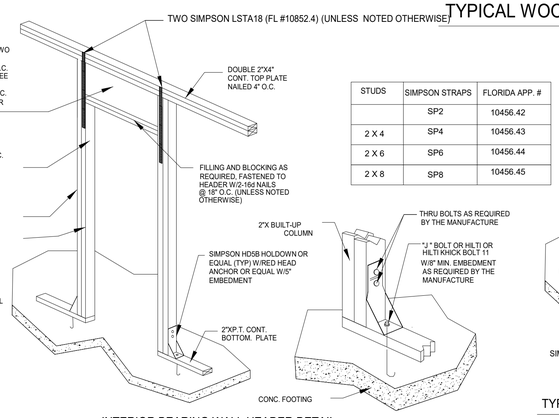


TRUSS CONNECTION AT FRAME WALL



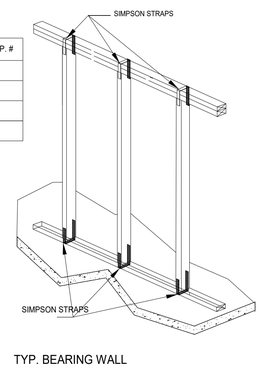
TOP PLATE FASTENERS

TYPICAL WOOD FRAMING DETAILS

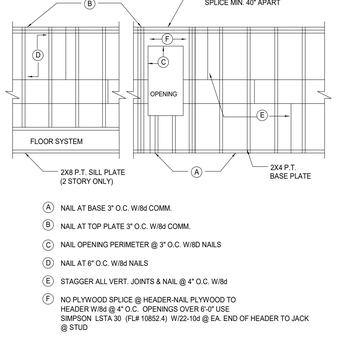


STUDS	SIMPSON STRAPS	FLORIDA APP. #
	SP2	10456.42
2 X 4	SP4	10456.43
2 X 6	SP6	10456.44
2 X 8	SP8	10456.45

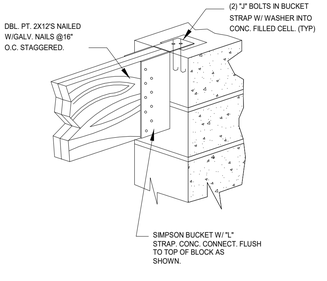
INTERIOR BEARING WALL HEADER DETAIL



TYP. BEARING WALL

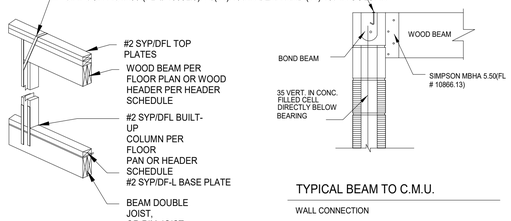


(A) NAIL AT BASE 3" O.C. W/8d COMM.
(B) NAIL AT TOP PLATE 3" O.C. W/8d COMM.
(C) NAIL OPENING PERIMETER @ 3" O.C. W/8D NAILS
(D) NAIL AT 6" O.C. W/8d NAILS
(E) STAGGER ALL VERT. JOINTS & NAIL @ 4" O.C. W/8d
(F) NO PLYWOOD SPLICE @ HEADER-NAIL PLYWOOD TO HEADER W/8d @ 4" O.C. OPENINGS OVER 6'-0" USE SIMPSON LSTA 30 (FL# 10852.4) W/22-10d @ EA. END OF HEADER TO JACK @ STUD



SUPPORT BEAM/HEADER DETAIL

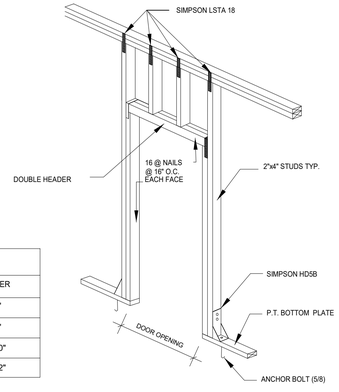
N.T.S. (USE TRIPLE 2X12 FOR SPANS LONGER THAN 12' ON CENTER)



WOOD COLUMN TO WOOD FLOOR ANCHOR

TYPICAL BEAM TO C.M.U.

WALL CONNECTION

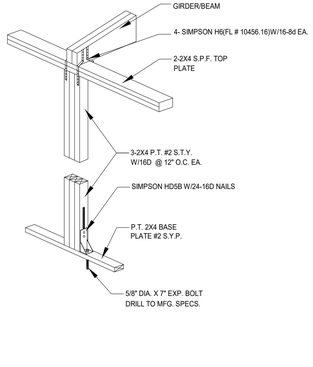


UPLIFT CONNECTION AT LOAD BEARING WALL

INT. HEADER SCHEDULE	
OPENING	HEADER
UP TO 3'-4"	2 -2"X6"
3'-5" TO 5'-4"	2 -2"X8"
5'-5" TO 8'-6"	2 -2"X10"
8'-7" TO 12'-6"	2 -2"X12"

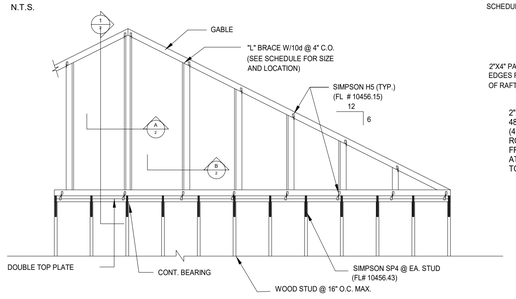
EXTERIOR WALL HEADER DETAIL

N.T.S.



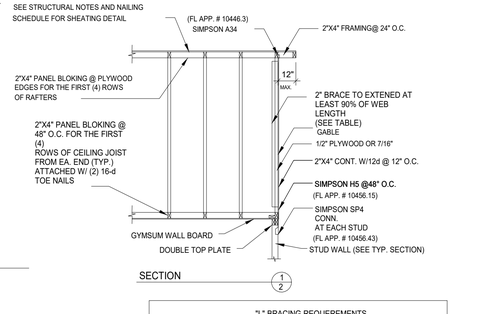
FRAME WALL GIRDER/BEAM DETAIL

N.T.S.



GABLE END BRACING DETAIL (WOOD FRAMING)

WIND SPEED 110 MPH, MEAN WALL HEIGHT UP TO 20'-0"



SECTION 1/2

"L" BRACING REQUEREMENTS				
STUD SPACING	NO "L" BRACE	(1) 2"X4" "L" BRACE	(2) 2"X4" "L" BRACE	(2) 2"X6" "L" BRACE
16"	0'0"- 4'-5"	4'-5"- 8'-0"	8'-0"- 12'-0"	12'-0"- 16'-0"
24"	0'0"- 4'-0"	4'-0"- 7'-0"	7'-0"- 10'-0"	10'-0"- 14'-0"

NOTE :
"L" BRACE MUST EXTEND AT LEAST 90% OF WEB LENGTH

SHEATHING AND NAILING SCHEDULE			
AREA	SHEATHING	NAIL SIZE	SPACING
FLOOR	23/32 /3/4" STURD T & G GLUED EXP-1	10d SPIRAL OR RING SHANK	6" O/C EDGES 6" O/C FIELD
* WALLS	15/32 (1/2")EXP-1 MINIMUN 4 PLY	8d COMMON	4" O/C EDGES 12" O/C FIELD
ROOF	15/32 (1/2")EXP-1 MINIMUN 4 PLY	8d COMMON	6" O/C EDGES 6" O/C FIELD ** 4" O/C

NOTE :
** NAIL ROOF @ 4 O/C WITHIN 48" OF ALL ROOFEDGES AND HIPS.
* WALLS AREA TO HAVE BLOCKING AT ALL PANEL EDGES
* WALL SHEATHING IS TO BE NAILED INTO BOTH TOP PLATES (2-ROWS @4 O/C)
OPTIONAL OSB STUCTURAL

Revision Schedule

#	Date	Description

PETE ALFONSO JR. ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic # 87325
1316 W. BUSCH BLVD
Email: Alfonso106@aol.com

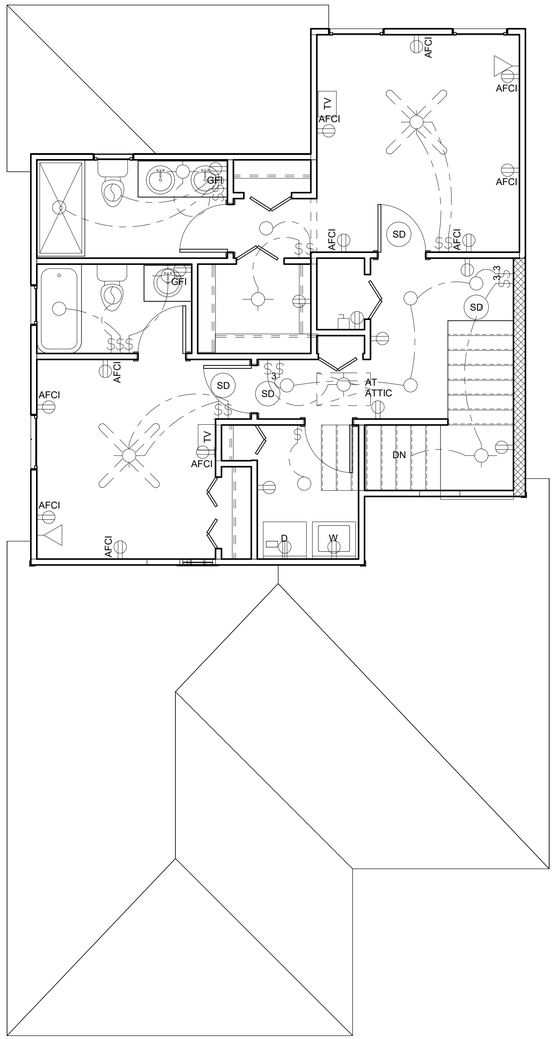
4403 24TH ST.
TAMPA, FL
STANDARD DETAILS

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

AD-4



4 ELECTRICAL PLAN - 2ND FLOOR
1/4" = 1'-0"

NOTES:

1. NEC 2017 210.12, AFCI protection is required in all Living Areas.

2. NEC 2017 210.8(A)(2) GFCI protection is required in garage receptacles.

3. NEC 2017 210.52(1) Receptacles shall be installed so that no point measured horizontally along floor line in any wall
space is more than 6' from a receptacle outlet, see Guest Bedroom, Great Room, Loft, and Master Bedroom.

4. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE WITH CARBON MONIXIDE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIRMENTS OF ALL GOVERNING

5.PROVIDE AND INSTALL GROUND FAULT CIRCUT-INTERUPTERS (G.F.I.)AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.

6. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES & RECEPTICALS

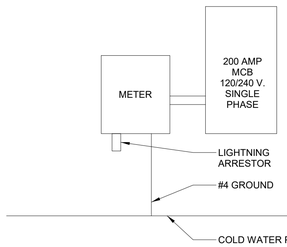
SWITCHES.....42"
OUTLETS.....14"
TELEPHONE.....14"
TELEVISION.....14"

(G.F.I.)AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC) AND

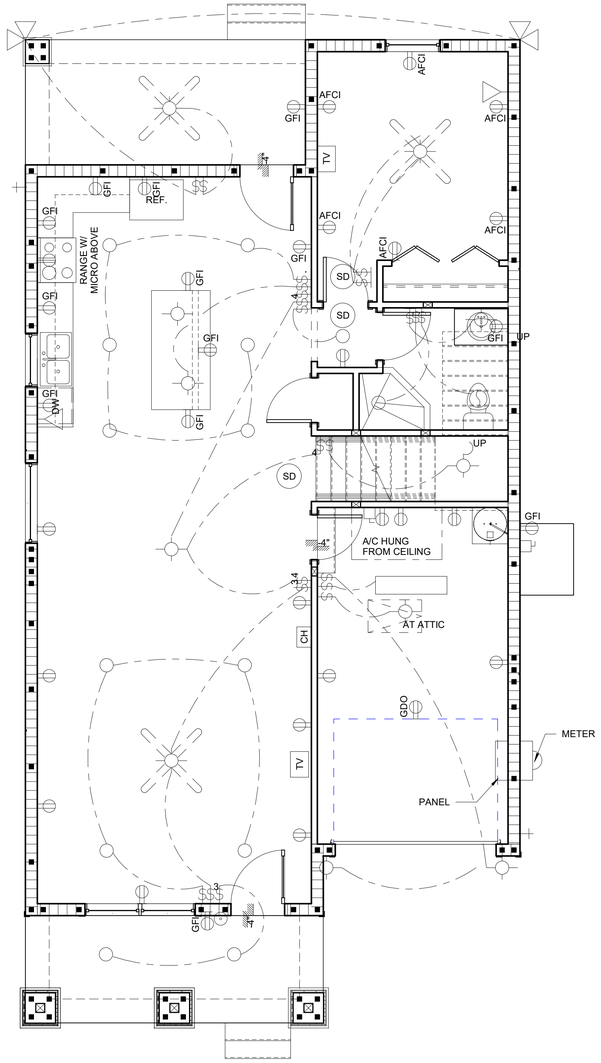
ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- W.P. WEATHERPROOF DUPLEX OUTLET
- G.F.I. GROUND FAULT INTERRUPTER DUPLEX OUTLET
- AFCI ARC-FAULT CIRCUIT INTERRUPTERS
- HALF-SWITCH DUPLEX OUTLET
- QUAPLEX CONVENIENCE OUTLET
- 220 VOLT OUTLET
- WALL SWITCH
- 3 THREE-WAY SWITCH
- 4 FOUR-WAY SWITCH
- CEILING MOUNTED INCANDESCENT CAN LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- SENSOR SPOT LIGHT
- P.C. LIGHT FIXTURE WITH PULL CHAIN
- FLOURESCENT LIGHT FIXTURE
- EXHAUST FAN
- CH CHIMES
- SD SMOKE DETECTOR & CARBON MONOXIDE COMBO
- TELEPHONE
- TV TELEVISION W/DATA AND ELECT.
- CFP CEILING FAN PREWIRE
- GDP GARAGE DOOR OPENER PREWIRE
- RECESS CAN LIGHT FIXTURE
- CLG. FAN W/LIGHT (OPTIONAL)

2 ELEC NOTES
12" = 1'-0"



3 ELECTRICAL RISER DETAIL
1 1/2" = 1'-0"



1 ELECTRICAL PLAN - 1ST FLOOR
1/4" = 1'-0"

Revision Schedule

#	Date	Description

PETE ALFONSO JR. ARCHITECT
PH: 813-231-5800
TAMPA, FL 33612
Lic.# 8735
1316 W. BUSCH BLVD
Email: Alfonso108@aol.com

4403 24TH ST. TAMPA, FL ELECTRICAL PLAN

SEAL

PLANS COMPLY WITH 2020 (7TH EDDITION) FLORIDA BUILDING CODE. THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PETE ALFONSO, JR. ARCHITECT 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.

SHEET No.

E-1