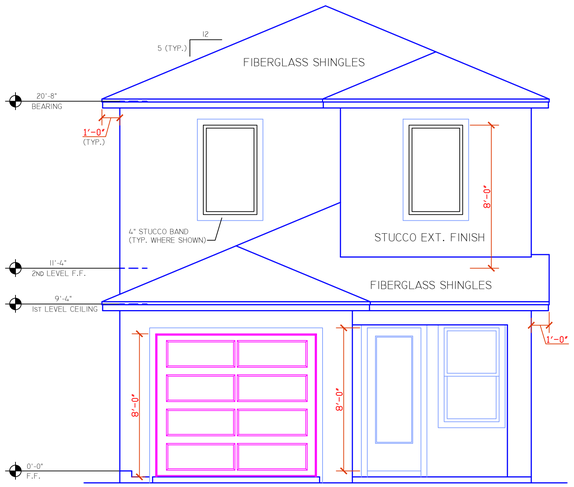
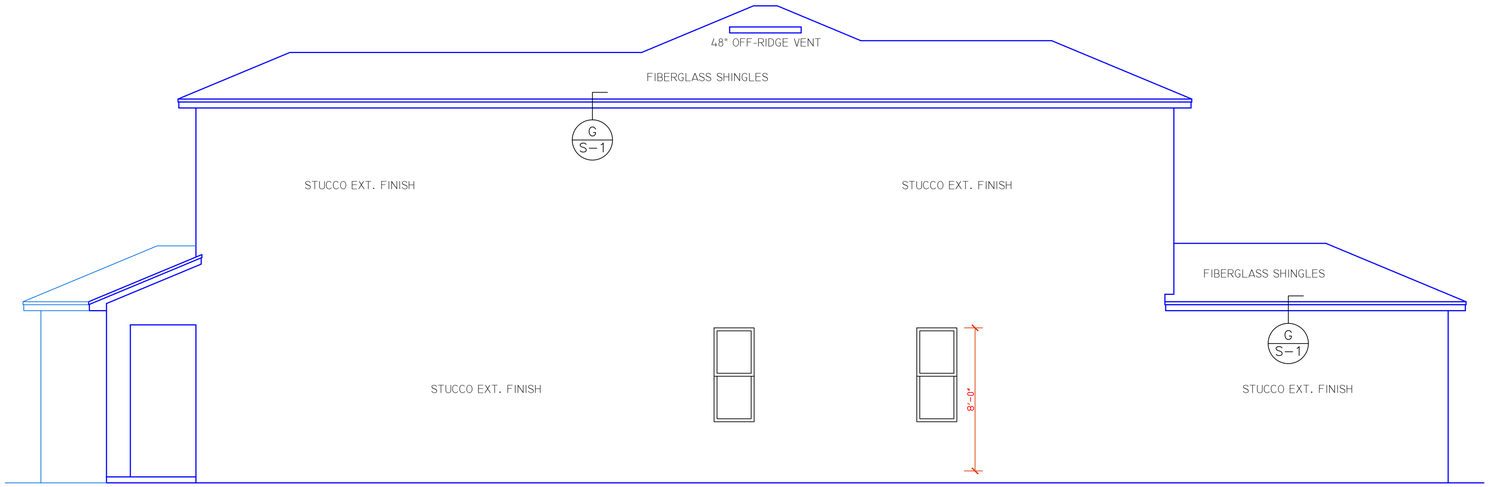


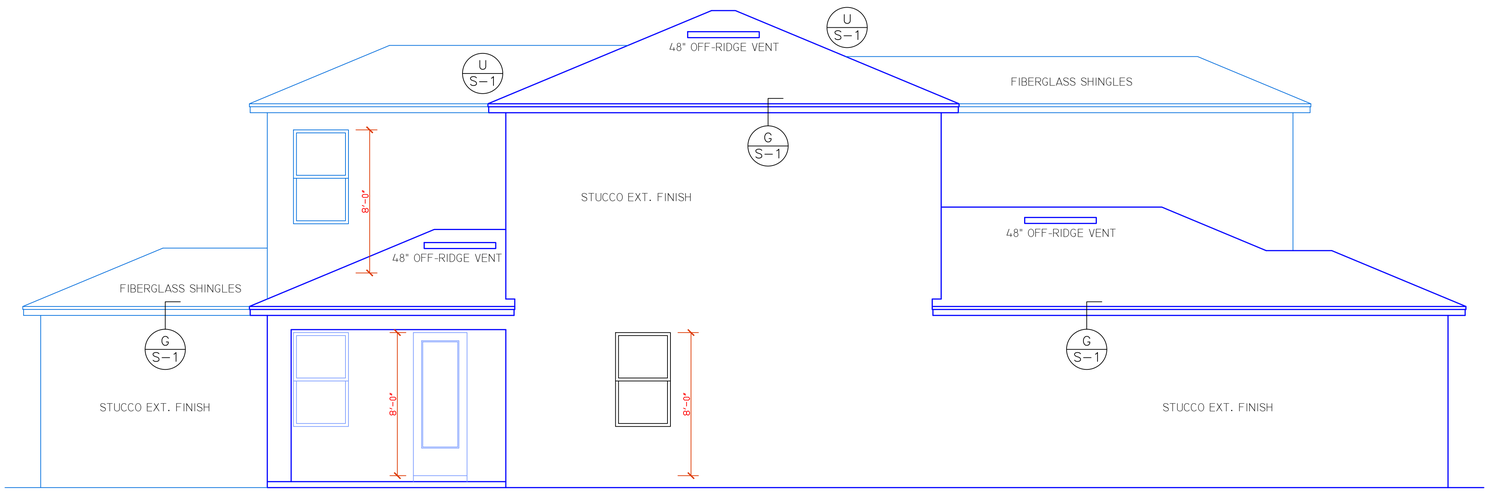
FRONT ELEVATION

SCALE: 1/4"=1'-0"



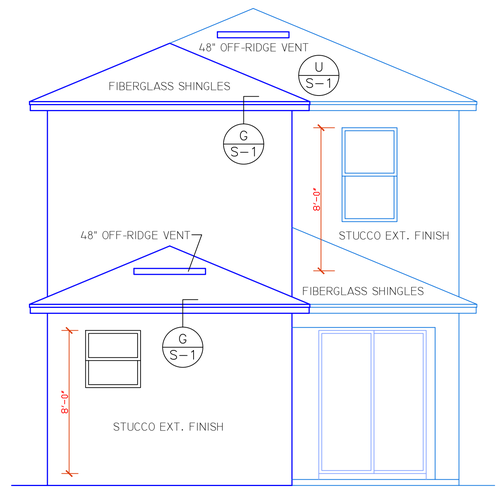
LEFT ELEVATION

SCALE: 1/4"=1'-0"



RIGHT ELEVATION

SCALE: 1/4"=1'-0"



REAR ELEVATION

SCALE: 1/4"=1'-0"

THE MAIN WIND RESISTANCE FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION AND LATEST ADOPTED SUPPLEMENTS TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 160 MILES PER HOUR, EXPOSURE " B" STRUCTURE.

THE COMPONENTS AND CLADDING HAVE BEEN SELECTED AND THEIR USE INCORPORATED INTO THE DESIGN AND SPECIFICATIONS IN ACCORDANCE WITH THE 2020 FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION AND LATEST ADOPTED SUPPLEMENTS TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 160 MILES PER HOUR, EXPOSURE " B" STRUCTURE

1. ULTIMATE WIND SPEED = 160 MILES PER HOUR/NOMINAL WIND SPEED = 124 MILES PER HOUR
2. WIND IMPORTANCE FACTOR = 1 / BUILDING CATEGORY = 2 / ENCLOSED (FULLY)
3. WIND EXPOSURE = EXPOSURE " B"
4. INTERNAL PRESSURE COEFFICIENT: + 0.18 / - 0.18
5. COMPONENTS & CLADDING: + 26.7 PSF / - 35.2 PSF

ALL DOOR AND WINDOW UNITS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS (WHERE APPLICABLE)

THIS STRUCTURE HAS BEEN DESIGNED AS A FULLY ENCLOSED STRUCTURE. THIS STRUCTURE IS LOCATED IN A WIND-BORNE DEBRIS ZONE PER FLORIDA BUILDING CODE. GLAZING PROTECTION (IMPACT GLASS AND/OR HURRICANE SHUTTERS) IS REQUIRED TO BE INSTALLED.

ATTIC VENTILATION CALCULATION

REQUIRED ATTIC VENTILATION IS 1/300 SQ. FT. OF THE TOTAL CEILING SQUARE FOOTAGE. BASED ON AN APPROXIMATE CEILING SQUARE FOOTAGE OF 1654 SQ. FT. A TOTAL OF 11.0 SQ. FT. OF ATTIC VENTILATION IS REQUIRED.

SOFFIT CALCULATIONS:
404 x 7.53 SQ. IN. = 3042.1 SQ. IN. (21.1 SQ. FT.)

RIDGE VENT CALCULATIONS:
34 x 18 SQ. IN. = 612 SQ. IN. (4.2 SQ. FT.)

OFF-RIDGE VENT CALCULATIONS:
6 x 138 SQ. IN. = 828 SQ. IN. (5.8 SQ. FT.)

TOTAL PROVIDED VENTILATION = 31.1 SQ. FT

NOTE:
CALCULATIONS FOR SOFFIT VENTILATION IS BASED ON A VENTED SOFFIT PROVIDING 7.53 SQ. IN OF VENTILATION PER SQ. FT.

NOTE:
CALCULATIONS FOR OFF-RIDGE VENTS IS BASED ON VENT PROVIDING 138 SQ. IN. OF VENTILATION PER VENT.

SHEET INDEX

GENERAL NOTES

1. THESE DRAWINGS WERE PREPARED WITH THE ASSUMPTION THE CONTRACTOR/OWNER BUILDER IS KNOWLEDGEABLE OF COMMON CONSTRUCTION PRACTICES.
2. THE CONTRACTOR/OWNER-BUILDER SHALL REVIEW DRAWINGS FOR ACCURACY AND INTERPRETATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS PRIOR TO CONSTRUCTION.
3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

DO NOT SCALE DRAWINGS

DESIGN CRITERIA	
FULLY ENCLOSED	
WIND SPEED	150 MPH
EXPOSURE	B
BUILDING CATEGORY	TWO (2)

Edward F Shinskie Jr.

Digitally signed by Edward F Shinskie Jr.
Date: 2023.01.26 10:37:29 -08'00'

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TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING PLANS COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE 2020 FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION AND LATEST ADOPTED SUPPLEMENTS

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ISSUED: 1-26-23
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2 ***
3 ***

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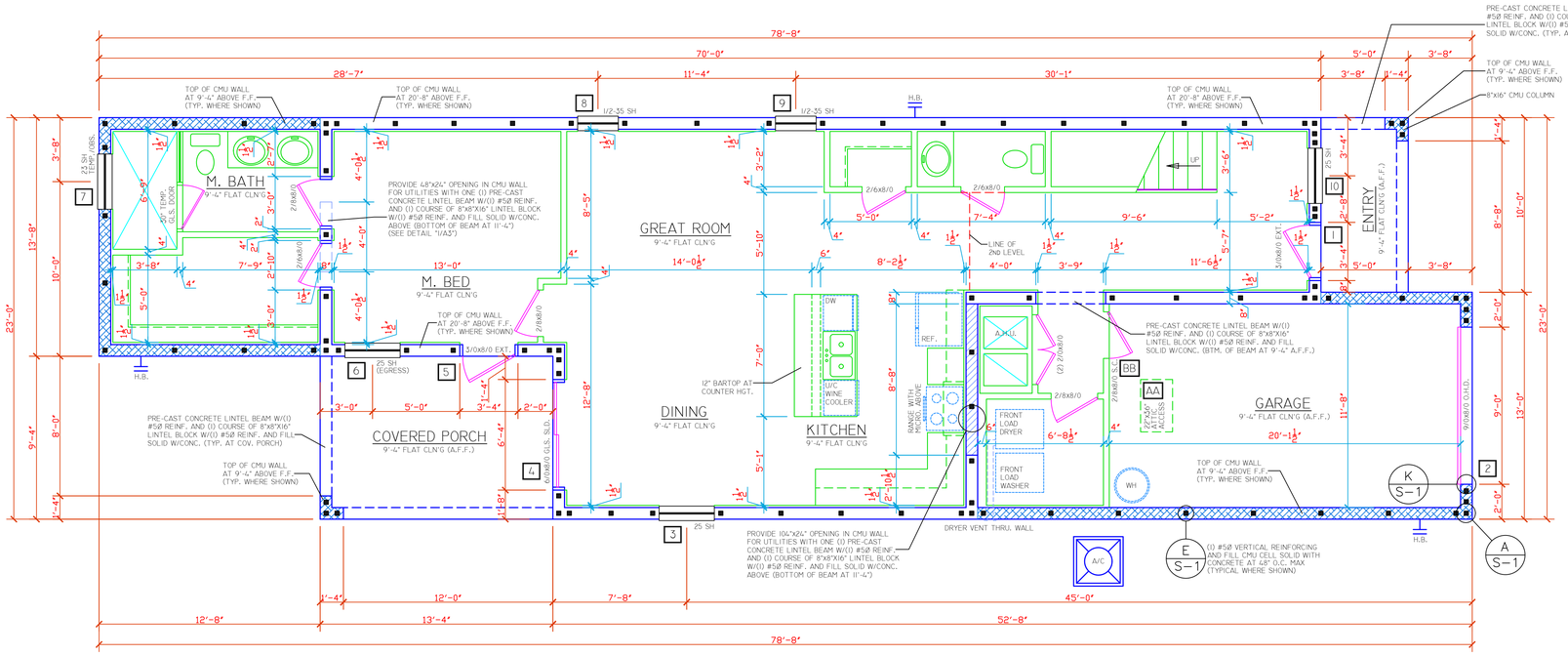
A1

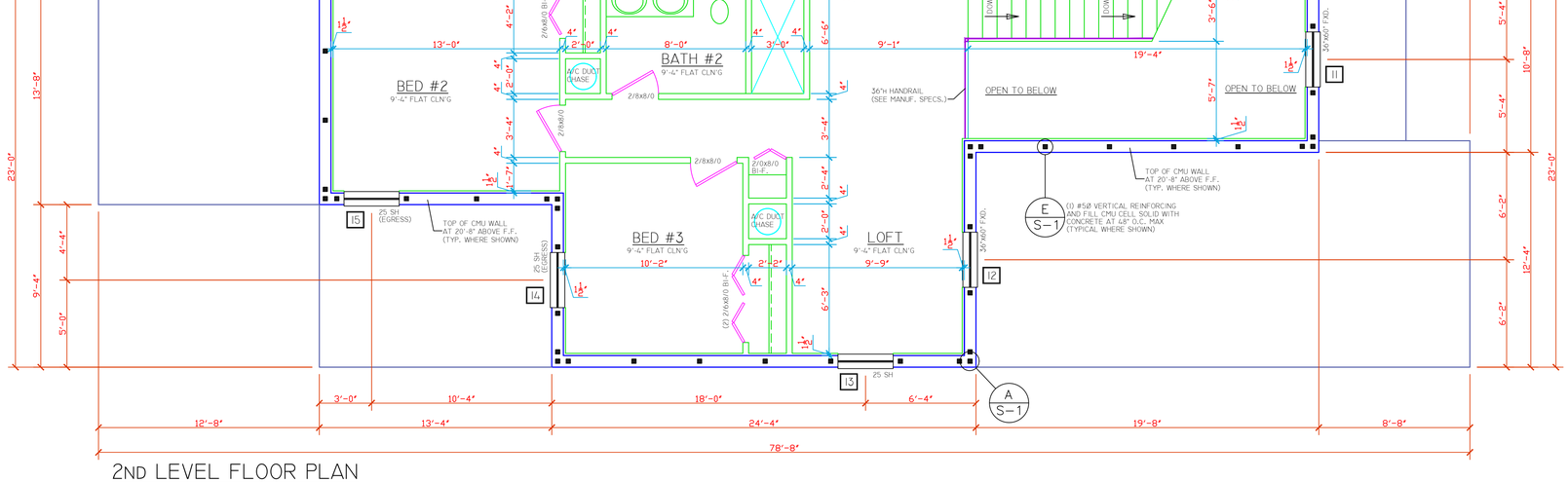
SHEET 1 OF 9

-DRAWN BY-
DANIEL FRECHETTE



1ST LEVEL FLOOR PLAN

SCALE: 1/4" = 1'-0"



2ND LEVEL FLOOR PLAN

SCALE: 1/4" = 1'-0"

BUILDING INFORMATION	
Design Wind Speed	Nominal
Wind Velocity. (mph)	150
Exposure	B
Internal Pressure	Enclosed
Height above ground (z)-(ft.)	0.0
Standard Wall Height - (ft.)	20.7
Mean Roof Height (h) - (ft.)	23.3
Building Width (ft.)	23.0
Building Length (ft.)	78.7
Roof Slope (x:12)	5.0
Roof Angle (degrees)	22.62
(a) Edge Strip (ft.)	3.00
End Zone (ft.)	6.00

ASCE 7-16

Wall Openings

(all wall openings: windows, doors, shutters, etc.)

Wind Load Program

2001 - 2018 ©

Windloadcalc.com

Your Window is Success

WIND LOAD DESIGN INFORMATION

INFO.	APPLYING WIND LOAD FOR:	ZONE	OPENING ELEVATION (ft.)	WIDTH (ft.)	LENGTH (ft.)	EFFECTIVE WIND AREA (sq.ft.)	Nominal Wind Load Pressures	
							MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
WALL OPENING INFORMATION		1	4	3.0	8.0	24.0	22.9	-25.0
		2	**5**	**9.0**	**8.0**	**72.0**	**21.2**	**-26.3**
		3	4	3.2	5.2	16.6	23.5	-25.5
		4	**5**	**6.0**	**8.0**	**48.0**	**21.8**	**-27.6**
		5	4	3.0	8.0	24.0	22.9	-25.0
		6	**4**	**3.2**	**5.2**	**16.6**	**23.5**	**-25.5**
		7	5	3.2	3.3	10.6	24.2	-32.3
		8	**4**	**2.3**	**5.2**	**12.0**	**24.0**	**-26.1**
		9	4	2.3	5.2	12.0	24.0	-26.1
		10	**5**	**3.2**	**5.2**	**16.6**	**23.5**	**-30.9**
		11	4	12	3.0	5.0	15.0	23.6	-25.7
		12	**4**	**12**	**3.0**	**5.0**	**15.0**	**23.6**	**-25.7**
		13	5	12	3.2	5.2	16.6	23.5	-30.9
		14	**5**	**12**	**3.2**	**5.2**	**16.6**	**23.5**	**-30.9**
		15	5	12	3.2	5.2	16.6	23.5	-30.9

STUCCO EXTERIOR FINISH NOTES

EXTERIOR USE OF PORTLAND CEMENT PLASTER SHALL COMPLY WITH THE APPLICATION REQUIREMENTS OF ASTM C 926.

INSTALLATION OF EXTERIOR LATHING AND FRAMING SHALL COMPLY WITH THE APPLICATION REQUIREMENTS OF ASTM C 1063.

WHERE CEMENT PLASTER (STUCCO) IS TO BE APPLIED TO LATH OVER FRAME CONSTRUCTION, MEASURES SHALL BE TAKEN TO PREVENT BONDING BETWEEN THE CEMENT PLASTER AND THE WATER-RESISTIVE BARRIER. A BOND BREAK SHALL BE PROVIDED BETWEEN THE WATER-RESISTIVE BARRIER AND THE CEMENT PLASTER (STUCCO) CONSISTING OF ONE OF THE FOLLOWING:

1. TWO LAYERS OF AN APPROVED WATER-RESISTANT BARRIER MATERIAL; OR
2. ONE LAYER OF AN APPROVED WATER-RESISTANT BARRIER OVER AN APPROVED PLASTIC HOUSE WRAP; OR
3. OTHER APPROVED METHODS OR MATERIALS APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

R703.4FLASHING.
APPROVED METAL FLASHING, VINYL FLASHING, SELF-ADHERED MEMBRANES AND MECHANICALLY ATTACHED FLEXIBLE FLASHING SHALL BE APPLIED SHINGLE-FASHION OR IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. METAL FLASHING SHALL BE CORROSION RESISTANT. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL FLASHING SHALL BE APPLIED IN A MANNER TO PREVENT THE ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA 711. ALL EXTERIOR FENESTRATION PRODUCTS SHALL BE SEALED AT THE JUNCTURE WITH THE BUILDING WALL WITH A SEALANT COMPLYING WITH AAMA 800 OR ASTM C920 CLASS 25 GRADE NS OR GREATER FOR PROPER JOINT EXPANSION AND CONTRACTION. ASTM C1281, AAMA 812, OR OTHER APPROVED STANDARD AS APPROPRIATE FOR THE TYPE OF SEALANT. FLUID-APPLIED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY WITH AAMA 714. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

1. EXTERIOR WINDOW AND DOOR OPENINGS. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER COMPLYING WITH SECTION 703.2 FOR SUBSEQUENT DRAINAGE. MECHANICALLY ATTACHED FLEXIBLE FLASHINGS SHALL COMPLY WITH AAMA 712. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING:
   1.1. THE FENESTRATION MANUFACTURER'S INSTALLATION AND FLASHING INSTRUCTIONS, OR FOR APPLICATIONS NOT ADDRESSED IN THE FENESTRATION MANUFACTURER'S INSTRUCTIONS, IN ACCORDANCE WITH THE FLASHING MANUFACTURER'S INSTRUCTIONS. WHERE FLASHING INSTRUCTIONS OR DETAILS ARE NOT PROVIDED, PAN FLASHING SHALL BE INSTALLED AT THE SILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES.
   1.2. IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL.
   1.3. IN ACCORDANCE WITH OTHER APPROVED METHODS.
   1.4 IN ACCORDANCE WITH FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 OR FMA/AAMA/WDMA 400.
2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
6. AT WALL AND ROOF INTERSECTIONS.
7. AT BUILT-IN GUTTERS.

NOTE:
DRAWINGS INDICATES APPLIED EXTERIOR FINISH OVER APPROVED WATER BARRIER OVER WOOD FRAMING MEMBERS. OWNER IS RESPONSIBLE TO INSTALL ALL REQUIRED SEALANT, FLASHING, ETC TO MAINTAIN WATERPROOF BARRIER TO PREVENT MOISTURE INFILTRATION INTO STRUCTURE. OWNER IS RESPONSIBLE FOR PERIODIC MAINTAINANCE AND UPKEEP OF EXTERIOR APPLIED FINISH TO MAINTAIN WATERPROOF INTEGRITY TO PREVENT DAMAGE TO INTERIOR COMPONENTS

NOTE:
COORDINATE ALL ROUGH OPENINGS FOR EXTERIOR DOORS AND WINDOWS WITH MANUFACTURER'S SPECS.

CABINETRY NOTE:
CABINET LAYOUT SHOWN AT KITCHEN, BATHROOMS, AND ANY OTHER LOCATIONS ARE DIAGRAMMATIC ONLY. COORDINATE FINAL CABINET DESIGN W/OWNER/BUILDER PRIOR TO ANY FABRICATION/INSTALLATION

AA	MIN. 1-3/8" SOLID CORE 20 MINUTE FIRE RATED DOOR
BB	ATTIC ACCESS PANEL. OR ATTIC STAIR ENCLOSURE MUST HAVE A 20 MINUTE FIRE RATING (TYPICAL)

GENERAL NOTES

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3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

DO NOT SCALE DRAWINGS

AREA TABULATION (10-10-22)

1ST LEVEL LIVING	1218 SQ.FT.
2ND LEVEL LIVING	733 SQ.FT.
TOTAL LIVING	1951 SQ.FT.
GARAGE	262 SQ.FT.
ENTRY	50 SQ.FT.
COVERED PORCH	124 SQ.FT.
TOTAL	2350 SQ.FT.

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3 ***

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A2

SHEET 2 OF 9

-DRAWN BY-
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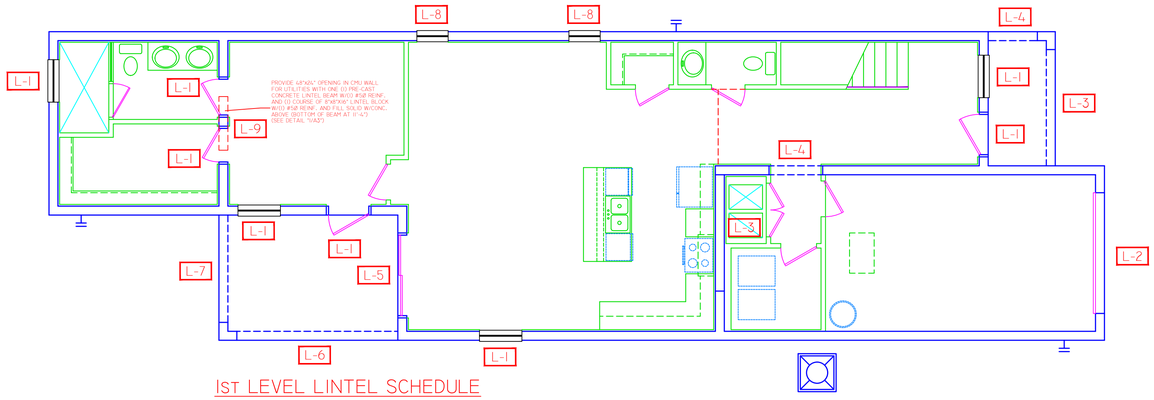
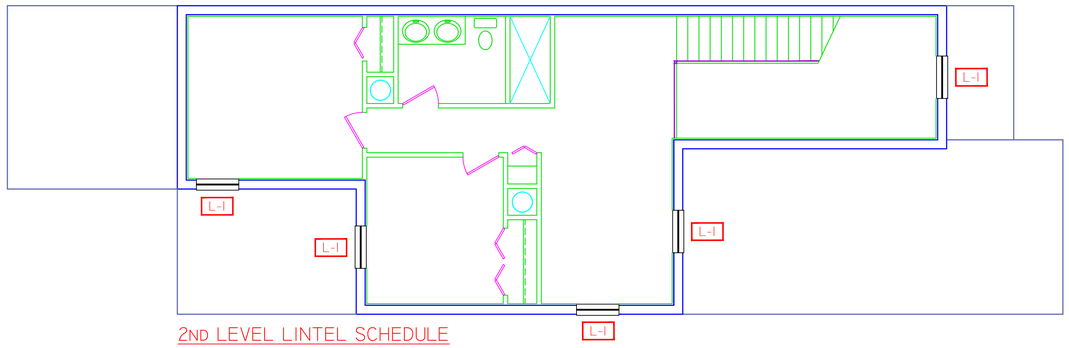


1ST LEVEL LINTEL SCHEDULE

NOT TO SCALE



2ND LEVEL LINTEL SCHEDULE

NOT TO SCALE

SAFE GRAVITY LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS

CAST-CRETE — SAFE LOAD - POUNDS PER LINEAR FOOT

	TYPE	LENGTH	8"16-1B	8"20-1B	LENGTH	TYPE
		2'-10" (34")	8113	7547	2'-10" (34")	PRECAST
			8113	7547		
L-8	PRECAST	3'-6" (42")	6113	7547	3'-6" (42")	PRECAST
			5163	6607		
	PRECAST (MESSED UNTEL)	4'-0" (48")	4520	4890	4'-0" (48")	PRECAST (MESSED UNTEL)
	PRECAST	4'-0" (48")	6113	7547	4'-0" (48")	PRECAST
			3820	4890		
L-1	PRECAST	4'-6" (54")	6113	7547	4'-6" (54")	PRECAST
			4583	5753		
L-4	PRECAST	5'-4" (64")	5365	7547	5'-4" (64")	PRECAST
			4331	6090		
	PRECAST	5'-10" (70")	4360	7168	5'-10" (70")	PRECAST
L-9	PRECAST	6'-6" (78")	3480	5531	6'-6" (78")	PRECAST
			3480	5305		
L-5	PRECAST	7'-6" (90")	2661	3698	7'-6" (90")	PRECAST
			2661	3564		
L-7	PRECAST	9'-4" (112")	1843	2564	9'-4" (112")	PRECAST
			1843	2563		
L-3	PRECAST	10'-6" (126")	1533	2563	10'-6" (126")	PRECAST
			1366	2563		
L-2	PRECAST	11'-4" (136")	1366	1846	11'-4" (136")	PRECAST
			1254	1694		
	PRECAST	12'-0" (144")	1254	1694	12'-0" (144")	PRECAST
			1225	1428		
L-6	PRECAST	13'-4" (160")	1075	1428	13'-4" (160")	PRECAST
			1020	1326		
	PRECAST	14'-0" (168")	1002	1326	14'-0" (168")	PRECAST
	PRESTRESSED	14'-8" (176")	NR	NR	14'-8" (176")	PRESTRESSED
			1370	1902		
	PRESTRESSED	15'-4" (184")	NR	NR	15'-4" (184")	PRESTRESSED
			1250	1733		
	PRESTRESSED	17'-4" (208")	NR	NR	17'-4" (208")	PRESTRESSED
			990	1326		
	PRESTRESSED	19'-4" (232")	NR	NR	19'-4" (232")	PRESTRESSED
			750	1037		
	PRESTRESSED	21'-4" (256")	NR	NR	21'-4" (256")	PRESTRESSED
			588	845		
	PRESTRESSED	22'-0" (264")	NR	NR	22'-0" (264")	PRESTRESSED
			550	764		
	PRESTRESSED	24'-0" (288")	NR	NR	24'-0" (288")	PRESTRESSED
			450	654		

(#) THE NUMBERS IN PARENTHESIS ARE PERCENT REDUCTIONS FOR GR40 FIELD ADDED REBAR.

LINTEL L.D. — LINTEL SAFE LOAD

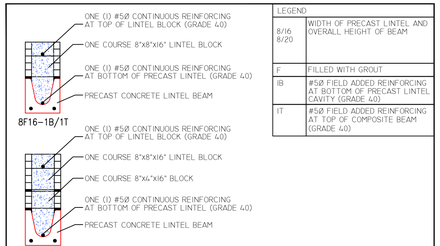
SAFE UPLIFT LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS

CAST-CRETE — SAFE LOAD - POUNDS PER LINEAR FOOT

	TYPE	LENGTH	8"16-1T	8"20-1T	LENGTH	TYPE
		2'-10" (34")	4460	5747	2'-10" (34")	PRECAST
			4460	5747		
L-8	PRECAST	3'-6" (42")	3547	4569	3'-6" (42")	PRECAST
			3547	4569		
	PRECAST (MESSED UNTEL)	4'-0" (48")	3079	3966	4'-0" (48")	PRECAST (MESSED UNTEL)
	PRECAST	4'-0" (48")	3079	3966	4'-0" (48")	PRECAST
			3079	3966		
L-1	PRECAST	4'-6" (54")	2724	3508	4'-6" (54")	PRECAST
				3508		
L-4	PRECAST	5'-4" (64")	2290	2948	5'-4" (64")	PRECAST
			2290	2948		
	PRECAST	5'-10" (70")	2093	2694	5'-10" (70")	PRECAST
			2093	2694		
L-9	PRECAST	6'-6" (78")	1880	2419	6'-6" (78")	PRECAST
			1880	2419		
L-5	PRECAST	7'-6" (90")	1634 (#)	2102	7'-6" (90")	PRECAST
				2102		
L-7	PRECAST	9'-4" (112")	1133 (#)	1471	9'-4" (112")	PRECAST
			914 (#)	1705		
L-3	PRECAST	10'-6" (126")	1183	1522	10'-6" (126")	PRECAST
L-2	PRECAST	11'-4" (136")	798	1034 (#)	11'-4" (136")	PRECAST
			1023	1422		
	PRECAST	12'-0" (144")	723 (#)	936 (#)	12'-0" (144")	PRECAST
			928	1349		
L-6	PRECAST	13'-4" (160")	606 (#)	783 (#)	13'-4" (160")	PRECAST
			770	1145		
	PRECAST	14'-0" (168")	559 (#)	723 (#)	14'-0" (168")	PRECAST
			709	1050		
	PRESTRESSED	14'-8" (176")	519 (#)	671 (#)	14'-8" (176")	PRESTRESSED
			655	968		
	PRESTRESSED	15'-4" (184")	485 (#)	626 (#)	15'-4" (184")	PRESTRESSED
			609	897		
	PRESTRESSED	17'-4" (208")	404 (#)	520 (#)	17'-4" (208")	PRESTRESSED
			500	732		
	PRESTRESSED	19'-4" (232")	347 (#)	446 (#)	19'-4" (232")	PRESTRESSED
			424	618		
	PRESTRESSED	21'-4" (256")	306 (#)	393 (#)	21'-4" (256")	PRESTRESSED
			369	531		
	PRESTRESSED	22'-0" (264")	295 (#)	378 (#)	22'-0" (264")	PRESTRESSED
			354	508		
	PRESTRESSED	24'-0" (288")	287 (#)	341 (#)	24'-0" (288")	PRESTRESSED
			316	450		

(#) THE NUMBERS IN PARENTHESIS ARE PERCENT REDUCTIONS FOR GR40 FIELD ADDED REBAR.

LINTEL SAFE LOAD — LINTEL L.D.



LINTEL SECTIONS N.T.S.

SPECIFICATIONS

ENGINEERING

PRODUCT DESCRIPTION

High strength precast concrete lintels designed to be unfilled or filled to form a composite reinforced beam using concrete masonry units.

MATERIALS

- f'c 8" precast lintels = 3500 psi
- f'c 8" prestressed, 6" and 12" precast lintels = 6000 psi
- f'c 4" precast lintels = 3000 psi
- Grout per ASTM C476 f'g = 3000 psi w/ maximum 3/8 inch aggregate and 8 to 11 inch slump.
- Concrete masonry units (CMU) per ASTM C90 with minimum net area compressive strength = 1900 psi
- Rebar per ASTM A615 Grade 60
- Prestressing strand per ASTM A416 Grade 270 low relaxation
- 7/32 inch wire per ASTM A510
- Mortar per ASTM C270 Type M or S

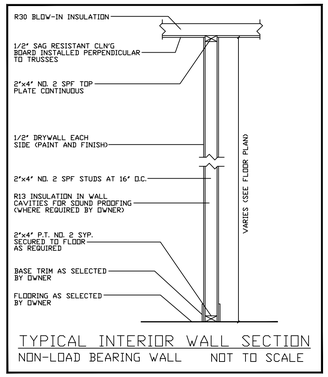
GENERAL NOTES

1. Provide full mortar head and bed joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with architectural and/or structural drawings.
4. U-lintels are manufactured with 5-1/2 inch long notches at ends to accomodate vertical cell reinforcing and grouting.
5. Reference the CAST-CRETE Load Deflection Graph Brochure for lintel deflection information.
6. Bottom field added rebar to be located at the bottom of lintel cavity.
7. 7/32 inch diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530
10. Product Approvals Miami Dade County, Florida Nos. 13-1605.05 and 13-1605.24. Florida Certificate of Product Approval number FL1358.
11. The exterior surface of lintels installed in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C926 or other approved coating.
12. Lintels loaded simultaneously with vertical (gravity or uplift) and horizontal (lateral) loads should be checked for the combined loading with the following equation

$$\frac{\text{Applied vertical load}}{\text{Safe vertical load}} + \frac{\text{Applied horizontal load}}{\text{Safe horizontal load}} \leq 1.0$$

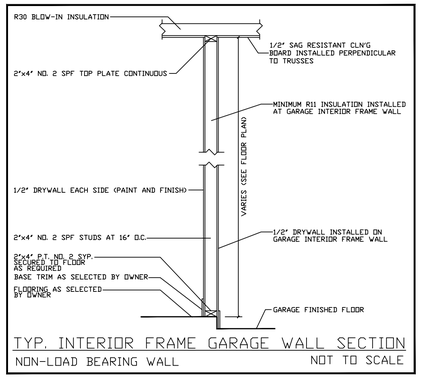
SAFE LOAD TABLE NOTES

1. All values based on minimum 4 inch nominal bearing. Exception Safe loads for certified lintels must be reduced by 20 % if bearing length is less than 6-1/2 inches.
2. N.R. = Not Rated.
3. Safe loads are superimposed allowable load.
4. Safe loads based on Grade 40 or Grade 60 field rebar.
5. Additional lateral load capacity can be obtained by the designer by providing additional reinforced masonry above the precast lintel. See Reinforced CMU on Page 4.
6. One #7 rebar may be substituted for two #5 rebars in 8" lintels only.
7. The designer may evalute concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d=sexy from the face of support.
8. For composite lintel heights not shown, use safe load from next lower height.
9. For lintel lengths not shown, use safe load from next longest length.
10. All safe loads in units of pounds per linear foot.
11. All safe loads based on simply supported span.
12. The number in the parenthesis indicates the percent reduction for grade 40 field added rebar. Example: 7'-6" lintel Type 8F32-1B safe gravity load = 6472 (25) w/ 25% reduction =3 (6472 (.25)) = 5501 plf



TYPICAL INTERIOR WALL SECTION

NON-LOAD BEARING WALL NOT TO SCALE



TYP. INTERIOR FRAME GARAGE WALL SECTION

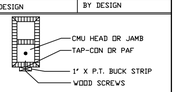
NON-LOAD BEARING WALL NOT TO SCALE

WINDOW AND DOOR BUCK INSTALLATION (MASONRY)

MASONRY	TAP-CONS	PAF'S	PDN'S
ROUGH OP'NG.	BUCK TO HEAD AND JAMB		
UP TO 8'-0"	3/16" @ 16" O.C.	.145 @ 8" O.C.	.120 @ 6" O.C.
8'-1" TO 10'-0"	3/16" @ 12" O.C.	.145 @ 6" O.C.	.120 @ 6" O.C.
10'-1" TO 12'-0"	3/16" @ 8" O.C.	.145 @ 4" O.C.	.120 @ 4" O.C.
12'-1" AND BEYOND	BY DESIGN	BY DESIGN	BY DESIGN

LEGEND:
PAF = POWDER ACTUATED FASTENERS
PDN = PNEUMATICALLY DRIVEN FASTENERS

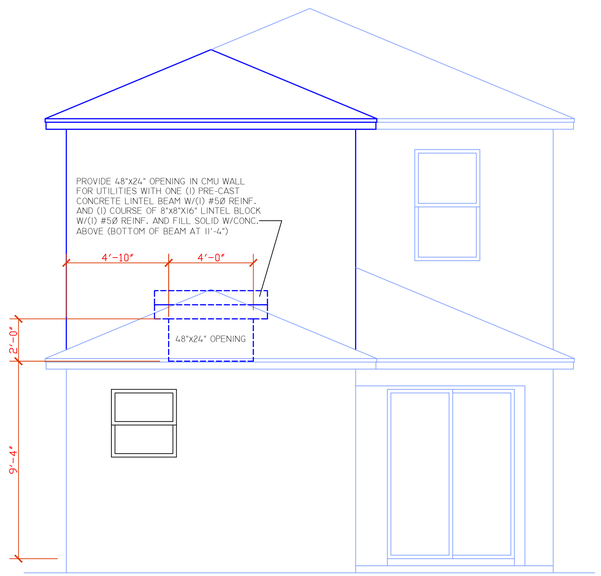
NOTES:
- MAINTAIN 3" EDGE CLEARANCE FOR PAF'S
- EMBED PAF'S 1.25" MIN. INTO CMU OR CONC.
- EMBED TAP-CONS 1.50" MIN. INTO CMU OR CONC.



NOTE: FOAM SEAL AT ALL BUCKS, WINDOWS AND DOORS

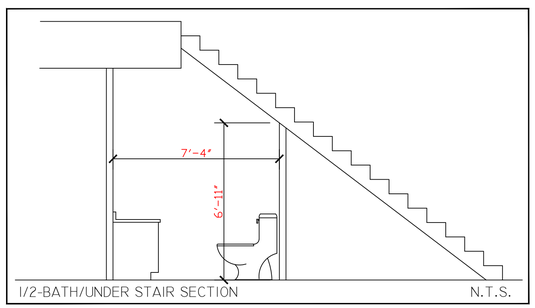
NOTE: IF DOOR/WINDOW BUCK IS LESS THAN 1-1/2", DOOR/WINDOW MUST BE ANCHORED THROUGH JAMB INTO THE STRUCTURAL SUBSTRATE

NOTE: WINDOWS AND DOORS SHALL BE ANCHORED PER MANUFACTURERS SPECIFICATIONS



DETAIL "I"

NOT TO SCALE



1/2-BATH/UNDER STAIR SECTION N.T.S.

GENERAL NOTES

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3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

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SHEET 3 OF 9

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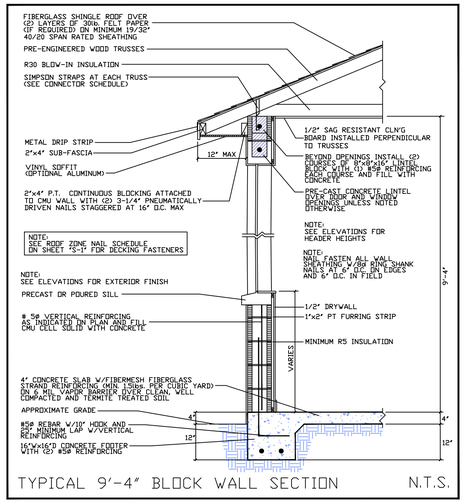
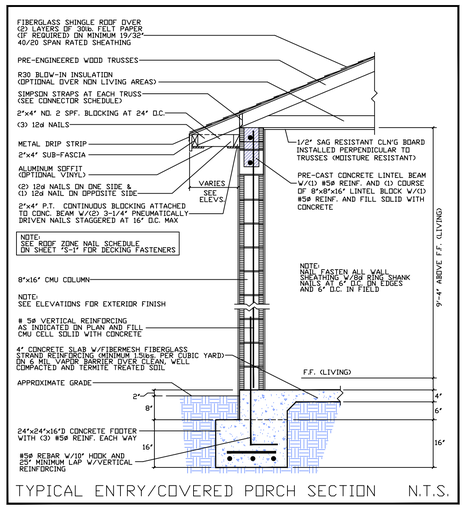
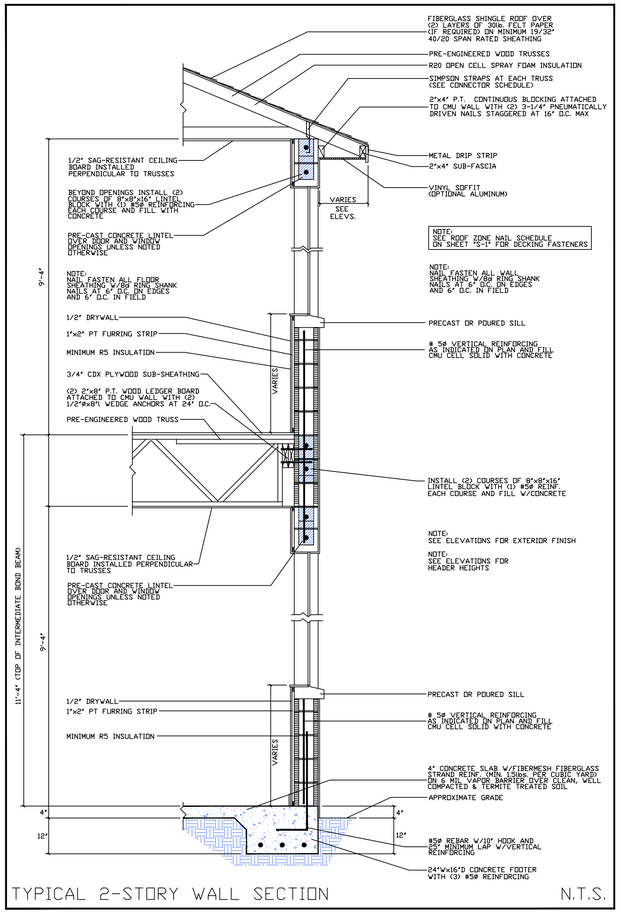


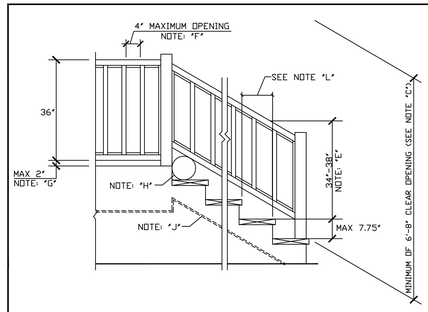
TYPICAL 9'-4" BLOCK WALL SECTION N.T.S.



TYPICAL ENTRY/COVERED PORCH SECTION N.T.S.



TYPICAL 2-STORY WALL SECTION N.T.S.



STAIR/GUARD RAIL NOTES:

A. THE GREATEST RISER HEIGHT WITHIN A FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".

B. WIDTH OF STAIRS SHALL BE A MINIMUM OF 36"

C. THE MINIMUM HEADROOM IN ALL PARTS OF THE STAIRWAY SHALL NOT BE LESS THAN 6 FEET 8 INCHES (2036 MM) MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM.

D. NOSINGS AT TREADS, LANDINGS AND FLOORS OF STAIRWAYS SHALL HAVE A RADIUS OF CURVATURE AT THE NOSING NOT GREATER THAN 9/16 INCH (14 MM) OR A BEVEL NOT EXCEEDING 1/2 INCH (12.7 MM). A NOSING PROJECTION NOT LESS THAN 3/4 INCH (19 MM) AND NOT MORE THAN 1-1/4 INCHES (32 MM) SHALL BE PROVIDED ON STAIRWAYS. THE GREATEST NOSING PROJECTION SHALL NOT EXCEED THE SMALLEST NOSING PROJECTION BY MORE THAN 3/8 INCH (9.5 MM) WITHIN A STAIRWAY.

EXCEPTION A NOSING PROJECTION IS NOT REQUIRED WHERE THE TREAD DEPTH IS NOT LESS THAN 11 INCHES (279 MM).

E. HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH FLIGHT WITH FOUR OR MORE RISERS HANDRAIL HEIGHT IS MEASURED VERTICALLY FROM THE THE LEADING EDGE OF A TREAD. INSTALL RAILING AT 34" MINIMUM TO 38" MAXIMUM HEIGHT VERTICALLY.

F. OPENINGS IN ALL RAILINGS MUST BE DESIGNED SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH.

G. TOE SPACE OPENING WILL NOT ALLOW PASSAGE OF A 2" DIAMETER SPHERE

H. THE TRIANGULAR OPENING FORMED BY THE RISER, TREAD, AND BOTTOM RAIL OF THE GUARD AT THE OPEN SIDE OF A STAIRWAY MUST BE DESIGNED SUCH THAT A 6" DIAMETER SPHERE CANNOT PASS THROUGH.

I. THE WIDTH OF LANDINGS SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRS THEY SERVE. EVERY LANDING SHALL HAVE A MINIMUM 36" DIMENSION MEASURED IN THE DIRECTION OF TRAVEL EQUAL TO THE WIDTH OF THE STAIRWAY.

NOTE: OPEN RISERS OPTIONAL

J. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-INCH GYPSUM BOARD ATTACHED WITH #8x1-5/8" BUGLE-HEAD DRYWALL SCREWS INSTALLED AT 12" O.C. MAX AS REQUIRED

K. HANDRAIL GRIP SIZE FOR CIRCULAR CROSS SECTIONS SHALL BE NO LESS THAN 1-1/4" AND NO MORE THAN 2" IN DIAMETER. NON-CIRCULAR HANDRAILS SHALL HAVE AN OVERALL PERIMETER DIMENSION OF AT LEAST 4" AND NOT GREATER THAN 6-1/4" WITH A MAX CROSS SECTION DIMENSION OF 2-1/4". HANDRAILS WITH A PERIMETER GREATER THAN 6-1/4" SHALL PROVIDE A GRASPABLE FINGER RECESS AREA ON BOTH ON BOTH SIDES. FINGER RECESS SHALL BEGIN WITHIN 3/4" MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND ACHIEVE A DEPTH OF 5/16" AND NO MORE THAN 7/8". THE REQUIRED DEPTH SHALL CONTINUE FOR AT LEAST 3/8" TO A LEVEL THAT IS NOT LESS THAN 1-3/4" BELOW THE TALLEST PORTION OF THE PROFILE.

L. THE MINIMUM TREAD DEPTH SHALL BE 10 INCHES (254 MM). THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE. THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH (9.5 MM). CONSISTENTLY SHAPED WINDERS AT THE WALKLINE SHALL BE ALLOWED WITHIN THE SAME FLIGHT OF STAIRS AS RECTANGULAR TREADS AND DO NOT HAVE TO BE WITHIN 3/8 INCH (9.5 MM) OF THE RECTANGULAR TREAD DEPTH. WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH OF 10 INCHES (254 MM) MEASURED BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AT THE INTERSECTIONS WITH THE WALKLINE. WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH OF 6 INCHES (152 MM) AT ANY POINT WITHIN THE CLEAR WIDTH OF THE STAIR. WITHIN ANY FLIGHT OF STAIRS, THE LARGEST WINDER TREAD DEPTH AT THE WALKLINE SHALL NOT EXCEED THE SMALLEST WINDER TREAD BY MORE THAN 3/8 INCH (9.5 MM).

INTERIOR STAIR DETAIL N.T.S.

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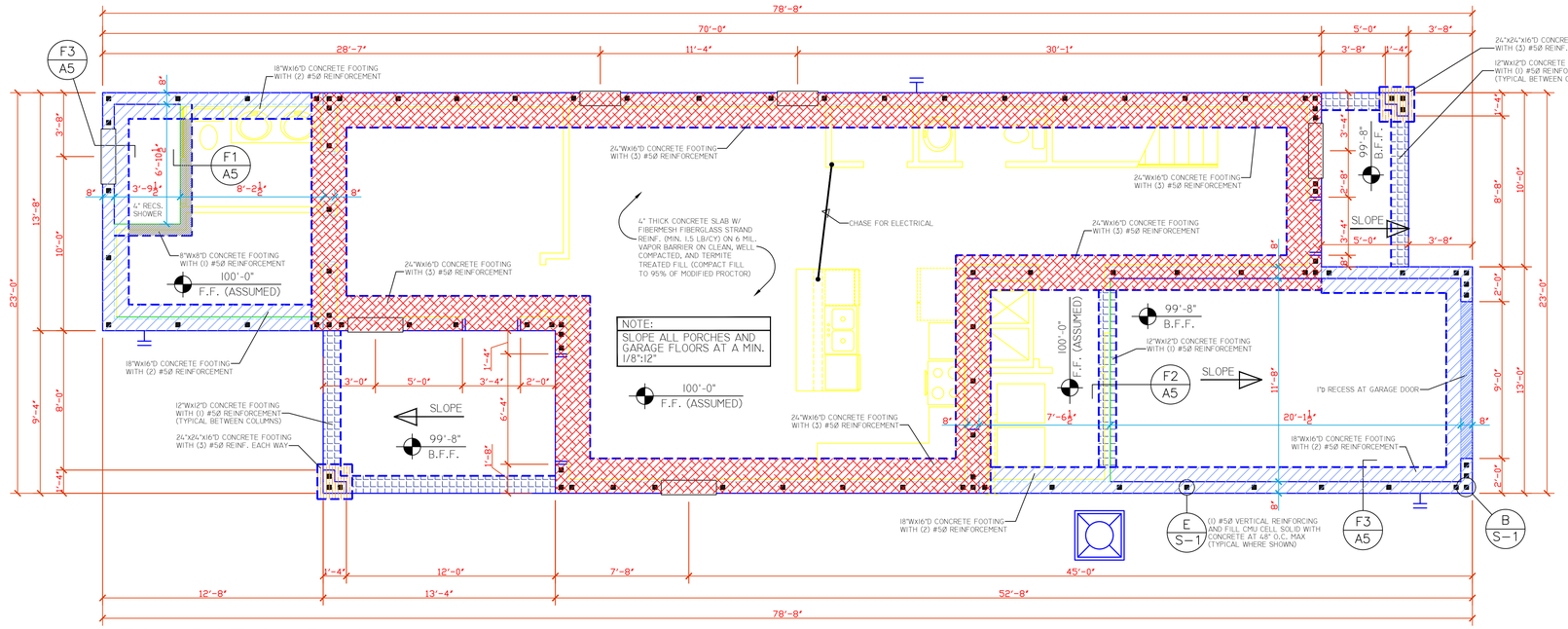


FOUNDATION PLAN

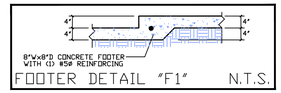
SCALE: 1/4"=1'-0"

SITE PREPARATION NOTES:

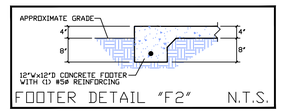
THE PROPOSED BUILDING AREA, PLUS A MINIMUM MARGIN OF FIVE FEET BEYOND THE PROPOSED BUILDING LIMITS SHALL BE STRIPPED AND GRUBBED OF SURFACE DEBRIS, INCLUDING VEGETATION, ROOTS AND ORGANIC MATTER AND ANY REMNANTS OF PREVIOUS CONSTRUCTION SUCH AS OLD FOOTINGS AND SLABS.

THE BUILDING AND PAVEMENT AREAS SHALL BE FILLED TO THE DESIRED GRADES. THE HORIZONTAL PORTION OF THE BUILDING PAD SHALL EXTEND A MINIMUM FIVE FEET BEYOND THE BUILDING AND PAVEMENT AREAS. CLEAN IMPORTED FILL MATERIAL SHALL BE PLACED IN MAXIMUM LOOSE LAYERS OF 12 INCH LIFTS IN THICKNESS. EACH LIFT SHALL BE COMPACTED TO 95% OF A MODIFIED PROCTOR.

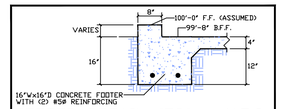
FIELD DENSITY TESTS AND ON-SITE INSPECTION ARE REQUIRED TO BE PERFORMED, BY A STATE OF FLORIDA LICENSED GEOTECHNICAL ENGINEER, AT APPROPRIATE TIMES DURING THE EARTH WORK OPERATIONS IN ORDER TO VERIFY THAT THE SITE PREPARATIONS HAVE BEEN PROPERLY CONSTRUCTED. A MINIMUM SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT IS REQUIRED.



FOOTER DETAIL "F1" N.T.S.



FOOTER DETAIL "F2" N.T.S.



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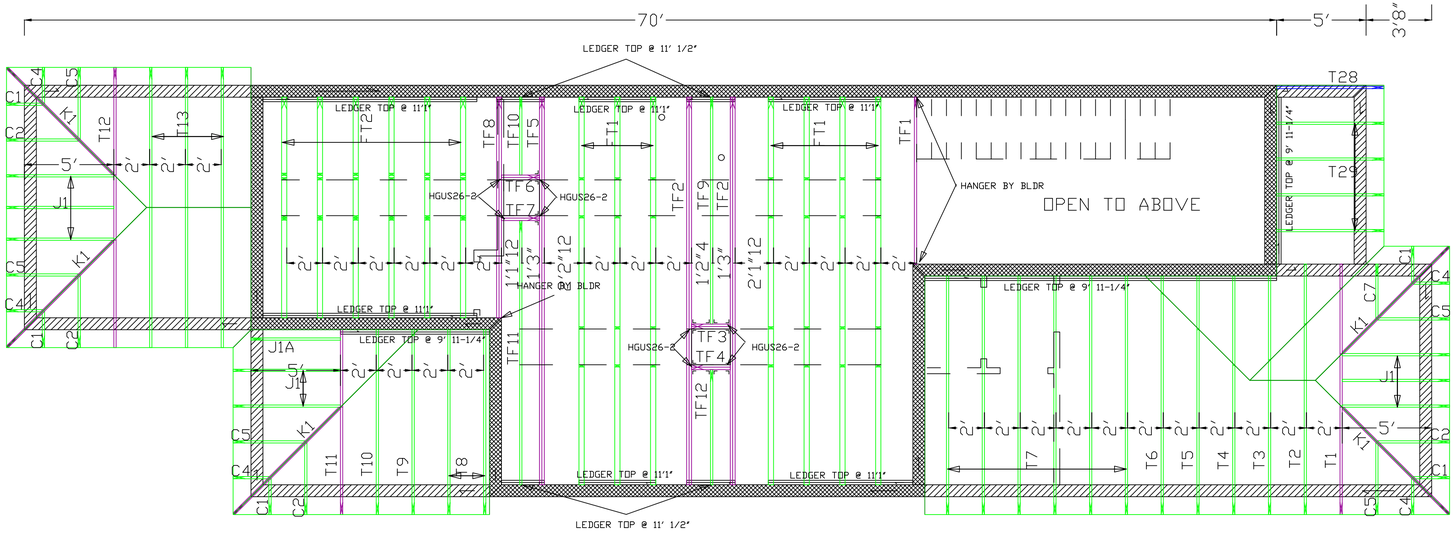
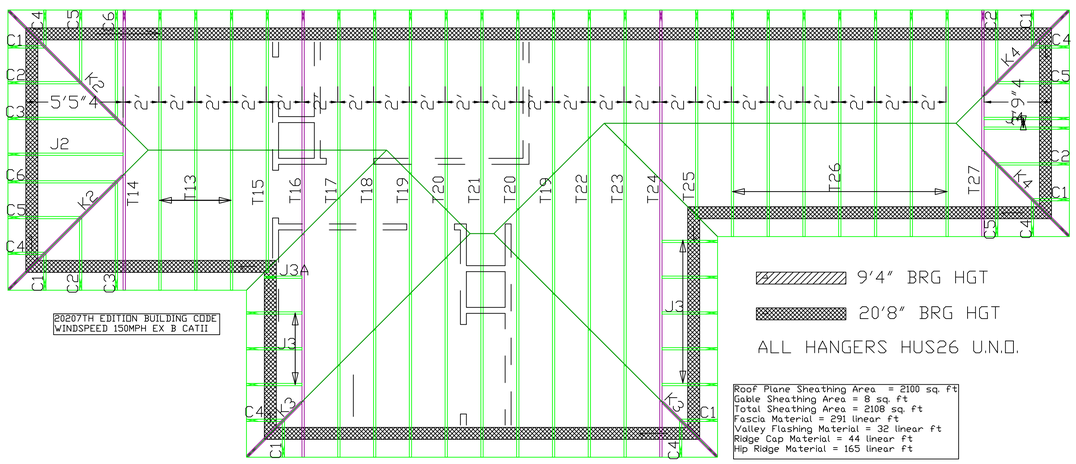




2020 7TH EDITION BUILDING CODE
WINDSPEED 150MPH EX B CAT II

Roof Plane Sheathing Area	= 2100 sq. ft
Gable Sheathing Area	= 8 sq. ft
Total Sheathing Area	= 2108 sq. ft
Fascia Material	= 291 linear ft
Valley Flashing Material	= 32 linear ft
Ridge Cap Material	= 44 linear ft
Hip Ridge Material	= 165 linear ft

JobKey: 22-0584
Company: Central Florida Truss
Address: 2955 Pineda Plaza Way #109
Melbourne, FL 32940
Phone: (321)259-7507
Site Address:
MELBOURNE,FL,-

SUPPORT REPORT — JOB DESCRIPTION: 22-0584
WIND CODE: ASCE 7-16 — WIND MPH: 150 — BLDG TYPE: CLOSED

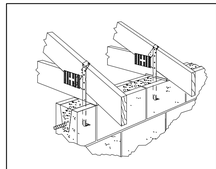
TRUSS DESC.	TRUSS SPAN-FT	SIZE-IN.	SUPPORT TYPE	BEARING XLOC-FT, YLOC-FT, MAX.+#	BEARING UPLIFT-#	REACT, REACT, MAX WIND MAX.-#	REACT, REACT, MAX WIND UPLIFT-#
FT1	21.67	3.00	WALL	0.000	11.083	1405	0
FT1	21.67	3.00	WALL	21.417	11.083	1405	0
FT2	12.33	3.00	WALL	0.000	11.083	799	0
FT2	12.33	3.00	WALL	12.083	11.083	801	0
TF1	9.33	3.00	*SPECIAL	0.000	9.333	607	0
TF1	9.33	3.00	*SPECIAL	9.083	9.333	607	0
TF2	21.67	3.00	WALL	0.000	11.042	1672	0
TF2	21.67	3.00	WALL	21.417	11.042	1862	0
TF3	2.17	3.00	*SPECIAL	0.000	9.333	534	0
TF3	2.17	3.00	*SPECIAL	1.917	9.333	565	0
TF4	2.17	3.00	*SPECIAL	0.000	9.333	338	0
TF4	2.17	3.00	*SPECIAL	1.917	9.333	354	0
TF5	21.67	3.00	WALL	0.000	11.042	1947	0
TF5	21.67	3.00	WALL	21.417	11.042	1617	0
TF6	2.13	3.00	*SPECIAL	0.000	9.333	278	0
TF6	2.13	3.00	*SPECIAL	1.875	9.333	273	0
TF7	2.13	3.00	*SPECIAL	0.000	9.333	623	0
TF7	2.13	3.00	*SPECIAL	1.875	9.333	605	0
TF8	12.33	3.00	WALL	0.000	11.042	1275	0
TF8	12.33	3.00	*SPECIAL	12.083	9.333	1208	0
TF9	12.69	3.00	WALL	0.000	11.042	850	0
TF9	12.69	3.00	*SPECIAL	12.438	9.333	816	0
TF10	4.35	3.00	*SPECIAL	0.000	11.042	288	0
TF10	4.35	3.00	*SPECIAL	4.104	9.333	275	0
TF11	14.77	3.00	*SPECIAL	0.000	9.333	952	0
TF11	14.77	3.00	WALL	14.521	11.042	965	0
TF12	6.44	3.00	*SPECIAL	0.000	9.333	410	0
TF12	6.44	3.00	WALL	6.187	11.042	424	0
T1	13.00	8.00	WALL	0.000	9.333	1110	-250
T1	13.00	8.00	WALL	12.333	9.333	1027	-219
T2	13.00	8.00	WALL	0.000	9.333	555	-113
T2	13.00	8.00	WALL	12.333	9.333	482	-101
T3	12.33	8.00	WALL	0.000	9.333	525	-102
T3	12.33	3.00	WALL	12.083	9.938	453	-106
T4	12.33	8.00	WALL	0.000	9.333	525	-97
T4	12.33	3.00	WALL	12.083	9.938	453	-115
T5	12.33	8.00	WALL	0.000	9.333	525	-89
T5	12.33	3.00	WALL	12.083	9.938	453	-120
T6	12.33	8.00	WALL	0.000	9.333	525	-79
T6	12.33	3.00	WALL	12.083	9.938	453	-129
T7	12.33	8.00	WALL	0.000	9.333	525	-74
T7	12.33	3.00	WALL	12.083	9.938	453	-133
T8	9.33	8.00	WALL	0.000	9.333	413	-59
T8	9.33	3.00	WALL	9.083	9.938	359	-102
T9	9.33	8.00	WALL	0.000	9.333	413	-61
T9	9.33	3.00	WALL	9.083	9.938	321	-94
T10	9.33	8.00	WALL	0.000	9.333	413	-71
T10	9.33	3.00	WALL	9.083	9.938	359	-92
T11	9.33	8.00	WALL	0.000	9.333	664	-154
T11	9.33	3.00	WALL	9.083	9.938	864	-195
T12	13.67	8.00	WALL	0.000	9.333	1111	-249
T12	13.67	8.00	WALL	13.000	9.333	1111	-249
T13	13.67	8.00	WALL	0.000	20.667	573	-198
T13	13.67	8.00	WALL	13.000	20.667	573	-198
T14	13.67	8.00	WALL	0.000	20.667	970	-361
T14	13.67	8.00	WALL	13.000	20.667	978	-364
T15	13.67	8.00	WALL	0.000	20.667	576	-199
T15	13.67	8.00	WALL	13.000	20.667	511	-171
T16	23.00	8.00	WALL	0.000	20.667	949	-340
T16	23.00	8.00	WALL	22.333	20.667	975	-366
T17	23.00	8.00	WALL	0.000	20.667	924	-318
T17	23.00	8.00	WALL	22.333	20.667	924	-320
T18	23.00	8.00	WALL	0.000	20.667	924	-318
T18	23.00	8.00	WALL	22.333	20.667	924	-320
T19	23.00	8.00	WALL	0.000	20.667	924	-324
T19	23.00	8.00	WALL	22.333	20.667	924	-324
T20	23.00	8.00	WALL	0.000	20.667	924	-330
T20	23.00	8.00	WALL	22.333	20.667	924	-330
T21	23.00	8.00	WALL	0.000	20.667	924	-334
T21	23.00	8.00	WALL	22.333	20.667	924	-334
T22	23.00	8.00	WALL	0.000	20.667	924	-318
T22	23.00	8.00	WALL	22.333	20.667	924	-318
T23	23.00	8.00	WALL	0.000	20.667	924	-314
T23	23.00	8.00	WALL	22.333	20.667	924	-346
T24	23.00	8.00	WALL	0.000	20.667	947	-335
T24	23.00	8.00	WALL	22.333	20.667	961	-358
T25	10.67	8.00	WALL	0.000	20.667	464	-159
T25	10.67	8.00	WALL	10.000	20.667	397	-130
T26	10.67	8.00	WALL	0.000	20.667	460	-157
T26	10.67	8.00	WALL	10.000	20.667	460	-157
T27	10.67	8.00	WALL	0.000	20.667	709	-251
T27	10.67	8.00	WALL	10.000	20.667	709	-251
T28	5.00	60.00	WALL	0.000	9.333	435	-92
T29	5.00	8.00	WALL	0.000	9.333	253	-39
T29	5.00	3.00	WALL	4.750	9.938	173	-56
J1	5.00	8.00	WALL	0.000	9.333	259	-41
J1	5.00	1.50	NAILED	5.000	9.333	92	0
J1	5.00	1.50	NAILED	5.000	11.642	122	-65
J1A	5.00	8.00	WALL	0.000	9.333	192	-21
J1A	5.00	1.50	NAILED	5.000	9.333	92	0
J1A	5.00	1.50	NAILED	5.000	11.642	127	-64
J2	5.44	8.00	WALL	0.000	20.667	275	-74
J2	5.44	1.50	NAILED	5.438	20.667	101	0
J2	5.44	1.50	NAILED	5.438	23.158	134	-96
J3	2.10	8.00	WALL	0.000	20.667	161	-47
J3	2.10	1.50	NAILED	2.104	20.667	37	0
J3	2.10	1.50	NAILED	2.104	21.769	39	-32
J3A	2.10	8.00	WALL	0.000	20.667	83	-15
J3A	2.10	1.50	NAILED	2.104	20.667	39	0
J3A	2.10	1.50	NAILED	2.104	21.769	53	-38
J4	3.77	8.00	WALL	0.000	20.667	215	-59
J4	3.77	1.50	NAILED	3.771	20.667	69	0
J4	3.77	1.50	NAILED	3.771	22.464	89	-65
K1	7.01	10.56	WALL	0.000	9.333	178	-40
K1	7.01	1.50	NAILED	7.009	9.333	85	0
K1	7.01	1.50	NAILED	7.009	11.624	199	-80
K2	7.63	10.56	WALL	0.000	20.667	224	-82
K2	7.63	1.50	NAILED	7.627	20.667	100	0
K2	7.63	1.50	NAILED	7.627	23.140	236	-136
K3	2.91	10.56	WALL	0.000	20.667	59	-24
K3	2.91	1.50	NAILED	2.913	20.667	11	0
K3	2.91	1.50	NAILED	2.913	21.751	26	-15
K4	5.27	10.56	WALL	0.000	20.667	134	-51
K4	5.27	1.50	NAILED	5.270	20.667	44	0
K4	5.27	1.50	NAILED	5.270	22.445	106	-60
C1	1.04	8.00	WALL	0.000	20.667	142	-48
C1	1.04	1.50	NAILED	1.037	20.667	16	-0
C1	1.04	1.50	NAILED	1.037	21.324	16	-8 -18
C2	3.04	8.00	WALL	0.000	20.667	190	-54
C2	3.04	1.50	NAILED	3.037	20.667	55	0
C2	3.04	1.50	NAILED	3.037	22.158	68	-51
C3	5.04	8.00	WALL	0.000	20.667	260	-71
C3	5.04	1.50	NAILED	5.037	20.667	93	0
C3	5.04	1.50	NAILED	5.037	22.991	123	-89
C4	1.04	8.00	WALL	0.000	20.667	142	-48
C4	1.04	1.50	NAILED	1.037	20.667	16	-0
C4	1.04	1.50	NAILED	1.037	21.324	16	-8 -18
C5	3.04	8.00	WALL	0.000	20.667	190	-54
C5	3.04	1.50	NAILED	3.037	20.667	55	0
C5	3.04	1.50	NAILED	3.037	22.158	68	-51
C6	5.04	8.00	WALL	0.000	20.667	260	-71
C6	5.04	1.50	NAILED	5.037	20.667	93	0
C6	5.04	1.50	NAILED	5.037	22.991	123	-89
C7	3.04	8.00	WALL	0.000	9.333	118	-12
C7	3.04	1.50	NAILED	3.037	9.333	56	0
C7	3.04	1.50	NAILED	3.037	10.826	77	-40

* DENOTES A CONNECTION CALCULATED BY THE LAYOUT PROGRAM.
REFER TO THE ALPINE HARDWARE CATALOG FOR A COMPLETE LIST OF CONNECTIONS.

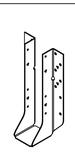
NOTE:
TRUSS LAYOUT DESIGN AND CERTIFICATION BY STATE OF FLORIDA LICENSED SPECIALTY TRUSS ENGINEER. ENGINEER OF RECORD DOES NOT CERTIFY TRUSS DESIGN/LAYOUT AS DEPICTED ON THESE DRAWINGS. ALL TRUSS TO TRUSS CONNECTIONS, INCLUDING TRUSSES TO GIRDERS (HANGERS) SHALL BE PROVIDED BY TRUSS COMPANY.

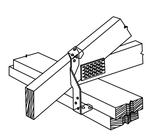
CONNECTOR SCHEDULE

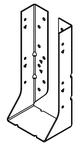
TRUSS ID/DESCRIPTION:	CONNECTOR
FT1, FT2, TF2-TF12	* AT WOOD LEDGER BOARD ONE (1) SIMPSON H2.5A ANCHOR WITH (10) 8d NAILS EACH
	* AT TRUSS TO TRUSS BY TRUSS COMPANY
TF1	* AT CMU WALL (AT LEFT CMU WALL) ONE (1) SIMPSON HUC26-2 HANGER W/(8) 1/4"dx2-3/4" TITENS AND (4) 10d NAILS (PROVIDE 8"x6"x18"1 BLOCKING AT HANGER LOCATION TO FUR OUT TRUSS)
	* AT CMU WALL (AT RIGHT CMU WALL) ONE (1) SIMPSON HU26 HANGER W/(4) 1/4"dx2-3/4" TITENS AND (2) 10dx1-1/2"1 NAILS
T1-T29, J1-J4, J1A, J3A, K1-K4, C1-C7	* AT CMU WALL ONE (1) SIMPSON HETA20 STRAP W/(9) 10dx1-1/2"1 NAILS EACH
	* AT WOOD BEAM/FRAME WALL ONE (1) SIMPSON HTS20 STRAP W/(24) 10dx1-1/2"1 NAILS EACH
	* AT TRUSS TO TRUSS BY TRUSS COMPANY
ALL ANCHORS ARE SIMPSON ANCHORS UNLESS NOTED OTHERWISE	

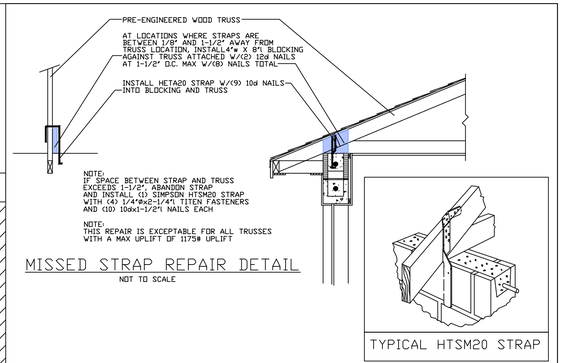

TYPICAL HETA20 STRAP


TYPICAL H2.5A ANCHOR


TYPICAL HU26 HANGER


TYPICAL HTS20 STRAP


TYPICAL HUC26-2 HANGER



MISSED STRAP REPAIR DETAIL
NOT TO SCALE

TYPICAL HTSM20 STRAP

TYPICAL CONNECTOR DETAILS — N.T.S.

GENERAL NOTES
1. THESE DRAWINGS WERE PREPARED WITH THE ASSUMPTION THE CONTRACTOR/OWNER BUILDER IS KNOWLEDGEABLE OF COMMON CONSTRUCTION PRACTICES.
2. THE CONTRACTOR/OWNER-BUILDER SHALL REVIEW DRAWINGS FOR ACCURACY AND INTERPRETATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS PRIOR TO CONSTRUCTION.
3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

DO NOT SCALE DRAWINGS

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A6
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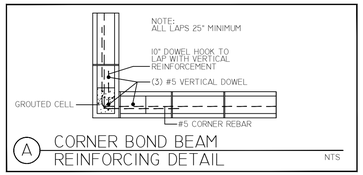
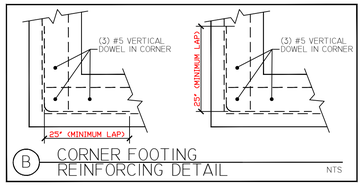
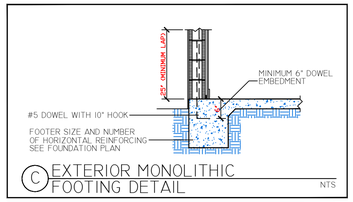


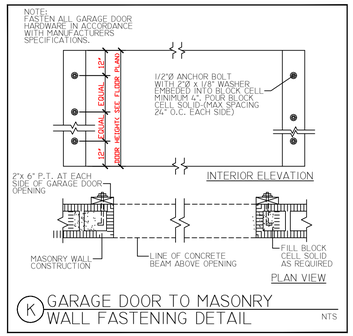
A CORNER BOND BEAM REINFORCING DETAIL NTS



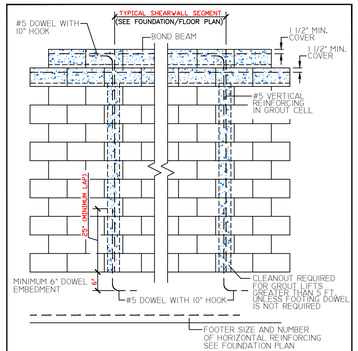
B CORNER FOOTING REINFORCING DETAIL NTS



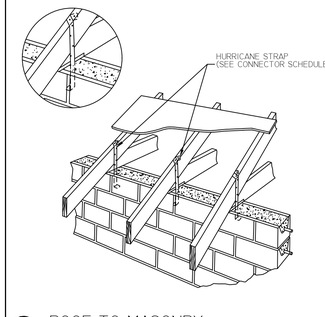
C EXTERIOR MONOLITHIC FOOTING DETAIL NTS



K GARAGE DOOR TO MASONRY WALL FASTENING DETAIL NTS



E ONE STORY MASONRY WALL NTS



G ROOF TO MASONRY SIDE-WALL CONNECTION NTS

GENERAL VALLEY NOTES:

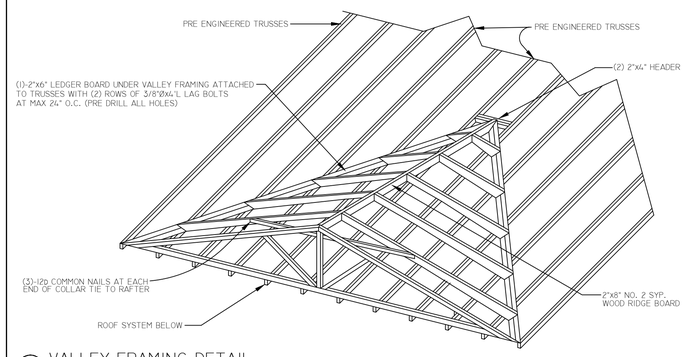
(1) ALL RAFTERS TO BE 2"x6" NO. 2 SYP. AT 24" O.C. MAX

(2) ANY RAFTER LENGTHS OVER 16'-0" CLEAR SPAN TO HAVE 2" X 4" COLLAR TIE AT HALF SPAN (UP TO 16'-0")

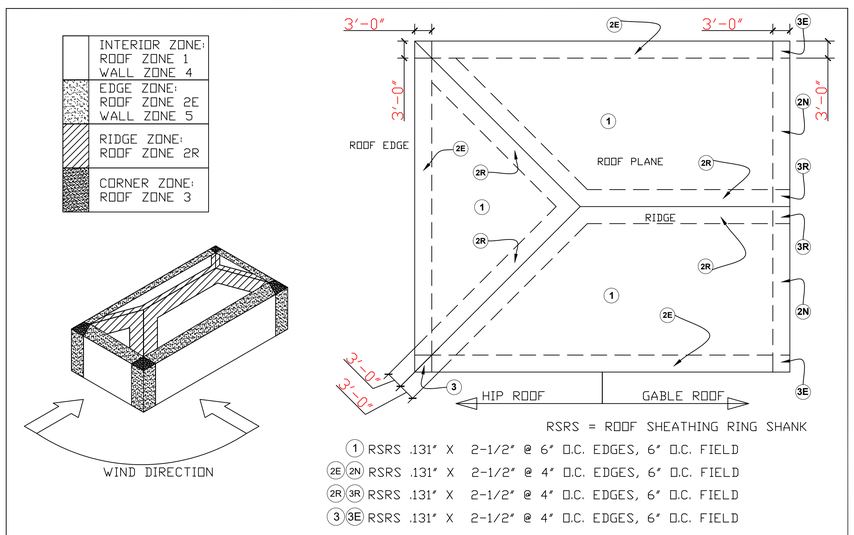
(3) RIDGE BOARD SHALL BE 2"x8" NO. 2 SYP.

(4) ATTACH RAFTERS 4'-0" OR LONGER TO RIDGE BOARD & LEDGER BOARD USING (1) SIMPSON H3 ANCHOR WITH (8) 8d NAILS. ALL OTHERS TOE-NAIL WITH (2) 8d NAILS. STAGGERING OF RAFTERS INTO RIDGE IS PERMITTED (+/- 3").

(5) COMPLETE PLYWOOD DECKING REQUIRED UNDER VALLEY FRAMING WHEN USED WITH ATTACHED, PARTIALLY ENCLOSED STRUCTURE. (EXAMPLE: PORCH AND OR ENTRY'S, ETC.)



U VALLEY FRAMING DETAIL NTS



ROOF ZONE NAIL SCHEDULE N.T.S.

GENERAL NOTES: MASONRY

1. ALL CONSTRUCTION WORKMANSHIP AND MATERIALS SHALL CONFORM TO "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530-92/ASCE 7-16/ TMS 402-92. (LATEST EDITIONS)
2. COURSE GROUT (SIZE 8) SHALL BE USED IN CONFORMANCE TO THE REQUIREMENTS OF ASTM C476-83 "STANDARD SPECIFICATIONS FOR GROUT OF REINFORCED AND NON-REINFORCED MASONRY".
3. CONCRETE MASONRY SHALL BE NORMAL WEIGHT, GRADE N, TYPE I OR II, CONFORMING WITH ASTM C90-85 "STANDARD SPECIFICATIONS FOR HOLLOW LOAD BEARING CONCRETE MASONRY UNITS".
4. THE NET AREA COMPRESSIVE STRENGTH OF MASONRY UNITS (f'm) SHALL BE 1900 PSI USING TYPE M OR S MORTAR.
5. THICKNESS OF MORTAR BED SHALL NOT EXCEED 5/8".
6. HORIZONTAL REINFORCING SHALL CONFORM WITH ASTM A82-85.
7. MASONRY REINFORCING STEEL BARS SHALL BE CONTINUOUS WITH LAP SPLICES OF 30 BAR DIAMETERS MINIMUM.
8. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL MASONRY STRUCTURAL ELEMENTS ARE ADEQUATELY BRACED TO RESIST WIND, BACKFILLING, SOIL COMPACTION, AND OTHER CONSTRUCTION AS WELL NATURAL OCCURING FORCES ORDINARILLY ENCOUNTERED DURING THE CONSTRUCTION PROCESS. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS BEEN COMPLETED.
9. MASONRY GROUT SHALL BE PROPORTIONED AND PRODUCED TO HAVE A SLUMP BETWEEN 8 AND 11 INCHES.
10. WHEN GROUT POURS EXCEED 5 FEET IN HEIGHT, PROVIDE A CLEAN-OUT HOLE AT THE BOTTOM CELL. CLEAN THE CELL BY REMOVING ALL MORTAR DEBRIS, LOOSE AGGREGATES AND ANY MATERIAL DELETERIOUS TO MASONRY GROUT. INSTALL AND SECURELY TIE THE VERTICAL STEEL REINFORCEMENT TOGETHER. CLOSE THE OPENING AFTER INSPECTION.

GENERAL NOTES: WOOD

1. ALL FRAMING CONSTRUCTION, WORKMANSHIP AND MATERIALS (INCLUDING TRUSSES) SHALL CONFORM WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE REFERENCES LISTED BELOW:
   "AMERICAN INSTITUTE OF TIMBER CONSTRUCTION" THIRD EDITION 1985
   "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION "1991 AND SUPPLEMENT
   "U.S. PRODUCT STANDARD PS 1" OR APA PRP- 108 PERFORMANCE STANDARDS "MANUAL FOR HOUSE FRAMING, WOOD CONSTRUCTION DATA NO. 1 "NATIONAL FOREST PRODUCTS ASSOCIATION.
2. ALL TRUSS BEAM AND COLUMN MEMBERS SHALL BE SPECIES AND GRADES OF LUMBER WHICH WILL PRODUCE DESIGN VALUES EQUAL TO OR GREATER THAN VALUES FOR SOUTHERN YELLOW PINE NO. 2, 19% MAX. M.C.
3. GALVANIZED METAL HANGERS AND FRAMING ANCHORS SHOWN ON THE PLANS SHALL BE USED AND SHALL BE FASTENED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS, SUBSTITUTIONS REQUIRE ENGINEER'S APPROVAL.
4. ANCHORING AND NAILING NOT IDENTIFIED SHALL COMPLY WITH THE NAILING SCHEDULE GIVEN WITHIN "MANUAL FOR HOUSE FRAMING", AND 2020 FLORIDA BUILDING CODE 7th EDITION
5. A MINIMUM OF TWO STUDS SHALL BE INSTALLED ADJACENT TO ALL OPENINGS IN EXTERIOR AND LOAD BEARING WALLS AND BENEATH ALL BEAM & GIRDER BEARING POINTS.
6. TRUSSES SHALL BE SIZED AND DETAILED IN ACCORDANCE WITH THE DIMENSIONS AND LOADS INDICATED.
7. TRUSS SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY A FLORIDA LICENSED ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE SPECIALTY ENGINEER SHALL SPECIFY BLOCKING AND BRACING N NECESSARY TO WITHSTAND WIND LOADS DETERMINED USING ASCE 7-16.
8. AS A MINIMUM, ROOF SHEATHING SHALL CONSIST OF 19/32" (NOMINAL) APA 40/20 SPAN RATED, EXPOSURE 1 SHEATHING
9. EXTERIOR WOOD FRAME WALLS SHALL BE SHEATHED WITH 15/32" APA SPAN RATED, EXPOSURE 1 PLYWOOD OR 7/16" O.S.B. THE SHEATHING SHALL BE ATTACHED TO FRAMING MEMBERS WITH 8d NAILS AT 6" O.C.
10. EXTERIOR AND INTERIOR LOAD BEARING WALLS SHALL BE FRAMED WITH 2X4 MEMBERS AT 16" O.C. MAX. SPACING FOR MAX. 8' HIGH PARTITIONS. FOR HEIGHTS ABOVE 8' REFER TO WALL SECTIONS. STUDS SHALL BE SPRUCE-PINE-FIR #2 OR SPECIES WITH EQUAL OR GREATER DESIGN VALUES.
11. ALL PRESSURE TREATED LUMBER SHALL BE SOUTHERN YELLOW PINE #2 19% MAX. M.C. IN ACCORDANCE WITH AWPA STANDARDS C1,C2 AND C9 LATEST EDITIONS, WITH A WATERBORNE PRESERVATIVE IN ACCORDANCE WITH STANDARD P5. ALL NAILS AND SCREWS SHALL BE STAINLESS STEEL OR GALVANIZED.
12. WHERE DRAWING INDICATES APPLIED EXTERIOR FINISH OVER APPROVED WATER BARRIER OVER WOOD FRAMING MEMBERS. OWNER IS RESPONSIBLE TO INSTALL ALL REQUIRED SEALANT, FLASHING, ETC. TO MAINTAIN WATER-PROOF INTEGRITY TO PREVENT MOISTURE INFILTRATION INTO STRUCTURE. OWNER IS RESPONSIBLE FOR PERIODIC MAINTENANCE AND UPKEEP OF EXTERIOR APPLIED FINISH TO MAINTAIN WATERPROOF INTEGRITY TO PREVENT DAMAGE TO INTERIOR COMPONENTS.
13. WATER-RESISTIVE BARRIER.
    EXTERIOR WALLS OF FRAME CONSTRUCTION RECEIVING A VENEER SHALL BE PROVIDED WITH A WATER-RESISTIVE BARRIER. THE WATER RESISTIVE BARRIER SHALL BE A MINIMUM OF ONE LAYER OF NO. 15 ASPHALT FELT, COMPLYING WITH ASTM D 226 FOR TYPE 1 FELT, SHALL BE ATTACHED TO THE SHEATHING, WITH FLASHING IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.

   WHERE CEMENT PLASTER (STUCCO) IS TO BE APPLIED TO LATH OVER FRAME CONSTRUCTION, MEASURES SHALL BE TAKEN TO PREVENT BONDING BETWEEN THE CEMENT PLASTER AND THE WATER-RESISTIVE BARRIER. A BOND BREAK SHALL BE PROVIDED BETWEEN THE WATER-RESISTIVE BARRIER AND THE CEMENT PLASTER (STUCCO) CONSISTING OF ONE OF THE FOLLOWING:
   1. TWO LAYERS OF AN APPROVED WATER-RESISTANT BARRIER; OR
   2. ONE LAYER OF AN APPROVED WATER-RESISTANT BARRIER OVER AN APPROVED PLASTIC HOUSE WRAP; OR
   3. OTHER APPROVED METHODS OR MATERIALS APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

   A CORROSION RESISTANT WEEP SCREED WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3 ½ INCHES SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON ALL EXTERIOR STUD WALLS. THE SCREED MUST BE PLACED AT A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING.

GENERAL NOTES: CONCRETE

1. ALL CONCRETE CONSTRUCTION WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF ACI 301-89 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
2. ALL CONCRETE SHALL BE TYPE I OR II PORTLAND CEMENT COMPLYING WITH ASTM C150 AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH SHOWN BELOW:

FOUNDATIONS & SLABS	3000 PSI
BEAMS	3000 PSI
MASONRY	3000 PSI

3. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A 615-87 GRADE 60. BARS SHALL BE FREE OF RUST, MILL SCALE, PAINT OR OTHER COATINGS THAT WILL REDUCE CONCRETE BOND.
4. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN WITH ACT 315-80 (REVISED 1986) "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
5. ALL BAR SPLICES, DOWELS AND CONCRETE COVERAGE SHALL MEET THE REQUIREMENTS OF ACI 318-89 / 318R-89 "BUILDING CODE AND COMMENTARY FOR REINFORCED CONCRETE."
6. BEAMS OVER MASONRY OPENINGS SHALL HAVE CONTINUOUS TOP AND BOTTOM REINFORCEMENT. LAP SPLICES IN BOTTOM BARS SHALL OCCUR OVER SUPPORTS. TOP BARS SHALL LAP AT MID-SPAN.
7. CONCRETE BEAMS AND SLABS SHALL BE FINISHED LEVEL AND TO THE ELEVATIONS SHOWN ON THE DRAWINGS.
8. CALCIUM CHLORIDE SHALL NOT BE USED IN ANY FORM.
9. UNLESS OTHERWISE PERMITTED OR SPECIFIED, CONCRETE SHALL BE PROPORTIONED AND PRODUCED TO HAVE A SLUMP OF 4 INCHES +/- 1 INCH.

GENERAL NOTES

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2. THE CONTRACTOR/OWNER-BUILDER SHALL REVIEW DRAWINGS FOR ACCURACY AND INTERPRETATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS PRIOR TO CONSTRUCTION.
3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/ OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE - DO NOT SCALE DRAWNGS.
5. FLASHING SHALL BE PROVIDED PER FIELD CONDITONS.
6. MOISTURE PROTECTION SHALL BE PROVIDED BETWEEN ALL MASONARY AND NON PRESSURE TREATED WOOD SURFACES.
7. A 1/2" DIAMETER X 10 " LONG MINIMUM WEDGE ANCHOR MAY BE USED IN LIEU OF 1/2" DIAMETER J-BOLTS. AT FOUNDATION
8. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS LISTED.
9. THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION SHOWN ON THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION TO THE ENGINEER BEFORE STARTING CONSTRUCTION.
10. THE STRUCTURE HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF 2020 FLORIDA BUILDING CODE 7th EDITION
11. FOUNDATION AND SLAB ARE TO BE FORMED UPON SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 PSF.
12. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO UNIFORMLY PROVIDE THE BEARING CAPACITY UNDER ALL FOUNDATIONS.
13. THE CONTRACTORS SHALL HIRE A GEOTECHNICAL ENGINEER TO RECOMMEND SOIL IMPROVEMENTS REQUIRED TO OBTAIN THE MINIMUM SAFE BEARING CAPACITY STATED ABOVE.

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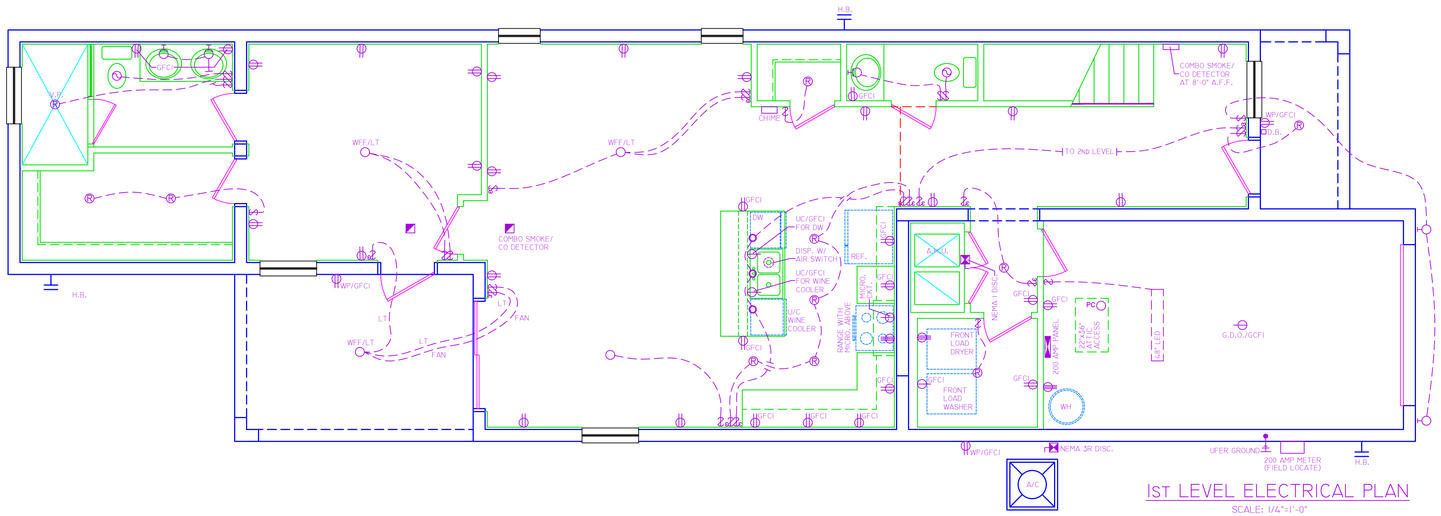
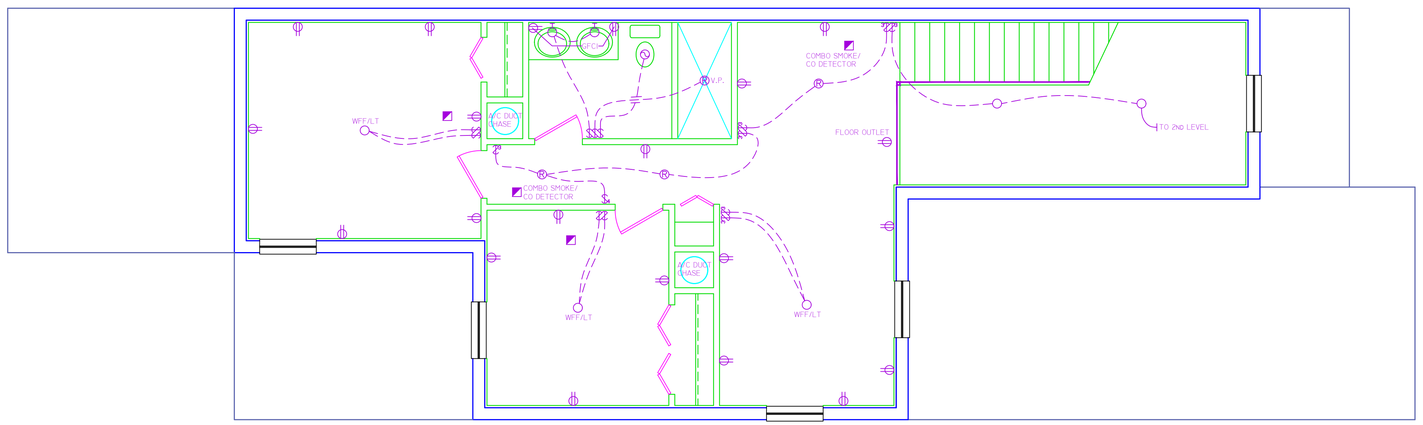
SHEET 7 OF 9

-DRAWN BY-
DANIEL FRECHETTE



1ST LEVEL ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



2ND LEVEL ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

ELECTRICAL SYMBOLS

- SINGLE POLE SWITCH
- THREE POLE SWITCH
- FOUR POLE SWITCH
- DIMMER SWITCH
- SINGLE OUTLET
- DUPLEX OUTLET
- SWITCHED DUPLEX
- 220 OUTLET
- QUAD OUTLET
- TELEPHONE
- TELEVISION
- SMOKE DETECTOR
- ELECTRICAL PANEL
- EXHAUST FAN
- THERMOSTAT
- INTERCOM
- DOOR BELL BUTTON
- DISCONNECT
- ELECTRICAL METER
- LIGHT FIXTURE
- WALL MOUNT FIXTURE
- RECESSED FIXTURE
- EYEBALL FIXTURE
- PULL CHAIN
- TRACK LIGHTING LENGTH AS INDICATED
- FLOOD LIGHTS
- EMERGENCY LIGHT
- FLUORESCENT LENGTH AS INDICATED
- WIRE FOR FAN
- WIRE FOR FAN WITH LIGHT
- INDICATES WATERPROOF
- INDICATES GROUND FAULT CIRCUIT INTERRUPT
- INDICATES ARC FAULT CIRCUIT INTERRUPTER
- INDICATES HEIGHT ABOVE FLOOR
- GARAGE DOOR OPENER

NOTE:
ALL SMOKE DETECTORS TO BE LINKED TOGETHER SO AS TO SOUND SIMULTANEOUSLY WHEN ONE IS TRIGGERED.

NOTE:
ALL OUTLETS SHALL BE TAMPER-RESISTANT

NOTE:
PLANS COMPLY WITH THE 2020 FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION, 2018 NFPA 70, AND 2017 NEC

R.A.C. CARBON MONOXIDE PROTECTION.
(1) DEFINITIONS: FOR PURPOSES OF THIS RULE, THE FOLLOWING DEFINITIONS SHALL APPLY:
(a) CARBON MONOXIDE ALARM. A DEVICE FOR THE PURPOSE OF DETECTING CARBON MONOXIDE, THAT PRODUCES A DISTINCT AUDIBLE ALARM, AND IS LISTED OR LABELED WITH THE APPROPRIATE STANDARD EITHER ANSI/UL 2034 – 96, STANDARD FOR SINGLE AND MULTIPLE STATION CO ALARMS, INCORPORATED HEREIN BY REFERENCE, OR UL 2075 – 04, GAS AND VAPOR DETECTOR SENSOR, INCORPORATED HEREIN BY REFERENCE, IN ACCORDANCE WITH ITS APPLICATION. BOTH DOCUMENTS MAY BE OBTAINED BY WRITING TO: CODES AND STANDARDS SECTION, DEPARTMENT OF COMMUNITY AFFAIRS, 2555 SHUMARD OAK BOULEVARD, TALLAHASSEE, FLORIDA 32399-2100.
(b) FOSSIL FUEL. COAL, KEROSENE, OIL, FUEL GASES, OR OTHER PETROLEUM OR HYDROCARBON PRODUCT THAT EMITS CARBON MONOXIDE AS A BY-PRODUCT OF COMBUSTION.
(2) EVERY BUILDING FOR WHICH A PERMIT FOR NEW CONSTRUCTION IS ISSUED ON OR AFTER 7/1/08 AND HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
(3) IN NEW CONSTRUCTION, ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACK UP.
(4) COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
SPECIFIC AUTHORITY 553.885(2) FS. LAW IMPLEMENTED 553.72, 553.73(2), (3), (7), (9), 553.885(2) FS
HISTORY-NEW 11-18-07.

EXHAUST FAN VENT/DRYER VENT NOTES:

ALL BATHROOM EXHAUST FAN VENTS SHALL EXTEND FROM UNIT UP THRU ROOF TO EXTERIOR AND TERMINATE WITH WEATHERPROOF CAP/GRILLE, OR OUT THROUGH SOFFIT AND TERMINATE WITH WEATHERPROOF CAP/GRILLE

DRYER PIPE VENTING SHALL EXTEND FROM UNIT OUT THRU ADJACENT EXTERIOR WALL (WHERE APPLICABLE) AND TERMINATE WITH WEATHERPROOF CAP/GRILLE.
WHERE UNABLE TO EXTEND THRU ADJACENT EXTERIOR WALL, DRYER VENT SHALL EXTEND FROM UNIT UP THRU ROOF TO EXTERIOR AND TERMINATE WITH WEATHERPROOF CAP/GRILLE.

NOTE:
HVAC DESIGN/MODIFICATIONS AND ENERGY CALCULATIONS WILL BE SUBMITTED BY OWNER/CONTRACTOR WITH THESE PLANS FOR PERMITTING.

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4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

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SHEET 8 OF 9

-DRAWN BY-
DANIEL FRECHETTE

PLUMBING GENERAL NOTES

1.0 PROVIDE ALL LABOR AND MATERIALS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING AND COMPLETE DOMESTIC WATER DISTRIBUTION, AND SANITARY DRAINAGE SYSTEM AS INDICATED ON DRAWINGS. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. FINAL LOCATIONS OF EQUIPMENT SHALL BE FIELD DETERMINED.

2.0 ALL MATERIALS SHALL BE NEW AND APPROVED BY APPROPRIATE CODES.

3.0 EXTEND SERVICE TO WATER METER AND PROVIDE SHUT OFF VALVE IN VALVE BOX OUTSIDE BUILDING. FIELD VERIFY.

4.0 PROVIDE AND INSTALL PLUMBING FIXTURES AS SCHEDULED IN BUILDER CONTRACT.

5.0 DO NOT SCALE FOR THE EXACT FIXTURES, PIPING, EQUIPMENT, ETC.

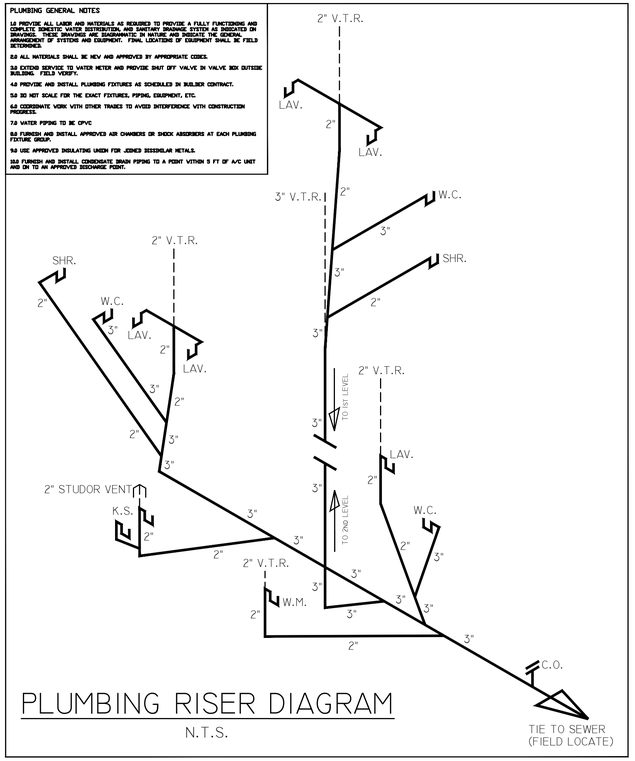
6.0 COORDINATE WORK WITH OTHER TRADES TO AVOID INTERFERENCE WITH CONSTRUCTION PROGRESS.

7.0 WATER PIPING TO BE CPVC

8.0 FURNISH AND INSTALL APPROVED AIR CHAMBERS OR SHOCK ABSORBERS AT EACH PLUMBING FIXTURE GROUP.

9.0 USE APPROVED INSULATING UNION FOR JOINED DISSIMILAR METALS.

10.0 FURNISH AND INSTALL CONDENSATE DRAIN PIPING TO A POINT WITHIN 5 FT OF A/C UNIT AND TIE TO AN APPROVED DISCHARGE POINT.



PLUMBING RISER DIAGRAM

N.T.S.

PANEL SCHEDULE — SINGLE-PHASE

X 120/240V-1PH-3W
__ 120/208V-1PH-3W

AMPS : _____
AIC : _____

BUS AMPS : 200 AMP
INT. AIC : 10,000

CKT #	CIRCUIT ID NAME	BKR:WIRE A/P:SIZE	A PHASE	B PHASE	WIRE:BKR A/P:SIZE	CIRCUIT ID NAME	CKT #
1	RANGE	40 : 8			8 : 40	ACU-I	2
3	" "	" "			" "	" "	4
* 5	DISPOSAL	20 : 12			6 : 60	AHU-I	6
* 7	REF.	20 : 12			" "	" "	8
* 9	KIT. GFCI'S	20 : 12			10 : 30	DRYER	10
* 11	DISHWASHER	20 : 12			" "	" "	12
* 13	MICRO.	20 : 12			12 : 20	WASHER	14 *
* 15	DINING/KIT. LTS.	15 : 14			14 : 15	M. BED LTS./ RECEPTS.	16 *
* 17	HALL LTS./ RECEPTS.	15 : 14			14 : 15	M. BATH LTS.	18
* 19	DINING RECEPTS.	15 : 14			12 : 20	M. BATH GFCI	20
21	EXT. LTS.	15 : 14			14 : 15	LAUNDRY LTS./RECEPTS.	22 *
23	WATER HEATER	30 : 10			14 : 15	GREAT RM./FOYER LTS./RECEPTS.	24 *
25	" "	" "			14 : 15	SMOKE DETECT.	26 *
* 27	BED #2 LTS./ RECEPTS.	15 : 14			12 : 20	EXT. GFCI	28
* 29	BED #3 LTS./ RECEPTS.	15 : 14			12 : 20	GARAGE GFCI'S	30
31	GARAGE DOOR OPENER GFCI'S	20 : 12			14 : 15	GAR. LTS.	32
* 33	LOFT LTS./ RECEPTS.	15 : 14			14 : 15	BATH #2 LTS.	34
35	1/2-BATH LTS.	15 : 14			12 : 20	BATH #2 GFCI	36
37	1/2-BATH GFCI	20 : 12					38
39							40
41							42
TOTAL KVA PER PHASE							
MAXIMUM PHASE AMPS							

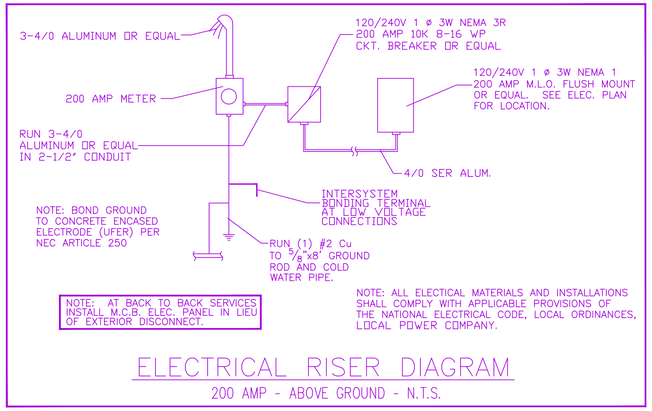
* NOTE:
BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN-ROOMS, RECREATIONS ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS SHALL BE AFCI/GCFI PROTECTED PER 2020 FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION, 2018 NFPA70, AND 2017 NEC

SERVICE CALCULATIONS

DATE: 1/18/2023
CONTRACTOR:
RESIDENCE FOR:
ADDRESS:

ITEM	QUANTITY	VA PER		
GEN. LIGHTING/RECEPT. LOAD = SFLA @ 3 VA	1951.00	3.00	5853.00 VA	
LAUNDRY @1500 VA EA.	1.00	1500.00	1500.00 VA	
KITCHEN SABC @ 1500 VA EA	3.00	1500.00	4500.00 VA	
RANGE	1.00	10000.00	10000.00 VA	
DRYER	1.00	5000.00	5000.00 VA	
WATER HEATER	1.00	4500.00	4500.00 VA	
DISHWASHER	1.00	1200.00	1200.00 VA	
MICROWAVE	1.00	1600.00	1600.00 VA	
DISPOSAL 1/2 HP	1.00	500.00	500.00 VA	
GARAGE GFCI'S	1.00	1920.00	1920.00 VA	
GARAGE DOOR OPENER	2.00	1920.00	3840.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
			0.00 VA	
		TOTAL	40413.00 VA	
1ST 10 KW @ 100%			10000.00 VA	10000.00 VA
BALANCE AT 40%			30413.00 VA	12165.20 VA
ADD HEAT/AC-HEAT - 100% LOAD	TOTAL			
HEAT 10KW EA @100%	10000 VA		@ 100%	10000.00 VA
A/C 38A RLA @240V EA	38.00 A		240.00 V	9120.00 VA
		TOTAL		41285.20 VA
SERVICE SIZE LOAD (VA) / 240V =	41285.20 VA		240.00 V	172.02 AMP

INSTALL 200 AMP SERVICE



NOTE: AT BACK TO BACK SERVICES INSTALL M.C.B. ELEC. PANEL IN LIEU OF EXTERIOR DISCONNECT.

NOTE: ALL ELECTICAL MATERIALS AND INSTALLATIONS SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE, LOCAL ORDINANCES, LOCAL POWER COMPANY.

ELECTRICAL RISER DIAGRAM

200 AMP - ABOVE GROUND - N.T.S.

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