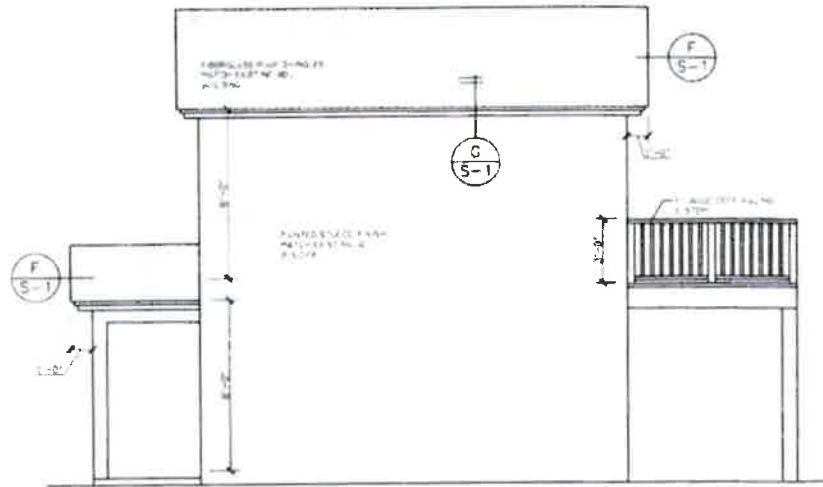


FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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

7203 FLASHING
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 PENETRATION PRODUCTS SHALL BE SEALED AT THE JUNCTURE WITH THE BUILDING WALL WITH A SEALANT COMPLYING WITH AAMA 995 OR ASTM C920 CLASS 25 GRADE NS OR LATER FOR PROPER JOINT EXPANSION AND CONTRACTION. ASTM C920, AAMA 995, 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:

- 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 7032 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:
 - THE PENETRATION MANUFACTURER'S INSTALLATION AND FLASHING INSTRUCTIONS OR FOR APPLICATIONS NOT ADDRESSED IN THE PENETRATION 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 DRAIN 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.
 - IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL.
 - IN ACCORDANCE WITH OTHER APPROVED METHODS.
 - IN ACCORDANCE WITH FMA/AAMA 130, FMA/AAMA 250, FMA/AAMA 250, FMA/AAMA/VDMA 300 OR FMA/AAMA/VDMA 400.
- AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
- UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
- CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
- WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
- AT WALL AND ROOF INTERSECTIONS.
- AT BUILT-IN GUTTERS.

THE MAIN WIND RESISTANCE FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA RESIDENTIAL BUILDING CODE (7TH EDITION) TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 150 MILES PER HOUR EXPOSURE "D" STRUCTURE.

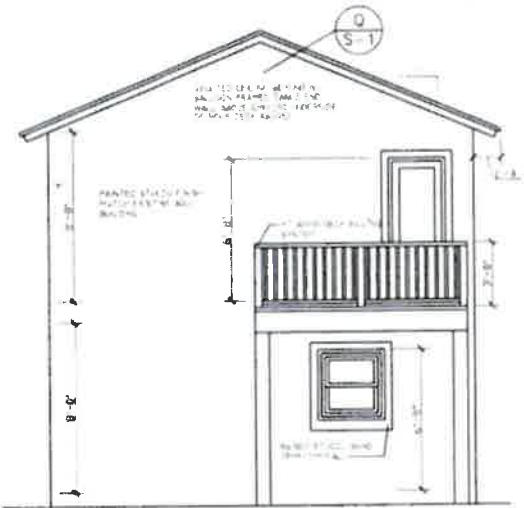
THE COMPONENTS AND CLADDING HAVE BEEN SELECTED AND THEIR USE INCORPORATED INTO THE DESIGN AND SPECIFICATIONS IN ACCORDANCE WITH THE 2020 FLORIDA RESIDENTIAL BUILDING CODE (7TH EDITION) TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 150 MILES PER HOUR EXPOSURE "B" STRUCTURE.

- ULTIMATE WIND SPEED = 150 MILES PER HOUR / NOMINAL WIND SPEED = 116 MILES PER HOUR
- WIND IMPORTANCE FACTOR = 1 / BUILDING CATEGORY = 2 / ENCLOSED / FULLY
- WIND EXPOSURE = EXPOSURE "D"
- INTERNAL PRESSURE COEFFICIENT = 0.18 / 0.18
- COMPONENTS & CLADDING = 37.5 PSF / 50.3 PSF

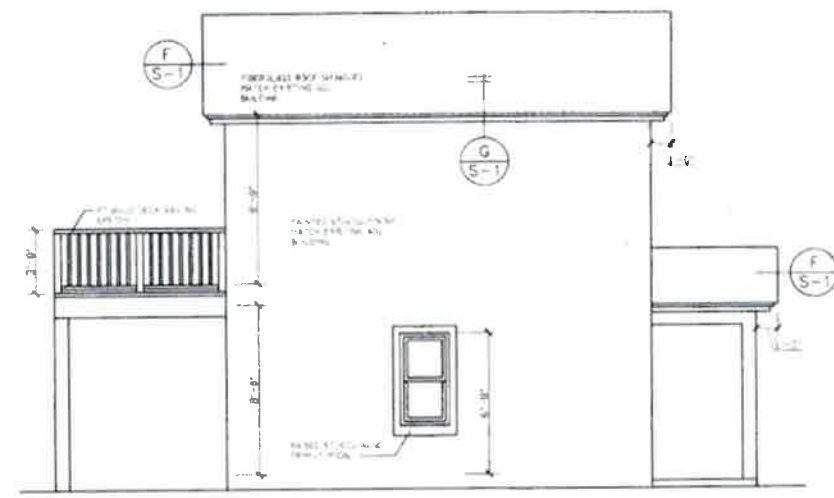
ALL DOOR AND WINDOW UNITS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS (WHERE APPLICABLE).

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.

ALL GLAZING SHALL BE PROTECTED IN ACCORDANCE WITH FLORIDA BUILDING CODE. BUILDER SHALL PROVIDE MANUFACTURER'S DOCUMENTATION FOR ANY PRE-MANUFACTURED SHUTTER SYSTEM OR IMPACT RESISTANT GLAZING IN WINDOW/DOOR UNITS PRIOR TO PERMITTING.



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



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

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

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:

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

NOTE:
COORDINATE ALL FINAL BEARING HEIGHTS WITH ROOF FRAMING LAYOUT PRIOR TO CONSTRUCTION

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

BUILDING INFORMATION

Single Wind Load	Normal
Wind Velocity (mph)	150
Exposure	Exposure D
Roof Slope	12:12
Roof Height Above Grade (ft.)	23.0
Roof Type	Asph/Flt
Roof Decking	1/2" CD
Roof Truss Spacing (ft.)	24.0
Roof Truss Depth (ft.)	14.0
Roof Truss Height Above Grade (ft.)	37.0
Roof Truss Spacing (ft.)	24.0
Roof Truss Depth (ft.)	14.0
Roof Truss Height Above Grade (ft.)	37.0
Roof Truss Spacing (ft.)	24.0
Roof Truss Depth (ft.)	14.0
Roof Truss Height Above Grade (ft.)	37.0

ASCE 7-16
Wall Openings
Wind Load Region
701 - 1003 B
Wind Load Region
701 - 1003 B
Wind Load Region
701 - 1003 B

WIND LOAD DESIGN INFORMATION

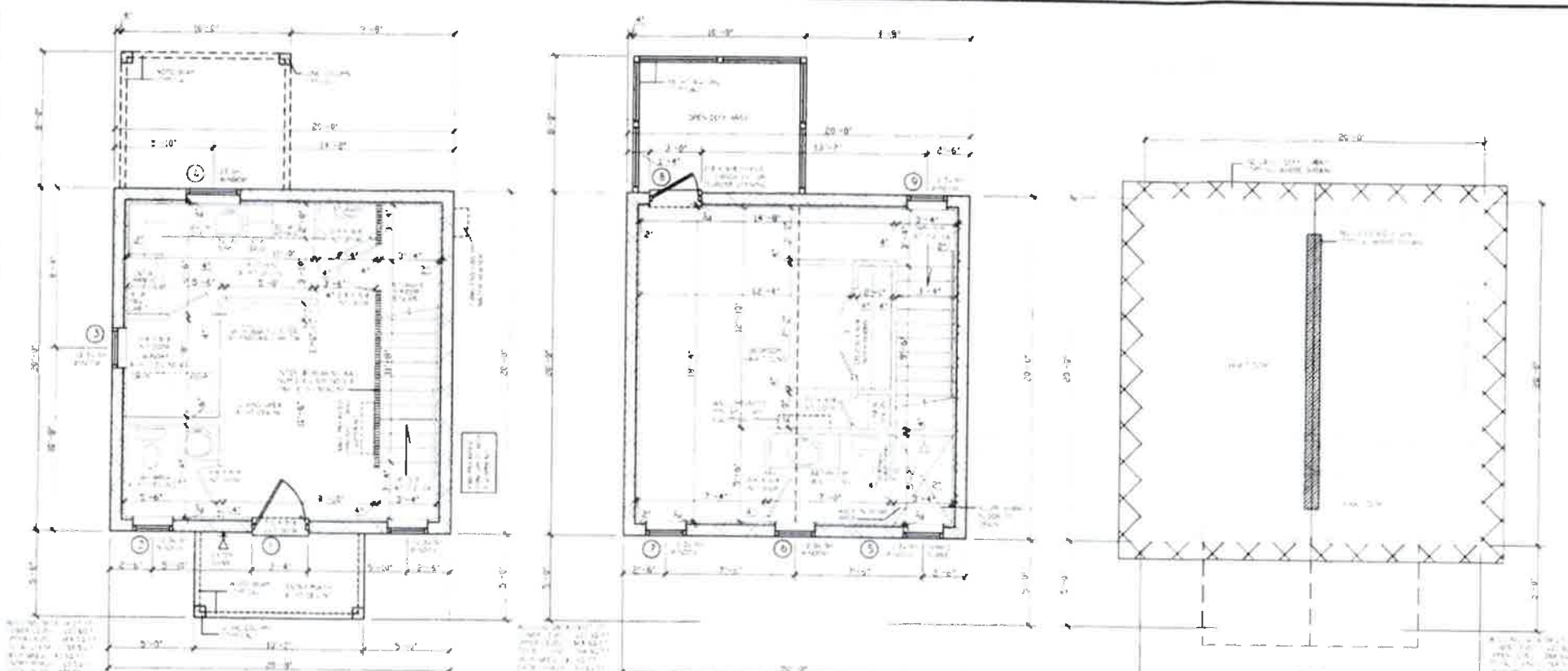
APPLICABLE WIND LOAD JOB	ZONE	OPENING ELEVATION (ft.)	WIDTH (ft.)	LENGTH (ft.)	EFFECTIVE WIND AREA (sq.ft.)	Normal Wind Load Pressure	
						MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
1. 10' x 10' EXTER DOOR	1	5	10	10	100	15.0	15.0
2. 6' x 8' 6" WNDOW	1	5	6.5	8.5	55.25	17.5	17.5
3. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
4. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
5. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
6. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
7. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
8. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
9. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5
10. 1' x 1' 6" WNDOW	1	5	1.5	1.5	2.25	17.5	17.5

RECEIVED
DEC 29 2023
BY: [Signature]

EDWARD F. SHINSKIE, PE
REGISTERED PROFESSIONAL ENGINEER
FLORIDA
NO. 47388
1270 NE BANANA RIDGE DR. MERRITT ISLAND, FL 32953
PH. 321-863-3333

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

AI
SHEET 1 OF 4
DRAWN BY: [Signature]



LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

UPPER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

ROOF VENTILATION PLAN
SCALE: 1/4" = 1'-0"

ATTIC VENTILATION CALCULATION

REQUIRED ATTIC VENTILATION IS $\frac{1}{30}$ SQ. FT. OF THE TOTAL CEILING SQUARE FOOTAGE. BASED ON AN APPROXIMATE CEILING SQUARE FOOTAGE OF 400 SQ. FT., A TOTAL OF 2.66 SQ. FT. OF ATTIC VENTILATION IS REQUIRED. OWNER/BUILDER SHALL INSTALL 99 SQ. FT. CONTINUOUS VENTED SOFFIT WHERE SHOWN PROVIDING +/- 5.17 SQ. FT. OF VENTILATION. OWNER/BUILDER SHALL ALSO INSTALL 16 LINEAR FEET OF RIDGE VENT PROVIDING +/- 1.92 SQ. FT. OF VENTILATION.

TOTAL PROVIDED VENTILATION = 7.09 SQ. FT. EXCEEDS THE REQUIRED 2.66 SQ. FT. OF VENTILATION REQUIRED.

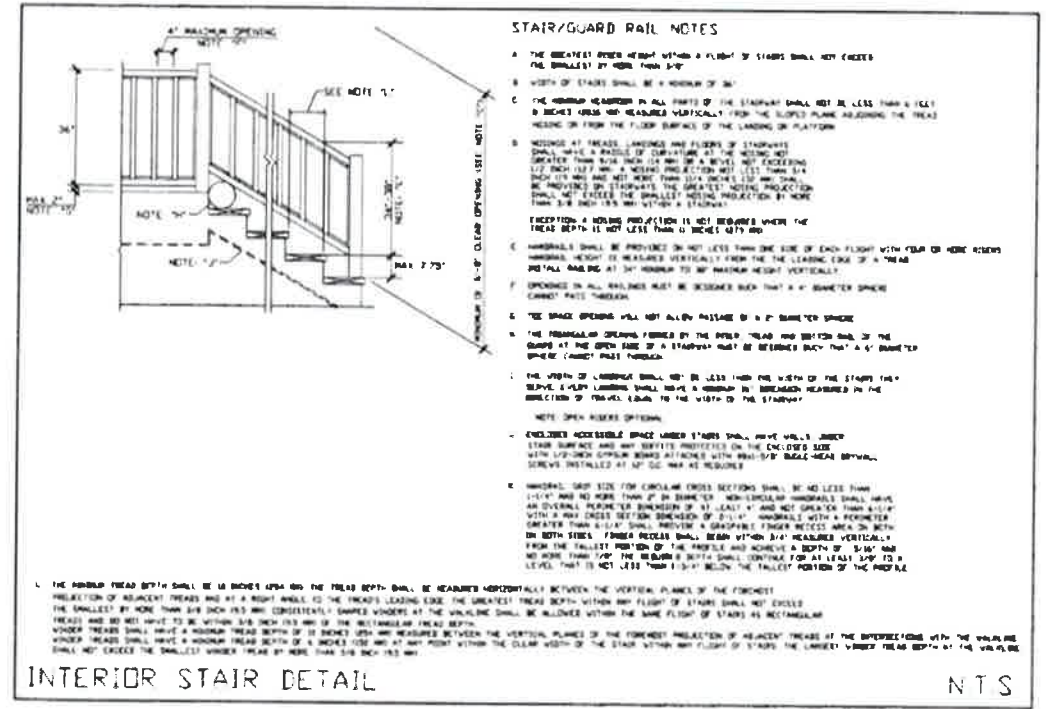
NOTE:
CALCULATIONS FOR SOFFIT VENTILATION IS BASED ON A VENTED SOFFIT PROVIDING 7.53 SQ. IN OF VENTILATION PER SQ. FT.

NOTE:
CALCULATIONS FOR RIDGE VENTS IS BASED ON A VENT PROVIDING .12 SQ. FT. OF VENTILATION PER LINEAR FT. OF RIDGE VENT

R502.2 WINDOW FALL PROTECTION
WINDOW FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS R502.2.1 AND R502.2.2.

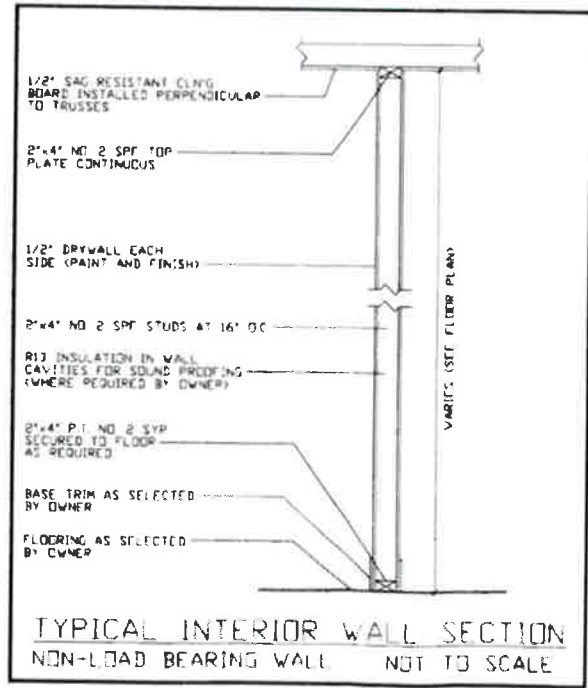
R502.2.1 WINDOW SILLS
IN DWELLING UNITS, WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24 INCHES (610 MM) ABOVE THE FINISHED FLOOR AND GREATER THAN 72 INCHES (1829 MM) ABOVE THE FINISHED GRADE OR OTHER SURFACE BELOW ON THE EXTERIOR OF THE BUILDING, THE OPERABLE WINDOW SHALL COMPLY WITH ONE OF THE FOLLOWING:

1. OPERABLE WINDOWS WITH OPENINGS THAT WILL NOT ALLOW A 4-INCH-DIAMETER (102 MM) SPHERE TO PASS THROUGH THE OPENING WHEN THE OPENING IS IN ITS LARGEST OPENED POSITION.
2. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F2096.
3. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH SECTION R502.2.2.



INTERIOR STAIR DETAIL

N.T.S.



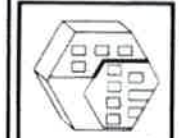
NOTE:
COORDINATE ALL ROUGH OPENINGS FOR EXTERIOR DOORS AND WINDOWS WITH MANUFACTURER'S SPECS.

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

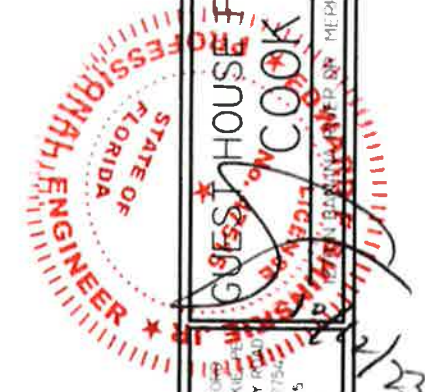
NOTE:
COORDINATE ALL FINAL BEARING HEIGHTS WITH FINAL ROOF SYSTEM LAYOUT PRIOR TO CONSTRUCTION.

REVISIONS	

1515 TAMM BAY ROAD STE 110
FORT MYERS, FL 33901
TEL: (823) 724-0740
FAX: (823) 941-4206
EMAIL: INFO@EDC.COM
WWW.EDC.COM



EDC
ENGINEERING AND DESIGN CONCEPTS, INC.



GUEST HOUSE FOR: **COOK**

ENGINEER OF RECORD
EDWARD F. SHINKO, P.E.
6707 WILD TURKEY ROAD
MIMS, FLORIDA 33754
FLORIDA P.E. # 47515
PH: 371-863-3225

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY EDWARD F. SHINKO, P.E. ON THE DATE AND/OR TIME STAMP SHOWN USING A DIGITAL SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPY.

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



A2
SHEET 2 OF 2

