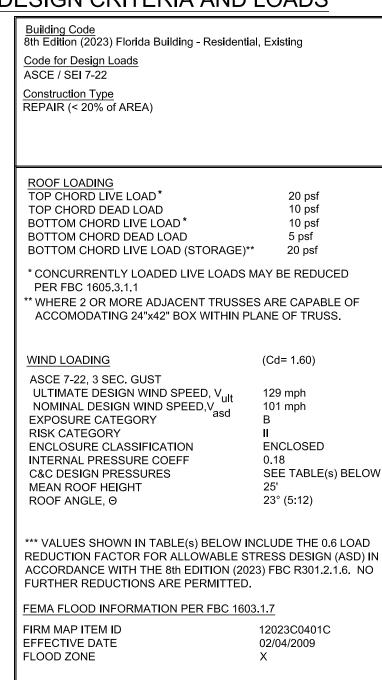
#### DESIGN CRITERIA AND LOADS



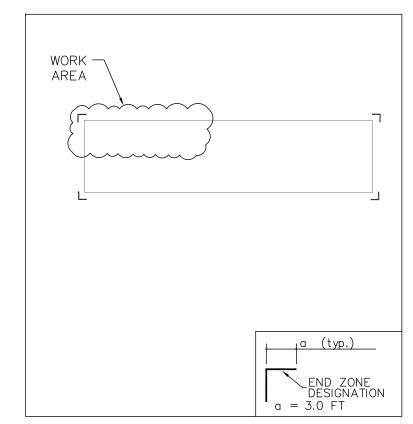


TABLE 1 COMPONENT AND
CLADDING DESIGN PRESSURES
(ROOF)

Zone Designation Effective Wind Area	1 (ps	f)	2e (psf	)	2r (ps	f)	3 (psi	F)
0 - 10 sq. ft.	+27.4	-29.94	+27.4	-55.3	+27.4	-55.3	+27.4	-57.3
11 - 20 sq. ft.	+26.63	-28.41	+26.63	-53.78	+20	-53.78	+20	-55.78
21 - 50 sq. ft.	+25.33	-26.39	+25.33	-51.76	+25.33	-51.76	+25.33	-51.76
51 - 100 sq. ft.	+24.86	-24.86	+24.86	-50.23	+24.86	-50.23	+24.86	-50.23

# TABLE 2 COMPONENT AND CLADDING DESIGN PRESSURES (ROOF OVERHANG)

Zone Designation	1	2e	2r	3
Effective Wind Area	(psf)	(psf)	(psf)	(psf)
0 - 10 sq. ft.	-53	-61	-76	-85
11 - 20 sq. ft.	-48	-53	-66	-69
21 - 50 sq. ft.	-42	-38	-44	-42
51 - 100 sq. ft.	-39	-37	-42	-42

### LEGEND AND FRAMING NOTES:

(UNO) UNLESS NOTED OTHERWISE ON PLAN OR DETAIL EOR ENGINEER OF RECORD

#### NAILS

- INSTALL COMMON NAILS UNLESS OTHERWISE SPECIFIED
- COMMON WIRE NAILS AND THREADED HARDENED STEEL NAILS SHALL CONFORM TO THE NOMINAL SIZES SPECIFIED IN ASTM F1667. NOMINAL DIAMETER SIZES APPLY TO FASTENERS BEFORE APPLICATION OF
- PROTECTIVE COATING.
- WHEN A BORED HOLE IS REQUIRED TO PREVENT SPLITTING OF A WOOD DUE TO FASTENER PENETRATION, THE BORED HOLE SHALL NOT EXCEED 75% OF THE NAIL OR SPIKE DIAMETER
- THE NOMINAL DIAMETER AND LENGTH OF TYPICAL FASTENERS SPECIFIED FOR THIS PROJECT ARE AS LISTED IN TABLE 2 BELOW

#### TABLE 2: NAIL SIZE LEGEND

	DIAMETER	LENGTH
8d COMMON	0.131"	2-1/2"
8d RINGSHANK	0.120"	2-1/2"
10d x 1-½"	0.148"	1-1/2"
10d COMMON	0.148"	3"
12d COMMON	0.148"	3-1/4"
16d SINKER	0.148"	3-1/4"
16d COMMON	0.162"	3-1/2"

## TABLE 3: FASTENERS IN PRESSURE TREATED LUMBER

PRESERVATIVE	
ACQ & NON-DOT BORATE	CONNECTORS MUST HAVE Z-MAX, G120 OR TRIPLE ZINC COATED FINISH. ALL FASTENERS MUST BE HOT DIPPED GALVANIZED.
SODIUM BORATE	STANDARD FINISH IS ACCEPTABLE (UNO)
ACZA	NOT RECOMMENDED. STAINLESS CONNECTORS AND FASTENERS REQUIRED.

#### TABLE 4: SIMPSON METAL CONNECTOR SCHEDULE

H2.5	(5) 8d COMMON IN RAFTER (5) 8d COMMON IN TOP PLATE	HTS16	10d, FILL ALL HOLES
НЗ	(4) 8d COMMON IN RAFTER (4) 8d COMMON IN STUD	SPH4 / SPH6	(12) 10d x 1.5" NAILS IN STUD
H8	(5) $10dx1-\frac{1}{2}$ " COMMON IN RAFTER (5) $10dx1-\frac{1}{2}$ " COMMON IN PLATE	SSP	(4) 10d COMMON IN STUD (1) 10d COMMON IN PLATE
HTT4 (NOTE 1)	(18) 16d COMMON IN STUD $\%$ Ø x 6" EMBED ANCHOR IN CONCRETE	A35	(12) 8d x 1-1/2" COMMON NAILS
HTT5 (NOTE 1)	(32) 16dSINKERS IN STUD $\%$ " Ø x 6" EMBED ANCHOR IN CONCRETE	HUS26	(14) 16d SINKERS IN HEADER (6) 16d SINKERS IN JOIST
HDQ8-SDS3	(20) SDS $\frac{1}{4}$ x 3 SCREWS IN STUD GROUP $\frac{1}{8}$ " Ø x 12" EMBED ANCHOR IN CONCRETE	HU410	(18) 16d COMMON IN HEADER (10) 10d COMMON IN BEAM
LGT2	(14) 16d SINKER IN WALL FRAMING (16) 16d SINKER IN TRUSS	HUC410	(18) 16d COMMON IN HEADER (10) 10d COMMON IN BEAM
MGT	(22) 10d COMMON IN GIRDER	STHD14	(38) 16d SINKERS INTO STUDS (WET EMBED)
MSTA12	(10) 10d COMMON		
MSTA24	(18) 10d COMMON		
MSTA36	(26) 10d COMMON		
HTS20	(12) 10d x 1.5" COMMONS IN RAFTER (12) 10d x 1.5" COMMONS IN STUD		

NOTE 1: ANCHOR EMBED IN CMU TO BE 12-INCHES



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BEDENBAUGH

Structural Summary

25\_4

LOT NO.:

SUBDIVISION:

ADDRESS:

DESIGNED:

AFL

REVIEWED:

AFL

REVISIONS

DATE

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ANDRES F. LOPERA PE # 70791 07/25/2025

