

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Gable and/or Hip Construction, Wood Trusses @ 24" O.C.
Walls:	2x 4 or 2x 6 Wood Studs @ 16" O.C.
Floor:	4" Thk. Concrete Slab W/ 6x6/10x10 WWM ON CHAIRS @ 36" O.C.
Foundation:	Continuous monolithic footing or Stem Wall foundation system
ROOF DECKING	
Material:	19/32" CDX Plywood or 7/16" O.S.B.
Sheet Size:	48"x96" Sheets Perpendicular to Roof Framing
Fasteners:	10d Ring-Shank nails per schedule on sheet S.4
SHEARWALLS	
Material:	1/2" CD Plywood or 7/16" O.S.B.
Sheet Size:	48"x96" Sheets Placed Vertical, stagger each sheet.
Fasteners:	8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut:	Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
Wall Studs:	2x 4 or 6 Wood Studs @ 16" O.C.
HURRICANE UPLIFT CONNECTORS	
Truss Anchors:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
Wall Tension:	Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Porc Column Base Connector:	Simpson ABU86/ABU66 @ each column (or equiv.)
Porc Column to Beam Connector:	Simpson EPC66/PC66 @ each column (or equiv.)
FOOTINGS AND FOUNDATIONS	
Footings:	20" x 10" Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C.
Stemwall:	8" C.M.U. W/ #5 Vertical Dowel @ 48" O.C.
STRUCTURAL DESIGN CRITERIA:	
1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE (8TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.	
2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"	
BASED ON ANSI/ASCE T-22, 2023 FBC 1609-A WIND VELOCITY: $V_{100} = 130 \text{ MPH}$ $V_{30} = 101 \text{ MPH}$	
3. ROOF DESIGN LOADS:	
SUPERIMPOSED DEAD LOADS: ..... 20 PSF	
SUPERIMPOSED LIVE LOADS: ..... 20 PSF	
4. FLOOR DESIGN LOADS:	
SUPERIMPOSED DEAD LOADS: ..... 25 PSF	
SUPERIMPOSED LIVE LOADS: ..... 40 PSF	
5. WIND NET UPLIFT: AREAS AS INDICATED ON PLANS	

### FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SP1	585#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	(6) LOG TOE-SCREWS	
MISC. JOINTS	SIMPSON A34	

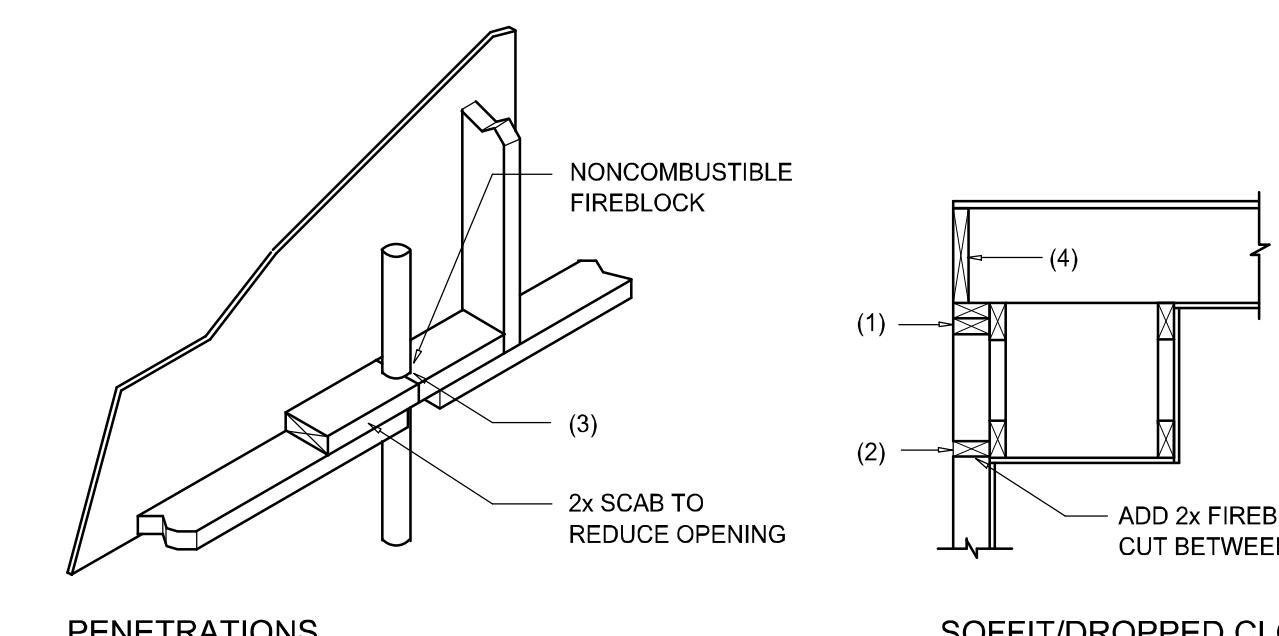
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:  
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/JOINT REINFORCEMENT AND FASTENERS.

NOTE:  
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:  
"SEMCO" PRODUCT APPROVAL:  
MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04  
SBCCI NER-443, NER-393



### PENETRATIONS

### SOFFIT/DROPPED CLG.

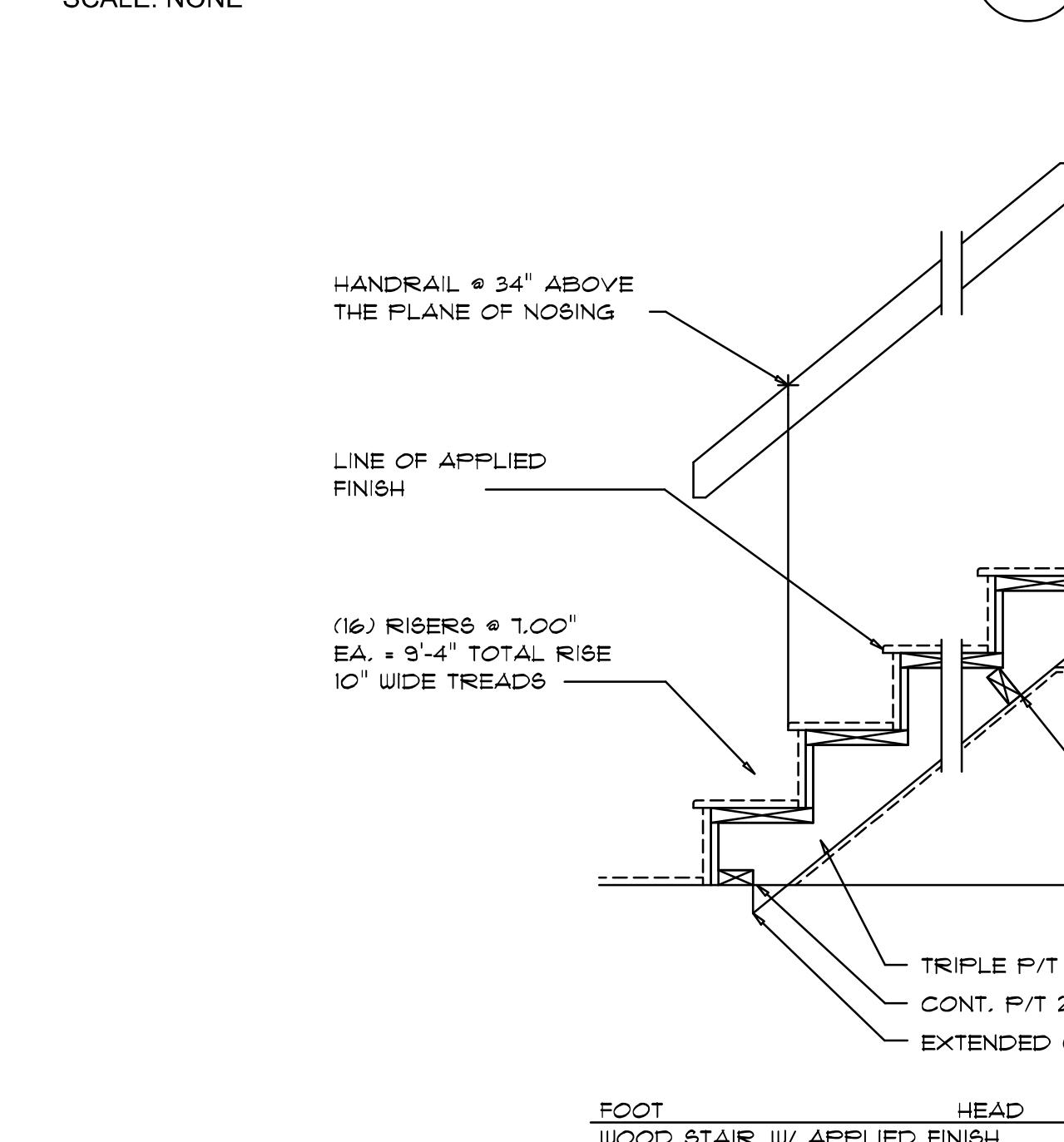
### FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPAANEL MULTIFLEX SEALANT"
4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

### Fire Stopping DETAILS

SCALE: NONE



### Typical Stair DETAIL

SCALE: 3/4" = 1'-0"

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

45°  
2' 0" MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"  
ROOF ANGLE 21° TO 45°

ZONE	AREA	Vult 115 MPH		Vult 120 MPH		Vult 130 MPH		Vult 140 MPH	
		Fcs	Neg	Fcs	Neg	Fcs	Neg	Fcs	Neg
1	10	10.2	-26.3	11.1	-22.1	13	-26	15.1	-30.1
1	20	10	-16	10	-19.6	11.3	-23	13.1	-36.7
1	50	10	-16	10	-16.3	10	-19.2	10.8	-30.2
1	100	10	-12.7	10	-13.8	10	-16.2	10	-18.8
2	10	10	-14.4	11.1	-16.4	13	-19.4	13.1	-24.1
2	20	10	-19.1	10	-26.5	11.3	-21.1	13.1	-26.3
2	50	10	-11.0	10	-12.9	10	-15.1	10.8	-17.6
2	100	10	-11.0	11.1	-33.3	13	-39.1	15.1	-46.4
2	200	10	-30.0	10	-28	11.3	-32.8	13.1	-36.1
2	500	10	-19.2	10	-20.9	10	-24.5	10.8	-28.4
2	1000	10	-14.3	10	-15.5	10	-18.2	10	-21.2
3	10	10	-32.7	11.1	-35.6	13	-41.7	15.1	-46.4
3	20	10	-24.0	10	-26.7	11.3	-31.4	13.1	-34.4
3	50	10	-14.3	10	-15.2	10	-18.2	10.8	-21.2
3	100	10	-14.3	10	-15.2	10	-18.2	10	-21.2
4	10	14.5	-15.5	15.5	-19.8	18.2	-21.2	19.8	-22.9
4	20	13.6	-14.0	14.8	-16.1	17.4	-19	20.2	-22
4	50	12.8	-14	13.9	-15.2	16.3	-17.6	19	-20.7
4	100	12.1	-14.5	13.2	-14.5	15.5	-17.1	16	-19.8
4	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6
5	10	14.5	-19.1	15.5	-20.8	18.2	-24.4	21.2	-28.3
5	20	13.0	-17.8	14.8	-19.4	17.4	-22.8	20.2	-36.4
5	50	12.5	-16.1	13.9	-17.6	16.3	-20.4	16	-28.9
5	100	12.1	-14.0	13.2	-16.1	15.5	-19	16	-22
5	500	10.6	-11.9	11.6	-12.9	13.6	-15.1	15.8	-17.6

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT (ft)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.41
20	.89	1.28	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66

ZONE	AREA	Vult 115 MPH		Vult 120 MPH		Vult 130 MPH		Vult 140 MPH	
		Fcs	Neg	Fcs	Neg	Fcs	Neg	Fcs	Neg
1-2a	10	10.6	-20.4	11.6	-28.7	13.6	-33.7	15.8	-39.1
1-2a	20	10	-28.4	10	-28.7	11.7	-33.7	13.6	-39.1
1-2a	50	10	-28.4	10	-17.8	10	-21.6	10.8	-33.2
1-2a	100	10	-18.7	10	-18.7	10	-21.6	10	-33.2
2-2b-2c	10	10.6	-28.5	11.6	-41.9	13.6	-49.2	15.8	-57
2-2b-2c	20	10	-30.2	10	-28.2	11.7	-42.4	15.8	-49.2
2-2b-2c	50	10	-28.5	10	-28.5	10	-33.5	10.8	-38.6
2-2b-2c	100	10	-20.9	10	-22.8	10	-26.7	10	-31
3c	10	10.6	-45.7	11.6	-49.6	13.6	-58.4	15.8	-67.6