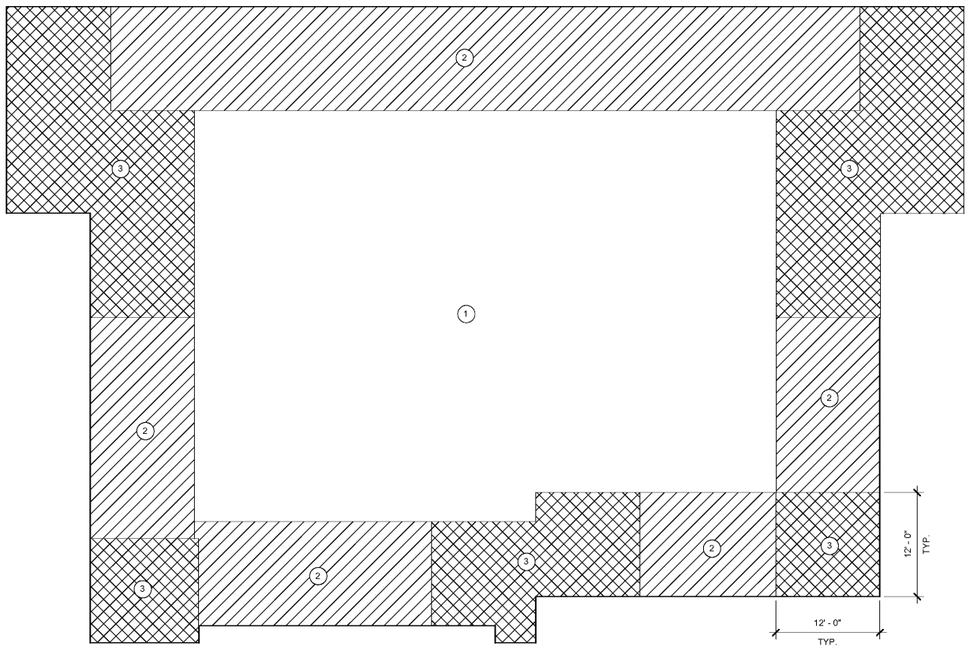


1 S1.3 WIND LOADING PLAN
SCALE: 1/8" = 1'-0"

LOAD SCHEDULE:

FLOOR LOAD:

DEAD LOAD FLOOR		
5 1/2" COMPOSITE FLOOR	=	44 PSF
INSULATION	=	5 PSF
STEEL FRAMING	=	5 PSF
M/E/P	=	7 PSF
CEILING	=	3 PSF
MISC.	=	2 PSF
TOTAL DEAD LOAD		66 PSF
LIVE LOAD		
CLASSROOMS	=	40 PSF
CORRIDORS	=	80 PSF
BRIDGE	=	100 PSF

ROOF:

DEAD LOAD		
1 1/2" METAL DECK	=	3 PSF
STEEL FRAMING	=	5 PSF
INSULATION	=	5 PSF
M/E/P	=	7 PSF
CEILING	=	3 PSF
MISC.	=	2 PSF
ROOFING	=	5 PSF
TOTAL DEAD LOAD		30 PSF
ROOF LIVE LOAD	=	30 PSF

WIND DESIGN DATA:

CODE: ASCE 7-10 FLORIDA BUILDING CODE, 2014 Ed.

BASIC WIND SPEED	180 mph (ULT) 140 mph (ASD)
CATEGORY (RISK)	III
EXPOSURE	C
BUILDING HEIGHT	31ft.
ENCLOSURE CLASSIFICATION	± 0.18

* GLAZED OPENINGS IN RISK CATEGORY II, III, IV LOCATED IN HURRICANE PRONE REGIONS SHALL BE PROTECTED IN ACCORDANCE WITH FBC 2014 SEC. 1609.1.2

COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE

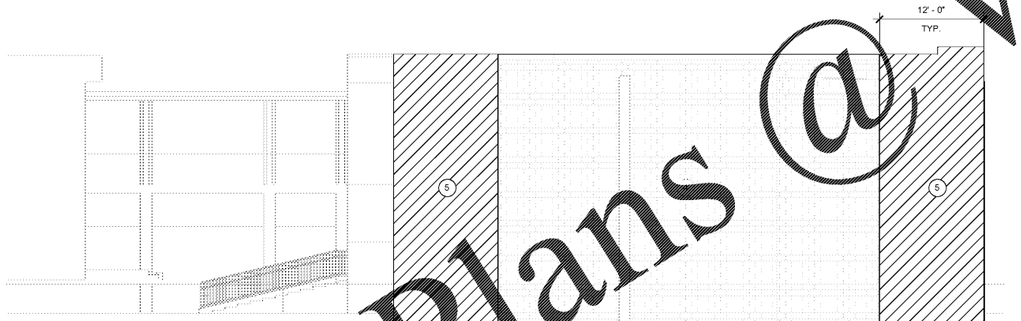
PATTERN	ZONE	MAIN ROOF EFFECTIVE WIND AREA					
		10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.	200 SQ. FT.	500 SQ. FT.
	1	+40 PSF/-98 PSF	+38 PSF/-96 PSF	+34 PSF/-90 PSF	+32 PSF/-90 PSF	+32 PSF/-90 PSF	+32 PSF/-90 PSF
	2	+40 PSF/-164 PSF	+38 PSF/-148 PSF	+34 PSF/-123 PSF	+32 PSF/-106 PSF	+32 PSF/-106 PSF	+32 PSF/-106 PSF
	3	+40 PSF/-247 PSF	+38 PSF/-206 PSF	+34 PSF/-148 PSF	+32 PSF/-106 PSF	+32 PSF/-106 PSF	+32 PSF/-106 PSF
	2' ov	-156 PSF	-154 PSF	-150 PSF	-148 PSF	-148 PSF	-106 PSF
	3' ov	-247 PSF	-198 PSF	-131 PSF	-82 PSF	-82 PSF	-82 PSF

COMPONENTS AND CLADDING
DESIGN WIND PRESSURE (ULTIMATE) FOR WALLS, DOORS & WINDOWS

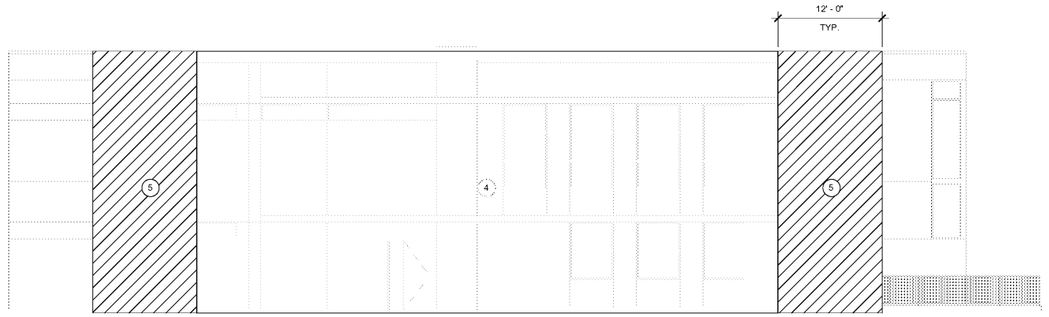
PATTERN	ZONE	EFFECTIVE WIND AREA					
		10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.	200 SQ. FT.	500 SQ. FT.
	4	+98 PSF/-106 PSF	+94 PSF/-102 PSF	+90 PSF/-98 PSF	+82 PSF/-90 PSF	+77 PSF/-90 PSF	+73 PSF/-82 PSF
	5	+98 PSF/-131 PSF	+94 PSF/-123 PSF	+90 PSF/-115 PSF	+82 PSF/-106 PSF	+77 PSF/-94 PSF	+73 PSF/-82 PSF

NOTE:

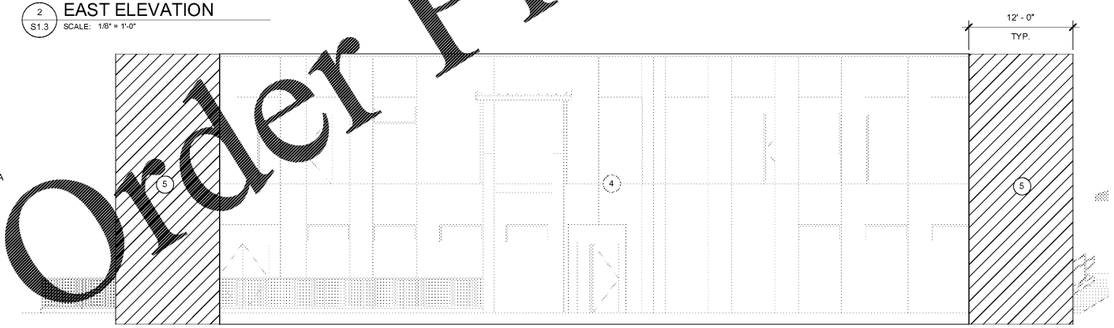
1. ALL EXTERIOR DOORS & WINDOW ASSEMBLIES SHALL SATISFY THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2014 EDITION, SECTION 1710.5). ALL CONNECTIONS TO BUILDING STRUCTURE SHALL HAVE THE CAPACITY TO WITHSTAND THE PRESSURES INDICATED IN THIS SCHEDULE.
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
3. ALL WIND PRESSURE VALUES INDICATED ARE IN POUNDS PER SQUARE FOOT (PSF). MULTIPLY ULTIMATE WIND PRESSURE BY 0.60 FOR ASD PRESSURE.



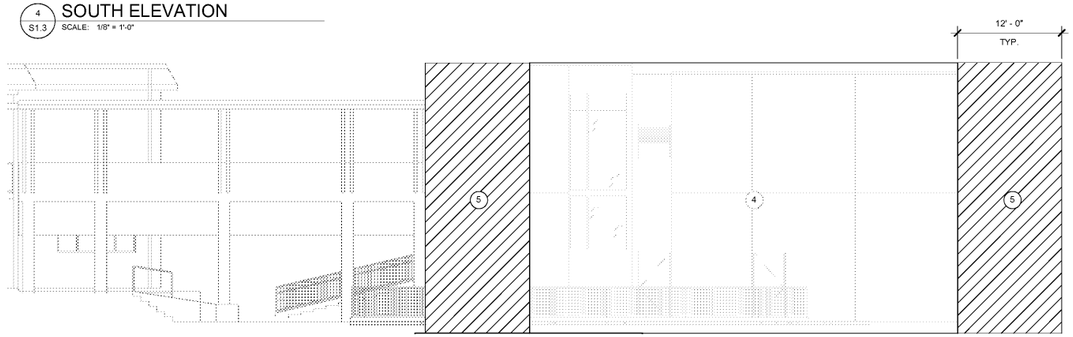
2 S1.3 EAST ELEVATION
SCALE: 1/8" = 1'-0"



4 S1.3 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



3 S1.3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



5 S1.3 WEST ELEVATION
SCALE: 1/8" = 1'-0"

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, 2014 EDITION, ACI 318-11 AND LOCAL CODES AS APPLICABLE

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CONSTRUCTION DOCUMENTS

Comm. No: Project Number
Date: Issue Date
Drawn: FR

Revisions		
No.	Date	Note

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WIND DESIGN DATA & LOAD SCHEDULE

S1.3