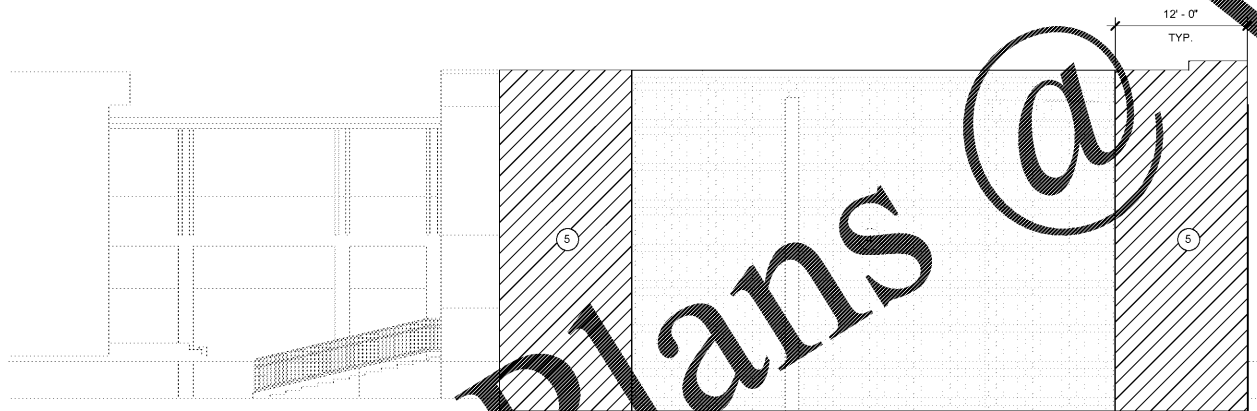
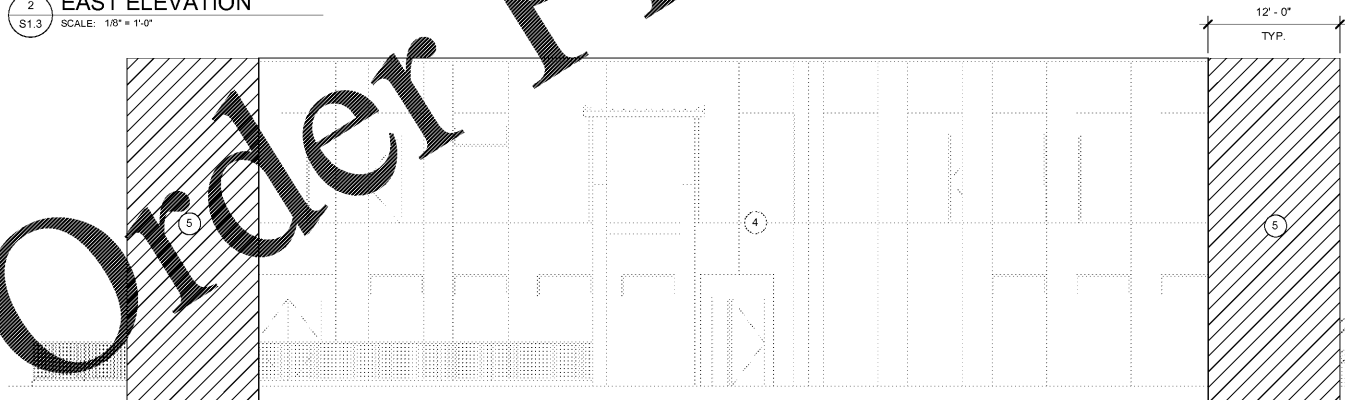


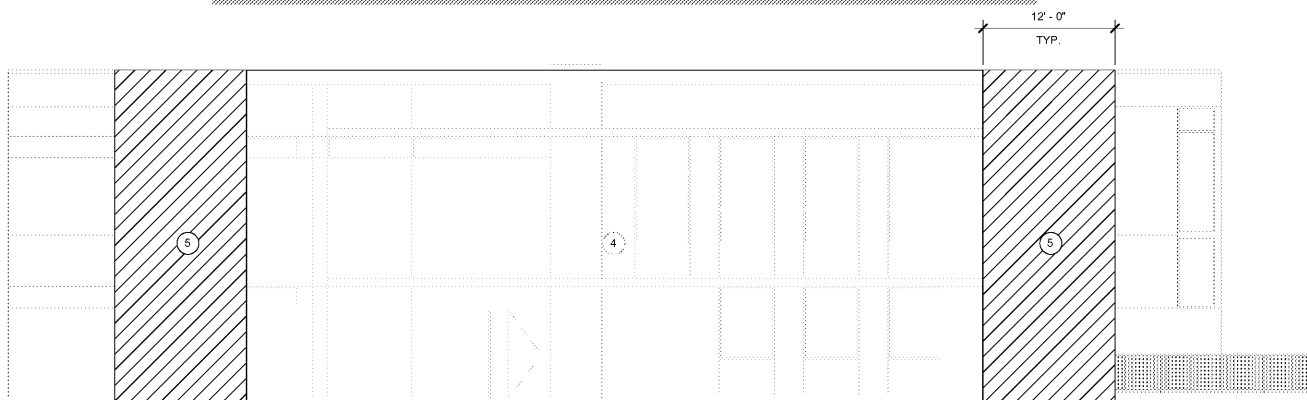
1 WIND LOADING PLAN  
S1.3 SCALE: 1/8" = 1'-0"



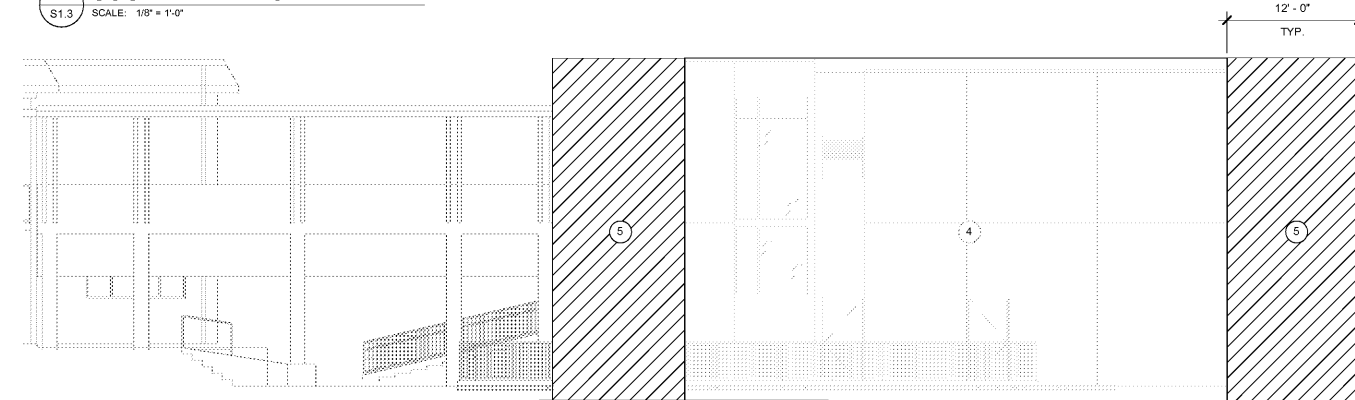
2 EAST ELEVATION  
S1.3 SCALE: 1/8" = 1'-0"



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



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



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

**LOAD SCHEDULE:**

**FLOOR LOAD:**

DEAD LOAD FLOOR	=	44 PSF
5 1/2" COMPOSITE FLOOR	=	5 PSF
INSULATION	=	5 PSF
STEEL FRAMING	=	5 PSF
M/E/P	=	7 PSF
CEILING	=	3 PSF
MISC.	=	2 PSF
<b>TOTAL DEAD LOAD</b>	=	<b>66 PSF</b>

**LIVE LOAD:**

CLASSROOMS	=	40 PSF
CORRIDORS	=	80 PSF
BRIDGE	=	100 PSF

**ROOF:**

DEAD LOAD	=	3 PSF
1 1/2" METAL DECK	=	5 PSF
STEEL FRAMING	=	5 PSF
INSULATION	=	7 PSF
M/E/P	=	3 PSF
CEILING	=	2 PSF
MISC.	=	5 PSF
ROOFING	=	5 PSF
<b>TOTAL DEAD LOAD</b>	=	<b>30 PSF</b>
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	EFFECTIVE WIND AREA					
		10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.	200 SQ. FT.	500 SQ. FT.
1	1	+40 PSF/-98 PSF	+38 PSF/-96 PSF	+34 PSF/-92 PSF	+32 PSF/-90 PSF	+32 PSF/-90 PSF	+32 PSF/-90 PSF
2	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	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	2' ov	-156 PSF	-148 PSF	-150 PSF	-148 PSF	-148 PSF	-106 PSF
3' ov	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	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	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:**

- 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.
- PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
- ALL WIND PRESSURE VALUES INDICATED ARE IN POUNDS PER SQUARE FOOT (PSF). MULTIPLY ULTIMATE WIND PRESSURE BY 0.60 FOR ASD PRESSURE.

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THE BENJAMIN SCHOOL -  
LOWER/MIDDLE SCHOOL  
11000 Ellison Wilson Road, North Palm Beach, FL 33408  
CONSTRUCTION DOCUMENTS

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

Revisions		
No.	Date	Note

JOSE F. VAZQUEZ  
LICENSE  
No 82831  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

WIND DESIGN DATA & LOAD SCHEDULE

S1.3

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