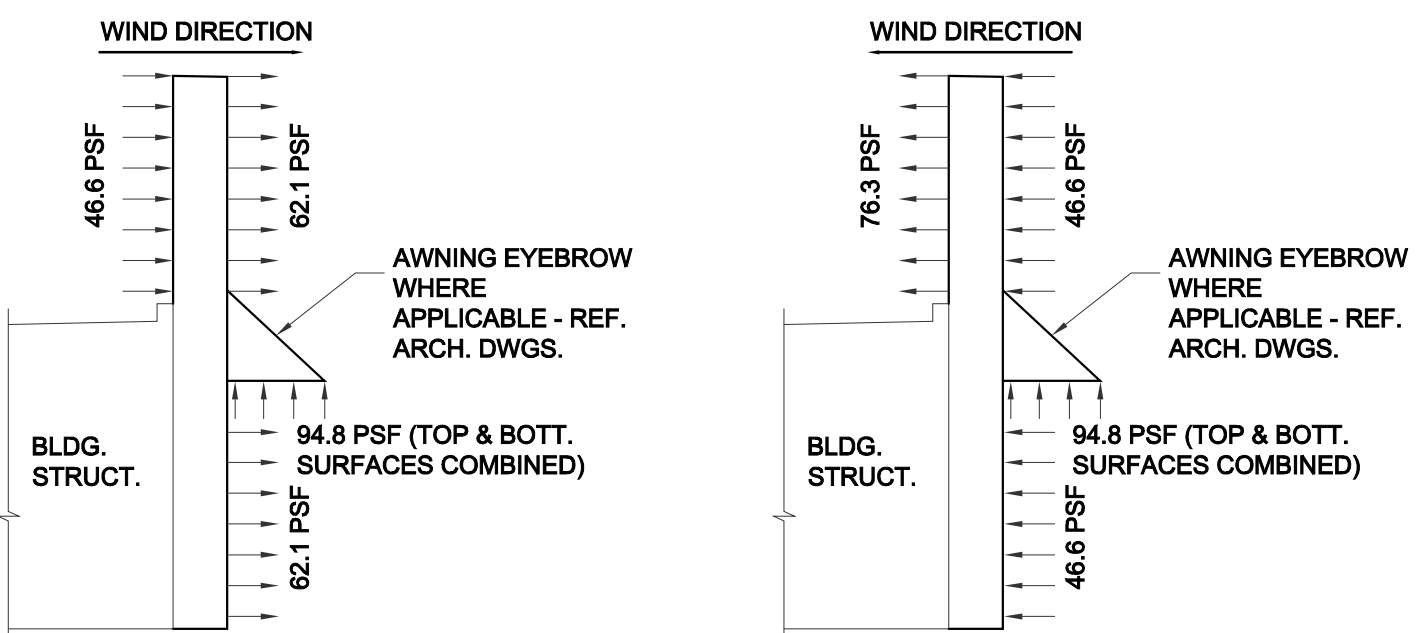


ZONE 4
SOFFITS TO BE DESIGNED FOR:
(+) 46.6 PSF PRESSURE
(-) 50.5 PSF SUCTION

SECTION
SCALE: N.T.S.

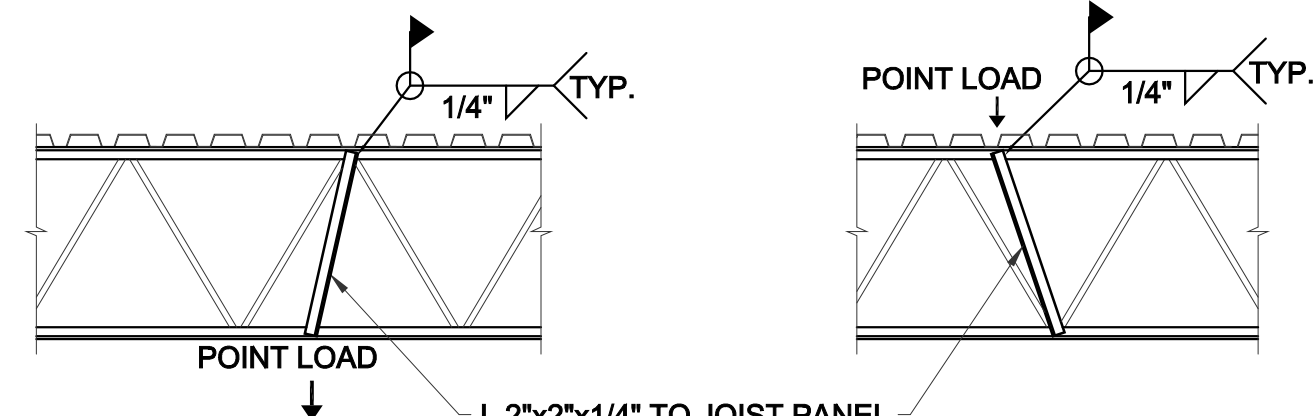
1
S-5.0



ZONE 5
SOFFITS TO BE DESIGNED FOR:
(+) 46.6 PSF PRESSURE
(-) 62.1 PSF SUCTION

SECTION
SCALE: N.T.S.

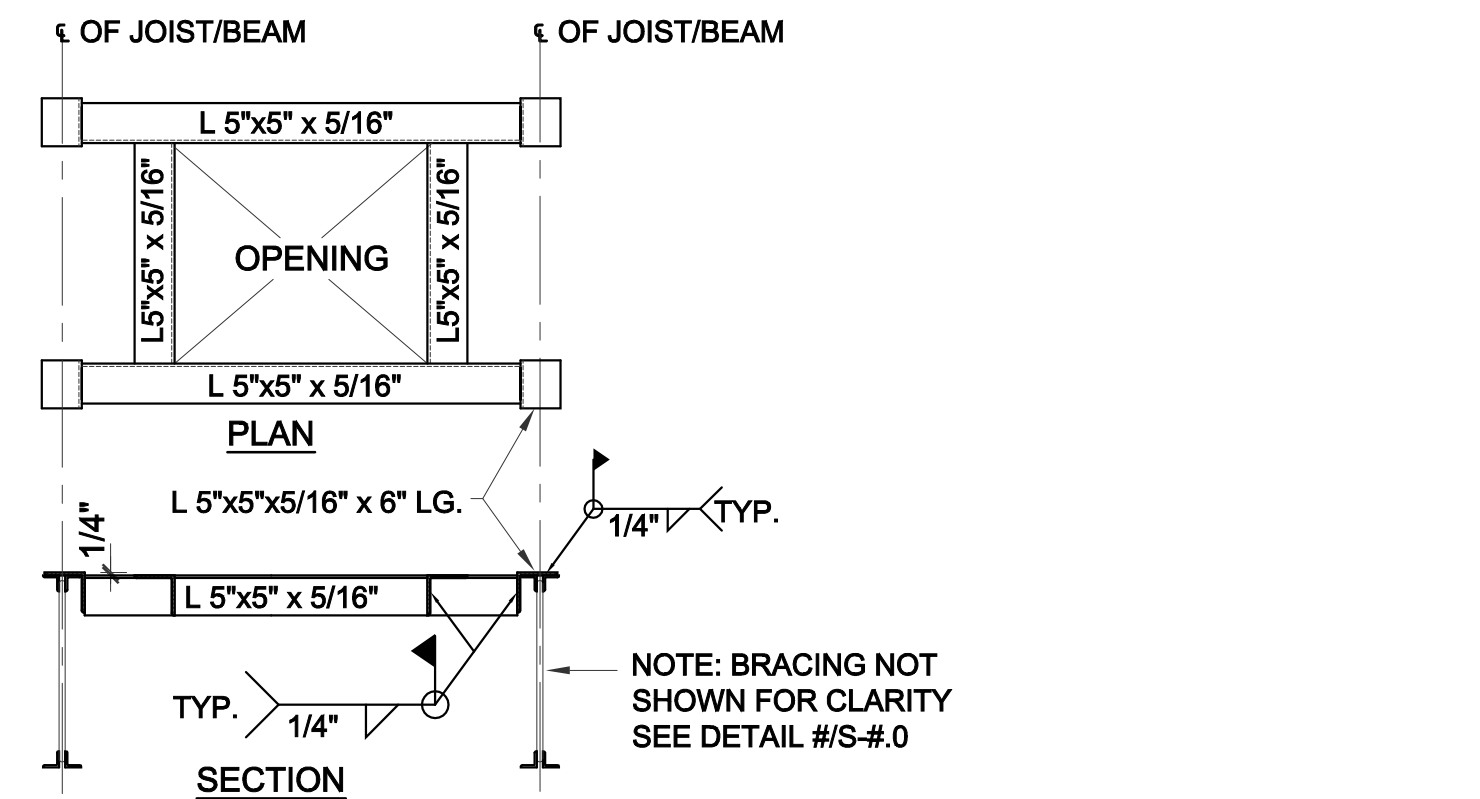
2
S-5.0



NOTE:
WHEN POINT LOAD DOES NOT BEAR ON A JOIST PANEL POINT INSTALL (2) L 2"x2"x1/4" STRUTS FROM BEARING POINT TO TWO NEAREST PANEL POINTS ON TOP CHORD OF EXIST. JOIST. (ONE EACH SIDE OF JOIST)

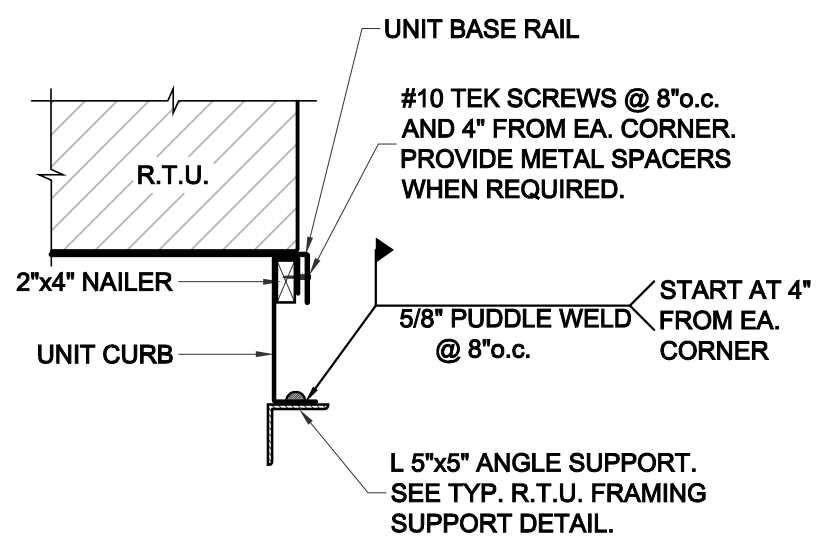
NOTE:
WHEN POINT LOAD DOES NOT BEAR ON A JOIST PANEL POINT INSTALL (2) L 2"x2"x1/4" STRUTS FROM BEARING POINT TO TWO NEAREST PANEL POINTS ON BOTTOM CHORD OF JOIST. (ONE EACH SIDE OF JOIST)

NOTE:
1. ROOF OPENING - SEE ARCHITECTURAL AND MECHANICAL DWGS. FOR SIZE AND LOCATION. COORDINATE FRAME DIMENSIONS W/ ACTUAL EQUIPMENT PURCHASED FOR INSTALLATION.
2. FOR MISC. ROOF OPENINGS - 12" OR SMALLER (EXAMPLE: PIPING CHASE, ETC. FRAME WITH L2 1/2 x 2 1/2 x 3/16 IN LIEU OF L5x5x 5/16 - SEE BELOW FOR DETAIL)
3. WHEN JOIST BRIDGING INTERFERES W/ ROOF OPENING FRAMES STOP BRIDGING AT EACH SIDE OF OPENING AND REPLACE W/ TWO RUNS OF BRIDGING EACH SIDE OF OPENING EXTEND ADDITIONAL BRIDGING ONE SPACE EACH SIDE OF OPENING.



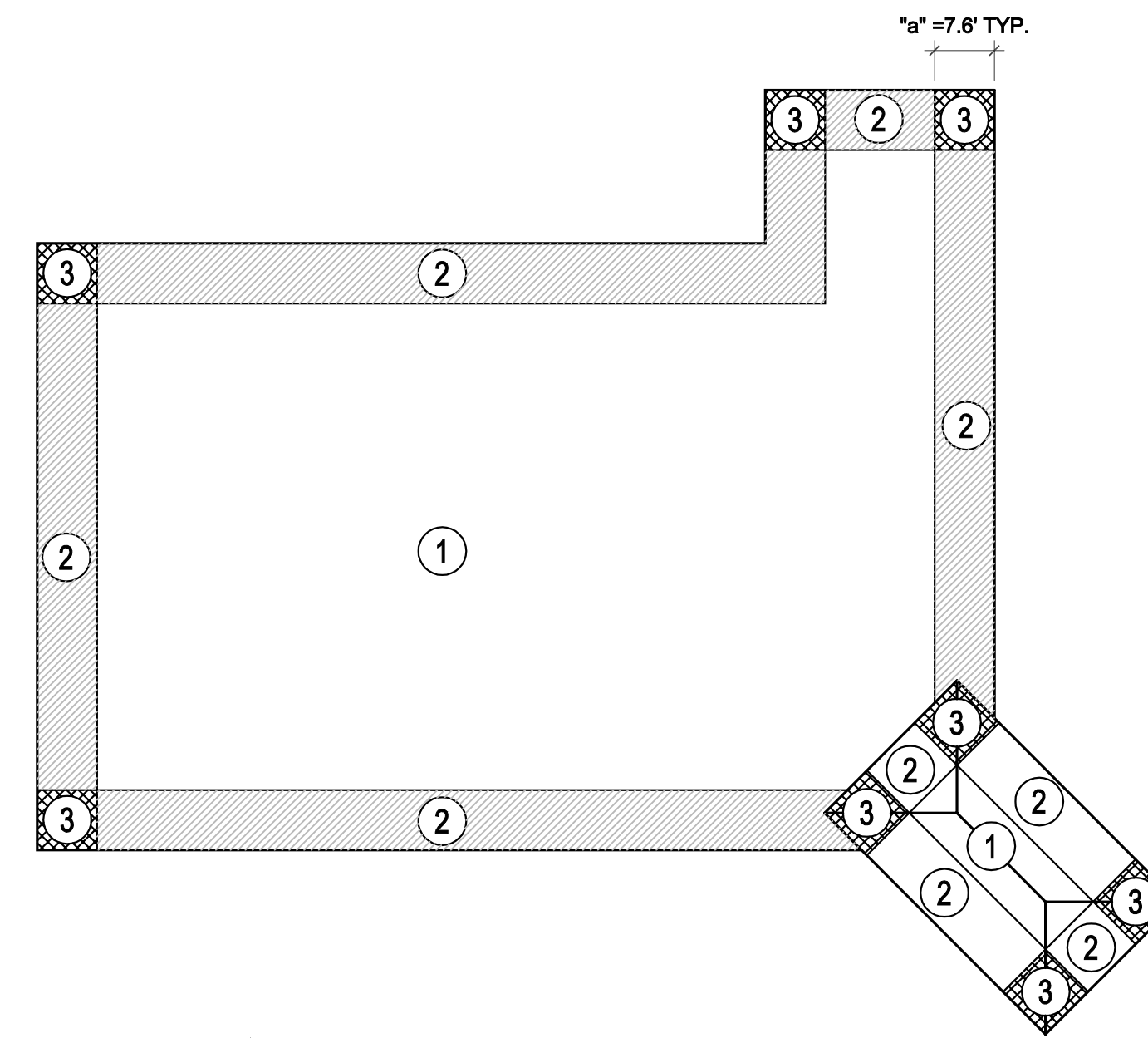
FRAMING DETAIL AT OPENINGS
SCALE: N.T.S.

3
S-5.0



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

4
S-5.0

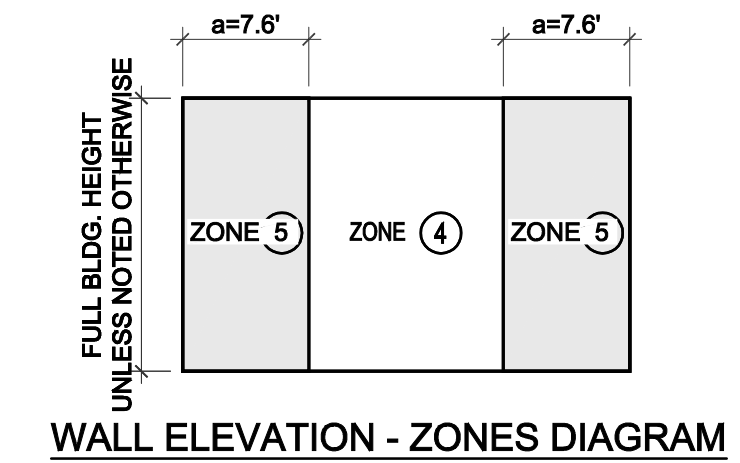
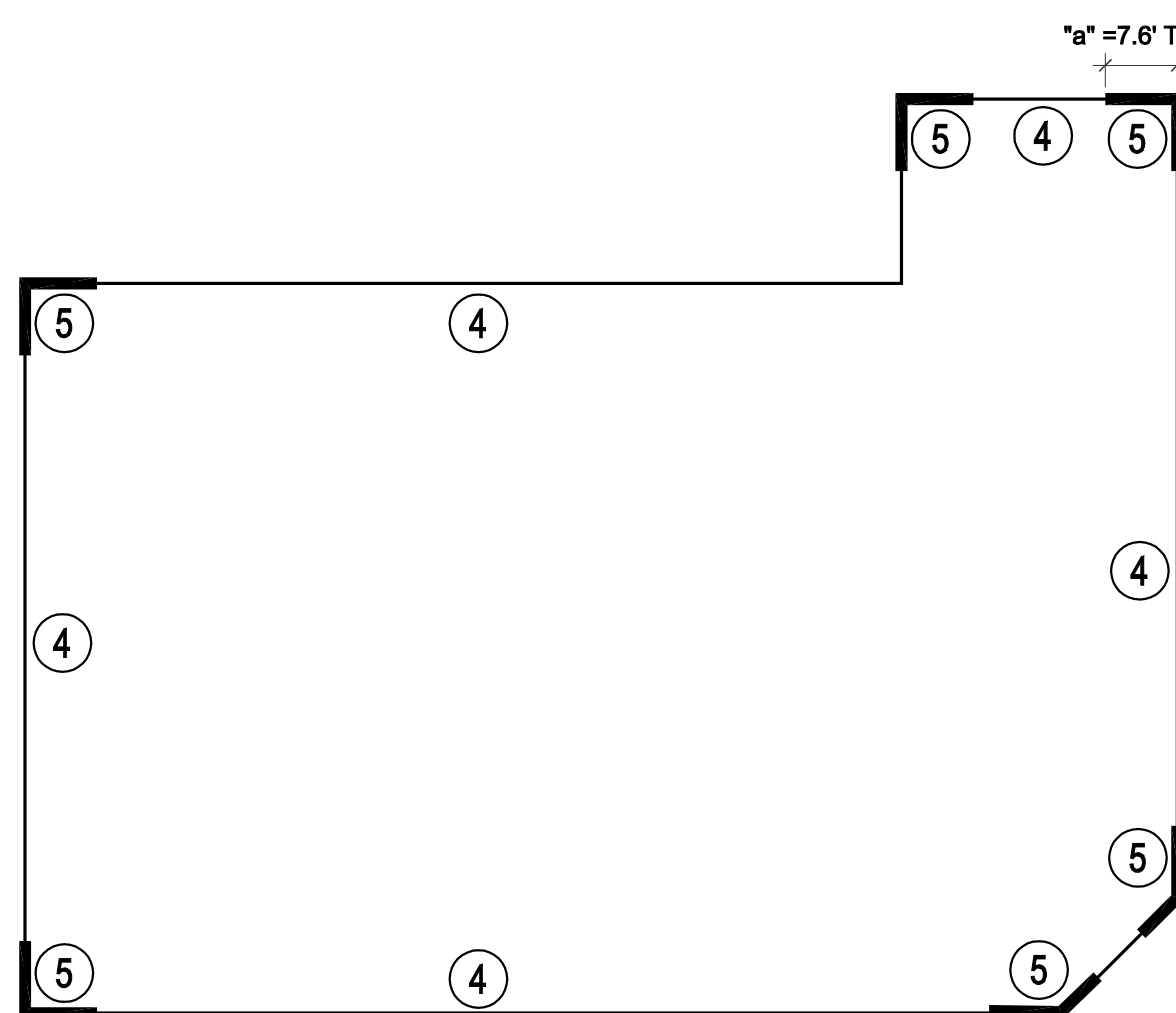


NOTE:
• TRUSSES SHALL BE DESIGNED WITH THE APPROPRIATE ZONES, COMPONENTS AND CLADDING, IN ACCORDANCE WITH ASCE 7-10 WIND LOADS, AND SHALL BE DESIGNED ACCORDINGLY.
• PRESSURES INDICATED IN TABLES ARE CALCULATED SERVICE PRESSURES (0.6W) IN ACCORDANCE WITH ASCE 7-10

SERVICE WIND PRESSURES (ASD) AS PER ASCE 7-10			
Kd = 1.0			
AREA	ZONE 1	ZONE 2	ZONE 3
≤ 19 sqft	+22.87	+51.46	+51.46
	-56.23	-94.35	-94.35
20 sqft < A ≤ 49 sqft	+21.44	+49.19	+49.19
	-54.8	-84.32	-84.32
50 sqft < A ≤ 99 sqft	+19.54	+46.17	+46.17
	-52.9	-71.04	-71.04
100 sqft < A	+18.11	+43.89	+43.89
	-51.46	-60.99	-60.99

SERVICE WIND PRESSURES (ASD) AS PER ASCE 7-10			
Kd = 0.85			
AREA	ZONE 1	ZONE 2	ZONE 3
≤ 19 sqft	+19.44	+43.74	+43.74
	-47.79	-80.20	-80.20
20 sqft < A ≤ 49 sqft	+18.22	+41.81	+41.81
	-46.58	-71.67	-71.67
50 sqft < A ≤ 99 sqft	+16.81	+39.25	+39.25
	-44.96	-60.38	-60.38
100 sqft < A	+15.39	+37.31	+37.31
	-43.74	-51.84	-51.84

ROOF UPLIFT DIAGRAM



WIND CRITERIA:
V = 170 MPH
EXPOSURE "D"

NOTE:
INTERNAL PRESSURE COEFFICIENT = -0.18
• PRESSURES INDICATED IN TABLES ARE CALCULATED SERVICE PRESSURES (0.6W) IN ACCORDANCE WITH ASCE 7-10

SERVICE WIND PRESSURES (ASD) AS PER ASCE 7-10		
Kd = 1.0		
WINDOW / DOOR AREA	ZONE 4	ZONE 5
≤ 19 sqft	+51.46	+51.46
	-55.75	-68.62
20 sqft < A ≤ 49 sqft	+49.19	+49.19
	-53.48	-64.06
50 sqft < A ≤ 99 sqft	+46.17	+46.17
	-50.46	-58.03
100 sqft < A	+43.89	+43.89
	-48.18	-53.47

SERVICE WIND PRESSURES (ASD) AS PER ASCE 7-10		
Kd = 0.85		
WINDOW / DOOR AREA	ZONE 4	ZONE 5
≤ 19 sqft	+43.74	+43.74
	-47.39	-58.33
20 sqft < A ≤ 49 sqft	+41.81	+41.81
	-45.45	-54.46
50 sqft < A ≤ 99 sqft	+39.25	+39.25
	-42.89	-49.33
100 sqft < A	+37.31	+37.31
	-40.95	-45.45

WINDOW & DOOR PRESSURE ZONES

Revisions:

- 1
- 2
- 3
- 4
- 5

Project Number
160412

1066 U.S. HIGHWAY 1
New Retail Building - Goodwill
1066 U.S. HIGHWAY 1
Vero Beach, Florida

Project Name
New Retail Building

Stephen Brascaglia, Architect

State Of Florida
Registration No. AR12239

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Plantation, Florida 33317

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architect # design23.net

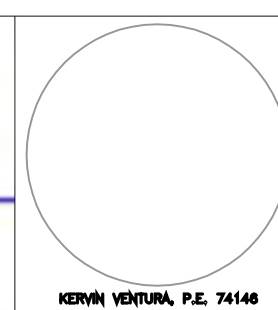
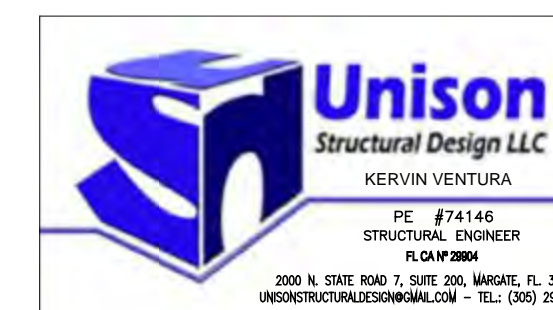
WIND PRESSURES & FRAMING DETAILS

Drawn By: R.S.S.
Checked By: S.T.B.

Scale: SHOWN Date: 7-13-16

Project Number
160412

Sheet:
S-5.0



PERMIT SET 07-29-2016