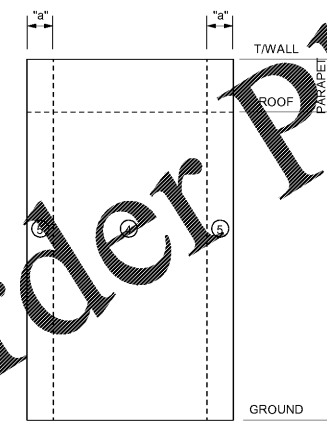


Roof Plan at Storm Shelter

Order Plans @ WWW.LDILine.com



Wall Elevation

Components and Cladding Wind Pressures (Ultimate)

ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1 ROOF INTERIOR ZONE	10	18.6	-34.0
	20	18.0	-33.3
	50	17.1	-32.5
	≥100	16.5	-31.8
ZONE 2 ROOF EDGE ZONE	10	18.6	-51.6
	20	18.0	-46.9
	50	17.1	-40.8
	≥100	16.5	-36.2
ZONE 3 ROOF CORNER ZONE	10	18.6	-73.5
	20	18.0	-62.3
	50	17.1	-47.4
	≥100	16.5	-36.2
ZONE 4 WALL INTERIOR ZONE	10	31.8	-33.8
	20	30.8	-32.7
	50	29.4	-31.4
	100	28.3	-30.3
	≥500	25.9	-27.9
ZONE 5 WALL EDGE ZONE	10	31.8	-39.7
	20	30.8	-37.6
	50	29.4	-34.8
	100	28.3	-32.7
	≥500	25.9	-27.9

WIDTH OF EDGE STRIP, a=6.8 FT
 INTERNAL PRESSURE COEFFICIENT = ±0.18

Storm Shelter Components and Cladding Wind Pressures (Ultimate)

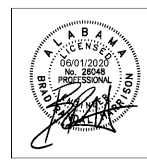
ZONE	EFFECTIVE WIND AREA (SQ FT)	MAX +VE PRESSURE (PSF)	MAX -VE PRESSURE (PSF)
ZONE 1 ROOF INTERIOR ZONE	10	67.8	-124
	20	65.4	-121
	50	62.2	-118
	≥100	59.8	-116
ZONE 2 ROOF EDGE ZONE	10	67.8	-187
	20	65.4	-171
	50	62.2	-148
	≥100	59.8	-132
ZONE 3 ROOF CORNER ZONE	10	67.8	-267
	20	65.4	-226
	50	62.2	-172
	≥100	59.8	-132
ZONE 4 WALL INTERIOR ZONE	10	116	-123
	20	112	-119
	50	107	-114
	100	103	-110
ZONE 5 WALL EDGE ZONE	10	116	-144
	20	112	-137
	50	107	-127
	100	103	-119
	≥500	94.1	-101

WIDTH OF EDGE STRIP, a=3.1 FT
 INTERNAL PRESSURE COEFFICIENT = ±0.18

Storm Shelter Composite Joist Design Loads (ASD)

GRAVITY LOAD : 2098.5 PLF (SEE PLANS FOR APPROX. WEIGHTS AND LOCATIONS OF MECH. ROOF TOP UNITS)
 UPLIFT LOAD: -775.8 PLF OR -1.5 KIPS ANYWHERE ALONG TOP CHORD
 LIVE LOAD FOR DEFLECTION: 810 PLF

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 GLENN STREET
 OPELIKA, ALABAMA 36801



SHEET TITLE:
 COMPONENTS AND CLADDING

PROJ. MGR.: AC
 DRAWN: MBJ
 DATE: JUNE 1, 2020
 CHECKED BY: BRH
 REVISIONS

#	Description	Date

JOB NO. 19-32
 SHEET NO.

S0.5

6 OF 18
 SEQUENCE NO. 54 / 90

