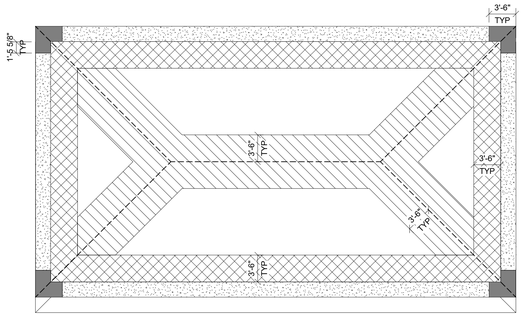
STORAGE BUILDING - COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE SCHEDULE (PSF)							
EFFECTIVE WIND AREA	ROOF			ROOF OVERHANG		WALL	
	ZONE 1	ZONE 2	ZONE 3	ZONE 2	ZONE 3	ZONE 4	ZONE 5 (NOTE 2)
25 SF	-45/+20	-60/+20	-65/+20	-87/+20	-94/+20	-32/+30	-39/+30
50 SF	-39/+16	-53/+16	-57/+16	-79/+16	-83/+16	-31/+28	-36/+28
100 SF	-32/+16	-46/+16	-50/+16	-70/+16	-73/+16	-30/+27	-33/+27

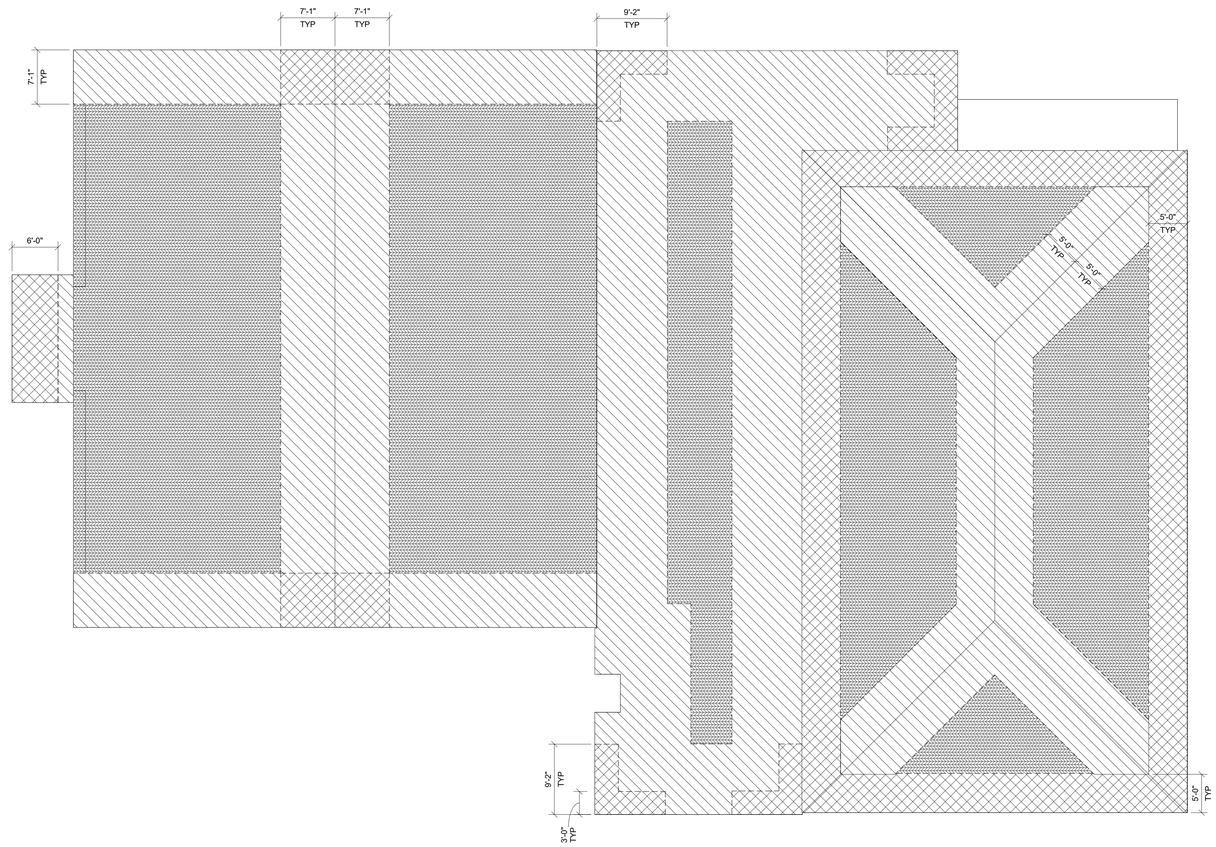
SCHEDULE NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.
2. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH. FOR CLADDING FASTENERS, THE EFFECTIVE WIND AREA SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
3. DESIGN PRESSURES LISTED ABOVE ARE CALCULATED USING A Kd FACTOR OF 0.85. IF LOAD COMBINATIONS SPECIFIED IN ASCE 7-22 ARE NOT USED IN DESIGN, TABULATED PRESSURES MUST BE INCREASED BY 15%.
4. TRUSS MANUFACTURER MAY DEVELOP WIND PRESSURES BASED ON LARGER TRIBUTARY AREAS, DEAD LOAD FOR UPLIFT CALCULATION TO BE 5 PSF.
5. ZONE 4 PRESSURES APPLY TO WALLS ADJACENT TO ZONE 2 ROOF PRESSURES. ZONE 5 PRESSURES SHALL APPLY TO WALLS ADJACENT TO ZONE 3 ROOF PRESSURES.



5 S-0.02 WIND LOADING DIAGRAM - STORAGE BUILDING
1/8" = 1'-0"

MAIN BUILDING - COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE SCHEDULE (PSF)									
EFFECTIVE WIND AREA	ROOF			ROOF OVERHANG		WALL		PARAPET	
	ZONE 1	ZONE 2	ZONE 3	ZONE 3 @ ZONE 4	ZONE 3 @ ZONE 5	ZONE 4	ZONE 5 (NOTE 2)	ZONE 2	ZONE 3 (NOTE 2)
25 SF	-51/+32.5	-64.1/+32.5	-64.1/+32.5	-78.4/+32.5	-85.2/+32.5	-47/+44.1	-53.9/+44.1	-50.6/+65.4	-56.6/+65.4
50 SF	-45.6/+28.9	-55.1/+28.9	-55.1/+28.9	-67.8/+28.9	-73.1/+28.9	-45.5/+42.5	-50.7/+42.5	-47.9/+56.3	-52.4/+56.3
100 SF	-40.2/+25.3	-46.2/+25.3	-46.2/+25.3	-57.3/+25.3	-61/+25.3	-43.9/+40.9	-47.6/+40.9	-45.1/+47.1	-48.3/+47.1

SCHEDULE NOTES:
1. (+) AND (-) SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACE, RESPECTIVELY.
2. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH. FOR CLADDING FASTENERS, THE EFFECTIVE WIND AREA SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENER.
3. DESIGN PRESSURES LISTED ABOVE ARE CALCULATED USING A Kd FACTOR OF 0.85. IF LOAD COMBINATIONS SPECIFIED IN ASCE 7-22 ARE NOT USED IN DESIGN, TABULATED PRESSURES MUST BE INCREASED BY 15%.
4. TRUSS AND JOIST MANUFACTURER MAY DEVELOP WIND PRESSURES BASED ON LARGER TRIBUTARY AREAS, DEAD LOAD FOR UPLIFT CALCULATION TO BE 5 PSF.
5. ZONE 4 PRESSURES APPLY TO WALLS ADJACENT TO ZONE 2 ROOF PRESSURES. ZONE 5 PRESSURES SHALL APPLY TO WALLS ADJACENT TO ZONE 3 ROOF PRESSURES.



3 S-0.02 WIND LOADING DIAGRAM - MAIN BUILDING
1/8" = 1'-0"

ABBREVIATIONS

ABT	ABOUT	(E)	EXISTING	IF	INSIDE FACE	OC	ON CENTER
ACI	AMERICAN CONCRETE INSTITUTE	EA	EACH	IBC	INTERNATIONAL BUILDING CODE	OD	OUTSIDE DIAMETER
ADDL	ADDITIONAL	EF	EACH FACE	ICC	INTERNATIONAL CODE COUNCIL	OF	OUTSIDE FACE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EJ	EXPANSION JOINT	ID	INSIDE DIAMETER	OPNG	OPENING
ALT	ALTERNATE	EL	ELEVATION	IE	INVERT ELEVATION	OPP	OPPOSITE
APPROX	APPROXIMATE	ELEC	ELECTRICAL	IN	INCH	OSH	OVERSIZED HOLE
ARCH	ARCHITECTURAL/ARCHITECT	ENGR	ENGINEER	INT	INTERIOR		
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	EOD	EDGE OF DECK			PCF	POUNDS PER CUBIC FOOT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	EOR	ENGINEER OF RECORD	JT	JOINT	PE	PROFESSIONAL ENGINEER
AWS	AMERICAN WELDING SOCIETY	EOS	EDGE OF SLAB			PERIM	PERIMETER
		EQ	EQUAL	K	KIP(S)	PJF	PREMOLDED JOINT FILLER
B	BOTTOM OF	EQUIP	EQUIPMENT	KSF	KIPS PER SQUARE FOOT	PL	PLATE
BLDG	BUILDING	EW	EACH WAY	KSI	KIPS PER SQUARE INCH	PLCS	PLACES
BM	BEAM	EXP	EXPANSION			PLF	POUNDS PER LINEAR FOOT
BOTT	BOTTOM	EXT	EXTERIOR	(LLH)	LONG LEG HORIZONTAL (ANGLE)	PREFAB	PREFABRICATED
BP	BASE PLATE			(LLV)	LONG LEG VERTICAL (ANGLE)	PSF	POUNDS PER SQUARE FOOT
BRG	BEARING	FD	FLOOR DRAIN	(LSH)	LONG SIDE HORIZONTAL (HSS)	PSI	POUNDS PER SQUARE INCH
BTWN	BETWEEN	FDN	FOUNDATION	(LSV)	LONG SIDE VERTICAL (HSS)	PT	POINT
		FF	FINISHED FLOOR	LB	POUND		
C/C	CENTER TO CENTER	FFE	FINISHED FLOOR ELEVATION	LF	LINEAR FEET	R	RADIUS
CALC	CALCULATION(S)	FG	FINISHED GRADE	LL	LIVE LOAD	RD	ROOF DRAIN
CANT	CANTILEVER	FIN	FINISH	LOC	LOCATION	REF	REFERENCE
CFMF	COLD-FORMED METAL FRAMING	FLG	FLANGE	LONG	LONGITUDINAL	REINF	REINFORCING
CHKD	CHECKED	FLR	FLOOR	LP	LOW POINT	REQD	REQUIRED
CIP	CAST-IN-PLACE CONCRETE	FRMG	FRAMING	LSH	LONG SLOTTED HOLE	RET	RETURN
CJ	CONSTRUCTION CONTROL JOINT	FRP	FIBER REINFORCED PLASTIC	LWC	LIGHT WEIGHT CONCRETE	REV	REVISION
CJP	COMPLETE JOINT PENETRATION	FS	FAR SIDE			RO	ROUGH OPENING
CL	CENTERLINE	FT	FOOT	M	MOMENT	RTU	ROOFTOP UNIT
CLR	CLEAR, CLEARANCE	FTG	FOOTING	MAX	MAXIMUM		
COL	COLUMN	FV	FIELD VERIFY	MC	MOMENT CONNECTION	(SLV)	SHORT LEG VERTICAL
CONC	CONCRETE			MECH	MECHANICAL	SC	SLIP CRITICAL
CONN	CONNECTION	GA	GAGE, GAUGE	MEP	MECHANICAL, ELECTRICAL, AND PLUMBING	SCHED	SCHEDULE
CONT	CONTINUOUS	GALV	GALVANIZED (HOT DIP)	MFC	MANUFACTURED	SECT	SECTION
COORD	COORDINATE	GC	GENERAL CONTRACTOR	MFR	MANUFACTURER	SHT	SHEET
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	GRTG	GRATING	MIN	MINIMUM	SIM	SIMILAR
CTR	CENTER			MISC	MISCELLANEOUS	SL	SLOPE
CTRD	CENTERED	(H)	HORIZONTAL BEAM ORIENTATION	MTD	MOUNTED	SPCS	SPACES
CW	CURTAINWALL	HCA	HEADED CONCRETE ANCHOR	MTL	METAL	SPEC(S)	SPECIFICATION(S)
		HDR	HEADER			SQ	SQUARE
DBA	DEFORMED BAR ANCHOR	HGR	HANGER	N&F	NEAR AND FAR	SS	STAINLESS STEEL
DBE	DECK BEARING ELEVATION	HK	HOOK	N/A	NOT APPLICABLE	SSH	SHORT SLOTTED HOLE
DBL	DOUBLE	HORIZ	HORIZONTAL	NIC	NOT IN CONTRACT	STD	STANDARD
DEG	DEGREES	HP	HIGH POINT	NO/NO.	NUMBER	STIF	STIFFENER
DET	DETAIL	HR	HANDRAIL	NOM	NOMINAL	STL	STEEL
DIA	DIAMETER	HSB	HIGH STRENGTH BOLT	NS	NEAR SIDE	STRUCT	STRUCTURAL
DIAG	DIAGONAL			NTS	NOT TO SCALE	SYM	SYMMETRICAL
DIR	DIRECTION			NWC	NORMAL WEIGHT CONCRETE		
DL	DEAD LOAD						
DWG	DRAWING						

T&B	TOP AND BOTTOM
T/	TOP OF
THK	THICK
THRU	THROUGH
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WITH
W/O	WITHOUT
WP	WORKING POINT
WS	WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC

STEEL COLUMN/FOOTING TYPE INDICATOR

COL	SIZE STEEL COLUMN SIZE
BP-X	BASE PLATE MARK
F.X.X (-0'-0")	FOOTING MARK (T/FTG ELEVATION)
P-X (-0'-0")	PEDESTAL MARK (T/PEDESTAL ELEVATION)

FOUNDATION STEP INDICATOR

(-'x"-'x") T/FOOTING ELEVATION
(-'x"-'x") T/FOOTING ELEVATION

OPENING IN FLOOR OR ROOF

RECESS/DEPRESSION INDICATOR

STRUCTURAL STEEL CONNECTION AXIAL FORCE

(xxk)

SLOPE INDICATOR

Y
X

CONCRETE SLAB/METAL DECK SPAN INDICATOR

GRID DESIGNATIONS

X DENOTES FACE OF CMU WALL

X DENOTES CENTERLINE OF STEEL FRAMING

STRUCTURAL STEEL MOMENT CONNECTION

STRUCTURAL STEEL BEAM DESIGNATION

W8x10 (XX) RXX

BEAM SIZE
NUMBER OF STUDS UNIFORMLY SPACED ALONG BEAM
ULTIMATE (LRFD) FACTORED VERTICAL SHEAR REACTION, TYPICAL EACH END

STRUCTURAL STEEL BEAM SPLICE DESIGNATION

CL SPLICE

STRUCTURAL CONCRETE BEAM DESIGNATION

CB XXX PB XXX

CBX INDICATES CONVENTIONALLY REINFORCED CONCRETE BEAM MARK
BEAM WIDTH MAY VARY BASED UPON EDGE OF SLAB DIMENSION
PBX INDICATES POST-TENSIONED CONCRETE BEAM MARK, BEAM WIDTH MAY VERY BASED UPON EDGE OF SLAB DIMENSION

JERICHO design group
208 Pirkle Ferry Road, Suite C
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GEORGIA REGISTERED No. 36008734 STRUCTURAL ENGINEER HOLLY C JEYNES

georgia civil CIVIL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING

SHEAR STRUCTURAL

TOTAL ENGINEERS

Electrical Engineers

CITY OF COVINGTON ESTABLISHED 1822 INCORPORATED FIRE RESCUE GEORGIA FIRE DEPARTMENT

FIRE STATION #23

City of Covington

HIGHWAY 36
COVINGTON, GA 30014

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WIND LOADING DIAGRAM, LEGENDS, AND ABBREVIATIONS

Sheet No.
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