

ABBREVIATIONS

A.B.	ANCHOR BOLT	K	KIPS (1000#)
A.F.F.	ABOVE FINISHED FLOOR	KSI	KIPS PER SQUARE INCH
AL	ALUMINUM	KFS	KIPS PER SQUARE FOOT
ALT.	ALTERNATE	#	POUND
&	AND	LLH	LONG LEG HORIZONTAL
APPROX.	APPROXIMATE	LLV	LONG LEG VERTICAL
APPVD.	APPROVED	MAX.	MAXIMUM
@	AT	MEZZ	MEZZANINE
AVG.	AVERAGE	MFR.	MANUFACTURER
BLDG.	BUILDING	MIN.	MINIMUM
BOTT.	BOTTOM	MISC.	MISCELLANEOUS
C.L.	CENTERLINE	NS	NEAR SIDE
CL OR CLR	CLEAR OR CLEARANCE	N.T.S.	NOT TO SCALE
CONN.	CONNECTION	#	NUMBER OR REBAR SIZE
CMU	CONCRETE MASONRY UNIT	O.H.	OPPOSITE HAND
CONST.	CONSTRUCTION	O.C.	ON CENTER
CONT.	CONTINUOUS	P.A.F.	POWDER ACTUATED FASTENER
C.J.	CONSTRUCTION OR CONTROL JOINT	P.L.F.	POUNDS PER LINEAR FOOT
CONC.	CONCRETE	PCF	POUNDS PER CUBIC FOOT
COL.	COLUMN	PCI	POUNDS PER CUBIC INCH
CTR.	CENTER	PSF	POUNDS PER SQUARE FOOT
DIAG.	DIAGONAL	PSI	POUNDS PER SQUARE INCH
O OR DIAM.	DIAMETER	P.T.	POST TENSIONED
DIM.	DIMENSION	PROJ.	PROJECTION
DWG.	DRAWING	REV.	REVISION
DBA	DEFORMED BAR ANCHOR	REF.	REFERENCE
EA	EACH	REINF.	REINFORCING
E.E.	EACH END	REQ'D	REQUIRED
E.F.	EACH FACE	SIM.	SIMILAR
E.J.	EXPANSION JOINT	SCHED.	SCHEDULE
E.S.	EACH SIDE	SLH	SHORT LEG HORIZONTAL
E.W.	EACH WAY	SLV	SHORT LEG VERTICAL
ELAV.	ELEVATION	SPEC.	SPECIFICATION
ELEC.	ELECTRICAL	SQ.	SQUARE
EMBED	EMBEDMENT	SF	SQUARE FEET
= OR EQ.	EQUAL	S.S.	STAINLESS STEEL
EQUIP.	EQUIPMENT	STD.	STANDARD
EXIST.	EXISTING	STIFF.	STIFFENER
EXP.	EXPANSION	STL	STEEL
EXT.	EXTENDED	STRUCT.	STRUCTURAL
F.F.	FINISHED FLOOR	SYM.	SYMMETRICAL
FLR.	FLOOR	T.E.	THICKENED EDGE
FT.	FEET OR FOOT	THD	THREAD
F.S.	FAR SIDE	THK.	THICK
FTG.	FOOTING	TRD.	TREAD
FOUND.	FOUNDATION	TWALL	TOP OF WALL
Fy OR fy	YIELD STRENGTH	TEMP.	TEMPORARY
fc	28 DAY COMPRESSIVE STRENGTH	THRU	THROUGH
GA.	GAUGE OR GAGE	T.O.S.	TOP OF STEEL
GALV.	GALVANIZED	TYP.	TYPICAL
GEN.	GENERAL	U.N.O.	UNLESS NOTED OTHERWISE
HGT.	HEIGHT	W.C.J.	WALL CONTROL JOINT
HORIZ.	HORIZONTAL	WT.	WEIGHT
IN.	INCH OR INCHES	W/	WITH
I.J.	ISOLATION JOINT	W/O	WITHOUT
		WWF	WELDED WIRE FABRIC

LEGEND

ITEM	SYMBOL
CONCRETE	[Symbol]
GROUT	[Symbol]
EARTH	[Symbol]
CONCRETE BLOCK (CMU)	[Symbol]
SECTION INDICATOR	[Symbol]
DETAIL INDICATOR	[Symbol]
COLUMN TYPE	[Symbol]
FOOTING TYPE	[Symbol]
TOP OF FOOTING ELEVATION	[Symbol]
SPOT ELEVATION TOP OF CONCRETE	[Symbol]
STEP IN FTG. OR GRADE BM. TO CLG. PLUMB	[Symbol]
CENTERLINE BEAM SPLICE AND PLATE	[Symbol]
CENTERLINE NUMBER (PRECEDING) PLUS OR TENSION	[Symbol]
MINUS OR COMPRESSION POUNDS (FOLLOWING)	[Symbol]
STEP IN STRUCTURE OR DEPRESSED SLAB	[Symbol]
TOP OF STEEL ELEVATION	[Symbol]

WIND: 2015 INTERNATIONAL BUILDING CODE, SECTION 1609, V_{ult} = 120 MPH, V_{base} = 93 MPH, EXPOSURE: C, RISK CATEGORY III

COMPONENT AND CLADDING WIND PRESSURES - FLAT ROOF

COMPONENT LOCATION (ZONES)	POSITIVE PRESSURE (psf)				NEGATIVE PRESSURE (psf)			
	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF
ELSEWHERE - ZONE 1	16.0	16.0	16.0	16.0	-31.7	-30.9	-29.8	-29.0
WITHIN 8.5R. FROM HIP & RIDGES-ZONE 2	29.0	27.7	26.1	24.7	-53.2	-47.5	-40.0	-34.4
WITHIN 8.5R. FROM CORNERS-ZONE 3	29.0	27.7	26.1	24.7	-53.2	-47.5	-40.0	-34.4
AT OVERHANGS-ZONE 2					-45.7	-44.8	-43.8	-43.0
AT OVERHANGS WITHIN 8.5R. FROM CORNERS-ZONE 3					-45.7	-44.8	-43.8	-43.0
ELSEWHERE - ZONE 4	29.0	27.7	26.0	24.7	-31.7	-30.1	-28.7	-27.2
WITHIN 8.5R. FROM CORNERS-ZONE 5	29.0	27.7	26.0	24.7	-31.7	-30.1	-28.7	-27.2

NOTE: 1) Ae= EFFECTIVE AREA
2) PRESSURES ARE BASED ON WIND SPEED AND RISK CATEGORY NOTED ABOVE
3) PRESSURES ARE FOR "ENCLOSED" CONDITION WITH INTERNAL PRESSURE COEFFICIENT OF ± 0.18
4) PRESSURES CALCULATED WITH Kd=1.00

WIND: 2015 INTERNATIONAL BUILDING CODE, SECTION 1609, V_{ult} = 120 MPH, V_{base} = 93 MPH, EXPOSURE: C, RISK CATEGORY III

COMPONENT AND CLADDING WIND PRESSURES - SLOPED ROOF

COMPONENT LOCATION (ZONES)	POSITIVE PRESSURE (psf)				NEGATIVE PRESSURE (psf)			
	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF
ELSEWHERE - ZONE 1	19.2	17.6	15.3	13.6	-30.6	-29.6	-28.7	-27.7
WITHIN 8.5R. FROM HIP & RIDGES-ZONE 2	19.2	17.6	15.3	13.6	-53.2	-49.0	-43.3	-39.1
WITHIN 8.5R. FROM CORNERS-ZONE 3	19.2	17.6	15.3	13.6	-78.7	-73.5	-66.9	-61.7
AT OVERHANGS-ZONE 2					-67.4	-67.4	-67.4	-67.4
AT OVERHANGS WITHIN 8.5R. FROM CORNERS-ZONE 3					-109.8	-99.0	-86.7	-75.8
ELSEWHERE - ZONE 4	33.4	32.0	29.9	28.4	-36.2	-34.8	-32.7	-31.3
WITHIN 8.5R. FROM CORNERS-ZONE 5	33.4	32.0	29.9	28.4	-44.7	-41.9	-37.6	-34.8

NOTE: 1) Ae= EFFECTIVE AREA
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3) PRESSURES ARE FOR "ENCLOSED" CONDITION WITH INTERNAL PRESSURE COEFFICIENT OF ± 0.18
4) PRESSURES CALCULATED WITH Kd=1.00

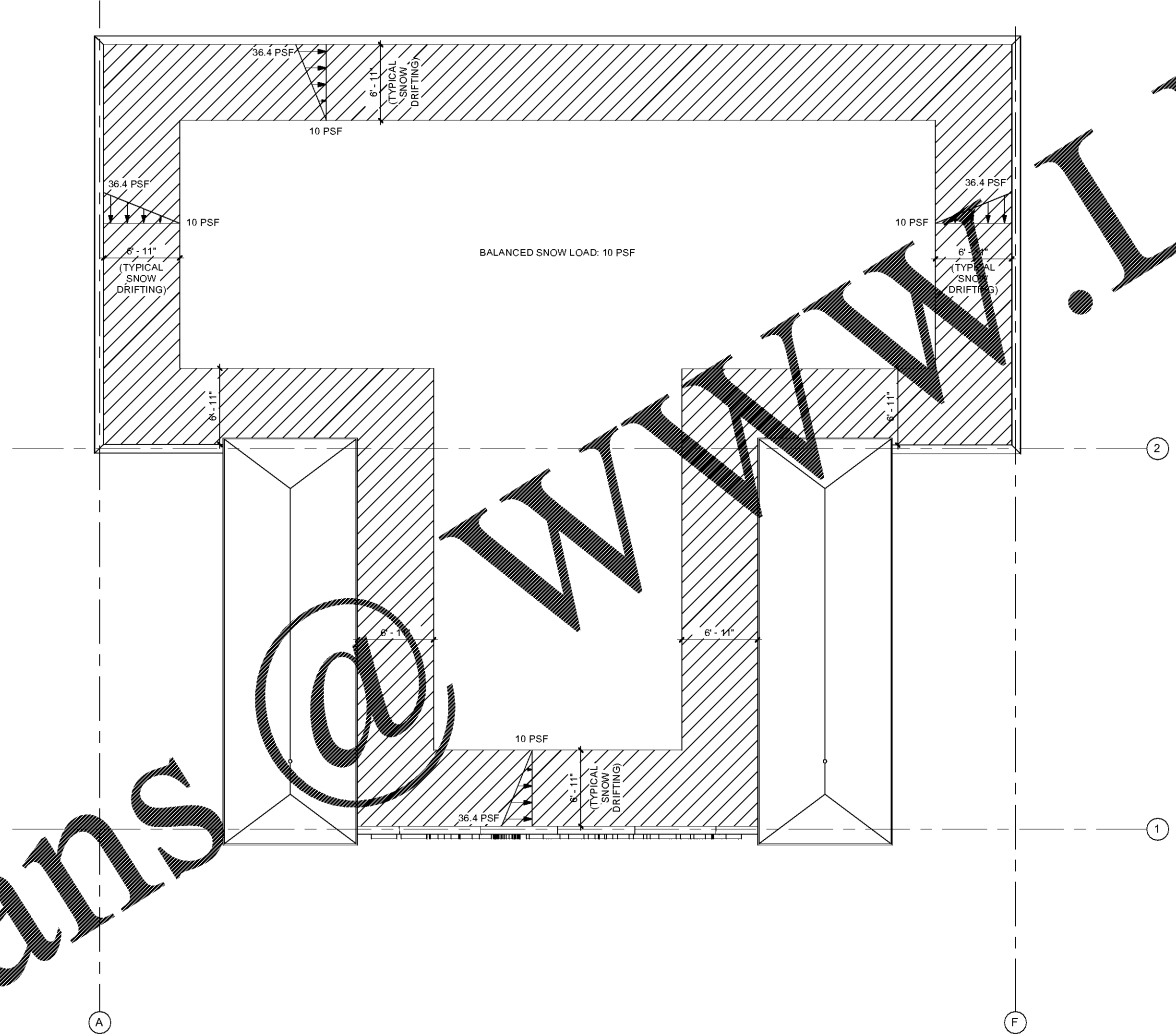
WIND: 2015 INTERNATIONAL BUILDING CODE, SECTION 1609, V_{ult} = 120 MPH, V_{base} = 93 MPH, EXPOSURE: C, RISK CATEGORY III

COMPONENT AND CLADDING WIND PRESSURES - CUPOLA

COMPONENT LOCATION (ZONES)	POSITIVE PRESSURE (psf)				NEGATIVE PRESSURE (psf)			
	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF	Ae=10SF	Ae=20SF	Ae=50SF	Ae=100SF
ELSEWHERE - ZONE 1	31.1	30.3	29.1	28.3	-34.0	-32.3	-30.0	-28.3
WITHIN 8.5R. FROM HIP & RIDGES-ZONE 2	31.1	30.3	29.1	28.3	-39.8	-38.1	-35.8	-34.0
WITHIN 8.5R. FROM CORNERS-ZONE 3	31.1	30.3	29.1	28.3	-39.8	-38.1	-35.8	-34.0
AT OVERHANGS-ZONE 2					-57.7	-55.9	-53.6	-51.9
AT OVERHANGS WITHIN 8.5R. FROM CORNERS-ZONE 3					-57.7	-55.9	-53.6	-51.9
ELSEWHERE - ZONE 4	34.0	32.5	30.5	28.9	-36.9	-35.4	-33.3	-31.8
WITHIN 8.5R. FROM CORNERS-ZONE 5	34.0	32.5	30.5	28.9	-45.6	-42.5	-38.4	-35.4

NOTE: 1) Ae= EFFECTIVE AREA
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3) PRESSURES ARE FOR "ENCLOSED" CONDITION WITH INTERNAL PRESSURE COEFFICIENT OF ± 0.18
4) PRESSURES CALCULATED WITH Kd=1.00

1 SNOW LOADING DIAGRAM
1/8" = 1'-0"



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PROJECT INFORMATION BLOCK

JOB #	17005
DATE:	08-27-18
DRAWN BY:	JC
CHECKED BY:	PG

DESIGN DATA

SHEET NUMBER
S1.1

Order Plans