Q. Reference: (http://www.powerinourhands.ca/pdf/MHI.pdf) *Manitoba Hydro International: Review of the Muskrat Falls and Labrador Island HVdc Link and the Isolated Island Options*, October 2012, page 44.

"MHI Reviewed Nalcor's design specification documents which outlined in detail the approach determining the tower design and geometry, span spacing, load capacity, and other detailed engineering criteria pertinent to the proposed HVdc transmission system."

Please provide a copy of the design specifications of all line components of the Labrador-Island HVdc Link and the proposed 230 kV line from Bay d'Espoir to Western Avalon, including tower loads, conductor sag-tensions and any other supporting documents.

A. [ ]

The tower loads for the third transmission line between Bay d'Espoir and Western Avalon terminal stations (TL267) were provided in NP-NLH-005 Attachment 1.

NP-NLH-018 Attachment 1 (Revision 1) provides the tower loads for the Labrador-Island Transmission Link. NP-NLH-018 Attachment 2 (Revision 1) provides the sag-tension charts for the conductors and OPGW for the Labrador-Island Transmission Link. NP-NLH-018 Attachment 3 (Revision 1) provides the sag-tension charts for the conductors, OPGW, and OHGW for TL267.

Tower type A1 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT														
								G			E1			E2			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC01 F1 MAX. WIND, NA+	-20	0.9	980	3530	0	0	0	3.8	7.4	0	10.9	15.9	0	10.9	15.9	0	29.2	25.7	0	29.2	25.7	0
LC02 F1 MAX. WIND, NA-	-20	0.9	-980	-3530	0	0	0	3.8	-6.3	0	10.9	-13.8	0	10.9	-13.8	0	29.2	-21.9	0	29.2	-21.9	0
LC03 F1 MAX. WIND 45°, BI+	-20	0.9	980	2495	2495	0	0	3.8	3.8	-0.2	10.9	8.2	-0.5	10.9	8.2	-0.5	29.2	13.6	-0.5	29.2	13.6	-0.5
LC04 F1 MAX. WIND 45°, BI-	-20	0.9	-980	-2495	-2495	0	0	3.8	-3	-0.2	10.9	-6.7	-0.5	10.9	-6.7	-0.5	29.2	-10.6	-0.5	29.2	-10.6	-0.5
LC05 F1 MAX. WIND, L, BI+	-20	0.9	980	0	3530	0	0	3.8	0.4	0	10.9	0.6	0	10.9	0.6	0	29.2	1.4	0	29.2	1.4	0
LC06 F1 MAX. WIND, L, BI-	-20	0.9	-980	0	-3530	0	0	3.8	0.4	0	10.9	0.6	0	10.9	0.6	0	29.2	1.4	0	29.2	1.4	0
LC07 F1 MAX. ICE	-5	0.9	0	0	0	50	8828	45.4	1.7	0	64.9	2.4	0	64.9	2.4	0	98.1	3.9	0	98.1	3.9	0
LC08 F1 WIND + ICE, NA+	-5	0.9	305	610	0	25	8828	16.5	10.4	0	29.8	12.9	0	29.8	12.9	0	55.6	16.2	0	55.6	16.2	0
LC09 F1 WIND + ICE, NA-	-5	0.9	-305	-610	0	25	8828	16.5	-8.5	0	29.8	-9.9	0	29.8	-9.9	0	55.6	-11.1	0	55.6	-11.1	0
LC10 F1 TD G + E1 + E2 + P1 + P2 NA+	-30	0.5	45	165	0	0	0	15.1	1.4	1.3	26.7	2.7	2.4	26.7	2.7	2.4	52.5	5.5	5	52.5	5.5	5
LC11 F1 TD G + E1 + P1 NA+	-30	0.5	45	165	0	0	0	15.1	1.4	1.3	26.7	2.7	2.4	0	0	0	52.5	5.5	5	0	0	0
LC12 F1 TD G + E2 + P2 NA+	-30	0.5	45	165	0	0	0	15.1	1.4	1.3	0	0	0	26.7	2.7	2.4	0	0	0	52.5	5.5	5
LC13 F1 MAINTENANCE, NA+	-30	0.5	45	165	0	0	0	7.8	0.7	0	14.9	1.4	0	14.9	1.4	0	33.2	2.7	0	33.2	2.7	0
LC14 F1 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	0	7.8	0.1	0	14.9	0.1	0	14.9	0.1	0	33.2	0.6	0	33.2	0.6	0
LC15 F1 BR G D	0	1	0	0	0	0	0	1.9	0.2	27.6	10.9	0.6	0	10.9	0.6	0	29.2	1.3	0	29.2	1.3	0
LC16 F1 BR E1 D	0	1	0	0	0	0	0	3.8	0.3	0	5.7	0.4	51.4	10.9	0.6	0	29.2	1.3	0	29.2	1.3	0
LC17 F1 BR E2 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	5.7	0.4	51.4	29.2	1.3	0	29.2	1.3	0
LC18 F1 BR P1 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.6	0	16.2	1	111.5	29.2	1.3	0
LC19 F1 BR P2 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.6	0	29.2	1.3	0	16.2	1	111.5
LC20 F1 BR G + E1 D	0	1	0	0	0	0	0	1.9	0.2	18.4	5.7	0.4	51.4	10.9	0.6	0	29.2	1.3	0	29.2	1.3	0
LC21 F1 BR G + E2 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.9	0.6	0	5.7	0.4	51.4	29.2	1.3	0	29.2	1.3	0
LC22 F1 BR G + P1 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.9	0.6	0	10.9	0.6	0	16.2	1	111.5	29.2	1.3	0
LC23 F1 BR G + P2 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.9	0.6	0	10.9	0.6	0	29.2	1.3	0	16.2	1	111.5
LC24 F1 BR E1 + P1 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.4	24	10.9	0.6	0	16.2	1	111.5	29.2	1.3	0
LC25 F1 BR E1 + P2 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.4	24	29.2	1.3	0	16.2	1	111.5
LC26 F2 BR P1 + P2 D	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.6	0	16.2	0.6	74.3	16.2	1	111.5
LC27 F2 BR P1 D + P2	0	1	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.6	0	16.2	1	111.5	16.2	0.6	74.3
LC28 F1 UBL G	-5	0.9	0	0	0	50	8828	35.7	1.4	28.3	64.9	2.4	0	64.9	2.4	0	98.1	3.9	0	98.1	3.9	0
LC29 F1 UBL E1	-5	0.9	0	0	0	50	8828	45.4	1.7	0	53.4	2.1	31.8	64.9	2.4	0	98.1	3.9	0	98.1	3.9	0
LC30 F1 UBL E2	-5	0.9	0	0	0	50	8828	45.4	1.7	0	64.9	2.4	0	53.4	2.1	31.8	98.1	3.9	0	98.1	3.9	0
LC31 F1 UBL P1	-5	0.9	0	0	0	50	8828	45.4	1.7	0	64.9	2.4	0	64.9	2.4	0	84.4	3.5	51	98.1	3.9	0
LC32 F1 UBL P2	-5	0.9	0	0	0	50	8828	45.4	1.7	0	64.9	2.4	0	64.9	2.4	0	98.1	3.9	0	84.4	3.5	51
LC33 F1 EDT	0	0.9	0	0	0	0	0	3.8	0.3	0	10.9	0.6	0	10.9	0.6	0	29.2	1.3	0	29.2	1.3	0
LC34 F1 COLD	-30	0.9	0	0	0	0	0	3.8	0.4	0	10.9	0.7	0	10.9	0.7	0	29.2	1.4	0	29.2	1.4	0
LC35 F3 MAX. WIND, NA+	-20	0.9	1290	4650	0	0	0	3.7	9.4	0	10.5	20.3	0	10.5	20.3	0	28.3	32.7	0	28.3	32.7	0
LC36 F3 MAX. WIND, NA-	-20	0.9	-1290	-4650	0	0	0	3.7	-8.1	0	10.5	-17.8	0	10.5	-17.8	0	28.3	-28.4	0	28.3	-28.4	0
LC37 F3 MAX. WIND 45°, BI+	-20	0.9	1290	3284	3284	0	0	3.7	4.8	-0.3	10.5	10.5	-0.7	10.5	10.5	-0.7	28.3	17.1	-0.8	28.3	17.1	-0.8
LC38 F3 MAX. WIND 45°, BI-	-20	0.9	-1290	-3284	-3284	0	0	3.7	-3.9	-0.3	10.5	-8.7	-0.7	10.5	-8.7	-0.7	28.3	-13.9	-0.8	28.3	-13.9	-0.8
LC39 F3 MAX. WIND, L, BI+	-20	0.9	1290	0	4650	0	0	3.7	0.4	0	10.5	0.7	0	10.5	0.7	0	28.3	1.4	0	28.3	1.4	0
LC40 F3 MAX. WIND, L, BI-	-20	0.9	-1290	0	-4650	0	0	3.7	0.4	0	10.5	0.7	0	10.5	0.7	0	28.3	1.4	0	28.3	1.4	0
LC41 F3 MAX. ICE	-5	0.9	0	0	0	50	8828	43.9	1.7	0	62.9	2.4	0	62.9	2.4	0	95	3.9	0	95	3.9	0
LC42 F3 WIND + ICE, NA+	-5	0.9	305	610	0	25	8828	16	10.2	0	28.9	12.6	0	28.9	12.6	0	53.9	15.8	0	53.9	15.8	0
LC43 F3 WIND + ICE, NA-	-5	0.9	-305	-610	0	25	8828	16	-8.2	0	28.9	-9.6	0	28.9	-9.6	0	53.9	-10.8	0	53.9	-10.8	0
LC44 F3 TD G + E1 + E2 + P1 + P2 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.3	27.2	2.8	2.4	27.2	2.8	2.4	52.1	5.5	5	52.1	5.5	5
LC45 F3 TD G + E1 + P1 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.3	27.2	2.8	2.4	0	0	0	52.1	5.5	5	0	0	0
LC46 F3 TD G + E2 + P2 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.3	0	0	0	27.2	2.8	2.4	0	0	0	52.1	5.5	5
LC47 F3 MAINTENANCE, NA+	-30	0.5	45	165	0	0	0	7.7	0.7	0	14.5	1.4	0	14.5	1.4	0	32.3	2.7	0	32.3	2.7	0
LC48 F3 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	0	7.7	0.2	0	14.5	0.2	0	14.5	0.2	0	32.3	0.6	0	32.3	0.6	0
LC49 F3 BR G D	0	1	0	0	0	0	0	1.9	0.2	27.6	10.5	0.6	0	10.5	0.6	0	28.3	1.3	0	28.3	1.3	0
LC50 F3 BR E1 D	0	1	0	0	0	0	0	3.7	0.3	0	5.5	0.5	52.7	10.5	0.6	0	28.3	1.3	0	28.3	1.3	0
LC51 F3 BR E2 D	0	1	0	0	0	0	0	3.7	0.3	0	10.5	0.6	0	5.5	0.5	52.7	28.3	1.3	0	28.3	1.3	0
LC52 F3 BR P1 D	0	1	0	0	0	0	0	3.7	0.3	0	10.5	0.6	0	10.5	0.6	0	15.8	1	110.6	28.3	1.3	0
LC53 F3 BR P2 D	0	1	0	0	0	0	0	3.7	0.3	0	10.5	0.6	0	10.5	0.6	0	28.3	1.3	0	15.8	1	110.6
LC54 F3 BR G + E1 D	0	1	0	0	0	0	0	1.9	0.2	18.4	5.5	0.5	52.7	10.5	0.6	0	28.3	1.3	0	28.3	1.3	0
LC55 F3 BR G + E2 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.5	0.6	0	5.5	0.5	52.7	28.3	1.3	0	28.3	1.3	0
LC56 F3 BR G + P1 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.5	0.6	0	10.5	0.6	0	15.8	1	110.6	28.3	1.3	0
LC57 F3 BR G + P2 D	0	1	0	0	0	0	0	1.9	0.2	18.4	10.5	0.6	0	10.5	0.6	0	28.3	1.3	0	15.8	1	110.6
LC58 F3 BR E1 + P1 D	0	1	0	0	0	0	0	3.7	0.3	0	10.5	0.4	24.6	10.5	0.6	0	15.8	1	110.6	28.3	1.3	0
LC59 F3 BR E2 + P2 D	0	1	0	0	0	0	0	3.7	0.3	0	10.5	0.6	0	10.5	0.4	24.6	28.3	1.3	0	15.8	1	110.6
LC60 F3 UBL G	-5	0.9	0	0	0	50	8828	34.6	1.4	27.8	62.9	2.4	0	62.9	2.4	0	95	3.9	0	95	3.9	0
LC61 F3 UBL E1	-5	0.9	0	0	0	50	8828	43.9	1.7	0	51.7	2.1	31.1	62.9	2.4	0	95	3.9	0	95	3.9	0

LC62 F3 UBL E2	-5	0.9	0	0	0	50	8828	43.9	1.7	0	62.9	2.4	0	51.7	2.1	31.1	95	3.9	0	95	3.9	0
LC63 F3 UBL P1	-5	0.9	0	0	0	50	8828	43.9	1.7	0	62.9	2.4	0	62.9	2.4	0	81.7	3.4	50.5	95	3.9	0
LC64 F3 UBL P2	-5	0.9	0	0	0	50	8828	43.9	1.7	0	62.9	2.4	0	62.9	2.4	0	95	3.9	0	81.7	3.4	50.5
LC65 F3 EDT	0	0.9	0	0	0	0	0	3.7	0.3	0	10.5	0.6	0	10.5	0.6	0	28.3	1.3	0	28.3	1.3	0
LC66 F3 COLD	-30	0.9	0	0	0	0	0	3.7	0.4	0	10.5	0.7	0	10.5	0.7	0	28.3	1.4	0	28.3	1.4	0
LC67 F5 MAX. WIND, NA+	-20	0.9	1290	4650	0	0	0	4.4	11.1	0	0	0	0	0	0	0	33.4	38.2	0	33.4	38.2	0
LC68 F5 MAX. WIND, NA-	-20	0.9	-1290	-4650	0	0	0	4.4	-9.7	0	0	0	0	0	0	0	33.4	-33.9	0	33.4	-33.9	0
LC69 F5 MAX. WIND 45°, BI+	-20	0.9	1290	3284	3284	0	0	4.4	5.7	-0.5	0	0	0	0	0	0	33.4	19.9	-0.9	33.4	19.9	-0.9
LC70 F5 MAX. WIND 45°, BI-	-20	0.9	-1290	-3284	-3284	0	0	4.4	-4.7	-0.5	0	0	0	0	0	0	33.4	-16.7	-0.9	33.4	-16.7	-0.9
LC71 F5 MAX. WIND, L, BI+	-20	0.9	1290	0	4650	0	0	4.4	0.3	0	0	0	0	0	0	0	33.4	1.4	0	33.4	1.4	0
LC72 F5 MAX. WIND, L, BI-	-20	0.9	-1290	0	-4650	0	0	4.4	0.3	0	0	0	0	0	0	0	33.4	1.4	0	33.4	1.4	0
LC73 F5 MAX. ICE	-5	0.9	0	0	0	50	8828	52.6	1.8	0	0	0	0	0	0	0	113.4	4.1	0	113.4	4.1	0
LC74 F5 WIND + ICE, NA+	-5	0.9	305	610	0	25	8828	19.1	12	0	0	0	0	0	0	0	64	18.4	0	64	18.4	0
LC75 F5 WIND + ICE, NA-	-5	0.9	-305	-610	0	25	8828	19.1	-9.9	0	0	0	0	0	0	0	64	-13.2	0	64	-13.2	0
LC76 F5 TD G + P1 + P2 NA+	0	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	53.2	5.4	4.8	53.2	5.4	4.8
LC77 F5 TD G + P1 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	53.2	5.4	4.8	0	0	0
LC78 F5 TD G + P2 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	0	0	0	53.2	5.4	4.8
LC79 F5 MAINTENANCE NA+	-30	0.5	45	165	0	0	0	8.4	0.7	0	0	0	0	0	0	0	37.4	2.8	0	37.4	2.8	0
LC80 F5 MAINTENANCE NA-	-30	0.5	-45	-165	0	0	0	8.4	0.1	0	0	0	0	0	0	0	37.4	0.3	0	37.4	0.3	0
LC81 F5 BR G D,	0	1	0	0	0	0	0	2.2	0.2	27.6	0	0	0	0	0	0	33.4	1.3	0	33.4	1.3	0
LC82 F5 BR P1 D,	0	1	0	0	0	0	0	4.4	0.3	0	0	0	0	0	0	0	18.3	1	112.2	33.4	1.3	0
LC83 F5 BR P2 D	0	1	0	0	0	0	0	4.4	0.3	0	0	0	0	0	0	0	33.4	1.3	0	18.3	1	112.2
LC84 F5 UBL G	-5	0.9	0	0	0	50	8828	41.5	1.6	31.3	0	0	0	0	0	0	113.4	4.1	0	113.4	4.1	0
LC85 F5 UBL P1	-5	0.9	0	0	0	50	8828	52.6	1.8	0	0	0	0	0	0	0	97.4	3.6	53.9	113.4	4.1	0
LC86 F5 UBL P2	-5	0.9	0	0	0	50	8828	52.6	1.8	0	0	0	0	0	0	0	113.4	4.1	0	97.4	3.6	53.9
LC87 F5 EDT	0	0.9	0	0	0	0	0	4.4	0.3	0	0	0	0	0	0	0	33.4	1.3	0	33.4	1.3	0
LC88 F5 COLD	-15	0.9	0	0	0	0	0	4.4	0.4	0	0	0	0	0	0	0	33.4	1.5	0	33.4	1.5	0
LC89 F4 MAX. WIND, NA+	-20	0.9	980	3530	0	0	0	4.5	8.7	0	0	0	0	0	0	0	35	29.9	0	35	29.9	0
LC90 F4 MAX. WIND, NA-	-20	0.9	-980	-3530	0	0	0	4.5	-7.5	0	0	0	0	0	0	0	35	-26.2	0	35	-26.2	0
LC91 F4 MAX. WIND 45°, BI+	-20	0.9	980	2495	2495	0	0	4.5	4.5	-0.3	0	0	0	0	0	0	35	15.8	-0.6	35	15.8	-0.6
LC92 F4 MAX. WIND 45°, BI-	-20	0.9	-980	-2495	-2495	0	0	4.5	-3.6	-0.3	0	0	0	0	0	0	35	-12.7	-0.6	35	-12.7	-0.6
LC93 F4 MAX. WIND, L, BI+	-20	0.9	980	0	3530	0	0	4.5	0.3	0	0	0	0	0	0	0	35	1.4	0	35	1.4	0
LC94 F4 MAX. WIND, L, BI-	-20	0.9	-980	0	-3530	0	0	4.5	0.3	0	0	0	0	0	0	0	35	1.4	0	35	1.4	0
LC95 F4 MAX. ICE, NA+	-5	0.9	0	0	0	50	8828	54.1	1.8	0	0	0	0	0	0	0	117.3	4.1	0	117.3	4.1	0
LC96 F4 WIND + ICE, NA+	-5	0.9	305	610	0	25	8828	19.7	12.2	0	0	0	0	0	0	0	66.5	18.7	0	66.5	18.7	0
LC97 F4 WIND + ICE, NA-	-5	0.9	-305	-610	0	25	8828	19.7	-10.1	0	0	0	0	0	0	0	66.5	-13.5	0	66.5	-13.5	0
LC98 F4 TD G + P1 + P2 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	53.4	5.4	4.8	53.4	5.4	4.8
LC99 F4 TD G + P1, NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	53.4	5.4	4.8	0	0	0
LC100 F4 TD G + P2, NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	0	0	0	0	0	0	53.4	5.4	4.8
LC101 F4 MAINTENANCE, NA+	-30	0.5	45	165	0	0	0	8.5	0.7	0	0	0	0	0	0	0	39	2.8	0	39	2.8	0
LC102 F4 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	0	8.5	0.1	0	0	0	0	0	0	0	39	0.3	0	39	0.3	0
LC103 F4 BR G D, NA+	0	1	0	0	0	0	0	2.3	0.2	27.6	0	0	0	0	0	0	35	1.3	0	35	1.3	0
LC104 F4 BR P1 D, NA+	0	1	0	0	0	0	0	4.5	0.3	0	0	0	0	0	0	0	19.6	1	112.1	35	1.3	0
LC105 F4 BR P2 D, NA+	0	1	0	0	0	0	0	4.5	0.3	0	0	0	0	0	0	0	35	1.3	0	19.6	1	112.1
LC106 F4 UBL G, NA+	-5	0.9	0	0	0	50	8828	42.6	1.6	31.8	0	0	0	0	0	0	117.3	4.1	0	117.3	4.1	0
LC107 F4 UBL P1, NA+	-5	0.9	0	0	0	50	8828	54.1	1.8	0	0	0	0	0	0	0	100.9	3.6	54.4	117.3	4.1	0
LC108 F4 UBL P2, NA+	-5	0.9	0	0	0	50	8828	54.1	1.8	0	0	0	0	0	0	0	117.3	4.1	0	100.9	3.6	54.4
LC109 F4 EDT, NA+	0	0.9	0	0	0	0	0	4.5	0.3	0	0	0	0	0	0	0	35	1.3	0	35	1.3	0
LC110 F4 COLD, NA+	-15	0.9	0	0	0	0	0	4.5	0.4	0	0	0	0	0	0	0	35	1.5	0	35	1.5	0

Tower type A2 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT															
								G			E1			E2			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC01 F2 MAX. WIND, NA+	-20	0.9	2070	7460	0	0	4903	4.2	12.2	0	8	20.9	0	8	20.9	0	18.5	30.6	0	18.5	30.6	0
LC02 F2 MAX. WIND, NA-	-20	0.9	-2070	-7460	0	0	4903	4.2	-9.9	0	8	-18.6	0	8	-18.6	0	18.5	-26	0	18.5	-26	0
LC03 F2 MAX. WIND 45°, BI+	-20	0.9	2070	5270	5270	0	4903	4.2	6.4	-0.5	8	10.7	-0.8	8	10.7	-0.8	18.5	16.2	-1.3	18.5	16.2	-1.3
LC04 F2 MAX. WIND 45°, BI-	-20	0.9	-2070	-5270	-5270	0	4903	4.2	-4.6	-0.5	8	-9.2	-0.8	8	-9.2	-0.8	18.5	-13	-1.3	18.5	-13	-1.3
LC05 F2 MAX. WIND, L, BI+	-20	0.9	2070	0	7460	0	4903	4.2	0.7	0	8	0.4	0	8	0.4	0	18.5	1.2	0	18.5	1.2	0
LC06 F2 MAX. WIND, L, BI-	-20	0.9	-2070	0	-7460	0	4903	4.2	0.7	0	8	0.4	0	8	0.4	0	18.5	1.2	0	18.5	1.2	0
LC07 F2 MAX. ICE	-5	0.9	0	0	0	135	4903	85	3.4	0	98.5	3.3	0	98.5	3.3	0	118.3	4.8	0	118.3	4.8	0
LC08 F2 WIND + ICE, NA+	-5	0.9	970	1940	0	70	4903	28.6	42.7	0	37.4	43.8	0	37.4	43.8	0	52.7	46.7	0	52.7	46.7	0
LC09 F2 WIND + ICE, NA-	-5	0.9	-970	-1940	0	70	4903	28.6	-37.5	0	37.4	-39.2	0	37.4	-39.2	0	52.7	-39.5	0	52.7	-39.5	0
LC10 F2 TD G + E1 + E2 + P1 + P2, NA+	-30	0.5	45	165	0	0	4903	4.2	1.1	0	8	0.9	0	8	0.9	0	18.5	2.3	0	18.5	2.3	0
LC11 F2 TD G + E1 + P1, NA-	-30	0.5	-45	-165	0	0	4903	4.2	0.7	0	8	0.1	0	8	0.1	0	18.5	1	0	18.5	1	0
LC12 F2 TD G + E2 + P2, NA+	-30	0.5	45	165	0	0	4903	4.2	1.1	0	8	0.9	0	8	0.9	0	18.5	2.3	0	18.5	2.3	0
LC13 F2 MAINTENANCE, NA+	-30	0.5	45	165	0	0	4903	8.2	1.2	0	12	0.9	0	12	0.9	0	22.5	2.3	0	22.5	2.3	0
LC14 F2 MAINTENANCE, NA+	-30	0.5	45	165	0	0	4903	8.2	1.2	0	12	0.9	0	12	0.9	0	22.5	2.3	0	22.5	2.3	0
LC15 F2 BR G D	0	1	0	0	0	0	4903	2.1	0.5	54	8	0.4	0	8	0.4	0	18.5	1	0	18.5	1	0
LC16 F2 BR E1 D	0	1	0	0	0	0	4903	4.2	0.6	0	4.2	0.3	35.6	8	0.4	0	18.5	1	0	18.5	1	0
LC17 F2 BR E2 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.4	0	4.2	0.3	35.6	18.5	1	0	18.5	1	0
LC18 F2 BR P1 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.4	0	8	0.4	0	11.5	0.8	89.8	18.5	1	0
LC19 F2 BR P2 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.4	0	8	0.4	0	18.5	1	0	11.5	0.8	89.8
LC20 F2 BR G + E1 D	0	1	0	0	0	0	4903	2.1	0.3	36	4.2	0.3	35.6	8	0.4	0	18.5	1	0	18.5	1	0
LC21 F2 BR G + E2 D	0	1	0	0	0	0	4903	2.1	0.3	36	8	0.4	0	4.2	0.3	35.6	18.5	1	0	18.5	1	0
LC22 F2 BR G + P1 D	0	1	0	0	0	0	4903	2.1	0.3	36	8	0.4	0	8	0.4	0	11.5	0.8	89.8	18.5	1	0
LC23 F2 BR G + P2 D	0	1	0	0	0	0	4903	2.1	0.3	36	8	0.4	0	8	0.4	0	18.5	1	0	11.5	0.8	89.8
LC24 F2 BR E1 + P1 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.3	16.6	8	0.4	0	11.5	0.8	89.8	18.5	1	0
LC25 F2 BR E1 + P2 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.3	16.6	8	0.4	0	18.5	1	0	11.5	0.8	89.8
LC26 F2 BR P1 + P2 D	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.4	0	8	0.4	0	18.5	0.8	89.2	11.5	0.5	59.9
LC27 F2 BR P1 D + P2	0	1	0	0	0	0	4903	4.2	0.6	0	8	0.4	0	8	0.4	0	11.5	0.5	59.9	18.5	0.8	89.2
LC28 F2 UBL G	-5	0.9	0	0	0	0	4903	65.5	2.9	59.1	98.5	3.3	0	98.5	3.3	0	118.3	4.8	0	118.3	4.8	0
LC29 F2 UBL E1	-5	0.9	0	0	0	135	4903	85	3.4	0	77.6	2.8	57.2	98.5	3.3	0	118.3	4.8	0	118.3	4.8	0
LC30 F2 UBL E2	-5	0.9	0	0	0	135	4903	85	3.4	0	98.5	3.3	0	77.6	2.8	57.2	118.3	4.8	0	118.3	4.8	0
LC31 F2 UBL P1	-5	0.9	0	0	0	135	4903	85	3.4	0	98.5	3.3	0	98.5	3.3	0	95.9	4.2	65.8	118.3	4.8	0
LC32 F2 UBL P2	-5	0.9	0	0	0	135	4903	85	3.4	0	98.5	3.3	0	98.5	3.3	0	118.3	4.8	0	95.9	4.2	65.8
LC33 F2 EDT	0	0.9	0	0	0	135	4903	4.2	0.6	0	8	0.4	0	8	0.4	0	18.5	1	0	18.5	1	0
LC34 F2 COLD	-30	0.9	0	0	0	0	4903	4.2	0.9	0	8	0.5	0	8	0.5	0	18.5	1.7	0	18.5	1.7	0
LC01 F11 MAX. WIND, NA+	-20	0.9	2070	7452	0	0	4903	5	18.8	0	9.5	32.8	0	9.5	32.8	0	21.3	46.1	0	21.3	46.1	0
LC02 F11 MAX. WIND, NA-	-20	0.9	-2070	-7452	0	0	4903	5	-16.4	0	9.5	-29.6	0	9.5	-29.6	0	21.3	-41.3	0	21.3	-41.3	0
LC03 F11 MAX. WIND 45°, BI+	-20	0.9	2070	5270	5270	0	4903	5	9.7	-0.5	9.5	16.8	-1	9.5	16.8	-1	21.3	24	-1.4	21.3	24	-1.4
LC04 F11 MAX. WIND 45°, BI-	-20	0.9	-2070	-5270	-5270	0	4903	5	-7.9	-0.5	9.5	-14.6	-1	9.5	-14.6	-1	21.3	-20.7	-1.4	21.3	-20.7	-1.4
LC05 F11 MAX. WIND, L, BI+	-20	0.9	2070	0	7452	0	4903	5	0.7	0	9.5	0.7	0	9.5	0.7	0	21.3	1.2	0	21.3	1.2	0
LC06 F11 MAX. WIND, L, BI-	-20	0.9	-2070	0	-7452	0	4903	5	0.7	0	9.5	0.7	0	9.5	0.7	0	21.3	1.2	0	21.3	1.2	0
LC07 F11 MAX. ICE	-5	0.9	0	0	0	115	4903	77	3.1	0	91.4	3.3	0	91.4	3.3	0	112.6	4.5	0	112.6	4.5	0
LC08 F11 WIND + ICE, NA+	-5	0.9	970	1940	0	60	4903	27.3	58.6	0	37	61.3	0	37	61.3	0	53.7	64.9	0	53.7	64.9	0
LC09 F11 WIND + ICE, NA-	-5	0.9	-970	-1940	0	60	4903	27.3	-53.5	0	37	-56.2	0	37	-56.2	0	53.7	-57.8	0	53.7	-57.8	0
LC10 F11 TD G + E1 + E2 + P1 + P2, NA+	-30	0.5	45	165	0	0	4903	5	1.2	0	9.5	1.5	0	9.5	1.5	0	21.3	2.6	0	21.3	2.6	0
LC11 F11 TD G + E1 + P1, NA+	-30	0.5	45	165	0	0	4903	5	1.2	0	9.5	1.5	0	9.5	1.5	0	21.3	2.6	0	21.3	2.6	0
LC12 F11 TD G + E2 + P2, NA+	-30	0.5	45	165	0	0	4903	5	1.2	0	9.5	1.5	0	9.5	1.5	0	21.3	2.6	0	21.3	2.6	0
LC13 F11 MAINTENANCE, NA+	-30	0.5	45	165	0	0	4903	9	1.3	0	13.5	1.6	0	13.5	1.6	0	25.3	2.6	0	25.3	2.6	0
LC14 F11 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	4903	9	0.5	0	13.5	0.2	0	13.5	0.2	0	25.3	0.7	0	25.3	0.7	0
LC15 F11 BR G D	0	1	0	0	0	0	4903	2.5	0.5	54	9.5	0.6	0	9.5	0.6	0	21.3	1.1	0	21.3	1.1	0
LC16 F11 BR E1 D	0	1	0	0	0	0	4903	5	0.6	0	5	0.5	54.4	9.5	0.6	0	21.3	1.1	0	21.3	1.1	0
LC17 F11 BR E2 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	5	0.5	54.4	21.3	1.1	0	21.3	1.1	0
LC18 F11 BR P1 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	9.5	0.6	0	12.9	0.8	94.8	21.3	1.1	0
LC19 F11 BR P2 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	9.5	0.6	0	21.3	1.1	0	12.9	0.8	94.8
LC20 F11 BR G + E1 D	0	1	0	0	0	0	4903	2.5	0.3	36	5	0.5	54.4	9.5	0.6	0	21.3	1.1	0	21.3	1.1	0
LC21 F11 BR G + E2 D	0	1	0	0	0	0	4903	2.5	0.3	36	9.5	0.6	0	5	0.5	54.4	21.3	1.1	0	21.3	1.1	0
LC22 F11 BR G + E1 + P1 D	0	1	0	0	0	0	4903	2.5	0.3	36	9.5	0.6	0	9.5	0.6	0	12.9	0.8	94.8	21.3	1.1	0
LC23 F11 BR G + P2 D	0	1	0	0	0	0	4903	2.5	0.3	36	9.5	0.6	0	9.5	0.6	0	21.3	1.1	0	12.9	0.8	94.8
LC24 F11 BR E1 + P1 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.4	25.4	9.5	0.6	0	12.9	0.8	94.8	21.3	1.1	0
LC25 F11 BR E1 + P2 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.4	25.4	9.5	0.6	0	21.3	1.1	0	12.9	0.8	94.8
LC26 F11 BR P1 + P2 D	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	9.5	0.6	0	21.3	0.7	44.3	12.9	0.8	94.8
LC27 F11 BR P1 D + P2	0	1	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	9.5	0.6	0	12.9	0.8	94.8	21.3	0.7	44.3

LC28 F11 UBL G	-5	0.9	0	0	0	115	4903	59.8	2.7	52.6	91.4	3.3	0	91.4	3.3	0	112.6	4.5	0	112.6	4.5	0
LC29 F11 UBL E1	-5	0.9	0	0	0	115	4903	77	3.1	0	72.7	2.9	49.3	91.4	3.3	0	112.6	4.5	0	112.6	4.5	0
LC30 F11 UBL E2	-5	0.9	0	0	0	115	4903	77	3.1	0	91.4	3.3	0	72.7	2.9	49.3	112.6	4.5	0	112.6	4.5	0
LC31 F11 UBL P1	-5	0.9	0	0	0	115	4903	77	3.1	0	91.4	3.3	0	91.4	3.3	0	92.5	4	61.2	112.6	4.5	0
LC32 F11 UBL P2	-5	0.9	0	0	0	115	4903	77	3.1	0	91.4	3.3	0	91.4	3.3	0	112.6	4.5	0	92.5	4	61.2
LC33 F11 EDT	0	0.9	0	0	0	0	4903	5	0.6	0	9.5	0.6	0	9.5	0.6	0	21.3	1.1	0	21.3	1.1	0
LC34 F11 COLD	-30	0.9	0	0	0	0	4903	5	0.9	0	9.5	0.9	0	9.5	0.9	0	21.3	1.7	0	21.3	1.7	0
LC35 F12 MAX. WIND	-20	0.9	2450	8820	0	0	4903	5.8	19.8	0	0	0	0	0	0	0	25.2	49.6	0	25.2	49.6	0
LC36 F12 MAX. WIND, NA-	-20	0.9	-2450	-8820	0	0	4903	5.8	-17	0	0	0	0	0	0	0	25.2	-43.8	0	25.2	-43.8	0
LC37 F12 MAX. WIND 45°, BI+	-20	0.9	2450	6235	6235	0	4903	5.8	10.2	-0.8	0	0	0	0	0	0	25.2	26	-1.9	25.2	26	-1.9
LC38 F12 MAX. WIND 45°, BI-	-20	0.9	-2450	-6235	-6235	0	4903	5.8	-8.2	-0.8	0	0	0	0	0	0	25.2	-22.1	-1.9	25.2	-22.1	-1.9
LC39 F12 MAX. WIND, L, BI+	-20	0.9	2450	0	8820	0	4903	5.8	0.7	0	0	0	0	0	0	0	25.2	1.3	0	25.2	1.3	0
LC40 F12 MAX. WIND, L, BI-	-20	0.9	-2450	0	-8820	0	4903	5.8	0.7	0	0	0	0	0	0	0	25.2	1.3	0	25.2	1.3	0
LC41 F12 MAX. ICE	-5	0.9	0	0	0	115	4903	89.9	3.5	0	0	0	0	0	0	0	131.8	4.9	0	131.8	4.9	0
LC42 F12 WIND + ICE	-5	0.9	1135	2270	0	60	4903	31.9	60.9	0	0	0	0	0	0	0	63	67.9	0	63	67.9	0
LC43 F12 WIND + ICE, NA-	-5	0.9	-1135	-2270	0	60	4903	31.9	-54.8	0	0	0	0	0	0	0	63	-59.8	0	63	-59.8	0
LC44 F12 TD G + P1 + P2	-30	0.5	45	165	0	0	4903	5.8	1.1	0	0	0	0	0	0	0	25.2	2.5	0	25.2	2.5	0
LC45 F12 TD G + P1	-30	0.5	45	165	0	0	4903	5.8	1.1	0	0	0	0	0	0	0	25.2	2.5	0	25.2	2.5	0
LC46 F12 TD G + P2	-30	0.5	45	165	0	0	4903	5.8	1.1	0	0	0	0	0	0	0	25.2	2.5	0	25.2	2.5	0
LC47 F12 MAINTENANCE, NA+	-30	0.5	45	165	0	0	4903	9.8	1.1	0	0	0	0	0	0	0	29.2	2.5	0	29.2	2.5	0
LC48 F12 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	4903	9.8	0.6	0	0	0	0	0	0	0	29.2	0.8	0	29.2	0.8	0
LC49 F12 BR G D	0	1	0	0	0	0	4903	2.9	0.5	53.9	0	0	0	0	0	0	25.2	1.2	0	25.2	1.2	0
LC50 F12 BR P1 D	0	1	0	0	0	0	4903	5.8	0.6	0	0	0	0	0	0	0	15.5	0.9	100.6	25.2	1.2	0
LC51 F12 BR P2 D	0	1	0	0	0	0	4903	5.8	0.6	0	0	0	0	0	0	0	25.2	1.2	0	15.5	0.9	100.6
LC52 F12 UBL G	-5	0.9	0	0	0	115	4903	69.8	2.9	60	0	0	0	0	0	0	131.8	4.9	0	131.8	4.9	0
LC53 F12 UBL P1	-5	0.9	0	0	0	115	4903	89.9	3.5	0	0	0	0	0	0	0	108.3	4.3	66.1	131.8	4.9	0
LC54 F12 UBL P2	-5	0.9	0	0	0	115	4903	89.9	3.5	0	0	0	0	0	0	0	131.8	4.9	0	108.3	4.3	66.1
LC55 F12 EDT	0	0.9	0	0	0	0	4903	5.8	0.6	0	0	0	0	0	0	0	25.2	1.2	0	25.2	1.2	0
LC56 F12 COLD	-15	0.9	0	0	0	0	4903	5.8	0.8	0	0	0	0	0	0	0	25.2	1.5	0	25.2	1.5	0

Tower type A3 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT								
								G			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC01 F7 MAX. WIND NA +	-20	0.9	1515	5460	0	0	0	7.2	15.3	0	30.2	37.3	0	30.2	37.3	0
LC02 F7 MAX. WIND NA -	-20	0.9	-1515	-5460	0	0	0	7.2	-12.9	0	30.2	-33.3	0	30.2	-33.3	0
LC03 F7 MAX. WIND 45° B1 +	-20	0.9	1515	3856	3856	0	0	7.2	7.9	-0.5	30.2	19.5	-1	30.2	19.5	-1
LC04 F7 MAX. WIND 45° B1 -	-20	0.9	-1515	-3856	-3856	0	0	7.2	-6.2	-0.5	30.2	-16.7	-1	30.2	-16.7	-1
LC05 F7 MAX. WIND, L B1 +	-20	0.9	1515	0	5460	0	0	7.2	0.7	0	30.2	1.2	0	30.2	1.2	0
LC06 F7 MAX. WIND, L B1 -	-20	0.9	-1515	0	-5460	0	0	7.2	0.7	0	30.2	1.2	0	30.2	1.2	0
LC07 F7 MAX. ICE	-5	0.9	0	0	0	75	8828	94.7	3.5	0	150.9	4.8	0	150.9	4.8	0
LC08 F7 WIND + ICE NA +	-5	0.9	305	610	0	45	8828	43.3	17.4	0	86.2	21	0	86.2	21	0
LC09 F7 WIND + ICE NA -	-5	0.9	-305	-610	0	45	8828	43.3	-13	0	86.2	-14.4	0	86.2	-14.4	0
LC10 F7 TD G + P1 + P2 NA +	-30	0.5	45	165	0	0	0	22.9	2.6	2.4	46.4	4.6	4	46.4	4.6	4
LC11 F7 TD G + P1	-30	0.5	45	165	0	0	0	22.9	2.6	2.4	46.4	4.6	4	0	0	0
LC12 F7 TD G + P2 NA +	-30	0.5	45	165	0	0	0	22.9	2.6	2.4	0	0	0	46.4	4.6	4
LC13 F7 MAINTENANCE NA +	-30	0.5	45	165	0	0	0	11.2	1.2	0	34.2	2.4	0	34.2	2.4	0
LC14 F7 MAINTENANCE NA -	-30	0.5	-45	-165	0	0	0	11.2	0.4	0	34.2	0.3	0	34.2	0.3	0
LC15 F7 BR G D	0	1	0	0	0	0	0	3.7	0.5	53.8	30.2	1.1	0	30.2	1.1	0
LC16 F7 BR P1 D	0	1	0	0	0	0	0	7.2	0.6	0	18	0.8	94.2	30.2	1.1	0
LC17 F7 BR P2 D	0	1	0	0	0	0	0	7.2	0.6	0	30.2	1.1	0	18	0.8	94.2
LC18 F7 UBL G	-5	0.9	0	0	0	75	8828	74.4	3	59.3	150.9	4.8	0	150.9	4.8	0
LC19 F7 UBL P1	-5	0.9	0	0	0	75	8828	94.7	3.5	0	125.6	4.2	68.9	150.9	4.8	0
LC20 F7 UBL P2	-5	0.9	0	0	0	75	8828	94.7	3.5	0	150.9	4.8	0	125.6	4.2	68.9
LC21 F7 EDT	0	0.9	0	0	0	0	0	7.2	0.6	0	30.2	1.1	0	30.2	1.1	0
LC22 F7 COLD	-15	0.9	0	0	0	0	0	7.2	0.7	0	30.2	1.3	0	30.2	1.3	0
LC23 F10 MAX. WIND, NA+	-20	0.9	1290	4650	0	0	0	4.4	11.1	0	33.4	38.2	0	33.4	38.2	0
LC24 F10 MAX. WIND, NA-	-20	0.9	-1290	-4650	0	0	0	4.4	-9.7	0	33.4	-33.9	0	33.4	-33.9	0
LC25 F10 MAX. WIND 45°, BI+	-20	0.9	1290	3284	3284	0	0	4.4	5.7	-0.5	33.4	19.9	-0.9	33.4	19.9	-0.9
LC26 F10 MAX. WIND 45°, BI-	-20	0.9	-1290	-3284	-3284	0	0	4.4	-4.7	-0.5	33.4	-16.7	-0.9	33.4	-16.7	-0.9
LC27 F10 MAX. WIND, L, BI+	-20	0.9	1290	0	4650	0	0	4.4	0.3	0	33.4	1.4	0	33.4	1.4	0
LC28 F10 MAX. WIND, L, BI-	-20	0.9	-1290	0	-4650	0	0	4.4	0.3	0	33.4	1.4	0	33.4	1.4	0
LC29 F10 MAX. ICE	-5	0.9	0	0	0	50	8828	52.6	1.8	0	113.4	4.1	0	113.4	4.1	0
LC30 F10 WIND + ICE, NA+	-5	0.9	305	610	0	25	8828	19.1	12	0	64	18.4	0	64	18.4	0
LC31 F10 WIND + ICE, NA-	-5	0.9	-305	-610	0	25	8828	19.1	-9.9	0	64	-13.2	0	64	-13.2	0
LC32 F10 TD G + P1 + P2 NA+	0	0.5	0	0	0	0	0	15.7	1.4	1.2	53.2	5.4	4.8	53.5	5.4	4.8
LC33 F10 TD G + P1 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	53.2	5.4	4.8	0	0	0
LC34 F10 TD G + P2 NA+	-30	0.5	45	165	0	0	0	15.7	1.4	1.2	0	0	0	53.5	5.4	4.8
LC35 F10 MAINTENANCE NA+	-30	0.5	45	165	0	0	0	8.4	0.8	0	37.4	2.8	0	37.4	2.8	0
LC36 F10 MAINTENANCE NA-	-30	0.5	-45	-165	0	0	0	8.4	0	0	37.4	0.3	0	37.4	0.3	0
LC37 F10 BR G D,	0	1	0	0	0	0	0	2.2	0.2	27.6	33.4	1.3	0	33.4	1.3	0
LC38 F10 BR P1 D,	0	1	0	0	0	0	0	4.4	0.3	0	18.3	1	112.2	33.4	1.3	0
LC39 F10 BR P2 D	0	1	0	0	0	0	0	4.4	0.3	0	33.4	1.3	0	18.3	1	112.2
LC40 F10 UBL G	-5	0.9	0	0	0	50	8828	41.5	1.6	31.3	113.4	4.1	0	113.4	4.1	0
LC41 F10 UBL P1	-5	0.9	0	0	0	50	8828	52.6	1.8	0	97.4	3.6	53.9	113.4	4.1	0
LC42 F10 UBL P2	-5	0.9	0	0	0	50	8828	52.6	1.8	0	113.4	4.1	0	97.4	3.6	53.9
LC43 F10 EDT	0	0.9	0	0	0	0	0	4.4	0.3	0	33.4	1.3	0	33.4	1.3	0
LC44 F10 COLD	-15	0.9	0	0	0	0	0	4.4	0.4	0	33.4	1.5	0	33.4	1.5	0

Tower type A4 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT								
								G			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC35 F6 MAX. WIND, NA+	-20	0.9	3460	12456	0	0	0	5.8	25.1	0	25.2	62.9	0	25.2	62.9	0
LC36 F6 MAX. WIND, NA-	-20	0.9	-3460	-12456	0	0	0	5.8	-21.9	0	25.2	-57.1	0	25.2	-57.1	0
LC37 F6 MAX. WIND 45°, BI+	-20	0.9	3460	8809	8810	0	0	5.8	12.8	-1	25.2	32.8	-2.3	25.2	32.8	-2.3
LC38 F6 MAX. WIND 45°, BI-	-20	0.9	-3460	-8809	-8810	0	0	5.8	-10.6	-1	25.2	-29.2	-2.4	25.2	-29.2	-2.4
LC39 F6 MAX. WIND, L, BI+	-20	0.9	3460	0	12456	0	0	5.8	0.7	0	25.2	1	0	25.2	1	0
LC40 F6 MAX. WIND, L, BI-	-20	0.9	-3460	0	-12456	0	0	5.8	0.7	0	25.2	1	0	25.2	1	0
LC41 F6 MAX. ICE	-5	0.9	0	0	0	135	4903	119	3.7	0	164.9	4.8	0	164.9	4.8	0
LC42 F6 WIND + ICE, NA+	-5	0.9	1580	3165	0	70	4903	40	86.7	0	73.1	93.6	0	73.1	93.6	0
LC43 F6 WIND + ICE, NA-	-5	0.9	-1580	-3155	0	70	4903	40	-79.6	0	73.1	-85.1	0	73.1	-85.1	0
LC44 F6 TD G + P1 + P3, NA+	-30	0.5	45	165	0	0	0	5.8	1.2	0	25.2	1.9	0	25.2	1.9	0
LC45 F6 TD G + P1, NA+	-30	0.5	45	165	0	0	0	5.8	1.2	0	25.2	1.9	0	25.2	1.9	0
LC46 F6 TD G + P3, NA+	-30	0.5	45	165	0	0	0	5.8	1.2	0	25.2	1.9	0	25.2	1.9	0
LC47 F6 MAINTENANCE, NA+	-30	0.5	45	165	0	0	0	9.8	1.2	0	29.2	1.9	0	29.2	1.9	0
LC48 F6 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	0	9.8	0.6	0	29.2	0.4	0	29.2	0.4	0
LC49 F6 EDT	0	1	0	0	0	0	0	5.8	0.6	0	25.2	0.9	0	25.2	0.9	0
LC50 F6 BR G D	0	1	0	0	0	0	0	2.9	0.5	53.9	25.2	0.9	0	25.2	0.9	0
LC51 F6 BR P1 D	0	1	0	0	0	0	0	5.8	0.6	0	15.5	0.7	76.8	25.2	0.9	0
LC52 F6 BR P2 D	0	1	0	0	0	0	0	5.8	0.6	0	25.2	0.9	0	15.5	0.7	76.8
LC53 F6 UBL G	-5	0.9	0	0	0	135	4903	91.7	3.1	65	164.9	4.8	0	164.9	4.8	0
LC54 F6 UBL P1	-5	0.9	0	0	0	135	4903	119	3.7	0	133.6	4.2	74.2	164.9	4.8	0
LC55 F6 UBL P2	-5	0.9	0	0	0	135	4903	119	3.7	0	164.9	4.8	0	133.6	4.2	74.2
LC56 F6 COLD	-15	0.9	0	0	0	0	0	5.8	0.8	0	25.2	1.1	0	25.2	1.1	0
LC57 F9 MAX. WIND, NA+	-20	0.9	3460	12456	0	0	0	5.2	24.7	0	22.1	61.6	0	22.1	61.6	0
LC58 F9 MAX. WIND, NA-	-20	0.9	-3460	-12456	0	0	0	5.2	-21.4	0	22.1	-54.5	0	22.1	-54.5	0
LC59 F9 MAX. WIND 45°, BI+	-20	0.9	3460	8809	8809	0	0	5.2	12.6	-1	22.1	32.2	-2.7	22.1	32.2	-2.7
LC60 F9 MAX. WIND 45°, BI-	-20	0.9	-3460	-8809	-8809	0	0	5.2	-10.4	-1	22.1	-27.5	-2.7	22.1	-27.5	-2.7
LC61 F9 MAX. WIND, L, BI+	-20	0.9	0	0	12456	0	0	5.2	0.7	0	22.1	1.4	0	22.1	1.4	0
LC62 F9 MAX. WIND, L, BI-	-20	0.9	0	0	-12456	0	0	5.2	0.7	0	22.1	1.4	0	22.1	1.4	0
LC63 F9 MAX. ICE	-5	0.9	0	0	0	115	4903	80.9	3.3	0	118	4.8	0	118	4.8	0
LC64 F9 WIND + ICE, NA+	-5	0.9	1580	3160	0	60	4903	28.7	74.9	0	56.1	83.1	0	56.1	83.1	0
LC65 F9 WIND + ICE, NA-	-5	0.9	-1580	-3160	0	60	4903	28.7	-68.4	0	56.1	-74.2	0	56.1	-74.2	0
LC66 F9 TD G + P1 + P2, NA+	-30	0.5	45	165	0	0	0	5.2	1.1	0	22.1	2.6	0	22.1	2.6	0
LC67 F9 TD G + P1, NA+	-30	0.5	45	165	0	0	0	5.2	1.1	0	22.1	2.6	0	22.1	2.6	0
LC68 F9 TD G + P2, NA+	-30	0.5	45	165	0	0	0	5.2	1.1	0	22.1	2.6	0	22.1	2.6	0
LC69 F9 MAINTENANCE, NA+	-30	0.5	45	165	0	0	0	9.2	1.2	0	26.1	2.6	0	26.1	2.6	0
LC70 F9 MAINTENANCE, NA-	-30	0.5	-45	-165	0	0	0	9.2	0.6	0	26.1	1.1	0	26.1	1.1	0
LC71 F9 BR G D	0	1	0	0	0	0	0	2.7	0.5	54	22.1	1.2	0	22.1	1.2	0
LC72 F9 BR P1 D	0	1	0	0	0	0	0	5.2	0.6	0	13.3	0.9	104	22.1	1.2	0
LC73 F9 BR P2 D	0	1	0	0	0	0	0	5.2	0.6	0	22.1	1.2	0	13.3	0.9	104
LC74 F9 UBL G	-5	0.9	0	0	0	115	4903	62.8	2.8	55.6	118	4.8	0	118	4.8	0
LC75 F9 UBL P1	-5	0.9	0	0	0	115	4903	80.9	3.3	0	96.9	4.2	61.7	118	4.8	0
LC76 F9 UBL P2	-5	0.9	0	0	0	115	4903	80.9	3.3	0	118	4.8	0	96.9	4.2	61.7
LC77 F9 EDT	0	0.9	0	0	0	0	0	5.2	0.6	0	22.1	1.2	0	22.1	1.2	0
LC78 F9 COLD, NA+	-15	0.9	0	0	0	0	0	5.2	0.8	0	22.1	1.7	0	22.1	1.7	0

Tower type B1 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT												
								G			E1			E2			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
F5 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	1290	4644	0	0	0	4.4	12.6	0	0	0	0	0	0	0	35.8	43.2	0	35.8	43.2	0
F5 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-1290	-4644	0	0	0	4.4	-8.2	0	0	0	0	0	0	0	35.8	-30.2	0	35.8	-30.2	0
F5 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	912	3290	3284	0	0	4.4	6.7	-1.4	0	0	0	0	0	0	35.8	23.6	-2.6	35.8	23.6	-2.6
F5 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.4	-3.7	-1.4	0	0	0	0	0	0	35.8	-13.9	-2.7	35.8	-13.9	-2.7
F5 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	1290	0	4644	0	0	4.4	1	0	0	0	0	0	0	0	35.8	4.1	0	35.8	4.1	0
F5 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	-1290	0	-4644	0	0	4.4	1	0	0	0	0	0	0	0	35.8	4.1	0	35.8	4.1	0
F5 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	115.8	12.2	0	115.8	12.2	0
F5 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.1	14.1	0	0	0	0	0	0	0	66.4	23.7	0	66.4	23.7	0
F5 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.1	-7.7	0	0	0	0	0	0	0	66.4	-8.2	0	66.4	-8.2	0
F5 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.4	1.5	0	0	0	0	0	0	0	39.8	6	0	39.8	6	0
F5 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.4	0.8	0	0	0	0	0	0	0	39.8	3.4	0	39.8	3.4	0
F5 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.2	0.7	27.6	0	0	0	0	0	0	35.8	3.9	0	35.8	3.9	0
F5 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	20.7	2.9	112.2	35.8	3.9	0
F5 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	35.8	3.9	0	20.7	2.9	112.2
F5 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	41.5	4.7	31.3	0	0	0	0	0	0	115.8	12.2	0	115.8	12.2	0
F5 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	99.9	10.7	53.9	115.8	12.2	0
F5 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	115.8	12.2	0	99.9	10.7	53.9
F5 LC21 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	35.8	3.9	0	35.8	3.9	0
F5 LC22 Angle 3° Cold,I NA+	-15	0.5	0	0	0	0	0	4.4	1.1	0	0	0	0	0	0	0	35.8	4.5	0	35.8	4.5	0
F4 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	980	3530	0	0	0	4.5	9.8	0	0	0	0	0	0	0	36.7	34	0	36.7	34	0
F4 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-980	-3530	0	0	0	4.5	-6.4	0	0	0	0	0	0	0	36.7	-22.8	0	36.7	-22.8	0
F4 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	693	2500	2494	0	0	4.5	5.3	-0.8	0	0	0	0	0	0	36.7	19	-1.6	36.7	19	-1.6
F4 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.5	-2.8	-0.8	0	0	0	0	0	0	36.7	-10	-1.7	36.7	-10	-1.7
F4 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	0	0	3528	0	0	4.5	1	0	0	0	0	0	0	0	36.7	4.1	0	36.7	4.1	0
F4 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-3528	0	0	4.5	1	0	0	0	0	0	0	0	36.7	4.1	0	36.7	4.1	0
F4 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	119.1	12.2	0	119.1	12.2	0
F4 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.7	15.2	0	0	0	0	0	0	0	68.2	24	0	68.2	24	0
F4 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.7	-9	0	0	0	0	0	0	0	68.2	-8.5	0	68.2	-8.5	0
F4 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.5	1.5	0	0	0	0	0	0	0	40.7	6	0	40.7	6	0
F4 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.5	0.8	0	0	0	0	0	0	0	40.7	3.4	0	40.7	3.4	0
F4 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.3	0.7	27.6	0	0	0	0	0	0	36.7	3.9	0	36.7	3.9	0
F4 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	21.2	2.9	112.1	36.7	3.9	0
F4 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	36.7	3.9	0	21.2	2.9	112.1
F4 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	42.7	4.7	31.8	0	0	0	0	0	0	119.1	12.2	0	119.1	12.2	0
F4 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	102.7	10.8	54.4	119.1	12.2	0
F4 LC20 Angle 3° UBL P2,C NA+	-5	1	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	119.1	12.2	0	102.7	10.8	54.4
F4 LC21 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	36.7	3.9	0	36.7	3.9	0
F4 LC22 Angle 3° Cold,I NA+	-15	0.9	0	0	0	0	0	4.5	1.1	0	0	0	0	0	0	0	36.7	4.5	0	36.7	4.5	0
F7 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	1515	5460	0	0	0	7.2	17.7	0	0	0	0	0	0	0	30.2	41.3	0	30.2	41.3	0
F7 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-1515	-5460	0	0	0	7.2	-10.7	0	0	0	0	0	0	0	30.2	-29.3	0	30.2	-29.3	0
F7 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	1071	3860	3856	0	0	7.2	9.6	-1.5	0	0	0	0	0	0	30.2	22.4	-2.9	30.2	22.4	-2.9
F7 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-1071	-3860	-3856	0	0	7.2	-4.5	-1.6	0	0	0	0	0	0	30.2	-13.8	-3	30.2	-13.8	-3
F7 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	0	0	5454	0	0	7.2	2.1	0	0	0	0	0	0	0	30.2	3.5	0	30.2	3.5	0
F7 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-5454	0	0	7.2	2.1	0	0	0	0	0	0	0	30.2	3.5	0	30.2	3.5	0
F7 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	150.9	14.5	0	150.9	14.5	0
F7 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	45	8825	43.3	21.9	0	0	0	0	0	0	0	86.1	27.5	0	86.1	27.5	0
F7 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	45	8825	43.3	-8.6	0	0	0	0	0	0	0	86.1	-7.8	0	86.1	-7.8	0
F7 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	11.2	2.8	0	0	0	0	0	0	0	34.2	5	0	34.2	5	0
F7 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	11.2	2	0	0	0	0	0	0	0	34.2	2.9	0	34.2	2.9	0
F7 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	3.7	1.4	53.8	0	0	0	0	0	0	30.2	3.3	0	30.2	3.3	0
F7 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	17.9	2.5	94.1	30.2	3.3	0
F7 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	30.2	3.3	0	17.9	2.5	94.1

F7 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	75	8825	74.4	8.9	59.3	0	0	0	0	0	0	150.9	14.5	0	150.9	14.5	0
F7 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	125.6	12.7	68.9	150.9	14.5	0
F7 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	150.9	14.5	0	125.6	12.7	68.9
F7 LC21 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	30.2	3.3	0	30.2	3.3	0
F7 LC22 Angle 3° Cold,I NA+	-15	0.9	0	0	0	0	0	7.2	2.2	0	0	0	0	0	0	0	30.2	3.8	0	30.2	3.8	0
F4 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	980	3530	0	0	0	4.7	8.9	0	0	0	0	0	0	0	38.3	31.2	0	38.3	31.2	0
F4 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-980	-3530	0	0	0	4.7	-8.9	0	0	0	0	0	0	0	38.3	-31.2	0	38.3	-31.2	0
F4 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	693	2500	2494	0	0	4.7	4.5	0	0	0	0	0	0	0	38.3	15.9	0	38.3	15.9	0
F4 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.7	-4.5	0	0	0	0	0	0	0	38.3	-15.9	0	38.3	-15.9	0
F4 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	0	0	3528	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-3528	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	125	0	0	125	0	0
F4 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	20.7	13.4	0	0	0	0	0	0	0	71.5	17.9	0	71.5	17.9	0
F4 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	20.7	-13.4	0	0	0	0	0	0	0	71.5	-17.9	0	71.5	-17.9	0
F4 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	54.4	3.9	4.7	54.4	3.9	4.7
F4 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	54.4	3.9	4.7	0	0	0
F4 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	0	0	0	54.4	3.9	4.7
F4 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.7	0.4	0	0	0	0	0	0	0	42.3	1.4	0	42.3	1.4	0
F4 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.7	-0.4	0	0	0	0	0	0	0	42.3	-1.4	0	42.3	-1.4	0
F4 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	22	0	111.8	38.3	0	0
F4 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	22	0	111.8
F4 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	44.9	0	31.8	0	0	0	0	0	0	125	0	0	125	0	0
F4 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	107.7	0	54.4	125	0	0
F4 LC20 Angle 0° UBL P2,C NA+	-5	1	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	125	0	0	107.7	0	54.4
F4 LC21 Angle 0° EDT,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC22 Angle 0° Cold,I NA+	-15	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F5 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	1290	4644	0	0	0	4.4	10.4	0	0	0	0	0	0	0	35.8	36.7	0	35.8	36.7	0
F5 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-1290	-4644	0	0	0	4.4	-10.4	0	0	0	0	0	0	0	35.8	-36.7	0	35.8	-36.7	0
F5 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	912	3290	3284	0	0	4.4	5.2	0	0	0	0	0	0	0	35.8	18.7	0	35.8	18.7	0
F5 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.4	-5.2	0	0	0	0	0	0	0	35.8	-18.7	0	35.8	-18.7	0
F5 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	1290	0	4644	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-1290	0	-4644	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	115.8	0	0	115.8	0	0
F5 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.1	10.9	0	0	0	0	0	0	0	66.5	15.9	0	66.5	15.9	0
F5 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.1	-10.9	0	0	0	0	0	0	0	66.5	-15.9	0	66.5	-15.9	0
F5 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	54.2	3.9	4.8	54.2	3.9	4.8
F5 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	54.2	3.9	4.8	0	0	0
F5 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	0	0	0	54.2	3.9	4.8
F5 LC13 Angle 0° Maintenance NA+,I NA+	-30	1	45	165	0	0	0	8.4	0.4	0	0	0	0	0	0	0	39.8	1.3	0	39.8	1.3	0
F5 LC14 Angle 0° Maintenance NA-,I NA-	-30	1	-45	-165	0	0	0	8.4	-0.4	0	0	0	0	0	0	0	39.8	-1.3	0	39.8	-1.3	0
F5 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	2.2	0	27.6	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	20.8	0	112.2	35.8	0	0
F5 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	20.8	0	112.2
F5 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	41.5	0	31.3	0	0	0	0	0	0	115.8	0	0	115.8	0	0
F5 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	99.9	0	53.9	115.8	0	0
F5 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	115.8	0	0	99.9	0	53.9
F5 LC21 Angle 0° EDT,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC22 Angle 0° Cold,I NA+	-15	0.9	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F7 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	1515	5460	0	0	0	7.9	16.1	0	0	0	0	0	0	0	32.5	40.1	0	32.5	40.1	0
F7 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-1515	-5460	0	0	0	7.9	-16.1	0	0	0	0	0	0	0	32.5	-40.1	0	32.5	-40.1	0
F7 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	1071	3860	3856	0	0	7.9	8	0	0	0	0	0	0	0	32.5	20.5	0	32.5	20.5	0
F7 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-1071	-3860	-3856	0	0	7.9	-8	0	0	0	0	0	0	0	32.5	-20.5	0	32.5	-20.5	0
F7 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	0	0	5454	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-5454	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	164.1	0	0	164.1	0	0
F7 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	45	8825	47.2	17.4	0	0	0	0	0	0	0	93.5	20.1	0	93.5	20.1	0
F7 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	45	8825	47.2	-17.4	0	0	0	0	0	0	0	93.5	-20.1	0	93.5	-20.1	0
F7 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	47	3.3	4	47	3.3	4
F7 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	47	3.3	4	0	0	0
F7 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	0	0	0	47	3.3	4
F7 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	11.9	0.5	0	0	0	0	0	0	0	36.5	1.2	0	36.5	1.2	0
F7 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	11.9	-0.5	0	0	0	0	0	0	0	36.5	-1.2	0	36.5	-1.2	0
F7 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	4	0	53.8	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	19.1	0	92.6	32.5	0	0
F7 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	19.1	0	92.6
F7 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	75	8825	81.1	0	59.3	0	0	0	0	0	0	164.1	0	0	164.1	0	0

F7 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	136.5	0	69.3	164.1	0	0
F7 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	164.1	0	0	136.5	0	69.3
F7 LC21 Angle 0° EDT,C NA+	0	0.9	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC22 Angle 0° Cold,I NA+	-15	0.9	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F1 LC01 Angle 3° Max Wind,C NA+	-20	0.9	980	3530	0	0	0	3.8	8.6	0	10.9	18	0	10.9	18	0	31.7	29.9	0	31.7	29.9	0
F1 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-980	-3530	0	0	0	3.8	-5.2	0	10.9	-11.7	0	10.9	-11.7	0	31.7	-18.5	0	31.7	-18.5	0
F1 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	693	2500	2494	0	0	3.8	4.7	-0.7	10.9	9.8	-1.3	10.9	9.8	-1.3	31.7	17	-1.6	31.7	17	-1.6
F1 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-693	-2500	-2494	0	0	3.8	-2.1	-0.7	10.9	-5.1	-1.4	10.9	-5.1	-1.4	31.7	-7.8	-1.7	31.7	-7.8	-1.7
F1 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	0	3528	0	0	3.8	1.1	0	10.9	1.9	0	10.9	1.9	0	31.7	4.2	0	31.7	4.2	0
F1 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	0	-3528	0	0	3.8	1.1	0	10.9	1.9	0	10.9	1.9	0	31.7	4.2	0	31.7	4.2	0
F1 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	16.5	12.4	0	29.9	15.9	0	29.9	15.9	0	58.1	21.5	0	58.1	21.5	0
F1 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	16.5	-6.5	0	29.9	-6.8	0	29.9	-6.8	0	58.1	-6.1	0	58.1	-6.1	0
F1 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	7.8	1.5	0	14.9	3	0	14.9	3	0	35.7	6.2	0	35.7	6.2	0
F1 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	7.8	0.9	0	14.9	1.6	0	14.9	1.6	0	35.7	3.9	0	35.7	3.9	0
F1 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	1.9	0.7	27.6	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	5.7	1.3	51.4	31.7	3.9	0	31.7	3.9	0
F1 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	5.7	1.3	51.4	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	3.9	0
F1 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	18.7	3	112.8
F1 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	5.7	1.3	51.4	31.7	3.9	0	31.7	3.9	0
F1 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	5.7	1.3	51.4	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	3.9	0
F1 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	18.7	3	112.8
F1 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.2	24	18.7	3	112.8	31.7	3.9	0
F1 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.2	24	31.7	3.9	0	18.7	3	112.8
F1 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	2.6	52.6	18.7	3	112.8
F1 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	2.6	52.6
F1 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	35.8	4.3	28.3	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC32 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	53.6	6.3	31.8	100.7	11.8	0	100.7	11.8	0
F1 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	53.6	6.3	31.8	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	87	10.5	51	100.7	11.8	0
F1 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	87	10.5	51
F1 LC36 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC37 Angle 3° Cold,I NA+	-30	0.5	0	0	0	0	0	3.8	1.2	0	10.9	2.3	0	10.9	2.3	0	31.7	5	0	31.7	5	0
F2 LC01 Angle 3° Max Wind,C NA+	-20	0.9	2070	7460	0	0	0	4.2	14.6	0	7.9	23.1	0	7.9	23.1	0	19.6	35.7	0	19.6	35.7	0
F2 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-2070	-7460	0	0	0	4.2	-7.6	0	7.9	-16.2	0	7.9	-16.2	0	19.6	-22	0	19.6	-22	0
F2 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	1464	5280	5270	0	0	4.2	8.2	-1.4	7.9	12	-2.4	7.9	12	-2.4	19.6	19.8	-3.8	19.6	19.8	-3.8
F2 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-1464	-5280	-5270	0	0	4.2	-2.8	-1.4	7.9	-7.7	-2.5	7.9	-7.7	-2.5	19.6	-10.2	-3.9	19.6	-10.2	-3.9
F2 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	10	7452	0	0	4.2	2.2	0	7.9	1.3	0	7.9	1.3	0	19.6	3.6	0	19.6	3.6	0
F2 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	-10	-7452	0	0	4.2	2.2	0	7.9	1.3	0	7.9	1.3	0	19.6	3.6	0	19.6	3.6	0
F2 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	970	1950	0	70	4903	28.6	47.9	0	37.4	48.4	0	37.4	48.4	0	53.8	54.1	0	53.8	54.1	0
F2 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-970	-1950	0	70	4903	28.6	-32.3	0	37.4	-34.6	0	37.4	-34.6	0	53.8	-32.6	0	53.8	-32.6	0
F2 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.2	3	0	11.9	1.9	0	11.9	1.9	0	23.6	5.6	0	23.6	5.6	0
F2 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.2	2.6	0	11.9	1.1	0	11.9	1.1	0	23.6	4.4	0	23.6	4.4	0
F2 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	2.1	1.4	54	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	4.2	0.9	35.6	19.6	3.1	0	19.6	3.1	0
F2 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	4.2	0.9	35.6	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	3.1	0
F2 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	12.7	2.4	89.8
F2 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	4.2	0.9	35.6	19.6	3.1	0	19.6	3.1	0
F2 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	4.2	0.9	35.6	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	3.1	0
F2 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	12.7	2.4	89.8
F2 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	0.8	16.6	12.7	2.4	89.8	19.6	3.1	0
F2 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	0.8	16.6	19.6	3.1	0	12.7	2.4	89.8
F2 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	2	41.9	12.7	2.4	89.8
F2 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	2	41.9
F2 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	135	4903	65.5	8.7	59.1	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC32 Angle 3° UBL E2,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	77.6	8.3	57.2	119.4	14.3	0	119.4	14.3	0

F2 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	77.6	8.3	57.2	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	97	12.6	65.7	119.4	14.3	0
F2 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	97	12.6	65.7
F2 LC36 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC37 Angle 3° Cold,I NA+	-30	0.9	0	0	0	0	0	4.2	2.8	0	7.9	1.5	0	7.9	1.5	0	19.6	5	0	19.6	5	0
F3 LC01 Angle 3° Max Wind,C NA+	-20	0.9	1290	4650	0	0	0	3.7	10.7	0	10.5	22.8	0	10.5	22.8	0	30.8	37.6	0	30.8	37.6	0
F3 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-1290	-4650	0	0	0	3.7	-6.9	0	10.5	-15.4	0	10.5	-15.4	0	30.8	-24.8	0	30.8	-24.8	0
F3 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	912	3290	3284	0	0	3.7	5.8	-1	10.5	12.2	-2	10.5	12.2	-2	30.8	20.8	-2.6	30.8	20.8	-2.6
F3 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-912	-3290	-3284	0	0	3.7	-3	-1	10.5	-7	-2	10.5	-7	-2	30.8	-11.1	-2.6	30.8	-11.1	-2.6
F3 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	0	4644	0	0	3.7	1.1	0	10.5	2	0	10.5	2	0	30.8	4.1	0	30.8	4.1	0
F3 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	0	-4644	0	0	3.7	1.1	0	10.5	2	0	10.5	2	0	30.8	4.1	0	30.8	4.1	0
F3 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	16	12.1	0	28.9	15.7	0	28.9	15.7	0	56.3	21	0	56.3	21	0
F3 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	16	-6.3	0	28.9	-6.5	0	28.9	-6.5	0	56.3	-6	0	56.3	-6	0
F3 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	7.7	1.5	0	14.5	3.1	0	14.5	3.1	0	34.8	6	0	34.8	6	0
F3 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	7.7	0.9	0	14.5	1.8	0	14.5	1.8	0	34.8	3.9	0	34.8	3.9	0
F3 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	1.9	0.7	27.6	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	5.5	1.4	52.7	30.8	3.9	0	30.8	3.9	0
F3 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	5.5	1.4	52.7	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	3.9	0
F3 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	18.2	2.9	110.6
F3 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	5.5	1.4	52.7	30.8	3.9	0	30.8	3.9	0
F3 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	5.5	1.4	52.7	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	3.9	0
F3 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	18.2	2.9	110.6
F3 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.2	24.6	18.2	2.9	110.6	30.8	3.9	0
F3 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.2	24.6	30.8	3.9	0	18.2	2.9	110.6
F3 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	2.5	51.6	18.2	2.9	110.6
F3 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	2.5	51.6
F3 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	34.6	4.3	27.8	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC32 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	51.7	6.3	31.1	97.5	11.6	0	97.5	11.6	0
F3 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	51.7	6.3	31.1	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	84.2	10.3	50.5	97.5	11.6	0
F3 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	84.2	10.3	50.5
F3 LC36 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC37 Angle 3° Cold,I NA+	-30	0.5	0	0	0	0	0	3.7	1.2	0	10.5	2.4	0	10.5	2.4	0	30.8	5	0	30.8	5	0
F1 LC01 Angle 0° Max Wind,C NA+	-20	0.9	980	3530	0	0	0	4.6	7.7	0	12.6	16.7	0	12.6	16.7	0	37.2	27.3	0	37.2	27.3	0
F1 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-980	-3530	0	0	0	4.6	-7.7	0	12.6	-16.7	0	12.6	-16.7	0	37.2	-27.3	0	37.2	-27.3	0
F1 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	693	2500	2494	0	0	4.6	3.9	0	12.6	8.3	0	12.6	8.3	0	37.2	13.9	0	37.2	13.9	0
F1 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.6	-3.9	0	12.6	-8.3	0	12.6	-8.3	0	37.2	-13.9	0	37.2	-13.9	0
F1 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	10	3528	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	-10	-3528	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	20	10.7	0	35.7	12.8	0	35.7	12.8	0	69.3	15.6	0	69.3	15.6	0
F1 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	20	-10.7	0	35.7	-12.8	0	35.7	-12.8	0	69.3	-15.6	0	69.3	-15.6	0
F1 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	27.9	2	2.4	27.9	2	2.4	55.4	4	5	55.4	4	5
F1 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	0	0	0	27.9	2	2.4	55.4	4	5	0	0	0
F1 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	27.9	2	2.4	0	0	0	0	0	0	55.4	4	5
F1 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.6	0.4	0	16.6	0.8	0	16.6	0.8	0	41.2	1.3	0	41.2	1.3	0
F1 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.6	-0.4	0	16.6	-0.8	0	16.6	-0.8	0	41.2	-1.3	0	41.2	-1.3	0
F1 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.3	0	27.6	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	6.3	0	49.4	37.2	0	0	37.2	0	0
F1 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	6.3	0	49.4	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	0
F1 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	21.5	0	112
F1 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	6.3	0	49.4	37.2	0	0	37.2	0	0
F1 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	6.3	0	49.4	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	0
F1 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	0	37.2	0	0	21.5	0	112
F1 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	23	21.5	0	112	37.2	0	0
F1 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	23	37.2	0	0	21.5	0	112
F1 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	52.3	21.5	0	112
F1 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	52.3
F1 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.3	0	27.6	12.6	0	0	12.6	0	23	37.2	0	52.3	37.2	0	0

F1 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	6.3	0	49.4	37.2	0	52.3	37.2	0	0
F1 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	23	21.5	0	112	37.2	0	0
F1 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	43.4	0	28.3	78.3	0	0	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC32 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	64.4	0	32.1	120.9	0	0	120.9	0	0
F1 LC33 Angle 0° UBL E2,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	64.4	0	32.1	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	104.3	0	51	120.9	0	0
F1 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	120.9	0	0	104.3	0	51
F1 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F2 LC01 Angle 0° Max Wind,C NA+	-20	0.9	2070	7460	0	0	0	4.5	12.5	0	8.1	21.9	0	8.1	21.9	0	20.8	32.4	0	20.8	32.4	0
F2 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-2070	-7460	0	0	0	4.5	-12.5	0	8.1	-21.9	0	8.1	-21.9	0	20.8	-32.4	0	20.8	-32.4	0
F2 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	1464	5280	5270	0	0	4.5	6.3	0	8.1	11	0	8.1	11	0	20.8	16.8	0	20.8	16.8	0
F2 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-1464	-5280	-5270	0	0	4.5	-6.3	0	8.1	-11	0	8.1	-11	0	20.8	-16.8	0	20.8	-16.8	0
F2 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	0	7452	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	0	-7452	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	970	1950	0	70	4903	30.9	45.6	0	39.9	46.9	0	39.9	46.9	0	57.7	49.1	0	57.7	49.1	0
F2 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-970	-1950	0	70	4903	30.9	-45.6	0	39.9	-46.9	0	39.9	-46.9	0	57.7	-49.1	0	57.7	-49.1	0
F2 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	21.2	1.4	1.5	21.2	1.4	1.5	47.2	3.7	5	47.2	3.7	5
F2 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	0	0	0	21.2	1.4	1.5	47.2	3.7	5	0	0	0
F2 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	21.2	1.4	1.5	0	0	0	0	0	0	47.2	3.7	5
F2 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.5	0.3	0	12.1	0.5	0	12.1	0.5	0	24.8	0.7	0	24.8	0.7	0
F2 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.5	-0.3	0	12.1	-0.5	0	12.1	-0.5	0	24.8	-0.7	0	24.8	-0.7	0
F2 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.3	0	54	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	4	0	34.9	20.8	0	0	20.8	0	0
F2 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	4	0	34.9	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	0
F2 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	13.2	0	89.8
F2 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	4	0	34.9	20.8	0	0	20.8	0	0
F2 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	4	0	34.9	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	0
F2 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	0	20.8	0	0	13.2	0	89.8
F2 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	16.3	13.2	0	89.8	20.8	0	0
F2 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	16.3	20.8	0	0	13.2	0	89.8
F2 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	41.9	13.2	0	89.8
F2 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	41.9
F2 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.3	0	54	8.1	0	0	8.1	0	16.3	20.8	0	41.9	20.8	0	0
F2 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	4	0	34.9	20.8	0	41.9	20.8	0	0
F2 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	16.3	13.2	0	89.8	20.8	0	0
F2 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	135	4903	70.8	0	59.2	105.9	0	0	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC32 Angle 0° UBL E2,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	83.3	0	57.3	128.5	0	0	128.5	0	0
F2 LC33 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	83.3	0	57.3	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	104.4	0	65.8	128.5	0	0
F2 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	128.5	0	0	104.4	0	65.8
F2 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F3 LC01 Angle 0° Max Wind,C NA+	-20	0.9	1290	4650	0	0	0	4.6	11.4	0	12.8	24.5	0	12.8	24.5	0	37.5	40	0	37.5	40	0
F3 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-1290	-4650	0	0	0	4.6	-11.4	0	12.8	-24.5	0	12.8	-24.5	0	37.5	-40	0	37.5	-40	0
F3 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	912	3290	3284	0	0	4.6	5.7	0	12.8	12.3	0	12.8	12.3	0	37.5	20.4	0	37.5	20.4	0
F3 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.6	-5.7	0	12.8	-12.3	0	12.8	-12.3	0	37.5	-20.4	0	37.5	-20.4	0
F3 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	10	4644	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	-10	-4644	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	122	0	0	122	0	0
F3 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	20.2	12	0	36	14.4	0	36	14.4	0	69.8	17.4	0	69.8	17.4	0
F3 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	20.2	-12	0	36	-14.4	0	36	-14.4	0	69.8	-17.4	0	69.8	-17.4	0
F3 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	28.4	2.1	2.5	28.4	2.1	2.5	55	4	5	55	4	5
F3 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	0	0	0	28.4	2.1	2.5	55	4	5	0	0	0
F3 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	28.4	2.1	2.5	0	0	0	0	0	0	55	4	5
F3 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.6	0.4	0	16.8	0.9	0	16.8	0.9	0	41.5	1.4	0	41.5	1.4	0
F3 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.6	-0.4	0	16.8	-0.9	0	16.8	-0.9	0	41.5	-1.4	0	41.5	-1.4	0
F3 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	6.4	0	50.6	37.5	0	0	37.5	0	0
F3 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	6.4	0	50.6	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	0
F3 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	21.6	0	110.2
F3 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	6.4	0	50.6	37.5	0	0	37.5	0	0
F3 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	6.4	0	50.6	12.8	0	0	37.5	0	0	37.5	0	0

F3 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	0
F3 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	0	37.5	0	0	21.6	0	110.2
F3 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	23.6	21.6	0	110.2	37.5	0	0
F3 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	23.6	37.5	0	0	21.6	0	110.2
F3 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	51.4	21.6	0	110.2
F3 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	51.4
F3 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	12.8	0	0	12.8	0	23.6	37.5	0	51.4	37.5	0	0
F3 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	6.4	0	50.6	37.5	0	51.4	37.5	0	0
F3 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	23.6	21.6	0	110.2	37.5	0	0
F3 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	43.8	0	27.8	79	0	0	79	0	0	122	0	0	122	0	0
F3 LC32 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	64.9	0	31.4	122	0	0	122	0	0
F3 LC33 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	64.9	0	31.4	79	0	0	122	0	0	122	0	0
F3 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	105.1	0	50.5	122	0	0
F3 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	122	0	0	105.1	0	50.5
F3 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0

Tower type B2 Loading			WIND ON CABLES	WIND ON STRUCTURE AND CABLES		ICE ON STRUCTURE AND CABLES		POINTS OF LOADING ATTACHMENT												
								G			E1			E2			P1			P2		
LOAD CASE	TEMP. (°C)	STRENGTH FACTOR	TRANS. WIND (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m^3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
F5 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	1290	4644	0	0	0	4.4	12.6	0	0	0	0	0	0	0	35.8	43.2	0	35.8	43.2	0
F5 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-1290	-4644	0	0	0	4.4	-8.2	0	0	0	0	0	0	0	35.8	-30.2	0	35.8	-30.2	0
F5 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	912	3290	3284	0	0	4.4	6.7	-1.4	0	0	0	0	0	0	35.8	23.6	-2.6	35.8	23.6	-2.6
F5 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.4	-3.7	-1.4	0	0	0	0	0	0	35.8	-13.9	-2.7	35.8	-13.9	-2.7
F5 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	1290	0	4644	0	0	4.4	1	0	0	0	0	0	0	0	35.8	4.1	0	35.8	4.1	0
F5 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	-1290	0	-4644	0	0	4.4	1	0	0	0	0	0	0	0	35.8	4.1	0	35.8	4.1	0
F5 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	115.8	12.2	0	115.8	12.2	0
F5 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.1	14.1	0	0	0	0	0	0	0	66.4	23.7	0	66.4	23.7	0
F5 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.1	-7.7	0	0	0	0	0	0	0	66.4	-8.2	0	66.4	-8.2	0
F5 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.4	1.5	0	0	0	0	0	0	0	35.8	6	0	35.8	6	0
F5 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.4	1.5	0	0	0	0	0	0	0	39.8	6	0	39.8	6	0
F5 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.4	0.8	0	0	0	0	0	0	0	39.8	3.4	0	39.8	3.4	0
F5 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.2	0.7	27.6	0	0	0	0	0	0	35.8	3.9	0	35.8	3.9	0
F5 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	20.7	2.9	112.2	35.8	3.9	0
F5 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	35.8	3.9	0	20.7	2.9	112.2
F5 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	41.5	4.7	31.3	0	0	0	0	0	0	115.8	12.2	0	115.8	12.2	0
F5 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	99.9	10.7	53.9	115.8	12.2	0
F5 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	52.6	5.5	0	0	0	0	0	0	0	115.8	12.2	0	99.9	10.7	53.9
F5 LC21 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	4.4	1	0	0	0	0	0	0	0	35.8	3.9	0	35.8	3.9	0
F5 LC22 Angle 3° Cold,I NA+	-15	0.5	0	0	0	0	0	4.4	1.1	0	0	0	0	0	0	0	35.8	4.5	0	35.8	4.5	0
F4 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	980	3530	0	0	0	4.5	9.8	0	0	0	0	0	0	0	36.7	34	0	36.7	34	0
F4 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-980	-3530	0	0	0	4.5	-6.4	0	0	0	0	0	0	0	36.7	-22.8	0	36.7	-22.8	0
F4 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	693	2500	2494	0	0	4.5	5.3	-0.8	0	0	0	0	0	0	36.7	19	-1.6	36.7	19	-1.6
F4 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.5	-2.8	-0.8	0	0	0	0	0	0	36.7	-10	-1.7	36.7	-10	-1.7
F4 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	0	0	3528	0	0	4.5	1	0	0	0	0	0	0	0	36.7	4.1	0	36.7	4.1	0
F4 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-3528	0	0	4.5	1	0	0	0	0	0	0	0	36.7	4.1	0	36.7	4.1	0
F4 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	119.1	12.2	0	119.1	12.2	0
F4 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.7	15.2	0	0	0	0	0	0	0	68.2	24	0	68.2	24	0
F4 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.7	-9	0	0	0	0	0	0	0	68.2	-8.5	0	68.2	-8.5	0
F4 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.5	1.5	0	0	0	0	0	0	0	36.7	6	0	36.7	6	0
F4 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.5	1.5	0	0	0	0	0	0	0	40.7	6	0	40.7	6	0
F4 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.5	0.8	0	0	0	0	0	0	0	40.7	3.4	0	40.7	3.4	0
F4 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.3	0.7	27.6	0	0	0	0	0	0	36.7	3.9	0	36.7	3.9	0
F4 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	21.2	2.9	112.1	36.7	3.9	0
F4 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	36.7	3.9	0	21.2	2.9	112.1
F4 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	42.7	4.7	31.8	0	0	0	0	0	0	119.1	12.2	0	119.1	12.2	0
F4 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	102.7	10.8	54.4	119.1	12.2	0
F4 LC20 Angle 3° UBL P2,C NA+	-5	1	0	0	0	50	8825	54.2	5.5	0	0	0	0	0	0	0	119.1	12.2	0	102.7	10.8	54.4
F4 LC21 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	4.5	1	0	0	0	0	0	0	0	36.7	3.9	0	36.7	3.9	0
F4 LC22 Angle 3° Cold,I NA+	-15	0.9	0	0	0	0	0	4.5	1.1	0	0	0	0	0	0	0	36.7	4.5	0	36.7	4.5	0
F7 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	1515	5460	0	0	0	7.2	17.7	0	0	0	0	0	0	0	30.2	41.3	0	30.2	41.3	0
F7 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-1515	-5460	0	0	0	7.2	-10.7	0	0	0	0	0	0	0	30.2	-29.3	0	30.2	-29.3	0
F7 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	1071	3860	3856	0	0	7.2	9.6	-1.5	0	0	0	0	0	0	30.2	22.4	-2.9	30.2	22.4	-2.9
F7 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-1071	-3860	-3856	0	0	7.2	-4.5	-1.6	0	0	0	0	0	0	30.2	-13.8	-3	30.2	-13.8	-3
F7 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	0	0	5454	0	0	7.2	2.1	0	0	0	0	0	0	0	30.2	3.5	0	30.2	3.5	0
F7 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-5454	0	0	7.2	2.1	0	0	0	0	0	0	0	30.2	3.5	0	30.2	3.5	0
F7 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	150.9	14.5	0	150.9	14.5	0
F7 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	45	8825	43.3	21.9	0	0	0	0	0	0	0	86.1	27.5	0	86.1	27.5	0
F7 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	45	8825	43.3	-8.6	0	0	0	0	0	0	0	86.1	-7.8	0	86.1	-7.8	0
F7 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	7.2	2.8	0	0	0	0	0	0	0	30.2	5	0	30.2	5	0
F7 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	11.2	2.8	0	0	0	0	0	0	0	34.2	5	0	34.2	5	0
F7 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	11.2	2	0	0	0	0	0	0	0	34.2	2.9	0	34.2	2.9	0
F7 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	3.7	1.4	53.8	0	0	0	0	0	0	30.2	3.3	0	30.2	3.3	0
F7 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	17.9	2.5	94.1	30.2	3.3	0
F7 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	30.2	3.3	0	17.9	2.5	94.1

F7 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	75	8825	74.4	8.9	59.3	0	0	0	0	0	0	150.9	14.5	0	150.9	14.5	0
F7 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	125.6	12.7	68.9	150.9	14.5	0
F7 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	75	8825	94.7	10.5	0	0	0	0	0	0	0	150.9	14.5	0	125.6	12.7	68.9
F7 LC21 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	7.2	1.9	0	0	0	0	0	0	0	30.2	3.3	0	30.2	3.3	0
F7 LC22 Angle 3° Cold,I NA+	-15	0.9	0	0	0	0	0	7.2	2.2	0	0	0	0	0	0	0	30.2	3.8	0	30.2	3.8	0
F4 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	980	3530	0	0	0	4.7	8.9	0	0	0	0	0	0	0	38.3	31.2	0	38.3	31.2	0
F4 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-980	-3530	0	0	0	4.7	-8.9	0	0	0	0	0	0	0	38.3	-31.2	0	38.3	-31.2	0
F4 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	693	2500	2494	0	0	4.7	4.5	0	0	0	0	0	0	0	38.3	15.9	0	38.3	15.9	0
F4 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.7	-4.5	0	0	0	0	0	0	0	38.3	-15.9	0	38.3	-15.9	0
F4 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	0	0	3528	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-3528	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	125	0	0	125	0	0
F4 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	20.7	13.4	0	0	0	0	0	0	0	71.5	17.9	0	71.5	17.9	0
F4 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	20.7	-13.4	0	0	0	0	0	0	0	71.5	-17.9	0	71.5	-17.9	0
F4 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	54.4	3.9	4.7	54.4	3.9	4.7
F4 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	54.4	3.9	4.7	0	0	0
F4 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	15.9	0.2	1.2	0	0	0	0	0	0	0	0	0	54.4	3.9	4.7
F4 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	8.7	0.4	0	0	0	0	0	0	0	42.3	1.4	0	42.3	1.4	0
F4 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	8.7	-0.4	0	0	0	0	0	0	0	42.3	-1.4	0	42.3	-1.4	0
F4 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	22	0	111.8	38.3	0	0
F4 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	22	0	111.8
F4 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	44.9	0	31.8	0	0	0	0	0	0	125	0	0	125	0	0
F4 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	107.7	0	54.4	125	0	0
F4 LC20 Angle 0° UBL P2,C NA+	-5	1	0	0	0	50	8825	57	0	0	0	0	0	0	0	0	125	0	0	107.7	0	54.4
F4 LC21 Angle 0° EDT,C NA+	0	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F4 LC22 Angle 0° Cold,I NA+	-15	1	0	0	0	0	0	4.7	0	0	0	0	0	0	0	0	38.3	0	0	38.3	0	0
F5 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	1290	4644	0	0	0	4.4	10.4	0	0	0	0	0	0	0	35.8	36.7	0	35.8	36.7	0
F5 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-1290	-4644	0	0	0	4.4	-10.4	0	0	0	0	0	0	0	35.8	-36.7	0	35.8	-36.7	0
F5 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	912	3290	3284	0	0	4.4	5.2	0	0	0	0	0	0	0	35.8	18.7	0	35.8	18.7	0
F5 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.4	-5.2	0	0	0	0	0	0	0	35.8	-18.7	0	35.8	-18.7	0
F5 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	1290	0	4644	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-1290	0	-4644	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	115.8	0	0	115.8	0	0
F5 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	25	8825	19.1	10.9	0	0	0	0	0	0	0	66.5	15.9	0	66.5	15.9	0
F5 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	25	8825	19.1	-10.9	0	0	0	0	0	0	0	66.5	-15.9	0	66.5	-15.9	0
F5 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	54.2	3.9	4.8	54.2	3.9	4.8
F5 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	54.2	3.9	4.8	0	0	0
F5 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.9	45	165	0	0	0	8	0.2	1.2	0	0	0	0	0	0	0	0	0	54.2	3.9	4.8
F5 LC13 Angle 0° Maintenance NA+,I NA+	-30	1	45	165	0	0	0	8.4	0.4	0	0	0	0	0	0	0	39.8	1.3	0	39.8	1.3	0
F5 LC14 Angle 0° Maintenance NA-,I NA-	-30	1	-45	-165	0	0	0	8.4	-0.4	0	0	0	0	0	0	0	39.8	-1.3	0	39.8	-1.3	0
F5 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	2.2	0	27.6	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	20.8	0	112.2	35.8	0	0
F5 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	20.8	0	112.2
F5 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	41.5	0	31.3	0	0	0	0	0	0	115.8	0	0	115.8	0	0
F5 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	99.9	0	53.9	115.8	0	0
F5 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	52.6	0	0	0	0	0	0	0	0	115.8	0	0	99.9	0	53.9
F5 LC21 Angle 0° EDT,C NA+	0	1	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F5 LC22 Angle 0° Cold,I NA+	-15	0.9	0	0	0	0	0	4.4	0	0	0	0	0	0	0	0	35.8	0	0	35.8	0	0
F7 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	1515	5460	0	0	0	7.9	16.1	0	0	0	0	0	0	0	32.5	40.1	0	32.5	40.1	0
F7 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-1515	-5460	0	0	0	7.9	-16.1	0	0	0	0	0	0	0	32.5	-40.1	0	32.5	-40.1	0
F7 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	1071	3860	3856	0	0	7.9	8	0	0	0	0	0	0	0	32.5	20.5	0	32.5	20.5	0
F7 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-1071	-3860	-3856	0	0	7.9	-8	0	0	0	0	0	0	0	32.5	-20.5	0	32.5	-20.5	0
F7 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	0	0	5454	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	0	0	-5454	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	164.1	0	0	164.1	0	0
F7 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	305	610	0	45	8825	47.2	17.4	0	0	0	0	0	0	0	93.5	20.1	0	93.5	20.1	0
F7 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-305	-610	0	45	8825	47.2	-17.4	0	0	0	0	0	0	0	93.5	-20.1	0	93.5	-20.1	0
F7 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	47	3.3	4	47	3.3	4
F7 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	47	3.3	4	0	0	0
F7 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	25.7	0.3	2.4	0	0	0	0	0	0	0	0	0	47	3.3	4
F7 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	11.9	0.5	0	0	0	0	0	0	0	36.5	1.2	0	36.5	1.2	0
F7 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	11.9	-0.5	0	0	0	0	0	0	0	36.5	-1.2	0	36.5	-1.2	0
F7 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	4	0	53.8	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	19.1	0	92.6	32.5	0	0
F7 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	19.1	0	92.6
F7 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	75	8825	81.1	0	59.3	0	0	0	0	0	0	164.1	0	0	164.1	0	0

F7 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	136.5	0	69.3	164.1	0	0
F7 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	75	8825	103.3	0	0	0	0	0	0	0	0	164.1	0	0	136.5	0	69.3
F7 LC21 Angle 0° EDT,C NA+	0	0.9	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F7 LC22 Angle 0° Cold,I NA+	-15	0.9	0	0	0	0	0	7.9	0	0	0	0	0	0	0	0	32.5	0	0	32.5	0	0
F1 LC01 Angle 3° Max Wind,C NA+	-20	0.9	980	3530	0	0	0	3.8	8.6	0	10.9	18	0	10.9	18	0	31.7	29.9	0	31.7	29.9	0
F1 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-980	-3530	0	0	0	3.8	-5.2	0	10.9	-11.7	0	10.9	-11.7	0	31.7	-18.5	0	31.7	-18.5	0
F1 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	693	2500	2494	0	0	3.8	4.7	-0.7	10.9	9.8	-1.3	10.9	9.8	-1.3	31.7	17	-1.6	31.7	17	-1.6
F1 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-693	-2500	-2494	0	0	3.8	-2.1	-0.7	10.9	-5.1	-1.4	10.9	-5.1	-1.4	31.7	-7.8	-1.7	31.7	-7.8	-1.7
F1 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	0	3528	0	0	3.8	1.1	0	10.9	1.9	0	10.9	1.9	0	31.7	4.2	0	31.7	4.2	0
F1 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	0	-3528	0	0	3.8	1.1	0	10.9	1.9	0	10.9	1.9	0	31.7	4.2	0	31.7	4.2	0
F1 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	16.5	12.4	0	29.9	15.9	0	29.9	15.9	0	58.1	21.5	0	58.1	21.5	0
F1 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	16.5	-6.5	0	29.9	-6.8	0	29.9	-6.8	0	58.1	-6.1	0	58.1	-6.1	0
F1 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	3.8	1.5	0	10.9	2.9	0	10.9	2.9	0	31.7	6.2	0	31.7	6.2	0
F1 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	7.8	1.5	0	14.9	3	0	14.9	3	0	35.7	6.2	0	35.7	6.2	0
F1 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	7.8	0.9	0	14.9	1.6	0	14.9	1.6	0	35.7	3.9	0	35.7	3.9	0
F1 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	1.9	0.7	27.6	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	5.7	1.3	51.4	31.7	3.9	0	31.7	3.9	0
F1 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	5.7	1.3	51.4	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	3.9	0
F1 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	18.7	3	112.8
F1 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	5.7	1.3	51.4	31.7	3.9	0	31.7	3.9	0
F1 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	5.7	1.3	51.4	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	3.9	0
F1 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	18.7	3	112.8
F1 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.2	24	18.7	3	112.8	31.7	3.9	0
F1 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.2	24	31.7	3.9	0	18.7	3	112.8
F1 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	2.6	52.6	18.7	3	112.8
F1 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	18.7	3	112.8	31.7	2.6	52.6
F1 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	35.8	4.3	28.3	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC32 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	53.6	6.3	31.8	100.7	11.8	0	100.7	11.8	0
F1 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	53.6	6.3	31.8	65.1	7.1	0	100.7	11.8	0	100.7	11.8	0
F1 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	87	10.5	51	100.7	11.8	0
F1 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	45.4	5.1	0	65.1	7.1	0	65.1	7.1	0	100.7	11.8	0	87	10.5	51
F1 LC36 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	3.8	1	0	10.9	1.8	0	10.9	1.8	0	31.7	3.9	0	31.7	3.9	0
F1 LC37 Angle 3° Cold,I NA+	-30	0.5	0	0	0	0	0	3.8	1.2	0	10.9	2.3	0	10.9	2.3	0	31.7	5	0	31.7	5	0
F2 LC01 Angle 3° Max Wind,C NA+	-20	0.9	2070	7460	0	0	0	4.2	14.6	0	7.9	23.1	0	7.9	23.1	0	19.6	35.7	0	19.6	35.7	0
F2 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-2070	-7460	0	0	0	4.2	-7.6	0	7.9	-16.2	0	7.9	-16.2	0	19.6	-22	0	19.6	-22	0
F2 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	1464	5280	5270	0	0	4.2	8.2	-1.4	7.9	12	-2.4	7.9	12	-2.4	19.6	19.8	-3.8	19.6	19.8	-3.8
F2 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-1464	-5280	-5270	0	0	4.2	-2.8	-1.4	7.9	-7.7	-2.5	7.9	-7.7	-2.5	19.6	-10.2	-3.9	19.6	-10.2	-3.9
F2 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	10	7452	0	0	4.2	2.2	0	7.9	1.3	0	7.9	1.3	0	19.6	3.6	0	19.6	3.6	0
F2 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	-10	-7452	0	0	4.2	2.2	0	7.9	1.3	0	7.9	1.3	0	19.6	3.6	0	19.6	3.6	0
F2 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	970	1950	0	70	4903	28.6	47.9	0	37.4	48.4	0	37.4	48.4	0	53.8	54.1	0	53.8	54.1	0
F2 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-970	-1950	0	70	4903	28.6	-32.3	0	37.4	-34.6	0	37.4	-34.6	0	53.8	-32.6	0	53.8	-32.6	0
F2 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	4.2	3	0	7.9	1.9	0	7.9	1.9	0	19.6	5.6	0	19.6	5.6	0
F2 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.2	3	0	11.9	1.9	0	11.9	1.9	0	23.6	5.6	0	23.6	5.6	0
F2 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.2	2.6	0	11.9	1.1	0	11.9	1.1	0	23.6	4.4	0	23.6	4.4	0
F2 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	2.1	1.4	54	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	4.2	0.9	35.6	19.6	3.1	0	19.6	3.1	0
F2 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	4.2	0.9	35.6	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	3.1	0
F2 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	12.7	2.4	89.8
F2 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	4.2	0.9	35.6	19.6	3.1	0	19.6	3.1	0
F2 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	4.2	0.9	35.6	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	3.1	0
F2 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.1	0.9	36	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	12.7	2.4	89.8
F2 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	0.8	16.6	12.7	2.4	89.8	19.6	3.1	0
F2 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	0.8	16.6	19.6	3.1	0	12.7	2.4	89.8
F2 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	2	41.9	12.7	2.4	89.8
F2 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	12.7	2.4	89.8	19.6	2	41.9
F2 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	135	4903	65.5	8.7	59.1	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC32 Angle 3° UBL E2,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	77.6	8.3	57.2	119.4	14.3	0	119.4	14.3	0

F2 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	77.6	8.3	57.2	98.5	9.8	0	119.4	14.3	0	119.4	14.3	0
F2 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	97	12.6	65.7	119.4	14.3	0
F2 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	85	10.2	0	98.5	9.8	0	98.5	9.8	0	119.4	14.3	0	97	12.6	65.7
F2 LC36 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	4.2	1.9	0	7.9	1.2	0	7.9	1.2	0	19.6	3.1	0	19.6	3.1	0
F2 LC37 Angle 3° Cold,I NA+	-30	0.9	0	0	0	0	0	4.2	2.8	0	7.9	1.5	0	7.9	1.5	0	19.6	5	0	19.6	5	0
F3 LC01 Angle 3° Max Wind,C NA+	-20	0.9	1290	4650	0	0	0	3.7	10.7	0	10.5	22.8	0	10.5	22.8	0	30.8	37.6	0	30.8	37.6	0
F3 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-1290	-4650	0	0	0	3.7	-6.9	0	10.5	-15.4	0	10.5	-15.4	0	30.8	-24.8	0	30.8	-24.8	0
F3 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	912	3290	3284	0	0	3.7	5.8	-1	10.5	12.2	-2	10.5	12.2	-2	30.8	20.8	-2.6	30.8	20.8	-2.6
F3 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-912	-3290	-3284	0	0	3.7	-3	-1	10.5	-7	-2	10.5	-7	-2	30.8	-11.1	-2.6	30.8	-11.1	-2.6
F3 LC05 Angle 3° Max WindL,C BI+	-20	0.9	0	0	4644	0	0	3.7	1.1	0	10.5	2	0	10.5	2	0	30.8	4.1	0	30.8	4.1	0
F3 LC06 Angle 3° Max WindL,C BI-	-20	0.9	0	0	-4644	0	0	3.7	1.1	0	10.5	2	0	10.5	2	0	30.8	4.1	0	30.8	4.1	0
F3 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	16	12.1	0	28.9	15.7	0	28.9	15.7	0	56.3	21	0	56.3	21	0
F3 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	16	-6.3	0	28.9	-6.5	0	28.9	-6.5	0	56.3	-6	0	56.3	-6	0
F3 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	3.7	1.5	0	10.5	3	0	10.5	3	0	30.8	6	0	30.8	6	0
F3 LC13 Angle 3° Maintenance,I NA+	-30	0.5	45	165	0	0	0	7.7	1.5	0	14.5	3.1	0	14.5	3.1	0	34.8	6	0	34.8	6	0
F3 LC14 Angle 3° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	7.7	0.9	0	14.5	1.8	0	14.5	1.8	0	34.8	3.9	0	34.8	3.9	0
F3 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	1.9	0.7	27.6	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	5.5	1.4	52.7	30.8	3.9	0	30.8	3.9	0
F3 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	5.5	1.4	52.7	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	3.9	0
F3 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	18.2	2.9	110.6
F3 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	5.5	1.4	52.7	30.8	3.9	0	30.8	3.9	0
F3 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	5.5	1.4	52.7	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	3.9	0
F3 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	1.9	0.5	18.4	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	18.2	2.9	110.6
F3 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.2	24.6	18.2	2.9	110.6	30.8	3.9	0
F3 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.2	24.6	30.8	3.9	0	18.2	2.9	110.6
F3 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	2.5	51.6	18.2	2.9	110.6
F3 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	18.2	2.9	110.6	30.8	2.5	51.6
F3 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	50	8825	34.6	4.3	27.8	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC32 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	51.7	6.3	31.1	97.5	11.6	0	97.5	11.6	0
F3 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	51.7	6.3	31.1	62.9	7.1	0	97.5	11.6	0	97.5	11.6	0
F3 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	84.2	10.3	50.5	97.5	11.6	0
F3 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	43.9	5	0	62.9	7.1	0	62.9	7.1	0	97.5	11.6	0	84.2	10.3	50.5
F3 LC36 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	3.7	1	0	10.5	1.8	0	10.5	1.8	0	30.8	3.9	0	30.8	3.9	0
F3 LC37 Angle 3° Cold,I NA+	-30	0.5	0	0	0	0	0	3.7	1.2	0	10.5	2.4	0	10.5	2.4	0	30.8	5	0	30.8	5	0
F1 LC01 Angle 0° Max Wind,C NA+	-20	0.9	980	3530	0	0	0	4.6	7.7	0	12.6	16.7	0	12.6	16.7	0	37.2	27.3	0	37.2	27.3	0
F1 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-980	-3530	0	0	0	4.6	-7.7	0	12.6	-16.7	0	12.6	-16.7	0	37.2	-27.3	0	37.2	-27.3	0
F1 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	693	2500	2494	0	0	4.6	3.9	0	12.6	8.3	0	12.6	8.3	0	37.2	13.9	0	37.2	13.9	0
F1 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-693	-2500	-2494	0	0	4.6	-3.9	0	12.6	-8.3	0	12.6	-8.3	0	37.2	-13.9	0	37.2	-13.9	0
F1 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	10	3528	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	-10	-3528	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	20	10.7	0	35.7	12.8	0	35.7	12.8	0	69.3	15.6	0	69.3	15.6	0
F1 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	20	-10.7	0	35.7	-12.8	0	35.7	-12.8	0	69.3	-15.6	0	69.3	-15.6	0
F1 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	27.9	2	2.4	27.9	2	2.4	55.4	4	5	55.4	4	5
F1 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	0	0	0	27.9	2	2.4	55.4	4	5	0	0	0
F1 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	16.2	0.2	1.3	27.9	2	2.4	0	0	0	0	0	0	55.4	4	5
F1 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.6	0.4	0	16.6	0.8	0	16.6	0.8	0	41.2	1.3	0	41.2	1.3	0
F1 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.6	-0.4	0	16.6	-0.8	0	16.6	-0.8	0	41.2	-1.3	0	41.2	-1.3	0
F1 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.3	0	27.6	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	6.3	0	49.4	37.2	0	0	37.2	0	0
F1 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	6.3	0	49.4	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	0
F1 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	21.5	0	112
F1 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	6.3	0	49.4	37.2	0	0	37.2	0	0
F1 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	6.3	0	49.4	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	0
F1 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	0	37.2	0	0	21.5	0	112
F1 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	23	21.5	0	112	37.2	0	0
F1 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	23	37.2	0	0	21.5	0	112
F1 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	52.3	21.5	0	112
F1 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	21.5	0	112	37.2	0	52.3
F1 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.3	0	27.6	12.6	0	0	12.6	0	23	37.2	0	52.3	37.2	0	0

F1 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	6.3	0	49.4	37.2	0	52.3	37.2	0	0
F1 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	18.4	12.6	0	0	12.6	0	23	21.5	0	112	37.2	0	0
F1 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	43.4	0	28.3	78.3	0	0	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC32 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	64.4	0	32.1	120.9	0	0	120.9	0	0
F1 LC33 Angle 0° UBL E2,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	64.4	0	32.1	78.3	0	0	120.9	0	0	120.9	0	0
F1 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	104.3	0	51	120.9	0	0
F1 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	55.1	0	0	78.3	0	0	78.3	0	0	120.9	0	0	104.3	0	51
F1 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F1 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.6	0	0	12.6	0	0	12.6	0	0	37.2	0	0	37.2	0	0
F2 LC01 Angle 0° Max Wind,C NA+	-20	0.9	2070	7460	0	0	0	4.5	12.5	0	8.1	21.9	0	8.1	21.9	0	20.8	32.4	0	20.8	32.4	0
F2 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-2070	-7460	0	0	0	4.5	-12.5	0	8.1	-21.9	0	8.1	-21.9	0	20.8	-32.4	0	20.8	-32.4	0
F2 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	1464	5280	5270	0	0	4.5	6.3	0	8.1	11	0	8.1	11	0	20.8	16.8	0	20.8	16.8	0
F2 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-1464	-5280	-5270	0	0	4.5	-6.3	0	8.1	-11	0	8.1	-11	0	20.8	-16.8	0	20.8	-16.8	0
F2 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	0	7452	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	0	-7452	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	970	1950	0	70	4903	30.9	45.6	0	39.9	46.9	0	39.9	46.9	0	57.7	49.1	0	57.7	49.1	0
F2 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-970	-1950	0	70	4903	30.9	-45.6	0	39.9	-46.9	0	39.9	-46.9	0	57.7	-49.1	0	57.7	-49.1	0
F2 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	21.2	1.4	1.5	21.2	1.4	1.5	47.2	3.7	5	47.2	3.7	5
F2 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	0	0	0	21.2	1.4	1.5	47.2	3.7	5	0	0	0
F2 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.8	21.2	1.4	1.5	0	0	0	0	0	0	47.2	3.7	5
F2 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.5	0.3	0	12.1	0.5	0	12.1	0.5	0	24.8	0.7	0	24.8	0.7	0
F2 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.5	-0.3	0	12.1	-0.5	0	12.1	-0.5	0	24.8	-0.7	0	24.8	-0.7	0
F2 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.3	0	54	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	4	0	34.9	20.8	0	0	20.8	0	0
F2 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	4	0	34.9	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	0
F2 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	13.2	0	89.8
F2 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	4	0	34.9	20.8	0	0	20.8	0	0
F2 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	4	0	34.9	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	0
F2 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	0	20.8	0	0	13.2	0	89.8
F2 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	16.3	13.2	0	89.8	20.8	0	0
F2 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	16.3	20.8	0	0	13.2	0	89.8
F2 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	41.9	13.2	0	89.8
F2 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	13.2	0	89.8	20.8	0	41.9
F2 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.3	0	54	8.1	0	0	8.1	0	16.3	20.8	0	41.9	20.8	0	0
F2 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	4	0	34.9	20.8	0	41.9	20.8	0	0
F2 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.3	0	36	8.1	0	0	8.1	0	16.3	13.2	0	89.8	20.8	0	0
F2 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	135	4903	70.8	0	59.2	105.9	0	0	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC32 Angle 0° UBL E2,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	83.3	0	57.3	128.5	0	0	128.5	0	0
F2 LC33 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	83.3	0	57.3	105.9	0	0	128.5	0	0	128.5	0	0
F2 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	104.4	0	65.8	128.5	0	0
F2 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	91.8	0	0	105.9	0	0	105.9	0	0	128.5	0	0	104.4	0	65.8
F2 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F2 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.5	0	0	8.1	0	0	8.1	0	0	20.8	0	0	20.8	0	0
F3 LC01 Angle 0° Max Wind,C NA+	-20	0.9	1290	4650	0	0	0	4.6	11.4	0	12.8	24.5	0	12.8	24.5	0	37.5	40	0	37.5	40	0
F3 LC02 Angle 0° Max Wind,C NA-	-20	0.9	-1290	-4650	0	0	0	4.6	-11.4	0	12.8	-24.5	0	12.8	-24.5	0	37.5	-40	0	37.5	-40	0
F3 LC03 Angle 0° Max Wind 45°,C BI+	-20	0.9	912	3290	3284	0	0	4.6	5.7	0	12.8	12.3	0	12.8	12.3	0	37.5	20.4	0	37.5	20.4	0
F3 LC04 Angle 0° Max Wind 45°,C BI-	-20	0.9	-912	-3290	-3284	0	0	4.6	-5.7	0	12.8	-12.3	0	12.8	-12.3	0	37.5	-20.4	0	37.5	-20.4	0
F3 LC05 Angle 0° Max WindL,C BI+	-20	0.9	0	10	4644	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC06 Angle 0° Max WindL,C BI-	-20	0.9	0	-10	-4644	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	122	0	0	122	0	0
F3 LC08 Angle 0° Wind+ice,C NA+	-5	0.9	305	610	0	25	8825	20.2	12	0	36	14.4	0	36	14.4	0	69.8	17.4	0	69.8	17.4	0
F3 LC09 Angle 0° Wind+ice,C NA-	-5	0.9	-305	-610	0	25	8825	20.2	-12	0	36	-14.4	0	36	-14.4	0	69.8	-17.4	0	69.8	-17.4	0
F3 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	28.4	2.1	2.5	28.4	2.1	2.5	55	4	5	55	4	5
F3 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	0	0	0	28.4	2.1	2.5	55	4	5	0	0	0
F3 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	8	0.2	1.3	28.4	2.1	2.5	0	0	0	0	0	0	55	4	5
F3 LC13 Angle 0° Maintenance,I NA+	-30	0.5	45	165	0	0	0	8.6	0.4	0	16.8	0.9	0	16.8	0.9	0	41.5	1.4	0	41.5	1.4	0
F3 LC14 Angle 0° Maintenance,I NA-	-30	0.5	-45	-165	0	0	0	8.6	-0.4	0	16.8	-0.9	0	16.8	-0.9	0	41.5	-1.4	0	41.5	-1.4	0
F3 LC15 Angle 0° BR G D,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC16 Angle 0° BR E1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	6.4	0	50.6	37.5	0	0	37.5	0	0
F3 LC17 Angle 0° BR E2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	6.4	0	50.6	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC18 Angle 0° BR P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	0
F3 LC19 Angle 0° BR P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	21.6	0	110.2
F3 LC20 Angle 0° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	6.4	0	50.6	37.5	0	0	37.5	0	0
F3 LC21 Angle 0° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	6.4	0	50.6	12.8	0	0	37.5	0	0	37.5	0	0

F3 LC22 Angle 0° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	0
F3 LC23 Angle 0° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	0	37.5	0	0	21.6	0	110.2
F3 LC24 Angle 0° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	23.6	21.6	0	110.2	37.5	0	0
F3 LC25 Angle 0° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	23.6	37.5	0	0	21.6	0	110.2
F3 LC26 Angle 0° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	51.4	21.6	0	110.2
F3 LC27 Angle 0° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	21.6	0	110.2	37.5	0	51.4
F3 LC28 Angle 0° BR G D+E1+P1,C NA+	0	1	0	0	0	0	0	2.4	0	27.6	12.8	0	0	12.8	0	23.6	37.5	0	51.4	37.5	0	0
F3 LC29 Angle 0° BR G+E1 D+P1,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	6.4	0	50.6	37.5	0	51.4	37.5	0	0
F3 LC30 Angle 0° BR G+E1+P1 D,C NA+	0	1	0	0	0	0	0	2.4	0	18.4	12.8	0	0	12.8	0	23.6	21.6	0	110.2	37.5	0	0
F3 LC31 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	50	8825	43.8	0	27.8	79	0	0	79	0	0	122	0	0	122	0	0
F3 LC32 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	64.9	0	31.4	122	0	0	122	0	0
F3 LC33 Angle 0° UBL E1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	64.9	0	31.4	79	0	0	122	0	0	122	0	0
F3 LC34 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	105.1	0	50.5	122	0	0
F3 LC35 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	50	8825	55.6	0	0	79	0	0	79	0	0	122	0	0	105.1	0	50.5
F3 LC36 Angle 0° EDT,C NA+	0	0.5	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F3 LC37 Angle 0° Cold,I NA+	-30	0.5	0	0	0	0	0	4.6	0	0	12.8	0	0	12.8	0	0	37.5	0	0	37.5	0	0
F12 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	2450	8820	0	0	0	5.9	24.2	0	0	0	0	0	0	0	25.8	57.9	0	25.8	57.9	0
F12 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-2450	-8820	0	0	0	5.9	-14.9	0	0	0	0	0	0	0	25.8	-40.4	0	25.8	-40.4	0
F12 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	1733	6240	6240	0	0	5.9	13	-2.2	0	0	0	0	0	0	25.8	31	-5.8	25.8	31	-5.8
F12 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-1733	-6240	-6240	0	0	5.9	-6.4	-2.3	0	0	0	0	0	0	25.8	-19.6	-5.9	25.8	-19.6	-5.9
F12 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	2450	0	8820	0	0	5.9	2.5	0	0	0	0	0	0	0	25.8	3.8	0	25.8	3.8	0
F12 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	-2450	0	-8820	0	0	5.9	2.5	0	0	0	0	0	0	0	25.8	3.8	0	25.8	3.8	0
F12 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	115	4903	92.4	10.6	0	0	0	0	0	0	0	135.4	14.6	0	135.4	14.6	0
F12 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	1135	2270	0	60	4903	32.8	70.5	0	0	0	0	0	0	0	64.6	79.4	0	64.6	79.4	0
F12 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-1135	-2270	0	60	4903	32.8	-52.2	0	0	0	0	0	0	0	64.6	-55	0	64.6	-55	0
F12 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	5.9	3.4	0	0	0	0	0	0	0	25.8	5.7	0	25.8	5.7	0
F12 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	5.9	3.4	0	0	0	0	0	0	0	25.8	5.7	0	25.8	5.7	0
F12 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	5.9	3.4	0	0	0	0	0	0	0	25.8	5.7	0	25.8	5.7	0
F12 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	9.9	3.5	0	0	0	0	0	0	0	29.8	5.7	0	29.8	5.7	0
F12 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	9.9	2.8	0	0	0	0	0	0	0	29.8	3.9	0	29.8	3.9	0
F12 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	3	1.7	63.7	0	0	0	0	0	0	25.8	3.5	0	25.8	3.5	0
F12 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	5.9	2.2	0	0	0	0	0	0	0	15.7	2.6	100.1	25.8	3.5	0
F12 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	5.9	2.2	0	0	0	0	0	0	0	25.8	3.5	0	15.7	2.6	100.1
F12 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	115	4903	71.7	9.1	59.5	0	0	0	0	0	0	135.4	14.6	0	135.4	14.6	0
F12 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	115	4903	92.4	10.6	0	0	0	0	0	0	0	111.2	12.9	66.3	135.4	14.6	0
F12 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	115	4903	92.4	10.6	0	0	0	0	0	0	0	135.4	14.6	0	111.2	12.9	66.3
F12 LC21 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	5.9	2.2	0	0	0	0	0	0	0	25.8	3.5	0	25.8	3.5	0
F12 LC22 Angle 3° Cold,I NA+	-38	0.9	0	0	0	0	0	5.9	3.3	0	0	0	0	0	0	0	25.8	5	0	25.8	5	0
F9 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	3460	12460	0	0	0	5.2	30.3	0	0	0	0	0	0	0	23.3	73.8	0	23.3	73.8	0
F9 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-3460	-12460	0	0	0	5.2	-18.6	0	0	0	0	0	0	0	23.3	-50.7	0	23.3	-50.7	0
F9 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	2450	8820	8820	0	0	5.2	16.4	-2.7	0	0	0	0	0	0	23.3	40	-8.6	23.3	40	-8.6
F9 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-2250	-8820	-8820	0	0	5.2	-7.8	-2.8	0	0	0	0	0	0	23.3	-24.4	-8.7	23.3	-24.4	-8.7
F9 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	3460	0	12460	0	0	5.2	3.3	0	0	0	0	0	0	0	23.3	4.6	0	23.3	4.6	0
F9 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	-3460	0	-12460	0	0	5.2	3.3	0	0	0	0	0	0	0	23.3	4.6	0	23.3	4.6	0
F9 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	115	4903	81.1	10.4	0	0	0	0	0	0	0	119.5	14.6	0	119.5	14.6	0
F9 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	1580	5320	0	60	4903	28.8	86.2	0	0	0	0	0	0	0	57.4	97.2	0	57.4	97.2	0
F9 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-1580	-5320	0	60	4903	28.8	-64.9	0	0	0	0	0	0	0	57.4	-69	0	57.4	-69	0
F9 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	5.2	4.3	0	0	0	0	0	0	0	23.3	7.2	0	23.3	7.2	0
F9 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	5.2	4.3	0	0	0	0	0	0	0	23.3	7.2	0	23.3	7.2	0
F9 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	5.2	4.3	0	0	0	0	0	0	0	23.3	7.2	0	23.3	7.2	0
F9 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	9.2	4.4	0	0	0	0	0	0	0	27.3	7.2	0	27.3	7.2	0
F9 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	9.2	3.8	0	0	0	0	0	0	0	27.3	5.6	0	27.3	5.6	0
F9 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.7	2.2	83.1	0	0	0	0	0	0	23.3	4	0	23.3	4	0
F9 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	5.2	2.9	0	0	0	0	0	0	0	14.5	3	113.7	23.3	4	0
F9 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	5.2	2.9	0	0	0	0	0	0	0	23.3	4	0	14.5	3	113.7
F9 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	115	4903	63	9	54.1	0	0	0	0	0	0	119.5	14.6	0	119.5	14.6	0
F9 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	115	4903	81.1	10.4	0	0	0	0	0	0	0	98.3	13	59	119.5	14.6	0
F9 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	115	4903	81.1	10.4	0	0	0	0	0	0	0	119.5	14.6	0	98.3	13	59
F9 LC21 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	5.2	2.9	0	0	0	0	0	0	0	23.3	4	0	23.3	4	0
F9 LC22 Angle 3° Cold,I NA+	-38	0.9	0	0	0	0	0	5.2	4.3	0	0	0	0	0	0	0	23.3	6.8	0	23.3	6.8	0
F6 LC01 Angle 3° Max Wind, NA+,C NA+	-20	0.9	3460	12460	0	0	0	5	27.2	0	0	0	0	0	0	0	22.4	67.9	0	22.4	67.9	0
F6 LC02 Angle 3° Max Wind, NA-,C NA-	-20	0.9	-3460	-12460	0	0	0	5	-18.5	0	0	0	0	0	0	0	22.4	-49.1	0	22.4	-49.1	0
F6 LC03 Angle 3° Max Wind 45°, BI+,C BI+	-20	0.9	2450	8820	8820	0	0	5	14	-3.1	0	0	0	0	0	0	22.4	36.2	-7.5	22.4	36.2	-7.5
F6 LC04 Angle 3° Max Wind 45°, BI-,C BI-	-20	0.9	-2450	-8820	-8820	0	0	5	-8.6	-3.1	0	0	0	0	0	0	22.4	-24.5	-7.6	22.4	-24.5	-7.6
F6 LC05 Angle 3° Max Wind,L, BI+,C BI+	-20	0.9	3460	0	12460	0	0	5	1.5	0	0	0	0	0	0	0	22.4	3	0	22.4	3	0
F6 LC06 Angle 3° Max Wind,L, BI-,C BI-	-20	0.9	-3460	0	-12460	0	0	5	1.5	0	0	0	0	0	0	0	22.4	3	0	22.4	3	0
F6 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	135	4903	102	10.6	0	0	0	0	0	0	0	142.1	14.6	0	142.1	14.6	0

F6 LC08 Angle 3° Wind+ice, NA+,C NA+	-5	0.9	1580	3160	0	70	4903	34.3	90.7	0	0	0	0	0	0	0	63.5	99.6	0	63.5	99.6	0
F6 LC09 Angle 3° Wind+ice, NA-,C NA-	-5	0.9	-1580	-3160	0	70	4903	34.3	-70.6	0	0	0	0	0	0	0	63.5	-73.2	0	63.5	-73.2	0
F6 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	5	1.9	0	0	0	0	0	0	0	22.4	4.4	0	22.4	4.4	0
F6 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	5	1.9	0	0	0	0	0	0	0	22.4	4.4	0	22.4	4.4	0
F6 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	5	1.9	0	0	0	0	0	0	0	22.4	4.4	0	22.4	4.4	0
F6 LC13 Angle 3° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	9	2	0	0	0	0	0	0	0	26.4	4.4	0	26.4	4.4	0
F6 LC14 Angle 3° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	9	1.4	0	0	0	0	0	0	0	26.4	3	0	26.4	3	0
F6 LC15 Angle 3° BR G D,,C NA+	0	1	0	0	0	0	0	2.5	1	37.3	0	0	0	0	0	0	22.4	2.8	0	22.4	2.8	0
F6 LC16 Angle 3° BR P1 D,,C NA+	0	1	0	0	0	0	0	5	1.3	0	0	0	0	0	0	0	14.1	2.1	79.7	22.4	2.8	0
F6 LC17 Angle 3° BR P2 D,,C NA+	0	1	0	0	0	0	0	5	1.3	0	0	0	0	0	0	0	22.4	2.8	0	14.1	2.1	79.7
F6 LC18 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	135	4903	78.6	8.8	65.6	0	0	0	0	0	0	142.1	14.6	0	142.1	14.6	0
F6 LC19 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	102	10.6	0	0	0	0	0	0	0	115.4	12.6	73.3	142.1	14.6	0
F6 LC20 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	102	10.6	0	0	0	0	0	0	0	142.1	14.6	0	115.4	12.6	73.3
F6 LC21 Angle 3° EDT,C NA+	0	0.9	0	0	0	0	0	5	1.3	0	0	0	0	0	0	0	22.4	2.8	0	22.4	2.8	0
F6 LC22 Angle 3° Cold,I NA+	-38	0.9	0	0	0	0	0	5	1.8	0	0	0	0	0	0	0	22.4	3.9	0	22.4	3.9	0
F6 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	3460	12460	0	0	0	5.8	24.8	0	0	0	0	0	0	0	25.2	63.8	0	25.2	63.8	0
F6 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-3460	-12460	0	0	0	5.8	-24.8	0	0	0	0	0	0	0	25.2	-63.8	0	25.2	-63.8	0
F6 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	2447	8808	8808	0	0	5.8	12.4	0	0	0	0	0	0	0	25.2	33	0	25.2	33	0
F6 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-2247	-8808	-8808	0	0	5.8	-12.4	0	0	0	0	0	0	0	25.2	-33	0	25.2	-33	0
F6 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	3460	0	12460	0	0	5.8	0	0	0	0	0	0	0	0	25.2	0	0	25.2	0	0
F6 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-3460	0	-12460	0	0	5.8	0	0	0	0	0	0	0	0	25.2	0	0	25.2	0	0
F6 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	135	4903	119	0	0	0	0	0	0	0	0	164.9	0	0	164.9	0	0
F6 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	1580	3160	0	70	4903	40	88.1	0	0	0	0	0	0	0	73.1	94.7	0	73.1	94.7	0
F6 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-1580	-3160	0	70	4903	40	-88.1	0	0	0	0	0	0	0	73.1	-94.7	0	73.1	-94.7	0
F6 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	26.5	0.2	2.7	0	0	0	0	0	0	41.7	2.9	3.7	41.7	2.9	3.7
F6 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	26.5	0.2	2.7	0	0	0	0	0	0	41.7	2.9	3.7	0	0	0
F6 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	26.5	0.2	2.7	0	0	0	0	0	0	0	0	0	41.7	2.9	3.7
F6 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	9.8	0.3	0	0	0	0	0	0	0	29.2	0.8	0	29.2	0.8	0
F6 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	9.8	-0.3	0	0	0	0	0	0	0	29.2	-0.8	0	29.2	-0.8	0
F6 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	2.9	0	74.8	0	0	0	0	0	0	25.2	0	0	25.2	0	0
F6 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	5.8	0	0	0	0	0	0	0	0	15.5	0	102	25.2	0	0
F6 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	5.8	0	0	0	0	0	0	0	0	25.2	0	0	15.5	0	102
F6 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	135	4903	91.7	0	64.1	0	0	0	0	0	0	164.9	0	0	164.9	0	0
F6 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	135	4903	119	0	0	0	0	0	0	0	0	133.6	0	66.2	164.9	0	0
F6 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	135	4903	119	0	0	0	0	0	0	0	0	164.9	0	0	133.6	0	66.2
F6 LC21 Angle 0° EDT,C NA+	0	0.9	0	0	0	0	0	5.8	0	0	0	0	0	0	0	0	25.2	0	0	25.2	0	0
F6 LC22 Angle 0° Cold,I NA+	-38	0.9	0	0	0	0	0	5.8	0	0	0	0	0	0	0	0	25.2	0	0	25.2	0	0
F9 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	3460	12460	0	0	0	6.3	28.2	0	0	0	0	0	0	0	26.9	71.6	0	26.9	71.6	0
F9 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-3460	-12460	0	0	0	6.3	-28.2	0	0	0	0	0	0	0	26.9	-71.6	0	26.9	-71.6	0
F9 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	2447	8808	8808	0	0	6.3	14.1	0	0	0	0	0	0	0	26.9	36.9	0	26.9	36.9	0
F9 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-2250	-8820	-8820	0	0	6.3	-14.1	0	0	0	0	0	0	0	26.9	-36.9	0	26.9	-36.9	0
F9 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	3460	0	12460	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F9 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-3460	0	-12460	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F9 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	142.6	0	0	142.6	0	0
F9 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	1580	5320	0	60	4903	34.6	87.5	0	0	0	0	0	0	0	67.9	96.4	0	67.9	96.4	0
F9 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-1580	-3160	0	60	4903	34.6	-87.5	0	0	0	0	0	0	0	67.9	-96.4	0	67.9	-96.4	0
F9 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	26.4	0.2	2.7	0	0	0	0	0	0	53.6	4.1	5.5	53.6	4.1	5.5
F9 LC11 Angle 0° TD G+E1+P1,I NA-	-30	0.5	45	165	0	0	0	26.4	0.2	2.7	0	0	0	0	0	0	53.6	4.1	5.5	0	0	0
F9 LC12 Angle 0° TD G+E2+P2,C NA+	0	1	45	165	0	0	0	26.4	0.2	2.7	0	0	0	0	0	0	0	0	0	53.6	4.1	5.5
F9 LC13 Angle 0° Maintenance NA+,C NA+	0	1	45	165	0	0	0	6.3	0	0	0	0	0	0	0	0	16.3	0	112.5	26.9	0	0
F9 LC14 Angle 0° Maintenance NA-,C NA+	0	1	-45	-165	0	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	16.3	0	112.5
F9 LC15 Angle 0° BR G D,,C NA+	-5	0.9	0	0	0	115	4903	75.7	0	54.2	0	0	0	0	0	0	142.6	0	0	142.6	0	0
F9 LC16 Angle 0° BR P1 D,,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	117.1	0	59.3	142.6	0	0
F9 LC17 Angle 0° BR P2 D,,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	142.6	0	0	117.1	0	59.3
F9 LC18 Angle 0° UBL G,C NA+	0	0.9	0	0	0	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F9 LC19 Angle 0° UBL P1,I NA+	-38	0.9	0	0	0	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F12 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	2450	8820	0	0	0	6.6	21.2	0	0	0	0	0	0	0	28	53.4	0	28	53.4	0
F12 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-2450	-8820	0	0	0	6.6	-21.2	0	0	0	0	0	0	0	28	-53.4	0	28	-53.4	0
F12 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	1733	6240	6240	0	0	6.6	10.6	0	0	0	0	0	0	0	28	27.4	0	28	27.4	0
F12 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-1733	-6240	-6240	0	0	6.6	-10.6	0	0	0	0	0	0	0	28	-27.4	0	28	-27.4	0
F12 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	2450	0	8820	0	0	6.6	0	0	0	0	0	0	0	0	28	0	0	28	0	0
F12 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-2450	0	-8820	0	0	6.6	0	0	0	0	0	0	0	0	28	0	0	28	0	0
F12 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	115	4903	102.7	0	0	0	0	0	0	0	0	149.8	0	0	149.8	0	0
F12 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	1135	2270	0	60	4903	36.4	66.7	0	0	0	0	0	0	0	71.2	73.4	0	71.2	73.4	0
F12 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-1135	-2270	0	60	4903	36.4	-66.7	0	0	0	0	0	0	0	71.2	-73.4	0	71.2	-73.4	0
F12 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	25.8	6.9	2.7	0	0	0	0	0	0	50.2	13.7	5.2	50.2	13.7	5.2
F12 LC11 Angle 0° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	25.8	6.9	2.7	0	0	0	0	0	0	50.2	13.7	5.2	0	0	0

F12 LC12 Angle 0° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	25.8	6.9	2.7	0	0	0	0	0	0	0	0	0	50.2	13.7	5.2
F12 LC13 Angle 0° Maintenance NA+,I NA+	-30	0.5	45	165	0	0	0	10.6	0.4	0	0	0	0	0	0	0	0	32	1	0	32	1	0
F12 LC14 Angle 0° Maintenance NA-,I NA-	-30	0.5	-45	-165	0	0	0	10.6	-0.4	0	0	0	0	0	0	0	0	32	-1	0	32	-1	0
F12 LC15 Angle 0° BR G D,,C NA+	0	1	0	0	0	0	0	3.3	0	61	0	0	0	0	0	0	0	28	0	0	28	0	0
F12 LC16 Angle 0° BR P1 D,,C NA+	0	1	0	0	0	0	0	6.6	0	0	0	0	0	0	0	0	0	16.9	0	98.1	28	0	0
F12 LC17 Angle 0° BR P2 D,,C NA+	0	1	0	0	0	0	0	6.6	0	0	0	0	0	0	0	0	0	28	0	0	16.9	0	98.1
F12 LC18 Angle 0° UBL G,C NA+	-5	0.9	0	0	0	115	4903	79.7	0	59.7	0	0	0	0	0	0	0	149.8	0	0	149.8	0	0
F12 LC19 Angle 0° UBL P1,C NA+	-5	0.9	0	0	0	115	4903	102.7	0	0	0	0	0	0	0	0	0	123	0	66.9	149.8	0	0
F12 LC20 Angle 0° UBL P2,C NA+	-5	0.9	0	0	0	115	4903	102.7	0	0	0	0	0	0	0	0	0	149.8	0	0	123	0	66.9
F12 LC21 Angle 0° EDT,C NA+	0	0.9	0	0	0	0	0	6.6	0	0	0	0	0	0	0	0	0	28	0	0	28	0	0
F12 LC22 Angle 0° Cold,I NA+	-38	0.9	0	0	0	0	0	6.6	0	0	0	0	0	0	0	0	0	28	0	0	28	0	0
F11 LC01 Angle 0° Max Wind, NA+,C NA+	-20	0.9	2070	7452	0	0	0	6.3	28.2	0	0	0	0	0	0	0	0	26.9	71.6	0	26.9	71.6	0
F11 LC02 Angle 0° Max Wind, NA-,C NA-	-20	0.9	-2070	-7542	0	0	0	6.3	-28.2	0	0	0	0	0	0	0	0	26.9	-71.6	0	26.9	-71.6	0
F11 LC03 Angle 0° Max Wind 45°, BI+,C BI+	-20	0.9	1467	5270	5270	0	0	6.3	14.1	0	0	0	0	0	0	0	0	26.9	36.9	0	26.9	36.9	0
F11 LC04 Angle 0° Max Wind 45°, BI-,C BI-	-20	0.9	-1467	-5270	-5270	0	0	6.3	-14.1	0	0	0	0	0	0	0	0	26.9	-36.9	0	26.9	-36.9	0
F11 LC05 Angle 0° Max Wind,L, BI+,C BI+	-20	0.9	2070	0	7452	0	0	6.3	0	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F11 LC06 Angle 0° Max Wind,L, BI-,C BI-	-20	0.9	-2070	0	-7542	0	0	6.3	0	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F11 LC07 Angle 0° Max ice,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	0	142.6	0	0	142.6	0	0
F11 LC08 Angle 0° Wind+ice, NA+,C NA+	-5	0.9	970	1940	0	60	4903	34.6	87.5	0	0	0	0	0	0	0	0	67.9	96.4	0	67.9	96.4	0
F11 LC09 Angle 0° Wind+ice, NA-,C NA-	-5	0.9	-970	-1940	0	60	4903	34.6	-87.5	0	0	0	0	0	0	0	0	67.9	-96.4	0	67.9	-96.4	0
F11 LC10 Angle 0° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	26.5	0.2	2.7	29.7	2.1	2.7	29.7	2.1	2.7	49.4	3.7	5	49.4	3.7	5
F11 LC11 Angle 0° TD G+E1+P1,I NA-	-30	0.5	45	165	0	0	0	26.5	0.2	2.7	0	0	0	29.7	2.1	2.7	49.4	3.7	5	0	0	0
F11 LC12 Angle 0° TD G+E2+P2,C NA+	0	0.5	45	165	0	0	0	26.5	0.2	2.7	29.7	2.1	2.7	0	0	0	0	0	0	49.4	3.7	5
F11 LC15 Angle 0° BR G D,,C NA+	-5	0.9	0	0	0	115	4903	75.7	0	54.2	0	0	0	0	0	0	142.6	0	0	142.6	0	0
F11 LC16 Angle 0° BR P1 D,,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	117.1	0	59.3	142.6	0	0
F11 LC17 Angle 0° BR P2 D,,C NA+	-5	0.9	0	0	0	115	4903	97.5	0	0	0	0	0	0	0	0	142.6	0	0	117.1	0	59.3
F11 LC18 Angle 0° UBL G,C NA+	0	0.9	0	0	0	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F11 LC19 Angle 0° UBL P1,I NA+	-38	0.9	0	0	0	0	0	6.3	0	0	0	0	0	0	0	0	26.9	0	0	26.9	0	0
F11 LC01 Angle 3° Max Wind,C NA+	-20	0.9	2070	7452	0	0	0	5	16.5	0	9.4	27.5	0	9.4	27.5	0	22.4	40.2	0	22.4	40.2	0
F11 LC02 Angle 3° Max Wind,C NA-	-20	0.9	-2070	-7542	0	0	0	5	-9.2	0	9.4	-17.9	0	9.4	-17.9	0	22.4	-25.7	0	22.4	-25.7	0
F11 LC03 Angle 3° Max Wind 45°,C BI+	-20	0.9	1467	5270	5270	0	0	5	9.1	-1.6	9.4	14.6	-3.1	9.4	14.6	-3.1	22.4	22.1	-4.2	22.4	22.1	-4.2
F11 LC04 Angle 3° Max Wind 45°,C BI-	-20	0.9	-1467	-5270	-5270	0	0	5	-3.7	-1.6	9.4	-8.2	-3.1	9.4	-8.2	-3.1	22.4	-12	-4.2	22.4	-12	-4.2
F11 LC05 Angle 3° Max WindL,C BI+	-20	0.9	2070	0	7452	0	0	5	2.2	0	9.4	2.1	0	9.4	2.1	0	22.4	3.7	0	22.4	3.7	0
F11 LC06 Angle 3° Max WindL,C BI-	-20	0.9	-2070	0	-7542	0	0	5	2.2	0	9.4	2.1	0	9.4	2.1	0	22.4	3.7	0	22.4	3.7	0
F11 LC07 Angle 3° Max ice,C NA+	-5	0.9	0	0	0	115	4903	77	9.3	0	91.4	9.9	0	91.4	9.9	0	113.8	13.5	0	113.8	13.5	0
F11 LC08 Angle 3° Wind+ice,C NA+	-5	0.9	970	1940	0	60	4903	27.3	48.3	0	36.9	50.4	0	36.9	50.4	0	54.8	55.7	0	54.8	55.7	0
F11 LC09 Angle 3° Wind+ice,C NA-	-5	0.9	-970	-1940	0	60	4903	27.3	-33	0	36.9	-35	0	36.9	-35	0	54.8	-34.5	0	54.8	-34.5	0
F11 LC10 Angle 3° TD G+E1+E2+P1+P2,I NA+	-30	0.5	45	165	0	0	0	5	2.9	0	9.4	3.2	0	9.4	3.2	0	22.4	5.7	0	22.4	5.7	0
F11 LC11 Angle 3° TD G+E1+P1,I NA+	-30	0.5	45	165	0	0	0	5	2.9	0	9.4	3.2	0	9.4	3.2	0	22.4	5.7	0	22.4	5.7	0
F11 LC12 Angle 3° TD G+E2+P2,I NA+	-30	0.5	45	165	0	0	0	5	2.9	0	9.4	3.2	0	9.4	3.2	0	22.4	5.7	0	22.4	5.7	0
F11 LC15 Angle 3° BR G D,C NA+	0	1	0	0	0	0	0	2.5	1.4	54	9.4	1.9	0	9.4	1.9	0	22.4	3.3	0	22.4	3.3	0
F11 LC16 Angle 3° BR E1 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	4.9	1.4	54.3	22.4	3.3	0	22.4	3.3	0
F11 LC17 Angle 3° BR E2 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	4.9	1.4	54.3	9.4	1.9	0	22.4	3.3	0	22.4	3.3	0
F11 LC18 Angle 3° BR P1 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.9	0	14	2.5	94.8	22.4	3.3	0
F11 LC19 Angle 3° BR P2 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.9	0	22.4	3.3	0	14	2.5	94.8
F11 LC20 Angle 3° BR G+E1 D,C NA+	0	1	0	0	0	0	0	2.5	0.9	36	9.4	1.9	0	4.9	1.4	54.3	22.4	3.3	0	22.4	3.3	0
F11 LC21 Angle 3° BR G+P1 D,C NA+	0	1	0	0	0	0	0	2.5	0.9	36	4.9	1.4	54.3	9.4	1.9	0	22.4	3.3	0	22.4	3.3	0
F11 LC22 Angle 3° BR G+E2 D,C NA+	0	1	0	0	0	0	0	2.5	0.9	36	9.4	1.9	0	9.4	1.9	0	14	2.5	94.8	22.4	3.3	0
F11 LC23 Angle 3° BR G+P2 D,C NA+	0	1	0	0	0	0	0	2.5	0.9	36	9.4	1.9	0	9.4	1.9	0	22.4	3.3	0	14	2.5	94.8
F11 LC24 Angle 3° BR E1+P1 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.2	25.4	14	2.5	94.8	22.4	3.3	0
F11 LC25 Angle 3° BR E2+P2 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.2	25.4	22.4	3.3	0	14	2.5	94.8
F11 LC26 Angle 3° BR P1+P2 D,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.9	0	22.4	2.2	44.2	14	2.5	94.8
F11 LC27 Angle 3° BR P1 D+P2,C NA+	0	1	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.9	0	14	2.5	94.8	22.4	2.2	44.2
F11 LC31 Angle 3° UBL G,C NA+	-5	0.9	0	0	0	115	4903	59.8	8	52.6	91.4	9.9	0	91.4	9.9	0	113.8	13.5	0	113.8	13.5	0
F11 LC32 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	115	4903	77	9.3	0	91.4	9.9	0	72.7	8.6	49.3	113.8	13.5	0	113.8	13.5	0
F11 LC33 Angle 3° UBL E1,C NA+	-5	0.9	0	0	0	115	4903	77	9.3	0	72.7	8.6	49.3	91.4	9.9	0	113.8	13.5	0	113.8	13.5	0
F11 LC34 Angle 3° UBL P1,C NA+	-5	0.9	0	0	0	115	4903	77	9.3	0	91.4	9.9	0	91.4	9.9	0	93.6	11.9	61.2	113.8	13.5	0
F11 LC35 Angle 3° UBL P2,C NA+	-5	0.9	0	0	0	115	4903	77	9.3	0	91.4	9.9	0	91.4	9.9	0	113.8	13.5	0	93.6	11.9	61.2
F11 LC36 Angle 3° EDT,C NA+	0	0.5	0	0	0	0	0	5	1.9	0	9.4	1.9	0	9.4	1.9	0	22.4	3.3	0	22.4	3.3	0
F11 LC37 Angle 3° Cold,I NA+	-30	0.5	0	0	0	0	0	5	2.7	0	9.4	2.7	0	9.4	2.7	0	22.4	5	0	22.4	5	0

STRUCTURE TYPE: LATTICE ANGLE TOWER C1			WIND ON STRUCTURE AND CABLES			ICE ON STRUCTURES AND CABLES		POINTS OF LOADING ATTACHMENT																							
LINE DEFLECTION: 0° TO 30°								G			E2			E2b			E1			E1b			P1			P1b			P2			P2b		
LOAD COMBINATION	TEMP. (°C)	STRENGTH FACTOR	WIND ON CABLE (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC1 F3 MAX. TRANS WIND ANGLE 30 NA+	-20	0.8	1290	4644	0	0	0	4.6	27.8	0	8.3	27.6	64	8.3	27.6	-64	8.3	27.6	64	8.3	27.6	-64	25.4	47.4	113.7	25.4	47.4	-113.7	25.4	47.4	113.7	25.4	47.4	-113.7
LC2 F3 MAX. TRANS WIND ANGLE 30 NA-	-20	0.8	-1290	-4644	0	0	0	4.6	9.8	0	8.3	8	68.9	8.3	8	-68.9	8.3	8	68.9	8.3	8	-68.9	25.4	15.5	121.3	25.4	15.5	-121.3	25.4	15.5	121.3	25.4	15.5	-121.3
LC3 F3 MAX. LONG WIND ANGLE 30 NA+	-20	0.8	1290	0	4644	0	0	4.6	27.8	0	8.3	27.6	64	8.3	27.6	-64	8.3	27.6	64	8.3	27.6	-64	25.4	47.4	113.7	25.4	47.4	-113.7	25.4	47.4	113.7	25.4	47.4	-113.7
LC4 F3 MAX. LONG WIND ANGLE 30 NA-	-20	0.8	-1290	0	-4644	0	0	4.6	9.8	0	8.3	8	68.9	8.3	8	-68.9	8.3	8	68.9	8.3	8	-68.9	25.4	15.5	121.3	25.4	15.5	-121.3	25.4	15.5	121.3	25.4	15.5	-121.3
LC5 F3 45° OBLIQUE WIND ANGLE 30 BI+	-20	0.8	912	3284	3284	0	0	4.6	18.4	-8.4	8.3	13.1	37.7	8.3	22.4	-54.3	8.3	13.1	37.7	8.3	22.4	-54.3	25.4	26.1	78.5	25.4	39.3	-99.3	25.4	26.1	78.5	25.4	39.3	-99.3
LC6 F3 45° OBLIQUE WIND ANGLE 30 BI-	-20	0.8	912	-3284	-3284	0	0	4.6	9.2	-9.5	8.3	7.5	39	8.3	7.7	-57.9	8.3	7.5	39	8.3	7.7	-57.9	25.4	16.5	80.4	25.4	15.5	-105	25.4	16.5	80.4	25.4	15.5	-105
LC7 F1 MAX. ICE ANGLE 30	-5	0.8	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC8 F1 WIND + ICE ANGLE 30 NA+	-5	0.8	305	610	0	25	8825	20.8	38.2	0	20.5	27.5	80.1	20.5	27.5	-80.1	20.5	27.5	80.1	20.5	27.5	-80.1	42.5	44.3	137.8	42.5	44.3	-137.8	42.5	44.3	137.8	42.5	44.3	-137.8
LC9 F1 WIND + ICE ANGLE 30 NA-	-5	0.8	-305	-610	0	25	8825	20.8	19.7	0	20.5	16.2	83	20.5	16.2	-83	20.5	16.2	83	20.5	16.2	-83	42.5	30.5	141.3	42.5	30.5	-141.3	42.5	30.5	141.3	42.5	30.5	-141.3
LC10 F1 TD G + E1 + E2 + P1 + P2 ANGLE 30	-30	0.5	45	162	0	0	0	24	27	3	27	25	3	0	0	0	27	25	3	0	0	0	56	52	6	0	0	0	56	52	6	0	0	0
LC11 F1 TD G + E2 + P2 ANGLE 30	-30	0.5	45	162	0	0	0	24	27	3	27	25	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	52	6	0	0	0
LC12 F1 TD G + E1 + P1 ANGLE 30	-30	0.5	45	162	0	0	0	24	27	3	0	0	0	0	0	0	27	25	3	0	0	0	56	52	6	0	0	0	0	0	0	0	0	0
LC13 F3 MAINTENANCE ANGLE 30	-30	0.5	45	162	0	0	0	8.6	12.5	0	10.3	11.5	41.8	10.3	11.5	-41.8	10.3	11.5	41.8	10.3	11.5	-41.8	27.4	24.9	90.8	27.4	24.9	-90.8	27.4	24.9	90.8	27.4	24.9	-90.8
LC14 F3 BR G ANGLE 30	0	0.8	0	0	0	0	0	2.3	4.8	-17.7	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	25.4	19	-71	25.4	19	71	25.4	19	-71
LC15 F3 BR P1 ANGLE 30	0	0.8	0	0	0	0	0	4.6	9.5	0	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	9.3	0	0	25.4	19	-71	25.4	19	71	25.4	19	-71
LC16 F3 BR P2 ANGLE 30	0	0.8	0	0	0	0	0	4.6	9.5	0	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	25.4	19	-71	9.3	0	0	25.4	19	-71
LC17 F3 BR G + P1 ANGLE 30	0	0.8	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	9.3	0	0	25.4	19	71	25.4	19	-71
LC18 F3 BR G + P2 ANGLE 30	0	0.8	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	25.4	19	-71	25.4	19	71	9.3	0	0
LC19 F3 BR P1 + P2 ANGLE 30	0	0.8	0	0	0	0	0	4.6	9.5	0	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	9.3	0	0	25.4	19	71	9.3	0	0
LC20 F3 BR P1 + E1 ANGLE 30	0	0.8	0	0	0	0	0	4.6	9.5	0	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	1.9	0	0	25.4	19	71	9.3	0	0	25.4	19	71	25.4	19	-71
LC21 F3 BR G + E1 ANGLE 30	0	0.8	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	1.9	0	0	25.4	19	71	25.4	19	-71	25.4	19	71	25.4	19	-71
LC22 F3 BR G + E2 + E1 + P2 + P1 ANGLE 30	0	0.8	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	1.9	0	0	8.3	8.7	32.5	1.9	0	0	25.4	19	71	9.3	0	0	25.4	19	71	9.3	0	0
LC23 F3 BR G D + E2 + E1 + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	2.3	9.5	35.5	8.3	8.7	32.5	1.9	0	0	8.3	8.7	32.5	1.9	0	0	25.4	19	71	9.3	0	0	25.4	19	71	9.3	0	0
LC24 F3 BR G + E2 D +E1 + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	2.3	4.8	17.7	8.3	17.4	65	1.9	0	0	8.3	8.7	32.5	1.9	0	0	25.4	19	71	9.3	0	0	25.4	19	71	9.3	0	0
LC25 F3 BR G + E2 + E1 D + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	1.9	0	0	8.3	17.4	65	1.9	0	0	25.4	19	71	9.3	0	0	25.4	19	71	9.3	0	0
LC26 F3 BR G + E2 + E1 + P2 D + P1 ANGLE 30	0	1	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	1.9	0	0	8.3	8.7	32.5	1.9	0	0	25.4	19	71	9.3	0	0	25.4	38	141.9	9.3	0	0
LC27 F3 BR G + E2 + E1 + P2 + P1 D ANGLE 30	0	1	0	0	0	0	0	2.3	4.8	17.7	8.3	8.7	32.5	1.9	0	0	8.3	8.7	32.5	1.9	0	0	25.4	38	141.9	9.3	0	0	25.4	19	71	9.3	0	0
LC28 F1 UBL G ANGLE 30	-5	0.8	0	0	0	50	8825	31.1	29.9	75.4	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC29 F1 UBL E1 ANGLE 30	-5	0.8	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	8.5	8.6	-32	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC30 F1 UBL P1 ANGLE 30	-5	0.8	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	25.7	19.5	-72.6	69.5	58	216.3	69.5	58	-216.3
LC31 F1 UBL G + E1 ANGLE 30	-5	0.8	0	0	0	50	8825	31.1	29.9	75.4	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	8.5	8.6	-32	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC32 F1 UBL G + E1 + P1 ANGLE 30	-5	0.8	0	0	0	50	8825	31.1	29.9	75.4	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	8.5	8.6	-32	69.5	58	216.3	25.7	19.5	-72.6	69.5	58	216.3	69.5	58	-216.3
LC33 F1 UBL G + E1 + E2 + P1 + P2 ANGLE 30	-5	0.8	0	0	0	50	8825	31.1	29.9	75.4	42.8	34.6	129.1	8.5	8.6	-32	42.8	34.6	129.1	8.5	8.6	-32	69.5	58	216.3	25.7	19.5	-72.6	69.5	58	216.3	25.7	19.5	-72.6
LC34 F1 EXTREME UBL G ANGLE 30	-5	1	0	0	0	50	8825	28.7	25.1	93.5	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC35 F1 EXTREME UBL P1 ANGLE 30	-5	1	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	9.3	0	0	69.5	58	216.3	69.5	58	-216.3
LC36 F1 EXTREME UBL P2 ANGLE 30	-5	1	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	9.3	0	0
LC37 F1 EXTREME UBL E2 ANGLE 30	-5	1	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	1.9	0	0	42.8	34.6	129.1	42.8	34.6	-129.1	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC38 F1 EXTREME UBL E1 ANGLE 30	-5	1	0	0	0	50	8825	57.4	50.1	0	42.8	34.6	129.1	42.8	34.6	-129.1	42.8	34.6	129.1	1.9	0	0	69.5	58	216.3	69.5	58	-216.3	69.5	58	216.3	69.5	58	-216.3
LC39 F3 EDT ANGLE 30	0	0.8	0	0	0	0	0	4.6	9.5	0	8.3	8.7	32.5	8.3	8.7	-32.5	8.3	8.7	32.5	8.3	8.7	-32.5	25.4	19	71	25.4	19	-71	25.4	19	71	25.4	19	-71
LC40 F3 COLD ANGLE 30	-30	0.8	0	0	0	0	0	4.6	12.2	0	8.3	11.2	41.8	8.3	11.2	-41.8	8.3	11.2	41.8	8.3	11.2	-41.8	25.4	24.3	90.8	25.4	24.3	-90.8	25.4	24.3	90.8	25.4	24.3	-90.8
LC41 F3 MAX. TRANS WIND VS MIN. ANGLE 30 NA+	-20	0.8	1290	4644	0	0	0	-1.8	27.8	0	-0.7	28.3	66.4	-0.7	28.3	-66.4	-0.7	28.3	66.4	-0.7	28.3	-66.4	2.7	47.6	114.5	2.7	47.6	-114.5	2.7	47.6	114.5	2.7	47.6	-114.5
LC42 F3 MAX. TRANS WIND VS MIN. ANGLE 30 NA-	-20	0.8	-1290	-4644	0	0	0	-1.8	9.9	0	-0.7	8.6	71.3	-0.7	8.6	-71.3	-0.7	8.6	71.3	-0.7	8.6	-71.3	2.7	15.8	122.1	2.7	15.8	-122.1	2.7	15.8	122.1	2.7	15.8	-122.1
LC43 F3 MAX. LONG WIND VS MIN. ANGLE 30 NA+	-20	0.8	1290	0	4644	0	0	-1.8	27.8	0	-0.7	28.3	66.4	-0.7	28.3	-66.4	-0.7	28.3	66.4	-0.7	28.3	-66.4	2.7	47.6	114.5	2.7	47.6	-114.5	2.7	47.6	114.5	2.7	47.6	-114.5
LC44 F3 MAX. LONG WIND VS MIN. ANGLE 30 NA-	-20	0.8	-1290	0	-4644	0	0	-1.8	9.9	0	-0.7	8.6	71.3	-0.7	8.6	-71.3	-0.7	8.6	71.3	-0.7	8.6	-71.3	2.7	15.8	122.1	2.7	15.8	-122.1	2.7	15.8	122.1	2.7	15.8	-122.1
LC45 F3 45° OBLIQUE WIND VS MIN. ANGLE 30 BI+	-20	0.8	912	3284	3284	0	0	-1.8	18.5	-8.4	-0.7	13.6	39.7	-0.7	23	-56.5	-0.7	13.6	39.7	-0.7	23	-56.5	2.7	26.2	79.1	2.7	39.5	-100.1	2.7	26.2	79.1	2.7	39.5	-100.1
LC46 F3 45° OBLIQUE WIND VS MIN. ANGLE 30 BI-	-20	0.8	912	-3284	-3284	0	0	-1.8	9.3	-9.5	-0.7	8	40.9	-0.7	8.3	-60.2	-0.7	8	40.9	-0.7	8.3	-60.2	2.7	16.7	81	2.7	15.7	-105.8	2.7	16.7	81	2.7	15.7	-105.8
LC47 F1 MAX. ICE VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC48 F1 WIND + ICE VS MIN. ANGLE 30 NA+	-5	0.8	305	610	0	25	8825	-8.1	38.2	0	-5.4	28.7	84.7	-5.4	28.7	-84.7	-5.4	28.7	84.7	-5.4	28.7	-84.7	-3.6	44.5	138.7	-3.6	44.5	-138.7	-3.6	44.5	138.7	-3.6	44.5	-138.7
LC49 F1 WIND + ICE VS MIN. ANGLE 30 NA-	-5	0.8	-305	-610	0	25	8825	-8.1	19.7	0	-5.4	17.5	87.6	-5.4	17.5	-87.6	-5.4	17.5	87.6	-5.4	17.5	-87.6	-3.6	30.8	142.2	-3.6	30.8	-142.2	-3.6	30.8	142.2	-3.6	30.8	-142.2
LC50 F1 MAINTENANCE VS MIN. ANGLE 30	-30	0.5	45	162	0	0	0	2.2	12.5	0	1.3	12.4	44.9	1.3	12.4	-44.9	1.3	12.4	44.9	1.3	12.4	-44.9	4.9	25.2	91.8	4.9	25.2	-91.8	4.9	25.2	91.8	4.9	25.2	-91.8
LC51 F1 BR G VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-0.9	4.8	-17.9	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	2.9	19.3	-72.1	2.9	19.3	72.1	2.9	19.3	-72.1
LC52 F1 BR P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.6	0	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	9.3	0	0	2.9	19.3	-72.1	2.9	19.3	72.1	2.9	19.3	-72.1
LC53 F1 BR P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.6	0	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	2.9	19.3	-72.1	9.3	0	0	2.9	19.3	-72.1
LC54 F1 BR G + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	2.9	19.3	-72.1
LC55 F1 BR G + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	2.9	19.3	-72.1	2.9	19.3	72.1	9.3	0	0
LC56 F1 BR P1 +P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.6	0	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC57 F1 BR P1 +E1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.6	0	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	2.9	19.3	-72.1
LC58 F1 BR G + E1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	2.9	19.3	-72.1	2.9	19.3	72.1	2.9	19.3	-72.1
LC59 F1 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	1.9	0	0	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC60 F1 BR G D +E2 + E1 + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-0.9	9.6	35.7	-0.7	9.2	34.3	1.9	0	0	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC61 F1 BR G + E2 D +E1 + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-0.9	4.8	17.9	-0.7	18.4	68.6	1.9	0	0	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC62 F1 BR G + E2 + E1 D +P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	1.9	0	0	-0.7	18.4	68.6	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC63 F1 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	1.9	0	0	-0.7	9.2	34.3	1.9	0	0	2.9	19.3	72.1	9.3	0	0	2.9	38.6	144.2	9.3	0	0
LC64 F1 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 30	0	1	0	0	0	0	0	-0.9	4.8	17.9	-0.7	9.2	34.3	1.9	0	0	-0.7	9.2	34.3	1.9	0	0	2.9	38.6	144.2	9.3	0	0	2.9	19.3	72.1	9.3	0	0
LC65 F1 UBL G VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-12.1	30	75.4	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC66 F1 UBL E1 VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-0.7	9.4	-34.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC67 F1 UBL P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	2.9	19.6	-73.2	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC68 F1 UBL G + E1 VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-12.1	30	75.4	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	2.9	19.6	-73.2	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC69 F1 UBL G + E1 + P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-12.1	30	75.4	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-0.7	9.4	-34.9	-14.2	58.2	217.3	2.9	19.6	-73.2	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC70 F1 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	50	8825	-12.1	30	75.4	-14	35.6	132.9	-0.7	9.4	-34.9	-14	35.6	132.9	-0.7	9.4	-34.9	-14.2	58.2	217.3	2.9	19.6	-73.2	-14.2	58.2	217.3	2.9	19.6	-73.2
LC71 F1 EXTREME UBL G VS MIN. ANGLE 30	-5	1	0	0	0	50	8825	-11.2	25.1	93.6	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3

LC72 F1 EXTREME UBL P1 VS MIN. ANGLE 30	-5	1	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	9.3	0	0	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC73 F1 EXTREME UBL P2 VS MIN. ANGLE 30	-5	1	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	9.3	0	0
LC74 F1 EXTREME UBL E2 VS MIN. ANGLE 30	-5	1	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	1.9	0	0	-14	35.6	132.9	-14	35.6	-132.9	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC75 F1 EXTREME UBL E1 VS MIN. ANGLE 30	-5	1	0	0	0	50	8825	-22.3	50.2	0	-14	35.6	132.9	-14	35.6	-132.9	-14	35.6	132.9	1.9	0	0	-14.2	58.2	217.3	-14.2	58.2	-217.3	-14.2	58.2	217.3	-14.2	58.2	-217.3
LC76 F1 EDT VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.6	0	-0.7	9.2	34.3	-0.7	9.2	-34.3	-0.7	9.2	34.3	-0.7	9.2	-34.3	2.9	19.3	72.1	2.9	19.3	-72.1	2.9	19.3	72.1	2.9	19.3	-72.1
LC77 F3 COLD VS MIN. ANGLE 30	-30	0.8	0	0	0	0	0	-1.8	12.3	0	-0.7	12	44.9	-0.7	12	-44.9	-0.7	12	44.9	-0.7	12	-44.9	2.7	24.6	91.9	2.7	24.6	-91.9	2.7	24.6	91.9	2.7	24.6	-91.9
LC78 F3 MAX. TRANS WIND ANGLE 0 NA+	-20	0.8	1290	4644	0	0	0	4.6	9.3	0	8.3	10.2	68.8	8.3	10.2	-68.8	8.3	10.2	68.8	8.3	10.2	-68.8	25.4	16.4	121.6	25.4	16.4	-121.6	25.4	16.4	121.6	25.4	16.4	-121.6
LC79 F3 MAX. TRANS WIND ANGLE 0 NA-	-20	0.8	-1290	-4644	0	0	0	4.6	-9.3	0	8.3	-10.2	68.8	8.3	-10.2	-68.8	8.3	-10.2	68.8	8.3	-10.2	-68.8	25.4	-16.4	121.6	25.4	-16.4	-121.6	25.4	-16.4	121.6	25.4	-16.4	-121.6
LC80 F3 MAX. LONG WIND ANGLE 0 NA+	-20	0.8	1290	0	4644	0	0	4.6	9.3	0	8.3	10.2	68.8	8.3	10.2	-68.8	8.3	10.2	68.8	8.3	10.2	-68.8	25.4	16.4	121.6	25.4	16.4	-121.6	25.4	16.4	121.6	25.4	16.4	-121.6
LC81 F3 MAX. LONG WIND ANGLE 0 NA-	-20	0.8	-1290	0	-4644	0	0	4.6	-9.3	0	8.3	-10.2	68.8	8.3	-10.2	-68.8	8.3	-10.2	68.8	8.3	-10.2	-68.8	25.4	-16.4	121.6	25.4	-16.4	-121.6	25.4	-16.4	121.6	25.4	-16.4	-121.6
LC82 F3 45° OBLIQUE WIND ANGLE 0 Bl+	-20	0.8	912	3284	3284	0	0	4.6	4.7	0	8.3	5.2	47.9	8.3	5.2	-47.9	8.3	5.2	47.9	8.3	5.2	-47.9	25.4	8.6	92	25.4	8.6	-92	25.4	8.6	92	25.4	8.6	-92
LC83 F3 45° OBLIQUE WIND ANGLE 0 Bl-	-20	0.8	912	-3284	-3284	0	0	4.6	-4.7	0	8.3	-5.2	47.9	8.3	-5.2	-47.9	8.3	-5.2	47.9	8.3	-5.2	-47.9	25.4	-8.6	92	25.4	-8.6	-92	25.4	-8.6	92	25.4	-8.6	-92
LC84 F1 MAX. ICE ANGLE 0	-5	0.8	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC85 F1 WIND + ICE ANGLE 0 NA+	-5	0.8	305	610	0	25	8825	20.8	9.6	0	20.5	5.8	84.4	20.5	5.8	-84.4	20.5	5.8	84.4	20.5	5.8	-84.4	42.5	7.1	144.5	42.5	7.1	-144.5	42.5	7.1	144.5	42.5	7.1	-144.5
LC86 F1 WIND + ICE ANGLE 0 NA-	-5	0.8	-305	-610	0	25	8825	20.8	-9.6	0	20.5	-5.8	84.4	20.5	-5.8	-84.4	20.5	-5.8	84.4	20.5	-5.8	-84.4	42.5	-7.1	144.5	42.5	-7.1	-144.5	42.5	-7.1	144.5	42.5	-7.1	-144.5
LC87 F3 MAINTENANCE ANGLE 0	-30	0.5	45	162	0	0	0	8.6	0.3	0	10.3	0.3	43.4	10.3	0.3	-43.4	10.3	0.3	43.4	10.3	0.3	-43.4	27.4	0.6	94.1	27.4	0.6	-94.1	27.4	0.6	94.1	27.4	0.6	-94.1
LC88 F3 BR G ANGLE 0	0	0.8	0	0	0	0	0	2.3	0	-18.4	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	25.4	0	-73.5	25.4	0	73.5	25.4	0	-73.5
LC89 F3 BR P1 ANGLE 0	0	0.8	0	0	0	0	0	4.6	0	0	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	9.3	0	0	25.4	0	-73.5	25.4	0	73.5	25.4	0	-73.5
LC90 F3 BR P2 ANGLE 0	0	0.8	0	0	0	0	0	4.6	0	0	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	25.4	0	-73.5	9.3	0	0	25.4	0	-73.5
LC91 F3 BR G + P1 ANGLE 0	0	0.8	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	9.3	0	0	25.4	0	73.5	25.4	0	-73.5
LC92 F3 BR G + P2 ANGLE 0	0	0.8	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	25.4	0	-73.5	25.4	0	73.5	9.3	0	0
LC93 F3 BR P1 + P2 ANGLE 0	0	0.8	0	0	0	0	0	4.6	0	0	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	9.3	0	0	25.4	0	73.5	9.3	0	0
LC94 F3 BR P1 + E1 ANGLE 0	0	0.8	0	0	0	0	0	4.6	0	0	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	73.5	25.4	0	-73.5
LC95 F3 BR G + E1 ANGLE 0	0	0.8	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	1.9	0	0	25.4	0	73.5	25.4	0	-73.5	25.4	0	73.5	25.4	0	-73.5
LC96 F3 BR G + E2 + E1 + P2 + P1 ANGLE 0	0	0.8	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	1.9	0	0	8.3	0	33.6	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	73.5	9.3	0	0
LC97 F3 BR G D +E2 + E1 + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	2.3	0	36.7	8.3	0	33.6	1.9	0	0	8.3	0	33.6	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	73.5	9.3	0	0
LC98 F3 BR G + E2 D + E1 + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	2.3	0	18.4	8.3	0	67.3	1.9	0	0	8.3	0	33.6	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	73.5	9.3	0	0
LC99 F3 BR G + E2 + E1 D + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	1.9	0	0	8.3	0	67.3	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	73.5	9.3	0	0
LC100 F3 BR G + E2 + E1 + P2 D +P1 ANGLE 0	0	1	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	1.9	0	0	8.3	0	33.6	1.9	0	0	25.4	0	73.5	9.3	0	0	25.4	0	146.9	9.3	0	0
LC101 F3 BR G + E2 + E1 + P2 + P1 D ANGLE 0	0	1	0	0	0	0	0	2.3	0	18.4	8.3	0	33.6	1.9	0	0	8.3	0	33.6	1.9	0	0	25.4	0	146.9	9.3	0	0	25.4	0	73.5	9.3	0	0
LC102 F1 UBL G ANGLE 0	-5	0.8	0	0	0	50	8825	31.1	0	78.1	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC103 F1 UBL E1 ANGLE 0	-5	0.8	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	8.5	0	-33.1	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC104 F1 UBL P1 ANGLE 0	-5	0.8	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	25.7	0	-75.2	69.5	0	223.9	69.5	0	-223.9
LC105 F1 UBL G + P1 ANGLE 0	-5	0.8	0	0	0	50	8825	31.1	0	78.1	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	25.7	0	-75.2	69.5	0	223.9	69.5	0	-223.9
LC106 F1 UBL G + E1 + P1 ANGLE 0	-5	0.8	0	0	0	50	8825	31.1	0	78.1	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	8.5	0	-33.1	69.5	0	223.9	25.7	0	-75.2	69.5	0	223.9	69.5	0	-223.9
LC107 F1 UBL G + E1 + E2 + P1 + P2 ANGLE 0	-5	0.8	0	0	0	50	8825	31.1	0	78.1	42.8	0	133.7	8.5	0	-33.1	42.8	0	133.7	8.5	0	-33.1	69.5	0	223.9	25.7	0	-75.2	69.5	0	223.9	25.7	0	-75.2
LC108 F1 EXTREME UBL G ANGLE 0	-5	1	0	0	0	50	8825	28.7	0	96.8	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC109 F1 EXTREME UBL P1 ANGLE 0	-5	1	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	9.3	0	0	69.5	0	223.9	69.5	0	-223.9
LC110 F1 EXTREME UBL P2 ANGLE 0	-5	1	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	9.3	0	0
LC111 F1 EXTREME UBL E2 ANGLE 0	-5	1	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	1.9	0	0	42.8	0	133.7	42.8	0	-133.7	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC112 F1 EXTREME UBL E1 ANGLE 0	-5	1	0	0	0	50	8825	57.4	0	0	42.8	0	133.7	42.8	0	-133.7	42.8	0	133.7	1.9	0	0	69.5	0	223.9	69.5	0	-223.9	69.5	0	223.9	69.5	0	-223.9
LC113 F3 EDT ANGLE 0	0	0.8	0	0	0	0	0	4.6	0	0	8.3	0	33.6	8.3	0	-33.6	8.3	0	33.6	8.3	0	-33.6	25.4	0	73.5	25.4	0	-73.5	25.4	0	73.5	25.4	0	-73.5
LC114 F3 COLD ANGLE 0	-30	0.8	0	0	0	0	0	4.6	0	0	8.3	0	43.3	8.3	0	-43.3	8.3	0	43.3	8.3	0	-43.3	25.4	0	94	25.4	0	-94	25.4	0	94	25.4	0	-94
LC115 F3 MAX. TRANS WIND VS MIN. ANGLE 0 NA+	-20	0.8	1290	4644	0	0	0	-1.8	9.3	0	-0.7	10.2	71.3	-0.7	10.2	-71.3	-0.7	10.2	71.3	-0.7	10.2	-71.3	2.7	16.4	122.5	2.7	16.4	-122.5	2.7	16.4	122.5	2.7	16.4	-122.5
LC116 F3 MAX. TRANS WIND VS MIN. ANGLE 0 NA-	-20	0.8	-1290	-4644	0	0	0	-1.8	-9.3	0	-0.7	-10.2	71.3	-0.7	-10.2	-71.3	-0.7	-10.2	71.3	-0.7	-10.2	-71.3	2.7	-16.4	122.5	2.7	-16.4	-122.5	2.7	-16.4	122.5	2.7	-16.4	-122.5
LC117 F3 MAX. LONG WIND VS MIN. ANGLE 0 NA+	-20	0.8	1290	0	4644	0	0	-1.8	9.3	0	-0.7	10.2	71.3	-0.7	10.2	-71.3	-0.7	10.2	71.3	-0.7	10.2	-71.3	2.7	16.4	122.5	2.7	16.4	-122.5	2.7	16.4	122.5	2.7	16.4	-122.5
LC118 F3 MAX. LONG WIND VS MIN. ANGLE 0 NA-	-20	0.8	-1290	0	-4644	0	0	-1.8	-9.3	0	-0.7	-10.2	71.3	-0.7	-10.2	-71.3	-0.7	-10.2	71.3	-0.7	-10.2	-71.3	2.7	-16.4	122.5	2.7	-16.4	-122.5	2.7	-16.4	122.5	2.7	-16.4	-122.5
LC119 F3 45° OBLIQUE WIND VS MIN. ANGLE 0 Bl+	-20	0.8	912	3284	3284	0	0	-1.8	4.7	0	-0.7	5.2	50.1	-0.7	5.2	-50.1	-0.7	5.2	50.1	-0.7	5.2	-50.1	2.7	8.6	92.8	2.7	8.6	-92.8	2.7	8.6	92.8	2.7	8.6	-92.8
LC120 F3 45° OBLIQUE WIND VS MIN. ANGLE 0 Bl-	-20	0.8	-912	-3284	-3284	0	0	-1.8	-4.7	0	-0.7	-5.2	50.1	-0.7	-5.2	-50.1	-0.7	-5.2	50.1	-0.7	-5.2	-50.1	2.7	-8.6	92.8	2.7	-8.6	-92.8	2.7	-8.6	92.8	2.7	-8.6	-92.8
LC121 F1 MAX. ICE VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	-14.2	0	-225	-14.2	0	225	-14.2	0	-225
LC122 F1 WIND + ICE VS MIN. ANGLE 0 NA+	-5	0.8	305	610	0	25	8825	-8.1	9.6	0	-5.4	5.8	89.2	-5.4	5.8	-89.2	-5.4	5.8	89.2	-5.4	5.8	-89.2	-3.6	7.1	145.4	-3.6	7.1	-145.4	-3.6	7.1	145.4	-3.6	7.1	-145.4
LC123 F1 WIND + ICE VS MIN. ANGLE 0 NA-	-5	0.8	-305	-610	0	25	8825	-8.1	-9.6	0	-5.4	-5.8	89.2	-5.4	-5.8	-89.2	-5.4	-5.8	89.2	-5.4	-5.8	-89.2	-3.6	-7.1	145.4	-3.6	-7.1	-145.4	-3.6	-7.1	145.4	-3.6	-7.1	-145.4
LC124 F1 MAINTENANCE VS MIN. ANGLE 0	-30	0.5	45	162	0	0	0	2.2	0.3	0	1.3	0.3	46.6	1.3	0.3	-46.6	1.3	0.3	46.6	1.3	0.3	-46.6	4.9	0.6	95.2	4.9	0.6	-95.2	4.9	0.6	95.2	4.9	0.6	-95.2
LC125 F1 BR G VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-0.9	0	-18.5	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	2.9	0	74.6	2.9	0	-74.6	2.9	0	74.6	2.9	0	-74.6
LC126 F1 BR P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	0	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	9.3	0	0	2.9	0	-74.6	2.9	0	74.6	2.9	0	-74.6
LC127 F1 BR P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	0	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	2.9	0	74.6	2.9	0	-74.6	9.3	0	0	2.9	0	-74.6
LC128 F1 BR G + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	2.9	0	74.6	9.3	0	0	2.9	0	74.6	2.9	0	-74.6
LC129 F1 BR G + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	2.9	0	74.6	2.9	0	-74.6	2.9	0	74.6	9.3	0	0
LC130 F1 BR P1 + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	0	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	-0.7	0	-35.5	2.9	0	74.6	9.3	0	0	2.9	0	74.6	9.3	0	0
LC131 F1 BR P1 +E1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	0	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	74.6	2.9	0	-74.6
LC132 F1 BR G + E1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	-0.7	0	-35.5	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	2.9	0	-74.6	2.9	0	74.6	2.9	0	-74.6
LC133 F1 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	1.9	0	0	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	74.6	9.3	0	0
LC134 F1 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-0.9	0	37	-0.7	0	35.5	1.9	0	0	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	74.6	9.3	0	0
LC135 F1 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-0.9	0	18.5	-0.7	0	71	1.9	0	0	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	74.6	9.3	0	0
LC136 F1 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	1.9	0	0	-0.7	0	71	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	74.6	9.3	0	0
LC137 F1 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	1.9	0	0	-0.7	0	35.5	1.9	0	0	2.9	0	74.6	9.3	0	0	2.9	0	149.3	9.3	0	0
LC138 F1 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 0	0	1	0	0	0	0	0	-0.9	0	18.5	-0.7	0	35.5	1.9	0	0	-0.7	0	35.5	1.9	0	0	2.9	0	149.3	9.3	0	0	2.9	0	74.6	9.3	0	0
LC139 F1 UBL G VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-12.1	0	78.1	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	-14.2	0	-225	-14.2	0	225	-14.2	0	-225
LC140 F1 UBL E1 VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-0.7	0	-36.2	-14.2	0	225	-14.2	0	-225	-14.2	0	225	-14.2	0	-225
LC141 F1 UBL P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	2.9	0	-75.8	-14.2	0	225	-14.2	0	-225
LC142 F1 UBL G + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-12.1	0	78.1	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	2.9	0	-75.8	-14.2	0	225	-14.2	0	-225
LC143 F1 UBL G + E1 + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-12.1	0	78.1	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-0.7	0	-36.2	-14.2	0	225	2.9	0	-75.8	-14.2	0	225	-14.2	0	-225
LC144 F1 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	50	8825	-12.1	0	78.1	-14	0	137.6	-0.7	0	-36.2	-14	0	137.6	-0.7	0	-36.2	-14.2	0	225	2.9	0	-75.8	-14.2	0	225	2.9	0	-75.8
LC145 F1 EXTREME UBL G VS MIN. ANGLE 0	-5	1	0	0	0	50	8825	-11.2	0	96.9	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	-14.2	0	-225	-14.2	0	225	-14.2	0	-225
LC146 F1 EXTREME UBL P1 VS MIN. ANGLE 0	-5	1	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	9.3	0	0	-14.2	0	225	-14.2	0	-225
LC147 F1 EXTREME UBL P2 VS MIN. ANGLE 0	-5	1	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	-14	0	-137.6	-14	0	137.6	-14	0	-137.6	-14.2	0	225	-14.2	0	-225	-14.2	0	225	9.3	0	0
LC148 F1 EXTREME UBL E2 VS MIN. ANGLE 0	-5	1	0	0	0	50	8825	-22.3	0	0	-14	0	137.6	1.9	0	0	-14	0	137.6	-14	0	-137.6	-14.2	0	225	-14.2	0	-225	-

LC151 F1 COLD VS MIN. ANGLE 0	-30	0.8	0	0	0	0	0	-1.8	0	0	-0.7	0	46.5	-0.7	0	-46.5	-0.7	0	46.5	-0.7	0	-46.5	2.9	0	95.2	2.9	0	-95.2	2.9	0	95.2	2.9	0	-95.2
LC152 F8 MAX. TRANS WIND ANGLE 30 NA+	-20	0.8	1515	5454	0	0	0	9	47.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	47.1	102	29.7	47.1	-102	29.7	47.1	102	29.7	47.1	-102
LC153 F8 MAX. TRANS WIND ANGLE 30 NA-	-20	0.8	-1515	-5454	0	0	0	9	19	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	9.9	110.6	29.7	9.9	-110.6	29.7	9.9	110.6	29.7	9.9	-110.6
LC154 F8 MAX. LONG WIND ANGLE 30 NA+	-20	0.8	1515	0	5454	0	0	9	47.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	47.1	102	29.7	47.1	-102	29.7	47.1	102	29.7	47.1	-102
LC155 F8 MAX. LONG WIND ANGLE 30 NA-	-20	0.8	-1515	0	-5454	0	0	9	19	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	9.9	110.6	29.7	9.9	-110.6	29.7	9.9	110.6	29.7	9.9	-110.6
LC156 F8 45° OBLIQUE WIND ANGLE 30 BI+	-20	0.8	1071	3856	3856	0	0	9	32.6	-12.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	23.1	63.7	29.7	37.9	-86.7	29.7	23.1	63.7	29.7	37.9	-86.7
LC157 F8 45° OBLIQUE WIND ANGLE 30 BI-	-20	0.8	-1071	-3856	-3856	0	0	9	18.1	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	29.7	11.6	65.8	29.7	10.3	-93.2	29.7	11.6	65.8	29.7	10.3	-93.2
LC158 F8 MAX. ICE ANGLE 30	-5	0.8	0	0	0	75	8825	118.3	103.4	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	105.1	70.2	-262.2	105.1	70.2	262.2	105.1	70.2	-262.2
LC159 F8 WIND + ICE ANGLE 30 NA+	-5	0.8	305	610	0	45	8825	54	80.3	0	0	0	0	0	0	0	0	0	0	0	0	0	64.7	56	173.8	64.7	56	-173.8	64.7	56	173.8	64.7	56	-173.8
LC160 F8 WIND + ICE ANGLE 30 NA-	-5	0.8	-305	-610	0	45	8825	54	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	64.7	38.3	178.3	64.7	38.3	-178.3	64.7	38.3	178.3	64.7	38.3	-178.3
LC161 F8 MAINTENANCE ANGLE 30	-30	0.5	45	162	0	0	0	13	24	0	0	0	0	0	0	0	0	0	0	0	0	0	31.7	18.7	67.7	31.7	18.7	-67.7	31.7	18.7	67.7	31.7	18.7	-67.7
LC162 F8 BR G ANGLE 30	0	0.8	0	0	0	0	0	4.5	9.3	-34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	29.7	15.5	-57.8	29.7	15.5	57.8	29.7	15.5	-57.8
LC163 F8 BR P1 ANGLE 30	0	0.8	0	0	0	0	0	9	18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	29.7	15.5	-57.8	29.7	15.5	57.8	29.7	15.5	-57.8
LC164 F8 BR P2 ANGLE 30	0	0.8	0	0	0	0	0	9	18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	29.7	15.5	-57.8	14.4	0	0	29.7	15.5	-57.8
LC165 F8 BR G + P1 ANGLE 30	0	0.8	0	0	0	0	0	4.5	9.3	34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	14.4	0	0	29.7	15.5	57.8	29.7	15.5	-57.8
LC166 F8 BR G + P2 ANGLE 30	0	0.8	0	0	0	0	0	4.5	9.3	34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	29.7	15.5	-57.8	29.7	15.5	57.8	14.4	0	0
LC167 F8 BR P1 + P2 ANGLE 30	0	0.8	0	0	0	0	0	9	18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	14.4	0	0	29.7	15.5	57.8	14.4	0	0
LC168 F8 BR G + P2 + P1 ANGLE 30	0	0.8	0	0	0	0	0	4.5	9.3	34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	14.4	0	0	29.7	15.5	57.8	14.4	0	0
LC169 F8 BR G D + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	4.5	18.5	69.2	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	14.4	0	0	29.7	15.5	57.8	14.4	0	0
LC170 F8 BR G + P2 D + P1 ANGLE 30	0	1	0	0	0	0	0	4.5	9.3	34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	14.4	0	0	29.7	31	115.6	14.4	0	0
LC171 F8 BR G + P2 + P1 D ANGLE 30	0	1	0	0	0	0	0	4.5	9.3	34.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	31	115.6	14.4	0	0	29.7	15.5	57.8	14.4	0	0
LC172 F8 UBL G ANGLE 30	-5	0.8	0	0	0	75	8825	63.6	61.2	157.7	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	105.1	70.2	-262.2	105.1	70.2	262.2	105.1	70.2	-262.2
LC173 F8 UBL P2 ANGLE 30	-5	0.8	0	0	0	75	8825	118.3	103.4	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	105.1	70.2	-262.2	105.1	70.2	262.2	29.7	15.7	-58.5
LC174 F8 UBL P1 ANGLE 30	-5	0.8	0	0	0	75	8825	118.3	103.4	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	29.7	15.7	-58.5	105.1	70.2	262.2	105.1	70.2	-262.2
LC175 F8 UBL G + P1 ANGLE 30	-5	0.8	0	0	0	75	8825	63.6	61.2	157.7	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	29.7	15.7	-58.5	105.1	70.2	262.2	105.1	70.2	-262.2
LC176 F8 UBL G + P1 + P2 ANGLE 30	-5	0.8	0	0	0	75	8825	63.6	61.2	157.7	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	29.7	15.7	-58.5	105.1	70.2	262.2	29.7	15.7	-58.5
LC177 F8 EXTREME UBL G ANGLE 30	-5	1	0	0	0	75	8825	59.2	51.7	193	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	105.1	70.2	-262.2	105.1	70.2	262.2	105.1	70.2	-262.2
LC178 F8 EXTREME UBL P1 ANGLE 30	-5	1	0	0	0	75	8825	118.3	103.4	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	14.4	0	0	105.1	70.2	262.2	105.1	70.2	-262.2
LC179 F8 EXTREME UBL P2 ANGLE 30	-5	1	0	0	0	75	8825	118.3	103.4	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	70.2	262.2	105.1	70.2	-262.2	105.1	70.2	262.2	14.4	0	0
LC180 F8 EDT ANGLE 30	0	0.8	0	0	0	0	0	9	18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	15.5	57.8	29.7	15.5	-57.8	29.7	15.5	57.8	29.7	15.5	-57.8
LC181 F8 COLD ANGLE 30	-30	0.8	0	0	0	0	0	9	21.9	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	17.4	65	29.7	17.4	-65	29.7	17.4	65	29.7	17.4	-65
LC182 F8 MAX. TRANS WIND VS MIN. ANGLE 30 NA+	-20	0.8	1515	5454	0	0	0	-3.9	47.6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	50.2	113.8	7.7	50.2	-113.8	7.7	50.2	113.8	7.7	50.2	-113.8
LC183 F8 MAX. TRANS WIND VS MIN. ANGLE 30 NA-	-20	0.8	-1515	-5454	0	0	0	-3.9	19.2	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	13.1	122.4	7.7	13.1	-122.4	7.7	13.1	122.4	7.7	13.1	-122.4
LC184 F8 MAX. LONG WIND VS MIN. ANGLE 30 NA+	-20	0.8	1515	0	5454	0	0	-3.9	47.6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	50.2	113.8	7.7	50.2	-113.8	7.7	50.2	113.8	7.7	50.2	-113.8
LC185 F8 MAX. LONG WIND VS MIN. ANGLE 30 NA-	-20	0.8	-1515	0	-5454	0	0	-3.9	19.2	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	13.1	122.4	7.7	13.1	-122.4	7.7	13.1	122.4	7.7	13.1	-122.4
LC186 F8 45° OBLIQUE WIND VS MIN. ANGLE 30 BI+	-20	0.8	1071	3856	3856	0	0	-3.9	32.7	-12.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	25.4	72	7.7	40.7	-97.2	7.7	25.4	72	7.7	40.7	-97.2
LC187 F8 45° OBLIQUE WIND VS MIN. ANGLE 30 BI-	-20	0.8	-1071	-3856	-3856	0	0	-3.9	18.2	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	7.7	13.8	74.1	7.7	13.1	-103.7	7.7	13.8	74.1	7.7	13.1	-103.7
LC188 F8 MAX. ICE VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-51.6	103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC189 F8 WIND + ICE VS MIN. ANGLE 30 NA+	-5	0.8	305	610	0	45	8825	-23.5	80.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	59.8	188	-7.6	59.8	-188	-7.6	59.8	188	-7.6	59.8	-188
LC190 F8 WIND + ICE VS MIN. ANGLE 30 NA-	-5	0.8	-305	-610	0	45	8825	-23.5	50.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	42.1	192.5	-7.6	42.1	-192.5	-7.6	42.1	192.5	-7.6	42.1	-192.5
LC191 F8 MAINTENANCE VS MIN. ANGLE 30	-30	0.5	45	162	0	0	0	0.1	24.2	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7	21.9	79.6	9.7	21.9	-79.6	9.7	21.9	79.6	9.7	21.9	-79.6
LC192 F8 BR G VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.9	9.3	-34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	7.7	17.3	-64.6	7.7	17.3	64.6	7.7	17.3	-64.6
LC193 F8 BR P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.9	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	7.7	17.3	-64.6	7.7	17.3	64.6	7.7	17.3	-64.6
LC194 F8 BR P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.9	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	7.7	17.3	-64.6	14.4	0	0	7.7	17.3	-64.6
LC195 F8 BR G + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.9	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	14.4	0	0	7.7	17.3	64.6	7.7	17.3	-64.6
LC196 F8 BR G + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.9	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	7.7	17.3	-64.6	7.7	17.3	64.6	14.4	0	0
LC197 F8 BR P1 + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.9	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	14.4	0	0	7.7	17.3	64.6	14.4	0	0
LC198 F8 BR G + P2 + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.9	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	14.4	0	0	7.7	17.3	64.6	14.4	0	0
LC199 F8 BR G D + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.9	18.6	69.6	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	14.4	0	0	7.7	17.3	64.6	14.4	0	0
LC200 F8 BR G + P2 D + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.9	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	14.4	0	0	7.7	34.6	129.2	14.4	0	0
LC201 F8 BR G + P2 + P1 D VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.9	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	7.7	34.6	129.2	14.4	0	0	7.7	17.3	64.6	14.4	0	0
LC202 F8 UBL G VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-27.7	61.3	157.7	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC203 F8 UBL P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-51.6	103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8	-25.2	73.4	273.8	7.7	17.6	-65.5
LC204 F8 UBL P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-51.6	103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	7.7	17.6	-65.5	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC205 F8 UBL G + P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-27.7	61.3	157.7	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	7.7	17.6	-65.5	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC206 F8 UBL G + P1 + P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	75	8825	-27.7	61.3	157.7	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	7.7	17.6	-65.5	-25.2	73.4	273.8	7.7	17.6	-65.5
LC207 F8 EXTREME UBL G VS MIN. ANGLE 30	-5	1	0	0	0	75	8825	-25.8	51.8	193.2	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC208 F8 EXTREME UBL P1 VS MIN. ANGLE 30	-5	1	0	0	0	75	8825	-51.6	103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	14.4	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8
LC209 F8 EXTREME UBL P2 VS MIN. ANGLE 30	-5	1	0	0	0	75	8825	-51.6	103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	73.4	273.8	-25.2	73.4	-273.8	-25.2	73.4	273.8	14.4	0	0
LC210 F8 EDT VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.9	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	17.3	64.6	7.7	17.3	-64.6	7.7	17.3	64.6	7.7	17.3	-64.6
LC211 F8 COLD VS MIN. ANGLE 30	-30	0.8	0	0	0	0	0	-3.9	22.1	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	20.2	75.5	7.7	20.2	-75.5	7.7	20.2	75.5	7.7	20.2	-75.5
LC212 F8 MAX. TRANS WIND ANGLE 0	-20	0.8	1515	5454	0	0	0	9	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	19.2	110.1	29.7	19.2	-110.1	29.7	19.2	110.1	29.7	19.2	-110.1
LC213 F8 MAX. TRANS WIND ANGLE 0 NA-	-20	0.8	-1515	-5454	0	0	0	9	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	-19.2	110.1	29.7	-19.2	-110.1	29.7	-19.2	110.1	29.7	-19.2	-110.1
LC214 F8 MAX. LONG WIND ANGLE 0	-20	0.8	1515	0	5454	0	0	9	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	19.2	110.1	29.7	19.2	-110.1	29.7	19.2	110.1	29.7	19.2	-110.1
LC215 F8 MAX. LONG WIND ANGLE 0 NA-	-20	0.8	-1515	0	-5454	0	0	9	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	-19.2	110.1	29.7	-19.2	-110.1	29.7	-19.2	110.1	29.7	-19.2	-110.1
LC216 F8 45° OBLIQUE WIND ANGLE 0 BI+	-20	0.8	1071	3856	3856	0	0	9	7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	10.1	78.1	29.7	10.1	-78.1	29.7	10.1	78.1	29.7	10.1	-78.1
LC217 F8 45° OBLIQUE WIND ANGLE 0 BI-	-20	0.8	-1071	-3856	-3856	0	0	9	-7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	-10.1	78.1	29.7	-10.1	-78.1	29.7	-10.1	78.1	29.7	-10.1	-78.1
LC218 F8 MAX. ICE ANGLE 0	-5	0.8	0	0	0	75	8825	118.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	105.1	0	-271.4	105.1	0	271.4	105.1	0	-271.4
LC219 F8 WIND + ICE ANGLE 0	-5	0.8	305	610	0	45	8825	54	15.4	0	0	0	0	0	0	0	0	0	0	0	0	0	64.7	9.2	182.2	64.7	9.2	-182.2	64.7	9.2	182.2	64.7	9.2	-182.2
LC220 F8 WIND + ICE ANGLE 0 NA-	-5	0.8	-305	-610	0	45	8825	54	-15.4	0	0	0	0	0	0	0	0	0	0	0	0	0	64.7	-9.2	182.2	64.7	-9.2	-182.2	64.7	-9.2	182.2	64.7	-9.2	-182.2
LC221 F8 MAINTENANCE ANGLE 0	-30	0.5	45	162	0	0	0	13	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	31.7	0.6	70.2	31.7	0.6	-70.2	31.7	0.6	70.2	31.7	0.6	-70.2
LC222 F8 BR G ANGLE 0	0	0.8	0	0	0	0	0	4.5	0	-35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	29.7	0	-59.8	29.7	0	59.8	29.7	0	-59.8
LC223 F8 BR P1 ANGLE 0	0	0.8	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	29.7	0	-59.8	29.7	0	59.8	29.7	0	-59.8
LC224 F8 BR P2 ANGLE 0	0	0.8	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	29.7	0	-59.8	14.4	0	0	29.7	0	-59.8
LC225 F8 BR G + P1 ANGLE 0	0	0.8	0	0	0	0	0	4.5	0	35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	14.4	0	0	29.7	0	59.8	29.7	0	-59.8
LC226 F8 BR G + P2 ANGLE 0	0	0.8	0	0	0	0	0	4.5	0	35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	29.7	0	-59.8	29.7	0	59.8	14.4	0	0
LC227 F8 BR P1 + P2 ANGLE 0	0	0.8	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	14.4	0	0	29.7	0	59.8	14.4	0	0
LC228 F8 BR G + P2 + P1 ANGLE 0	0	0.8	0	0	0	0	0	4.5	0	35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	14.4	0	0	29.7	0	59.8	14.4	0	0
LC229 F8 BR G D + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	4.5	0	71.6	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	14.4	0	0	29.7	0	59.8	14.4	0	0

LC230 F8 BR G + P2 D + P1 ANGLE 0	0	1	0	0	0	0	0	4.5	0	35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	14.4	0	0	29.7	0	119.7	14.4	0	0
LC231 F8 BR G + P2 + P1 D ANGLE 0	0	1	0	0	0	0	0	4.5	0	35.8	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	119.7	14.4	0	0	29.7	0	59.8	14.4	0	0
LC232 F8 UBL G ANGLE 0	-5	0.8	0	0	0	75	8825	63.6	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	105.1	0	-271.4	105.1	0	271.4	105.1	0	-271.4
LC233 F8 UBL P2 ANGLE 0	-5	0.8	0	0	0	75	8825	118.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	105.1	0	-271.4	105.1	0	271.4	29.7	0	-60.5
LC234 F8 UBL P1 ANGLE 0	-5	0.8	0	0	0	75	8825	118.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	29.7	0	-60.5	105.1	0	271.4	105.1	0	-271.4
LC235 F8 UBL G + P1 ANGLE 0	-5	0.8	0	0	0	75	8825	63.6	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	29.7	0	-60.5	105.1	0	271.4	105.1	0	-271.4
LC236 F8 UBL G + P1 + P2 ANGLE 0	-5	0.8	0	0	0	75	8825	63.6	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	29.7	0	-60.5	105.1	0	271.4	29.7	0	-60.5
LC237 F8 EXTREME UBL G ANGLE 0	-5	1	0	0	0	75	8825	59.2	0	199.8	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	105.1	0	-271.4	105.1	0	271.4	105.1	0	-271.4
LC238 F8 EXTREME UBL P1 ANGLE 0	-5	1	0	0	0	75	8825	118.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	14.4	0	0	105.1	0	271.4	105.1	0	-271.4
LC239 F8 EXTREME UBL P2 ANGLE 0	-5	1	0	0	0	75	8825	118.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105.1	0	271.4	105.1	0	-271.4	105.1	0	271.4	14.4	0	0
LC240 F8 EDT ANGLE 0	0	0.8	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	59.8	29.7	0	-59.8	29.7	0	59.8	29.7	0	-59.8
LC241 F8 COLD ANGLE 0	-30	0.8	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.7	0	67.3	29.7	0	-67.3	29.7	0	67.3	29.7	0	-67.3
LC242 F8 MAX. TRANS WIND VS MIN. ANGLE 0 NA+	-20	0.8	1515	5454	0	0	0	-3.9	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	19.2	122.2	7.7	19.2	-122.2	7.7	19.2	122.2	7.7	19.2	-122.2
LC243 F8 MAX. TRANS WIND VS MIN. ANGLE 0 NA-	-20	0.8	-1515	-5454	0	0	0	-3.9	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-19.2	122.2	7.7	-19.2	-122.2	7.7	-19.2	122.2	7.7	-19.2	-122.2
LC244 F8 MAX. LONG WIND VS MIN. ANGLE 0 NA+	-20	0.8	1515	0	5454	0	0	-3.9	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	19.2	122.2	7.7	19.2	-122.2	7.7	19.2	122.2	7.7	19.2	-122.2
LC245 F8 MAX. LONG WIND VS MIN. ANGLE 0 NA-	-20	0.8	-1515	0	-5454	0	0	-3.9	-14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-19.2	122.2	7.7	-19.2	-122.2	7.7	-19.2	122.2	7.7	-19.2	-122.2
LC246 F8 45° OBLIQUE WIND VS MIN. ANGLE 0 BI+	-20	0.8	1071	3856	3856	0	0	-3.9	7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	10.1	87.7	7.7	10.1	-87.7	7.7	10.1	87.7	7.7	10.1	-87.7
LC247 F8 45° OBLIQUE WIND VS MIN. ANGLE 0 BI-	-20	0.8	-1071	-3856	-3856	0	0	-3.9	-7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-10.1	87.7	7.7	-10.1	-87.7	7.7	-10.1	87.7	7.7	-10.1	-87.7
LC248 F8 MAX. ICE VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-51.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	-25.2	0	-283.4	-25.2	0	283.4	-25.2	0	-283.4
LC249 F8 WIND + ICE VS MIN. ANGLE 0 NA+	-5	0.8	305	610	0	45	8825	-23.5	15.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	9.2	196.9	-7.6	9.2	-196.9	-7.6	9.2	196.9	-7.6	9.2	-196.9
LC250 F8 WIND + ICE VS MIN. ANGLE 0 NA-	-5	0.8	-305	-610	0	45	8825	-23.5	-15.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	-9.2	196.9	-7.6	-9.2	-196.9	-7.6	-9.2	196.9	-7.6	-9.2	-196.9
LC251 F8 MAINTENANCE VS MIN. ANGLE 0	-30	0.5	45	162	0	0	0	0.1	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7	0.6	82.5	9.7	0.6	-82.5	9.7	0.6	82.5	9.7	0.6	-82.5
LC252 F8 BR G VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.9	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	7.7	0	-66.9	7.7	0	66.9	7.7	0	-66.9
LC253 F8 BR P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	7.7	0	-66.9	7.7	0	66.9	7.7	0	-66.9
LC254 F8 BR P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	7.7	0	-66.9	14.4	0	0	7.7	0	-66.9
LC255 F8 BR G + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	14.4	0	0	7.7	0	66.9	7.7	0	-66.9
LC256 F8 BR G + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	7.7	0	-66.9	7.7	0	66.9	14.4	0	0
LC257 F8 BR P1 + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	14.4	0	0	7.7	0	66.9	14.4	0	0
LC258 F8 BR G + P2 + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	14.4	0	0	7.7	0	66.9	14.4	0	0
LC259 F8 BR G D + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.9	0	72	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	14.4	0	0	7.7	0	66.9	14.4	0	0
LC260 F8 BR G + P2 D + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	14.4	0	0	7.7	0	133.8	14.4	0	0
LC261 F8 BR G + P2 + P1 D VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	133.8	14.4	0	0	7.7	0	66.9	14.4	0	0
LC262 F8 UBL G VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-27.7	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	-25.2	0	-283.4	-25.2	0	283.4	-25.2	0	-283.4
LC263 F8 UBL P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-51.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	-25.2	0	-283.4	-25.2	0	283.4	7.7	0	-67.8
LC264 F8 UBL P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-51.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	7.7	0	-67.8	-25.2	0	283.4	-25.2	0	-283.4
LC265 F8 UBL G + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-27.7	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	7.7	0	-67.8	-25.2	0	283.4	-25.2	0	-283.4
LC266 F8 UBL G + P1 + P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	75	8825	-27.7	0	163.2	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	7.7	0	-67.8	-25.2	0	283.4	7.7	0	-67.8
LC267 F8 EXTREME UBL G VS MIN. ANGLE 0	-5	1	0	0	0	75	8825	-25.8	0	200	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	-25.2	0	-283.4	-25.2	0	283.4	-25.2	0	-283.4
LC268 F8 EXTREME UBL P1 VS MIN. ANGLE 0	-5	1	0	0	0	75	8825	-51.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	14.4	0	0	-25.2	0	283.4	-25.2	0	-283.4
LC269 F8 EXTREME UBL P2 VS MIN. ANGLE 0	-5	1	0	0	0	75	8825	-51.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	-25.2	0	-283.4	-25.2	0	283.4	14.4	0	0
LC270 F8 EDT VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	7.7	0	-66.9	7.7	0	66.9	7.7	0	-66.9
LC271 F8 COLD VS MIN. ANGLE 0	-30	0.8	0	0	0	0	0	-3.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	78.2	7.7	0	-78.2	7.7	0	78.2	7.7	0	-78.2

STRUCTURE TYPE: LATTICE ANGLE TOWER C2			WIND ON STRUCTURE AND CABLES			ICE ON STRUCTURES AND CABLES		POINTS OF LOADING ATTACHMENT																									
LINE DEFLECTION: 0° TO 30°								G			E2			E2b			E1			E1b			P1			P1b			P2			P2b		
LOAD COMBINATION	TEMP. (°C)	STRENGTH FACTOR	WIND ON CABLE (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC1 F11 MAX. TRANS WIND ANGLE 30 NA+	-20	0.8	2070	7452	0	0	0	6	48.1	0	6.8	30.4	66	6.8	30.4	-66	6.8	30.4	66	6.8	30.4	-66	20.2	53.4	130	20.2	53.4	-130	20.2	53.4	130	20.2	53.4	-130
LC2 F11 MAX. TRANS WIND ANGLE 30 NA-	-20	0.8	-2070	-7452	0	0	0	6	21.7	0	6.8	6.5	71.8	6.8	6.5	-71.8	6.8	6.5	71.8	6.8	6.5	-71.8	20.2	18.4	137.8	20.2	18.4	-137.8	20.2	18.4	137.8	20.2	18.4	-137.8
LC3 F11 MAX. LONG WIND ANGLE 30 NA+	-20	0.8	2070	0	7452	0	0	6	48.1	0	6.8	30.4	66	6.8	30.4	-66	6.8	30.4	66	6.8	30.4	-66	20.2	53.4	130	20.2	53.4	-130	20.2	53.4	130	20.2	53.4	-130
LC4 F11 MAX. LONG WIND ANGLE 30 NA-	-20	0.8	-2070	0	-7452	0	0	6	21.7	0	6.8	6.5	71.8	6.8	6.5	-71.8	6.8	6.5	71.8	6.8	6.5	-71.8	20.2	18.4	137.8	20.2	18.4	-137.8	20.2	18.4	137.8	20.2	18.4	-137.8
LC5 F11 45° OBLIQUE WIND ANGLE 30 BI+	-20	0.8	1464	5270	5270	0	0	6	33.7	-13.5	6.8	12	31.2	6.8	23.9	-53.7	6.8	12	31.2	6.8	23.9	-53.7	20.2	26.1	74.9	20.2	43.3	-110.1	20.2	26.1	74.9	20.2	43.3	-110.1
LC6 F11 45° OBLIQUE WIND ANGLE 30 BI-	-20	0.8	-1464	-5270	-5270	0	0	6	20.2	-15.1	6.8	5.1	32.7	6.8	6.1	-58.1	6.8	5.1	32.7	6.8	6.1	-58.1	20.2	14.6	76.9	20.2	17.3	-115.9	20.2	14.6	76.9	20.2	17.3	-115.9
LC7 F2 MAX. ICE ANGLE 30	-5	0.8	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC8 F11 WIND + ICE ANGLE 30 NA+	-5	0.8	970	1940	0	60	4905	33.6	110.7	0	23.8	54.6	119.4	23.8	54.6	-119.4	23.8	54.6	119.4	23.8	54.6	-119.4	40.2	75	189.9	40.2	75	-189.9	40.2	75	189.9	40.2	75	-189.9
LC9 F11 WIND + ICE ANGLE 30 NA-	-5	0.8	-970	-1940	0	60	4905	33.6	31	0	23.8	12.3	130.5	23.8	12.3	-130.5	23.8	12.3	130.5	23.8	12.3	-130.5	40.2	29.8	201.3	40.2	29.8	-201.3	40.2	29.8	201.3	40.2	29.8	-201.3
LC10 F11 TD G + E1 + E2 + P1 + P2 ANGLE 30	-30	0.5	45	162	0	0	0	41	72.5	4.6	43.4	51.6	5.7	0	0	0	43.4	51.6	5.7	0	0	0	50.3	57.3	6.3	0	0	0	50.3	57.3	6.3	0	0	0
LC11 F11 TD G + E2 + P2 ANGLE 30	-30	0.5	45	162	0	0	0	41	72.5	4.6	43.4	51.6	5.7	0	0	0	0	0	0	0	0	0	50.3	57.3	6.3	0	0	0	50.3	57.3	6.3	0	0	0
LC12 F11 TD G + E1 + P1 ANGLE 30	-30	0.5	45	162	0	0	0	41	72.5	4.6	0	0	0	0	0	0	43.4	51.6	5.7	0	0	0	0	0	0	0	0	0	50.3	57.3	6.3	0	0	0
LC13 F11 MAINTENANCE ANGLE 30	-30	0.5	45	162	0	0	0	10	27	0	8.8	8.2	29.7	8.8	8.2	-29.7	8.8	8.2	29.7	8.8	8.2	-29.7	22.2	24.9	91.6	22.2	24.9	-91.6	22.2	24.9	91.6	22.2	24.9	-91.6
LC14 F11 BR G ANGLE 30	0	0.8	0	0	0	0	0	3	9.3	-34.7	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	20.2	16.3	-61	20.2	16.3	61	20.2	16.3	-61
LC15 F11 BR P1 ANGLE 30	0	0.8	0	0	0	0	0	6	18.6	0	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	9.9	0	0	20.2	16.3	-61	20.2	16.3	61	20.2	16.3	-61
LC16 F11 BR P2 ANGLE 30	0	0.8	0	0	0	0	0	6	18.6	0	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	20.2	16.3	-61	9.9	0	0	20.2	16.3	-61
LC17 F11 BR G + P1 ANGLE 30	0	0.8	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	9.9	0	0	20.2	16.3	61	20.2	16.3	-61
LC18 F11 BR G + P2 ANGLE 30	0	0.8	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	20.2	16.3	-61	20.2	16.3	61	9.9	0	0
LC19 F11 BR P1 + P2 ANGLE 30	0	0.8	0	0	0	0	0	6	18.6	0	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	9.9	0	0	20.2	16.3	61	9.9	0	0
LC20 F11 BR P1 + E1 ANGLE 30	0	0.8	0	0	0	0	0	6	18.6	0	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	16.3	61	20.2	16.3	-61
LC21 F11 BR G + E1 ANGLE 30	0	0.8	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	20.2	16.3	-61	20.2	16.3	61	20.2	16.3	-61
LC22 F11 BR G + E2 + E1 + P2 + P1 ANGLE 30	0	0.8	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	1.3	0	0	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	16.3	61	9.9	0	0
LC23 F11 BR G D + E2 + E1 + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	3	18.6	69.4	6.8	6.7	25.1	1.3	0	0	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	16.3	61	9.9	0	0
LC24 F11 BR G + E2 D + E1 + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	3	9.3	34.7	6.8	13.5	50.2	1.3	0	0	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	16.3	61	9.9	0	0
LC25 F11 BR G + E2 + E1 D + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	1.3	0	0	6.8	13.5	50.2	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	16.3	61	9.9	0	0
LC26 F11 BR G + E2 + E1 + P2 D + P1 ANGLE 30	0	1	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	1.3	0	0	6.8	6.7	25.1	1.3	0	0	20.2	16.3	61	9.9	0	0	20.2	32.7	122	9.9	0	0
LC27 F11 BR G + E2 + E1 + P2 + P1 D ANGLE 30	0	1	0	0	0	0	0	3	9.3	34.7	6.8	6.7	25.1	1.3	0	0	6.8	6.7	25.1	1.3	0	0	20.2	32.7	122	9.9	0	0	20.2	16.3	61	9.9	0	0
LC28 F2 UBL G ANGLE 30	-5	0.8	0	0	0	135	4905	57	60.3	152.6	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC29 F2 UBL E1 ANGLE 30	-5	0.8	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	6.1	4.6	-17.3	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC30 F2 UBL P1 ANGLE 30	-5	0.8	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	19.1	16	-59.7	82.9	70.8	264.4	82.9	70.8	-264.4
LC31 F2 UBL G + P1 ANGLE 30	-5	0.8	0	0	0	135	4905	57	60.3	152.6	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	19.1	16	-59.7	82.9	70.8	264.4	82.9	70.8	-264.4
LC32 F2 UBL G + E1 + P1 ANGLE 30	-5	0.8	0	0	0	135	4905	57	60.3	152.6	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	6.1	4.6	-17.3	82.9	70.8	264.4	19.1	16	-59.7	82.9	70.8	264.4	82.9	70.8	-264.4
LC33 F2 UBL G + E1 + E2 + P1 + P2 ANGLE 30	-5	0.8	0	0	0	135	4905	57	60.3	152.6	64.1	44.2	164.8	6.1	4.6	-17.3	64.1	44.2	164.8	6.1	4.6	-17.3	82.9	70.8	264.4	19.1	16	-59.7	82.9	70.8	264.4	19.1	16	-59.7
LC34 F2 EXTREME UBL G ANGLE 30	-5	1	0	0	0	135	4905	54.4	50.6	188.8	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC35 F2 EXTREME UBL P1 ANGLE 30	-5	1	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	10.2	0	0	82.9	70.8	264.4	82.9	70.8	-264.4
LC36 F2 EXTREME UBL P2 ANGLE 30	-5	1	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	10.2	0	0
LC37 F2 EXTREME UBL E2 ANGLE 30	-5	1	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	1.3	0	0	64.1	44.2	164.8	64.1	44.2	-164.8	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC38 F2 EXTREME UBL E1 ANGLE 30	-5	1	0	0	0	135	4905	108.8	101.2	0	64.1	44.2	164.8	64.1	44.2	-164.8	64.1	44.2	164.8	1.3	0	0	82.9	70.8	264.4	82.9	70.8	-264.4	82.9	70.8	264.4	82.9	70.8	-264.4
LC39 F11 EDT ANGLE 30	0	0.8	0	0	0	0	0	6	18.6	0	6.8	6.7	25.1	6.8	6.7	-25.1	6.8	6.7	25.1	6.8	6.7	-25.1	20.2	16.3	61	20.2	16.3	-61	20.2	16.3	61	20.2	16.3	-61
LC40 F11 COLD ANGLE 30	-30	0.8	0	0	0	0	0	6	26.8	0	6.8	7.9	29.7	6.8	7.9	-29.7	6.8	7.9	29.7	6.8	7.9	-29.7	20.2	24.5	91.6	20.2	24.5	-91.6	20.2	24.5	91.6	20.2	24.5	-91.6
LC41 F11 MAX. TRANS WIND VS MIN. ANGLE 30 NA+	-20	0.8	2070	7452	0	0	0	-3.7	48.1	0	-2.1	32	72	-2.1	32	-72	-2.1	32	72	-2.1	32	-72	3.5	53.4	130.2	3.5	53.4	-130.2	3.5	53.4	130.2	3.5	53.4	-130.2
LC42 F11 MAX. TRANS WIND VS MIN. ANGLE 30 NA-	-20	0.8	-2070	-7452	0	0	0	-3.7	21.8	0	-2.1	8.1	77.8	-2.1	8.1	-77.8	-2.1	8.1	77.8	-2.1	8.1	-77.8	3.5	18.4	138	3.5	18.4	-138	3.5	18.4	138	3.5	18.4	-138
LC43 F11 MAX. LONG WIND VS MIN. ANGLE 30 NA+	-20	0.8	2070	0	7452	0	0	-3.7	48.1	0	-2.1	32	72	-2.1	32	-72	-2.1	32	72	-2.1	32	-72	3.5	53.4	130.2	3.5	53.4	-130.2	3.5	53.4	130.2	3.5	53.4	-130.2
LC44 F11 MAX. LONG WIND VS MIN. ANGLE 30 NA-	-20	0.8	-2070	0	-7452	0	0	-3.7	21.8	0	-2.1	8.1	77.8	-2.1	8.1	-77.8	-2.1	8.1	77.8	-2.1	8.1	-77.8	3.5	18.4	138	3.5	18.4	-138	3.5	18.4	138	3.5	18.4	-138
LC45 F11 45° OBLIQUE WIND VS MIN. ANGLE 30 BI+	-20	0.8	1464	5270	5270	0	0	-3.7	33.7	-13.4	-2.1	13.1	35.1	-2.1	25.3	-59.1	-2.1	13.1	35.1	-2.1	25.3	-59.1	3.5	26.1	75.1	3.5	43.3	-110.3	3.5	26.1	75.1	3.5	43.3	-110.3
LC46 F11 45° OBLIQUE WIND VS MIN. ANGLE 30 BI-	-20	0.8	-1464	-5270	-5270	0	0	-3.7	20.2	-15.1	-2.1	6.1	36.5	-2.1	7.5	-63.5	-2.1	6.1	36.5	-2.1	7.5	-63.5	3.5	14.7	77.1	3.5	17.3	-116.1	3.5	14.7	77.1	3.5	17.3	-116.1
LC47 F2 MAX. ICE VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC48 F11 WIND + ICE VS MIN. ANGLE 30 NA+	-5	0.8	970	1940	0	60	4905	-20.8	110.7	0	-12.7	56.2	125.4	-12.7	56.2	-125.4	-12.7	56.2	125.4	-12.7	56.2	-125.4	-9	75.1	190.1	-9	75.1	-190.1	-9	75.1	190.1	-9	75.1	-190.1
LC49 F11 WIND + ICE VS MIN. ANGLE 30 NA-	-5	0.8	-970	-1940	0	60	4905	-20.8	31	0	-12.7	13.9	136.5	-12.7	13.9	-136.5	-12.7	13.9	136.5	-12.7	13.9	-136.5	-9	29.9	201.5	-9	29.9	-201.5	-9	29.9	201.5	-9	29.9	-201.5
LC50 F11 MAINTENANCE VS MIN. ANGLE 30	-30	0.5	45	162	0	0	0	0.3	27.1	0	-0.1	9.5	34.6	-0.1	9.5	-34.6	-0.1	9.5	34.6	-0.1	9.5	-34.6	5.5	25	91.9	5.5	25	-91.9	5.5	25	91.9	5.5	25	-91.9
LC51 F11 BR G VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.3	-34.8	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	3.5	16.4	-61.2	3.5	16.4	61.2	3.5	16.4	-61.2
LC52 F11 BR P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.7	18.6	0	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	9.9	0	0	3.5	16.4	-61.2	3.5	16.4	61.2	3.5	16.4	-61.2
LC53 F11 BR P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.7	18.6	0	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	3.5	16.4	-61.2	9.9	0	0	3.5	16.4	-61.2
LC54 F11 BR G + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	3.5	16.4	-61.2
LC55 F11 BR G + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	3.5	16.4	-61.2	3.5	16.4	61.2	9.9	0	0
LC56 F11 BR P1 + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.7	18.6	0	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC57 F11 BR P1 + E1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.7	18.6	0	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	3.5	16.4	-61.2
LC58 F11 BR G + E1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	3.5	16.4	-61.2	3.5	16.4	61.2	3.5	16.4	-61.2
LC59 F11 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	1.3	0	0	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC60 F11 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.8	18.6	69.6	-2.1	7.5	27.9	1.3	0	0	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC61 F11 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.8	9.3	34.8	-2.1	15	55.8	1.3	0	0	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC62 F11 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	1.3	0	0	-2.1	15	55.8	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC63 F11 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	1.3	0	0	-2.1	7.5	27.9	1.3	0	0	3.5	16.4	61.2	9.9	0	0	3.5	32.8	122.3	9.9	0	0
LC64 F11 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 30	0	1	0	0	0	0	0	-1.8	9.3	34.8	-2.1	7.5	27.9	1.3	0	0	-2.1	7.5	27.9	1.3	0	0	3.5	32.8	122.3	9.9	0	0	3.5	16.4	61.2	9.9	0	0
LC65 F2 UBL G VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-44.5	60.3	152.6	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC66 F2 UBL E1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-2.4	5	-18.5	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC67 F2 UBL P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	3.2	16	-59.8	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC68 F2 UBL G + P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-44.5	60.3	152.6	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	3.2	16	-59.8	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC69 F2 UBL G + E1 + P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-44.5	60.3	152.6	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-2.4	5	-18.5	-46.7	70.9	264.5	3.2	16	-59.8	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC70 F2 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-44.5	60.3	152.6	-47.7	45.3	169.1	-2.4	5	-18.5	-47.7	45.3	169.1	-2.4	5	-18.5	-46.7	70.9	264.5	3.2	16	-59.8	-46.7	70.9	264.5	3.2	16	-59.8
LC71 F2 EXTREME UBL G VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-42.5	50.6	188.9	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5

LC72 F2 EXTREME UBL P1 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	10.2	0	0	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC73 F2 EXTREME UBL P2 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	10.2	0	0
LC74 F2 EXTREME UBL E2 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	1.3	0	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC75 F2 EXTREME UBL E1 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-84.9	101.2	0	-47.7	45.3	169.1	-47.7	45.3	-169.1	-47.7	45.3	169.1	1.3	0	0	-46.7	70.9	264.5	-46.7	70.9	-264.5	-46.7	70.9	264.5	-46.7	70.9	-264.5
LC76 F11 EDT VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-3.7	18.6	0	-2.1	7.5	27.9	-2.1	7.5	-27.9	-2.1	7.5	27.9	-2.1	7.5	-27.9	3.5	16.4	61.2	3.5	16.4	-61.2	3.5	16.4	61.2	3.5	16.4	-61.2
LC77 F11 COLD VS MIN. ANGLE 30	-30	0.8	0	0	0	0	0	-3.7	26.8	0	-2.1	9.3	34.6	-2.1	9.3	-34.6	-2.1	9.3	34.6	-2.1	9.3	-34.6	3.5	24.6	91.9	3.5	24.6	-91.9	3.5	24.6	91.9	3.5	24.6	-91.9
LC78 F11 MAX. TRANS WIND ANGLE 0 NA+	-20	0.8	2070	7452	0	0	0	6	13.6	0	6.8	12.3	71.3	6.8	12.3	-71.3	6.8	12.3	71.3	6.8	12.3	-71.3	20.2	18	138.6	20.2	18	-138.6	20.2	18	138.6	20.2	18	-138.6
LC79 F11 MAX. TRANS WIND ANGLE 0 NA-	-20	0.8	-2070	-7452	0	0	0	6	-13.6	0	6.8	-12.3	71.3	6.8	-12.3	-71.3	6.8	-12.3	71.3	6.8	-12.3	-71.3	20.2	-18	138.6	20.2	-18	-138.6	20.2	-18	138.6	20.2	-18	-138.6
LC80 F11 MAX. LONG WIND ANGLE 0 NA+	-20	0.8	2070	0	7452	0	0	6	13.6	0	6.8	12.3	71.3	6.8	12.3	-71.3	6.8	12.3	71.3	6.8	12.3	-71.3	20.2	18	138.6	20.2	18	-138.6	20.2	18	138.6	20.2	18	-138.6
LC81 F11 MAX. LONG WIND ANGLE 0 NA-	-20	0.8	-2070	0	-7452	0	0	6	-13.6	0	6.8	-12.3	71.3	6.8	-12.3	-71.3	6.8	-12.3	71.3	6.8	-12.3	-71.3	20.2	-18	138.6	20.2	-18	-138.6	20.2	-18	138.6	20.2	-18	-138.6
LC82 F11 45° OBLIQUE WIND ANGLE 0 BI+	-20	0.8	1464	5270	5270	0	0	6	7	0	6.8	6.4	44.6	6.8	6.4	-44.6	6.8	6.4	44.6	6.8	6.4	-44.6	20.2	9.6	96	20.2	9.6	-96	20.2	9.6	96	20.2	9.6	-96
LC83 F11 45° OBLIQUE WIND ANGLE 0 BI-	-20	0.8	-1464	-5270	-5270	0	0	6	-7	0	6.8	-6.4	44.6	6.8	-6.4	-44.6	6.8	-6.4	44.6	6.8	-6.4	-44.6	20.2	-9.6	96	20.2	-9.6	-96	20.2	-9.6	96	20.2	-9.6	-96
LC84 F2 MAX. ICE ANGLE 0	-5	0.8	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC85 F11 WIND + ICE ANGLE 0 NA+	-5	0.8	970	1940	0	60	4905	33.6	41.2	0	23.8	21.9	129.4	23.8	21.9	-129.4	23.8	21.9	129.4	23.8	21.9	-129.4	40.2	23.3	202.5	40.2	23.3	-202.5	40.2	23.3	202.5	40.2	23.3	-202.5
LC86 F11 WIND + ICE ANGLE 0 NA-	-5	0.8	-970	-1940	0	60	4905	33.6	-41.2	0	23.8	-21.9	129.4	23.8	-21.9	-129.4	23.8	-21.9	129.4	23.8	-21.9	-129.4	40.2	-23.3	202.5	40.2	-23.3	-202.5	40.2	-23.3	202.5	40.2	-23.3	-202.5
LC87 F11 MAINTENANCE ANGLE 0	-30	0.5	45	162	0	0	0	6	0.3	0	6.8	0.3	30.8	6.8	0.3	-30.8	6.8	0.3	30.8	6.8	0.3	-30.8	20.2	0.4	94.9	20.2	0.4	-94.9	20.2	0.4	94.9	20.2	0.4	-94.9
LC88 F11 BR G ANGLE 0	0	0.8	0	0	0	0	0	3	0	-35.9	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	20.2	0	-63.2	20.2	0	63.2	20.2	0	-63.2
LC89 F11 BR P1 ANGLE 0	0	0.8	0	0	0	0	0	6	0	0	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	9.9	0	0	20.2	0	-63.2	20.2	0	63.2	20.2	0	-63.2
LC90 F11 BR P2 ANGLE 0	0	0.8	0	0	0	0	0	6	0	0	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	20.2	0	-63.2	9.9	0	0	20.2	0	-63.2
LC91 F11 BR G + P1 ANGLE 0	0	0.8	0	0	0	0	0	3	0	35.9	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	9.9	0	0	20.2	0	63.2	20.2	0	-63.2
LC92 F11 BR G + P2 ANGLE 0	0	0.8	0	0	0	0	0	3	0	35.9	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	20.2	0	-63.2	20.2	0	63.2	9.9	0	0
LC93 F11 BR P1 + P2 ANGLE 0	0	0.8	0	0	0	0	0	6	0	0	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	9.9	0	0	20.2	0	63.2	9.9	0	0
LC94 F11 BR P1 + E1 ANGLE 0	0	0.8	0	0	0	0	0	6	0	0	6.8	0	26	6.8	0	-26	6.8	0	26	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	63.2	20.2	0	-63.2
LC95 F11 BR G + E1 ANGLE 0	0	0.8	0	0	0	0	0	3	0	35.9	6.8	0	26	6.8	0	-26	6.8	0	26	1.3	0	0	20.2	0	63.2	20.2	0	-63.2	20.2	0	63.2	20.2	0	-63.2
LC96 F11 BR G + E2 + E1 + P2 + P1 ANGLE 0	0	0.8	0	0	0	0	0	3	0	35.9	6.8	0	26	1.3	0	0	6.8	0	26	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	63.2	9.9	0	0
LC97 F11 BR G D + E2 + E1 + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	3	0	71.9	6.8	0	26	1.3	0	0	6.8	0	26	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	63.2	9.9	0	0
LC98 F11 BR G + E2 D + E1 + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	3	0	35.9	6.8	0	52	1.3	0	0	6.8	0	26	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	63.2	9.9	0	0
LC99 F11 BR G + E2 + E1 D + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	3	0	35.9	6.8	0	26	1.3	0	0	6.8	0	52	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	63.2	9.9	0	0
LC100 F11 BR G + E2 + E1 + P2 D + P1 ANGLE 0	0	1	0	0	0	0	0	3	0	35.9	6.8	0	26	1.3	0	0	6.8	0	26	1.3	0	0	20.2	0	63.2	9.9	0	0	20.2	0	126.3	9.9	0	0
LC101 F11 BR G + E2 + E1 + P2 + P1 D ANGLE 0	0	1	0	0	0	0	0	3	0	35.9	6.8	0	26	1.3	0	0	6.8	0	26	1.3	0	0	20.2	0	126.3	9.9	0	0	20.2	0	63.2	9.9	0	0
LC102 F2 UBL G ANGLE 0	-5	0.8	0	0	0	135	4905	57	0	158	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC103 F2 UBL E1 ANGLE 0	-5	0.8	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	6.1	0	-17.9	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC104 F2 UBL P1 ANGLE 0	-5	0.8	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	19.1	0	-61.8	82.9	0	273.7	82.9	0	-273.7
LC105 F2 UBL G + P1 ANGLE 0	-5	0.8	0	0	0	135	4905	57	0	158	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	19.1	0	-61.8	82.9	0	273.7	82.9	0	-273.7
LC106 F2 UBL G + E1 + P1 ANGLE 0	-5	0.8	0	0	0	135	4905	57	0	158	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	6.1	0	-17.9	82.9	0	273.7	19.1	0	-61.8	82.9	0	273.7	82.9	0	-273.7
LC107 F2 UBL G + E1 + E2 + P1 + P2 ANGLE 0	-5	0.8	0	0	0	135	4905	57	0	158	64.1	0	170.6	6.1	0	-17.9	64.1	0	170.6	6.1	0	-17.9	82.9	0	273.7	19.1	0	-61.8	82.9	0	273.7	19.1	0	-61.8
LC108 F2 EXTREME UBL G ANGLE 0	-5	1	0	0	0	135	4905	54.4	0	195.5	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC109 F2 EXTREME UBL P1 ANGLE 0	-5	1	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	10.2	0	0	82.9	0	273.7	82.9	0	-273.7
LC110 F2 EXTREME UBL P2 ANGLE 0	-5	1	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	10.2	0	0
LC111 F2 EXTREME UBL E2 ANGLE 0	-5	1	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	1.3	0	0	64.1	0	170.6	64.1	0	-170.6	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC112 F2 EXTREME UBL E1 ANGLE 0	-5	1	0	0	0	135	4905	108.8	0	0	64.1	0	170.6	64.1	0	-170.6	64.1	0	170.6	1.3	0	0	82.9	0	273.7	82.9	0	-273.7	82.9	0	273.7	82.9	0	-273.7
LC113 F11 EDT ANGLE 0	0	0.8	0	0	0	0	0	6	0	0	6.8	0	26	6.8	0	-26	6.8	0	26	6.8	0	-26	20.2	0	63.2	20.2	0	-63.2	20.2	0	63.2	20.2	0	-63.2
LC114 F11 COLD ANGLE 0	-30	0.8	0	0	0	0	0	6	0	0	6.8	0	30.7	6.8	0	-30.7	6.8	0	30.7	6.8	0	-30.7	20.2	0	94.8	20.2	0	-94.8	20.2	0	94.8	20.2	0	-94.8
LC115 F11 MAX. TRANS WIND VS MIN. ANGLE 0 NA+	-20	0.8	2070	7452	0	0	0	-3.7	13.6	0	-2.1	12.3	77.6	-2.1	12.3	-77.6	-2.1	12.3	77.6	-2.1	12.3	-77.6	3.5	18	138.8	3.5	18	-138.8	3.5	18	138.8	3.5	18	-138.8
LC116 F11 MAX. TRANS WIND VS MIN. ANGLE 0 NA-	-20	0.8	-2070	-7452	0	0	0	-3.7	-13.6	0	-2.1	-12.3	77.6	-2.1	-12.3	-77.6	-2.1	-12.3	77.6	-2.1	-12.3	-77.6	3.5	-18	138.8	3.5	-18	-138.8	3.5	-18	138.8	3.5	-18	-138.8
LC117 F11 MAX. LONG WIND VS MIN. ANGLE 0 NA+	-20	0.8	2070	0	7452	0	0	-3.7	13.6	0	-2.1	12.3	77.6	-2.1	12.3	-77.6	-2.1	12.3	77.6	-2.1	12.3	-77.6	3.5	18	138.8	3.5	18	-138.8	3.5	18	138.8	3.5	18	-138.8
LC118 F11 MAX. LONG WIND VS MIN. ANGLE 0 NA-	-20	0.8	-2070	0	-7452	0	0	-3.7	-13.6	0	-2.1	-12.3	77.6	-2.1	-12.3	-77.6	-2.1	-12.3	77.6	-2.1	-12.3	-77.6	3.5	-18	138.8	3.5	-18	-138.8	3.5	-18	138.8	3.5	-18	-138.8
LC119 F11 45° OBLIQUE WIND VS MIN. ANGLE 0 BI+	-20	0.8	1464	5270	5270	0	0	-3.7	7	0	-2.1	6.4	49.5	-2.1	6.4	-49.5	-2.1	6.4	49.5	-2.1	6.4	-49.5	3.5	9.6	96.2	3.5	9.6	-96.2	3.5	9.6	96.2	3.5	9.6	-96.2
LC120 F11 45° OBLIQUE WIND VS MIN. ANGLE 0 BI-	-20	0.8	-1464	-5270	-5270	0	0	-3.7	-7	0	-2.1	-6.4	49.5	-2.1	-6.4	-49.5	-2.1	-6.4	49.5	-2.1	-6.4	-49.5	3.5	-9.6	96.2	3.5	-9.6	-96.2	3.5	-9.6	96.2	3.5	-9.6	-96.2
LC121 F2 MAX. ICE VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	-46.7	0	-273.8	-46.7	0	273.8	-46.7	0	-273.8
LC122 F11 WIND + ICE VS MIN. ANGLE 0 NA+	-5	0.8	970	1940	0	60	8825	-20.8	41.2	0	-12.7	21.9	135.6	-12.7	21.9	-135.6	-12.7	21.9	135.6	-12.7	21.9	-135.6	-9	23.3	202.7	-9	23.3	-202.7	-9	23.3	202.7	-9	23.3	-202.7
LC123 F11 WIND + ICE VS MIN. ANGLE 0 NA-	-5	0.8	-970	-1940	0	60	8825	-20.8	-41.2	0	-12.7	-21.9	135.6	-12.7	-21.9	-135.6	-12.7	-21.9	135.6	-12.7	-21.9	-135.6	-9	-23.3	202.7	-9	-23.3	-202.7	-9	-23.3	202.7	-9	-23.3	-202.7
LC124 F11 MAINTENANCE VS MIN. ANGLE 0	-30	0.5	45	162	0	0	0	-3.7	0.3	0	-2.1	0.3	35.9	-2.1	0.3	-35.9	-2.1	0.3	35.9	-2.1	0.3	-35.9	3.5	0.4	95.2	3.5	0.4	-95.2	3.5	0.4	95.2	3.5	0.4	-95.2
LC125 F11 BR G VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	-36	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	3.5	0	63.3	3.5	0	-63.3	3.5	0	63.3	3.5	0	-63.3
LC126 F11 BR P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.7	0	0	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	9.9	0	0	3.5	0	-63.3	3.5	0	63.3	3.5	0	-63.3
LC127 F11 BR P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.7	0	0	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	3.5	0	63.3	3.5	0	-63.3	9.9	0	0	3.5	0	-63.3
LC128 F11 BR G + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	3.5	0	63.3	9.9	0	0	3.5	0	63.3	3.5	0	-63.3
LC129 F11 BR G + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	3.5	0	63.3	3.5	0	-63.3	3.5	0	63.3	9.9	0	0
LC130 F11 BR P1 + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.7	0	0	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	-2.1	0	-28.9	3.5	0	63.3	9.9	0	0	3.5	0	63.3	9.9	0	0
LC131 F11 BR P1 + E1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-3.7	0	0	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	63.3	3.5	0	-63.3
LC132 F11 BR G + E1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	-2.1	0	-28.9	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	3.5	0	-63.3	3.5	0	63.3	3.5	0	-63.3
LC133 F11 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	1.3	0	0	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	63.3	9.9	0	0
LC134 F11 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.8	0	72	-2.1	0	28.9	1.3	0	0	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	63.3	9.9	0	0
LC135 F11 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.8	0	36	-2.1	0	57.8	1.3	0	0	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	63.3	9.9	0	0
LC136 F11 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	1.3	0	0	-2.1	0	57.8	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	63.3	9.9	0	0
LC137 F11 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	1.3	0	0	-2.1	0	28.9	1.3	0	0	3.5	0	63.3	9.9	0	0	3.5	0	126.6	9.9	0	0
LC138 F11 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 0	0	1	0	0	0	0	0	-1.8	0	36	-2.1	0	28.9	1.3	0	0	-2.1	0	28.9	1.3	0	0	3.5	0	126.6	9.9	0	0	3.5	0	63.3	9.9	0	0
LC139 F11 UBL G VS MIN. ANGLE 0	-5	0.8	0	0	0	115	8825	-31.3	0	141.1	-33.5	0	178.4	-33.5	0	-178.4	-33.5	0	178.4	-33.5	0	-178.4	-31.6	0	258.1	-31.6	0	-258.1	-31.6	0	258.1	-31.6	0	-258.1
LC140 F2 UBL E1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-2.4	0	-19.2	-46.7	0	273.8	-46.7	0	-273.8	-46.7	0	273.8	-46.7	0	-273.8
LC141 F2 UBL P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	3.2	0	-61.9	-46.7	0	273.8	-46.7	0	-273.8
LC142 F2 UBL G + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-44.5	0	158	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	3.2	0	-61.9	-46.7	0	273.8	-46.7	0	-273.8
LC143 F2 UBL G + E1 + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-44.5	0	158	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-2.4	0	-19.2	-46.7	0	273.8	3.2	0	-61.9	-46.7	0	273.8	-46.7	0	-273.8
LC144 F2 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-44.5	0	158	-47.7	0	175.1	-2.4	0	-19.2	-47.7	0	175.1	-2.4	0	-19.2	-46.7	0	273.8	3.2	0	-61.9	-46.7	0	273.8	3.2	0	-61.9
LC145 F2 EXTREME UBL G VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-42.5	0	195.5	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	-46.7	0	-273.8	-46.7	0	273.8	-46.7	0	-273.8
LC146 F2 EXTREME UBL P1 VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	10.2	0	0	-46.7	0	273.8	-46.7	0	-273.8
LC147 F2 EXTREME UBL P2 VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	-47.7	0	-175.1	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	-46.7	0	-273.8	-46.7	0	273.8	10.2	0	0
LC148 F2 EXTREME UBL E2 VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-84.9	0	0	-47.7	0	175.1	1.3	0	0	-47.7	0	175.1	-47.7	0	-175.1	-46.7	0	273.8	-46.7	0	-273.8	-46.7	0	273.8	-46.7	0	-273.8
LC149 F2 EXTREME UBL E1 VS MIN. ANGLE 0

LC151 F11 COLD VS MIN. ANGLE 0	-30	0.8	0	0	0	0	0	-3.7	0	0	-2.1	0	35.8	-2.1	0	-35.8	-2.1	0	35.8	-2.1	0	-35.8	3.5	0	95.2	3.5	0	-95.2	3.5	0	95.2	3.5	0	-95.2
LC152 F9 MAX. TRANS WIND ANGLE 30 NA+	-20	0.8	3460	12456	0	0	0	6.5	70.5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	84.2	190.9	21	84.2	-190.9	21	84.2	190.9	21	84.2	-190.9
LC153 F9 MAX. TRANS WIND ANGLE 30 NA-	-20	0.8	-3460	-12456	0	0	0	6.5	23.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21.9	205	21	21.9	-205	21	21.9	205	21	21.9	-205
LC154 F9 MAX. LONG WIND ANGLE 30 NA+	-20	0.8	3460	0	12456	0	0	6.5	70.5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	84.2	190.9	21	84.2	-190.9	21	84.2	190.9	21	84.2	-190.9
LC155 F9 MAX. LONG WIND ANGLE 30 NA-	-20	0.8	-3460	0	-12456	0	0	6.5	23.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21.9	205	21	21.9	-205	21	21.9	205	21	21.9	-205
LC156 F9 45° OBLIQUE WIND ANGLE 30 BI+	-20	0.8	2447	8809	8809	0	0	6.5	44.9	-25.6	0	0	0	0	0	0	0	0	0	0	0	0	21	35.4	92.7	21	67.9	-161.7	21	35.4	92.7	21	67.9	-161.7
LC157 F9 45° OBLIQUE WIND ANGLE 30 BI-	-20	0.8	-2447	-8809	-8809	0	0	6.5	20.7	-28.6	0	0	0	0	0	0	0	0	0	0	0	0	21	15.3	96.2	21	21.6	-172.3	21	15.3	96.2	21	21.6	-172.3
LC158 F6 MAX. ICE ANGLE 30	-5	0.8	0	0	0	135	4905	125.8	109.4	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	94.3	70.8	-264.2	94.3	70.8	264.2	94.3	70.8	-264.2
LC159 F9 WIND + ICE ANGLE 30 NA+	-5	0.8	1580	3160	0	60	4905	36.3	162.7	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	106.2	238.8	42.6	106.2	-238.8	42.6	106.2	238.8	42.6	106.2	-238.8
LC160 F9 WIND + ICE ANGLE 30 NA-	-5	0.8	-1580	-3160	0	60	4905	36.3	22.8	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	27.2	258.8	42.6	27.2	-258.8	42.6	27.2	258.8	42.6	27.2	-258.8
LC161 F9 MAINTENANCE ANGLE 30	-30	0.5	45	162	0	0	0	10.5	26.5	0	0	0	0	0	0	0	0	0	0	0	0	0	23	27.6	101.6	23	27.6	-101.6	23	27.6	101.6	23	27.6	-101.6
LC162 F9 BR G ANGLE 30	0	0.8	0	0	0	0	0	3.3	9.3	-34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	21	17.9	-66.9	21	17.9	66.9	21	17.9	-66.9
LC163 F9 BR P1 ANGLE 30	0	0.8	0	0	0	0	0	6.5	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	21	17.9	-66.9	21	17.9	66.9	21	17.9	-66.9
LC164 F9 BR P2 ANGLE 30	0	0.8	0	0	0	0	0	6.5	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	21	17.9	-66.9	9.9	0	0	21	17.9	-66.9
LC165 F9 BR G + P1 ANGLE 30	0	0.8	0	0	0	0	0	3.3	9.3	34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	9.9	0	0	21	17.9	66.9	21	17.9	-66.9
LC166 F9 BR G + P2 ANGLE 30	0	0.8	0	0	0	0	0	3.3	9.3	34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	21	17.9	-66.9	21	17.9	66.9	9.9	0	0
LC167 F9 BR P1 + P2 ANGLE 30	0	0.8	0	0	0	0	0	6.5	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	9.9	0	0	21	17.9	66.9	9.9	0	0
LC168 F9 BR G + P2 + P1 ANGLE 30	0	0.8	0	0	0	0	0	3.3	9.3	34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	9.9	0	0	21	17.9	66.9	9.9	0	0
LC169 F9 BR G D + P2 + P1 ANGLE 30	0	1	0	0	0	0	0	3.3	18.6	69.4	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	9.9	0	0	21	17.9	66.9	9.9	0	0
LC170 F9 BR G + P2 D + P1 ANGLE 30	0	1	0	0	0	0	0	3.3	9.3	34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	9.9	0	0	21	35.9	133.8	9.9	0	0
LC171 F9 BR G + P2 + P1 D ANGLE 30	0	1	0	0	0	0	0	3.3	9.3	34.7	0	0	0	0	0	0	0	0	0	0	0	0	21	35.9	133.8	9.9	0	0	21	17.9	66.9	9.9	0	0
LC172 F6 UBL G ANGLE 30	-5	0.8	0	0	0	135	4905	65.9	64.4	168.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	94.3	70.8	-264.2	94.3	70.8	264.2	94.3	70.8	-264.2
LC173 F6 UBL P2 ANGLE 30	-5	0.8	0	0	0	135	4905	125.8	109.4	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	94.3	70.8	-264.2	94.3	70.8	264.2	94.3	70.8	-264.2
LC174 F6 UBL P1 ANGLE 30	-5	0.8	0	0	0	135	4905	125.8	109.4	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	20.5	13.3	-49.5	94.3	70.8	264.2	94.3	70.8	-264.2
LC175 F6 UBL G + P1 ANGLE 30	-5	0.8	0	0	0	135	4905	65.9	64.4	168.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	20.5	13.3	-49.5	94.3	70.8	264.2	94.3	70.8	-264.2
LC176 F12 UBL G + P1 + P2 ANGLE 30	-5	0.8	0	0	0	115	4905	62.8	60.9	155.8	0	0	0	0	0	0	0	0	0	0	0	0	92.8	70.9	264.6	22.7	16.6	-62.1	92.8	70.9	264.6	22.7	16.6	-62.1
LC177 F6 EXTREME UBL G ANGLE 30	-5	1	0	0	0	135	4905	62.9	54.7	204.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	94.3	70.8	-264.2	94.3	70.8	264.2	94.3	70.8	-264.2
LC178 F6 EXTREME UBL P1 ANGLE 30	-5	1	0	0	0	135	4905	125.8	109.4	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	10.2	0	0	94.3	70.8	264.2	94.3	70.8	-264.2
LC179 F6 EXTREME UBL P2 ANGLE 30	-5	1	0	0	0	135	4905	125.8	109.4	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	70.8	264.2	94.3	70.8	-264.2	94.3	70.8	264.2	10.2	0	0
LC180 F9 EDT ANGLE 30	0	0.8	0	0	0	0	0	6.5	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	21	17.9	66.9	21	17.9	-66.9	21	17.9	66.9	21	17.9	-66.9
LC181 F9 COLD ANGLE 30	-15	0.8	0	0	0	0	0	6.5	23.7	0	0	0	0	0	0	0	0	0	0	0	0	0	21	24.5	91.5	21	24.5	-91.5	21	24.5	91.5	21	24.5	-91.5
LC182 F9 MAX. TRANS WIND VS MIN. ANGLE 30NA+	-20	0.8	3460	12456	0	0	0	-4	70.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	84.3	191.2	2.9	84.3	-191.2	2.9	84.3	191.2	2.9	84.3	-191.2
LC183 F9 MAX. TRANS WIND VS MIN. ANGLE 30 NA-	-20	0.8	-3460	-12456	0	0	0	-4	23.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	21.9	205.3	2.9	21.9	-205.3	2.9	21.9	205.3	2.9	21.9	-205.3
LC184 F9 MAX. LONG WIND VS MIN. ANGLE 30 NA+	-20	0.8	3460	0	12456	0	0	-4	70.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	84.3	191.2	2.9	84.3	-191.2	2.9	84.3	191.2	2.9	84.3	-191.2
LC185 F9 MAX. LONG WIND VS MIN. ANGLE 30 NA-	-20	0.8	-3460	0	-12456	0	0	-4	23.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	21.9	205.3	2.9	21.9	-205.3	2.9	21.9	205.3	2.9	21.9	-205.3
LC186 F9 45° OBLIQUE WIND VS MIN. ANGLE 30 BI+	-20	0.8	2447	8809	8809	0	0	-4	45	-25.7	0	0	0	0	0	0	0	0	0	0	0	0	2.9	35.4	93	2.9	68	-162	2.9	35.4	93	2.9	68	-162
LC187 F9 45° OBLIQUE WIND VS MIN. ANGLE 30 BI-	-20	0.8	-2447	-8809	-8809	0	0	-4	20.8	-28.7	0	0	0	0	0	0	0	0	0	0	0	0	2.9	15.3	96.5	2.9	21.7	-172.6	2.9	15.3	96.5	2.9	21.7	-172.6
LC188 F6 MAX. ICE VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-78.1	109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC189 F9 WIND + ICE VS MIN. ANGLE 30 NA+	-5	0.8	1580	3160	0	60	4905	-22.7	162.7	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	106.2	239.1	-10.6	106.2	-239.1	-10.6	106.2	239.1	-10.6	106.2	-239.1
LC190 F9 WIND + ICE VS MIN. ANGLE 30 NA-	-5	0.8	-1580	-3160	0	60	4905	-22.7	22.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	27.2	259	-10.6	27.2	-259	-10.6	27.2	259	-10.6	27.2	-259
LC191 F9 MAINTENANCE VS MIN. ANGLE 30	-30	0.5	45	162	0	0	0	0	26.5	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	27.8	102	4.9	27.8	-102	4.9	27.8	102	4.9	27.8	-102
LC192 F9 BR G VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-2	9.3	-34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18	67.1	2.9	18	-67.1	2.9	18	67.1	2.9	18	-67.1
LC193 F12 BR P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-4	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	2.9	18.1	-67.7	2.9	18.1	67.7	2.9	18.1	-67.7
LC194 F12 BR P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-4	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	2.9	18.1	-67.7	9.9	0	0	2.9	18.1	-67.7
LC195 F12 BR G + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-2	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	9.9	0	0	2.9	18.1	67.7	2.9	18.1	-67.7
LC196 F12 BR G + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-2	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	2.9	18.1	-67.7	2.9	18.1	67.7	9.9	0	0
LC197 F12 BR P1 + P2 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-4	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	9.9	0	0	2.9	18.1	67.7	9.9	0	0
LC198 F12 BR G + P2 + P1 VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-2	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	9.9	0	0	2.9	18.1	67.7	9.9	0	0
LC199 F12 BR G D + P2 + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-2	18.6	69.6	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	9.9	0	0	2.9	18.1	67.7	9.9	0	0
LC200 F12 BR G + P2 D + P1 VS MIN. ANGLE 30	0	1	0	0	0	0	0	-2	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	9.9	0	0	2.9	36.3	135.3	9.9	0	0
LC201 F12 BR G + P2 + P1 D VS MIN. ANGLE 30	0	1	0	0	0	0	0	-2	9.3	34.8	0	0	0	0	0	0	0	0	0	0	0	0	2.9	36.3	135.3	9.9	0	0	2.9	18.1	67.7	9.9	0	0
LC202 F6 UBL G VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-40.9	64.4	168.2	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC203 F6 UBL P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-78.1	109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC204 F6 UBL P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-78.1	109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	3.7	14.7	-54.9	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC205 F6 UBL G + P1 VS MIN. ANGLE 30	-5	0.8	0	0	0	135	4905	-40.9	64.4	168.2	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	3.7	14.7	-54.9	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC206 F12 UBL G + P1 + P2 VS MIN. ANGLE 30	-5	0.8	0	0	0	115	4905	-34.1	60.9	155.8	0	0	0	0	0	0	0	0	0	0	0	0	-35.2	73.1	273	2.9	18.6	-69.3	-35.2	73.1	273	2.9	18.6	-69.3
LC207 F6 EXTREME UBL G VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-39.1	54.7	204.2	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC208 F6 EXTREME UBL P1 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-78.1	109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	10.2	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8
LC209 F6 EXTREME UBL P2 VS MIN. ANGLE 30	-5	1	0	0	0	135	4905	-78.1	109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	72.8	271.8	-42.2	72.8	-271.8	-42.2	72.8	271.8	10.2	0	0
LC210 F12 EDT VS MIN. ANGLE 30	0	0.8	0	0	0	0	0	-4	18.6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	18.1	67.7	2.9	18.1	-67.7	2.9	18.1	67.7	2.9	18.1	-67.7
LC211 F9 COLD VS MIN. ANGLE 30	-30	0.8	0	0	0	0	0	-4	23.8	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	24.6	91.9	2.9	24.6	-91.9	2.9	24.6	91.9	2.9	24.6	-91.9
LC212 F9 MAX. TRANS WIND ANGLE 0NA+	-20	0.8	3460	12456	0	0	0	6.5	24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	32.1	204.9	21	32.1	-204.9	21	32.1	204.9	21	32.1	-204.9
LC213 F9 MAX. TRANS WIND ANGLE 0 NA-	-20	0.8	-3460	-12456	0	0	0	6.5	-24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	-32.1	204.9	21	-32.1	-204.9	21	-32.1	204.9	21	-32.1	-204.9
LC214 F9 MAX. LONG WIND ANGLE 0 NA+	-20	0.8	3460	0	12456	0	0	6.5	24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	32.1	204.9	21	32.1	-204.9	21	32.1	204.9	21	32.1	-204.9
LC215 F9 MAX. LONG WIND ANGLE 0 NA-	-20	0.8	-3460	0	-12456	0	0	6.5	-24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	-32.1	204.9	21	-32.1	-204.9	21	-32.1	204.9	21	-32.1	-204.9
LC216 F9 45° OBLIQUE WIND ANGLE 0 BI+	-20	0.8	2447	8809	8809	0	0	6.5	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	17.1	134.8	21	17.1	-134.8	21	17.1	134.8	21	17.1	-134.8
LC217 F9 45° OBLIQUE WIND ANGLE 0 BI-	-20	0.8	-2447	-8809	-8809	0	0	6.5	-12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	-17.1	134.8	21	-17.1	-134.8	21	-17.1	134.8	21	-17.1	-134.8
LC218 F6 MAX. ICE ANGLE 0	-5	0.8	0	0	0	135	4905	125.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	94.3	0	-273.5	94.3	0	273.5	94.3	0	-273.5
LC219 F9 WIND + ICE ANGLE 0 NA+	-5	0.8	1580	3160	0	60	4905	36.3	72.4	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	40.8	257.6	42.6	40.8	-257.6	42.6	40.8	257.6	42.6	40.8	-257.6
LC220 F9 WIND + ICE ANGLE 0 NA-	-5	0.8	-1580	-3160	0	60	4905	36.3	-72.4	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	-40.8	257.6	42.6	-40.8	-257.6	42.6	-40.8	257.6	42.6	-40.8	-257.6
LC221 F9 MAINTENANCE ANGLE 0	-30	0.5	45	162	0	0	0	10.5	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0.4	105.2	23	0.4	-105.2	23	0.4	105.2	23	0.4	-105.2
LC222 F9 BR G ANGLE 0	0	0.8	0	0	0	0	0	3.3	0	-35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	21	0	-69.3	21	0	69.3	21	0	-69.3
LC223 F9 BR P1 ANGLE 0	0	0.8	0	0	0	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	21	0	-69.3	21	0	69.3	21	0	-69.3
LC224 F9 BR P2 ANGLE 0	0	0.8	0	0	0	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	21	0	-69.3	9.9	0	0	21	0	-69.3
LC225 F9 BR G + P1 ANGLE 0	0	0.8	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	9.9	0	0	21	0	69.3	21	0	-69.3
LC226 F9 BR G + P2 ANGLE 0	0	0.8	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	21	0	-69.3	21	0	69.3	9.9	0	0
LC227 F9 BR P1 + P2 ANGLE 0	0	0.8	0	0	0	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	9.9	0	0	21	0	69.3	9.9	0	0
LC228 F9 BR G + P2 + P1 ANGLE 0	0	0.8	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	9.9	0	0	21	0	69.3	9.9	0	0
LC229 F9 BR G D + P2 + P1 ANGLE 0	0	1	0	0	0	0	0	3.3	0	71.8	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	9.9	0	0	21	0	69.3	9.9	0	0

LC230 F9 BR G + P2 D + P1 ANGLE 0	0	1	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	9.9	0	0	21	0	138.5	9.9	0	0
LC231 F9 BR G + P2 + P1 D ANGLE 0	0	1	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	21	0	138.5	9.9	0	0	21	0	69.3	9.9	0	0
LC232 F6 UBL G ANGLE 0	-5	0.8	0	0	0	135	4905	65.9	0	174.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	94.3	0	-273.5	94.3	0	273.5	94.3	0	-273.5
LC233 F6 UBL P2 ANGLE 0	-5	0.8	0	0	0	135	4905	125.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	94.3	0	-273.5	94.3	0	273.5	94.3	0	-273.5
LC234 F6 UBL P1 ANGLE 0	-5	0.8	0	0	0	135	4905	125.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	20.5	0	-51.3	94.3	0	273.5	94.3	0	-273.5
LC235 F6 UBL G + P1 ANGLE 0	-5	0.8	0	0	0	135	4905	65.9	0	174.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	20.5	0	-51.3	94.3	0	273.5	94.3	0	-273.5
LC236 F6 UBL G + P1 + P2 ANGLE 0	-5	0.8	0	0	0	135	4905	65.9	0	174.2	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	20.5	0	-51.3	94.3	0	273.5	20.5	0	-51.3
LC237 F6 EXTREME UBL G ANGLE 0	-5	1	0	0	0	135	4905	62.9	0	211.4	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	94.3	0	-273.5	94.3	0	273.5	94.3	0	-273.5
LC238 F6 EXTREME UBL P1 ANGLE 0	-5	1	0	0	0	135	4905	125.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	10.2	0	0	94.3	0	273.5	94.3	0	-273.5
LC239 F6 EXTREME UBL P2 ANGLE 0	-5	1	0	0	0	135	4905	125.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94.3	0	273.5	94.3	0	-273.5	94.3	0	273.5	10.2	0	0
LC240 F9 EDT ANGLE 0	0	0.8	0	0	0	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.3	21	0	-69.3	21	0	69.3	21	0	-69.3
LC241 F9 COLD ANGLE 0	-15	0.8	0	0	0	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	94.7	21	0	-94.7	21	0	94.7	21	0	-94.7
LC242 F9 MAX. TRANS WIND VS MIN. ANGLE 0 NA+	-20	0.8	3460	12456	0	0	0	-4	24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	32.1	205.2	2.9	32.1	-205.2	2.9	32.1	205.2	2.9	32.1	-205.2
LC243 F9 MAX. TRANS WIND VS MIN. ANGLE 0 NA-	-20	0.8	-3460	-12456	0	0	0	-4	-24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-32.1	205.2	2.9	-32.1	-205.2	2.9	-32.1	205.2	2.9	-32.1	-205.2
LC244 F9 MAX. LONG WIND VS MIN. ANGLE 0NA+	-20	0.8	3460	0	12456	0	0	-4	24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	32.1	205.2	2.9	32.1	-205.2	2.9	32.1	205.2	2.9	32.1	-205.2
LC245 F9 MAX. LONG WIND VS MIN. ANGLE 0 NA-	-20	0.8	-3460	0	-12456	0	0	-4	-24.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-32.1	205.2	2.9	-32.1	-205.2	2.9	-32.1	205.2	2.9	-32.1	-205.2
LC246 F9 45° OBLIQUE WIND VS MIN. ANGLE 0 BI+	-20	0.8	2447	8809	8809	0	0	-4	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	17.1	135.1	2.9	17.1	-135.1	2.9	17.1	135.1	2.9	17.1	-135.1
LC247 F9 45° OBLIQUE WIND VS MIN. ANGLE 0 BI-	-20	0.8	-2447	-8809	-8809	0	0	-4	-12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-17.1	135.1	2.9	-17.1	-135.1	2.9	-17.1	135.1	2.9	-17.1	-135.1
LC248 F6 MAX. ICE VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-78.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	-42.2	0	-281.4	-42.2	0	281.4	-42.2	0	-281.4
LC249 F9 WIND + ICE VS MIN. ANGLE 0NA+	-5	0.8	1580	3160	0	60	4905	-22.7	72.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	40.8	257.8	-10.6	40.8	-257.8	-10.6	40.8	257.8	-10.6	40.8	-257.8
LC250 F9 WIND + ICE VS MIN. ANGLE 0 NA-	-5	0.8	-1580	-3160	0	60	4905	-22.7	-72.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	-40.8	257.8	-10.6	-40.8	-257.8	-10.6	-40.8	257.8	-10.6	-40.8	-257.8
LC251 F9 MAINTENANCE VS MIN. ANGLE 0	-30	0.5	45	162	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	0.4	105.7	4.9	0.4	-105.7	4.9	0.4	105.7	4.9	0.4	-105.7
LC252 F12 BR G VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-2	0	-36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	2.9	0	-70.1	2.9	0	70.1	2.9	0	-70.1
LC253 F12 BR P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	2.9	0	-70.1	2.9	0	70.1	2.9	0	-70.1
LC254 F12 BR P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	2.9	0	-70.1	9.9	0	0	2.9	0	-70.1
LC255 F12 BR G + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	9.9	0	0	2.9	0	70.1	2.9	0	-70.1
LC256 F12 BR G + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	2.9	0	-70.1	2.9	0	70.1	9.9	0	0
LC257 F12 BR P1 + P2 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	9.9	0	0	2.9	0	70.1	9.9	0	0
LC258 F12 BR G + P2 + P1 VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	9.9	0	0	2.9	0	70.1	9.9	0	0
LC259 F12 BR G D + P2 + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-2	0	72	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	9.9	0	0	2.9	0	70.1	9.9	0	0
LC260 F12 BR G + P2 D + P1 VS MIN. ANGLE 0	0	1	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	9.9	0	0	2.9	0	140.1	9.9	0	0
LC261 F12 BR G + P2 + P1 D VS MIN. ANGLE 0	0	1	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	140.1	9.9	0	0	2.9	0	70.1	9.9	0	0
LC262 F6 UBL G VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-40.9	0	174.1	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	-42.2	0	-281.4	-42.2	0	281.4	-42.2	0	-281.4
LC263 F6 UBL P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-78.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	-42.2	0	-281.4	-42.2	0	281.4	-42.2	0	-281.4
LC264 F6 UBL P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-78.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	3.7	0	-56.8	-42.2	0	281.4	-42.2	0	-281.4
LC265 F6 UBL G + P1 VS MIN. ANGLE 0	-5	0.8	0	0	0	135	4905	-40.9	0	174.1	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	3.7	0	-56.8	-42.2	0	281.4	-42.2	0	-281.4
LC266 F12 UBL G + P1 + P2 VS MIN. ANGLE 0	-5	0.8	0	0	0	115	4905	-34.1	0	161.3	0	0	0	0	0	0	0	0	0	0	0	0	-35.2	0	282.6	2.9	0	-71.7	-35.2	0	282.6	2.9	0	-71.7
LC267 F6 EXTREME UBL G VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-39.1	0	211.4	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	-42.2	0	-281.4	-42.2	0	281.4	-42.2	0	-281.4
LC268 F6 EXTREME UBL P1 VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-78.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	10.2	0	0	-42.2	0	281.4	-42.2	0	-281.4
LC269 F6 EXTREME UBL P2 VS MIN. ANGLE 0	-5	1	0	0	0	135	4905	-78.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-42.2	0	281.4	-42.2	0	-281.4	-42.2	0	281.4	10.2	0	0
LC270 F12 EDT VS MIN. ANGLE 0	0	0.8	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	70.1	2.9	0	-70.1	2.9	0	70.1	2.9	0	-70.1
LC271 F9 COLD VS MIN. ANGLE 0	-15	0.8	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	95.1	2.9	0	-95.1	2.9	0	95.1	2.9	0	-95.1

STRUCTURE TYPE: LATTICE ANGLE TOWER D1			WIND ON STRUCTURE AND			ICE ON		POINTS OF LOADING ATTACHMENT																							
LINE DEFLECTION: 0° TO 45°								G			E2			E2b			E1			E1b			P1			P1b			P2			P2b		
LOAD COMBINATION	TEMP. (°C)	STRENGTH FACTOR	WIND ON CABLE (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC1 F3 MAX. TRANS WIND ANGLE 45 NA+	-20	0.8	1290	4644	0	0	0	5.2	36.4	0	9.2	35	58.1	9.2	35	-58.1	9.2	35	58.1	9.2	35	-58.1	27.4	61.8	106.5	27.4	61.8	-106.5	27.4	61.8	106.5	27.4	61.8	-106.5
LC2 F3 MAX. TRANS WIND ANGLE 45 NA-	-20	0.8	-1290	-4644	0	0	0	5.2	19.2	0	9.2	16.1	65.4	9.2	16.1	-65.4	9.2	16.1	65.4	9.2	16.1	-65.4	27.4	31.1	117.7	27.4	31.1	-117.7	27.4	31.1	117.7	27.4	31.1	-117.7
LC3 F3 MAX. LONG WIND ANGLE 45 NA+	-20	0.8	0	0	4644	0	0	5.2	36.4	0	9.2	35	58.1	9.2	35	-58.1	9.2	35	58.1	9.2	35	-58.1	27.4	61.8	106.5	27.4	61.8	-106.5	27.4	61.8	106.5	27.4	61.8	-106.5
LC4 F3 MAX. LONG WIND ANGLE 45 NA-	-20	0.8	0	0	-4644	0	0	5.2	19.2	0	9.2	16.1	65.4	9.2	16.1	-65.4	9.2	16.1	65.4	9.2	16.1	-65.4	27.4	31.1	117.7	27.4	31.1	-117.7	27.4	31.1	117.7	27.4	31.1	-117.7
LC5 F3 45° OBLIQUE WIND ANGLE 45 BI+	-20	0.8	912	3284	3284	0	0	5.2	25.1	-10.4	9.2	15.6	32.8	9.2	31.1	-52.9	9.2	15.6	32.8	9.2	31.1	-52.9	27.4	33.7	72.7	27.4	55.6	-98.6	27.4	33.7	72.7	27.4	55.6	-98.6
LC6 F3 45° OBLIQUE WIND ANGLE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	5.2	16.3	-12.8	9.2	12	33.8	9.2	15.2	-59.1	9.2	12	33.8	9.2	15.2	-59.1	27.4	27.2	74.4	27.4	30	-108.2	27.4	27.2	74.4	27.4	30	-108.2
LC7 F1 MAX. ICE ANGLE 45	-5	0.8	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC8 F1 WIND + ICE ANGLE 45 NA+	-5	0.8	305	610	0	25	8825	23.7	51.6	0	23.1	36.9	73.8	23.1	36.9	-73.8	23.1	36.9	73.8	23.1	36.9	-73.8	47	61.8	130.6	47	61.8	-130.6	47	61.8	130.6	47	61.8	-130.6
LC9 F1 WIND + ICE ANGLE 45 NA-	-5	0.8	-305	-610	0	25	8825	23.7	33.9	0	23.1	26.1	78.2	23.1	26.1	-78.2	23.1	26.1	78.2	23.1	26.1	-78.2	47	48.6	135.7	47	48.6	-135.7	47	48.6	135.7	47	48.6	-135.7
LC10 F1 G + E1 + E2 + P1 + P2 ANGLE 45	-30	0.5	45	162	0	0	0	27.5	37.4	2.4	29.5	34.9	2.3	0	0	0	29.5	34.9	2.3	0	0	0	71.1	68.7	4.4	0	0	0	71.1	68.7	4.4	0	0	0
LC11 F1 G + E2 + P2 ANGLE 45	-30	0.5	45	162	0	0	0	27.5	37.4	2.4	29.5	34.9	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71.1	68.7	4.4	0	0	0
LC12 F1 TD G + E1 + P1 ANGLE 45	-30	0.5	45	162	0	0	0	27.5	37.4	2.4	0	0	0	0	0	0	29.5	34.9	2.3	0	0	0	71.1	68.7	4.4	0	0	0	0	0	0	0	0	0
LC13 F3 MAINTENANCE ANGLE 45	-30	0.5	45	162	0	0	0	9.2	18.3	0	11.2	16	37.8	11.2	16	-37.8	11.2	16	37.8	11.2	16	-37.8	29.4	36.4	86.4	29.4	36.4	-86.4	29.4	36.4	86.4	29.4	36.4	-86.4
LC14 F3 BR G ANGLE 45	0	0.8	0	0	0	0	0	2.6	7	-16.9	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	27.4	28	-67.7	27.4	28	67.7	27.4	28	-67.7
LC15 F3 BR P1 ANGLE 45	0	0.8	0	0	0	0	0	5.2	14	0	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	9.3	0	0	27.4	28	-67.7	27.4	28	67.7	27.4	28	-67.7
LC16 F3 BR P2 ANGLE 45	0	0.8	0	0	0	0	0	5.2	14	0	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	27.4	28	-67.7	9.3	0	0	27.4	28	-67.7
LC17 F3 BR G + P1 ANGLE 45	0	0.8	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	9.3	0	0	27.4	28	67.7	27.4	28	-67.7
LC18 F3 BR G + P2 ANGLE 45	0	0.8	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	27.4	28	-67.7	27.4	28	67.7	9.3	0	0
LC19 F3 BR P1 + P2 ANGLE 45	0	0.8	0	0	0	0	0	5.2	14	0	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	9.3	0	0	27.4	28	67.7	9.3	0	0
LC20 F3 BR P1 + E1 ANGLE 45	0	0.8	0	0	0	0	0	5.2	14	0	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	28	67.7	27.4	28	-67.7
LC21 F3 BR G + E1 ANGLE 45	0	0.8	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	1.9	0	0	27.4	28	67.7	27.4	28	-67.7	27.4	28	67.7	27.4	28	-67.7
LC22 F3 BR G + E2 + E1 + P2 + P1 ANGLE 45	0	0.8	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	1.9	0	0	9.2	12.4	30	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	28	67.7	9.3	0	0
LC23 F3 BR G D + E2 + E1 + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	2.6	17.5	42.3	9.2	12.4	30	1.9	0	0	9.2	12.4	30	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	28	67.7	9.3	0	0
LC24 F3 BR G + E2 D + E1 + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	2.6	7	16.9	9.2	31	74.9	1.9	0	0	9.2	12.4	30	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	28	67.7	9.3	0	0
LC25 F3 BR G + E2 + E1 D + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	1.9	0	0	9.2	31	74.9	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	28	67.7	9.3	0	0
LC26 F3 BR G + E2 + E1 + P2 D + P1 ANGLE 45	0	1	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	1.9	0	0	9.2	12.4	30	1.9	0	0	27.4	28	67.7	9.3	0	0	27.4	70.1	169.2	9.3	0	0
LC27 F3 BR G + E2 + E1 + P2 + P1 D ANGLE 45	0	1	0	0	0	0	0	2.6	7	16.9	9.2	12.4	30	1.9	0	0	9.2	12.4	30	1.9	0	0	27.4	70.1	169.2	9.3	0	0	27.4	28	67.7	9.3	0	0
LC28 F1 UBL G ANGLE 45	-5	0.8	0	0	0	50	8825	35.3	44.2	72.1	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC29 F1 UBL E1 ANGLE 45	-5	0.8	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	9.4	12.2	-29.4	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC30 F1 UBL P1 ANGLE 45	-5	0.8	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	28	28.7	-69.3	77.6	85.6	206.6	77.6	85.6	-206.6
LC31 F1 UBL G + P1 ANGLE 45	-5	0.8	0	0	0	50	8825	35.3	44.2	72.1	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	28	28.7	-69.3	77.6	85.6	206.6	77.6	85.6	-206.6
LC32 F1 UBL G + E1 + P1 ANGLE 45	-5	0.8	0	0	0	50	8825	35.3	44.2	72.1	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	9.4	12.2	-29.4	77.6	85.6	206.6	28	28.7	-69.3	77.6	85.6	206.6	77.6	85.6	-206.6
LC33 F1 UBL G + E1 + E2 + P1 + P2 ANGLE 45	-5	0.8	0	0	0	50	8825	35.3	44.2	72.1	48.3	50.5	121.8	9.4	12.2	-29.4	48.3	50.5	121.8	9.4	12.2	-29.4	77.6	85.6	206.6	28	28.7	-69.3	77.6	85.6	206.6	28	28.7	-69.3
LC34 F1 EXTREME UBL G ANGLE 45	-5	1	0	0	0	50	8825	32.6	37	89.4	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC35 F1 EXTREME UBL P1 ANGLE 45	-5	1	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	9.3	0	0	77.6	85.6	206.6	77.6	85.6	-206.6
LC36 F1 EXTREME UBL P2 ANGLE 45	-5	1	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	9.3	0	0
LC37 F1 EXTREME UBL E2 ANGLE 45	-5	1	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	1.9	0	0	48.3	50.5	121.8	48.3	50.5	-121.8	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC38 F1 EXTREME UBL E1 ANGLE 45	-5	1	0	0	0	50	8825	65.2	74.1	0	48.3	50.5	121.8	48.3	50.5	-121.8	48.3	50.5	121.8	1.9	0	0	77.6	85.6	206.6	77.6	85.6	-206.6	77.6	85.6	206.6	77.6	85.6	-206.6
LC39 F3 EDT ANGLE 45	0	0.8	0	0	0	0	0	5.2	14	0	9.2	12.4	30	9.2	12.4	-30	9.2	12.4	30	9.2	12.4	-30	27.4	28	67.7	27.4	28	-67.7	27.4	28	67.7	27.4	28	-67.7
LC40 F3 COLD ANGLE 45	-30	0.8	0	0	0	0	0	5.2	18	0	9.2	15.7	37.8	9.2	15.7	-37.8	9.2	15.7	37.8	9.2	15.7	-37.8	27.4	35.8	86.5	27.4	35.8	-86.5	27.4	35.8	86.5	27.4	35.8	-86.5
LC41 F3 MAX. TRANS WIND VS MIN. ANGLE 45 NA+	-20	0.8	1290	4644	0	0	0	-2.5	36.5	0	-1.7	36.7	62.2	-1.7	36.7	-62.2	-1.7	36.7	62.2	-1.7	36.7	-62.2	0.3	62.1	107.4	0.3	62.1	-107.4	0.3	62.1	107.4	0.3	62.1	-107.4
LC42 F3 MAX. TRANS WIND VS MIN. ANGLE 45 NA-	-20	0.8	-1290	-4644	0	0	0	-2.5	19.3	0	-1.7	17.8	69.4	-1.7	17.8	-69.4	-1.7	17.8	69.4	-1.7	17.8	-69.4	0.3	31.5	118.6	0.3	31.5	-118.6	0.3	31.5	118.6	0.3	31.5	-118.6
LC43 F3 MAX. LONG WIND VS MIN. ANGLE 45 NA+	-20	0.8	0	0	4644	0	0	-2.5	36.5	0	-1.7	36.7	62.2	-1.7	36.7	-62.2	-1.7	36.7	62.2	-1.7	36.7	-62.2	0.3	62.1	107.4	0.3	62.1	-107.4	0.3	62.1	107.4	0.3	62.1	-107.4
LC44 F3 MAX. LONG WIND VS MIN. ANGLE 45 NA-	-20	0.8	0	0	-4644	0	0	-2.5	19.3	0	-1.7	17.8	69.4	-1.7	17.8	-69.4	-1.7	17.8	69.4	-1.7	17.8	-69.4	0.3	31.5	118.6	0.3	31.5	-118.6	0.3	31.5	118.6	0.3	31.5	-118.6
LC45 F3 45° OBLIQUE WIND VS MIN. ANGLE 45 BI+	-20	0.8	912	3284	3284	0	0	-2.5	25.3	-10.4	-1.7	16.9	35.9	-1.7	32.8	-56.8	-1.7	16.9	35.9	-1.7	32.8	-56.8	0.3	34	73.4	0.3	56	-99.5	0.3	34	73.4	0.3	56	-99.5
LC46 F3 45° OBLIQUE WIND VS MIN. ANGLE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	-2.5	16.4	-12.8	-1.7	13.3	37	-1.7	16.9	-63	-1.7	13.3	37	-1.7	16.9	-63	0.3	27.5	75.1	0.3	30.4	-109.1	0.3	27.5	75.1	0.3	30.4	-109.1
LC47 F1 MAX. ICE VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-30.5	74.2	0	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	-22.7	86.1	-207.7	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC48 F1 WIND + ICE VS MIN. ANGLE 45 NA+	-5	0.8	305	610	0	25	8825	-11	51.7	0	-8	39.5	80.2	-8	39.5	-80.2	-8	39.5	80.2	-8	39.5	-80.2	-8.4	62.2	131.7	-8.4	62.2	-131.7	-8.4	62.2	131.7	-8.4	62.2	-131.7
LC49 F1 WIND + ICE VS MIN. ANGLE 45 NA-	-5	0.8	-305	-610	0	25	8825	-11	34	0	-8	28.7	84.5	-8	28.7	-84.5	-8	28.7	84.5	-8	28.7	-84.5	-8.4	49	136.8	-8.4	49	-136.8	-8.4	49	136.8	-8.4	49	-136.8
LC50 F1 MAINTENANCE VS MIN. ANGLE 45	-30	0.5	45	162	0	0	0	1.6	18.3	0	0.4	18.1	42.9	0.4	18.1	-42.9	0.4	18.1	42.9	0.4	18.1	-42.9	2.6	36.9	87.6	2.6	36.9	-87.6	2.6	36.9	87.6	2.6	36.9	-87.6
LC51 F1 BR G VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.2	7.1	-17.1	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	0.6	28.5	68.9	0.6	28.5	-68.9	0.6	28.5	68.9	0.6	28.5	-68.9
LC52 F1 BR P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	14.1	0	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	9.3	0	0	0.6	28.5	-68.9	0.6	28.5	68.9	0.6	28.5	-68.9
LC53 F1 BR P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	14.1	0	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	0.6	28.5	68.9	0.6	28.5	-68.9	9.3	0	0	0.6	28.5	-68.9
LC54 F1 BR G + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	0.6	28.5	-68.9
LC55 F1 BR G + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	0.6	28.5	68.9	0.6	28.5	-68.9	0.6	28.5	68.9	9.3	0	0
LC56 F1 BR P1 + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	14.1	0	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	-1.6	13.6	-32.8	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC57 F1 BR P1 + E1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	14.1	0	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	0.6	28.5	-68.9
LC58 F1 BR G + E1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	-1.6	13.6	-32.8	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	0.6	28.5	-68.9
LC59 F1 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	1.9	0	0	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC60 F1 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.2	17.7	42.7	-1.6	13.6	32.8	1.9	0	0	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC61 F1 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.2	7.1	17.1	-1.6	33.9	81.9	1.9	0	0	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC62 F1 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	1.9	0	0	-1.6	33.9	81.9	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC63 F1 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	1.9	0	0	-1.6	13.6	32.8	1.9	0	0	0.6	28.5	68.9	9.3	0	0	0.6	71.3	172.2	9.3	0	0
LC64 F1 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.2	7.1	17.1	-1.6	13.6	32.8	1.9	0	0	-1.6	13.6	32.8	1.9	0	0	0.6	71.3	172.2	9.3	0	0	0.6	28.5	68.9	9.3	0	0
LC65 F1 UBL G VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-16.5	44.3	72.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	-22.7	86.1	-207.7	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC66 F1 UBL E1 VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-30.5	74.2	0	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-1.6	13.8	-33.4	-22.7	86.1	207.7	-22.7	86.1	-207.7	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC67 F1 UBL P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-30.5	74.2	0	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	0.6	29	-70	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC68 F1 UBL G + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-16.5	44.3	72.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	0.6	29	-70	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC69 F1 UBL G + E1 + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-16.5	44.3	72.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-1.6	13.8	-33.4	-22.7	86.1	207.7	0.6	29	-70	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC70 F1 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 45	-5	0.8	0	0	0	50	8825	-16.5	44.3	72.1	-19.9	52.6	127.1	-1.6	13.8	-33.4	-19.9	52.6	127.1	-1.6	13.8	-33.4	-22.7	86.1	207.7	0.6	29	-70	-22.7	86.1	207.7	0.6	29	-70
LC71 F1 EXTREME UBL G VS MIN. ANGLE 45	-5	1	0	0	0	50	8825	-15.2	37.1	89.6	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	-22.7	86.1	-207.7	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC72 F1 EXTREME UBL P1 VS MIN. ANGLE 45	-5	1	0	0	0	50	8825	-30.5	74.2	0	-19.9	52.6	127.1	-19.9	52.6	-127.1	-19.9	52.6	127.1	-19.9	52.6	-127.1	-22.7	86.1	207.7	9.3	0	0	-22.7	86.1	207.7	-22.7	86.1	-207.7
LC73 F1 EXTREME UBL P2 VS MIN. ANGLE 45	-5	1	0	0

LC86 F1 WIND + ICE DE 0 NA-	-5	0.8	-305	-610	0	25	8825	9.1	-4.8	55.9	18.2	-5.8	86.2	0	0	0	18.2	-5.8	86.2	0	0	0	38.3	-7.1	144.7	0	0	0	38.3	-7.1	144.7	0	0	0
LC87 F3 MAINTENANCE DE 0	-30	0.5	45	162	0	0	0	4	0.1	23.6	9.5	0.3	45.7	0	0	0	9.5	0.3	45.7	0	0	0	25.2	0.6	94.5	0	0	0	25.2	0.6	94.5	0	0	0
LC88 F3 BR G DE 0	0	0.8	0	0	0	0	0	0	0	0	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	23.2	0	73.6	0	0	0	23.2	0	73.6	0	0	0
LC89 F3 BR P1 DE 0	0	0.8	0	0	0	0	0	2	0	18.4	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	9.3	0	0	0	0	0	23.2	0	73.6	0	0	0
LC90 F3 BR P2 DE 0	0	0.8	0	0	0	0	0	2	0	18.4	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	23.2	0	73.6	0	0	0	9.3	0	0	0	0	0
LC91 F3 BR G + P1 DE 0	0	0.8	0	0	0	0	0	0	0	0	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	9.3	0	0	0	0	0	23.2	0	73.6	0	0	0
LC92 F3 BR G + P2 DE 0	0	0.8	0	0	0	0	0	0	0	0	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	23.2	0	73.6	0	0	0	9.3	0	0	0	0	0
LC93 F3 BR P1 + P2 DE 0	0	0.8	0	0	0	0	0	2	0	18.4	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	9.3	0	0	0	0	0	9.3	0	0	0	0	0
LC94 F3 BR P1 + E1 DE 0	0	0.8	0	0	0	0	0	2	0	18.4	7.5	0	34.8	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	23.2	0	73.6	0	0	0
LC95 F1 BR G + E1 DE 0	0	0.8	0	0	0	0	0	0	0	0	7.7	0	33.6	0	0	0	1.9	0	0	0	0	0	23.7	0	74.2	0	0	0	23.7	0	74.2	0	0	0
LC96 F1 UBL G DE 0	-5	0.8	0	0	0	50	8825	2.1	0	18.8	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	61.9	0	224.3	0	0	0	61.9	0	224.3	0	0	0
LC97 F1 UBL E1 DE 0	-5	0.8	0	0	0	50	8825	25.1	0	96.9	37.7	0	135.1	0	0	0	7.7	0	34.2	0	0	0	61.9	0	224.3	0	0	0	61.9	0	224.3	0	0	0
LC98 F1 UBL P1 DE 0	-5	0.8	0	0	0	50	8825	25.1	0	96.9	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	23.7	0	75.4	0	0	0	61.9	0	224.3	0	0	0
LC99 F1 UBL G + P1 DE 0	-5	0.8	0	0	0	50	8825	2.1	0	18.8	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	23.7	0	75.4	0	0	0	61.9	0	224.3	0	0	0
LC100 F1 UBL G + E1 + P1 DE 0	-5	0.8	0	0	0	50	8825	2.1	0	18.8	37.7	0	135.1	0	0	0	7.7	0	34.2	0	0	0	23.7	0	75.4	0	0	0	61.9	0	224.3	0	0	0
LC101 F1 EXTREME UBL G DE 0	-5	1	0	0	0	50	8825	0	0	0	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	61.9	0	224.3	0	0	0	61.9	0	224.3	0	0	0
LC102 F1 EXTREME UBL P1 DE 0	-5	1	0	0	0	50	8825	25.1	0	96.9	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	9.3	0	0	0	0	0	61.9	0	224.3	0	0	0
LC103 F1 EXTREME UBL P2 DE 0	-5	1	0	0	0	50	8825	25.1	0	96.9	37.7	0	135.1	0	0	0	37.7	0	135.1	0	0	0	61.9	0	224.3	0	0	0	9.3	0	0	0	0	0
LC104 F1 EXTREME UBL E2 DE 0	-5	1	0	0	0	50	8825	25.1	0	96.9	1.9	0	0	0	0	0	37.7	0	135.1	0	0	0	61.9	0	224.3	0	0	0	61.9	0	224.3	0	0	0
LC105 F1 EXTREME UBL E1 DE 0	-5	1	0	0	0	50	8825	25.1	0	96.9	37.7	0	135.1	0	0	0	1.9	0	0	0	0	0	61.9	0	224.3	0	0	0	61.9	0	224.3	0	0	0
LC106 F3 EDT DE 45	0	0.8	0	0	0	0	0	2	0	18.4	7.5	0	34.8	0	0	0	7.5	0	34.8	0	0	0	23.2	0	73.6	0	0	0	23.2	0	73.6	0	0	0
LC107 F3 COLD DE 45	-30	0.8	0	0	0	0	0	2	0	23.6	7.5	0	45.6	0	0	0	7.5	0	45.6	0	0	0	23.2	0	94.4	0	0	0	23.2	0	94.4	0	0	0
LC108 F3 MAX. TRANS WIND VS MIN. DE 0 NA+	-20	0.8	1290	4644	0	0	0	-1	4.6	36.4	-0.9	10.2	71.3	0	0	0	-0.9	10.2	71.3	0	0	0	2.3	16.4	122.5	0	0	0	2.3	16.4	122.5	0	0	0
LC109 F3 MAX. TRANS WIND VS MIN. DE 0 NA-	-20	0.8	-1290	-4644	0	0	0	-1	-4.6	36.4	-0.9	-10.2	71.3	0	0	0	-0.9	-10.2	71.3	0	0	0	2.3	-16.4	122.5	0	0	0	2.3	-16.4	122.5	0	0	0
LC110 F3 MAX. LONG WIND VS MIN. DE 0 NA+	-20	0.8	0	0	4644	0	0	-1	4.6	36.4	-0.9	10.2	71.3	0	0	0	-0.9	10.2	71.3	0	0	0	2.3	16.4	122.5	0	0	0	2.3	16.4	122.5	0	0	0
LC111 F3 MAX. LONG WIND VS MIN. DE 0 NA-	-20	0.8	0	0	-4644	0	0	-1	-4.6	36.4	-0.9	-10.2	71.3	0	0	0	-0.9	-10.2	71.3	0	0	0	2.3	-16.4	122.5	0	0	0	2.3	-16.4	122.5	0	0	0
LC112 F3 45° OBLIQUE WIND VS MIN. DE 0 BI+	-20	0.8	912	3284	3284	0	0	-1	2.4	26.5	-0.9	5.2	50.1	0	0	0	-0.9	5.2	50.1	0	0	0	2.3	8.6	92.8	0	0	0	2.3	8.6	92.8	0	0	0
LC113 F3 45° OBLIQUE WIND VS MIN. DE 0 BI-	-20	0.8	-912	-3284	-3284	0	0	-1	-2.4	26.5	-0.9	-5.2	50.1	0	0	0	-0.9	-5.2	50.1	0	0	0	2.3	-8.6	92.8	0	0	0	2.3	-8.6	92.8	0	0	0
LC114 F1 MAX. ICE VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC115 F1 WIND + ICE VS MIN. DE 0 NA+	-5	0.8	305	610	0	25	8825	-4.3	4.8	56	-5.8	5.8	89.2	0	0	0	-5.8	5.8	89.2	0	0	0	-4.4	7.1	145.4	0	0	0	-4.4	7.1	145.4	0	0	0
LC116 F1 WIND + ICE VS MIN. DE 0 NA-	-5	0.8	-305	-610	0	25	8825	-4.3	-4.8	56	-5.8	-5.8	89.2	0	0	0	-5.8	-5.8	89.2	0	0	0	-4.4	-7.1	145.4	0	0	0	-4.4	-7.1	145.4	0	0	0
LC117 F1 MAINTENANCE VS MIN. DE 0	-30	0.5	45	162	0	0	0	1.1	0.1	23.6	1.2	0.3	46.6	0	0	0	1.2	0.3	46.6	0	0	0	4.5	0.6	95.2	0	0	0	4.5	0.6	95.2	0	0	0
LC118 F1 BR G VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	2.5	0	74.6	0	0	0	2.5	0	74.6	0	0	0
LC119 F1 BR P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	9.3	0	0	0	0	0	2.5	0	74.6	0	0	0
LC120 F1 BR P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	2.5	0	74.6	0	0	0	9.3	0	0	0	0	0
LC121 F1 BR G + P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	9.3	0	0	0	0	0	2.5	0	74.6	0	0	0
LC122 F1 BR G + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	2.5	0	74.6	0	0	0	9.3	0	0	0	0	0
LC123 F1 BR P1 + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	9.3	0	0	0	0	0	9.3	0	0	0	0	0
LC124 F1 BR P1 + E1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.8	0	35.5	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	2.5	0	74.6	0	0	0
LC125 F1 BR G + E1 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-0.8	0	35.5	0	0	0	1.9	0	0	0	0	0	2.5	0	74.6	0	0	0	2.5	0	74.6	0	0	0
LC126 F1 UBL G VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-0.9	0	18.9	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC127 F1 UBL E1 VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	-0.8	0	36.2	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC128 F1 UBL P1 VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	2.5	0	75.8	0	0	0	-15.6	0	225	0	0	0
LC129 F1 UBL G + P1 VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-0.9	0	18.9	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	2.5	0	75.8	0	0	0	-15.6	0	225	0	0	0
LC130 F1 UBL G + E1 + P1 VS MIN. DE 0	-5	0.8	0	0	0	50	8825	-0.9	0	18.9	-15	0	137.6	0	0	0	-0.8	0	36.2	0	0	0	2.5	0	75.8	0	0	0	-15.6	0	225	0	0	0
LC131 F1 EXTREME UBL G VS MIN. DE 0	-5	1	0	0	0	50	8825	0	0	0	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC132 F1 EXTREME UBL P1 VS MIN. DE 0	-5	1	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	9.3	0	0	0	0	0	-15.6	0	225	0	0	0
LC133 F1 EXTREME UBL P2 VS MIN. DE 0	-5	1	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	-15	0	137.6	0	0	0	-15.6	0	225	0	0	0	9.3	0	0	0	0	0
LC134 F1 EXTREME UBL E2 VS MIN. DE 0	-5	1	0	0	0	50	8825	-11.9	0	97	1.9	0	0	0	0	0	-15	0	137.6	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC135 F1 EXTREME UBL E1 VS MIN. DE 0	-5	1	0	0	0	50	8825	-11.9	0	97	-15	0	137.6	0	0	0	1.9	0	0	0	0	0	-15.6	0	225	0	0	0	-15.6	0	225	0	0	0
LC136 F1 EDT VS MIN. DE 0	0	0.8	0	0	0	0	0	-0.9	0	18.5	-0.8	0	35.5	0	0	0	-0.8	0	35.5	0	0	0	2.5	0	74.6	0	0	0	2.5	0	74.6	0	0	0
LC137 F1 COLD VS MIN. DE 0	-30	0.8	0	0	0	0	0	-0.9	0	23.5	-0.8	0	46.5	0	0	0	-0.8	0	46.5	0	0	0	2.5	0	95.1	0	0	0	2.5	0	95.1	0	0	0
LC138 F3 MAX. TRANS WIND DE 45 NA+	-20	0.8	1290	4644	0	0	0	2	18.2	31.9	7.5	36.5	61.6	0	0	0	7.5	36.5	61.6	0	0	0	23.2	62	107	0	0	0	23.2	62	107	0	0	0
LC139 F3 MAX. TRANS WIND DE 45 NA-	-20	0.8	-1290	-4644	0	0	0	2	9.6	35.3	7.5	17.6	68.8	0	0	0	7.5	17.6	68.8	0	0	0	23.2	31.3	118.2	0	0	0	23.2	31.3	118.2	0	0	0
LC140 F3 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	4644	0	0	2	18.2	31.9	7.5	36.5	61.6	0	0	0	7.5	36.5	61.6	0	0	0	23.2	62	107	0	0	0	23.2	62	107	0	0	0
LC141 F3 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-4644	0	0	2	9.6	35.3	7.5	17.6	68.8	0	0	0	7.5	17.6	68.8	0	0	0	23.2	31.3	118.2	0	0	0	23.2	31.3	118.2	0	0	0
LC142 F3 45° OBLIQUE WIND DE 45 BI+	-20	0.8	912	3284	3284	0	0	2	8.8	19.1	7.5	16.7	35.4	0	0	0	7.5	16.7	35.4	0	0	0	23.2	33.9	73.1	0	0	0	23.2	33.9	73.1	0	0	0
LC143 F3 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	2	7.2	19.5	7.5	13.1	36.5	0	0	0	7.5	13.1	36.5	0	0	0	23.2	27.4	74.8	0	0	0	23.2	27.4	74.8	0	0	0
LC144 F1 MAX. ICE DE 45	-5	0.8	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC145 F1 WIND + ICE DE 45 NA+	-5	0.8	305	610	0	25	8825	9.1	25.8	49.8	18.2	38.4	77.5	0	0	0	18.2	38.4	77.5	0	0	0	38.3	62	131.2	0	0	0	38.3	62	131.2	0	0	0
LC146 F1 WIND + ICE DE 45 NA-	-5	0.8	-305	-610	0	25	8825	9.1	17	53.4	18.2	27.6	81.8	0	0	0	18.2	27.6	81.8	0	0	0	38.3	48.8	136.3	0	0	0	38.3	48.8	136.3	0	0	0
LC147 F3 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	4	9.2	21.8	9.5	17.8	42.1	0	0	0	9.5	17.8	42.1	0	0	0	25.2	36.7	87.1	0	0	0	25.2	36.7	87.1	0	0	0
LC148 F3 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	23.2	28.2	68	0	0	0
LC149 F3 BR P1 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC150 F3 BR P2 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	9.3	0	0	0	0	0
LC151 F3 BR G + P1 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC152 F3 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	9.3	0	0	0	0	0
LC153 F3 BR P1 + P2 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	9.3	0	0	0	0	0	9.3	0	0	0	0	0
LC154 F3 BR P1 + E1 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC155 F1 BR G + E1 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.7	12.9	31	0	0	0	1.9	0	0	0	0	0	23.7	28.4	68.6	0	0	0	23.7	28.4	68.6	0	0	0
LC156 F1 UBL G DE 45	-5	0.8	0	0	0	50	8825	2.1	7.2	17.4	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC157 F1 UBL E1 DE 45	-5	0.8	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	7.7	13.1	31.6	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC158 F1 UBL P1 DE 45	-5	0.8	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	23.7	28.8	69.6	0	0	0	61.9	85.8	207.2	0	0	0
LC159 F1 UBL G + P1 DE 45	-5	0.8	0	0	0	50	8825	2.1	7.2	17.4	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	23.7	28.8	69.6	0	0	0	61.9	85.8	207.2	0	0	0
LC160 F1 UBL G + E1 + P1 DE 45	-5	0.8	0	0	0	50	8825	2.1	7.2	17.4	37.7	51.7	124.8	0	0	0	7.7	13.1	31.6	0	0	0	23.7	28.8	69.6	0	0	0	61.9	85.8	207.2	0	0	0
LC161 F1 EXTREME UBL G DE 45	-5	1	0	0	0	50	8825	0	0	0	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC162 F1 EXTREME UBL P1 DE 45	-5	1	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	9.3	0	0	0	0	0	61.9	85.8	207.2	0	0	0
LC163 F1 EXTREME UBL P2 DE 45	-5	1	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	37.7	51.7	124.8	0	0	0	61.9	85.8	207.2	0	0	0	9.3	0	0	0	0	0
LC164 F1 EXTREME UBL E2 DE 45	-5	1	0	0	0	50	8825	25.1	37.1	89.5	1.9	0	0	0	0	0	37.7	51.7	124.8	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC165 F1 EXTREME UBL E1 DE 45	-5	1	0	0	0	50	8825	25.1	37.1	89.5	37.7	51.7	124.8	0	0	0	1.9	0	0	0	0	0	61.9	85.8	207.2	0	0	0	61.9	85.8	207.2	0	0	0
LC166 F3 EDT DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	23.2	28.2	68	0	0	0
LC167 F3 COLD DE 45	-30	0.8	0	0	0	0	0	2	9	21.8	7.5	17.5	42.2	0	0	0	7.5	17.5	42.2	0	0	0	23.2	36.1	87.2	0	0	0	23.2	36.1	87.2	0	0	0
LC168 F3 MAX. TRANS WIND VS MIN. DE 45 NA+	-20	0.8	1290	4644	0	0	0	-1	18.2	32	-0.9	36.7	62.2	0	0	0	-0.9	36.7	62.2	0	0	0	2.3	62.2	107.5	0	0	0	2.3	62.2	107.5	0	0	0
LC169 F3 MAX. TRANS WIND VS MIN. DE 45 NA-	-20	0.8	-1290	-4644	0	0	0	-1	9.6	35.3	-0.9	17.8	69.5	0	0	0	-0.9	17.8	69.5	0	0	0	2.3	31.6	118.8	0	0	0	2.3	31.6	118.8	0	0	0
LC170 F3 MAX. LONG WIND VS MIN. DE 45 NA+	-20	0.8	0	0	4644	0	0	-1	18.2	32	-0.9	36.7	62.2	0	0	0	-0.9	36.7	62.2	0	0	0	2.3	62.2	107.5	0	0	0	2.3	62.2	107.5	0	0	0
LC171 F3 MAX. LONG WIND VS MIN. DE 45 NA-	-20	0.8	0	0	-4644	0	0	-1	9.6	35.3

LC177 F1 MAINTENANCE VS MIN. DE 45	-30	0.5	45	162	0	0	0	1.1	9.2	21.7	1.2	18.1	42.9	0	0	0	1.2	18.1	42.9	0	0	0	4.5	37	87.8	0	0	0	4.5	37	87.8	0	0	0
LC178 F1 BR G VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC179 F1 BR P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC180 F1 BR P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	9.3	0	0	0	0	0
LC181 F1 BR G + P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC182 F1 BR G + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	9.3	0	0	0	0	0
LC183 F1 BR P1 + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	9.3	0	0	0	0	0	9.3	0	0	0	0	0
LC184 F1 BR P1 + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC185 F1 BR G + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	1.9	0	0	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC186 F1 UBL G VS MIN. DE 45	-5	0.8	0	0	0	50	8825	-0.9	7.2	17.5	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	-15.6	86.1	207.9	0	0	0	-15.6	86.1	207.9	0	0	0
LC187 F1 UBL E1 VS MIN. DE 45	-5	0.8	0	0	0	50	8825	-11.9	37.1	89.6	-15	52.6	127.1	0	0	0	-0.8	13.8	33.4	0	0	0	-15.6	86.1	207.9	0	0	0	-15.6	86.1	207.9	0	0	0
LC188 F1 UBL P1 VS MIN. DE 45	-5	0.8	0	0	0	50	8825	-11.9	37.1	89.6	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	2.5	29	70	0	0	0	-15.6	86.1	207.9	0	0	0
LC189 F1 UBL G + P1 VS MIN. DE 45	-5	0.8	0	0	0	50	8825	-0.9	7.2	17.5	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	2.5	29	70	0	0	0	-15.6	86.1	207.9	0	0	0
LC190 F1 UBL G + E1 + P1 VS MIN. DE 45	-5	0.8	0	0	0	50	8825	-0.9	7.2	17.5	-15	52.6	127.1	0	0	0	-0.8	13.8	33.4	0	0	0	2.5	29	70	0	0	0	-15.6	86.1	207.9	0	0	0
LC191 F1 EXTREME UBL G VS MIN. DE 45	-5	1	0	0	0	50	8825	0	0	0	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	-15.6	86.1	207.9	0	0	0	-15.6	86.1	207.9	0	0	0
LC192 F1 EXTREME UBL P1 VS MIN. DE 45	-5	1	0	0	0	50	8825	-11.9	37.1	89.6	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	9.3	0	0	0	0	0	-15.6	86.1	207.9	0	0	0
LC193 F1 EXTREME UBL P2 VS MIN. DE 45	-5	1	0	0	0	50	8825	-11.9	37.1	89.6	-15	52.6	127.1	0	0	0	-15	52.6	127.1	0	0	0	-15.6	86.1	207.9	0	0	0	9.3	0	0	0	0	0
LC194 F1 EXTREME UBL E2 VS MIN. DE 45	-5	1	0	0	0	50	8825	-11.9	37.1	89.6	1.9	0	0	0	0	0	-15	52.6	127.1	0	0	0	-15.6	86.1	207.9	0	0	0	-15.6	86.1	207.9	0	0	0
LC195 F1 EXTREME UBL E1 VS MIN. DE 45	-5	1	0	0	0	50	8825	-11.9	37.1	89.6	-15	52.6	127.1	0	0	0	1.9	0	0	0	0	0	-15.6	86.1	207.9	0	0	0	-15.6	86.1	207.9	0	0	0
LC196 F1 EDT VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC197 F1 COLD VS MIN. DE 45	-30	0.8	0	0	0	0	0	-0.9	9	21.7	-0.8	17.8	43	0	0	0	-0.8	17.8	43	0	0	0	2.5	36.4	87.9	0	0	0	2.5	36.4	87.9	0	0	0
LC198 F10 MAX. TRANS WIND ANGLE 45 NA+	-20	0.8	1290	4644	0	0	0	6	39.1	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	64.8	105.6	35.3	64.8	-105.6	35.3	64.8	105.6	35.3	64.8	-105.6
LC199 F10 MAX. TRANS WIND ANGLE 45 NA-	-20	0.8	-1290	-4644	0	0	0	6	18.8	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.2	118.9	35.3	28.2	-118.9	35.3	28.2	118.9	35.3	28.2	-118.9
LC200 F10 MAX. LONG WIND ANGLE 45 NA+	-20	0.8	0	0	4644	0	0	6	39.1	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	64.8	105.6	35.3	64.8	-105.6	35.3	64.8	105.6	35.3	64.8	-105.6
LC201 F10 MAX. LONG WIND ANGLE 45 NA-	-20	0.8	0	0	-4644	0	0	6	18.8	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.2	118.9	35.3	28.2	-118.9	35.3	28.2	118.9	35.3	28.2	-118.9
LC202 F10 45° OBLIQUE WIND ANGLE 45 BI+	-20	0.8	912	3284	3284	0	0	6	26.2	-11.7	0	0	0	0	0	0	0	0	0	0	0	0	35.3	33.8	71.3	35.3	58	-97.4	35.3	33.8	71.3	35.3	58	-97.4
LC203 F10 45° OBLIQUE WIND ANGLE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	6	15.9	-14.5	0	0	0	0	0	0	0	0	0	0	0	0	35.3	26.1	73.3	35.3	27.4	-108.9	35.3	26.1	73.3	35.3	27.4	-108.9
LC204 F8 MAX. ICE ANGLE 45	-5	0.8	0	0	0	75	8825	129	152.9	0	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	113.4	102.8	-248.1	113.4	102.8	248.1	113.4	102.8	-248.1
LC205 F8 WIND+ICE ANGLE 45 NA+	-5	0.8	305	610	0	45	8825	58.9	111	0	0	0	0	0	0	0	0	0	0	0	0	0	69.2	77	162.1	69.2	77	-162.1	69.2	77	162.1	69.2	77	-162.1
LC206 F8 WIND+ICE ANGLE 45 NA-	-5	0.8	-305	-610	0	45	8825	58.9	82.6	0	0	0	0	0	0	0	0	0	0	0	0	0	69.2	60	168.7	69.2	60	-168.7	69.2	60	168.7	69.2	60	-168.7
LC207 F10 MAINTENANCE ANGLE 45	-30	0.5	45	162	0	0	0	10	17.3	0	0	0	0	0	0	0	0	0	0	0	0	0	37.3	34.1	80.5	37.3	34.1	-80.5	37.3	34.1	80.5	37.3	34.1	-80.5
LC208 F10 BR G ANGLE 45	0	0.8	0	0	0	0	0	3	7	-16.9	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	35.3	28.1	-67.8	35.3	28.1	67.8	35.3	28.1	-67.8
LC209 F10 BR P1 ANGLE 45	0	0.8	0	0	0	0	0	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	35.3	28.1	-67.8	35.3	28.1	67.8	35.3	28.1	-67.8
LC210 F10 BR P2 ANGLE 45	0	0.8	0	0	0	0	0	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	35.3	28.1	-67.8	14.4	0	0	35.3	28.1	-67.8
LC211 F10 BR G + P1 ANGLE 45	0	0.8	0	0	0	0	0	3	7	16.9	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	14.4	0	0	35.3	28.1	67.8	35.3	28.1	-67.8
LC212 F10 BR G + P2 ANGLE 45	0	0.8	0	0	0	0	0	3	7	16.9	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	35.3	28.1	-67.8	35.3	28.1	67.8	14.4	0	0
LC213 F8 BR P1 + P2 ANGLE 45	0	0.8	0	0	0	0	0	9.8	27.3	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	22.3	53.9	14.4	0	0	31.1	22.3	53.9	14.4	0	0
LC214 F10 BR G + P2 + P1 ANGLE 45	0	0.8	0	0	0	0	0	3	7	16.9	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	14.4	0	0	35.3	28.1	67.8	14.4	0	0
LC215 F8 BR G D + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	4.9	34.2	82.5	0	0	0	0	0	0	0	0	0	0	0	0	31.1	22.3	53.9	14.4	0	0	31.1	22.3	53.9	14.4	0	0
LC216 F8 BR G + P2 D + P1 ANGLE 45	0	1	0	0	0	0	0	4.9	13.7	33	0	0	0	0	0	0	0	0	0	0	0	0	31.1	22.3	53.9	14.4	0	0	31.1	55.9	134.8	14.4	0	0
LC217 F10 BR G + P2 + P1 D ANGLE 45	0	1	0	0	0	0	0	3	7	16.9	0	0	0	0	0	0	0	0	0	0	0	0	35.3	70.2	169.5	14.4	0	0	35.3	28.1	67.8	14.4	0	0
LC218 F8 UBL G ANGLE 45	-5	0.8	0	0	0	75	8825	69.4	90.4	150.8	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	113.4	102.8	-248.1	113.4	102.8	248.1	113.4	102.8	-248.1
LC219 F8 UBL P1 ANGLE 45	-5	0.8	0	0	0	75	8825	129	152.9	0	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	31.1	22.6	-54.5	113.4	102.8	248.1	113.4	102.8	-248.1
LC220 F8 UBL G + P1 ANGLE 45	-5	0.8	0	0	0	75	8825	69.4	90.4	150.8	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	31.1	22.6	-54.5	113.4	102.8	248.1	113.4	102.8	-248.1
LC221 F8 UBL G + P1 + P2 ANGLE 45	-5	0.8	0	0	0	75	8825	69.4	90.4	150.8	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	31.1	22.6	-54.5	113.4	102.8	248.1	31.1	22.6	-54.5
LC222 F8 EXTREME UBL G ANGLE 45	-5	1	0	0	0	75	8825	64.5	76.4	184.6	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	113.4	102.8	-248.1	113.4	102.8	248.1	113.4	102.8	-248.1
LC223 F8 EXTREME UBL P1 ANGLE 45	-5	1	0	0	0	75	8825	129	152.9	0	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	14.4	0	0	113.4	102.8	248.1	113.4	102.8	-248.1
LC224 F8 EXTREME UBL P2 ANGLE 45	-5	1	0	0	0	75	8825	129	152.9	0	0	0	0	0	0	0	0	0	0	0	0	0	113.4	102.8	248.1	113.4	102.8	-248.1	113.4	102.8	248.1	14.4	0	0
LC225 F10 EDT ANGLE 45	0	0.8	0	0	0	0	0	6	14	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	28.1	67.8	35.3	28.1	-67.8	35.3	28.1	67.8	35.3	28.1	-67.8
LC226 F10 COLD ANGLE 45	-30	0.8	0	0	0	0	0	6	17	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	33.4	80.7	35.3	33.4	-80.7	35.3	33.4	80.7	35.3	33.4	-80.7
LC227 F8 MAX. TRANS WIND VS MIN. ANGLE 45 NA+	-20	0.8	1515	5454	0	0	0	-5.2	63	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	63.7	104.3	5.4	63.7	-104.3	5.4	63.7	104.3	5.4	63.7	-104.3
LC228 F8 MAX. TRANS WIND VS MIN. ANGLE 45 NA-	-20	0.8	-1515	-5454	0	0	0	-5.2	35.7	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	28	117.1	5.4	28	-117.1	5.4	28	117.1	5.4	28	-117.1
LC229 F8 MAX. LONG WIND VS MIN. ANGLE 45 NA+	-20	0.8	0	0	5454	0	0	-5.2	63	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	63.7	104.3	5.4	63.7	-104.3	5.4	63.7	104.3	5.4	63.7	-104.3
LC230 F8 MAX. LONG WIND VS MIN. ANGLE 45 NA-	-20	0.8	0	0	-5454	0	0	-5.2	35.7	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	28	117.1	5.4	28	-117.1	5.4	28	117.1	5.4	28	-117.1
LC231 F8 45° OBLIQUE WIND VS MIN. ANGLE 45 BI+	-20	0.8	1071	3856	3856	0	0	-5.2	45.2	-15.9	0	0	0	0	0	0	0	0	0	0	0	0	5.4	31.2	64.6	5.4	56.7	-95.4	5.4	31.2	64.6	5.4	56.7	-95.4
LC232 F8 45° OBLIQUE WIND VS MIN. ANGLE 45 BI-	-20	0.8	-1071	-3856	-3856	0	0	-5.2	31.4	-19.8	0	0	0	0	0	0	0	0	0	0	0	0	5.4	23.1	66.5	5.4	26.9	-106.3	5.4	23.1	66.5	5.4	26.9	-106.3
LC233 F8 MAX. ICE VS MIN. ANGLE 45	-5	0.8	0	0	0	75	8825	-68.8	153.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	-38.4	107.6	-259.9	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC234 F8 WIND + ICE VS MIN. ANGLE 45 NA+	-5	0.8	305	610	0	45	8825	-31.4	111.2	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.9	82.8	176	-14.9	82.8	-176	-14.9	82.8	176	-14.9	82.8	-176
LC235 F8 WIND + ICE VS MIN. ANGLE 45 NA-	-5	0.8	-305	-610	0	45	8825	-31.4	82.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.9	65.8	182.6	-14.9	65.8	-182.6	-14.9	65.8	182.6	-14.9	65.8	-182.6
LC236 F8 MAINTENANCE VS MIN. ANGLE 45	-30	0.5	45	162	0	0	8825	-1.2	35.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.4	31.1	73.6	7.4	31.1	-73.6	7.4	31.1	73.6	7.4	31.1	-73.6
LC237 F10 BR G VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.5	7.1	-17	0	0	0	0	0	0	0	0	0	0	0	0	3.2	28.9	69.7	3.2	28.9	-69.7	3.2	28.9	69.7	3.2	28.9	-69.7
LC238 F8 BR P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-5.2	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	5.4	25.1	-60.5	5.4	25.1	60.5	5.4	25.1	-60.5
LC239 F8 BR P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-5.2	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	25.1	60.5	5.4	25.1	-60.5	14.4	0	0	5.4	25.1	-60.5
LC240 F10 BR G + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.5	7.1	17	0	0	0	0	0	0	0	0	0	0	0	0	3.2	28.9	69.7	14.4	0	0	3.2	28.9	69.7	3.2	28.9	-69.7
LC241 F10 BR G + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.5	7.1	17	0	0	0	0	0	0	0	0	0	0	0	0	3.2	28.9	69.7	3.2	28.9	-69.7	3.2	28.9	69.7	14.4	0	0
LC242 F8 BR P1 + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-5.2	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	25.1	60.5	14.4	0	0	5.4	25.1	60.5	14.4	0	0
LC243 F10 BR G + P2 + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-1.5	7.1	17	0	0	0	0	0	0	0	0	0	0	0	0	3.2	28.9	69.7	14.4	0	0	3.2	28.9	69.7	14.4	0	0
LC244 F8 EXTREME BR G D + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.6	34.4	83.1	0	0	0	0	0	0	0	0	0	0	0	0	5.4	25.1	60.5	14.4	0	0	5.4	25.1	60.5	14.4	0	0
LC245 F8 EXTREME BR G + P2 D + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.6	13.8	33.2	0	0	0	0	0	0	0	0	0	0	0	0	5.4	25.1	60.5	14.4	0	0	5.4	62.6	151.2	14.4	0	0
LC246 F10 EXTREME BR G + P2 + P1 D VS MIN. ANGLE 45	0	1	0	0	0	0	0	-1.5	7.1	17	0	0	0	0	0	0	0	0	0	0	0	0	3.2	72.2	174.4	14.4	0	0	3.2	28.9	69.7	14.4	0	0
LC247 F8 UBL G VS MIN. ANGLE 45	-5	0.8	0	0	0	75	8825	-37	90.6	150.8	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	-38.4	107.6	-259.9	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC248 F8 UBL P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	75	8825	-68.8	153.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	5.4	25.4	-61.3	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC249 F8 UBL G + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	75	8825	-37	90.6	150.8	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	5.4	25.4	-61.3	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC250 F8 UBL G + P1 + P2 VS MIN. ANGLE 45	-5	0.8	0	0	0	75	8825	-37	90.6	150.8	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	5.4	25.4	-61.3	-38.4	107.6	259.9	5.4	25.4	-61.3
LC251 F8 EXTREME UBL G VS MIN. ANGLE 45	-5	1	0	0	0	75	8825	-34.4	76.5	184.8	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	-38.4	107.6	-259.9	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC252 F8 EXTREME UBL P1 VS MIN. ANGLE 45	-5	1	0	0	0	75	8825	-68.8	153.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	14.4	0	0	-38.4	107.6	259.9	-38.4	107.6	-259.9
LC253 F8 EXTREME UBL P2 VS MIN. ANGLE 45	-5	1	0	0	0	75	8825	-68.8	153.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	107.6	259.9	-38.4	107.6	-259.9	-38.4	107.6	259.9	14.4	0	0
LC254 F10 EDT VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-3.1	14.1	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	28.9	69.7	3.2	28.9	-69.7	3.2	28.9	69.7	3.2	28.9	-69.7
LC255 F10 COLD VS MIN. ANGLE 45	-30	0.8	0	0	0	0	0	-3.1	17.2	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	34.8	84	3.2	34.8	-84	3.2	34.8	84	3.2	34.8	-84
LC256 F8 MAX. TRANS WIND DE 0 NA+	-20	0.8	1515	5454	0	0	0	3.9	7.4	64.3	0	0	0	0	0	0	0	0	0	0	0	0	27.7	19.2	113.4	0	0	0	27.7	19.2	113.4	0	0	0
LC257 F8 MAX. TRANS WIND DE 0 NA-	-20	0.8	-1515	-5454	0	0	0	3.9	-7.4	64.3	0	0	0	0	0	0	0	0	0	0	0	0	27.7	-19.2	113.4	0	0	0	27.7	-19.2	113.4	0	0	0
LC258 F8 MAX. LONG WIND DE 0 NA+	-20	0.8	0	0	5454	0	0	3.9	7.4	64.3	0	0	0	0	0	0	0	0	0	0	0	0	27.7	19.2	113.4	0	0	0	27.7	19.2	113.4	0	0	0
LC259 F8 MAX. LONG WIND DE 0 NA-	-20	0.8	0	0	-5454

LC268 F8 BR P2 DE 0	0	0.8	0	0	0	0	0	3.9	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	0	61.8	0	0	0	14.4	0	0	0	0	0
LC269 F10 BR G + P2 DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	0	74.5	0	0	0	14.4	0	0	0	0	0
LC270 F8 UBL G DE 0	-5	0.8	0	0	0	75	8825	3.9	0	36.7	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	0	275	0	0	0	93.6	0	275	0	0	0
LC271 F8 UBL P1 DE 0	-5	0.8	0	0	0	75	8825	51.6	0	199.9	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	0	62.5	0	0	0	93.6	0	275	0	0	0
LC272 F8 EXTREME UBL G DE 0	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	0	275	0	0	0	93.6	0	275	0	0	0
LC273 F8 EXTREME UBL P1 DE 0	-5	1	0	0	0	75	8825	51.6	0	199.9	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	93.6	0	275	0	0	0
LC274 F10 EDT DE 0	0	0.8	0	0	0	0	0	2.4	0	18.4	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	0	74.5	0	0	0	31.1	0	74.5	0	0	0
LC275 F10 COLD DE 0	-30	0.8	0	0	0	0	0	2.4	0	22.3	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	0	89.1	0	0	0	31.1	0	89.1	0	0	0
LC276 F8 MAX. TRANS WIND VS MIN. DE 0 NA+	-20	0.8	1515	5454	0	0	0	-1.9	7.4	64.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	19.2	122.2	0	0	0	7.7	19.2	122.2	0	0	0
LC277 F8 MAX. TRANS WIND VS MIN. DE 0 NA-	-20	0.8	-1515	-5454	0	0	0	-1.9	-7.4	64.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-19.2	122.2	0	0	0	7.7	-19.2	122.2	0	0	0
LC278 F8 MAX. LONG WIND VS MIN. DE 0 NA+	-20	0.8	0	0	5454	0	0	-1.9	7.4	64.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	19.2	122.2	0	0	0	7.7	19.2	122.2	0	0	0
LC279 F8 MAX. LONG WIND VS MIN. DE 0 NA-	-20	0.8	0	0	-5454	0	0	-1.9	-7.4	64.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-19.2	122.2	0	0	0	7.7	-19.2	122.2	0	0	0
LC280 F8 45° OBLIQUE WIND VS MIN. DE 0 BI+	-20	0.8	1071	3856	3856	0	0	-1.9	3.7	48.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	10.1	87.7	0	0	0	7.7	10.1	87.7	0	0	0
LC281 F8 45° OBLIQUE WIND VS MIN. DE 0 BI-	-20	0.8	-1071	-3856	-3856	0	0	-1.9	-3.7	48.5	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	-10.1	87.7	0	0	0	7.7	-10.1	87.7	0	0	0
LC282 F8 MAX. ICE VS MIN. DE 0	-5	0.8	0	0	0	75	8825	-25.8	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	0	0	0	-25.2	0	283.4	0	0	0
LC283 F8 WIND + ICE VS MIN. DE 0 NA+	-5	0.8	305	610	0	45	8825	-11.8	7.7	126.7	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	9.2	196.9	0	0	0	-7.6	9.2	196.9	0	0	0
LC284 F8 WIND + ICE VS MIN. DE 0 NA-	-5	0.8	-305	-610	0	45	8825	-11.8	-7.7	126.7	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	-9.2	196.9	0	0	0	-7.6	-9.2	196.9	0	0	0
LC285 F8 MAINTENANCE VS MIN. DE 0	-30	0.5	45	162	0	0	0	0.1	0.2	46	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7	0.6	82.5	0	0	0	9.7	0.6	82.5	0	0	0
LC286 F10 BR G VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	75.9	0	0	0	6	0	75.9	0	0	0
LC287 F8 BR P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	7.7	0	66.9	0	0	0
LC288 F8 BR P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	0	0	0	14.4	0	0	0	0	0
LC289 F10 BR G + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	75.9	0	0	0	14.4	0	0	0	0	0
LC290 F8 UBL G VS MIN. DE 0	-5	0.8	0	0	0	75	8825	-1.9	0	36.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	0	0	0	-25.2	0	283.4	0	0	0
LC291 F8 UBL P1 VS MIN. DE 0	-5	0.8	0	0	0	75	8825	-25.8	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	67.8	0	0	0	-25.2	0	283.4	0	0	0
LC292 F8 EXTREME UBL G VS MIN. DE 0	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	0	283.4	0	0	0	-25.2	0	283.4	0	0	0
LC293 F8 EXTREME UBL P1 VS MIN. DE 0	-5	1	0	0	0	75	8825	-25.8	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	-25.2	0	283.4	0	0	0
LC294 F8 EDT VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.9	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	0	66.9	0	0	0	7.7	0	66.9	0	0	0
LC295 F10 COLD VS MIN. DE 0	-30	0.8	0	0	0	0	0	-1.2	0	22.5	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	91.5	0	0	0	6	0	91.5	0	0	0
LC296 F8 MAX. TRANS WIND DE 45 NA+	-20	0.8	1515	5454	0	0	0	3.9	31.4	56.7	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	61.3	98.4	0	0	0	27.7	61.3	98.4	0	0	0
LC297 F8 MAX. TRANS WIND DE 45 NA-	-20	0.8	-1515	-5454	0	0	0	3.9	17.8	62.1	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	25.5	111.1	0	0	0	27.7	25.5	111.1	0	0	0
LC298 F8 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	5454	0	0	3.9	31.4	56.7	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	61.3	98.4	0	0	0	27.7	61.3	98.4	0	0	0
LC299 F8 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-5454	0	0	3.9	17.8	62.1	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	25.5	111.1	0	0	0	27.7	25.5	111.1	0	0	0
LC300 F10 45° OBLIQUE WIND DE 45 BI+	-20	0.8	912	3284	3284	0	0	2.4	8.7	18.7	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	34.3	72.5	0	0	0	31.1	34.3	72.5	0	0	0
LC301 F10 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	2.4	7	19.2	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	26.5	74.4	0	0	0	31.1	26.5	74.4	0	0	0
LC302 F8 MAX. ICE DE 45	-5	0.8	0	0	0	75	8825	51.6	76.5	184.7	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	105.2	254.1	0	0	0	93.6	105.2	254.1	0	0	0
LC303 F8 WIND + ICE DE 45 NA+	-5	0.8	305	610	0	45	8825	23.6	55.5	114	0	0	0	0	0	0	0	0	0	0	0	0	0	58.3	79.8	168.9	0	0	0	58.3	79.8	168.9	0	0	0
LC304 F8 WIND + ICE DE 45 NA-	-5	0.8	-305	-610	0	45	8825	23.6	41.3	119.9	0	0	0	0	0	0	0	0	0	0	0	0	0	58.3	62.8	175.5	0	0	0	58.3	62.8	175.5	0	0	0
LC305 F10 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	4.4	8.7	20.6	0	0	0	0	0	0	0	0	0	0	0	0	0	33.1	34.8	82.2	0	0	0	33.1	34.8	82.2	0	0	0
LC306 F10 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	28.5	68.8	0	0	0	31.1	28.5	68.8	0	0	0
LC307 F8 BR P1 DE 45	0	0.8	0	0	0	0	0	3.9	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	27.7	23.6	57.1	0	0	0
LC308 F8 BR P2 DE 45	0	0.8	0	0	0	0	0	3.9	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	23.6	57.1	0	0	0	14.4	0	0	0	0	0
LC309 F10 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	28.5	68.8	0	0	0	14.4	0	0	0	0	0
LC310 F8 UBL G DE 45	-5	0.8	0	0	0	75	8825	3.9	14	33.9	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	105.2	254.1	0	0	0	93.6	105.2	254.1	0	0	0
LC311 F8 UBL P1 DE 45	-5	0.8	0	0	0	75	8825	51.6	76.5	184.7	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	23.9	57.8	0	0	0	93.6	105.2	254.1	0	0	0
LC312 F8 EXTREME UBL G DE 45	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	105.2	254.1	0	0	0	93.6	105.2	254.1	0	0	0
LC313 F8 EXTREME UBL P1 DE 45	-5	1	0	0	0	75	8825	51.6	76.5	184.7	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	93.6	105.2	254.1	0	0	0
LC314 F10 EDT DE 45	0	0.8	0	0	0	0	0	2.4	7	17	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	28.5	68.8	0	0	0	31.1	28.5	68.8	0	0	0
LC315 F10 COLD DE 45	-30	0.8	0	0	0	0	0	2.4	8.5	20.6	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	34.1	82.3	0	0	0	31.1	34.1	82.3	0	0	0
LC316 F8 MAX. TRANS WIND DE 45 NA+	-20	0.8	1515	5454	0	0	0	-1.9	31.5	56.9	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	64.7	106.6	0	0	0	7.7	64.7	106.6	0	0	0
LC317 F8 MAX. TRANS WIND DE 45 NA-	-20	0.8	-1515	-5454	0	0	0	-1.9	17.9	62.3	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	28.9	119.3	0	0	0	7.7	28.9	119.3	0	0	0
LC318 F8 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	5454	0	0	-1.9	31.5	56.9	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	64.7	106.6	0	0	0	7.7	64.7	106.6	0	0	0
LC319 F8 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-5454	0	0	-1.9	17.9	62.3	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	28.9	119.3	0	0	0	7.7	28.9	119.3	0	0	0
LC320 F8 45° OBLIQUE WIND DE 45 BI+	-20	0.8	1071	3856	3856	0	0	-1.9	16.6	36.9	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	31.8	66.2	0	0	0	7.7	31.8	66.2	0	0	0
LC321 F8 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-1071	-3856	-3856	0	0	-1.9	14.3	37.7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	23.8	68	0	0	0	7.7	23.8	68	0	0	0
LC322 F8 MAX. ICE DE 45	-5	0.8	0	0	0	75	8825	-25.8	76.5	184.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	108.5	261.9	0	0	0	-25.2	108.5	261.9	0	0	0
LC323 F8 WIND +ICE DE 45 NA+	-5	0.8	305	610	0	45	8825	-11.8	55.6	114.2	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	83.9	178.6	0	0	0	-7.6	83.9	178.6	0	0	0
LC324 F8 WIND + ICE DE 45 NA-	-5	0.8	-305	-610	0	45	8825	-11.8	41.4	120	0	0	0	0	0	0	0	0	0	0	0	0	0	-7.6	66.9	185.3	0	0	0	-7.6	66.9	185.3	0	0	0
LC325 F8 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	0.1	17.8	42.4	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7	32.1	76	0	0	0	9.7	32.1	76	0	0	0
LC326 F10 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	29	70.1	0	0	0	6	29	70.1	0	0	0
LC327 F8 BR P1 DE 45	0	0.8	0	0	0	0	0	-1.9	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	7.7	25.6	61.8	0	0	0
LC328 F8 BR P2 DE 45	0	0.8	0	0	0	0	0	-1.9	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	25.6	61.8	0	0	0	14.4	0	0	0	0	0
LC329 F10 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	29	70.1	0	0	0	14.4	0	0	0	0	0
LC330 F8 UBL G DE 45	-5	0.8	0	0	0	75	8825	-1.9	14.1	34	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	108.5	261.9	0	0	0	-25.2	108.5	261.9	0	0	0
LC331 F8 UBL P1 DE 45	-5	0.8	0	0	0	75	8825	-25.8	76.5	184.8	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	26	62.7	0	0	0	-25.2	108.5	261.9	0	0	0
LC332 F8 EXTREME UBL G DE 45	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	108.5	261.9	0	0	0	-25.2	108.5	261.9	0	0	0
LC333 F8 EXTREME UBL P1 DE 45	-5	1	0	0	0	75	8825	-25.8	76.5	184.8	0	0	0	0	0	0	0	0	0	0	0	0	0	14.4	0	0	0	0	0	-25.2	108.5	261.9	0	0	0
LC334 F8 EDT DE 45	0	0.8	0	0	0	0	0	-1.9	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	25.6	61.8	0	0	0	7.7	25.6	61.8	0	0	0
LC335 F10 COLD DE 45	-30	0.8	0	0	0	0	0	-1.2	8.6	20.8	0	0	0	0	0	0	0	0	0	0	0	0	0	6	35	84.6	0	0	0	6	35	84.6	0	0	0

STRUCTURE TYPE: LATTICE ANGLE TOWER D2			WIND ON STRUCTURE AND			ICE ON		POINTS OF LOADING ATTACHMENT																							
LINE DEFLECTION: 0° TO 45°								G			E2			E2b			E1			E1b			P1			P1b			P2			P2b		
LOAD COMBINATION	TEMP. (°C)	STRENGTH FACTOR	WIND ON CABLE (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC1 F11 MAX. TRANS WIND ANGLE 45 NA+	-20	0.8	2070	7452	0	0	0	6.9	64.2	0	7.6	37.7	59.1	7.6	37.7	-59.1	7.6	37.7	59.1	7.6	37.7	-59.1	21.6	69.9	122.2	21.6	69.9	-122.2	21.6	69.9	122.2	21.6	69.9	-122.2
LC2 F11 MAX. TRANS WIND ANGLE 45 NA-	-20	0.8	-2070	-7452	0	0	0	6.9	39	0	7.6	14.8	67.7	7.6	14.8	-67.7	7.6	14.8	67.7	7.6	14.8	-67.7	21.6	36.1	133.7	21.6	36.1	-133.7	21.6	36.1	133.7	21.6	36.1	-133.7
LC3 F11 MAX. LONG WIND ANGLE 45 NA+	-20	0.8	0	0	7452	0	0	6.9	64.2	0	7.6	37.7	59.1	7.6	37.7	-59.1	7.6	37.7	59.1	7.6	37.7	-59.1	21.6	69.9	122.2	21.6	69.9	-122.2	21.6	69.9	122.2	21.6	69.9	-122.2
LC4 F11 MAX. LONG WIND ANGLE 45 NA-	-20	0.8	0	0	-7452	0	0	6.9	39	0	7.6	14.8	67.7	7.6	14.8	-67.7	7.6	14.8	67.7	7.6	14.8	-67.7	21.6	36.1	133.7	21.6	36.1	-133.7	21.6	36.1	133.7	21.6	36.1	-133.7
LC5 F11 45° OBLIQUE WIND ANGLE 45 BI+	-20	0.8	1464	5270	5270	0	0	6.9	46.8	-16.8	7.6	13.1	25.5	7.6	33	-52.7	7.6	13.1	25.5	7.6	33	-52.7	21.6	32.4	67.3	21.6	62.1	-111.3	21.6	32.4	67.3	21.6	62.1	-111.3
LC6 F11 45° OBLIQUE WIND ANGLE 45 BI-	-20	0.8	-1464	-5270	-5270	0	0	6.9	33.9	-20.3	7.6	8.5	26.7	7.6	13.7	-60	7.6	8.5	26.7	7.6	13.7	-60	21.6	24.1	69	21.6	34.2	-121.1	21.6	24.1	69	21.6	34.2	-121.1
LC7 F2 MAX. ICE ANGLE 45	-5	0.8	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC8 F2 WIND + ICE ANGLE 45 NA+	-5	0.8	970	1940	0	70	4905	41.1	144.7	0	27.9	61.9	94.2	27.9	61.9	-94.2	27.9	61.9	94.2	27.9	61.9	-94.2	44.8	99.5	181.9	44.8	99.5	-181.9	44.8	99.5	181.9	44.8	99.5	-181.9
LC9 F2 WIND + ICE ANGLE 45 NA-	-5	0.8	-970	-1940	0	70	4905	41.1	69.9	0	27.9	22.7	110	27.9	22.7	-110	27.9	22.7	110	27.9	22.7	-110	44.8	57.9	198	44.8	57.9	-198	44.8	57.9	198	44.8	57.9	-198
LC10 F11 TD G + E1 + E2 + P1 + P2 ANGLE 45	-30	0.5	45	162	0	0	0	39.5	71.6	4.6	44.6	71.2	4.5	0	0	0	44.6	71.2	4.5	0	0	0	54.4	79.8	5.1	0	0	0	54.4	79.8	5.1	0	0	0
LC11 F11 TD G + E2 + P2 ANGLE 45	-30	0.5	45	162	0	0	0	39.5	71.6	4.6	44.6	71.2	4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54.4	79.8	5.1	0	0	0
LC12 F11 TD G + E1 + P1 ANGLE 45	-30	0.5	45	162	0	0	0	39.5	71.6	4.6	0	0	0	0	0	0	44.6	71.2	4.5	0	0	0	54.4	79.8	5.1	0	0	0	0	0	0	0	0	0
LC13 F11 MAINTENANCE ANGLE 45	-30	0.5	45	162	0	0	0	10.9	39.8	0	9.6	11.3	26.5	9.6	11.3	-26.5	9.6	11.3	26.5	9.6	11.3	-26.5	23.6	36.6	87.4	23.6	36.6	-87.4	23.6	36.6	87.4	23.6	36.6	-87.4
LC14 F11 BR G ANGLE 45	0	0.8	0	0	0	0	0	3.4	13.7	-33.2	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	21.6	24.2	58.3	21.6	24.2	-58.3	21.6	24.2	58.3	21.6	24.2	-58.3
LC15 F11 BR P1 ANGLE 45	0	0.8	0	0	0	0	0	6.9	27.5	0	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	9.9	0	0	21.6	24.2	-58.3	21.6	24.2	58.3	21.6	24.2	-58.3
LC16 F11 BR P2 ANGLE 45	0	0.8	0	0	0	0	0	6.9	27.5	0	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	21.6	24.2	58.3	21.6	24.2	-58.3	9.9	0	0	21.6	24.2	-58.3
LC17 F11 BR G + P1 ANGLE 45	0	0.8	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	21.6	24.2	-58.3
LC18 F11 BR G + P2 ANGLE 45	0	0.8	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	21.6	24.2	58.3	21.6	24.2	-58.3	21.6	24.2	58.3	9.9	0	0
LC19 F11 BR P1 + P2 ANGLE 45	0	0.8	0	0	0	0	0	6.9	27.5	0	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	7.6	9.5	-22.9	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC20 F11 BR P1 + E1 ANGLE 45	0	0.8	0	0	0	0	0	6.9	27.5	0	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	21.6	24.2	-58.3
LC21 F11 BR G + E1 ANGLE 45	0	0.8	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	7.6	9.5	-22.9	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	21.6	24.2	-58.3	21.6	24.2	58.3	21.6	24.2	-58.3
LC22 F11 BR G + E2 + E1 + P2 + P1 ANGLE 45	0	0.8	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	1.3	0	0	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC23 F11 BR G D + E2 + E1 + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	3.4	34.3	82.9	7.6	9.5	22.9	1.3	0	0	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC24 F11 BR G + E2 D + E1 + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	3.4	13.7	33.2	7.6	23.7	57.3	1.3	0	0	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC25 F11 BR G + E2 + E1 D + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	1.3	0	0	7.6	23.7	57.3	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC26 F11 BR G + E2 + E1 + P2 D + P1 ANGLE 45	0	1	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	1.3	0	0	7.6	9.5	22.9	1.3	0	0	21.6	24.2	58.3	9.9	0	0	21.6	60.4	145.8	9.9	0	0
LC27 F11 BR G + E2 + E1 + P2 + P1 D ANGLE 45	0	1	0	0	0	0	0	3.4	13.7	33.2	7.6	9.5	22.9	1.3	0	0	7.6	9.5	22.9	1.3	0	0	21.6	60.4	145.8	9.9	0	0	21.6	24.2	58.3	9.9	0	0
LC28 F2 UBL G ANGLE 45	-5	0.8	0	0	0	135	4905	64.1	89.1	146	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC29 F2 UBL E1 ANGLE 45	-5	0.8	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	6.7	6.6	-15.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC30 F2 UBL P1 ANGLE 45	-5	0.8	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	20.2	23.6	-57	92	104.7	252.8	92	104.7	-252.8
LC31 F2 UBL G + P1 ANGLE 45	-5	0.8	0	0	0	135	4905	64.1	89.1	146	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	20.2	23.6	-57	92	104.7	252.8	92	104.7	-252.8
LC32 F2 UBL G + E1 + P1 ANGLE 45	-5	0.8	0	0	0	135	4905	64.1	89.1	146	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	6.7	6.6	-15.8	92	104.7	252.8	20.2	23.6	-57	92	104.7	252.8	92	104.7	-252.8
LC33 F2 UBL G + E1 + E2 + P1 + P2 ANGLE 45	-5	0.8	0	0	0	135	4905	64.1	89.1	146	71.9	64.1	154.8	6.7	6.6	-15.8	71.9	64.1	154.8	6.7	6.6	-15.8	92	104.7	252.8	20.2	23.6	-57	92	104.7	252.8	20.2	23.6	-57
LC34 F2 EXTREME UBL G ANGLE 45	-5	1	0	0	0	135	4905	61.2	74.8	180.6	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC35 F2 EXTREME UBL P1 ANGLE 45	-5	1	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	10.2	0	0	92	104.7	252.8	92	104.7	-252.8
LC36 F2 EXTREME UBL P2 ANGLE 45	-5	1	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	10.2	0	0
LC37 F2 EXTREME UBL E2 ANGLE 45	-5	1	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	1.3	0	0	71.9	64.1	154.8	71.9	64.1	-154.8	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC38 F2 EXTREME UBL E1 ANGLE 45	-5	1	0	0	0	135	4905	122.4	149.6	0	71.9	64.1	154.8	71.9	64.1	-154.8	71.9	64.1	154.8	1.3	0	0	92	104.7	252.8	92	104.7	-252.8	92	104.7	252.8	92	104.7	-252.8
LC39 F2 EDT ANGLE 45	0	0.8	0	0	0	0	0	5.9	27.5	0	6.7	6.5	15.7	6.7	6.5	-15.7	6.7	6.5	15.7	6.7	6.5	-15.7	20.2	22.9	55.2	20.2	22.9	-55.2	20.2	22.9	55.2	20.2	22.9	-55.2
LC40 F2 COLD ANGLE 45	-30	0.8	0	0	0	0	0	5.9	40.8	0	6.7	7	17	6.7	7	-17	6.7	7	17	6.7	7	-17	20.2	36.3	87.6	20.2	36.3	-87.6	20.2	36.3	87.6	20.2	36.3	-87.6
LC41 F11 MAX. TRANS WIND VS MIN. ANGLE 45 NA+	-20	0.8	2070	7452	0	0	0	-4.8	64.3	0	-3.2	40.1	64.8	-3.2	40.1	-64.8	-3.2	40.1	64.8	-3.2	40.1	-64.8	1.5	70	122.4	1.5	70	-122.4	1.5	70	122.4	1.5	70	-122.4
LC42 F11 MAX. TRANS WIND VS MIN. ANGLE 45 NA-	-20	0.8	-2070	-7452	0	0	0	-4.8	39	0	-3.2	17.1	73.4	-3.2	17.1	-73.4	-3.2	17.1	73.4	-3.2	17.1	-73.4	1.5	36.2	133.9	1.5	36.2	-133.9	1.5	36.2	133.9	1.5	36.2	-133.9
LC43 F11 MAX. LONG WIND VS MIN. ANGLE 45 NA+	-20	0.8	0	0	7452	0	0	-4.8	64.3	0	-3.2	40.1	64.8	-3.2	40.1	-64.8	-3.2	40.1	64.8	-3.2	40.1	-64.8	1.5	70	122.4	1.5	70	-122.4	1.5	70	122.4	1.5	70	-122.4
LC44 F11 MAX. LONG WIND VS MIN. ANGLE 45 NA-	-20	0.8	0	0	-7452	0	0	-4.8	39	0	-3.2	17.1	73.4	-3.2	17.1	-73.4	-3.2	17.1	73.4	-3.2	17.1	-73.4	1.5	36.2	133.9	1.5	36.2	-133.9	1.5	36.2	133.9	1.5	36.2	-133.9
LC45 F11 45° OBLIQUE WIND VS MIN. ANGLE 45 BI+	-20	0.8	1464	5270	5270	0	0	-4.8	46.9	-16.8	-3.2	14.4	28.7	-3.2	35.1	-57.9	-3.2	14.4	28.7	-3.2	35.1	-57.9	1.5	32.4	67.4	1.5	62.2	-111.5	1.5	32.4	67.4	1.5	62.2	-111.5
LC46 F11 45° OBLIQUE WIND VS MIN. ANGLE 45 BI-	-20	0.8	-1464	-5270	-5270	0	0	-4.8	33.9	-20.3	-3.2	9.9	29.9	-3.2	15.9	-65.3	-3.2	9.9	29.9	-3.2	15.9	-65.3	1.5	24.2	69.1	1.5	34.3	-121.4	1.5	24.2	69.1	1.5	34.3	-121.4
LC47 F2 MAX. ICE VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-93.1	149.6	0	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.2	104.8	252.9	-52.2	104.8	-252.9	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC48 F11 WIND + ICE VS MIN. ANGLE 45 NA+	-5	0.8	970	1940	0	60	4905	-27.2	142.9	0	-16.9	71.1	114.5	-16.9	71.1	-114.5	-16.9	71.1	114.5	-16.9	71.1	-114.5	-14.7	99.2	178.8	-14.7	99.2	-178.8	-14.7	99.2	178.8	-14.7	99.2	-178.8
LC49 F11 WIND + ICE VS MIN. ANGLE 45 NA-	-5	0.8	-970	-1940	0	60	4905	-27.2	66.6	0	-16.9	30.6	130.9	-16.9	30.6	-130.9	-16.9	30.6	130.9	-16.9	30.6	-130.9	-14.7	55.9	195.6	-14.7	55.9	-195.6	-14.7	55.9	195.6	-14.7	55.9	-195.6
LC50 F11 MAINTENANCE VS MIN. ANGLE 45	-30	0.5	45	162	0	0	0	-0.8	39.9	0	-1.2	13	30.8	-1.2	13	-30.8	-1.2	13	30.8	-1.2	13	-30.8	3.5	36.7	87.7	3.5	36.7	-87.7	3.5	36.7	87.7	3.5	36.7	-87.7
LC51 F11 BR G VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	-33.3	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	1.5	24.2	58.4	1.5	24.2	-58.4	1.5	24.2	58.4	1.5	24.2	-58.4
LC52 F11 BR P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	9.9	0	0	1.5	24.2	-58.4	1.5	24.2	58.4	1.5	24.2	-58.4
LC53 F11 BR P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	1.5	24.2	58.4	1.5	24.2	-58.4	9.9	0	0	1.5	24.2	-58.4
LC54 F11 BR G + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	1.5	24.2	-58.4
LC55 F11 BR G + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	1.5	24.2	58.4	1.5	24.2	-58.4	1.5	24.2	58.4	9.9	0	0
LC56 F11 BR P1 + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	-3.2	10.5	-25.5	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC57 F11 BR P1 + E1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	1.5	24.2	-58.4
LC58 F11 BR G + E1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	-3.2	10.5	-25.5	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	1.5	24.2	-58.4	1.5	24.2	58.4	1.5	24.2	-58.4
LC59 F11 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	1.3	0	0	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC60 F11 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	34.4	83.1	-3.2	10.5	25.5	1.3	0	0	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC61 F11 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	-3.2	26.4	63.6	1.3	0	0	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC62 F11 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	1.3	0	0	-3.2	26.4	63.6	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC63 F11 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	1.3	0	0	-3.2	10.5	25.5	1.3	0	0	1.5	24.2	58.4	9.9	0	0	1.5	60.5	146	9.9	0	0
LC64 F11 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	-3.2	10.5	25.5	1.3	0	0	-3.2	10.5	25.5	1.3	0	0	1.5	60.5	146	9.9	0	0	1.5	24.2	58.4	9.9	0	0
LC65 F2 UBL G VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-48.8	89.2	146	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.2	104.8	252.9	-52.2	104.8	-252.9	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC66 F2 UBL E1 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-93.1	149.6	0	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-2.8	7.2	-17.4	-52.2	104.8	252.9	-52.2	104.8	-252.9	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC67 F2 UBL P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-93.1	149.6	0	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.2	104.8	252.9	2.5	23.7	-57.1	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC68 F2 UBL G + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-48.8	89.2	146	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.2	104.8	252.9	2.5	23.7	-57.1	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC69 F2 UBL G + E1 + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-48.8	89.2	146	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-2.8	7.2	-17.4	-52.2	104.8	252.9	2.5	23.7	-57.1	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC70 F2 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-48.8	89.2	146	-52.4	66.5	160.5	-2.8	7.2	-17.4	-52.4	66.5	160.5	-2.8	7.2	-17.4	-52.2	104.8	252.9	2.5	23.7	-57.1	-52.2	104.8	252.9	2.5	23.7	-57.1
LC71 F2 EXTREME UBL G VS MIN. ANGLE 45	-5	1	0	0	0	135	4905	-46.5	74.8	180.6	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.4	66.5	160.5	-52.4	66.5	-160.5	-52.2	104.8	252.9	-52.2	104.8	-252.9	-52.2	104.8	252.9	-52.2	104.8	-252.9
LC72 F2 EXTREME UBL P1 VS MIN. ANGLE 45	-5	1	0	0	0	135	4905	-93.1	149.6	0	-52.4	66.5	160.5	-

LC86 F11 WIND + ICE DE 0 NA-	-5	0.8	-970	-1940	0	60	4905	15.9	-20.6	136.8	22.6	-21.9	130.4	0	0	0	22.6	-21.9	130.4	0	0	0	38.5	-23.4	202.5	0	0	0	38.5	-23.4	202.5	0	0	0
LC87 F11 MAINTENANCE DE 0	-30	0.5	45	162	0	0	0	4.9	0.1	51.7	8.5	0.3	31.5	0	0	0	8.5	0.3	31.5	0	0	0	21.6	0.4	94.9	0	0	0	21.6	0.4	94.9	0	0	0
LC88 F11 BR G DE 0	0	0.8	0	0	0	0	0	0	0	0	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	19.6	0	63.2	0	0	0	19.6	0	63.2	0	0	0
LC89 F11 BR P1 DE 0	0	0.8	0	0	0	0	0	2.9	0	35.9	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	9.9	0	0	0	0	0	19.6	0	63.2	0	0	0
LC90 F11 BR P2 DE 0	0	0.8	0	0	0	0	0	2.9	0	35.9	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	19.6	0	63.2	0	0	0	9.9	0	0	0	0	0
LC91 F11 BR G + P1 DE 0	0	0.8	0	0	0	0	0	0	0	0	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	9.9	0	0	0	0	0	19.6	0	63.2	0	0	0
LC92 F11 BR G + P2 DE 0	0	0.8	0	0	0	0	0	0	0	0	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	19.6	0	63.2	0	0	0	9.9	0	0	0	0	0
LC93 F11 BR P1 + P2 DE 0	0	0.8	0	0	0	0	0	2.9	0	35.9	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC94 F11 BR P1 + E1 DE 0	0	0.8	0	0	0	0	0	2.9	0	35.9	6.5	0	26.5	0	0	0	1.3	0	0	0	0	0	9.9	0	0	0	0	0	19.6	0	63.2	0	0	0
LC95 F11 BR G + E1 DE 0	0	0.8	0	0	0	0	0	0	0	0	6.5	0	26.5	0	0	0	1.3	0	0	0	0	0	19.6	0	63.2	0	0	0	19.6	0	63.2	0	0	0
LC96 F2 UBL G DE 0	-5	0.8	0	0	0	135	4905	2.3	0	37.5	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	72.9	0	273.8	0	0	0	72.9	0	273.8	0	0	0
LC97 F2 UBL E1 DE 0	-5	0.8	0	0	0	135	4905	46.9	0	195.5	55.5	0	173.6	0	0	0	5.4	0	18.7	0	0	0	72.9	0	273.8	0	0	0	72.9	0	273.8	0	0	0
LC98 F2 UBL P1 DE 0	-5	0.8	0	0	0	135	4905	46.9	0	195.5	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	17.8	0	61.8	0	0	0	72.9	0	273.8	0	0	0
LC99 F2 UBL G + P1 DE 0	-5	0.8	0	0	0	135	4905	2.3	0	37.5	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	17.8	0	61.8	0	0	0	72.9	0	273.8	0	0	0
LC100 F2 UBL G + E1 + P1 DE 0	-5	0.8	0	0	0	135	4905	2.3	0	37.5	55.5	0	173.6	0	0	0	5.4	0	18.7	0	0	0	17.8	0	61.8	0	0	0	72.9	0	273.8	0	0	0
LC101 F2 EXTREME UBL G DE 0	-5	1	0	0	0	135	4905	0	0	0	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	72.9	0	273.8	0	0	0	72.9	0	273.8	0	0	0
LC102 F2 EXTREME UBL P1 DE 0	-5	1	0	0	0	135	4905	46.9	0	195.5	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	10.2	0	0	0	0	0	72.9	0	273.8	0	0	0
LC103 F2 EXTREME UBL P2 DE 0	-5	1	0	0	0	135	4905	46.9	0	195.5	55.5	0	173.6	0	0	0	55.5	0	173.6	0	0	0	72.9	0	273.8	0	0	0	10.2	0	0	0	0	0
LC104 F2 EXTREME UBL E2 DE 0	-5	1	0	0	0	135	4905	46.9	0	195.5	1.3	0	0	0	0	0	55.5	0	173.6	0	0	0	72.9	0	273.8	0	0	0	72.9	0	273.8	0	0	0
LC105 F2 EXTREME UBL E1 DE 0	-5	1	0	0	0	135	4905	46.9	0	195.5	55.5	0	173.6	0	0	0	1.3	0	0	0	0	0	72.9	0	273.8	0	0	0	72.9	0	273.8	0	0	0
LC106 F11 EDT DE 0	0	0.8	0	0	0	0	0	2.9	0	35.9	6.5	0	26.5	0	0	0	6.5	0	26.5	0	0	0	19.6	0	63.2	0	0	0	19.6	0	63.2	0	0	0
LC107 F11 COLD DE 0	-30	0.8	0	0	0	0	0	2.9	0	51.7	6.5	0	31.5	0	0	0	6.5	0	31.5	0	0	0	19.6	0	94.9	0	0	0	19.6	0	94.9	0	0	0
LC108 F11 MAX. TRANS WIND VS MIN. DE 0 NA+	-20	0.8	2070	7452	0	0	0	-1.8	6.8	67.5	-2	12.3	77.9	0	0	0	-2	12.3	77.9	0	0	0	3.7	18	138.8	0	0	0	3.7	18	138.8	0	0	0
LC109 F11 MAX. TRANS WIND VS MIN. DE 0 NA-	-20	0.8	-2070	-7452	0	0	0	-1.8	-6.8	67.5	-2	-12.3	77.9	0	0	0	-2	-12.3	77.9	0	0	0	3.7	-18	138.8	0	0	0	3.7	-18	138.8	0	0	0
LC110 F11 MAX. LONG WIND VS MIN. DE 0 NA+	-20	0.8	0	0	7452	0	0	-1.8	6.8	67.5	-2	12.3	77.9	0	0	0	-2	12.3	77.9	0	0	0	3.7	18	138.8	0	0	0	3.7	18	138.8	0	0	0
LC111 F11 MAX. LONG WIND VS MIN. DE 0 NA-	-20	0.8	0	0	-7452	0	0	-1.8	-6.8	67.5	-2	-12.3	77.9	0	0	0	-2	-12.3	77.9	0	0	0	3.7	-18	138.8	0	0	0	3.7	-18	138.8	0	0	0
LC112 F11 45° OBLIQUE WIND VS MIN. DE 0 BI+	-20	0.8	1464	5270	5270	0	0	-1.8	3.5	51.6	-2	6.4	49.7	0	0	0	-2	6.4	49.7	0	0	0	3.7	9.6	96.2	0	0	0	3.7	9.6	96.2	0	0	0
LC113 F11 45° OBLIQUE WIND VS MIN. DE 0 BI-	-20	0.8	-1464	-5270	-5270	0	0	-1.8	-3.5	51.6	-2	-6.4	49.7	0	0	0	-2	-6.4	49.7	0	0	0	3.7	-9.6	96.2	0	0	0	3.7	-9.6	96.2	0	0	0
LC114 F2 MAX. ICE VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC115 F11 WIND + ICE VS MIN. DE 0 NA+	-5	0.8	970	1940	0	60	4905	-10	20.6	136.9	-12.1	21.9	135.9	0	0	0	-12.1	21.9	135.9	0	0	0	-8.1	23.4	202.8	0	0	0	-8.1	23.4	202.8	0	0	0
LC116 F11 WIND + ICE VS MIN. DE 0 NA-	-5	0.8	-970	-1940	0	60	4905	-10	-20.6	136.9	-12.1	-21.9	135.9	0	0	0	-12.1	-21.9	135.9	0	0	0	-8.1	-23.4	202.8	0	0	0	-8.1	-23.4	202.8	0	0	0
LC117 F11 MAINTENANCE VS MIN. DE 0	-30	0.5	45	162	0	0	0	0.2	0.1	51.9	0	0.3	36.2	0	0	0	0	0.3	36.2	0	0	0	5.7	0.4	95.2	0	0	0	5.7	0.4	95.2	0	0	0
LC118 F11 BR G VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	3.7	0	63.3	0	0	0	3.7	0	63.3	0	0	0
LC119 F11 BR P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	9.9	0	0	0	0	0	3.7	0	63.3	0	0	0
LC120 F11 BR P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	3.7	0	63.3	0	0	0	9.9	0	0	0	0	0
LC121 F11 BR G + P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	9.9	0	0	0	0	0	3.7	0	63.3	0	0	0
LC122 F11 BR G + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	3.7	0	63.3	0	0	0	9.9	0	0	0	0	0
LC123 F11 BR P1 + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC124 F11 BR P1 + E1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2	0	29.1	0	0	0	1.3	0	0	0	0	0	9.9	0	0	0	0	0	3.7	0	63.3	0	0	0
LC125 F11 BR G + E1 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	-2	0	29.1	0	0	0	1.3	0	0	0	0	0	3.7	0	63.3	0	0	0	3.7	0	63.3	0	0	0
LC126 F2 UBL G VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-1.6	0	37.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC127 F2 UBL E1 VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	-1.7	0	20	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC128 F2 UBL P1 VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	4.6	0	61.9	0	0	0	-35.3	0	273.8	0	0	0
LC129 F2 UBL G + P1 VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-1.6	0	37.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	4.6	0	61.9	0	0	0	-35.3	0	273.8	0	0	0
LC130 F2 UBL G + E1 + P1 VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-1.6	0	37.5	-37.9	0	177.5	0	0	0	-1.7	0	20	0	0	0	4.6	0	61.9	0	0	0	-35.3	0	273.8	0	0	0
LC131 F2 EXTREME UBL G VS MIN. DE 0	-5	1	0	0	0	135	4905	0	0	0	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC132 F2 EXTREME UBL P1 VS MIN. DE 0	-5	1	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	10.2	0	0	0	0	0	-35.3	0	273.8	0	0	0
LC133 F2 EXTREME UBL P2 VS MIN. DE 0	-5	1	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	-37.9	0	177.5	0	0	0	-35.3	0	273.8	0	0	0	10.2	0	0	0	0	0
LC134 F2 EXTREME UBL E2 VS MIN. DE 0	-5	1	0	0	0	135	4905	-34	0	195.5	1.3	0	0	0	0	0	-37.9	0	177.5	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC135 F2 EXTREME UBL E1 VS MIN. DE 0	-5	1	0	0	0	135	4905	-34	0	195.5	-37.9	0	177.5	0	0	0	1.3	0	0	0	0	0	-35.3	0	273.8	0	0	0	-35.3	0	273.8	0	0	0
LC136 F11 EDT VS MIN. DE 0	0	0.8	0	0	0	0	0	-1.8	0	36	-2	0	29.1	0	0	0	-2	0	29.1	0	0	0	3.7	0	63.3	0	0	0	3.7	0	63.3	0	0	0
LC137 F11 COLD VS MIN. DE 0	-30	0.8	0	0	0	0	0	-1.8	0	51.8	-2	0	36.1	0	0	0	-2	0	36.1	0	0	0	3.7	0	95.2	0	0	0	3.7	0	95.2	0	0	0
LC138 F11 MAX. TRANS WIND DE 45 NA+	-20	0.8	2070	7452	0	0	0	2.9	32.1	59.9	6.5	39.2	62.6	0	0	0	6.5	39.2	62.6	0	0	0	19.6	69.9	122.3	0	0	0	19.6	69.9	122.3	0	0	0
LC139 F11 MAX. TRANS WIND DE 45 NA-	-20	0.8	-2070	-7452	0	0	0	2.9	19.5	64.8	6.5	16.2	71.2	0	0	0	6.5	16.2	71.2	0	0	0	19.6	36.2	133.9	0	0	0	19.6	36.2	133.9	0	0	0
LC140 F11 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	7452	0	0	2.9	32.1	59.9	6.5	39.2	62.6	0	0	0	6.5	39.2	62.6	0	0	0	19.6	69.9	122.3	0	0	0	19.6	69.9	122.3	0	0	0
LC141 F11 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-7452	0	0	2.9	19.5	64.8	6.5	16.2	71.2	0	0	0	6.5	16.2	71.2	0	0	0	19.6	36.2	133.9	0	0	0	19.6	36.2	133.9	0	0	0
LC142 F11 45° OBLIQUE WIND DE 45 BI+	-20	0.8	1464	5270	5270	0	0	2.9	17.5	39.1	6.5	13.9	27.4	0	0	0	6.5	13.9	27.4	0	0	0	19.6	32.4	67.4	0	0	0	19.6	32.4	67.4	0	0	0
LC143 F11 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-1464	-5270	-5270	0	0	2.9	15.2	39.8	6.5	9.3	28.6	0	0	0	6.5	9.3	28.6	0	0	0	19.6	24.1	69.1	0	0	0	19.6	24.1	69.1	0	0	0
LC144 F2 MAX. ICE DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC145 F11 WIND + ICE DE 45 NA+	-5	0.8	970	1940	0	60	4905	15.9	71.4	118.6	22.6	70.1	112.3	0	0	0	22.6	70.1	112.3	0	0	0	38.5	99.2	178.7	0	0	0	38.5	99.2	178.7	0	0	0
LC146 F11 WIND + ICE DE 45 NA-	-5	0.8	-970	-1940	0	60	4905	15.9	33.3	134.2	22.6	29.7	128.7	0	0	0	22.6	29.7	128.7	0	0	0	38.5	55.8	195.5	0	0	0	38.5	55.8	195.5	0	0	0
LC147 F11 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	4.9	19.9	47.7	8.5	12.3	29	0	0	0	8.5	12.3	29	0	0	0	21.6	36.7	87.6	0	0	0	21.6	36.7	87.6	0	0	0
LC148 F11 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	19.6	24.2	58.4	0	0	0	19.6	24.2	58.4	0	0	0
LC149 F11 BR P1 DE 45	0	0.8	0	0	0	0	0	2.9	13.7	33.2	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	9.9	0	0	0	0	0	19.6	24.2	58.4	0	0	0
LC150 F11 BR P2 DE 45	0	0.8	0	0	0	0	0	2.9	13.7	33.2	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	19.6	24.2	58.4	0	0	0	9.9	0	0	0	0	0
LC151 F11 BR G + P1 DE 45	0	0.8	0	0	0	0	0	0	0	0	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	9.9	0	0	0	0	0	19.6	24.2	58.4	0	0	0
LC152 F11 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	19.6	24.2	58.4	0	0	0	9.9	0	0	0	0	0
LC153 F11 BR P1 + P2 DE 45	0	0.8	0	0	0	0	0	2.9	13.7	33.2	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC154 F11 BR P1 + E1 DE 45	0	0.8	0	0	0	0	0	2.9	13.7	33.2	6.5	10.1	24.4	0	0	0	1.3	0	0	0	0	0	9.9	0	0	0	0	0	19.6	24.2	58.4	0	0	0
LC155 F11 BR G + E1 DE 45	0	0.8	0	0	0	0	0	0	0	0	6.5	10.1	24.4	0	0	0	1.3	0	0	0	0	0	19.6	24.2	58.4	0	0	0	19.6	24.2	58.4	0	0	0
LC156 F2 UBL G DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC157 F2 UBL E1 DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	5.4	7.2	17.3	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC158 F2 UBL P1 DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC159 F2 UBL G + P1 DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC160 F2 UBL G + E1 + P1 DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	5.4	7.2	17.3	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC161 F2 EXTREME UBL G DE 45	-5	1	0	0	0	135	4905	0	0	0	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC162 F2 EXTREME UBL P1 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	10.2	0	0	0	0	0	72.9	104.8	252.9	0	0	0
LC163 F2 EXTREME UBL P2 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	10.2	0	0	0	0	0
LC164 F2 EXTREME UBL E2 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	1.3	0	0	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC165 F2 EXTREME UBL E1 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	1.3	0	0	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC166 F2 EDT DE 45	0	0.8	0	0	0	0	0	2.3	13.8	33.3	5.4	7.1	17.1	0	0	0	5.4	7.1	17.1	0	0	0	17.8	22.9	55.3	0	0	0	17.8	22.9	55.3	0	0	0
LC167 F11 COLD DE 45	-30	0.8	0	0	0	0	0	2.9	19.8	47.7	6.5	12	29.1	0	0	0	6.5	12	29.1	0	0	0	19.6	36.3	87.7	0	0	0	19.6	36.3	87.7	0	0	0
LC168 F11 MAX. TRANS WIND VS MIN. DE 45 NA+	-20	0.8	2070	7452	0	0	0	-1.8	32.1	59.9	-2	41.3	67.7	0	0	0	-2	41.3	67.7	0	0	0	3.7	70	122.5	0	0	0	3.7	70	122.5	0	0	0
LC169 F11 MAX. TRANS WIND VS MIN. DE 45 NA-	-20	0.8	-2070	-7452	0	0	0	-1.8	19.5	64.8	-2	18.4	76.3	0	0	0	-2	18.4	76.3	0	0	0	3.7	36.2	134	0	0	0	3.7	36.2	134	0	0	0
LC170 F11 MAX. LONG WIND VS MIN. DE 45 NA+	-20	0.8	0	0	7452	0	0	-1.8	32.1	59.9	-2	41.3	67.7	0	0	0	-2	41.3	67.7	0	0	0	3.7	70	122.5	0	0	0	3.7	70	122.5	0	0	0
LC171

LC177 F11 MAINTENANCE VS MIN. DE 45	-30	0.5	45	162	0	0	0	0.2	20	47.9	0	14.1	33.3	0	0	0	0	14.1	33.3	0	0	0	5.7	36.8	87.8	0	0	0	5.7	36.8	87.8	0	0	0
LC178 F11 BR G VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	3.7	24.2	58.5	0	0	0	3.7	24.2	58.5	0	0	0
LC179 F11 BR P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.8	13.8	33.3	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	9.9	0	0	0	0	0	3.7	24.2	58.5	0	0	0
LC180 F11 BR P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.8	13.8	33.3	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	3.7	24.2	58.5	0	0	0	9.9	0	0	0	0	0
LC181 F11 BR G + P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	9.9	0	0	0	0	0	3.7	24.2	58.5	0	0	0
LC182 F11 BR G + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	3.7	24.2	58.5	0	0	0	9.9	0	0	0	0	0
LC183 F11 BR P1 + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.8	13.8	33.3	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC184 F11 BR P1 + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.8	13.8	33.3	-2	11.1	26.8	0	0	0	1.3	0	0	0	0	0	9.9	0	0	0	0	0	3.7	24.2	58.5	0	0	0
LC185 F11 BR G + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-2	11.1	26.8	0	0	0	1.3	0	0	0	0	0	3.7	24.2	58.5	0	0	0	3.7	24.2	58.5	0	0	0
LC186 F2 UBL G VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC187 F2 UBL E1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-1.7	7.6	18.5	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC188 F2 UBL P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC189 F2 UBL G + E1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC190 F2 UBL G + E1 + P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-1.7	7.6	18.5	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC191 F2 EXTREME UBL G VS MIN. DE 45	-5	1	0	0	0	135	4905	0	0	0	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC192 F2 EXTREME UBL P1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	10.2	0	0	0	0	0	-35.3	104.8	253	0	0	0
LC193 F2 EXTREME UBL P2 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	10.2	0	0	0	0	0
LC194 F2 EXTREME UBL E2 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	1.3	0	0	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC195 F2 EXTREME UBL E1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	1.3	0	0	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC196 F2 EDT VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.6	13.8	33.3	-1.7	7.6	18.2	0	0	0	-1.7	7.6	18.2	0	0	0	4.6	22.9	55.3	0	0	0	4.6	22.9	55.3	0	0	0
LC197 F2 COLD VS MIN. DE 45	-30	0.8	0	0	0	0	0	-1.6	20.5	49.4	-1.7	8.5	20.4	0	0	0	-1.7	8.5	20.4	0	0	0	4.6	36.4	87.9	0	0	0	4.6	36.4	87.9	0	0	0
LC198 F9 MAX. TRANS WIND ANGLE 45 NA+	-20	0.8	3460	12456	0	0	0	7.5	92	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	108.4	178.8	22.7	108.4	-178.8	22.7	108.4	178.8	22.7	108.4	-178.8
LC199 F9 MAX. TRANS WIND ANGLE 45 NA-	-20	0.8	-3460	-12456	0	0	0	7.5	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.3	199.6	22.7	48.3	-199.6	22.7	48.3	199.6	22.7	48.3	-199.6
LC200 F9 MAX. LONG WIND ANGLE 45 NA+	-20	0.8	0	0	12456	0	0	7.5	92	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	108.4	178.8	22.7	108.4	-178.8	22.7	108.4	178.8	22.7	108.4	-178.8
LC201 F9 MAX. LONG WIND ANGLE 45 NA-	-20	0.8	0	0	-12456	0	0	7.5	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.3	199.6	22.7	48.3	-199.6	22.7	48.3	199.6	22.7	48.3	-199.6
LC202 F9 45° OBLIQUE WIND ANGLE 45 BI+	-20	0.8	2447	8809	8809	0	0	7.5	60.3	-32.6	0	0	0	0	0	0	0	0	0	0	0	0	22.7	39.9	77.5	22.7	96.9	-164.8	22.7	39.9	77.5	22.7	96.9	-164.8
LC203 F9 45° OBLIQUE WIND ANGLE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	7.5	37.1	-38.8	0	0	0	0	0	0	0	0	0	0	0	0	22.7	25.5	80.5	22.7	47	-182.5	22.7	25.5	80.5	22.7	47	-182.5
LC204 F6 MAX. ICE ANGLE 45	-5	0.8	0	0	0	135	4905	142.8	160.9	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	105.7	103.2	-249.2	105.7	103.2	249.2	105.7	103.2	-249.2
LC205 F9 WIND + ICE ANGLE 45 NA+	-5	0.8	1580	3160	0	60	4905	41.8	204	0	0	0	0	0	0	0	0	0	0	0	0	0	47.5	136.4	223.1	47.5	136.4	-223.1	47.5	136.4	223.1	47.5	136.4	-223.1
LC206 F9 WIND + ICE ANGLE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	41.8	70.2	0	0	0	0	0	0	0	0	0	0	0	0	0	47.5	60.6	252.6	47.5	60.6	-252.6	47.5	60.6	252.6	47.5	60.6	-252.6
LC207 F9 MAINTENANCE ANGLE 45	-30	0.5	45	162	0	0	0	11.5	38.9	0	0	0	0	0	0	0	0	0	0	0	0	0	24.7	40.6	96.8	24.7	40.6	-96.8	24.7	40.6	96.8	24.7	40.6	-96.8
LC208 F9 BR G ANGLE 45	0	0.8	0	0	0	0	0	3.8	13.7	-33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	22.7	26.5	-63.9	22.7	26.5	63.9	22.7	26.5	-63.9
LC209 F9 BR P1 ANGLE 45	0	0.8	0	0	0	0	0	7.5	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	22.7	26.5	-63.9	22.7	26.5	63.9	22.7	26.5	-63.9
LC210 F9 BR P2 ANGLE 45	0	0.8	0	0	0	0	0	7.5	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	22.7	26.5	-63.9	9.9	0	0	22.7	26.5	-63.9
LC211 F9 BR G + P1 ANGLE 45	0	0.8	0	0	0	0	0	3.8	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	9.9	0	0	22.7	26.5	63.9	22.7	26.5	-63.9
LC212 F9 BR G + P2 ANGLE 45	0	0.8	0	0	0	0	0	3.8	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	22.7	26.5	-63.9	22.7	26.5	63.9	9.9	0	0
LC213 F9 BR P1 + P2 ANGLE 45	0	0.8	0	0	0	0	0	7.5	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	9.9	0	0	22.7	26.5	63.9	9.9	0	0
LC214 F9 BR G + P2 + P1 ANGLE 45	0	0.8	0	0	0	0	0	3.8	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	9.9	0	0	22.7	26.5	63.9	9.9	0	0
LC215 F9 G D + P2 + P1 ANGLE 45	0	1	0	0	0	0	0	3.8	34.3	82.9	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	9.9	0	0	22.7	26.5	63.9	9.9	0	0
LC216 F9 G + P2 D + P1 ANGLE 45	0	1	0	0	0	0	0	3.8	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	9.9	0	0	22.7	66.2	159.7	9.9	0	0
LC217 F9 G + P2 + P1 D ANGLE 45	0	1	0	0	0	0	0	3.8	13.7	33.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	66.2	159.7	9.9	0	0	22.7	26.5	63.9	9.9	0	0
LC218 F6 UBL G ANGLE 45	-5	0.8	0	0	0	135	4905	74.8	94	161.5	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	105.7	103.2	-249.2	105.7	103.2	249.2	105.7	103.2	-249.2
LC219 F6 UBL P1 ANGLE 45	-5	0.8	0	0	0	135	4905	142.8	160.9	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	21.9	18.8	-45.3	105.7	103.2	249.2	105.7	103.2	-249.2
LC220 F9 UBL G + P1 ANGLE 45	-5	0.8	0	0	0	115	4905	62.8	85.6	138.1	0	0	0	0	0	0	0	0	0	0	0	0	92.8	104.1	251.3	22.7	27.2	-65.7	92.8	104.1	251.3	92.8	104.1	-251.3
LC221 F9 UBL G + P1 + P2 ANGLE 45	-5	0.8	0	0	0	115	4905	62.8	85.6	138.1	0	0	0	0	0	0	0	0	0	0	0	0	92.8	104.1	251.3	22.7	27.2	-65.7	92.8	104.1	251.3	22.7	27.2	-65.7
LC222 F6 EXTREME UBL G ANGLE 45	-5	1	0	0	0	135	4905	71.4	80.5	194.2	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	105.7	103.2	-249.2	105.7	103.2	249.2	105.7	103.2	-249.2
LC223 F6 EXTREME UBL P1 ANGLE 45	-5	1	0	0	0	135	4905	142.8	160.9	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	10.2	0	0	105.7	103.2	249.2	105.7	103.2	-249.2
LC224 F6 EXTREME UBL P2 ANGLE 45	-5	1	0	0	0	135	4905	142.8	160.9	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	103.2	249.2	105.7	103.2	-249.2	105.7	103.2	249.2	10.2	0	0
LC225 F9 EDT ANGLE 45	0	0.8	0	0	0	0	0	7.5	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	26.5	63.9	22.7	26.5	-63.9	22.7	26.5	63.9	22.7	26.5	-63.9
LC226 F9 COLD ANGLE 45	-15	0.8	0	0	0	0	0	7.5	35	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	36.2	87.3	22.7	36.2	-87.3	22.7	36.2	87.3	22.7	36.2	-87.3
LC227 F9 MAX. TRANS WIND VS MIN. ANGLE 45 NA+	-20	0.8	3460	12456	0	0	0	-4.8	92	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	108.6	179.1	1.5	108.6	-179.1	1.5	108.6	179.1	1.5	108.6	-179.1
LC228 F9 MAX. TRANS WIND VS MIN. ANGLE 45 NA-	-20	0.8	-3460	-12456	0	0	0	-4.8	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	48.5	199.9	1.5	48.5	-199.9	1.5	48.5	199.9	1.5	48.5	-199.9
LC229 F9 MAX. LONG WIND VS MIN. ANGLE 45 NA+	-20	0.8	0	0	12456	0	0	-4.8	92	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	108.6	179.1	1.5	108.6	-179.1	1.5	108.6	179.1	1.5	108.6	-179.1
LC230 F9 MAX. LONG WIND VS MIN. ANGLE 45 NA-	-20	0.8	0	0	-12456	0	0	-4.8	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	48.5	199.9	1.5	48.5	-199.9	1.5	48.5	199.9	1.5	48.5	-199.9
LC231 F9 45° OBLIQUE WIND VS MIN. ANGLE 45 BI+	-20	0.8	2447	8809	8809	0	0	-4.8	60.4	-32.5	0	0	0	0	0	0	0	0	0	0	0	0	1.5	40	77.8	1.5	97	-165.2	1.5	40	77.8	1.5	97	-165.2
LC232 F9 45° OBLIQUE WIND VS MIN. ANGLE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	-4.8	37.2	-38.7	0	0	0	0	0	0	0	0	0	0	0	0	1.5	25.7	80.8	1.5	47.2	-182.9	1.5	25.7	80.8	1.5	47.2	-182.9
LC233 F6 MAX. ICE VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-101.9	161.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	-58.1	106.4	-256.8	-58.1	106.4	256.8	-58.1	106.4	-256.8
LC234 F9 WIND + ICE VS MIN. ANGLE 45 NA+	-5	0.8	1580	3160	0	60	4905	-27.2	204.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.7	136.5	223.4	-14.7	136.5	-223.4	-14.7	136.5	223.4	-14.7	136.5	-223.4
LC235 F9 WIND + ICE VS MIN. ANGLE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	-27.2	70.2	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.7	60.7	252.9	-14.7	60.7	-252.9	-14.7	60.7	252.9	-14.7	60.7	-252.9
LC236 F9 MAINTENANCE VS MIN. ANGLE 45	-30	0.5	45	162	0	0	0	-0.8	39	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	40.8	97.4	3.5	40.8	-97.4	3.5	40.8	97.4	3.5	40.8	-97.4
LC237 F9 BR G VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	-33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	1.5	26.6	-64.1	1.5	26.6	64.1	1.5	26.6	-64.1
LC238 F9 BR P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	1.5	26.6	-64.1	1.5	26.6	64.1	1.5	26.6	-64.1
LC239 F9 BR P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	1.5	26.6	-64.1	9.9	0	0	1.5	26.6	-64.1
LC240 F9 BR G + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	9.9	0	0	1.5	26.6	64.1	1.5	26.6	-64.1
LC241 F9 BR G + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	1.5	26.6	-64.1	1.5	26.6	64.1	9.9	0	0
LC242 F9 BR P1 + P2 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	9.9	0	0	1.5	26.6	64.1	9.9	0	0
LC243 F9 BR G + P2 + P1 VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-2.4	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	9.9	0	0	1.5	26.6	64.1	9.9	0	0
LC244 F9 G D + P2 + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	34.4	83.1	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	9.9	0	0	1.5	26.6	64.1	9.9	0	0
LC245 F9 G + P2 D + P1 VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	9.9	0	0	1.5	66.4	160.3	9.9	0	0
LC246 F9 G + P2 + P1 D VS MIN. ANGLE 45	0	1	0	0	0	0	0	-2.4	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	1.5	66.4	160.3	9.9	0	0	1.5	26.6	64.1	9.9	0	0
LC247 F6 UBL G VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-53.4	95.2	160.9	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	-58.1	106.4	-256.8	-58.1	106.4	256.8	-58.1	106.4	-256.8
LC248 F6 UBL P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	135	4905	-101.9	161.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	1.8	20.8	-50.1	-58.1	106.4	256.8	-58.1	106.4	-256.8
LC249 F12 UBL G + P1 VS MIN. ANGLE 45	-5	0.8	0	0	0	115	4905	-40.9	90.1	149	0	0	0	0	0	0	0	0	0	0	0	0	-44.2	107.5	259.6	1.5	26.9	-64.9	-44.2	107.5	259.6	-44.2	107.5	-259.6
LC250 F12 UBL G + P1 + P2 VS MIN. ANGLE 45	-5	0.8	0	0	0	115	4905	-40.9	90.1	149	0	0	0	0	0	0	0	0	0	0	0	0	-44.2	107.5	259.6	1.5	26.9	-64.9	-44.2	107.5	259.6	1.5	26.9	-64.9
LC251 F6 EXTREME UBL G VS MIN. ANGLE 45	-5	1	0	0	0	135	4905	-51	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	-58.1	106.4	-256.8	-58.1	106.4	256.8	-58.1	106.4	-256.8
LC252 F6 EXTREME UBL P1 VS MIN. ANGLE 45	-5	1	0	0	0	135	4905	-101.9	161.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	10.2	0	0	-58.1	106.4	256.8	-58.1	106.4	-256.8
LC253 F6 EXTREME UBL P2 VS MIN. ANGLE 45	-5	1	0	0	0	135	4905	-101.9	161.8	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	106.4	256.8	-58.1	106.4	-256.8	-58.1	106.4	256.8	10.2	0	0
LC254 F9 EDT VS MIN. ANGLE 45	0	0.8	0	0	0	0	0	-4.8	27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	26.6	64.1	1.5	26.6	-64.1	1.5	26.6	64.1	1.5	26.6	-64.1
LC255 F9 COLD VS MIN. ANGLE 45	-30	0.8	0	0	0	0	0	-4.8	35.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	36.4	87.8	1.5	36.4	-87.8	1.5	36.4	87.8	1.5	36.4	-87.8
LC256 F9 MAX. TRANS WIND DE 0 NA+	-20	0.8	3460	12456	0	0	0	3.3	12.2	90.6	0	0	0	0	0	0	0	0	0	0	0	0	21	32.1	204.9	0	0	0	21	32.1	204.9	0	0	0
LC257 F9 MAX. TRANS WIND DE 0 NA-	-20	0.8	-3460	-12456	0	0	0	3.3	-12.2	90.6	0	0	0	0	0	0	0	0	0	0	0	0	21	-32.1	204.9	0	0	0	21	-32.1	204.9	0	0	0
LC258 F9 MAX. LONG WIND DE 0 NA+	-20	0.8	0	0	12456	0	0	3.3	12.2	90.6	0	0	0	0	0	0	0	0	0	0	0	0	21	32.1	204.9	0	0	0	21	32.1	204.9	0	0	0
LC259 F9 MAX. LONG WIND DE 0 NA-	-20	0

LC268 F9 BR P2 DE 0	0	0.8	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.2	0	0	0	9.9	0	0	0	0	0
LC269 F9 BR G + P2 DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.2	0	0	0	9.9	0	0	0	0	0
LC270 F6 UBL G DE 0	-5	0.8	0	0	0	135	4905	2.9	0	37.2	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	0	274.9	0	0	0	89.8	0	274.9	0	0	0
LC271 F6 UBL P1 DE 0	-5	0.8	0	0	0	135	4905	59.5	0	211.4	0	0	0	0	0	0	0	0	0	0	0	0	0	19.9	0	52.2	0	0	0	89.8	0	274.9	0	0	0
LC272 F6 EXTREME UBL G DE 0	-5	1	0	0	0	135	4905	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	0	274.9	0	0	0	89.8	0	274.9	0	0	0
LC273 F6 EXTREME UBL P1 DE 0	-5	1	0	0	0	135	4905	59.5	0	211.4	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	89.8	0	274.9	0	0	0
LC274 F9 EDT DE 0	0	0.8	0	0	0	0	0	3.3	0	35.9	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	69.2	0	0	0	21	0	69.2	0	0	0
LC275 F9 COLD DE 0	-30	0.8	0	0	0	0	0	3.3	0	45.8	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	94.7	0	0	0	21	0	94.7	0	0	0
LC276 F9 MAX. TRANS WIND VS MIN. DE 0 NA+	-20	0.8	3460	12456	0	0	0	-2	12.2	90.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	32.1	205.2	0	0	0	2.9	32.1	205.2	0	0	0
LC277 F9 MAX. TRANS WIND VS MIN. DE 0 NA-	-20	0.8	-3460	-12456	0	0	0	-2	-12.2	90.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-32.1	205.2	0	0	0	2.9	-32.1	205.2	0	0	0
LC278 F9 MAX. LONG WIND VS MIN. DE 0 NA+	-20	0.8	0	0	12456	0	0	-2	12.2	90.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	32.1	205.2	0	0	0	2.9	32.1	205.2	0	0	0
LC279 F9 MAX. LONG WIND VS MIN. DE 0 NA-	-20	0.8	0	0	-12456	0	0	-2	-12.2	90.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-32.1	205.2	0	0	0	2.9	-32.1	205.2	0	0	0
LC280 F9 45° OBLIQUE WIND VS MIN. DE 0 BI+	-20	0.8	2447	8809	8809	0	0	-2	6.2	63.6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	17.1	135.1	0	0	0	2.9	17.1	135.1	0	0	0
LC281 F9 45° OBLIQUE WIND VS MIN. DE 0 BI-	-20	0.8	-2447	-8809	-8809	0	0	-2	-6.2	63.6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	-17.1	135.1	0	0	0	2.9	-17.1	135.1	0	0	0
LC282 F6 MAX. ICE VS MIN. DE 0	-5	0.8	0	0	0	135	4905	-37.4	0	211.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	0	281.8	0	0	0	-39.9	0	281.8	0	0	0
LC283 F9 WIND + ICE VS MIN. DE 0 NA+	-5	0.8	1580	3160	0	60	4905	-11.3	36.2	179.2	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	40.8	257.8	0	0	0	-10.6	40.8	257.8	0	0	0
LC284 F9 WIND + ICE VS MIN. DE 0 NA-	-5	0.8	-1580	-3160	0	60	4905	-11.3	-36.2	179.2	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	-40.8	257.8	0	0	0	-10.6	-40.8	257.8	0	0	0
LC285 F9 MAINTENANCE VS MIN. DE 0	-30	0.5	45	162	0	0	0	0	0.1	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	0.4	105.7	0	0	0	4.9	0.4	105.7	0	0	0
LC286 F9 BR G VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	69.4	0	0	0	2.9	0	69.4	0	0	0
LC287 F9 BR P1 VS MIN. DE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	2.9	0	69.4	0	0	0
LC288 F9 BR P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	69.4	0	0	0	9.9	0	0	0	0	0
LC289 F9 BR G + P2 VS MIN. DE 0	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	69.4	0	0	0	9.9	0	0	0	0	0
LC290 F12 UBL G VS MIN. DE 0	-5	0.8	0	0	0	115	4905	-2.2	0	37.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.8	0	282	0	0	0	-38.8	0	282	0	0	0
LC291 F12 UBL P1 VS MIN. DE 0	-5	0.8	0	0	0	115	4905	-34.6	0	198.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0	71.1	0	0	0	-38.8	0	282	0	0	0
LC292 F12 EXTREME UBL G VS MIN. DE 0	-5	1	0	0	0	115	4905	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.8	0	282	0	0	0	-38.8	0	282	0	0	0
LC293 F6 EXTREME UBL P1 VS MIN. DE 0	-5	1	0	0	0	135	4905	-37.4	0	211.5	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	-39.9	0	281.8	0	0	0
LC294 F9 EDT VS MIN. DE 0	0	0.8	0	0	0	0	0	-2	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	69.4	0	0	0	2.9	0	69.4	0	0	0
LC295 F9 COLD VS MIN. DE 0	-30	0.8	0	0	0	0	0	-2	0	45.9	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	95.1	0	0	0	2.9	0	95.1	0	0	0
LC296 F9 MAX. TRANS WIND DE 45 NA+	-20	0.8	3460	12456	0	0	0	3.3	46	79.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108.5	178.9	0	0	0	21	108.5	178.9	0	0	0
LC297 F9 MAX. TRANS WIND DE 45 NA-	-20	0.8	-3460	-12456	0	0	0	3.3	23.3	88.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48.4	199.7	0	0	0	21	48.4	199.7	0	0	0
LC298 F9 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	12456	0	0	3.3	46	79.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108.5	178.9	0	0	0	21	108.5	178.9	0	0	0
LC299 F9 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-12456	0	0	3.3	23.3	88.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48.4	199.7	0	0	0	21	48.4	199.7	0	0	0
LC300 F9 45° OBLIQUE WIND DE 45 BI+	-20	0.8	2447	8809	8809	0	0	3.3	19	40.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	40	77.6	0	0	0	21	40	77.6	0	0	0
LC301 F9 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	3.3	15	41.7	0	0	0	0	0	0	0	0	0	0	0	0	0	21	25.6	80.7	0	0	0	21	25.6	80.7	0	0	0
LC302 F6 MAX. ICE DE 45	-5	0.8	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	105.2	254	0	0	0	89.8	105.2	254	0	0	0
LC303 F9 WIND + ICE DE 45 NA+	-5	0.8	1580	3160	0	60	4905	18.2	102	151.8	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	136.5	223.2	0	0	0	42.6	136.5	223.2	0	0	0
LC304 F9 WIND + ICE DE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	18.2	35.1	179.2	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	60.7	252.7	0	0	0	42.6	60.7	252.7	0	0	0
LC305 F9 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	5.3	19.5	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	23	40.6	97	0	0	0	23	40.6	97	0	0	0
LC306 F9 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	21	26.5	64	0	0	0
LC307 F9 BR P1 DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	21	26.5	64	0	0	0
LC308 F9 BR P2 DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	9.9	0	0	0	0	0
LC309 F9 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	9.9	0	0	0	0	0
LC310 F6 UBL G DE 45	-5	0.8	0	0	0	135	4905	2.9	14.3	34.4	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	105.2	254	0	0	0	89.8	105.2	254	0	0	0
LC311 F6 UBL P1 DE 45	-5	0.8	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	19.9	20	48.2	0	0	0	89.8	105.2	254	0	0	0
LC312 F6 EXTREME UBL G DE 45	-5	1	0	0	0	135	4905	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	105.2	254	0	0	0	89.8	105.2	254	0	0	0
LC313 F6 EXTREME UBL P1 DE 45	-5	1	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	89.8	105.2	254	0	0	0
LC314 F9 EDT DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	21	26.5	64	0	0	0
LC315 F9 COLD DE 45	-30	0.8	0	0	0	0	0	3.3	17.5	42.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	36.3	87.5	0	0	0	21	36.3	87.5	0	0	0
LC316 F9 MAX. TRANS WIND VS MIN. DE 45 NA+	-20	0.8	3460	12456	0	0	0	-2	46	79.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	108.6	179.2	0	0	0	2.9	108.6	179.2	0	0	0
LC317 F9 MAX. TRANS WIND VS MIN. DE 45 NA-	-20	0.8	-3460	-12456	0	0	0	-2	23.4	88.2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	48.5	200	0	0	0	2.9	48.5	200	0	0	0
LC318 F9 MAX. LONG WIND VS MIN. DE 45 NA+	-20	0.8	0	0	12456	0	0	-2	46	79.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	108.6	179.2	0	0	0	2.9	108.6	179.2	0	0	0
LC319 F9 MAX. LONG WIND VS MIN. DE 45 NA-	-20	0.8	0	0	-12456	0	0	-2	23.4	88.2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	48.5	200	0	0	0	2.9	48.5	200	0	0	0
LC320 F9 45° OBLIQUE WIND VS MIN. DE 45 BI+	-20	0.8	2447	8809	8809	0	0	-2	19.1	40.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	40.1	77.9	0	0	0	2.9	40.1	77.9	0	0	0
LC321 F9 45° OBLIQUE WIND VS MIN. DE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	-2	15	41.8	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	25.7	80.9	0	0	0	2.9	25.7	80.9	0	0	0
LC322 F6 MAX. ICE VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-37.4	80.9	195.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	107.8	260.3	0	0	0	-39.9	107.8	260.3	0	0	0
LC323 F9 WIND + ICE VS MIN. DE 45 NA+	-5	0.8	1580	3160	0	60	4905	-11.3	102	151.9	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	136.6	223.5	0	0	0	-10.6	136.6	223.5	0	0	0
LC324 F9 WIND + ICE VS MIN. DE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	-11.3	35.1	179.3	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	60.8	253	0	0	0	-10.6	60.8	253	0	0	0
LC325 F9 MAINTENANCE VS MIN. DE 45	-30	0.5	45	162	0	0	0	0	19.5	46.8	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	40.8	97.5	0	0	0	4.9	40.8	97.5	0	0	0
LC326 F9 BR G VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	2.9	26.6	64.1	0	0	0
LC327 F9 BR P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	2.9	26.6	64.1	0	0	0
LC328 F9 BR P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	9.9	0	0	0	0	0
LC329 F9 BR G + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	9.9	0	0	0	0	0
LC330 F6 UBL G VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.8	14.3	34.5	0	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	107.8	260.3	0	0	0	-39.9	107.8	260.3	0	0	0
LC331 F6 UBL P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-37.4	80.9	195.4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	21.9	52.8	0	0	0	-39.9	107.8	260.3	0	0	0
LC332 F6 EXTREME UBL G VS MIN. DE 45	-5	1	0	0	0	135	4905	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	107.8	260.3	0	0	0	-39.9	107.8	260.3	0	0	0
LC333 F6 EXTREME UBL P1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-37.4	80.9	195.4	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	-39.9	107.8	260.3	0	0	0
LC334 F9 EDT VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	2.9	26.6	64.1	0	0	0
LC335 F9 COLD VS MIN. DE 45	-30	0.8	0	0	0	0	0	-2	17.6	42.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	36.4	87.9	0	0	0	2.9	36.4	87.9	0	0	0

STRUCTURE TYPE: LATTICE ANGLE TOWER E1			WIND ON STRUCTURE AND CABLES			ICE ON STRUCTURES AND CABLES		POINTS OF LOADING ATTACHMENT																							
LINE DEFLECTION: 45° TO 90°								G			E2			E2b			E1			E1b			P1			P1b			P2			P2b		
LOAD COMBINATION	TEMP. (°C)	STRENGTH FACTOR	WIND ON CABLE (Pa)	TRANS. WIND (Pa)	LONG. WIND (Pa)	ICE THICKNESS (mm)	ICE DENSITY (N/m3)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)	V (kN)	T (kN)	L (kN)
LC1 F11 MAX. TRANS WIND ANGLE 90 NA+	-20	0.8	2070	7452	0	0	0	6.9	105.2	0	7.6	57.6	40.6	7.6	57.6	-40.6	7.6	57.6	40.6	7.6	57.6	-40.6	21.6	111.5	87.3	21.6	111.5	-87.3	21.6	111.5	87.3	21.6	111.5	-87.3
LC2 F11 MAX. TRANS WIND ANGLE 90 NA-	-20	0.8	-2070	-7452	0	0	0	6.9	85.5	0	7.6	39.5	56.5	7.6	39.5	-56.5	7.6	39.5	56.5	7.6	39.5	-56.5	21.6	84.3	108.6	21.6	84.3	-108.6	21.6	84.3	108.6	21.6	84.3	-108.6
LC3 F11 MAX. LONG WIND ANGLE 90 NA+	-20	0.8	0	0	7452	0	0	6.9	105.2	0	7.6	57.6	40.6	7.6	57.6	-40.6	7.6	57.6	40.6	7.6	57.6	-40.6	21.6	111.5	87.3	21.6	111.5	-87.3	21.6	111.5	87.3	21.6	111.5	-87.3
LC4 F11 MAX. LONG WIND ANGLE 90 NA-	-20	0.8	0	0	-7452	0	0	6.9	85.5	0	7.6	39.5	56.5	7.6	39.5	-56.5	7.6	39.5	56.5	7.6	39.5	-56.5	21.6	84.3	108.6	21.6	84.3	-108.6	21.6	84.3	108.6	21.6	84.3	-108.6
LC5 F11 45° OBLIQUE WIND ANGLE 90 BI+	-20	0.8	1464	5270	5270	0	0	6.9	82.1	-13.8	7.6	19.4	18.6	7.6	57.2	-40.6	7.6	19.4	18.6	7.6	57.2	-40.6	21.6	52.3	50.2	21.6	110.7	-87.3	21.6	52.3	50.2	21.6	110.7	-87.3
LC6 F11 45° OBLIQUE WIND ANGLE 90 BI-	-20	0.8	-1464	-5270	-5270	0	0	6.9	71.9	-22.8	7.6	17.9	18.6	7.6	39.8	-56.5	7.6	17.9	18.6	7.6	39.8	-56.5	21.6	48.1	50.2	21.6	85.2	-108.6	21.6	48.1	50.2	21.6	85.2	-108.6
LC7 F2 MAX. ICE ANGLE 90	-5	0.8	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC8 F11 WIND + ICE ANGLE 90 NA+	-5	0.8	970	1940	0	60	4905	38.2	222.8	0	26.8	105	74.3	26.8	105	-74.3	26.8	105	74.3	26.8	105	-74.3	44.3	160.1	127.6	44.3	160.1	-127.6	44.3	160.1	127.6	44.3	160.1	-127.6
LC9 F11 WIND + ICE ANGLE 90 NA-	-5	0.8	-970	-1940	0	60	4905	38.2	164.2	0	26.8	73.8	104.5	26.8	73.8	-104.5	26.8	73.8	104.5	26.8	73.8	-104.5	44.3	126.2	158.7	44.3	126.2	-158.7	44.3	126.2	158.7	44.3	126.2	-158.7
LC10 F11 TD G + E1 + E2 + P1 + P2 ANGLE 90	-30	0.5	45	162	0	0	0	29	74.1	2.5	29.5	65	2.8	0	0	0	29.2	65	2.8	0	0	0	72	146.7	3.9	0	0	0	55.1	146.7	3.9	0	0	0
LC11 F11 TD G + E2 + P2 ANGLE 90	-30	0.5	45	162	0	0	0	29	74.1	2.5	0	0	0	0	0	0	29.2	65	2.8	0	0	0	72	146.7	3.9	0	0	0	0	0	0	0	0	0
LC12 F11 TD G + E1 + P1 ANGLE 90	-30	0.5	45	162	0	0	0	29	74.1	2.5	29.5	65	2.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55.1	146.7	3.9	0	0	0
LC13 F11 MAINTENANCE ANGLE 90	-30	0.5	45	162	0	0	0	10.9	73.2	0	9.6	20.6	20.2	9.6	20.6	-20.2	9.6	20.6	20.2	9.6	20.6	-20.2	23.6	67.3	66.7	23.6	67.3	-66.7	23.6	67.3	66.7	23.6	67.3	-66.7
LC14 F3 BR G ANGLE 90	0	0.8	0	0	0	0	0	2.6	13	-13	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	27.4	51.8	-51.8	27.4	51.8	51.8	27.4	51.8	-51.8
LC15 F3 BR P1 ANGLE 90	0	0.8	0	0	0	0	0	5.2	25.9	0	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	9.3	0	0	27.4	51.8	-51.8	27.4	51.8	51.8	27.4	51.8	-51.8
LC16 F3 BR P2 ANGLE 90	0	0.8	0	0	0	0	0	5.2	25.9	0	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	27.4	51.8	-51.8	9.3	0	0	27.4	51.8	-51.8
LC17 F3 BR G + P1 ANGLE 90	0	0.8	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	27.4	51.8	-51.8
LC18 F3 BR G + P2 ANGLE 90	0	0.8	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	27.4	51.8	-51.8	27.4	51.8	51.8	9.3	0	0
LC19 F3 BR P1 + P2 ANGLE 90	0	0.8	0	0	0	0	0	5.2	25.9	0	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	9.3	0	0
LC20 F3 BR P1 + E1 ANGLE 90	0	0.8	0	0	0	0	0	5.2	25.9	0	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	1.9	0	0	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	27.4	51.8	-51.8
LC21 F3 BR G + E1 ANGLE 90	0	0.8	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	1.9	0	0	27.4	51.8	51.8	27.4	51.8	-51.8	27.4	51.8	51.8	27.4	51.8	-51.8
LC22 F3 BR G + E2 + E1 + P2 + P1 ANGLE 90	0	0.8	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	1.9	0	0	9.2	22.9	22.9	1.9	0	0	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	9.3	0	0
LC23 F11 BR G D + E2 + E1 + P2 + P1 ANGLE 90	0	1	0	0	0	0	0	3.4	63.5	63.5	7.6	17.5	17.5	1.3	0	0	7.6	17.5	17.5	1.3	0	0	21.6	44.6	44.6	9.9	0	0	21.6	44.6	44.6	9.9	0	0
LC24 F3 BR G + E2 D + E1 + P2 + P1 ANGLE 90	0	1	0	0	0	0	0	2.6	13	13	9.2	57.4	57.4	1.9	0	0	9.2	22.9	22.9	1.9	0	0	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	9.3	0	0
LC25 F3 BR G + E2 + E1 D + P2 + P1 ANGLE 90	0	1	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	1.9	0	0	9.2	57.4	57.4	1.9	0	0	27.4	51.8	51.8	9.3	0	0	27.4	51.8	51.8	9.3	0	0
LC26 F3 BR G + E2 + E1 + P2 D + P1 ANGLE 90	0	1	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	1.9	0	0	9.2	22.9	22.9	1.9	0	0	27.4	51.8	51.8	9.3	0	0	27.4	129.5	129.5	9.3	0	0
LC27 F3 BR G + E2 + E1 + P2 + P1 D ANGLE 90	0	1	0	0	0	0	0	2.6	13	13	9.2	22.9	22.9	1.9	0	0	9.2	22.9	22.9	1.9	0	0	27.4	129.5	129.5	9.3	0	0	27.4	51.8	51.8	9.3	0	0
LC28 F2 UBL G ANGLE 90	-5	0.8	0	0	0	135	4905	64.1	164.7	111.8	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC29 F2 UBL E1 ANGLE 90	-5	0.8	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	6.7	12.1	-12.1	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC30 F2 UBL P1 ANGLE 90	-5	0.8	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	20.2	43.7	-43.7	92	193.5	193.5	92	193.5	-193.5
LC31 F2 UBL G + P1 ANGLE 90	-5	0.8	0	0	0	135	4905	64.1	164.7	111.8	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	20.2	43.7	-43.7	92	193.5	193.5	92	193.5	-193.5
LC32 F2 UBL G + E1 + P1 ANGLE 90	-5	0.8	0	0	0	135	4905	64.1	164.7	111.8	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	6.7	12.1	-12.1	92	193.5	193.5	20.2	43.7	-43.7	92	193.5	193.5	92	193.5	-193.5
LC33 F2 UBL G + E1 + E2 + P1 + P2 ANGLE 90	-5	0.8	0	0	0	135	4905	64.1	164.7	111.8	71.9	118.5	118.5	6.7	12.1	-12.1	71.9	118.5	118.5	6.7	12.1	-12.1	92	193.5	193.5	20.2	43.7	-43.7	92	193.5	193.5	20.2	43.7	-43.7
LC34 F2 EXTREME UBL G ANGLE 90	-5	1	0	0	0	135	4905	61.2	138.2	138.2	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC35 F2 EXTREME UBL P1 ANGLE 90	-5	1	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	10.2	0	0	92	193.5	193.5	92	193.5	-193.5
LC36 F2 EXTREME UBL P2 ANGLE 90	-5	1	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	10.2	0	0
LC37 F2 EXTREME UBL E2 ANGLE 90	-5	1	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	1.3	0	0	71.9	118.5	118.5	71.9	118.5	-118.5	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC38 F2 EXTREME UBL E1 ANGLE 90	-5	1	0	0	0	135	4905	122.4	276.5	0	71.9	118.5	118.5	71.9	118.5	-118.5	71.9	118.5	118.5	1.3	0	0	92	193.5	193.5	92	193.5	-193.5	92	193.5	193.5	92	193.5	-193.5
LC39 F3 EDT ANGLE 90	0	0.8	0	0	0	0	0	5.2	25.9	0	9.2	22.9	22.9	9.2	22.9	-22.9	9.2	22.9	22.9	9.2	22.9	-22.9	27.4	51.8	51.8	27.4	51.8	-51.8	27.4	51.8	51.8	27.4	51.8	-51.8
LC40 F11 COLD ANGLE 90	-30	0.8	0	0	0	0	0	6.9	73	0	7.6	20.4	20.4	7.6	20.4	-20.4	7.6	20.4	20.4	7.6	20.4	-20.4	21.6	66.9	66.9	21.6	66.9	-66.9	21.6	66.9	66.9	21.6	66.9	-66.9
LC41 F11 MAX. TRANS WIND VS MIN. ANGLE 90 NA+	-20	0.8	2070	7452	0	0	0	-4.8	105.3	0	-3.2	61.9	44.9	-3.2	61.9	-44.9	-3.2	61.9	44.9	-3.2	61.9	-44.9	1.5	111.7	87.4	1.5	111.7	-87.4	1.5	111.7	87.4	1.5	111.7	-87.4
LC42 F11 MAX. TRANS WIND VS MIN. ANGLE 90 NA-	-20	0.8	-2070	-7452	0	0	0	-4.8	85.6	0	-3.2	43.8	60.8	-3.2	43.8	-60.8	-3.2	43.8	60.8	-3.2	43.8	-60.8	1.5	84.4	108.7	1.5	84.4	-108.7	1.5	84.4	108.7	1.5	84.4	-108.7
LC43 F11 MAX. LONG WIND VS MIN. ANGLE 90 NA+	-20	0.8	0	0	7452	0	0	-4.8	105.3	0	-3.2	61.9	44.9	-3.2	61.9	-44.9	-3.2	61.9	44.9	-3.2	61.9	-44.9	1.5	111.7	87.4	1.5	111.7	-87.4	1.5	111.7	87.4	1.5	111.7	-87.4
LC44 F11 MAX. LONG WIND VS MIN. ANGLE 90 NA-	-20	0.8	0	0	-7452	0	0	-4.8	85.6	0	-3.2	43.8	60.8	-3.2	43.8	-60.8	-3.2	43.8	60.8	-3.2	43.8	-60.8	1.5	84.4	108.7	1.5	84.4	-108.7	1.5	84.4	108.7	1.5	84.4	-108.7
LC45 F11 45° OBLIQUE WIND VS MIN. ANGLE 90 BI+	-20	0.8	1464	5270	5270	0	0	-4.8	82.3	-13.8	-3.2	21.7	21	-3.2	61.6	-44.9	-3.2	21.7	21	-3.2	61.6	-44.9	1.5	52.5	50.4	1.5	110.8	-87.4	1.5	52.5	50.4	1.5	110.8	-87.4
LC46 F11 45° OBLIQUE WIND VS MIN. ANGLE 90 BI-	-20	0.8	-1464	-5270	-5270	0	0	-4.8	72.1	-22.8	-3.2	20.2	21	-3.2	44.1	-60.8	-3.2	20.2	21	-3.2	44.1	-60.8	1.5	48.3	50.4	1.5	85.3	-108.7	1.5	48.3	50.4	1.5	85.3	-108.7
LC47 F2 MAX. ICE VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC48 F11 WIND + ICE VS MIN. ANGLE 90 NA+	-5	0.8	970	1940	0	60	4905	-27.2	222.8	0	-16.9	109.5	78.8	-16.9	109.5	-78.8	-16.9	109.5	78.8	-16.9	109.5	-78.8	-14.7	160.2	127.7	-14.7	160.2	-127.7	-14.7	160.2	127.7	-14.7	160.2	-127.7
LC49 F11 WIND + ICE VS MIN. ANGLE 90 NA-	-5	0.8	-970	-1940	0	60	4905	-27.2	164.3	0	-16.9	78.3	109	-16.9	78.3	-109	-16.9	78.3	109	-16.9	78.3	-109	-14.7	126.4	158.8	-14.7	126.4	-158.8	-14.7	126.4	158.8	-14.7	126.4	-158.8
LC50 F11 MAINTENANCE VS MIN. ANGLE 90	-30	0.5	45	162	0	0	0	-0.8	73.5	0	-1.2	23.8	23.5	-1.2	23.8	-23.5	-1.2	23.8	23.5	-1.2	23.8	-23.5	3.5	67.5	67	3.5	67.5	-67	3.5	67.5	67	3.5	67.5	-67
LC51 F1 BR G VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.2	13.1	-13.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	0.6	52.7	-52.7	0.6	52.7	52.7	0.6	52.7	-52.7
LC52 F1 BR P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	26.1	0	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	9.3	0	0	0.6	52.7	-52.7	0.6	52.7	52.7	0.6	52.7	-52.7
LC53 F1 BR P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	26.1	0	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	0.6	52.7	-52.7	9.3	0	0	0.6	52.7	-52.7
LC54 F1 BR G + P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	0.6	52.7	-52.7
LC55 F1 BR G + P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	0.6	52.7	-52.7	0.6	52.7	52.7	9.3	0	0
LC56 F1 BR P1 + P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	26.1	0	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	9.3	0	0
LC57 F1 BR P1 + E1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	26.1	0	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	1.9	0	0	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	0.6	52.7	-52.7
LC58 F1 BR G + E1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	1.9	0	0	0.6	52.7	52.7	0.6	52.7	-52.7	0.6	52.7	52.7	0.6	52.7	-52.7
LC59 F1 BR G + E2 + E1 + P2 + P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	1.9	0	0	-1.6	25.1	25.1	1.9	0	0	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	9.3	0	0
LC60 F11 BR G D + E2 + E1 + P2 + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-2.4	63.6	63.6	-3.2	19.5	19.5	1.3	0	0	-3.2	19.5	19.5	1.3	0	0	1.5	44.7	44.7	9.9	0	0	1.5	44.7	44.7	9.9	0	0
LC61 F1 BR G + E2 D + E1 + P2 + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.2	13.1	13.1	-1.6	62.7	62.7	1.9	0	0	-1.6	25.1	25.1	1.9	0	0	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	9.3	0	0
LC62 F1 BR G + E2 + E1 D + P2 + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	1.9	0	0	-1.6	62.7	62.7	1.9	0	0	0.6	52.7	52.7	9.3	0	0	0.6	52.7	52.7	9.3	0	0
LC63 F1 BR G + E2 + E1 + P2 D + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	1.9	0	0	-1.6	25.1	25.1	1.9	0	0	0.6	52.7	52.7	9.3	0	0	0.6	131.8	131.8	9.3	0	0
LC64 F1 BR G + E2 + E1 + P2 + P1 D VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.2	13.1	13.1	-1.6	25.1	25.1	1.9	0	0	-1.6	25.1	25.1	1.9	0	0	0.6	131.8	131.8	9.3	0	0	0.6	52.7	52.7	9.3	0	0
LC65 F2 UBL G VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-53.4	164.8	111.7	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC66 F2 UBL E1 VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-3.2	12.9	-12.9	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC67 F2 UBL P1 VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	1.8	43.7	-43.7	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC68 F2 UBL G + P1 VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-53.4	164.8	111.7	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	1.8	43.7	-43.7	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC69 F2 UBL G + E1 + P1 VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-53.4	164.8	111.7	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-3.2	12.9	-12.9	-58.1	193.6	193.6	1.8	43.7	-43.7	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC70 F2 UBL G + E1 + E2 + P1 + P2 VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-53.4	164.8	111.7	-57.5	121.6	121.6	-3.2	12.9	-12.9	-57.5	121.6	121.6	-3.2	12.9	-12.9	-58.1	193.6	193.6	1.8	43.7	-43.7	-58.1	193.6	193.6	1.8	43.7	-43.7
LC71 F2 EXTREME UBL G VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-51	138.3	138.3	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6

LC72 F2 EXTREME UBL P1 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	10.2	0	0	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC73 F2 EXTREME UBL P2 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	10.2	0	0
LC74 F2 EXTREME UBL E2 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	1.3	0	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC75 F2 EXTREME UBL E1 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	276.5	0	-57.5	121.6	121.6	-57.5	121.6	-121.6	-57.5	121.6	121.6	1.3	0	0	-58.1	193.6	193.6	-58.1	193.6	-193.6	-58.1	193.6	193.6	-58.1	193.6	-193.6
LC76 F1 EDT VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	26.1	0	-1.6	25.1	25.1	-1.6	25.1	-25.1	-1.6	25.1	25.1	-1.6	25.1	-25.1	0.6	52.7	52.7	0.6	52.7	-52.7	0.6	52.7	52.7	0.6	52.7	-52.7
LC77 F11 COLD VS MIN. ANGLE 90	-30	0.8	0	0	0	0	0	-4.8	73.2	0	-3.2	23.6	23.6	-3.2	23.6	-23.6	-3.2	23.6	23.6	-3.2	23.6	-23.6	1.5	67.2	67.2	1.5	67.2	-67.2	1.5	67.2	67.2	1.5	67.2	-67.2
LC78 F11 MAX. TRANS WIND DE 45 NA+	-20	0.8	2070	7452	0	0	0	2.9	32.1	59.9	6.5	39.2	62.6	0	0	0	6.5	39.2	62.6	0	0	0	19.6	69.9	122.3	0	0	0	19.6	69.9	122.3	0	0	0
LC79 F11 MAX. TRANS WIND DE 45 NA-	-20	0.8	-2070	-7452	0	0	0	2.9	19.5	64.8	6.5	16.2	71.2	0	0	0	6.5	16.2	71.2	0	0	0	19.6	36.2	133.9	0	0	0	19.6	36.2	133.9	0	0	0
LC80 F11 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	7452	0	0	2.9	32.1	59.9	6.5	39.2	62.6	0	0	0	6.5	39.2	62.6	0	0	0	19.6	69.9	122.3	0	0	0	19.6	69.9	122.3	0	0	0
LC81 F11 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-7452	0	0	2.9	19.5	64.8	6.5	16.2	71.2	0	0	0	6.5	16.2	71.2	0	0	0	19.6	36.2	133.9	0	0	0	19.6	36.2	133.9	0	0	0
LC82 F3 45° OBLIQUE WIND DE 45 BI+	-20	0.8	912	3284	3284	0	0	2	8.8	19.1	7.5	16.7	35.4	0	0	0	7.5	16.7	35.4	0	0	0	23.2	33.9	73.1	0	0	0	23.2	33.9	73.1	0	0	0
LC83 F3 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	2	7.2	19.5	7.5	13.1	36.5	0	0	0	7.5	13.1	36.5	0	0	0	23.2	27.4	74.8	0	0	0	23.2	27.4	74.8	0	0	0
LC84 F2 MAX. ICE DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC85 F11 WIND + ICE DE 45 NA+	-5	0.8	970	1940	0	60	4905	15.9	71.4	118.6	22.6	70.1	112.3	0	0	0	22.6	70.1	112.3	0	0	0	38.5	99.2	178.7	0	0	0	38.5	99.2	178.7	0	0	0
LC86 F11 WIND + ICE DE 45 NA-	-5	0.8	-970	-1940	0	60	4905	15.9	33.3	134.2	22.6	29.7	128.7	0	0	0	22.6	29.7	128.7	0	0	0	38.5	55.8	195.5	0	0	0	38.5	55.8	195.5	0	0	0
LC87 F11 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	4.9	19.9	47.7	8.5	12.3	29	0	0	0	8.5	12.3	29	0	0	0	21.6	36.7	87.6	0	0	0	21.6	36.7	87.6	0	0	0
LC88 F3 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	23.2	28.2	68	0	0	0
LC89 F3 BR P1 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC90 F3 BR P2 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	9.3	0	0	0	0	0
LC91 F3 BR G + P1 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC92 F3 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	9.3	0	0	0	0	0
LC93 F11 BR P1 + P2 DE 45	0	0.8	0	0	0	0	0	2.9	13.7	33.2	6.5	10.1	24.4	0	0	0	6.5	10.1	24.4	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC94 F3 BR P1 + E1 DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	23.2	28.2	68	0	0	0
LC95 F3 BR G + E1 DE 45	0	0.8	0	0	0	0	0	0	0	0	7.5	13.3	32.1	0	0	0	1.9	0	0	0	0	0	23.2	28.2	68	0	0	0	23.2	28.2	68	0	0	0
LC96 F2 UBL G DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC97 F2 UBL E1 DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	5.4	7.2	17.3	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC98 F2 UBL P1 DE 45	-5	0.8	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC99 F2 UBL G + E1 DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC100 F2 UBL G + E1 + P1 DE 45	-5	0.8	0	0	0	135	4905	2.3	14.3	34.6	55.5	66.4	160.4	0	0	0	5.4	7.2	17.3	0	0	0	17.8	23.7	57.1	0	0	0	72.9	104.8	252.9	0	0	0
LC101 F2 EXTREME UBL G DE 45	-5	1	0	0	0	135	4905	0	0	0	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC102 F2 EXTREME UBL P1 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	10.2	0	0	0	0	0	72.9	104.8	252.9	0	0	0
LC103 F2 EXTREME UBL P2 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	10.2	0	0	0	0	0
LC104 F2 EXTREME UBL E2 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	1.3	0	0	0	0	0	55.5	66.4	160.4	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC105 F2 EXTREME UBL E1 DE 45	-5	1	0	0	0	135	4905	46.9	74.8	180.6	55.5	66.4	160.4	0	0	0	1.3	0	0	0	0	0	72.9	104.8	252.9	0	0	0	72.9	104.8	252.9	0	0	0
LC106 F3 EDT DE 45	0	0.8	0	0	0	0	0	2	7	17	7.5	13.3	32.1	0	0	0	7.5	13.3	32.1	0	0	0	23.2	28.2	68	0	0	0	23.2	28.2	68	0	0	0
LC107 F11 COLD DE 45	-30	0.8	0	0	0	0	0	2.9	19.8	47.7	6.5	12	29.1	0	0	0	6.5	12	29.1	0	0	0	19.6	36.3	87.7	0	0	0	19.6	36.3	87.7	0	0	0
LC108 F11 MAX. TRANS WIND VS MIN. DE 45 NA+	-20	0.8	2070	7452	0	0	0	-1.8	32.1	59.9	-2	41.3	67.7	0	0	0	-2	41.3	67.7	0	0	0	3.7	70	122.5	0	0	0	3.7	70	122.5	0	0	0
LC109 F11 MAX. TRANS WIND VS MIN. DE 45 NA-	-20	0.8	-2070	-7452	0	0	0	-1.8	19.5	64.8	-2	18.4	76.3	0	0	0	-2	18.4	76.3	0	0	0	3.7	36.2	134	0	0	0	3.7	36.2	134	0	0	0
LC110 F11 MAX. LONG WIND VS MIN. DE 45 NA+	-20	0.8	0	0	7452	0	0	-1.8	32.1	59.9	-2	41.3	67.7	0	0	0	-2	41.3	67.7	0	0	0	3.7	70	122.5	0	0	0	3.7	70	122.5	0	0	0
LC111 F11 MAX. LONG WIND VS MIN. DE 45 NA-	-20	0.8	0	0	-7452	0	0	-1.8	19.5	64.8	-2	18.4	76.3	0	0	0	-2	18.4	76.3	0	0	0	3.7	36.2	134	0	0	0	3.7	36.2	134	0	0	0
LC112 F3 45° OBLIQUE WIND VS MIN. DE 45 BI+	-20	0.8	912	3284	3284	0	0	-1	8.8	19.1	-0.9	16.9	35.9	0	0	0	-0.9	16.9	35.9	0	0	0	2.3	34	73.5	0	0	0	2.3	34	73.5	0	0	0
LC113 F3 45° OBLIQUE WIND VS MIN. DE 45 BI-	-20	0.8	-912	-3284	-3284	0	0	-1	7.3	19.6	-0.9	13.3	37	0	0	0	-0.9	13.3	37	0	0	0	2.3	27.6	75.2	0	0	0	2.3	27.6	75.2	0	0	0
LC114 F2 MAX. ICE VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC115 F11 WIND+ICE VS MIN. DE 45 NA+	-5	0.8	970	1940	0	60	4905	-10	71.5	118.7	-12.1	72.2	117.4	0	0	0	-12.1	72.2	117.4	0	0	0	-8.1	99.3	178.9	0	0	0	-8.1	99.3	178.9	0	0	0
LC116 F11 WIND+ICE VS MIN. DE 45 NA-	-5	0.8	-970	-1940	0	60	4905	-10	33.3	134.3	-12.1	31.8	133.7	0	0	0	-12.1	31.8	133.7	0	0	0	-8.1	55.9	195.7	0	0	0	-8.1	55.9	195.7	0	0	0
LC117 F11 MAINTENANCE VS MIN. DE 45	-30	0.5	45	162	0	0	0	0.2	20	47.9	0	14.1	33.3	0	0	0	0	14.1	33.3	0	0	0	5.7	36.8	87.8	0	0	0	5.7	36.8	87.8	0	0	0
LC118 F1 BR G VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC119 F1 BR P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC120 F1 BR P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	9.3	0	0	0	0	0
LC121 F1 BR G + P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC122 F1 BR G + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	9.3	0	0	0	0	0
LC123 F11 BR P1 + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-1.8	13.8	33.3	-2	11.1	26.8	0	0	0	-2	11.1	26.8	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC124 F1 BR P1 + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	2.5	28.6	68.9	0	0	0
LC125 F1 BR G + E1 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	-0.8	13.6	32.8	0	0	0	1.9	0	0	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC126 F2 UBL G VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC127 F2 UBL E1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-1.7	7.6	18.5	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC128 F2 UBL P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC129 F2 UBL G + P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC130 F2 UBL G + E1 + P1 VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-1.6	14.4	34.7	-37.9	67.9	164	0	0	0	-1.7	7.6	18.5	0	0	0	4.6	23.7	57.2	0	0	0	-35.3	104.8	253	0	0	0
LC131 F2 EXTREME UBL G VS MIN. DE 45	-5	1	0	0	0	135	4905	0	0	0	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC132 F2 EXTREME UBL P1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	10.2	0	0	0	0	0	-35.3	104.8	253	0	0	0
LC133 F2 EXTREME UBL P2 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	10.2	0	0	0	0	0
LC134 F2 EXTREME UBL E2 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	1.3	0	0	0	0	0	-37.9	67.9	164	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC135 F2 EXTREME UBL E1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-34	74.8	180.7	-37.9	67.9	164	0	0	0	1.3	0	0	0	0	0	-35.3	104.8	253	0	0	0	-35.3	104.8	253	0	0	0
LC136 F1 EDT VS MIN. DE 45	0	0.8	0	0	0	0	0	-0.9	7.1	17.1	-0.8	13.6	32.8	0	0	0	-0.8	13.6	32.8	0	0	0	2.5	28.6	68.9	0	0	0	2.5	28.6	68.9	0	0	0
LC137 F11 COLD VS MIN. DE 45	-30	0.8	0	0	0	0	0	-1.8	19.8	47.9	-2	13.8	33.4	0	0	0	-2	13.8	33.4	0	0	0	3.7	36.4	87.9	0	0	0	3.7	36.4	87.9	0	0	0
LC138 F11 MAX. TRANS WIND DE 90 NA+	-20	0.8	2070	7452	0	0	0	2.9	52.6	43.2	6.5	60.2	43.2	0	0	0	6.5	60.2	43.2	0	0	0	19.6	111.7	87.4	0	0	0	19.6	111.7	87.4	0	0	0
LC139 F11 MAX. TRANS WIND DE 90 NA-	-20	0.8	-2070	-7452	0	0	0	2.9	42.8	52.2	6.5	42.1	59.1	0	0	0	6.5	42.1	59.1	0	0	0	19.6	84.4	108.7	0	0	0	19.6	84.4	108.7	0	0	0
LC140 F11 MAX. LONG WIND DE 90 NA+	-20	0.8	0	0	7452	0	0	2.9	52.6	43.2	6.5	60.2	43.2	0	0	0	6.5	60.2	43.2	0	0	0	19.6	111.7	87.4	0	0	0	19.6	111.7	87.4	0	0	0
LC141 F11 MAX. LONG WIND DE 90 NA-	-20	0.8	0	0	-7452	0	0	2.9	42.8	52.2	6.5	42.1	59.1	0	0	0	6.5	42.1	59.1	0	0	0	19.6	84.4	108.7	0	0	0	19.6	84.4	108.7	0	0	0
LC142 F3 45° OBLIQUE WIND DE 90 BI+	-20	0.8	912	3284	3284	0	0	2	14.4	14.3	7.5	27.2	26.6	0	0	0	7.5	27.2	26.6	0	0	0	23.2	56.9	55.7	0	0	0	23.2	56.9	55.7	0	0	0
LC143 F3 45° OBLIQUE WIND DE 90 BI-	-20	0.8	-912	-3284	-3284	0	0	2	14.1	14.3	7.5	26.1	26.6	0	0	0	7.5	26.1	26.6	0	0	0	23.2	54.5	55.7	0	0	0	23.2	54.5	55.7	0	0	0
LC144 F2 MAX. ICE DE 90	-5	0.8	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC145 F11 WIND+ICE DE 90 NA+	-5	0.8	970	1940	0	60	4905	15.9	111.4	82.3	22.6	107.8	77.1	0	0	0	22.6	107.8	77.1	0	0	0	38.5	160.1	127.7	0	0	0	38.5	160.1	127.7	0	0	0
LC146 F11 WIND+ICE DE 90 NA-	-5	0.8	-970	-1940	0	60	4905	15.9	82.1	111.2	22.6	76.6	107.3	0	0	0	22.6	76.6	107.3	0	0	0	38.5	126.3	158.8	0	0	0	38.5	126.3	158.8	0	0	0
LC147 F11 MAINTENANCE DE 90	-30	0.5	45	162	0	0	0	4.9	36.7	36.5	8.5	22.5	22.1	0	0	0	8.5	22.5	22.1	0	0	0	21.6	67.4	66.9	0	0	0	21.6	67.4	66.9	0	0	0
LC148 F3 BR G DE 90	0	0.8	0	0	0	0	0	0	0	0	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	23.2	52.1	52.1	0	0	0	23.2	52.1	52.1	0	0	0
LC149 F3 BR P1 DE 90	0	0.8	0	0	0	0	0	2	13	13	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	9.3	0	0	0	0	0	23.2	52.1	52.1	0	0	0
LC150 F3 BR P2 DE 90	0	0.8	0	0	0	0	0	2	13	13	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	23.2	52.1	52.1	0	0	0	9.3	0	0	0	0	0

LC151 F3 BR G + P1 DE 90	0	0.8	0	0	0	0	0	0	0	0	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	9.3	0	0	0	0	0	23.2	52.1	52.1	0	0	0
LC152 F3 BR G + P2 DE 90	0	0.8	0	0	0	0	0	0	0	0	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	23.2	52.1	52.1	0	0	0	9.3	0	0	0	0	0
LC153 F11 BR P1 + P2 DE 90	0	0.8	0	0	0	0	0	2.9	25.4	25.4	6.5	18.7	18.7	0	0	0	6.5	18.7	18.7	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC154 F3 BR P1 + E1 DE 90	0	0.8	0	0	0	0	0	2	13	13	7.5	24.6	24.6	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	23.2	52.1	52.1	0	0	0
LC155 F3 BR G + E1 DE 90	0	0.8	0	0	0	0	0	0	0	0	7.5	24.6	24.6	0	0	0	1.9	0	0	0	0	0	23.2	52.1	52.1	0	0	0	23.2	52.1	52.1	0	0	0
LC156 F2 UBL G DE 90	-5	0.8	0	0	0	135	4905	2.3	26.5	26.5	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC157 F2 UBL E1 DE 90	-5	0.8	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	5.4	13.2	13.2	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC158 F2 UBL P1 DE 90	-5	0.8	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	17.8	43.7	43.7	0	0	0	72.9	193.6	193.6	0	0	0
LC159 F2 UBL G + P1 DE 90	-5	0.8	0	0	0	135	4905	2.3	26.5	26.5	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	17.8	43.7	43.7	0	0	0	72.9	193.6	193.6	0	0	0
LC160 F2 UBL G + E1 + P1 DE 90	-5	0.8	0	0	0	135	4905	2.3	26.5	26.5	55.5	122.7	122.7	0	0	0	5.4	13.2	13.2	0	0	0	17.8	43.7	43.7	0	0	0	72.9	193.6	193.6	0	0	0
LC161 F2 EXTREME UBL G DE 90	-5	1	0	0	0	135	4905	0	0	0	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC162 F2 EXTREME UBL P1 DE 90	-5	1	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	10.2	0	0	0	0	0	72.9	193.6	193.6	0	0	0
LC163 F2 EXTREME UBL P2 DE 90	-5	1	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	55.5	122.7	122.7	0	0	0	72.9	193.6	193.6	0	0	0	10.2	0	0	0	0	0
LC164 F2 EXTREME UBL E2 DE 90	-5	1	0	0	0	135	4905	46.9	138.3	138.3	1.3	0	0	0	0	0	55.5	122.7	122.7	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC165 F2 EXTREME UBL E1 DE 90	-5	1	0	0	0	135	4905	46.9	138.3	138.3	55.5	122.7	122.7	0	0	0	1.3	0	0	0	0	0	72.9	193.6	193.6	0	0	0	72.9	193.6	193.6	0	0	0
LC166 F3 EDT DE 90	0	0.8	0	0	0	0	0	2	13	13	7.5	24.6	24.6	0	0	0	7.5	24.6	24.6	0	0	0	23.2	52.1	52.1	0	0	0	23.2	52.1	52.1	0	0	0
LC167 F11 COLD DE 90	-30	0.8	0	0	0	0	0	2.9	36.5	36.5	6.5	22.3	22.3	0	0	0	6.5	22.3	22.3	0	0	0	19.6	67.1	67.1	0	0	0	19.6	67.1	67.1	0	0	0
LC168 F11 MAX. TRANS WIND VS MIN. DE 90 NA+	-20	0.8	2070	7452	0	0	0	-1.8	52.7	43.2	-2	64.1	47.1	0	0	0	-2	64.1	47.1	0	0	0	3.7	111.8	87.5	0	0	0	3.7	111.8	87.5	0	0	0
LC169 F11 MAX. TRANS WIND VS MIN. DE 90 NA-	-20	0.8	-2070	-7452	0	0	0	-1.8	42.8	52.3	-2	46.1	63	0	0	0	-2	46.1	63	0	0	0	3.7	84.5	108.8	0	0	0	3.7	84.5	108.8	0	0	0
LC170 F11 MAX. LONG WIND VS MIN. DE 90 NA+	-20	0.8	0	0	7452	0	0	-1.8	52.7	43.2	-2	64.1	47.1	0	0	0	-2	64.1	47.1	0	0	0	3.7	111.8	87.5	0	0	0	3.7	111.8	87.5	0	0	0
LC171 F11 MAX. LONG WIND VS MIN. DE 90 NA-	-20	0.8	0	0	-7452	0	0	-1.8	42.8	52.3	-2	46.1	63	0	0	0	-2	46.1	63	0	0	0	3.7	84.5	108.8	0	0	0	3.7	84.5	108.8	0	0	0
LC172 F1 45° OBLIQUE WIND VS MIN. DE 90 BI+	-20	0.8	693	2495	2495	0	0	-0.9	14.4	14.3	-0.8	27.6	27.2	0	0	0	-0.8	27.6	27.2	0	0	0	2.5	57.3	56.3	0	0	0	2.5	57.3	56.3	0	0	0
LC173 F1 45° OBLIQUE WIND VS MIN. DE 90 BI-	-20	0.8	-693	-2495	-2495	0	0	-0.9	14.2	14.3	-0.8	26.8	27.2	0	0	0	-0.8	26.8	27.2	0	0	0	2.5	55.4	56.3	0	0	0	2.5	55.4	56.3	0	0	0
LC174 F2 MAX. ICE VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC175 F11 WIND + ICE VS MIN. DE 90 NA+	-5	0.8	970	1940	0	60	4905	-10	111.5	82.4	-12.1	111.7	81	0	0	0	-12.1	111.7	81	0	0	0	-8.1	160.3	127.8	0	0	0	-8.1	160.3	127.8	0	0	0
LC176 F11 WIND + ICE VS MIN. DE 90 NA-	-5	0.8	-970	-1940	0	60	4905	-10	82.2	111.3	-12.1	80.5	111.2	0	0	0	-12.1	80.5	111.2	0	0	0	-8.1	126.4	158.9	0	0	0	-8.1	126.4	158.9	0	0	0
LC177 F11 MAINTENANCE VS MIN. DE 90	-30	0.5	45	162	0	0	0	0.2	36.8	36.6	0	25.8	25.4	0	0	0	0	25.8	25.4	0	0	0	5.7	67.6	67.1	0	0	0	5.7	67.6	67.1	0	0	0
LC178 F1 BR G VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	2.5	52.8	52.8	0	0	0	2.5	52.8	52.8	0	0	0
LC179 F1 BR P1 VS MIN. DE 90	0	0.8	0	0	0	0	0	-0.9	13.1	13.1	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	9.3	0	0	0	0	0	2.5	52.8	52.8	0	0	0
LC180 F1 BR P2 VS MIN. DE 90	0	0.8	0	0	0	0	0	-0.9	13.1	13.1	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	2.5	52.8	52.8	0	0	0	9.3	0	0	0	0	0
LC181 F1 BR G + P1 VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	9.3	0	0	0	0	0	2.5	52.8	52.8	0	0	0
LC182 F1 BR G + P2 VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	2.5	52.8	52.8	0	0	0	9.3	0	0	0	0	0
LC183 F11 BR P1 + P2 VS MIN. DE 90	0	0.8	0	0	0	0	0	-1.8	25.5	25.5	-2	20.5	20.5	0	0	0	-2	20.5	20.5	0	0	0	9.9	0	0	0	0	0	9.9	0	0	0	0	0
LC184 F1 BR P1 + E1 VS MIN. DE 90	0	0.8	0	0	0	0	0	-0.9	13.1	13.1	-0.8	25.1	25.1	0	0	0	1.9	0	0	0	0	0	9.3	0	0	0	0	0	2.5	52.8	52.8	0	0	0
LC185 F1 BR G + E1 VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	-0.8	25.1	25.1	0	0	0	1.9	0	0	0	0	0	2.5	52.8	52.8	0	0	0	2.5	52.8	52.8	0	0	0
LC186 F2 UBL G VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-1.6	26.5	26.5	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC187 F2 UBL E1 VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	-1.7	14.1	14.1	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC188 F2 UBL P1 VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	4.6	43.7	43.7	0	0	0	-35.3	193.6	193.6	0	0	0
LC189 F2 UBL G + P1 VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-1.6	26.5	26.5	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	4.6	43.7	43.7	0	0	0	-35.3	193.6	193.6	0	0	0
LC190 F2 UBL G + E1 + P1 VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-1.6	26.5	26.5	-37.9	125.5	125.5	0	0	0	-1.7	14.1	14.1	0	0	0	4.6	43.7	43.7	0	0	0	-35.3	193.6	193.6	0	0	0
LC191 F2 EXTREME UBL G VS MIN. DE 90	-5	1	0	0	0	135	4905	0	0	0	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC192 F2 EXTREME UBL P1 VS MIN. DE 90	-5	1	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	10.2	0	0	0	0	0	-35.3	193.6	193.6	0	0	0
LC193 F2 EXTREME UBL P2 VS MIN. DE 90	-5	1	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	-37.9	125.5	125.5	0	0	0	-35.3	193.6	193.6	0	0	0	10.2	0	0	0	0	0
LC194 F2 EXTREME UBL E2 VS MIN. DE 90	-5	1	0	0	0	135	4905	-34	138.3	138.3	1.3	0	0	0	0	0	-37.9	125.5	125.5	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC195 F2 EXTREME UBL E1 VS MIN. DE 90	-5	1	0	0	0	135	4905	-34	138.3	138.3	-37.9	125.5	125.5	0	0	0	1.3	0	0	0	0	0	-35.3	193.6	193.6	0	0	0	-35.3	193.6	193.6	0	0	0
LC196 F1 EDT VS MIN. DE 90	0	0.8	0	0	0	0	0	-0.9	13.1	13.1	-0.8	25.1	25.1	0	0	0	-0.8	25.1	25.1	0	0	0	2.5	52.8	52.8	0	0	0	2.5	52.8	52.8	0	0	0
LC197 F11 COLD VS MIN. DE 90	-30	0.8	0	0	0	0	0	-1.8	36.6	36.6	-2	25.6	25.6	0	0	0	-2	25.6	25.6	0	0	0	3.7	67.3	67.3	0	0	0	3.7	67.3	67.3	0	0	0
LC198 F9 MAX. TRANS WIND ANGLE 90 NA+	-20	0.8	3460	12456	0	0	0	7.5	145.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	169	125.6	22.7	169	-125.6	22.7	169	125.6	22.7	169	-125.6
LC199 F9 MAX. TRANS WIND ANGLE 90 NA-	-20	0.8	-3460	-12456	0	0	0	7.5	110.4	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	120.6	164	22.7	120.6	-164	22.7	120.6	164	22.7	120.6	-164
LC200 F9 MAX. LONG WIND ANGLE 90 NA+	-20	0.8	0	0	12456	0	0	7.5	145.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	169	125.6	22.7	169	-125.6	22.7	169	125.6	22.7	169	-125.6
LC201 F9 MAX. LONG WIND ANGLE 90 NA-	-20	0.8	0	0	-12456	0	0	7.5	110.4	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	120.6	164	22.7	120.6	-164	22.7	120.6	164	22.7	120.6	-164
LC202 F9 45° OBLIQUE WIND ANGLE 90 BI+	-20	0.8	2447	8809	8809	0	0	7.5	102.2	-26.9	0	0	0	0	0	0	0	0	0	0	0	0	22.7	58.5	55	22.7	167.5	-125.6	22.7	58.5	55	22.7	167.5	-125.6
LC203 F9 45° OBLIQUE WIND ANGLE 90 BI-	-20	0.8	-2447	-8809	-8809	0	0	7.5	83.9	-43.1	0	0	0	0	0	0	0	0	0	0	0	0	22.7	51.5	55	22.7	122.1	-164	22.7	51.5	55	22.7	122.1	-164
LC204 F6 MAX. ICE ANGLE 90	-5	0.8	0	0	0	135	4905	142.8	297.3	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	105.7	190.8	-190.8	105.7	190.8	190.8	105.7	190.8	-190.8
LC205 F9 WIND + ICE ANGLE 90	-5	0.8	1580	3160	0	60	4905	41.8	304.7	0	0	0	0	0	0	0	0	0	0	0	0	0	47.5	211.6	154.8	47.5	211.6	-154.8	47.5	211.6	154.8	47.5	211.6	-154.8
LC206 F6 WIND + ICE ANGLE 90 NA+	-5	0.8	1580	3160	0	70	4905	47.9	317.5	0	0	0	0	0	0	0	0	0	0	0	0	0	50.6	197.1	138.4	50.6	197.1	-138.4	50.6	197.1	138.4	50.6	197.1	-138.4
LC207 F9 WIND + ICE ANGLE 90 NA-	-5	0.8	-1580	-3160	0	60	4905	41.8	202	0	0	0	0	0	0	0	0	0	0	0	0	0	47.5	152.5	209.3	47.5	152.5	-209.3	47.5	152.5	209.3	47.5	152.5	-209.3
LC208 F9 MAINTENANCE ANGLE 90	-30	0.5	45	162	0	0	0	11.5	71.6	0	0	0	0	0	0	0	0	0	0	0	0	0	24.7	74.5	74	24.7	74.5	-74	24.7	74.5	74	24.7	74.5	-74
LC209 F9 BR G ANGLE 90	0	0.8	0	0	0	0	0	3.8	25.4	-25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	22.7	48.9	-48.9	22.7	48.9	48.9	22.7	48.9	-48.9
LC210 F9 BR P1 ANGLE 90	0	0.8	0	0	0	0	0	7.5	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	22.7	48.9	-48.9	22.7	48.9	48.9	22.7	48.9	-48.9
LC211 F9 BR P2 ANGLE 90	0	0.8	0	0	0	0	0	7.5	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	22.7	48.9	-48.9	9.9	0	0	22.7	48.9	-48.9
LC212 F9 BR G + P1 ANGLE 90	0	0.8	0	0	0	0	0	3.8	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	9.9	0	0	22.7	48.9	48.9	22.7	48.9	-48.9
LC213 F9 BR G + P2 ANGLE 90	0	0.8	0	0	0	0	0	3.8	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	22.7	48.9	-48.9	22.7	48.9	48.9	9.9	0	0
LC214 F9 BR P1 + P2 ANGLE 90	0	0.8	0	0	0	0	0	7.5	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	9.9	0	0	22.7	48.9	48.9	9.9	0	0
LC215 F9 BR G + P2 + P1 ANGLE 90	0	0.8	0	0	0	0	0	3.8	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	9.9	0	0	22.7	48.9	48.9	9.9	0	0
LC216 F9 BR G D + P2 + P1 ANGLE 90	0	1	0	0	0	0	0	3.8	63.4	63.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	9.9	0	0	22.7	48.9	48.9	9.9	0	0
LC217 F9 BR G + P2 D + P1 ANGLE 90	0	1	0	0	0	0	0	3.8	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	9.9	0	0	22.7	122.3	122.3	9.9	0	0
LC218 F9 BR G + P2 + P1 D ANGLE 90	0	1	0	0	0	0	0	3.8	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	22.7	122.3	122.3	9.9	0	0	22.7	48.9	48.9	9.9	0	0
LC219 F6 UBL G ANGLE 90	-5	0.8	0	0	0	135	4905	74.8	173.7	123.6	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	105.7	190.8	-190.8	105.7	190.8	190.8	105.7	190.8	-190.8
LC220 F6 UBL P1 ANGLE 90	-5	0.8	0	0	0	135	4905	142.8	297.3	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	21.9	34.7	-34.7	105.7	190.8	190.8	105.7	190.8	-190.8
LC221 F8 UBL P1 ANGLE 90	-5	0.8	0	0	0	75	8825	129	282.5	0	0	0	0	0	0	0	0	0	0	0	0	0	113.4	189.9	189.9	31.1	41.7	-41.7	113.4	189.9	189.9	113.4	189.9	-189.9
LC222 F9 UBL G + P1 ANGLE 90	-5	0.8	0	0	0	115	4905	62.8	158.1	105.7	0	0	0	0	0	0	0	0	0	0	0	0	92.8	192.3	192.3	22.7	50.3	-50.3	92.8	192.3	192.3	92.8	192.3	-192.3
LC223 F9 UBL G + P1 + P2 ANGLE 90	-5	0.8	0	0	0	115	4905	62.8	158.1	105.7	0	0	0	0	0	0	0	0	0	0	0	0	92.8	192.3	192.3	22.7	50.3	-50.3	92.8	192.3	192.3	22.7	50.3	-50.3
LC224 F6 EXTREME UBL G ANGLE 90	-5	1	0	0	0	135	4905	71.4	148.7	148.7	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	105.7	190.8	-190.8	105.7	190.8	190.8	105.7	190.8	-190.8
LC225 F6 EXTREME UBL P1 ANGLE 90	-5	1	0	0	0	135	4905	142.8	297.3	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	10.2	0	0	105.7	190.8	190.8	105.7	190.8	-190.8
LC226 F6 EXTREME UBL P2 ANGLE 90	-5	1	0	0	0	135	4905	142.8	297.3	0	0	0	0	0	0	0	0	0	0	0	0	0	105.7	190.8	190.8	105.7	190.8	-190.8	105.7	190.8	190.8	10.2	0	0
LC227 F9 EDT ANGLE 90	0	0.8	0	0	0	0	0	7.5	50.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	48.9	48.9	22.7	48.9	-48.9	22.7	48.9	48.9	22.7	48.9	-48.9
LC228 F9 COLD ANGLE 90	-15	0.8	0	0	0	0	0	7.5	64.7	0	0	0	0	0	0	0	0	0	0	0	0	0	22.7	66.8	66.8	22.7	66.8	-66.8	22.7	66.8	66.8	22.7	66.8	-66.8
LC229 F9 MAX. TRANS WIND VS MIN. ANGLE 90 NA+	-20	0.8	3460	12456	0	0	0	-4.8	145.8	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	169.2	125.8	1.5	169.2	-125.8	1.5	169.2	125.8	1.5	169.2	-125.8

LC230 F9 MAX. TRANS WIND VS MIN. ANGLE 90 NA-	-20	0.8	-3460	-12456	0	0	0	-4.8	110.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	120.9	164.3	1.5	120.9	-164.3	1.5	120.9	164.3	1.5	120.9	-164.3
LC231 F9 MAX. LONG WIND VS MIN. ANGLE 90	-20	0.8	0	0	12456	0	0	-4.8	145.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	169.2	125.8	1.5	169.2	-125.8	1.5	169.2	125.8	1.5	169.2	-125.8
LC232 F9 MAX. LONG WIND VS MIN. ANGLE 90 NA-	-20	0.8	0	0	-12456	0	0	-4.8	110.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	120.9	164.3	1.5	120.9	-164.3	1.5	120.9	164.3	1.5	120.9	-164.3
LC233 F9 45° OBLIQUE WIND VS MIN. ANGLE 90 BI+	-20	0.8	2447	8809	8809	0	0	-4.8	102.3	-26.8	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	58.8	55.3	1.5	167.8	-125.8	1.5	58.8	55.3	1.5	167.8	-125.8
LC234 F9 45° OBLIQUE WIND VS MIN. ANGLE 90 BI-	-20	0.8	-2447	-8809	-8809	0	0	-4.8	84.1	-43.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	51.8	55.3	1.5	122.4	-164.3	1.5	51.8	55.3	1.5	122.4	-164.3
LC235 F6 MAX. ICE VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-101.9	299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	196.5	196.5	-58.1	196.5	-196.5	-58.1	196.5	196.5	-58.1	196.5	-196.5
LC236 F9 WIND + ICE VS MIN. ANGLE 90	-5	0.8	1580	3160	0	60	4905	-27.2	304.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.7	211.8	155	-14.7	211.8	-155	-14.7	211.8	155	-14.7	211.8	-155
LC237 F6 WIND + ICE VS MIN. ANGLE 90	-5	0.8	1580	3160	0	70	4905	-34.2	319.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-18.7	203.8	145.2	-18.7	203.8	-145.2	-18.7	203.8	145.2	-18.7	203.8	-145.2
LC238 F9 WIND + ICE VS MIN. ANGLE 90 NA-	-5	0.8	-1580	-3160	0	60	4905	-27.2	202.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-14.7	152.7	209.5	-14.7	152.7	-209.5	-14.7	152.7	209.5	-14.7	152.7	-209.5
LC239 F9 MAINTENANCE VS MIN. ANGLE 90	-30	0.5	45	162	0	0	0	-0.8	71.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	75	74.4	3.5	75	-74.4	3.5	75	74.4	3.5	75	-74.4
LC240 F10 BR G VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.5	13	-13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	53.4	53.4	3.2	53.4	-53.4	3.2	53.4	53.4	3.2	53.4	-53.4
LC241 F9 BR P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-4.8	50.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	1.5	49.1	-49.1	1.5	49.1	49.1	1.5	49.1	-49.1
LC242 F9 BR P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-4.8	50.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	49.1	49.1	1.5	49.1	-49.1	9.9	0	0	1.5	49.1	-49.1
LC243 F10 BR G + P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.5	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	53.4	53.4	14.4	0	0	3.2	53.4	53.4	3.2	53.4	-53.4
LC244 F10 BR G + P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-1.5	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	53.4	53.4	3.2	53.4	-53.4	3.2	53.4	53.4	14.4	0	0
LC245 F9 BR P1 + P2 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-4.8	50.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	49.1	49.1	9.9	0	0	1.5	49.1	49.1	9.9	0	0
LC246 F9 BR G + P2 + P1 VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-2.4	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	49.1	49.1	9.9	0	0	1.5	49.1	49.1	9.9	0	0
LC247 F9 BR G D + P2 + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-2.4	63.6	63.6	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	49.1	49.1	9.9	0	0	1.5	49.1	49.1	9.9	0	0
LC248 F10 BR G + P2 D + P1 VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.5	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	53.4	53.4	14.4	0	0	3.2	133.5	133.5	14.4	0	0
LC249 F10 BR G + P2 + P1 D VS MIN. ANGLE 90	0	1	0	0	0	0	0	-1.5	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	133.5	133.5	14.4	0	0	3.2	53.4	53.4	14.4	0	0
LC250 F8 UBL G VS MIN. ANGLE 90	-5	0.8	0	0	0	75	8825	-37	167.4	115.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	198.9	198.9	-38.4	198.9	-198.9	-38.4	198.9	198.9	-38.4	198.9	-198.9
LC251 F6 UBL G VS MIN. ANGLE 90	-5	0.8	0	0	0	135	4905	-53.4	175.9	123.1	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	196.5	196.5	-58.1	196.5	-196.5	-58.1	196.5	196.5	-58.1	196.5	-196.5
LC252 F8 UBL P1 VS MIN. ANGLE 90	-5	0.8	0	0	0	75	8825	-68.8	282.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	198.9	198.9	5.4	46.9	-46.9	-38.4	198.9	198.9	-38.4	198.9	-198.9
LC253 F8 UBL G + P1 VS MIN. ANGLE 90	-5	0.8	0	0	0	75	8825	-37	167.4	115.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	198.9	198.9	5.4	46.9	-46.9	-38.4	198.9	198.9	-38.4	198.9	-198.9
LC254 F8 UBL G + P1 + P2 VS MIN. ANGLE 90	-5	0.8	0	0	0	75	8825	-37	167.4	115.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	198.9	198.9	5.4	46.9	-46.9	-38.4	198.9	198.9	5.4	46.9	-46.9
LC255 F8 EXTREME UBL G VS MIN. ANGLE 90	-5	1	0	0	0	75	8825	-34.4	141.4	141.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-38.4	198.9	198.9	-38.4	198.9	-198.9	-38.4	198.9	198.9	-38.4	198.9	-198.9
LC256 F6 EXTREME UBL P1 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	196.5	196.5	10.2	0	0	-58.1	196.5	196.5	-58.1	196.5	-196.5
LC257 F6 EXTREME UBL P2 VS MIN. ANGLE 90	-5	1	0	0	0	135	4905	-101.9	299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-58.1	196.5	196.5	-58.1	196.5	-196.5	-58.1	196.5	196.5	10.2	0	0
LC258 F9 EDT VS MIN. ANGLE 90	0	0.8	0	0	0	0	0	-4.8	50.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	49.1	49.1	1.5	49.1	-49.1	1.5	49.1	49.1	1.5	49.1	-49.1
LC259 F9 COLD VS MIN. ANGLE 90	-15	0.8	0	0	0	0	0	-4.8	64.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	67.2	67.2	1.5	67.2	-67.2	1.5	67.2	67.2	1.5	67.2	-67.2
LC260 F9 MAX. TRANS WIND DE 45 NA+	-20	0.8	3460	12456	0	0	0	3.3	46	79.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108.5	178.9	0	0	0	21	108.5	178.9	0	0	0
LC261 F9 MAX. TRANS WIND DE 45 NA-	-20	0.8	-3460	-12456	0	0	0	3.3	23.3	88.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48.4	199.7	0	0	0	21	48.4	199.7	0	0	0
LC262 F9 MAX. LONG WIND DE 45 NA+	-20	0.8	0	0	12456	0	0	3.3	46	79.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108.5	178.9	0	0	0	21	108.5	178.9	0	0	0
LC263 F9 MAX. LONG WIND DE 45 NA-	-20	0.8	0	0	-12456	0	0	3.3	23.3	88.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48.4	199.7	0	0	0	21	48.4	199.7	0	0	0
LC264 F9 45° OBLIQUE WIND DE 45 BI+	-20	0.8	2447	8809	8809	0	0	3.3	19	40.4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	40	77.6	0	0	0	21	40	77.6	0	0	0
LC265 F9 45° OBLIQUE WIND DE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	3.3	15	41.7	0	0	0	0	0	0	0	0	0	0	0	0	0	21	25.6	80.7	0	0	0	21	25.6	80.7	0	0	0
LC266 F6 MAX. ICE DE 45	-5	0.8	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	105.2	254	0	0	0	89.8	105.2	254	0	0	0
LC267 F9 WIND + ICE DE 45 NA+	-5	0.8	1580	3160	0	60	4905	18.2	102	151.8	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	136.5	223.2	0	0	0	42.6	136.5	223.2	0	0	0
LC268 F9 WIND + ICE DE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	18.2	35.1	179.2	0	0	0	0	0	0	0	0	0	0	0	0	0	42.6	60.7	252.7	0	0	0	42.6	60.7	252.7	0	0	0
LC269 F9 MAINTENANCE DE 45	-30	0.5	45	162	0	0	0	5.3	19.5	46.7	0	0	0	0	0	0	0	0	0	0	0	0	0	23	40.6	97	0	0	0	23	40.6	97	0	0	0
LC270 F10 BR G DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	28.5	68.8	0	0	0	31.1	28.5	68.8	0	0	0
LC271 F9 BR P1 DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	21	26.5	64	0	0	0
LC272 F9 BR P2 DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	9.9	0	0	0	0	0
LC273 F10 BR G + P2 DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	28.5	68.8	0	0	0	14.4	0	0	0	0	0
LC274 F8 UBL G DE 45	-5	0.8	0	0	0	75	8825	3.9	14	33.9	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	105.2	254.1	0	0	0	93.6	105.2	254.1	0	0	0
LC275 F6 UBL G DE 45	-5	0.8	0	0	0	135	4905	2.9	14.3	34.4	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	105.2	254	0	0	0	89.8	105.2	254	0	0	0
LC276 F6 UBL P1 DE 45	-5	0.8	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	19.9	20	48.2	0	0	0	89.8	105.2	254	0	0	0
LC277 F8 UBL P1 DE 45	-5	0.8	0	0	0	75	8825	51.6	76.5	184.7	0	0	0	0	0	0	0	0	0	0	0	0	0	27.7	23.9	57.8	0	0	0	93.6	105.2	254.1	0	0	0
LC278 F8 EXTREME UBL G DE 45	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	105.2	254.1	0	0	0	93.6	105.2	254.1	0	0	0
LC279 F6 EXTREME UBL P1 DE 45	-5	1	0	0	0	135	4905	59.5	80.9	195.3	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	89.8	105.2	254	0	0	0
LC280 F9 EDT DE 45	0	0.8	0	0	0	0	0	3.3	13.7	33.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	26.5	64	0	0	0	21	26.5	64	0	0	0
LC281 F9 COLD DE 45	-15	0.8	0	0	0	0	0	3.3	17.5	42.3	0	0	0	0	0	0	0	0	0	0	0	0	0	21	36.3	87.5	0	0	0	21	36.3	87.5	0	0	0
LC282 F9 MAX. TRANS WIND VS MIN. DE 45 NA+	-20	0.8	3460	12456	0	0	0	-2	46	79.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	108.6	179.2	0	0	0	2.9	108.6	179.2	0	0	0
LC283 F9 MAX. TRANS WIND VS MIN. DE 45 NA-	-20	0.8	-3460	-12456	0	0	0	-2	23.4	88.2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	48.5	200	0	0	0	2.9	48.5	200	0	0	0
LC284 F9 MAX. LONG WIND VS MIN. DE 45 NA+	-20	0.8	0	0	12456	0	0	-2	46	79.4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	108.6	179.2	0	0	0	2.9	108.6	179.2	0	0	0
LC285 F9 MAX. LONG WIND VS MIN. DE 45 NA-	-20	0.8	0	0	-12456	0	0	-2	23.4	88.2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	48.5	200	0	0	0	2.9	48.5	200	0	0	0
LC286 F9 45° OBLIQUE WIND VS MIN. DE 45 BI+	-20	0.8	2447	8809	8809	0	0	-2	19.1	40.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	40.1	77.9	0	0	0	2.9	40.1	77.9	0	0	0
LC287 F9 45° OBLIQUE WIND VS MIN. DE 45 BI-	-20	0.8	-2447	-8809	-8809	0	0	-2	15	41.8	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	25.7	80.9	0	0	0	2.9	25.7	80.9	0	0	0
LC288 F6 MAX. ICE VS MIN. DE 45	-5	0.8	0	0	0	135	4905	-37.4	80.9	195.4	0	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	107.8	260.3	0	0	0	-39.9	107.8	260.3	0	0	0
LC289 F9 WIND + ICE VS MIN. DE 45 NA+	-5	0.8	1580	3160	0	60	4905	-11.3	102	151.9	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	136.6	223.5	0	0	0	-10.6	136.6	223.5	0	0	0
LC290 F9 WIND + ICE VS MIN. DE 45 NA-	-5	0.8	-1580	-3160	0	60	4905	-11.3	35.1	179.3	0	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	60.8	253	0	0	0	-10.6	60.8	253	0	0	0
LC291 F9 MAINTENANCE VS MIN. DE 45	-30	0.5	45	162	0	0	0	0	19.5	46.8	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	40.8	97.5	0	0	0	4.9	40.8	97.5	0	0	0
LC292 F10 BR G VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	29	70.1	0	0	0	6	29	70.1	0	0	0
LC293 F9 BR P1 VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	2.9	26.6	64.1	0	0	0
LC294 F9 BR P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	9.9	0	0	0	0	0
LC295 F10 BR G + P2 VS MIN. DE 45	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	29	70.1	0	0	0	14.4	0	0	0	0	0
LC296 F8 UBL G VS MIN. DE 45	-5	0.8	0	0	0	75	8825	-1.9	14.1	34	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	108.5	261.9	0	0	0	-25.2	108.5	261.9	0	0	0
LC297 F8 UBL P1 VS MIN. DE 45	-5	0.8	0	0	0	75	8825	-25.8	76.5	184.8	0	0	0	0	0	0	0	0	0	0	0	0	0	7.7	26	62.7	0	0	0	-25.2	108.5	261.9	0	0	0
LC298 F8 EXTREME UBL G VS MIN. DE 45	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	108.5	261.9	0	0	0	-25.2	108.5	261.9	0	0	0
LC299 F6 EXTREME UBL P1 VS MIN. DE 45	-5	1	0	0	0	135	4905	-37.4	80.9	195.4	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	-39.9	107.8	260.3	0	0	0
LC300 F9 EDT VS MIN. DE 45	0	0.8	0	0	0	0	0	-2	13.8	33.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	26.6	64.1	0	0	0	2.9	26.6	64.1	0	0	0
LC301 F9 COLD VS MIN. DE 45	-15	0.8	0	0	0	0	0	-2	17.6	42.5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	36.4	87.9	0	0	0	2.9	36.4	87.9	0	0	0
LC302 F9 MAX. TRANS WIND DE 90 NA+	-20	0.8	3460	12456	0	0	0	3.3	72.9	55.9	0	0	0	0	0	0	0	0	0	0	0	0	0	21	169	125.7	0	0	0	21	169	125.7	0	0	0
LC303 F9 MAX. TRANS WIND DE 90 NA-	-20	0.8	-3460	-12456	0	0	0	3.3	55.2	72.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	120.7	164.1	0	0	0	21	120.7	164.1	0	0	0
LC304 F9 MAX. LONG WIND DE 90 NA+	-20	0.8	0	0	12456	0	0	3.3	72.9	55.9	0	0	0	0	0	0	0	0	0	0	0	0	0	21	169	125.7	0	0	0	21	169	125.7	0	0	0
LC305 F9 MAX. LONG WIND DE 90 NA-	-20	0.8	0	0	-12456	0	0	3.3	55.2	72.2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	120.7	164.1	0	0	0	21	120.7	164.1	0	0	0
LC306 F9 45° OBLIQUE WIND DE 90 BI+	-20	0.8	2447	8809	8809	0	0	3.3	29.6	29.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	58.6	55.1	0	0	0	21	58.6	55.1	0	0	0
LC307 F9 45° OBLIQUE WIND DE 90 BI-	-20	0.8	-2447	-8809	-8809	0	0	3.3	28.6	29.1	0	0	0	0	0	0	0	0	0	0	0	0	0	21	51.6	55.1	0	0	0	21	51.6	55.1	0	0	0
LC308 F6 MAX. ICE DE 90	-5	0.8	0	0	0	135	4905	59.5	149.5	149.5	0	0	0	0	0	0	0	0	0	0	0	0	0	89.8	194.4	194.4	0	0	0	89.8	194.4	194.4	0	0	0

LC309 F9 WIND + ICE DE 90 NA+	-5	0.8	1580	3160	0	60	4905	18.2	152.4	101.3	0	0	0	0	0	0	0	0	0	0	0	0	42.6	211.7	154.9	0	0	0	42.6	211.7	154.9	0	0	0
LC310 F9 WIND + ICE DE 90 NA-	-5	0.8	-1580	-3160	0	60	4905	18.2	101	152	0	0	0	0	0	0	0	0	0	0	0	0	42.6	152.6	209.4	0	0	0	42.6	152.6	209.4	0	0	0
LC311 F9 MAINTENANCE DE 90	-30	0.5	45	162	0	0	0	5.3	35.9	35.7	0	0	0	0	0	0	0	0	0	0	0	0	23	74.7	74.1	0	0	0	23	74.7	74.1	0	0	0
LC312 F10 BR G DE 90	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	52.6	52.6	0	0	0	31.1	52.6	52.6	0	0	0
LC313 F9 BR P1 DE 90	0	0.8	0	0	0	0	0	3.3	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	21	49	49	0	0	0
LC314 F9 BR P2 DE 90	0	0.8	0	0	0	0	0	3.3	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	21	49	49	0	0	0	9.9	0	0	0	0	0
LC315 F10 BR G + P2 DE 90	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1	52.6	52.6	0	0	0	14.4	0	0	0	0	0
LC316 F10 UBL G DE 90	-5	0.8	0	0	0	50	8825	2.4	13.2	13.2	0	0	0	0	0	0	0	0	0	0	0	0	75.5	163.7	163.7	0	0	0	75.5	163.7	163.7	0	0	0
LC317 F6 UBL P1 DE 90	-5	0.8	0	0	0	135	4905	59.5	149.5	149.5	0	0	0	0	0	0	0	0	0	0	0	0	19.9	36.9	36.9	0	0	0	89.8	194.4	194.4	0	0	0
LC318 F8 EXTREME UBL G DE 90	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93.6	194.5	194.5	0	0	0	93.6	194.5	194.5	0	0	0
LC319 F6 EXTREME UBL P1 DE 90	-5	1	0	0	0	135	4905	59.5	149.5	149.5	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	89.8	194.4	194.4	0	0	0
LC320 F9 EDT DE 90	0	0.8	0	0	0	0	0	3.3	25.4	25.4	0	0	0	0	0	0	0	0	0	0	0	0	21	49	49	0	0	0	21	49	49	0	0	0
LC321 F9 COLD DE 90	-15	0.8	0	0	0	0	0	3.3	32.4	32.4	0	0	0	0	0	0	0	0	0	0	0	0	21	67	67	0	0	0	21	67	67	0	0	0
LC322 F9 MAX. TRANS WIND VS MIN. DE 90 NA+	-20	0.8	3460	12456	0	0	0	-2	72.9	56	0	0	0	0	0	0	0	0	0	0	0	0	2.9	169.3	125.9	0	0	0	2.9	169.3	125.9	0	0	0
LC323 F9 MAX. TRANS WIND VS MIN. DE 90 NA-	-20	0.8	-3460	-12456	0	0	0	-2	55.3	72.2	0	0	0	0	0	0	0	0	0	0	0	0	2.9	121	164.3	0	0	0	2.9	121	164.3	0	0	0
LC324 F9 MAX. LONG WIND VS MIN. DE 90 NA+	-20	0.8	0	0	12456	0	0	-2	72.9	56	0	0	0	0	0	0	0	0	0	0	0	0	2.9	169.3	125.9	0	0	0	2.9	169.3	125.9	0	0	0
LC325 F9 MAX. LONG WIND VS MIN. DE 90 NA-	-20	0.8	0	0	-12456	0	0	-2	55.3	72.2	0	0	0	0	0	0	0	0	0	0	0	0	2.9	121	164.3	0	0	0	2.9	121	164.3	0	0	0
LC326 F9 45° OBLIQUE WIND VS MIN. DE 90 BI+	-20	0.8	2447	8809	8809	0	0	-2	29.6	29.1	0	0	0	0	0	0	0	0	0	0	0	0	2.9	58.8	55.3	0	0	0	2.9	58.8	55.3	0	0	0
LC327 F9 45° OBLIQUE WIND VS MIN. DE 90 BI-	-20	0.8	-2447	-8809	-8809	0	0	-2	28.6	29.1	0	0	0	0	0	0	0	0	0	0	0	0	2.9	51.8	55.3	0	0	0	2.9	51.8	55.3	0	0	0
LC328 F6 MAX. ICE VS MIN. DE 90	-5	0.8	0	0	0	135	4905	-37.4	149.5	149.5	0	0	0	0	0	0	0	0	0	0	0	0	-39.9	199.2	199.2	0	0	0	-39.9	199.2	199.2	0	0	0
LC329 F9 WIND + ICE VS MIN. DE 90 NA+	-5	0.8	1580	3160	0	60	4905	-11.3	152.4	101.4	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	211.9	155	0	0	0	-10.6	211.9	155	0	0	0
LC330 F9 WIND + ICE VS MIN. DE 90 NA-	-5	0.8	-1580	-3160	0	60	4905	-11.3	101.1	152.1	0	0	0	0	0	0	0	0	0	0	0	0	-10.6	152.8	209.6	0	0	0	-10.6	152.8	209.6	0	0	0
LC331 F9 MAINTENANCE VS MIN. DE 90	-30	0.5	45	162	0	0	0	0	36	35.8	0	0	0	0	0	0	0	0	0	0	0	0	4.9	75.1	74.5	0	0	0	4.9	75.1	74.5	0	0	0
LC332 F10 BR G VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	53.6	53.6	0	0	0	6	53.6	53.6	0	0	0
LC333 F9 BR P1 VS MIN. DE 90	0	0.8	0	0	0	0	0	-2	25.5	25.5	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	0	0	2.9	49.1	49.1	0	0	0
LC334 F9 BR P2 VS MIN. DE 90	0	0.8	0	0	0	0	0	-2	25.5	25.5	0	0	0	0	0	0	0	0	0	0	0	0	2.9	49.1	49.1	0	0	0	9.9	0	0	0	0	0
LC335 F10 BR G + P2 VS MIN. DE 90	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	53.6	53.6	0	0	0	14.4	0	0	0	0	0
LC336 F8 UBL G VS MIN. DE 90	-5	0.8	0	0	0	75	8825	-1.9	26	26	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	200.4	200.4	0	0	0	-25.2	200.4	200.4	0	0	0
LC337 F8 UBL P1 VS MIN. DE 90	-5	0.8	0	0	0	75	8825	-25.8	141.4	141.4	0	0	0	0	0	0	0	0	0	0	0	0	7.7	48	48	0	0	0	-25.2	200.4	200.4	0	0	0
LC338 F8 EXTREME UBL G VS MIN. DE 90	-5	1	0	0	0	75	8825	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-25.2	200.4	200.4	0	0	0	-25.2	200.4	200.4	0	0	0
LC339 F6 EXTREME UBL P1 VS MIN. DE 90	-5	1	0	0	0	135	4905	-37.4	149.5	149.5	0	0	0	0	0	0	0	0	0	0	0	0	10.2	0	0	0	0	0	-39.9	199.2	199.2	0	0	0
LC340 F9 EDT VS MIN. DE 90	0	0.8	0	0	0	0	0	-2	25.5	25.5	0	0	0	0	0	0	0	0	0	0	0	0	2.9	49.1	49.1	0	0	0	2.9	49.1	49.1	0	0	0
LC341 F9 COLD VS MIN. DE 90	-20	0.8	0	0	0	0	0	-2	32.5	32.5	0	0	0	0	0	0	0	0	0	0	0	0	2.9	67.3	67.3	0	0	0	2.9	67.3	67.3	0	0	0

LEGEND

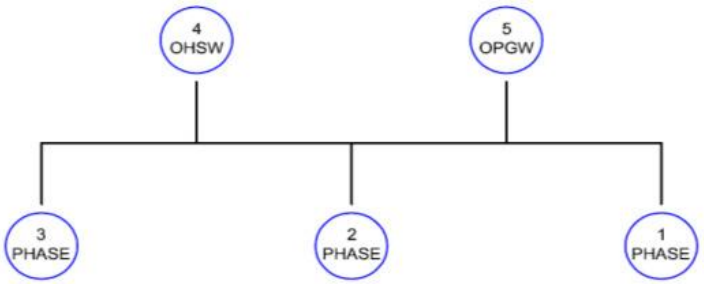
T	:	TRANSVERSAL LOAD
L	:	LONGITUDINAL LOAD
NA+/−	:	POSITIVE/NEGATIVE NORMAL WIND
BI+/−	:	POSITIVE/NEGATIVE WIND DIRECTION SPECIFIED RELATIVE TO STRUCTURE TRANSVERSE AXIS
C	:	CONDUCTOR
D	:	DYNAMIC COEFFICIENT INCLUDED: (1.5: FOR TOWERS TYPE A AND B) (2.0: FOR TOWER TYPE C) (2.5: FOR TOWERS TYPE D AND E)
G1	:	GROUND WIRE ATTACHMENT POINT
G2	:	GROUND WIRE ATTACHMENT POINT
C1	:	CONDUCTOR ATTACHMENT POINT
C2	:	CONDUCTOR ATTACHMENT POINT
C3	:	CONDUCTOR ATTACHMENT POINT
EDT	:	EVERYDAY TEMPERATURE, NO ICE, NO WIND
COLD	:	MINIMUM TEMPERATURE, NO ICE, NO WIND
BR	:	BROKEN CONDITION, NO ICE, NO WIND
BRH	:	BROKEN HARDWARE
UBL	:	UNBALANCED ICE
TD	:	TIE DOWN
LC	:	LOAD CASE
MAX	:	MAXIMUM
L.L.B.	:	LONG LEG BOLTED
S.L.B.	:	SHORT LEG BOLTED
D.S.	:	DOUBLE SHEAR

MAX. WIND, T: MAXIMUM WIND, TRANSVERSE DIRECTION

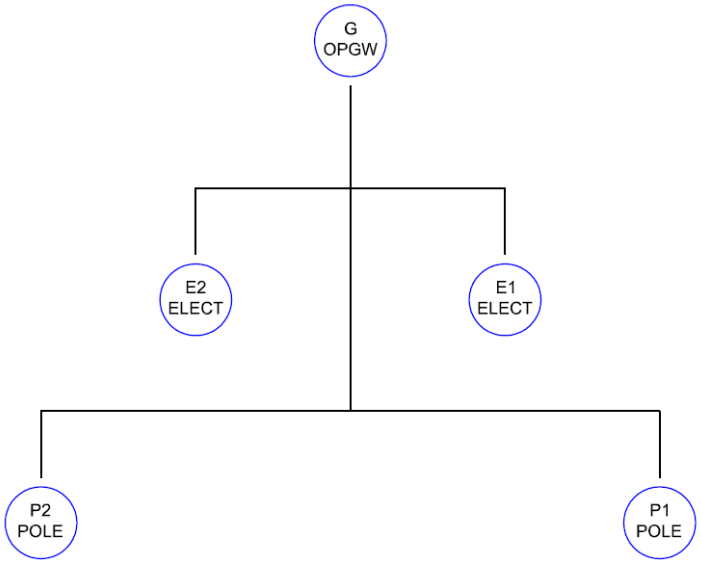
MAX. WIND, L: MAXIMUM WIND, LONGITUDINAL DIRECTION

HMIN.−x/HMAX.−x: MIN. HEIGHT/MAX. HEIGHT WIND DISTRIBUTION HEAD 100% MAST 50%

HMIN.−y/HMAX.−y: MIN. HEIGHT/MAX. HEIGHT WIND DISTRIBUTION HEAD 50% MAST 100%



Attachment Points – TL 267



Attachment Points – Labrador-Island Transmission Link

Sags for Pole Conductor – Zone 1 (F1)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 9:57:34 AM October 18, 2013
SNC-Lavalin ATP Inc.
Project Name: 'c:\350kv hvdc sag-tension\f1.LOA'

Ruling Span Sag Tension Report

Weather Case	Cable Load			R.S. Initial Cond.					R.S. Final Cond. After Creep					R.S. Final Cond. After Load				
# Description	Hor.	Vert	Res.	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag
	Load (N/m)			(N)	(N)	%UL	(m)	(m)	(N)	(N)	%UL	(m)	(m)	(N)	(N)	%UL	(m)	(m)
1 EDT	0.00	55.73	55.73	85532	84545	22	1517	11.29	75432	74311	20	1333	12.85	72821	71659	19	1286	13.33
2 Max wind	55.76	55.73	78.84	119667	118413	31	1502	11.41	108870	107490	29	1363	12.57	105104	103674	28	1315	13.03
3 Wind+Ice	32.60	112.50	117.13	155005	152636	41	1303	13.15	147407	144914	39	1237	13.86	143236	140669	38	1201	14.28
4 Max ice	0.00	203.92	203.92	229540	224590	60	1101	15.57	229391	224438	60	1101	15.58	229540	224590	60	1101	15.57
5 70% ice	0.00	144.91	144.91	181096	177935	47	1228	13.96	176681	173439	46	1197	14.33	172096	168766	45	1165	14.72
6 Pole Conductor HOT (85)	0.00	55.73	55.73	67489	66234	18	1188	14.43	61331	59946	16	1076	15.95	59885	58466	16	1049	16.35
7 Grackle HOT (72)	0.00	55.73	55.73	69586	68369	18	1227	13.98	62994	61647	17	1106	15.51	61438	60056	16	1078	15.92
8 Erection, Maintenance	2.56	55.73	55.79	95470	94585	25	1695	10.10	83213	82197	22	1473	11.63	79824	78764	21	1412	12.14
9 Extreme Cold	0.00	55.73	55.73	98482	97626	26	1752	9.78	85590	84603	22	1518	11.29	81934	80903	21	1452	11.80
10 Reduced Wind Swing	16.79	55.73	58.20	94953	94001	25	1615	10.61	83488	82404	22	1416	12.10	80299	79172	21	1360	12.60
11 Max Wind Swing	44.67	55.73	71.42	111097	109958	29	1540	11.13	99917	98650	26	1381	12.41	96329	95014	25	1330	12.88
12 CSA-BLOWOUT	13.09	55.73	57.25	77414	76275	20	1332	12.86	69429	68157	18	1191	14.40	67473	66163	18	1156	14.84
13 Galloping Swing, 0°C, pw-95.8Pa, i-12.7mm	7.88	80.24	80.62	115102	113569	30	1409	12.17	105097	103416	28	1283	13.36	101805	100068	27	1241	13.81
14 Galloping Sag, 0°C, no wind, i-12.7mm	0.00	80.24	80.24	114653	113125	30	1410	12.15	104649	102973	27	1283	13.36	101379	99648	27	1242	13.80
15 Catenary Limit (2000 m)	0.00	55.73	55.73	91814	90896	24	1631	10.50	80330	79278	21	1423	12.05	77252	76158	20	1367	12.54
16 10% Winter Design Temp.	0.00	55.73	55.73	95383	94498	25	1696	10.10	83146	82130	22	1474	11.63	79757	78697	21	1412	12.14

Sags for Pole Conductor – Zone 2b (F2)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 1:11:47 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sl11300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f2.LOA'

Ruling Span Sag Tension Report

#	Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	74920	74595	20	1339	3.74	60267	59863	16	1074	4.66	44616	44069	12	791	6.33
2	Max wind	117.78	55.73	130.30	141192	140423	37	1078	4.64	132094	131272	35	1007	4.97	102651	101591	27	780	6.42
3	Wind+Ice	190.99	192.61	271.25	208630	206168	55	760	6.59	208302	205836	55	759	6.60	183192	180383	48	665	7.53
4	Max ice	0.00	454.94	454.94	279633	273790	73	602	8.33	279633	273790	73	602	8.33	279633	273790	73	602	8.33
5	70% ice	0.00	276.20	276.20	211165	208324	55	754	6.64	210867	208022	55	753	6.65	186307	183080	49	663	7.56
6	Pole Conductor HOT (85)	0.00	55.73	55.73	47136	46618	12	836	5.98	41322	40730	11	731	6.85	35963	35282	9	633	7.91
7	Falcon HOT (62)	0.00	55.73	55.73	51967	51498	14	924	5.42	44728	44182	12	793	6.32	36893	36230	10	650	7.71
8	Erection, Maintenance	2.56	55.73	55.79	95386	95130	25	1705	2.93	75174	74850	20	1342	3.73	50575	50092	13	898	5.57
9	Extreme Cold	0.00	55.73	55.73	102153	101916	27	1829	2.73	80720	80419	21	1443	3.47	52514	52049	14	934	5.36
10	Reduced Wind Swing	35.28	55.73	65.96	96122	95791	25	1452	3.44	78953	78550	21	1191	4.20	56293	55725	15	845	5.93
11	Max Wind Swing	94.17	55.73	109.42	127764	127153	33	1162	4.31	116008	115335	30	1054	4.75	88246	87358	23	798	6.27
12	CSA-BLOWOUT	13.09	55.73	57.25	59285	58857	16	1028	4.87	50089	49581	13	866	5.78	40165	39530	11	691	7.25
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	95614	95083	25	1179	4.24	82031	81411	21	1010	4.96	62736	61923	16	768	6.52
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	95291	94762	25	1181	4.24	81718	81100	21	1011	4.95	62468	61657	16	768	6.52
15	Catenary Limit (2000 m)	0.00	55.73	55.73	87670	87393	23	1568	3.19	69255	68903	18	1236	4.05	48307	47802	13	858	5.84
16	10% Winter Design Temp.	0.00	55.73	55.73	95385	95131	25	1707	2.93	75129	74806	20	1342	3.73	50530	50048	13	898	5.57

Sags for Pole Conductor – Zone 3a (F3)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 1:17:42 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f3.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	85129	84200	22	1511	10.74	74778	73719	20	1323	12.27	72311	71216	19	1278	12.70
2	Max wind	73.40	55.73	92.16	133643	132241	35	1435	11.30	123574	122056	32	1324	12.25	119665	118098	31	1281	12.66
3	Wind+Ice	32.60	112.50	117.13	153669	151430	40	1293	12.55	145899	143539	38	1226	13.24	141960	139533	37	1191	13.62
4	Max Ice	0.00	203.92	203.92	227032	222348	59	1090	14.89	226841	222153	59	1089	14.90	227032	222348	59	1090	14.89
5	70% Ice	0.00	144.91	144.91	179338	176349	47	1217	13.34	174740	171672	46	1185	13.70	170430	167283	45	1154	14.06
6	Pole Conductor HOT (85)	0.00	55.73	55.73	66612	65421	17	1174	13.83	60403	59087	16	1060	15.32	59058	57712	15	1036	15.68
7	Grackle HOT (72)	0.00	55.73	55.73	68756	67603	18	1213	13.38	62090	60810	16	1091	14.88	60623	59312	16	1064	15.26
8	Erection, Maintenance	2.56	55.73	55.79	95486	94658	25	1697	9.56	82850	81894	22	1468	11.05	79605	78610	21	1409	11.51
9	Extreme Cold	0.00	55.73	55.73	98613	97812	26	1755	9.24	85316	84389	22	1514	10.71	81805	80838	21	1451	11.18
10	Reduced Wind Swing	21.91	55.73	59.88	96865	95950	25	1602	10.12	85074	84030	22	1403	11.56	81985	80902	21	1351	12.01
11	Max Wind Swing	58.61	55.73	80.87	121411	120192	32	1486	10.91	110483	109141	29	1350	12.02	106840	105452	28	1304	12.44
12	CSA-BLOWOUT	13.09	55.73	57.25	76686	75608	20	1321	12.28	68583	67376	18	1177	13.79	66727	65486	17	1144	14.19
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	114312	112866	30	1400	11.59	104087	102497	27	1271	12.76	100983	99343	26	1232	13.17
14	Galloping Sag, 0°C, no Wind, i=12.7mm	0.00	80.24	80.24	113862	112421	30	1401	11.58	103660	102076	27	1272	12.76	100556	98923	26	1233	13.16
15	Catenary Limit (2000 m)	0.00	55.73	55.73	91655	90794	24	1629	9.95	79855	78864	21	1415	11.46	76899	75870	20	1361	11.92
16	10% Winter Design Temp.	0.00	55.73	55.73	95399	94571	25	1697	9.56	82760	81805	22	1468	11.05	79516	78521	21	1409	11.51

Sags for Pole Conductor – Zone 10,8b (F4)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 1:23:13 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f4.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load Sag (m)
1	EDT	0.00	55.73	55.73	83592	82149	22	1474	16.45	76318	74735	20	1341	18.09	73579	71936	19	1291	18.79
2	Max wind	55.76	55.73	78.84	117394	115582	31	1466	16.54	109399	107453	29	1363	17.79	105441	103421	28	1312	18.49
3	Wind+Ice	32.60	112.50	117.13	157560	154233	41	1317	18.42	151752	148296	40	1266	19.16	147109	143541	39	1226	19.80
4	Max ice	0.00	203.92	203.92	239890	233120	63	1143	21.23	239855	233085	63	1143	21.24	239890	233120	63	1143	21.23
5	70%ice	0.00	144.91	144.91	186241	181849	49	1255	19.33	183197	178729	48	1233	19.67	177946	173343	47	1196	20.29
6	Pole Conductor HOT(85)	0.00	55.73	55.73	70275	68553	18	1230	19.73	65256	63397	17	1138	21.34	63526	61615	17	1106	21.96
7	Erection, Maintenance	2.56	55.73	55.79	90284	88947	24	1594	15.20	81868	80392	21	1441	16.83	78531	76990	21	1380	17.57
8	Extreme Cold	0.00	55.73	55.73	92196	90890	24	1631	14.86	83464	82019	22	1472	16.47	79927	78417	21	1407	17.23
9	Reduced Wind Swing	16.79	55.73	58.20	91150	89736	24	1542	15.72	83083	81529	22	1401	17.31	79867	78250	21	1344	18.04
10	Max Wind Swing	44.67	55.73	71.42	108212	106552	28	1492	16.25	100073	98275	26	1376	17.62	96358	94491	25	1323	18.33
11	CSA-BLOWOUT	13.09	55.73	57.25	78385	76779	21	1341	18.08	72248	70502	19	1232	19.70	70031	68228	18	1192	20.36
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	114887	112693	30	1398	17.35	107363	105011	28	1302	18.62	103793	101358	27	1257	19.30
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	114436	112249	30	1399	17.33	106903	104558	28	1303	18.61	103333	100905	27	1258	19.29
14	Catenary Limit (2000 m)	0.00	55.73	55.73	85651	84244	22	1512	16.04	78020	76472	20	1372	17.67	75104	73494	20	1319	18.39
15	10% Winter Design Temp.	0.00	55.73	55.73	86737	85347	23	1531	15.83	78926	77396	21	1389	17.46	75899	74307	20	1333	18.19

Sags for Pole Conductor – Zone 8a,6,4a (F5), and Zone 4b (F10)

3633 kcmil 1841_A1/S1A-110/7 ACSR

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f5.LOA'

Ruling Span Sag Tension Report

#	Description	Weather Case	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT		0.00	55.73	55.73	83982	82623	22	1483	15.62	76313	74815	20	1342	17.25	73557	72001	19	1292	17.93
2	Max wind		73.40	55.73	92.16	133623	131624	35	1428	16.21	125856	123731	33	1343	17.25	121460	119257	32	1294	17.90
3	Wind+Ice		32.60	112.50	117.13	157434	154281	41	1317	17.59	151393	148112	40	1265	18.32	146730	143343	38	1224	18.93
4	Max ice		0.00	203.92	203.92	238727	232291	63	1139	20.35	238656	232218	63	1139	20.36	238727	232291	63	1139	20.35
5	70% ice		0.00	144.91	144.91	185787	181620	49	1253	18.49	182575	178334	48	1231	18.83	177326	172956	46	1194	19.42
6	Pole Conductor HDT(85)		0.00	55.73	55.73	70027	68392	18	1227	18.88	64825	63054	17	1131	20.49	63099	61279	17	1100	21.09
7	Erection, Maintenance		2.56	55.73	55.79	91072	89818	24	1610	14.38	82165	80773	22	1448	15.99	78765	77312	21	1386	16.71
8	Extreme Cold		0.00	55.73	55.73	93122	91898	24	1649	14.04	83840	82478	22	1480	15.64	80240	78816	21	1414	16.37
9	Reduced Wind Swing		21.91	55.73	59.88	93999	92641	25	1547	14.96	85432	83936	22	1402	16.52	82110	80552	22	1345	17.22
10	Max Wind Swing		58.61	55.73	80.87	120339	118581	32	1466	15.79	112044	110153	29	1362	17.00	107980	106017	28	1311	17.67
11	CSA-BLOWOUT		13.09	55.73	57.25	78385	76864	21	1343	17.25	71986	70327	19	1228	18.86	69762	68049	18	1189	19.50
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm		7.88	80.24	80.62	115106	113033	30	1402	16.52	107229	105001	28	1302	17.79	103641	101334	27	1257	18.43
13	Galloping Sag, 0°C, no wind, i=12.7mm		0.00	80.24	80.24	114628	112562	30	1403	16.51	106758	104537	28	1303	17.78	103192	100892	27	1257	18.43
14	Catenary Limit (2000 m)		0.00	55.73	55.73	86158	84833	23	1522	15.21	78104	76641	20	1375	16.84	75148	73626	20	1321	17.53
15	10% Winter Design Temp.		0.00	55.73	55.73	87315	86009	23	1543	15.00	79056	77610	21	1393	16.63	75989	74484	20	1336	17.33

Sags for Pole Conductor – Zone 7b (F6)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 1:34:54 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sl11300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f6.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	60783	60205	16	1080	6.13	53763	53110	14	953	6.95	42677	41850	11	751	8.82
2	Max wind	196.87	55.73	204.61	174528	172511	46	843	7.86	174194	172173	46	841	7.87	147379	144985	39	709	9.35
3	Wind+Ice	311.10	192.61	365.90	249990	245126	66	670	9.89	249990	245126	66	670	9.89	236946	231809	62	634	10.47
4	Max ice	0.00	454.94	454.94	286184	277929	75	611	10.86	286184	277929	75	611	10.86	286184	277929	75	611	10.86
5	70% ice	0.00	276.20	276.20	209022	204875	55	742	8.93	208754	204602	55	741	8.94	187100	182455	49	661	10.04
6	Pole Conductor HOT(85)	0.00	55.73	55.73	45042	44259	12	794	8.34	41405	40553	11	728	9.11	36625	35658	10	640	10.36
7	Erection, Maintenance	2.56	55.73	55.79	70852	70356	19	1261	5.25	61535	60964	16	1093	6.06	46426	45666	12	819	8.09
8	Extreme Cold	0.00	55.73	55.73	74195	73723	19	1323	5.00	64094	63546	17	1140	5.80	47540	46799	12	840	7.89
9	Reduced Wind Swing	59.18	55.73	81.29	89685	88976	24	1095	6.05	81469	80687	21	993	6.67	64062	63064	17	776	8.54
10	CSA-BLOWOUT	13.09	55.73	57.25	53026	52336	14	914	7.24	47959	47195	13	824	8.03	39914	39993	10	681	9.73
11	Max Wind Swing	157.61	55.73	167.18	151773	150205	40	898	7.37	149144	147548	39	883	7.50	123334	121398	32	726	9.13
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	82326	81436	22	1010	6.55	75030	74051	20	918	7.21	60590	59374	16	736	9.00
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	82023	81135	21	1011	6.55	74716	73741	20	919	7.20	60321	59109	16	737	8.99
14	Catenary Limit (2000 m)	0.00	55.73	55.73	63722	63172	17	1134	5.84	56028	55401	15	994	6.66	43819	43015	11	772	8.58
15	10% Winter Design Temp.	0.00	55.73	55.73	65347	64811	17	1163	5.69	57271	56658	15	1017	6.51	44418	43625	12	783	8.46

Sags for Pole Conductor – Zone 9,11a (F7), and Zone 11b (F8)

3633 kcmil 1841_A1/S1A-110/7 ACSR

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f7.LOA'

Ruling Span Sag Tension Report

#	Description	Weather Case	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT		0.00	55.73	55.73	69763	68677	18	1232	12.45	63968	62782	17	1127	13.62	55698	54332	15	975	15.75
2	Max wind		86.20	55.73	102.65	122987	121244	32	1181	12.99	117022	115188	31	1122	13.67	102420	100320	27	977	15.71
3	Wind+Ice		44.80	182.86	188.27	193298	188868	51	1003	15.30	193055	188619	51	1002	15.32	174505	169585	46	901	17.05
4	Max ice		0.00	330.00	330.00	286196	276835	75	839	18.32	286196	276835	75	839	18.32	286196	276835	75	839	18.32
5	70% ice		0.00	214.97	214.97	213425	208119	56	968	15.86	213221	207910	56	967	15.88	196569	190795	52	888	17.31
6	Pole Conductor HOT(85)		0.00	55.73	55.73	57604	56284	15	1010	15.20	53799	52383	14	940	16.34	48632	47061	13	844	18.20
7	Erection, Maintenance		2.56	55.73	55.79	76146	75151	20	1347	11.38	69262	68167	18	1222	12.55	59128	57841	15	1037	14.80
8	Extreme Cold		0.00	55.73	55.73	78027	77058	20	1383	11.09	70817	69748	19	1252	12.26	60072	58808	16	1055	14.54
9	Reduced Wind Swing		25.89	55.73	61.45	80258	79160	21	1288	11.91	73630	72431	19	1179	13.02	63463	62068	17	1010	15.20
10	Max Wind Swing		68.85	55.73	88.58	109062	107557	29	1214	12.63	102587	100986	27	1140	13.46	89343	87500	23	988	15.54
11	CSA-BLOWOUT		13.09	55.73	57.25	64777	63556	17	1110	13.82	60014	58694	16	1025	14.97	53351	51862	14	906	16.95
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm		7.88	80.24	80.62	96316	94672	25	1174	13.06	90120	88361	24	1096	14.00	79167	77159	21	957	16.04
13	Galloping Sag, 0°C, no Wind, i=12.7mm		0.00	80.24	80.24	95918	94280	25	1175	13.06	89728	87974	24	1096	14.00	78808	76805	21	957	16.04
14	Catenary Limit (2000 m)		0.00	55.73	55.73	71719	70663	19	1268	12.10	65584	64428	17	1156	13.27	56760	55420	15	994	15.44
15	10% Winter Design Temp.		0.00	55.73	55.73	72749	71708	19	1287	11.92	66426	65285	17	1171	13.10	57313	55986	15	1005	15.28

Sags for Pole Conductor – Zone 7a,7c (F9)

3633 kcmil 1841_A1/S1A-110/7 ACSR

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f9.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	86481	86034	23	1544	5.06	69895	69342	18	1244	6.28	55101	54398	14	976	8.01
2	Max Wind	196.87	55.73	204.61	207467	205506	54	1004	7.79	207031	205066	54	1002	7.81	181204	178955	47	875	8.95
3	Wind+Ice	279.50	163.81	323.97	261851	257728	69	796	9.84	261851	257728	69	796	9.84	254451	250205	67	772	10.14
4	Max ice	0.00	360.35	360.35	278078	272224	73	755	10.37	278078	272224	73	755	10.37	278078	272224	73	755	10.37
5	70% ice	0.00	226.17	226.17	213862	210874	56	932	8.39	213556	210564	56	931	8.40	190483	187123	50	827	9.46
6	Pole Conductor HOT(85)	0.00	55.73	55.73	57371	56695	15	1017	7.69	49907	49129	13	882	8.88	43404	42507	11	763	10.27
7	Erection, Maintenance	2.56	55.73	55.79	105839	105474	28	1891	4.13	84124	83665	22	1500	5.21	62119	61495	16	1102	7.10
8	Extreme Cold	0.00	55.73	55.73	111953	111608	29	2003	3.90	89133	88700	23	1592	4.91	64345	63743	17	1144	6.84
9	Reduced Wind Swing	59.18	55.73	81.29	122065	121477	32	1494	5.23	105629	104949	28	1291	6.06	83096	82229	22	1012	7.73
10	Max Wind Swing	157.61	55.73	167.18	184889	183405	48	1097	7.13	182094	180587	48	1080	7.24	153528	151737	40	908	8.62
11	CSA-BLOWOUT	13.09	55.73	57.25	70781	70211	19	1226	6.38	59597	58920	16	1029	7.60	49806	48994	13	856	9.14
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	110237	109505	29	1358	5.76	95147	94298	25	1170	6.69	77111	76061	20	943	8.29
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	109896	109167	29	1361	5.75	94789	93943	25	1171	6.68	76798	75751	20	944	8.29
14	Catenary Limit (2000 m)	0.00	55.73	55.73	92214	91796	24	1647	4.75	73941	73418	19	1317	5.93	57166	56488	15	1014	7.72
15	10% Winter Design Temp.	0.00	55.73	55.73	95367	94963	25	1704	4.59	76164	75656	20	1358	5.76	58299	57634	15	1034	7.56

Sags for Pole Conductor – Zone 3b (F10)

3633 kcmil 1841_A1/S1A-110/7 ACSR

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f10_3b_1b.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load Sag (m)
1	EDT	0.00	55.73	55.73	83982	82623	22	1483	15.62	76313	74815	20	1342	17.25	73557	72001	19	1292	17.93
2	Max wind	73.40	55.73	92.16	133623	131624	35	1428	16.21	125856	123731	33	1343	17.25	121460	119257	32	1294	17.90
3	Wind+Ice	32.60	112.50	117.13	157434	154281	41	1317	17.59	151393	148112	40	1265	18.32	146730	143343	38	1224	18.93
4	Max ice	0.00	203.92	203.92	238727	232291	63	1139	20.35	238656	232218	63	1139	20.36	238727	232291	63	1139	20.35
5	70% ice	0.00	144.91	144.91	185787	181620	49	1253	18.49	182575	176334	48	1231	18.83	177326	172956	46	1194	19.42
6	Pole Conductor HOT(85)	0.00	55.73	55.73	70027	68392	18	1227	18.88	64825	63054	17	1131	20.49	63099	61279	17	1100	21.09
7	Erection, Maintenance	2.56	55.73	55.79	91072	89818	24	1610	14.38	82165	80773	22	1448	15.99	78765	77312	21	1386	16.71
8	Extreme Cold	0.00	55.73	55.73	93122	91898	24	1649	14.04	83840	82478	22	1480	15.64	80240	78816	21	1414	16.37
9	Reduced Wind Swing	21.91	55.73	59.86	93999	92641	25	1547	14.96	85432	83936	22	1402	16.52	82110	80552	22	1345	17.22
10	Max Wind Swing	58.61	55.73	80.87	120339	118581	32	1466	15.79	112044	110153	29	1362	17.00	107980	106017	28	1311	17.67
11	CSA-BLOWOUT	13.09	55.73	57.25	78385	76864	21	1343	17.25	71986	70327	19	1228	18.86	69762	68049	18	1189	19.50
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	115106	113033	30	1402	16.52	107229	105001	28	1302	17.79	103641	101334	27	1257	18.43
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	114628	112562	30	1403	16.51	106758	104537	28	1303	17.78	103192	100892	27	1257	18.43
14	Catenary Limit (2000 m)	0.00	55.73	55.73	88493	87205	23	1565	14.79	80029	78602	21	1410	16.42	76862	75375	20	1352	17.12
15	10% Winter Design Temp.	0.00	55.73	55.73	90998	89746	24	1610	14.37	82087	80696	22	1448	15.99	78687	77234	21	1386	16.71

Sags for Pole Conductor – Zone 2a,2c (Rev 1)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 2:02:19 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f11.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	77587	77135	20	1384	4.78	63781	63230	17	1135	5.83	52253	51580	14	926	7.15
2	Max wind	117.78	55.73	130.30	148143	147142	39	1129	5.86	139753	138692	37	1064	6.22	118540	117288	31	900	7.36
3	Wind+Ice	171.59	163.81	237.23	205582	202933	54	855	7.74	205241	202586	54	854	7.76	187406	184496	49	778	8.52
4	Max ice	0.00	360.35	360.35	263593	257991	69	716	9.26	263593	257991	69	716	9.26	263593	257991	69	716	9.26
5	70% ice	0.00	226.17	226.17	200063	197165	52	872	7.60	199710	196807	52	870	7.61	180656	177442	47	785	8.44
6	Pole Conductor HOT(85)	0.00	55.73	55.73	51770	51091	14	917	7.22	45666	44895	12	806	8.22	40694	39826	11	715	9.27
7	Falcon HOT(62)	0.00	55.73	55.73	56484	55862	15	1002	6.60	49076	48359	13	868	7.63	43050	42230	11	758	8.74
8	Erection, Maintenance	2.56	55.73	55.79	95414	95046	25	1704	3.88	76804	76347	20	1368	4.83	59379	58787	16	1054	6.28
9	Extreme Cold	0.00	55.73	55.73	101216	100870	27	1810	3.65	81411	80981	21	1453	4.55	61693	61124	16	1097	6.03
10	Reduced Wind Swing	35.28	55.73	65.96	98124	97664	26	1481	4.47	82150	81600	22	1237	5.35	65838	65150	17	988	6.70
11	Max Wind Swing	94.17	55.73	109.42	133293	132488	35	1211	5.47	122221	121342	32	1109	5.97	102225	101173	27	925	7.16
12	CSA-BLOWOUT	13.09	55.73	57.25	63632	63059	17	1102	6.01	54463	53792	14	940	7.05	46915	46134	12	806	8.22
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	7.88	80.24	80.62	100191	99461	26	1234	5.36	87295	86456	23	1072	6.17	73122	72118	19	895	7.40
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	80.24	80.24	99900	99173	26	1236	5.35	86937	86100	23	1073	6.17	72809	71808	19	895	7.40
15	Catenary Limit (2000 m)	0.00	55.73	55.73	88704	88309	23	1585	4.17	71736	71247	19	1278	5.18	56692	56073	15	1006	6.58
16	10% Winter Design Temp.	0.00	55.73	55.73	95356	94989	25	1704	3.88	76715	76258	20	1368	4.84	59335	58743	16	1054	6.28

Sags for Pole Conductor – Zone 5 (F12)

3633 kcmil 1841_A1/S1A-110/7 ACSR

PLS-CADD Version 12.30x64 2:09:08 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f12.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	55.73	55.73	79593	78993	21	1417	6.92	67788	67083	18	1204	8.15	54422	53541	14	961	10.22
2	Max wind	139.41	55.73	150.13	171496	169850	45	1131	8.67	167081	165391	44	1102	8.91	140211	138193	37	920	10.67
3	Wind+Ice	200.78	163.81	259.13	235667	231838	62	895	10.98	235601	231771	62	894	10.98	216886	212719	57	821	11.97
4	Max ice	0.00	360.35	360.35	286198	279164	75	775	12.68	286198	279164	75	775	12.68	286198	279164	75	775	12.68
5	70% ice	0.00	226.17	226.17	216915	213273	57	943	10.41	216667	213021	57	942	10.42	193805	189720	51	839	11.71
6	Pole Conductor HOT(85)	0.00	55.73	55.73	57653	56823	15	1020	9.63	51566	50635	14	909	10.81	44818	43744	12	785	12.52
7	Erection, Maintenance	2.56	55.73	55.79	93302	92790	24	1663	5.90	78052	77439	20	1388	7.07	59670	58866	16	1055	9.30
8	Extreme Cold	0.00	55.73	55.73	97714	97226	26	1745	5.62	81456	80870	21	1451	6.76	61250	60468	16	1085	9.04
9	Reduced Wind Swing	41.82	55.73	69.68	102890	102222	27	1467	6.69	89538	88769	23	1274	7.70	70849	69874	19	1003	9.79
10	Max Wind Swing	111.52	55.73	124.67	151963	150661	40	1208	8.12	144166	142793	38	1145	8.57	119236	117573	31	943	10.41
11	CSA-BLOWOUT	13.09	55.73	57.25	68551	67824	18	1185	8.28	60032	59199	16	1034	9.49	50465	49472	13	864	11.36
12	Galloping Swing, 0°C, pw=95.8Pa, l=12.7mm	7.88	80.24	80.62	104983	104033	28	1290	7.60	93596	92528	25	1148	8.55	76717	75411	20	935	10.50
13	Galloping Sag, 0°C, no wind, l=12.7mm	0.00	80.24	80.24	104637	103691	27	1292	7.59	93215	92151	24	1148	8.54	76381	75079	20	936	10.49
14	Catenary Limit (2000 m)	0.00	55.73	55.73	83654	83084	22	1491	6.58	70764	70089	19	1258	7.80	56008	55153	15	990	9.92
15	10% Winter Design Temp.	0.00	55.73	55.73	85881	85325	23	1531	6.41	72408	71748	19	1287	7.62	56852	56009	15	1005	9.77

Sags for Electrode Conductor – Zone 1 (F1)

1192.5 kcmil ACSR "Grackle" on Tower

PLS-CADD Version 12.30x64 1:08:42 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f1.LOA'

Ruling Span Sag Tension Report

#	Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	22.37	22.37	39315	38969	21	1742	9.83	34653	34261	19	1531	11.19	28489	28010	15	1252	13.69
2	Max wind	33.18	22.37	40.02	63782	63205	34	1579	10.85	60113	59500	32	1487	11.52	49806	49064	27	1226	13.98
3	Wind+Ice	25.58	63.17	68.15	88912	87534	48	1284	13.35	88626	87243	48	1280	13.39	77105	75511	41	1108	15.48
4	Max ice	0.00	138.62	138.62	139773	136007	75	981	17.49	139773	136007	75	981	17.49	139773	136007	75	981	17.49
5	70% ice	0.00	89.19	89.19	106237	104193	57	1168	14.68	106237	104193	57	1168	14.68	97005	94762	52	1062	16.15
6	Pole Conductor HOT (85)	0.00	22.37	22.37	30139	29687	16	1327	12.92	27415	26917	15	1203	14.25	25880	25352	14	1133	15.14
7	Grackle HOT (72)	0.00	22.37	22.37	31196	30759	17	1375	12.47	28189	27705	15	1238	13.84	26238	25717	14	1149	14.92
8	Erection, Maintenance	1.52	22.37	22.42	44372	44065	24	1965	8.71	38867	38516	21	1718	9.97	30406	29956	16	1336	12.83
9	Extreme Cold	0.00	22.37	22.37	45856	45560	25	2036	8.41	40111	39772	22	1778	9.63	31019	30580	17	1367	12.54
10	Reduced Wind Swing	9.99	22.37	24.50	45351	45005	24	1837	9.32	40228	39838	22	1626	10.54	32097	31606	17	1290	13.29
11	Max Wind Swing	26.58	22.37	34.74	57896	57404	31	1652	10.37	53620	53089	29	1528	11.21	43938	43288	24	1246	13.76
12	CSA-BLOWOUT	7.79	22.37	23.69	35948	35533	19	1500	11.42	32227	31764	17	1341	12.78	28467	27942	15	1180	14.54
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	5.68	38.77	39.18	59784	59089	32	1508	11.36	55857	55113	30	1407	12.18	46958	46070	25	1176	14.58
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	38.77	38.77	59326	58638	32	1513	11.33	55369	54630	30	1409	12.16	46521	45640	25	1177	14.56
15	Catenary Limit (1900 m)	0.00	22.37	22.37	42503	42184	23	1886	9.08	37274	36909	20	1650	10.38	29546	29085	16	1300	13.19
16	10% Winter Design Temp.	0.00	22.37	22.37	44309	44002	24	1967	8.71	38791	38441	21	1718	9.97	30339	29890	16	1336	12.83

Sags for Electrode Conductor – Zone 2b (F2)

1590 kcmil ACSR "Falcon" on Tower

PLS-CADD Version 12.30x64 1:13:54 PM June 19, 2013
SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f2.LOA'

Ruling Span Sag Tension Report

#	Description	Weather Case	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)
1	EDT		0.00	29.83	29.83	25359	25083	10	841	5.95	24029	23738	10	796	6.29	19904	19552	8	655	7.64
2	Max wind		81.23	29.83	86.54	66607	65899	27	762	6.58	66146	65434	27	756	6.62	51805	50892	21	588	8.52
3	Wind+Ice		173.87	147.67	228.11	134514	131862	55	578	8.67	134514	131862	55	578	8.67	121374	118428	50	519	9.66
4	Max ice		0.00	392.30	392.30	193941	187639	80	478	10.49	193941	187639	80	478	10.49	193941	187639	80	478	10.49
5	70% ice		0.00	224.59	224.59	133437	130450	55	581	8.63	133437	130450	55	581	8.63	120163	116837	50	520	9.64
6	Pole Conductor HOT (85)		0.00	29.83	29.83	19834	19480	8	653	7.67	19551	19192	8	643	7.79	18034	17644	7	591	8.47
7	Falcon HOT (62)		0.00	29.83	29.83	20980	20646	9	692	7.24	20118	19770	8	663	7.56	18491	18111	8	607	8.25
8	Erection, Maintenance		1.77	29.83	29.88	28639	28395	12	950	5.27	26937	26677	11	893	5.61	20740	20401	9	683	7.34
9	Extreme Cold		0.00	29.83	29.83	29665	29429	12	987	5.07	27833	27583	11	925	5.41	20938	20603	9	691	7.25
10	Reduced Wind Swing		24.33	29.83	38.49	34179	33869	14	880	5.69	32579	32254	13	838	5.97	25481	25064	11	651	7.69
11	Max Wind Swing		64.95	29.83	71.47	57185	56615	24	792	6.32	56167	55586	23	778	6.44	43372	42617	18	596	8.40
12	CSA-BLOWOUT		9.03	29.83	31.17	23206	22883	10	734	6.82	22166	21828	9	700	7.15	19714	19333	8	620	8.08
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm		6.19	48.12	48.52	39063	38591	16	795	6.29	37585	37094	16	765	6.55	30433	29824	13	615	8.15
14	Galloping Sag, 0°C, no wind, i=12.7mm		0.00	48.12	48.12	38780	38311	16	796	6.29	37306	36818	15	765	6.54	30224	29619	12	616	8.14
15	Catenary Limit (1600 m)		0.00	29.83	29.83	27402	27147	11	910	5.50	25838	25567	11	857	5.84	20429	20086	8	673	7.44
16	10% Winter Design Temp.		0.00	29.83	29.83	28592	28348	12	950	5.27	26893	26633	11	893	5.61	20709	20371	9	683	7.33

Sags for Electrode Conductor – Zone 3a (F3)

1192.5 kcmil ACSR "Grackle" on Tower

PLS-CADD Version 12.30x64 1:13:58 PM July 23, 2013
SNC-Lavalin ATP Inc.
Project Name: 'c:\350kv hvdc sag-tension\f3.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load Sag (m)
1	EDT	0.00	22.37	22.37	39432	39109	21	1748	9.28	34561	34193	19	1528	10.61	28315	27864	15	1245	13.03
2	Max wind	43.68	22.37	49.07	72944	72244	39	1472	11.02	70390	69664	38	1420	11.43	59243	58378	32	1190	13.64
3	Wind+Ice	25.58	63.17	68.15	88256	86953	47	1276	12.72	87880	86572	47	1270	12.77	76492	74985	41	1100	14.76
4	Max ice	0.00	138.62	138.62	138235	134670	74	972	16.72	138235	134670	74	972	16.72	138235	134670	74	972	16.72
5	70% ice	0.00	89.19	89.19	105274	103343	56	1159	14.01	105274	103343	56	1159	14.01	96118	93999	52	1054	15.41
6	Pole Conductor HOT (85)	0.00	22.37	22.37	29883	29456	16	1317	12.32	27130	26659	15	1192	13.62	25631	25132	14	1123	14.45
7	Grackle HOT (72)	0.00	22.37	22.37	30967	30555	17	1366	11.88	27880	27422	15	1226	13.24	26000	25508	14	1140	14.24
8	Erection, Maintenance	1.52	22.37	22.42	44758	44473	24	1983	8.17	38983	38656	21	1724	9.41	30391	29970	16	1336	12.14
9	Extreme Cold	0.00	22.37	22.37	46334	46060	25	2059	7.87	40321	40006	22	1788	9.07	31042	30631	17	1369	11.85
10	Reduced Wind Swing	13.04	22.37	25.89	47373	47032	25	1816	8.93	42126	41742	23	1612	10.06	33676	33195	18	1282	12.66
11	Max Wind Swing	34.87	22.37	41.43	65199	64629	35	1560	10.40	61588	60984	33	1472	11.02	51141	50413	27	1217	13.34
12	CSA-BLOWOUT	7.79	22.37	23.69	35802	35412	19	1495	10.85	31969	31532	17	1331	12.19	28241	27746	15	1171	13.86
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	5.68	38.77	39.18	59586	58933	32	1504	10.78	55531	54830	30	1399	11.59	46681	45845	25	1170	13.87
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	38.77	38.77	59151	58505	32	1509	10.75	55052	54357	30	1402	11.57	46235	45405	25	1171	13.86
15	Catenary Limit (1900 m)	0.00	22.37	22.37	42796	42498	23	1900	8.53	37305	36964	20	1652	9.81	29494	29061	16	1299	12.49
16	10% Winter Design Temp.	0.00	22.37	22.37	44708	44423	24	1986	8.16	38907	38580	21	1724	9.40	30329	29909	16	1337	12.14

Sags for Electrode Conductor – Zones 2a and 2c (1 of 2)

1590 kcmil ACSR "Falcon" on Tower

PLS-CADD Version 12.30x64 11:30:36 AM July 23, 2013
SNC-Lavalin ATP Inc.
Project Name: 'g:\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f11.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	29.83	29.83	42211	41974	17	1407	4.70	36363	36087	15	1210	5.47	27434	27067	11	907	7.30
2	Max wind	81.23	29.83	86.54	92847	92159	38	1065	6.22	91647	90950	38	1051	6.30	69464	68541	29	792	8.36
3	Wind+Ice	154.47	121.59	196.58	149740	147315	62	749	8.84	149740	147315	62	749	8.84	135550	132866	56	676	9.81
4	Max ice	0.00	303.16	303.16	193813	188403	80	621	10.67	193813	188403	80	621	10.67	193813	188403	80	621	10.67
5	70% ice	0.00	178.37	178.37	141576	139025	58	779	8.50	141576	139025	58	779	8.50	125518	122633	52	688	9.64
6	Pole Conductor HOT(85)	0.00	29.83	29.83	28512	28159	12	944	7.01	26655	26277	11	881	7.52	24127	23708	10	795	8.33
7	Falcon HOT(62)	0.00	29.83	29.83	31065	30741	13	1031	6.42	27840	27479	11	921	7.19	24919	24514	10	822	8.06
8	Erection, Maintenance	1.77	29.83	29.88	51404	51208	21	1714	3.86	43799	43569	18	1458	4.54	28931	28582	12	956	6.92
9	Extreme Cold	0.00	29.83	29.83	54330	54146	22	1815	3.64	46364	46148	19	1547	4.28	29320	28976	12	971	6.82
10	Reduced Wind Swing	24.33	29.83	38.49	56159	55894	23	1452	4.56	49884	49586	21	1288	5.14	34535	34103	14	886	7.47
11	Max Wind Swing	64.95	29.83	71.47	82493	81954	34	1147	5.77	79575	79016	33	1106	5.99	58757	57998	24	812	8.16
12	CSA-BLOWOUT	9.03	29.83	31.17	35413	35111	15	1127	5.87	31411	31070	13	997	6.64	26681	26278	11	843	7.85
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	6.19	48.12	48.52	59485	59040	25	1217	5.44	54280	53792	22	1109	5.97	40189	39527	17	815	8.13
14	Galloping Sag, 0°C, no Wind, i=12.7mm	0.00	48.12	48.12	59153	58711	24	1220	5.42	53937	53452	22	1111	5.96	39941	39284	16	816	8.11
15	Catenary Limit (1600 m)	0.00	29.83	29.83	47929	47720	20	1600	4.14	40918	40672	17	1363	4.85	28391	28036	12	940	7.04
16	10% Winter Design Temp.	0.00	29.83	29.83	51334	51139	21	1714	3.86	43748	43519	18	1459	4.53	28900	28552	12	957	6.92

Sags for OPGW – Zones 1 (F1)
24 Fibres, Ø 14.5mm, RTS 142kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f1.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	7.90	7.90	20419	20336	14	2576	6.65	18510	18419	13	2333	7.34	15673	15565	11	1971	8.69
2	Max wind	14.21	7.90	16.26	33455	33277	23	2047	8.37	31956	31770	22	1954	8.76	28504	28296	20	1740	9.84
3	Wind+Ice	19.67	35.28	40.39	56728	55987	40	1386	12.36	56656	55914	40	1384	12.38	53324	52535	37	1301	13.18
4	Max ice	0.00	97.31	97.31	99486	96879	70	996	17.24	99486	96879	70	996	17.24	99486	96879	70	996	17.24
5	70% ice	0.00	55.93	55.93	69795	68573	49	1226	13.98	69795	68573	49	1226	13.98	67285	66017	47	1180	14.53
6	Pole Conductor HOT (85)	0.00	7.90	7.90	14825	14711	10	1863	9.19	13784	13661	10	1730	9.90	12316	12178	9	1542	11.11
7	Grackle HOT (72)	0.00	7.90	7.90	15453	15344	11	1943	8.81	14319	14201	10	1799	9.52	12708	12574	9	1593	10.76
8	Erection, Maintenance	0.65	7.90	7.92	23542	23470	17	2963	5.78	21225	21145	15	2669	6.41	17536	17439	12	2201	7.78
9	Extreme Cold	0.00	7.90	7.90	24435	24366	17	3086	5.55	22020	21943	15	2779	6.16	18066	17972	13	2276	7.52
10	Reduced Wind Swing	4.28	7.90	8.98	23980	23893	17	2661	6.43	21913	21818	15	2430	7.05	18518	18405	13	2050	8.35
11	Max Wind Swing	11.39	7.90	13.85	30511	30366	21	2192	7.81	28837	28684	20	2070	8.27	25399	25225	18	1821	9.41
12	CSA-BLOWOUT	3.34	7.90	8.57	18349	18244	13	2129	8.04	16921	16807	12	1961	8.73	14811	14681	10	1713	10.00
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	3.82	17.47	17.89	33694	33439	24	1869	9.16	32351	32086	23	1794	9.55	29236	28941	21	1618	10.59
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	17.47	17.47	33209	32960	23	1886	9.08	31842	31581	22	1807	9.48	28733	28445	20	1628	10.52
15	Catenary Limit (2000 m)	0.00	7.90	7.90	22401	22326	16	2828	6.05	20217	20134	14	2550	6.71	16836	16736	12	2120	8.08
16	10% Winter Design Temp.	0.00	7.90	7.90	23489	23417	16	2966	5.77	21181	21101	15	2673	6.41	17492	17395	12	2203	7.77

Sags for OPGW – Zones 2a, 2c (F2)

24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sll1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f2.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	15.91	15.91	42940	42894	15	2695	1.86	36079	36024	13	2264	2.21	25927	25850	9	1624	3.08
2	Max wind	42.64	15.91	45.52	69195	69007	25	1516	3.30	65161	64961	23	1427	3.50	55404	55169	20	1212	4.13
3	Wind+Ice	155.78	113.64	192.83	142103	140348	51	728	6.88	142103	140348	51	728	6.88	136521	134694	49	699	7.17
4	Max ice	0.00	339.61	339.61	200143	195589	72	576	8.70	200143	195589	72	576	8.70	200143	195589	72	576	8.70
5	70% ice	0.00	183.52	183.52	138311	136395	50	743	6.74	138311	136395	50	743	6.74	132378	130375	48	710	7.05
6	Pole Conductor HOT (85)	0.00	15.91	15.91	23322	23237	8	1460	3.43	20404	20307	7	1276	3.92	16877	16759	6	1053	4.75
7	Falcon HOT (62)	0.00	15.91	15.91	26963	26889	10	1690	2.96	23126	23041	8	1448	3.46	18517	18410	7	1157	4.33
8	Erection, Maintenance	0.93	15.91	15.94	53688	53651	19	3365	1.49	46209	46166	17	2896	1.73	32320	32259	12	2024	2.47
9	Extreme Cold	0.00	15.91	15.91	56754	56719	20	3564	1.40	49261	49221	18	3093	1.62	34415	34358	12	2159	2.32
10	Reduced Wind Swing	12.77	15.91	20.41	52736	52680	19	2582	1.94	46169	46104	17	2259	2.21	34373	34287	12	1680	2.98
11	Max Wind Swing	34.09	15.91	37.62	64079	63938	23	1699	2.94	59456	59304	21	1576	3.17	49338	49155	18	1306	3.83
12	CSA-BLOWOUT	4.74	15.91	16.61	32197	32131	12	1935	2.58	27336	27259	10	1642	3.05	21233	21134	8	1273	3.93
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	51956	51839	19	1852	2.70	46737	46607	17	1665	3.00	37578	37416	14	1337	3.74
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	51712	51597	19	1867	2.68	46467	46338	17	1677	2.98	37278	37118	13	1343	3.72
15	Catenary Limit (2000 m)	0.00	15.91	15.91	49921	49881	18	3134	1.60	42573	42527	15	2672	1.87	29910	29844	11	1875	2.67
16	10% Winter Design Temp.	0.00	15.91	15.91	53688	53651	19	3371	1.48	46209	46166	17	2901	1.72	32290	32229	12	2025	2.47

Sags for OPGW – Zone 3a(F3)
24 Fibres, Ø 14.5mm, RTS 142kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f3.LOA'

Ruling Span Sag Tension Report

#	Weather Case	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. Sag (m)	R.S. Final Cond. After Creep Max Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep Sag (m)	R.S. Final Cond. After Load Max Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load Sag (m)
1	EDT	0.00	7.90	7.90	20495	20418	14	2586	6.27	18506	18420	13	2333	6.95	15662	15561	11	1971	8.23
2	Max wind	18.71	7.90	20.31	37896	37669	27	1855	8.74	36613	36378	26	1791	9.05	33200	32941	23	1622	10.00
3	Wind+Ice	19.67	35.28	40.39	56091	55387	39	1371	11.83	55961	55256	39	1368	11.86	52710	51960	37	1286	12.61
4	Max ice	0.00	97.31	97.31	98009	95532	69	982	16.55	98009	95532	69	982	16.55	98009	95532	69	982	16.55
5	70% ice	0.00	55.93	55.93	68890	67730	48	1211	13.40	68890	67730	48	1211	13.40	66415	65212	47	1166	13.92
6	Pole Conductor HOT (85)	0.00	7.90	7.90	14705	14597	10	1849	8.77	13640	13524	10	1713	9.47	12191	12060	9	1528	10.62
7	Crackle HOT (72)	0.00	7.90	7.90	15354	15250	11	1932	8.39	14182	14070	10	1782	9.10	12593	12467	9	1579	10.27
8	Erection, Maintenance	0.65	7.90	7.92	23725	23658	17	2986	5.43	21324	21250	15	2682	6.04	17613	17523	12	2212	7.33
9	Extreme Cold	0.00	7.90	7.90	24670	24606	17	3117	5.20	22163	22091	16	2798	5.79	18173	18086	13	2291	7.08
10	Reduced Wind Swing	5.58	7.90	9.67	25043	24955	18	2581	6.28	22956	22860	16	2364	6.86	19554	19441	14	2010	8.06
11	Max Wind Swing	14.94	7.90	16.90	34079	33901	24	2006	8.08	32558	32372	23	1916	8.46	29159	28951	20	1713	9.46
12	CSA-BLOWOUT	3.34	7.90	8.57	18284	18185	13	2122	7.64	16814	16706	12	1949	8.32	14722	14600	10	1703	9.52
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	3.82	17.47	17.89	33475	33234	24	1858	8.73	32091	31840	23	1780	9.11	29027	28749	20	1607	10.09
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	17.47	17.47	33003	32768	23	1875	8.65	31603	31357	22	1795	9.03	28531	28259	20	1617	10.03
15	Catenary Limit (2000 m)	0.00	7.90	7.90	22544	22474	16	2846	5.69	20272	20194	14	2558	6.34	16884	16791	12	2127	7.62
16	10% Winter Design Temp.	0.00	7.90	7.90	23698	23632	17	2993	5.41	21280	21206	15	2686	6.03	17569	17479	12	2214	7.32

Sags for OPGW – Zone 10.8b (F4)

24 Fibres, Ø 14.5mm, RTS 142kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f4.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load (N/m) Hor.	Cable Load (N/m) Vert	Cable Load (N/m) Res.	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	7.90	7.90	19989	19868	14	2516	9.62	18514	18384	13	2328	10.40	15792	15640	11	1981	12.23
2	Max wind	14.21	7.90	16.26	34237	33992	24	2091	11.59	33003	32749	23	2014	12.03	29418	29133	21	1792	13.52
3	Wind+Ice	19.67	35.28	40.39	60897	59916	43	1483	16.34	60897	59916	43	1483	16.34	57308	56264	40	1393	17.41
4	Max ice	0.00	97.31	97.31	109175	105783	77	1087	22.34	109175	105783	77	1087	22.34	109175	105783	77	1087	22.34
5	70%ice	0.00	55.93	55.93	75614	74004	53	1323	18.33	75614	74004	53	1323	18.33	72970	71300	51	1275	19.03
6	Pole Conductor HOT(85)	0.00	7.90	7.90	15544	15389	11	1949	12.43	14672	14507	10	1837	13.19	13087	12903	9	1634	14.83
7	Erection, Maintenance	0.65	7.90	7.92	22367	22259	16	2810	8.62	20597	20479	14	2585	9.37	17200	17059	12	2153	11.25
8	Extreme Cold	0.00	7.90	7.90	23035	22930	16	2904	8.34	21178	21064	15	2668	9.08	17568	17431	12	2208	10.97
9	Reduced Wind Swing	4.28	7.90	8.98	23341	23214	16	2585	9.37	21727	21591	15	2404	10.07	18484	18324	13	2041	11.87
10	Max Wind Swing	11.39	7.90	13.85	30861	30659	22	2213	10.95	29504	29293	21	2114	11.46	26006	25766	18	1860	13.03
11	CSA-BLOWOUT	3.34	7.90	8.57	18714	18567	13	2166	11.18	17559	17403	12	2030	11.93	15402	15224	11	1776	13.64
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	3.82	17.47	17.89	35012	34662	25	1938	12.50	33915	33554	24	1876	12.92	30595	30194	21	1688	14.36
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	17.47	17.47	34470	34127	24	1953	12.40	33346	32991	23	1888	12.83	30048	29654	21	1697	14.28
14	Catenary Limit (2000 m)	0.00	7.90	7.90	20714	20597	15	2609	9.28	19147	19021	13	2409	10.05	16213	16064	11	2035	11.91
15	10% Winter Design Temp.	0.00	7.90	7.90	21092	20978	15	2657	9.11	19474	19351	14	2451	9.88	16437	16291	12	2063	11.74

Sags for OPGW – Zone 4a, 6, 8a (F5), and Zone 4b (F10)

24 Fibres, Ø 14.5mm, RTS 142kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f5.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	7.90	7.90	20038	19924	14	2524	9.16	18515	18392	13	2329	9.93	15764	15620	11	1978	11.69
2	Max wind	18.71	7.90	20.31	39351	39041	28	1923	12.03	38320	38002	27	1871	12.36	34658	34305	24	1689	13.70
3	Wind+ice	19.67	35.28	40.39	60331	59391	42	1470	15.75	60331	59391	42	1470	15.75	56755	55755	40	1380	16.78
4	Max ice	0.00	97.31	97.31	107820	104570	76	1075	21.58	107820	104570	76	1075	21.58	107820	104570	76	1075	21.58
5	70% ice	0.00	55.93	55.93	74809	73269	53	1310	17.68	74809	73269	53	1310	17.68	72181	70584	51	1262	18.36
6	Pole Conductor HOT(85)	0.00	7.90	7.90	15451	15303	11	1938	11.94	14554	14398	10	1824	12.69	12982	12805	9	1622	14.27
7	Erection, Maintenance	0.65	7.90	7.92	22509	22408	16	2828	8.18	20678	20567	15	2596	8.91	17223	17090	12	2157	10.72
8	Extreme Cold	0.00	7.90	7.90	23203	23105	16	2926	7.90	21281	21174	15	2682	8.62	17613	17484	12	2214	10.45
9	Reduced Wind Swing	5.58	7.90	9.67	24539	24410	17	2524	9.16	22900	22762	16	2354	9.83	19585	19424	14	2009	11.52
10	Max Wind Swing	14.94	7.90	16.90	34977	34731	25	2056	11.25	33751	33496	24	1982	11.67	30160	29874	21	1768	13.09
11	CSA-BLOWOUT	3.34	7.90	8.57	18661	18522	13	2161	10.70	17478	17330	12	2022	11.44	15322	15153	11	1768	13.09
12	Galloping swing, 0°C, pw=95.8Pa, i=12.7mm	3.82	17.47	17.89	34837	34504	24	1929	11.99	33702	33358	24	1865	12.41	30405	30023	21	1678	13.79
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	17.47	17.47	34295	33969	24	1944	11.90	33148	32811	23	1878	12.32	29865	29490	21	1688	13.71
14	Catenary Limit (2000 m)	0.00	7.90	7.90	20796	20686	15	2620	8.83	19162	19043	13	2412	9.59	16206	16066	11	2035	11.37
15	10% Winter Design Temp.	0.00	7.90	7.90	21188	21080	15	2670	8.66	19512	19395	14	2457	9.41	16439	16300	12	2064	11.21

Sags for OPGW – Zone 7B (F6)
24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sl11300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f6.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	15.91	15.91	42194	42127	15	2647	2.50	36074	35995	13	2262	2.92	25687	25576	9	1607	4.12
2	Max wind	71.28	15.91	73.03	90329	89839	33	1230	5.38	88386	87885	32	1203	5.50	78180	77613	28	1063	6.23
3	Wind+Ice	253.75	113.64	278.03	190942	187408	69	674	9.83	190942	187408	69	674	9.83	188596	185017	68	665	9.96
4	Max ice	0.00	339.61	339.61	217570	211522	78	623	10.65	217570	211522	78	623	10.65	217570	211522	78	623	10.65
5	70% ice	0.00	183.52	183.52	149091	146527	54	798	8.30	149091	146527	54	798	8.30	142681	140001	51	763	8.68
6	Pole Conductor HOT(85)	0.00	15.91	15.91	24689	24573	9	1544	4.28	21975	21845	8	1373	4.82	17966	17806	6	1119	5.92
7	Erection, Maintenance	0.93	15.91	15.94	52085	52030	19	3264	2.03	45156	45092	16	2829	2.34	30763	30670	11	1924	3.44
8	Extreme Cold	0.00	15.91	15.91	54942	54890	20	3449	1.92	47908	47849	17	3007	2.20	32410	32321	12	2031	3.26
9	Reduced Wind Swing	21.42	15.91	26.69	57180	57065	21	2138	3.09	52012	51885	19	1944	3.40	40311	40148	15	1504	4.40
10	CSA-BLOWOUT	4.74	15.91	16.61	32822	32730	12	1971	3.36	28501	28394	10	1710	3.87	21953	21814	8	1314	5.04
11	Max Wind Swing	57.06	15.91	59.24	81204	80842	29	1365	4.85	78481	78106	28	1318	5.02	68076	67644	25	1142	5.80
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	52936	52770	19	1885	3.51	48277	48096	17	1718	3.85	38438	38210	14	1365	4.85
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	52666	52502	19	1899	3.48	47948	47768	17	1728	3.83	38079	37852	14	1369	4.83
14	Catenary Limit (2000 m)	0.00	15.91	15.91	45339	45277	16	2845	2.32	38812	38739	14	2434	2.72	27170	27065	10	1701	3.89
15	10% Winter Design Temp.	0.00	15.91	15.91	46963	46902	17	2947	2.24	40271	40200	15	2526	2.62	27971	27869	10	1751	3.78

Sags for OPGW – Zone 9,11a (F7), and Zone 11b (F8)

24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sl11300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f7.LOA'

Ruling Span Sag Tension Report

#	Description	Weather Case Hor. (N/m)	Weather Case Vert (N/m)	Weather Case Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	EDT	0.00	15.91	15.91	39852	39698	14	2494	6.14	36066	35895	13	2255	6.79	30021	29816	11	1873	8.18
2	Max wind	31.21	15.91	35.03	68004	67648	24	1931	7.94	65116	64744	23	1848	8.29	57703	57283	21	1635	9.37
3	Wind+Ice	33.73	97.76	103.41	128841	126867	46	1227	12.50	128841	126867	46	1227	12.50	122531	120454	44	1165	13.17
4	Max Ice	0.00	214.70	214.70	205674	200177	74	932	16.47	205674	200177	74	932	16.47	205674	200177	74	932	16.47
5	70% ice	0.00	122.31	122.31	143391	140843	52	1151	13.32	143391	140843	52	1151	13.32	138145	135499	50	1108	13.85
6	Pole Conductor HOT(85)	0.00	15.91	15.91	28582	28367	10	1782	8.60	26574	26342	10	1655	9.26	23514	23252	8	1461	10.49
7	Erection, Maintenance	0.93	15.91	15.94	46188	46055	17	2889	5.30	41558	41409	15	2598	5.90	33661	33477	12	2100	7.30
8	Extreme Cold	0.00	15.91	15.91	48114	47987	17	3015	5.08	43263	43121	16	2709	5.65	34738	34562	13	2172	7.05
9	Reduced Wind Swing	9.37	15.91	18.47	47486	47322	17	2562	5.98	43375	43196	16	2339	6.55	36105	35890	13	1943	7.89
10	Max Wind Swing	24.93	15.91	29.57	61669	61382	22	2076	7.38	58414	58111	21	1965	7.80	51043	50696	18	1714	8.94
11	CSA-BLOWOUT	4.74	15.91	16.61	34575	34386	12	2071	7.40	31784	31577	11	1902	8.06	27411	27171	10	1636	9.37
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	56141	55804	20	1994	7.69	53044	52688	19	1882	8.14	46532	46125	17	1648	9.30
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	55709	55377	20	2003	7.65	52594	52241	19	1890	8.11	46097	45694	17	1653	9.27
14	Catenary Limit (2000 m)	0.00	15.91	15.91	41805	41658	15	2618	5.85	37727	37564	14	2360	6.49	31115	30917	11	1943	7.89
15	10% Winter Design Temp.	0.00	15.91	15.91	42834	42691	15	2682	5.71	38617	38458	14	2416	6.34	31706	31512	11	1980	7.74

Sags for OPGW – Zone 7a, 7c (F9)

24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f9.LOA'

Ruling Span Sag Tension Report

Weather Case	Cable Load			R.S. Initial Cond.					R.S. Final Cond. After Creep					R.S. Final Cond. After Load				
# Description	Hor.	Vert	Res.	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag	Max. Tens.	Hori. Tens.	Max Ten	C	R.S. Sag
	Load (N/m)			(N)	(N)	%UL	(m)	(m)	(N)	(N)	%UL	(m)	(m)	(N)	(N)	%UL	(m)	(m)
1 EDT	0.00	15.91	15.91	41762	41687	15	2619	2.98	36078	35991	13	2261	3.46	28567	28457	10	1788	4.37
2 Max wind	71.28	15.91	73.03	93157	92606	34	1268	6.17	91465	90904	33	1245	6.28	84117	83507	30	1143	6.84
3 Wind+Ice	222.15	90.44	239.85	182528	179389	66	748	10.47	182528	179389	66	748	10.47	181821	178670	66	745	10.51
4 Max ice	0.00	256.21	256.21	190994	186682	69	729	10.75	190994	186682	69	729	10.75	190994	186682	69	729	10.75
5 70% ice	0.00	141.33	141.33	132919	131042	48	927	8.44	132919	131042	48	927	8.44	127623	125667	46	889	8.80
6 Pole Conductor HOT(85)	0.00	15.91	15.91	25480	25357	9	1593	4.91	22904	22766	8	1430	5.46	19881	19723	7	1239	6.31
7 Erection, Maintenance	0.93	15.91	15.94	51010	50948	18	3196	2.44	44443	44372	16	2783	2.81	34152	34059	12	2136	3.66
8 Extreme Cold	0.00	15.91	15.91	53762	53704	19	3374	2.32	47016	46949	17	2950	2.65	35948	35860	13	2253	3.47
9 Reduced Wind Swing	21.42	15.91	26.69	57349	57218	21	2144	3.65	52558	52415	19	1964	3.98	44152	43982	16	1648	4.74
10 Max Wind Swing	57.06	15.91	59.24	83385	82977	30	1401	5.58	80955	80535	29	1359	5.75	73454	72991	26	1232	6.35
11 CSA-BLOWOUT	4.74	15.91	16.61	33184	33082	12	1992	3.92	29177	29062	11	1750	4.47	24340	24202	9	1457	5.36
12 Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	53562	53381	19	1907	4.10	49210	49013	18	1751	4.46	42095	41865	15	1496	5.23
13 Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	53238	53060	19	1920	4.07	48880	48686	18	1761	4.44	41735	41507	15	1502	5.21
14 Catenary Limit (2000 m)	0.00	15.91	15.91	44637	44567	16	2800	2.79	38607	38526	14	2421	3.23	30200	30095	11	1891	4.13
15 10% Winter Design Temp.	0.00	15.91	15.91	46153	46085	17	2896	2.70	39946	39868	14	2505	3.12	31120	31019	11	1949	4.01

Sags for OPGW – Zone 3b (F10)

48 Fibres, Ø 14.5mm, RTS 134kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f10_3b_1b.LOA'

Ruling Span Sag Tension Report

#	Weather Case	Cable Load (N/m) Hor.	Vert	Res.	R.S. Initial Cond. Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	Hori. Tens. (N)	Max Ten %UL	C (m)	R.S. Sag (m)
1	EDT	0.00	7.57	7.57	18862	18751	14	2477	9.34	17460	17340	13	2290	10.10	14762	14619	11	1931	11.98
2	Max wind	18.71	7.57	20.18	36835	36509	27	1809	12.79	35933	35599	27	1764	13.12	32532	32163	24	1594	14.52
3	Wind+ice	19.67	34.95	40.11	58274	57315	43	1429	16.20	58274	57315	43	1429	16.20	54810	53789	41	1341	17.27
4	Max ice	0.00	96.98	96.98	104892	101571	78	1047	22.15	104892	101571	78	1047	22.15	104892	101571	78	1047	22.15
5	70% ice	0.00	55.60	55.60	72450	70878	54	1275	18.17	72450	70878	54	1275	18.17	69899	68267	52	1228	18.87
6	Pole Conductor HOT(85)	0.00	7.57	7.57	18321	18207	14	2405	9.62	16984	16861	13	2227	10.39	14449	14304	11	1889	12.25
7	Erection, Maintenance	0.65	7.57	7.60	19110	19000	14	2500	9.25	17685	17566	13	2312	10.01	14925	14784	11	1945	11.89
8	Extreme Cold	0.00	7.57	7.57	19117	19008	14	2511	9.21	17679	17560	13	2319	9.97	14912	14772	11	1951	11.86
9	Reduced Wind Swing	5.58	7.57	9.41	22022	21887	16	2327	9.94	20653	20509	15	2180	10.61	17744	17576	13	1868	12.38
10	Max Wind Swing	14.93	7.57	16.74	32504	32245	24	1926	12.01	31434	31166	23	1861	12.43	28141	27841	21	1663	13.92
11	CSA-BLOWOUT	3.34	7.57	8.27	19786	19664	15	2377	9.73	18425	18294	14	2211	10.46	15734	15580	12	1883	12.29
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	3.82	17.15	17.57	33497	33163	25	1888	12.26	32471	32126	24	1829	12.65	29178	28794	22	1639	14.12
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	17.15	17.15	32953	32626	25	1903	12.16	31909	31571	24	1841	12.57	28636	28259	21	1648	14.04
14	Catenary Limit (2000 m)	0.00	7.57	7.57	18998	18888	14	2495	9.27	17576	17456	13	2306	10.03	14843	14702	11	1942	11.91
15	10% Winter Design Temp.	0.00	7.57	7.57	19060	18950	14	2503	9.24	17630	17511	13	2313	10.00	14877	14736	11	1946	11.89

Sags for OPGW – Zone 2a and 2c (F11)

24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f11.LOA'

Ruling Span Sag Tension Report

#	Description	Weather Case: Hor. Load (N/m)	Weather Case: Vert Load (N/m)	Weather Case: Res. Load (N/m)	R.S. Initial Cond.: Max. Tens. (N)	R.S. Initial Cond.: Hori. Tens. (N)	R.S. Initial Cond.: Max Ten %UL	R.S. Initial Cond.: C (m)	R.S. Initial Cond.: R.S. Sag (m)	R.S. Final Cond. After Creep: Max. Tens. (N)	R.S. Final Cond. After Creep: Hori. Tens. (N)	R.S. Final Cond. After Creep: Max Ten %UL	R.S. Final Cond. After Creep: C (m)	R.S. Final Cond. After Creep: R.S. Sag (m)	R.S. Final Cond. After Load: Max. Tens. (N)	R.S. Final Cond. After Load: Hori. Tens. (N)	R.S. Final Cond. After Load: Max Ten %UL	R.S. Final Cond. After Load: C (m)	R.S. Final Cond. After Load: R.S. Sag (m)
1	EDT	0.00	15.91	15.91	42194	42127	15	2647	2.50	36074	35995	13	2262	2.92	28784	28685	10	1802	3.67
2	Max wind	42.64	15.91	45.52	71502	71255	26	1566	4.23	67985	67726	24	1488	4.45	60820	60529	22	1330	4.98
3	Wind+Ice	136.38	90.44	163.64	138778	137014	50	837	7.91	138778	137014	50	837	7.91	134714	132896	49	812	8.16
4	Max ice	0.00	256.21	256.21	182547	178455	66	697	9.52	182547	178455	66	697	9.52	182547	178455	66	697	9.52
5	70% ice	0.00	141.33	141.33	127615	125842	46	890	7.44	127615	125842	46	890	7.44	122581	120734	44	854	7.75
6	Pole Conductor HOT(85)	0.00	15.91	15.91	24689	24573	9	1544	4.28	21975	21845	8	1373	4.82	19211	19062	7	1198	5.52
7	Falcon HOT(62)	0.00	15.91	15.91	27979	27877	10	1752	3.78	24832	24415	9	1534	4.31	20991	20855	8	1310	5.05
8	Erection, Maintenance	0.93	15.91	15.94	52085	52030	19	3264	2.03	45156	45092	16	2829	2.34	35205	35124	13	2203	3.00
9	Extreme Cold	0.00	15.91	15.91	54942	54890	20	3449	1.92	47908	47849	17	3007	2.20	37240	37164	13	2335	2.83
10	Reduced Wind Swing	12.77	15.91	20.41	52160	52080	19	2552	2.59	46165	46074	17	2258	2.93	37709	37598	14	1842	3.59
11	Max Wind Swing	34.09	15.91	37.62	65650	65463	24	1740	3.80	61526	61326	22	1630	4.06	54120	53892	19	1432	4.62
12	CSA-BLOWOUT	4.74	15.91	16.61	32822	32730	12	1971	3.36	28501	28394	10	1710	3.87	23930	23803	9	1433	4.62
13	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	52936	52770	19	1885	3.51	48277	48096	17	1718	3.85	41592	41381	15	1478	4.47
14	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	52666	52502	19	1899	3.48	47948	47768	17	1728	3.83	41247	41038	15	1485	4.46
15	Catenary Limit (2000 m)	0.00	15.91	15.91	48610	48551	18	3051	2.17	41820	41751	15	2623	2.52	32796	32709	12	2055	3.22
16	10% Winter Design Temp.	0.00	15.91	15.91	52085	52030	19	3269	2.02	45096	45033	16	2830	2.34	35145	35064	13	2203	3.00

Sags for OPGW – Zone 5 (F12)

24 Fibres, Ø 20.6mm, RTS 277kN

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SNC-Lavalin ATP Inc.
Project Name: '\\sli1300\projects\505573\comp4-trans\40-eng\4z-lines\5-320kvdc\design criteria\hvdc transmission line design criteria\appendix _ sag report\pls\f12.LOA'

Ruling Span Sag Tension Report

#	Weather Case Description	Cable Load Hor. (N/m)	Cable Load Vert (N/m)	Cable Load Res. (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load Sag (m)
1	EDT	0.00	15.91	15.91	41120	41026	15	2578	3.80	36068	35961	13	2260	4.34	28425	28288	10	1777	5.52
2	Max wind	50.47	15.91	52.92	81345	80920	29	1529	6.41	78884	78445	28	1482	6.62	70565	70074	25	1324	7.41
3	Wind+Ice	159.58	90.44	183.42	164609	161969	59	883	11.12	164609	161969	59	883	11.12	161076	158377	58	863	11.37
4	Max ice	0.00	256.21	256.21	203471	198470	73	775	12.69	203471	198470	73	775	12.69	203471	198470	73	775	12.69
5	70% ice	0.00	141.33	141.33	140655	138464	51	980	10.02	140655	138464	51	980	10.02	134997	132712	49	939	10.46
6	Pole Conductor HOT(85)	0.00	15.91	15.91	26560	26413	10	1660	5.91	24166	24005	9	1508	6.50	20823	20636	8	1297	7.57
7	Erection, Maintenance	0.93	15.91	15.94	49454	49376	18	3097	3.16	43476	43386	16	2721	3.60	33083	32965	12	2068	4.74
8	Extreme Cold	0.00	15.91	15.91	51941	51867	19	3259	3.01	45780	45695	16	2871	3.41	34550	34437	12	2164	4.53
9	Reduced Wind Swing	15.14	15.91	21.97	52861	52735	19	2401	4.08	47993	47854	17	2178	4.50	38976	38805	14	1767	5.55
10	Max Wind Swing	40.38	15.91	43.40	73230	72909	26	1680	5.84	70188	69853	25	1610	6.09	61731	61350	22	1414	6.94
11	CSA-BLOWOUT	4.74	15.91	16.61	33665	33542	12	2020	4.85	30095	29957	11	1804	5.43	24976	24809	9	1494	6.56
12	Galloping Swing, 0°C, pw=95.8Pa, i=12.7mm	4.41	27.64	27.99	54422	54202	20	1937	5.06	50528	50291	18	1797	5.46	42923	42644	15	1524	6.44
13	Galloping Sag, 0°C, no wind, i=12.7mm	0.00	27.64	27.64	54070	53854	19	1948	5.03	50138	49904	18	1806	5.43	42533	42257	15	1529	6.41
14	Catenary Limit (2000 m)	0.00	15.91	15.91	43698	43609	16	2740	3.58	38298	38197	14	2400	4.08	29818	29688	11	1865	5.26
15	10% Winter Design Temp.	0.00	15.91	15.91	45079	44993	16	2827	3.47	39518	39420	14	2477	3.96	30560	30432	11	1912	5.13

TL267
conductor 804 kcmil aacsr compact a1-a3-s3a.wir'
RS=300 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	43.23	21.67	48.36	68908	68525	24	1417	7.95	67621	67231	24	1390	8.1	60068	59629	21	1233	9.13
2	2	Max Wind Swing	34.59	21.67	40.82	61238	60931	22	1493	7.54	59739	59424	21	1456	7.73	52454	52095	18	1276	8.82
3	3	Reduced Wind	12.97	21.67	25.26	43657	43492	15	1722	6.54	41790	41618	15	1648	6.83	35551	35348	13	1399	8.05
4	4	Wind & Ice	36.51	112.93	118.68	124171	122888	44	1035	10.88	123456	122165	44	1029	10.95	117055	115694	41	975	11.56
5	5	Max Ice (75mm)	0	236.14	236.14	195754	192522	69	815	13.84	195754	192522	69	815	13.84	195754	192522	69	815	13.84
6	6	Cold (-38C)	0	21.67	21.67	42913	42790	15	1974	5.7	40816	40686	14	1877	6	33415	33256	12	1535	7.34
7	7	EDT	0	21.67	21.67	35658	35509	13	1638	6.87	33945	33789	12	1559	7.22	30277	30102	11	1389	8.11
8	8	Max temperature (100C)	0	21.67	21.67	25374	25165	9	1161	9.7	25043	24832	9	1146	9.83	24893	24680	9	1139	9.89
9	9	Galloping Sag	0	36.05	36.05	52483	52204	18	1448	7.78	50841	50552	18	1402	8.03	44783	44455	16	1233	9.14
10	10	Galloping Swing	5.13	36.05	36.42	52866	52583	19	1444	7.8	51240	50948	18	1399	8.05	45164	44833	16	1231	9.15
11	11	Blow-Out ROW	6.47	21.67	22.62	31578	31395	11	1388	8.11	30256	30065	11	1329	8.47	28785	28584	10	1264	8.91
12	12	catenary limit	0	21.67	21.67	39136	39000	14	1800	6.26	37202	37059	13	1710	6.58	31724	31557	11	1456	7.73
13	13	-5C	0	21.67	21.67	36466	36321	13	1676	6.72	34696	34544	12	1594	7.06	30623	30450	11	1405	8.01
14	14	-15C	0	21.67	21.67	38197	38059	13	1756	6.41	36324	36179	13	1669	6.74	31347	31178	11	1439	7.83
15	15	30C	0	21.67	21.67	31586	31419	11	1450	7.77	30181	30006	11	1385	8.13	28372	28185	10	1301	8.66
16	16	40C	0	21.67	21.67	30455	30281	11	1397	8.06	29149	28967	10	1337	8.43	27802	27611	10	1274	8.84

conductor 804 kcmil aacsr compact a1-a3-s3a.wir'
RS=400 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	27.33	21.67	34.88	62320	61928	22	1776	11.28	60718	60316	21	1729	11.58	58191	57771	21	1656	12.09
2	2	Max Wind Swing	21.87	21.67	30.79	56803	56468	20	1834	10.92	55104	54759	19	1779	11.26	52667	52305	19	1699	11.79
3	3	Reduced Wind	8.19	21.67	23.17	45830	45595	16	1968	10.17	44010	43765	16	1889	10.6	41787	41530	15	1793	11.17
4	4	Wind & Ice	23.44	58.51	63.03	93211	92355	33	1465	13.67	92404	91540	33	1452	13.79	89700	88810	32	1409	14.22
5	5	Max Ice (50 mm)	0	130	130	155693	153507	55	1181	16.98	155067	152872	55	1176	17.05	155693	153507	55	1181	16.98
6	6	Cold (-38C)	0	21.67	21.67	46601	46399	16	2141	9.35	44667	44456	16	2051	9.76	42119	41895	15	1933	10.36
7	7	EDT	0	21.67	21.67	40647	40415	14	1865	10.73	38956	38714	14	1786	11.21	37112	36858	13	1701	11.77
8	8	Max temperature (100C)	0	21.67	21.67	31044	30740	11	1418	14.12	30331	30020	11	1385	14.46	30617	30309	11	1399	14.33
9	9	Galloping Sag	0	36.05	36.05	60658	60228	21	1671	11.99	59048	58606	21	1626	12.32	56810	56350	20	1563	12.81
10	10	Galloping Swing	5.13	36.05	36.42	61136	60701	22	1667	12.01	59521	59073	21	1622	12.34	57264	56799	20	1560	12.84
11	11	Blow-Out ROW	6.47	21.67	22.62	37340	37065	13	1639	12.22	35931	35645	13	1576	12.71	34740	34444	12	1523	13.15
12	12	catenary limit	0	21.67	21.67	43550	43334	15	2000	10.01	41723	41497	15	1915	10.45	39554	39316	14	1814	11.04
13	13	-5C	0	21.67	21.67	41324	41096	15	1896	10.56	39616	39378	14	1817	11.02	37682	37432	13	1727	11.59
14	14	-15C	0	21.67	21.67	42776	42556	15	1964	10.19	40990	40760	14	1881	10.64	38903	38661	14	1784	11.22
15	15	30C	0	21.67	21.67	37033	36779	13	1697	11.8	35573	35308	13	1629	12.29	34114	33838	12	1561	12.83
16	16	40C	0	21.67	21.67	35997	35735	13	1649	12.14	34614	34341	12	1585	12.64	33555	33274	12	1535	13.04

TL267
ohsw 3/4-19_strand_ehs_steel.wir
RS=300 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	29.26	16.86	33.77	53135	52893	20	1566	7.19	53135	52893	20	1566	7.19	45535	45252	18	1340	8.4
2	2	Max Wind Swing	23.41	16.86	28.85	47837	47641	18	1651	6.82	47837	47641	18	1651	6.82	40267	40034	16	1388	8.11
3	3	Reduced Wind	8.78	16.86	19.01	36228	36115	14	1900	5.92	36228	36115	14	1900	5.92	28855	28714	11	1511	7.45
4	4	Wind & Ice	33.7	96.77	102.46	109608	108525	42	1059	10.64	109608	108525	42	1059	10.64	103004	101851	40	994	11.34
5	5	Max Ice (75mm)	0	212.42	212.42	175032	172107	67	810	13.92	175032	172107	67	810	13.92	175032	172107	67	810	13.92
6	6	Cold (-38C)	0	16.86	16.86	36021	35932	14	2132	5.28	36021	35932	14	2132	5.28	27675	27560	11	1635	6.89
7	7	EDT	0	16.86	16.86	31020	30917	12	1834	6.14	31020	30917	12	1834	6.14	24723	24593	10	1459	7.72
8	8	Max temperature (100C)	0	16.86	16.86	23069	22930	9	1360	8.28	22933	22794	9	1352	8.33	19728	19566	8	1161	9.71
9	9	Galloping Sag	0	28.04	28.04	44416	44216	17	1577	7.14	44416	44216	17	1577	7.14	37629	37394	15	1334	8.44
10	10	Galloping Swing	4.26	28.04	28.36	44764	44562	17	1571	7.16	44764	44562	17	1571	7.16	37978	37739	15	1331	8.46
11	11	Blow-Out ROW	4.38	16.86	17.42	27840	27717	11	1591	7.07	27774	27651	11	1588	7.09	23000	22851	9	1312	8.58
12	12	catenary limit	0	16.86	16.86	33463	33367	13	1980	5.69	33463	33367	13	1980	5.69	26174	26052	10	1546	7.28
13	13	-5C	0	16.86	16.86	31587	31486	12	1868	6.03	31587	31486	12	1868	6.03	25061	24933	10	1479	7.61
14	14	-15C	0	16.86	16.86	32828	32730	13	1942	5.8	32828	32730	13	1942	5.8	25786	25662	10	1522	7.4
15	15	30C	0	16.86	16.86	28013	27899	11	1655	6.8	27926	27812	11	1650	6.82	22885	22745	9	1349	8.35
16	16	40C	0	16.86	16.86	27149	27031	10	1604	7.02	27049	26931	10	1598	7.05	22354	22211	9	1318	8.55

ohsw 3/4-19_strand_ehs_steel.wir
RS=400 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	18.5	16.86	25.03	47616	47352	18	1892	10.58	47616	47352	18	1892	10.58	44968	44689	17	1786	11.21
2	2	Max Wind Swing	14.8	16.86	22.43	43947	43717	17	1949	10.27	43947	43717	17	1949	10.27	41282	41038	16	1829	10.94
3	3	Reduced Wind	5.54	16.86	17.74	36939	36768	14	2072	9.66	36939	36768	14	2072	9.66	34277	34092	13	1921	10.42
4	4	Wind & Ice	20.71	47.39	51.72	78784	78102	30	1510	13.26	78784	78102	30	1510	13.26	76493	75790	29	1465	13.67
5	5	Max Ice (50 mm)	0	112.57	112.57	136061	134185	52	1192	16.82	136061	134185	52	1192	16.82	136061	134185	52	1192	16.82
6	6	Cold (-38C)	0	16.86	16.86	37471	37319	14	2214	9.04	37471	37319	14	2214	9.04	34529	34364	13	2039	9.82
7	7	EDT	0	16.86	16.86	33685	33516	13	1988	10.07	33685	33516	13	1988	10.07	31304	31122	12	1846	10.84
8	8	Max temperature (100C)	0	16.86	16.86	27002	26791	10	1589	12.6	26908	26696	10	1584	12.64	25538	25314	10	1502	13.34
9	9	Galloping Sag	0	28.04	28.04	49674	49356	19	1761	11.37	49674	49356	19	1761	11.37	47237	46904	18	1673	11.97
10	10	Galloping Swing	4.26	28.04	28.36	50093	49771	19	1755	11.41	50093	49771	19	1755	11.41	47673	47334	18	1669	12
11	11	Blow-Out ROW	4.38	16.86	17.42	31382	31188	12	1791	11.18	31337	31142	12	1788	11.2	29432	29225	11	1678	11.93
12	12	catenary limit	0	16.86	16.86	35557	35397	14	2100	9.53	35557	35397	14	2100	9.53	32899	32726	13	1942	10.31
13	13	-5C	0	16.86	16.86	34126	33959	13	2015	9.94	34126	33959	13	2015	9.94	31678	31498	12	1869	10.71
14	14	-15C	0	16.86	16.86	35075	34913	14	2071	9.66	35075	34913	14	2071	9.66	32482	32307	13	1917	10.44
15	15	30C	0	16.86	16.86	31271	31089	12	1844	10.85	31213	31031	12	1841	10.87	29237	29042	11	1723	11.62
16	16	40C	0	16.86	16.86	30553	30366	12	1802	11.11	30495	30308	12	1798	11.13	28619	28420	11	1686	11.88

TL267
opgw opgw design for 135mm ice zone
RS=300 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	31.64	15.91	35.42	54417	54157	20	1529	7.36	52492	52222	19	1474	7.64	47766	47470	17	1340	8.4
2	2	Max Wind Swing	25.32	15.91	29.9	48537	48329	17	1616	6.97	46445	46228	17	1546	7.28	41867	41626	15	1392	8.09
3	3	Reduced Wind	9.5	15.91	18.53	35054	34944	13	1885	5.97	32711	32592	12	1759	6.4	28578	28442	10	1535	7.34
4	4	Wind & Ice	34.18	97.76	103.56	109361	108252	39	1045	10.78	109361	108252	39	1045	10.78	104666	103506	38	999	11.28
5	5	Max Ice (75mm)	0	214.7	214.7	177969	175031	64	815	13.84	177969	175031	64	815	13.84	177969	175031	64	815	13.84
6	6	Cold (-38C)	0	15.91	15.91	34464	34381	12	2160	5.21	31680	31590	11	1985	5.67	26964	26858	10	1688	6.67
7	7	EDT	0	15.91	15.91	28941	28842	10	1812	6.21	26907	26801	10	1684	6.69	23594	23473	9	1475	7.63
8	8	Max temperature (100C)	0	15.91	15.91	20839	20701	8	1301	8.66	19868	19724	7	1239	9.09	18291	18134	7	1139	9.89
9	9	Galloping Sag	0	27.64	27.64	43253	43054	16	1558	7.23	41315	41107	15	1487	7.57	37349	37118	13	1343	8.39
10	10	Galloping Swing	4.41	27.64	27.99	43636	43433	16	1552	7.26	41705	41493	15	1482	7.6	37739	37505	14	1340	8.4
11	11	Blow-Out ROW	4.74	15.91	16.61	25760	25639	9	1544	7.29	24271	24143	9	1454	7.74	21832	21689	8	1306	8.62
12	12	catenary limit	0	15.91	15.91	31596	31506	11	1980	5.69	29190	29092	11	1828	6.16	25235	25122	9	1578	7.13
13	13	-5C	0	15.91	15.91	29557	29460	11	1851	6.08	27440	27336	10	1718	6.55	23978	23859	9	1499	7.51
14	14	-15C	0	15.91	15.91	30885	30792	11	1935	5.82	28581	28482	10	1790	6.29	24791	24676	9	1550	7.26
15	15	30C	0	15.91	15.91	25762	25651	9	1612	6.98	24169	24051	9	1511	7.45	21596	21464	8	1349	8.35
16	16	40C	0	15.91	15.91	24885	24770	9	1556	7.23	23401	23279	8	1463	7.7	21022	20886	8	1312	8.58

opgw opgw design for 135mm ice zone
RS=400 m

Row #	Weather Case #	Weather Case Description	Cable Load Hor. Load (N/m)	Cable Load Vert Load (N/m)	Cable Load Res. Load (N/m)	R.S. Initial Cond. Max. Tens. (N)	R.S. Initial Cond. Hori. Tens. (N)	R.S. Initial Cond. Max Ten %UL	R.S. Initial Cond. C (m)	R.S. Initial Cond. R.S. Sag (m)	R.S. Final Cond. After Creep Max. Tens. (N)	R.S. Final Cond. After Creep Hori. Tens. (N)	R.S. Final Cond. After Creep Max Ten %UL	R.S. Final Cond. After Creep C (m)	R.S. Final Cond. After Creep R.S. Sag (m)	R.S. Final Cond. After Load Max. Tens. (N)	R.S. Final Cond. After Load Hori. Tens. (N)	R.S. Final Cond. After Load Max Ten %UL	R.S. Final Cond. After Load C (m)	R.S. Final Cond. After Load R.S. Sag (m)
1	1	Max Wind Load	20	15.91	25.56	47920	47647	17	1864	10.74	46041	45757	17	1790	11.18	44644	44351	16	1735	11.54
2	2	Max Wind Swing	16.01	15.91	22.57	43694	43460	16	1925	10.4	41763	41519	15	1839	10.88	40426	40173	15	1780	11.25
3	3	Reduced Wind	5.99	15.91	17.01	35314	35150	13	2067	9.68	33347	33173	12	1951	10.26	32113	31932	12	1878	10.66
4	4	Wind & Ice	21.18	47.52	52.03	78318	77623	28	1492	13.43	77232	76528	28	1471	13.62	75673	74954	27	1441	13.9
5	5	Max Ice (50 mm)	0	113.78	113.78	136343	134431	49	1181	16.97	136343	134431	49	1181	16.97	136343	134431	49	1181	16.97
6	6	Cold (-38C)	0	15.91	15.91	35673	35531	13	2233	8.96	33455	33303	12	2093	9.56	32087	31928	12	2006	9.98
7	7	EDT	0	15.91	15.91	31548	31387	11	1972	10.15	29818	29648	11	1863	10.75	28778	28602	10	1797	11.14
8	8	Max temperature (100C)	0	15.91	15.91	24664	24458	9	1537	13.03	23686	23471	9	1475	13.58	23120	22900	8	1439	13.92
9	9	Galloping Sag	0	27.64	27.64	48496	48179	17	1743	11.49	46779	46451	17	1681	11.91	45501	45164	16	1634	12.26
10	10	Galloping Swing	4.41	27.64	27.99	48958	48637	18	1738	11.52	47244	46912	17	1676	11.95	45967	45625	17	1630	12.28
11	11	Blow-Out ROW	4.74	15.91	16.61	29287	29098	11	1752	11.43	27917	27719	10	1669	12	27101	26897	10	1620	12.36
12	12	catenary limit	0	15.91	15.91	33565	33414	12	2100	9.53	31607	31447	11	1976	10.13	30403	30236	11	1900	10.54
13	13	-5C	0	15.91	15.91	32025	31866	12	2002	10	30239	30071	11	1889	10.59	29162	28988	11	1821	10.99
14	14	-15C	0	15.91	15.91	33034	32880	12	2066	9.69	31134	30971	11	1946	10.29	29975	29805	11	1873	10.69
15	15	30C	0	15.91	15.91	28998	28823	10	1811	11.05	27560	27375	10	1720	11.64	26707	26516	10	1666	12.02
16	16	40C	0	15.91	15.91	28255	28075	10	1764	11.35	26897	26708	10	1678	11.93	26103	25908	9	1628	12.3