

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 1
Made By : MOG
Date : **21 June 2015/ Version 2017.10**
Checked : ATW
Approved : GHB

MasterSeries – Wind Analysis**Sample Output – Data File****Contents**

The following output is of part of a MasterFrame data file showing the wind loadcases and load coefficients automatically generated by the Wind Analysis program.

Note:- Sample parts manually highlighted in **red** to indicated where the wind loads are being added into the load combinations.

Note:- **W** loads are based on Cpe coefficients only

P loads are based on a combination of the Cpe and Cpi (internal pressure) coefficients

S loads are based on a combination of the Cpe and Csi (internal suction) coefficients

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 2
Made By : MOG
Date : **21 June 2015/ Version 2017.10**
Checked : ATW
Approved : GHB

MASTERFRAME DATA FILE

LOADING CASES AND LOAD COMBINATION

Load Group Labels

Load Group UT	Unity Load Factor (All Cases)
Load Group D0	Dead Load (Columns Self Weight)
Load Group D1	Super Imposed Dead Load
Load Group L0	Live Load
Load Group L1	Live Load
Load Group W1	Wind Direction 0 Degrees from X Axis (Fetches 225 to 315 Degrees)
Load Group W2	Wind Direction 90 Degrees from X Axis (Fetches 135 to 225 Degrees)
Load Group W3	Wind Direction 180 Degrees from X Axis (Fetches 45 to 135 Degrees)
Load Group W4	Wind Direction 270 Degrees from X Axis (Fetches 315 to 45 Degrees)
Load Group A1	Dead Load (Self Weight)
Load Group G1	Construction Load
Load Group P1	Wind Direction 0 Degrees from X Axis with Internal Pressure Cpi = 0.20
Load Group P2	Wind Direction 90 Degrees from X Axis with Internal Pressure Cpi = 0.20
Load Group P3	Wind Direction 180 Degrees from X Axis with Internal Pressure Cpi = 0.20
Load Group P4	Wind Direction 270 Degrees from X Axis with Internal Pressure Cpi = 0.20
Load Group S1	Wind Direction 0 Degrees from X Axis with Internal Suction Csi = 0.30
Load Group S2	Wind Direction 90 Degrees from X Axis with Internal Suction Csi = 0.30
Load Group S3	Wind Direction 180 Degrees from X Axis with Internal Suction Csi = 0.30
Load Group S4	Wind Direction 270 Degrees from X Axis with Internal Suction Csi = 0.30

Load Case 001 : Ultimate Limit State (Final Stage)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 L1 + 1.35 A1

Load Case 002 : Ultimate Limit State (Construction Stage)

Load Combination + 1.00 UT + 1.35 D0 + 1.50 L0 + 1.35 A1 + 1.50 G1

Load Case 003 : Live Load (Serviceability)

Load Combination + 1.00 UT + 1.00 L1

Load Case 004 : Super Imposed Load (Serviceability)

Load Combination + 1.00 UT + 1.00 D1

Load Case 005 : Dead Load - Selfweight (Serviceability)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 A1

Load Case 006 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 W1) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 W1 + 1.00 A1

Load Case 007 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 W1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 W1 + 1.35 A1

Load Case 008 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 W1) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 W1 + 1.25 A1

Load Case 009 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 W1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 W1 + 1.35 A1

Load Case 010 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 W1 + 1.00 A1

Load Case 011 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 W1 + 1.00 A1

Load Case 012 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 P1) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 P1 + 1.00 A1

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 3
Made By : MOG
Date : 21 June 2015/ Version 2017.10
Checked : ATW
Approved : GHB

Load Case 013 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 P1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 P1 + 1.35 A1

Load Case 014 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 P1) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 P1 + 1.25 A1

Load Case 015 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 P1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 P1 + 1.35 A1

Load Case 016 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 P1 + 1.00 A1

Load Case 017 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 P1 + 1.00 A1

Load Case 018 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 S1) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 S1 + 1.00 A1

Load Case 019 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 S1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 S1 + 1.35 A1

Load Case 020 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 S1) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 S1 + 1.25 A1

Load Case 021 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 S1) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 S1 + 1.35 A1

Load Case 022 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 S1 + 1.00 A1

Load Case 023 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 S1 + 1.00 A1

Load Case 024 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 W2) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 W2 + 1.00 A1

Load Case 025 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 W2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 W2 + 1.35 A1

Load Case 026 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 W2) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 W2 + 1.25 A1

Load Case 027 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 W2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 W2 + 1.35 A1

Load Case 028 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 W2 + 1.00 A1

Load Case 029 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 W2 + 1.00 A1

Load Case 030 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 P2) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 P2 + 1.00 A1

Load Case 031 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 P2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 P2 + 1.35 A1

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 4
Made By : MOG
Date : 21 June 2015/ Version 2017.10
Checked : ATW
Approved : GHB

Load Case 032 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 P2) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 P2 + 1.25 A1

Load Case 033 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 P2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 P2 + 1.35 A1

Load Case 034 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 P2 + 1.00 A1

Load Case 035 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 P2 + 1.00 A1

Load Case 036 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 S2) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 S2 + 1.00 A1

Load Case 037 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 S2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 S2 + 1.35 A1

Load Case 038 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 S2) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 S2 + 1.25 A1

Load Case 039 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 S2) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 S2 + 1.35 A1

Load Case 040 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 S2 + 1.00 A1

Load Case 041 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 S2 + 1.00 A1

Load Case 042 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 W3) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 W3 + 1.00 A1

Load Case 043 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 W3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 W3 + 1.35 A1

Load Case 044 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 W3) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 W3 + 1.25 A1

Load Case 045 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 W3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 W3 + 1.35 A1

Load Case 046 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 W3 + 1.00 A1

Load Case 047 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 W3 + 1.00 A1

Load Case 048 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 P3) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 P3 + 1.00 A1

Load Case 049 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 P3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 P3 + 1.35 A1

Load Case 050 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 P3) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 P3 + 1.25 A1

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 5
Made By : MOG
Date : 21 June 2015/ Version 2017.10
Checked : ATW
Approved : GHB

Load Case 051 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 P3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 P3 + 1.35 A1

Load Case 052 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 P3 + 1.00 A1

Load Case 053 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 P3 + 1.00 A1

Load Case 054 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 S3) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 S3 + 1.00 A1

Load Case 055 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 S3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 S3 + 1.35 A1

Load Case 056 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 S3) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 S3 + 1.25 A1

Load Case 057 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 S3) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 S3 + 1.35 A1

Load Case 058 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 S3 + 1.00 A1

Load Case 059 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 S3 + 1.00 A1

Load Case 060 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 W4) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 W4 + 1.00 A1

Load Case 061 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 W4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 W4 + 1.35 A1

Load Case 062 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 W4) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 W4 + 1.25 A1

Load Case 063 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 W4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 W4 + 1.35 A1

Load Case 064 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 W4 + 1.00 A1

Load Case 065 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 W4 + 1.00 A1

Load Case 066 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 P4) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 P4 + 1.00 A1

Load Case 067 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 P4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 P4 + 1.35 A1

Load Case 068 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 P4) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 P4 + 1.25 A1

Load Case 069 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 P4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 P4 + 1.35 A1

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 6
Made By : MOG
Date : 21 June 2015/ Version 2017.10
Checked : ATW
Approved : GHB

Load Case 070 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 P4 + 1.00 A1

Load Case 071 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 P4 + 1.00 A1

Load Case 072 : Dead plus Wind (1.00 D0 + 1.00 A1 + 1.00 D1 + 1.50 S4) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.50 S4 + 1.00 A1

Load Case 073 : Dead plus Wind (1.35 D0 + 1.35 A1 + 1.35 D1 + 1.50 S4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.50 S4 + 1.35 A1

Load Case 074 : Dead plus Live plus Wind (1.25D0+1.25A1+1.25D1+1.50 L1+0.75 S4) (Local Wind)

Load Combination + 1.00 UT + 1.25 D0 + 1.25 D1 + 1.50 L1 + 0.75 S4 + 1.25 A1

Load Case 075 : Dead plus Live plus Wind (1.35D0+1.35A1+1.35D1+1.05 L1+0.75 S4) (Local Wind)

Load Combination + 1.00 UT + 1.35 D0 + 1.35 D1 + 1.05 L1 + 0.75 S4 + 1.35 A1

Load Case 076 : Dead plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 S4 + 1.00 A1

Load Case 077 : Dead plus Live plus Wind (Serviceability) (Local Wind)

Load Combination + 1.00 UT + 1.00 D0 + 1.00 D1 + 1.00 L1 + 0.50 S4 + 1.00 A1

COMPOSITE SECTION PROPERTIES

Composite Section Properties for the following members are used in the frame analysis in all but loading cases 2 to 5.
Members 5-6, 11-22, 25-27, 31-32, 35-36, 47, 56-57, 62-67, 72-73, 77-78, 84-91, 169-170, 176-177, 191-192, 194-195, 214-215, 220-221, 232-235 & 237-238

WIND PRESSURE VALUES TO EN1991-1-4 UK NA**Dynamic Pressure Values, q (N/m²)**

Wind Direction to X Axis	0	90	180	270
q (N/m ²) for H = 3.4	364.7	313.9	260.2	258.3
q (N/m ²) for H = 6.2	412.3	402.6	333.7	331.2
q (N/m ²) for H = 6.65	428.4	415.6	344.4	341.9
q (N/m ²) for H = 11.859	573.5	516.5	428.0	425.0

Ground level

Ground Level is at the model Y coordinate of 0.0m

Notes - Coefficients of Pressure continue to be obtained from BS6399 Pt2

Member loads denoted by 'Co' will be obtained by multiplying the shown coefficient by the appropriate value from the table above. Horizontal component of W1 to W8 loads will be further multiplied by reduction factor (EC1-4 7.2.2(3)) • CsCd

MEMBER LOADING

Member Self Weight Density Load Included in Load Group D0, defined by Modulus of Elasticity

E kN/mm ²	Density kN/m ³
>= 200.00	77.01
>= 20.00	24.00
>= 2.00	10.00

Members 1-10, 28, 38-44, 52-61, 68-69, 80-83 & 90-95 - MasterFrame Pro Loads

D1 UDLY	-000.906	(kN/m)
A1 UDLY	-006.261	(kN/m)
L1 UDLY	-006.344	(kN/m)
G1 UDLY	-000.906	(kN/m)
A1 D	077.010	(kN/m ³)

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
Sheet : Wind Loads / 7
Made By : MOG
Date : 21 June 2015/ Version 2017.10
Checked : ATW
Approved : GHB

Members 45-47 - MasterFrame Pro Loads

D1 UDLY -000.525 (kN/m)
A1 UDLY -003.627 (kN/m)
L1 UDLY -003.675 (kN/m)
G1 UDLY -000.525 (kN/m)
A1 D 077.010 (kN/m³)

Member 50 - MasterFrame Pro Loads

A1 D 077.010 (kN/m³)
W1 TY2 +001.549 (Co) Member wind load coefficients to be
P1 TY2 +001.549 (Co) multiplied by the local site dynamic
S1 TY2 +001.549 (Co)
W2 TY2 +000.892 (Co) wind pressure 'q' and applied to member
P2 TY2 +000.892 (Co)
S2 TY2 +000.892 (Co)
W3 TY2 +002.356 (Co)
P3 TY2 +002.356 (Co)
S3 TY2 +002.356 (Co)
W4 TY2 +002.585 (Co)
P4 TY2 +002.585 (Co)
S4 TY2 +002.585 (Co)
W1 UDLY +000.708 (Co/m)
P1 UDLY +000.708 (Co/m)
S1 UDLY +000.708 (Co/m)
W2 UDLY +000.408 (Co/m)
P2 UDLY +000.408 (Co/m)
S2 UDLY +000.408 (Co/m)
W3 UDLY +001.077 (Co/m)
P3 UDLY +001.077 (Co/m)
S3 UDLY +001.077 (Co/m)
W4 UDLY +001.182 (Co/m)
P4 UDLY +001.182 (Co/m)
S4 UDLY +001.182 (Co/m)

Member 51 - MasterFrame Pro Loads

A1 D 077.010 (kN/m³)
W1 TRY +002.886 2.097 5.127 (Co,m,m) Member wind load coefficients to be
P1 TRY +002.886 2.097 5.127 (Co,m,m) multiplied by the local site dynamic
S1 TRY +002.886 2.097 5.127 (Co,m,m)
W2 TRY +001.279 2.097 5.127 (Co,m,m) wind pressure 'q' and applied to member
P2 TRY +001.279 2.097 5.127 (Co,m,m)
S2 TRY +001.279 2.097 5.127 (Co,m,m)
W3 TRY +004.392 2.097 5.127 (Co,m,m)
P3 TRY +004.392 2.097 5.127 (Co,m,m)
S3 TRY +004.392 2.097 5.127 (Co,m,m)
W4 TRY +004.819 2.097 5.127 (Co,m,m)
P4 TRY +004.819 2.097 5.127 (Co,m,m)
S4 TRY +004.819 2.097 5.127 (Co,m,m)

Member 86 - MasterFrame Pro Loads

D1 PDLY -002.486 0.000 2.743 (kN,m,m)
A1 PDLY -017.173 0.000 2.743 (kN,m,m)
D1 PDLY -000.733 2.743 3.625 (kN,m,m)
A1 PDLY -005.065 2.743 3.625 (kN,m,m)
L1 PDLY -017.401 0.000 2.743 (kN,m,m)
G1 PDLY -002.486 0.000 2.743 (kN,m,m)
L1 PDLY -005.132 2.743 3.625 (kN,m,m)
G1 PDLY -000.733 2.743 3.625 (kN,m,m)
D1 UDLY -000.906 (kN/m)
A1 UDLY -006.261 (kN/m)
L1 UDLY -006.344 (kN/m)
G1 UDLY -000.906 (kN/m)
A1 D 077.010 (kN/m³)

Member 87 - MasterFrame Pro Loads

D1 UDLY -000.906 (kN/m)
A1 UDLY -006.261 (kN/m)
L1 UDLY -006.344 (kN/m)
G1 UDLY -000.906 (kN/m)

MasterSeries Sample Output

3 Castle Street
Carrickfergus
County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref	: My Project
Sheet	: Wind Loads / 8
Made By	: MOG
Date	: 21 June 2015/ Version 2017.10
Checked	: ATW
Approved	: GHB

```

D1 PDLY -000.734 0.000 0.883 (kN, m, m)
A1 PDLY -005.071 0.000 0.883 (kN, m, m)
D1 PDLY -002.485 0.883 3.625 (kN, m, m)
A1 PDLY -017.167 0.883 3.625 (kN, m, m)
L1 PDLY -005.138 0.000 0.883 (kN, m, m)
G1 PDLY -000.734 0.000 0.883 (kN, m, m)
L1 PDLY -017.395 0.883 3.625 (kN, m, m)
G1 PDLY -002.485 0.883 3.625 (kN, m, m)
A1 D      077.010              ( kN/m³)
    
```

Member 101 - MasterFrame Pro
Loads

```

A1 D      077.010              ( kN/m³)
W1 TY2   +001.376              ( Co )
P1 TY2   +001.376              ( Co )
S1 TY2   +001.376              ( Co )
W2 TY2   +000.574              ( Co )
P2 TY2   +000.574              ( Co )
S2 TY2   +000.574              ( Co )
W3 TY2   +001.376              ( Co )
P3 TY2   +001.376              ( Co )
S3 TY2   +001.376              ( Co )
W4 TY2   +001.376              ( Co )
P4 TY2   +001.376              ( Co )
S4 TY2   +001.376              ( Co )
    
```

Member 179 - MasterFrame Pro
Loads

```

A1 D      077.010              ( kN/m³)
W1 TRY   +004.392 0.000 3.029 (Co, m, m)
P1 TRY   +004.392 0.000 3.029 (Co, m, m)
S1 TRY   +004.392 0.000 3.029 (Co, m, m)
W2 TRY   +001.279 0.000 3.029 (Co, m, m)
P2 TRY   +001.279 0.000 3.029 (Co, m, m)
S2 TRY   +001.279 0.000 3.029 (Co, m, m)
W3 TRY   +002.886 0.000 3.029 (Co, m, m)
P3 TRY   +002.886 0.000 3.029 (Co, m, m)
S3 TRY   +002.886 0.000 3.029 (Co, m, m)
W4 TRY   +004.819 0.000 3.029 (Co, m, m)
P4 TRY   +004.819 0.000 3.029 (Co, m, m)
S4 TRY   +004.819 0.000 3.029 (Co, m, m)
    
```

Member 203 - MasterFrame Pro
Loads

```

A1 D      077.010              ( kN/m³)
W1 TY1   +001.961              ( Co )
P1 TY1   +001.961              ( Co )
S1 TY1   +001.961              ( Co )
W2 TY1   +000.791              ( Co )
P2 TY1   +000.791              ( Co )
S2 TY1   +000.791              ( Co )
W3 TY1   +001.961              ( Co )
P3 TY1   +001.961              ( Co )
S3 TY1   +001.961              ( Co )
W4 TY1   +002.567              ( Co )
P4 TY1   +002.567              ( Co )
S4 TY1   +002.567              ( Co )
W1 TY1   +001.961              ( Co )
P1 TY1   +001.961              ( Co )
S1 TY1   +001.961              ( Co )
W2 TY1   +000.791              ( Co )
P2 TY1   +000.791              ( Co )
S2 TY1   +000.791              ( Co )
W3 TY1   +001.961              ( Co )
P3 TY1   +001.961              ( Co )
S3 TY1   +001.961              ( Co )
W4 TY1   +002.567              ( Co )
P4 TY1   +002.567              ( Co )
S4 TY1   +002.567              ( Co )
    
```

Member wind load coefficients to be multiplied by the local site dynamic wind pressure 'q' and applied to member

MasterSeries Sample Output

3 Castle Street
 Carrickfergus
 County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
 Sheet : Wind Loads / 9
 Made By : MOG
 Date : **21 June 2015/ Version 2017.10**
 Checked : ATW
 Approved : GHB

Member 204 - MasterFrame Pro**Loads**

A1 D	077.010	(kN/m ³)
W1 TY1	+001.039	(Co)
P1 TY1	+001.039	(Co)
S1 TY1	+001.039	(Co)
W2 TY1	+000.133	(Co)
P2 TY1	+000.133	(Co)
S2 TY1	+000.133	(Co)
W3 TY1	+001.039	(Co)
P3 TY1	+001.039	(Co)
S3 TY1	+001.039	(Co)
W4 TY1	+001.375	(Co)
P4 TY1	+001.375	(Co)
S4 TY1	+001.375	(Co)
W1 TY1	+001.039	(Co)
P1 TY1	+001.039	(Co)
S1 TY1	+001.039	(Co)
W2 TY1	+000.133	(Co)
P2 TY1	+000.133	(Co)
S2 TY1	+000.133	(Co)
W3 TY1	+001.039	(Co)
P3 TY1	+001.039	(Co)
S3 TY1	+001.039	(Co)
W4 TY1	+001.375	(Co)
P4 TY1	+001.375	(Co)
S4 TY1	+001.375	(Co)

Member 205 - MasterFrame Pro**Loads**

A1 D	077.010	(kN/m ³)
W1 UDLY	+001.077	(Co/m)
P1 UDLY	+001.077	(Co/m)
S1 UDLY	+001.077	(Co/m)
W2 UDLY	+000.408	(Co/m)
P2 UDLY	+000.408	(Co/m)
S2 UDLY	+000.408	(Co/m)
W3 UDLY	+000.708	(Co/m)
P3 UDLY	+000.708	(Co/m)
S3 UDLY	+000.708	(Co/m)
W4 UDLY	+001.182	(Co/m)
P4 UDLY	+001.182	(Co/m)
S4 UDLY	+001.182	(Co/m)
W1 TY1	+002.356	(Co)
P1 TY1	+002.356	(Co)
S1 TY1	+002.356	(Co)
W2 TY1	+000.892	(Co)
P2 TY1	+000.892	(Co)
S2 TY1	+000.892	(Co)
W3 TY1	+001.549	(Co)
P3 TY1	+001.549	(Co)
S3 TY1	+001.549	(Co)
W4 TY1	+002.585	(Co)
P4 TY1	+002.585	(Co)
S4 TY1	+002.585	(Co)

Member 244 - MasterFrame Pro**Loads**

A1 D	077.010	(kN/m ³)
W1 TY1	+001.376	(Co)
P1 TY1	+001.376	(Co)
S1 TY1	+001.376	(Co)
W2 TY1	+000.574	(Co)
P2 TY1	+000.574	(Co)
S2 TY1	+000.574	(Co)
W3 TY1	+001.376	(Co)
P3 TY1	+001.376	(Co)
S3 TY1	+001.376	(Co)
W4 TY1	+001.376	(Co)

MasterSeries Sample Output

3 Castle Street
 Carrickfergus
 County Antrim BT38 7BE

Tel: 028 9036 5950

Job ref : My Project
 Sheet : Wind Loads / 10
 Made By : MOG
 Date : **21 June 2015/ Version 2017.10**
 Checked : ATW
 Approved : GHB

P4 TY1	+001.376	(Co)
S4 TY1	+001.376	(Co)
W1 TY1	+001.376	(Co)
P1 TY1	+001.376	(Co)
S1 TY1	+001.376	(Co)
W2 TY1	+000.574	(Co)
P2 TY1	+000.574	(Co)
S2 TY1	+000.574	(Co)
W3 TY1	+001.376	(Co)
P3 TY1	+001.376	(Co)
S3 TY1	+001.376	(Co)
W4 TY1	+001.376	(Co)
P4 TY1	+001.376	(Co)
S4 TY1	+001.376	(Co)

**Member 245 - MasterFrame Pro
 Loads**

A1 D	077.010	(kN/m ³)
W1 TY1	+001.376	(Co)
P1 TY1	+001.376	(Co)
S1 TY1	+001.376	(Co)
W2 TY1	+000.574	(Co)
P2 TY1	+000.574	(Co)
S2 TY1	+000.574	(Co)
W3 TY1	+001.376	(Co)
P3 TY1	+001.376	(Co)
S3 TY1	+001.376	(Co)
W4 TY1	+001.376	(Co)
P4 TY1	+001.376	(Co)
S4 TY1	+001.376	(Co)