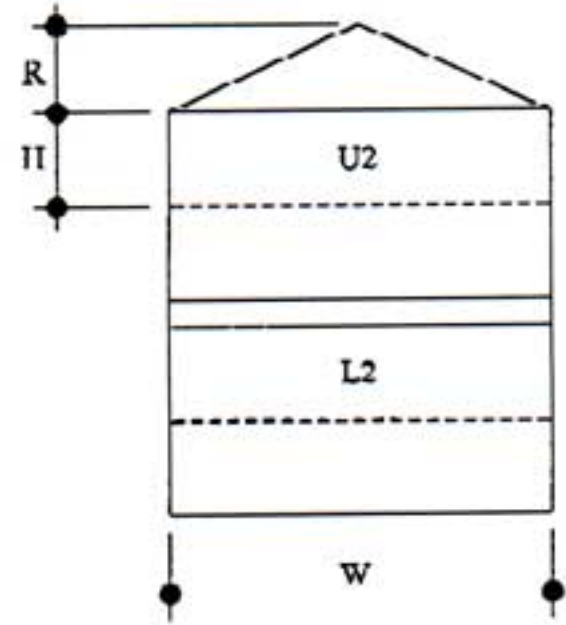
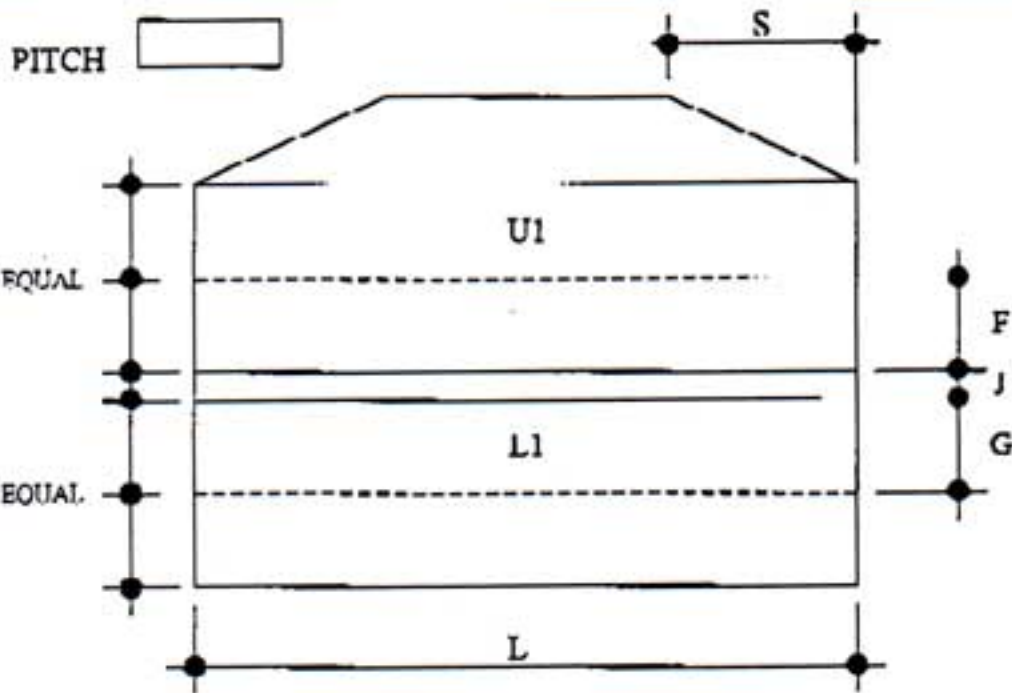


* DYNABOLTS *

SITE
COUNCIL



SINGLE OR UPPER LEVEL.

$$U1 = \frac{L \times H}{X} + \frac{L \times R}{X} - \frac{R \times S}{X}$$

- + -

= SQ.M

$$U2 = \frac{W \times H}{X} + \frac{W \times R}{X} - \frac{R \times S}{X}$$

= + -

= SQ.M

LOWER LEVEL

$$L1 = \frac{L \times G}{X} + \frac{L \times J}{X} + \frac{L \times F}{X} + U-1 \text{ SQ.M}$$

= + + +

= SQ.M

$$L2 = \frac{W \times G}{X} + \frac{W \times J}{X} + \frac{W \times F}{X} + U-2 \text{ SQ.M}$$

= + + +

= SQ.M

DETERMINE PRESSURE

Wind Classification		N	<input type="text"/>
U1	TABLE 8.2	-	<input type="text"/>
L1	TABLE 8.3	-	<input type="text"/>
U2	TABLE 8.4	-	<input type="text"/>
L2	TABLE 8.5	=	<input type="text"/>

BRACING FORCES REQUIRED

FORCE = AREA x PRESSURE

U1	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>	kN
L1	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>	kN
U2	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>	kN
L2	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>	kN

NOTE: FOR GABLE ENDS OR FLAT SURFACES USE TABLE 8.1

AREA OF BRACING FORCES

NAME

JOB No.

HUDSON
FRAME & TRUSS

TYPE	DESCRIPTION	Bracing Capacity (kN/m)	TOTAL kN	UPPER 1		UPPER 2		LOWER 1		LOWER 2	
				No. UNITS	TOTAL kN	No. UNITS	TOTAL kN	No. UNITS	TOTAL kN	No. UNITS	TOTAL kN
AB18	Angle brace 1.8m (Diagonally opposed)	0.8	1.44								
AB27	Angle brace 2.7m (Diagonally opposed)	0.8	2.16								
ABT18	Angle brace 1.8m with Ties	1.5	2.7								
ABT27	Angle brace 2.7m with Ties	1.5	4.05								
FS6	Flatsrap couble X brace engineered detail		1.0								
FS15	Flatsrap X brace engineered detail		2.0								
FS18	Flatsrap X brace 1.8m	1.5	2.7								
FS27	Flatsrap X brace 2.7m	1.5	4.05								
FST7	Flatsrap couble X brace 0.7m with Ties	2.0	1.4								
FST18	Flatsrap X brace 1.8m with Ties	3.0	5.4								
FST27	Flatsrap X brace 2.7m with Ties	3.0	8.1								
QB10	Quickbrace 1.0m engineered detail		2.0								
QB18	Quickbrace 1.8m	1.5	2.7								
QB27	Quickbrace 2.7m	1.5	4.05								
QBT18	Quickbrace 1.8m with Ties	3.0	5.4								
QBT27	Quickbrace 2.7m with Ties	3.0	8.1								
HA9	900 wide sheet brace	3.4	3.06								
HA12	~200 wide sheet brace	3.4	4.08								
HB46	460 wide sheet brace	6.0	2.7								
HB9	900 wide sheet brace	6.0	5.4								
HB12	~200 wide sheet brace	6.0	7.2								
NB1S	Nominal brace one side only (min 450 wide)	0.45									
NB2S	Nominal brace two sides (min 450 wide)	0.75									
	Total kN required										
	Total kN achieved										

Notes:
1. All bracing units to be installed in accordance with AS 1684 - 1999.
2. Tie - down to be in accordance with AS 1684.2 - 1999.

FRAME BRACING LEGEND

HUDSON
FRAME & TRUSS

NAME

JOB No.