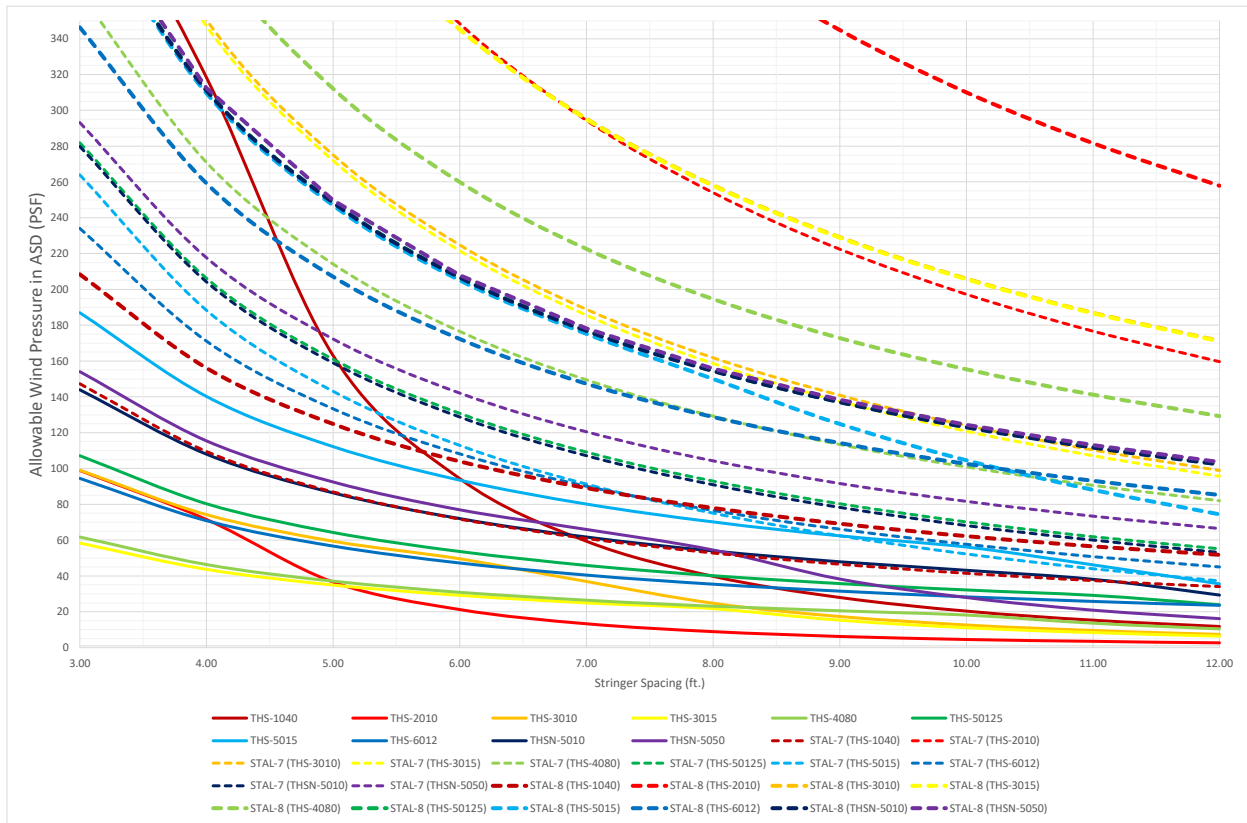


FORTINA LOUVER WINDLOAD ANALYSIS

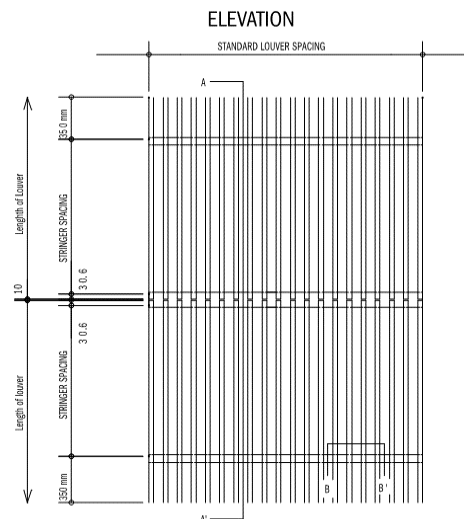
Fortina Louvers > Wall > Exterior Attachment

VERTICAL LOUVERS TO HORIZONTAL STRINGER GRAPH



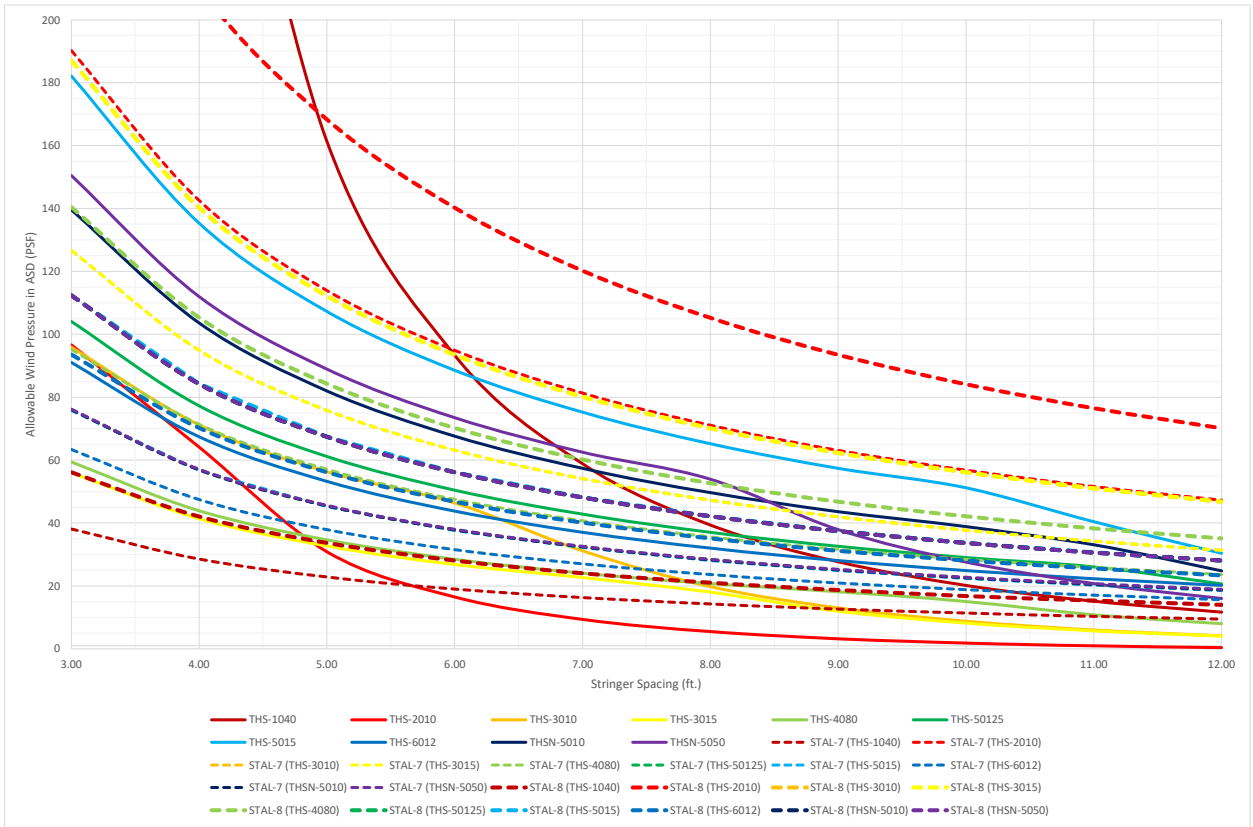
Assumptions

- This chart displays vertical extrusion installation with horizontal support stringers
- Capacities Assume the Following
 - Horizontal stringer connections back to structure at 16" o.c. max.
 - Vert. louvers at min of **3** " o.c.
 - No opinion is given to capacity of connection of stringer to structure or structure capacity
 - These capacities apply to extrusion only
 - Attachment of Stringer to Structure Capacity may govern design and should be investigated. Capacity per connections table



VL - Vertical Louver
HS - Horizontal Stringer

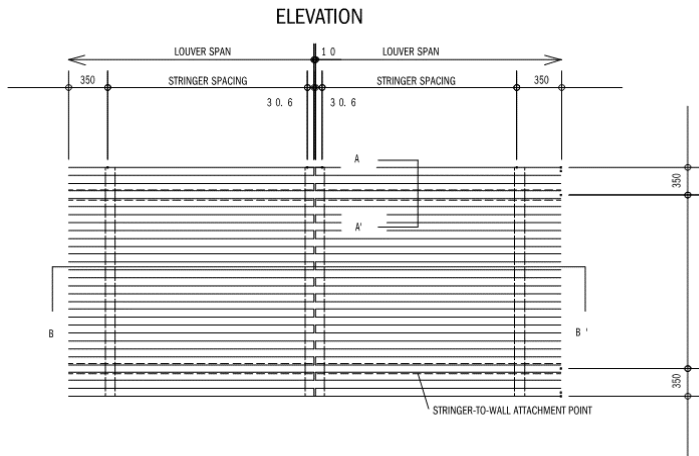
HORIZONTAL LOUVERS WITH VERTICAL STRINGER GRAPH



Assumptions

-Capacities Assume the Following

- Vertical stringer connections back to structure at 36" o.c. max.
- Horiz. louvers at min of **3** " o.c.
- No opinion is given to capacity of connection of stringer to structure or structure capacity
- These capacities apply to extrusion only
- Attachment of Stringer to Structure Capacity may govern design and should be investigated. Capacity per connections table

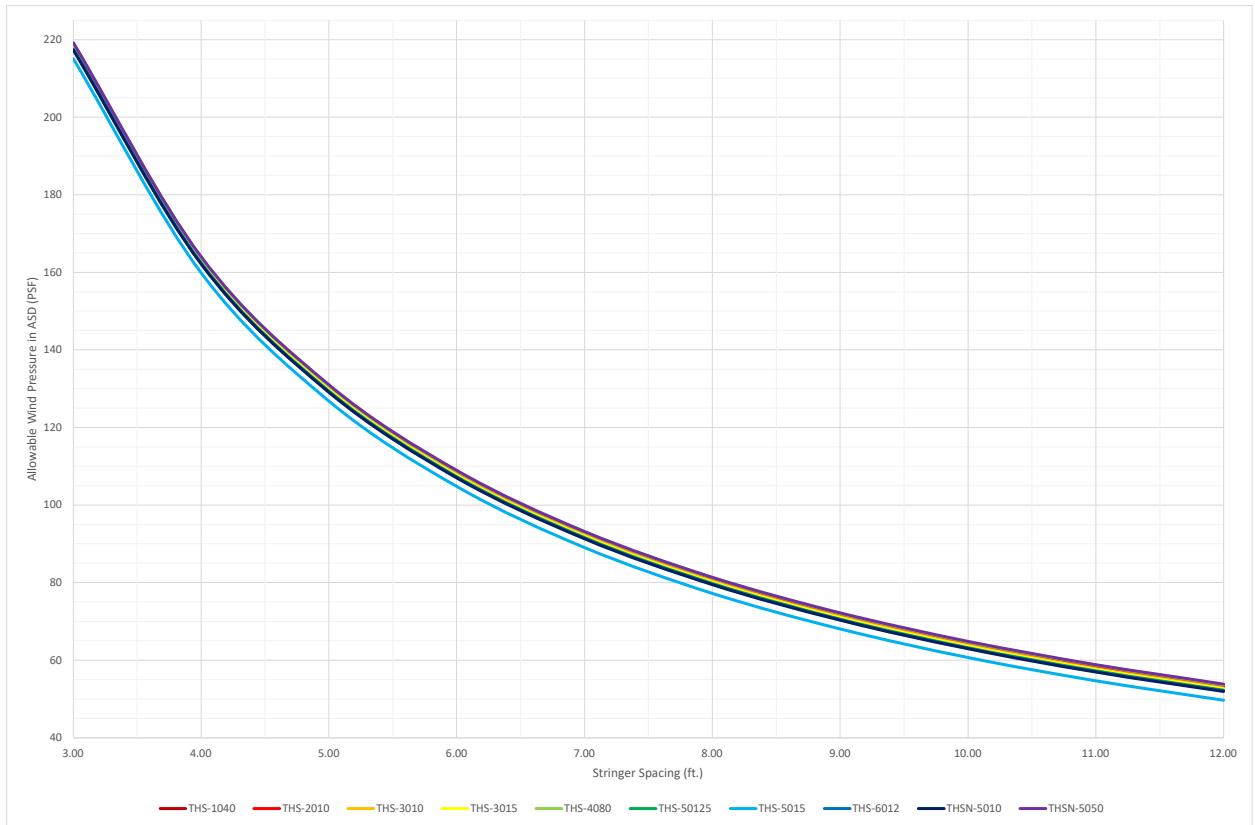


HL - Horizontal Louver
VS - Vertical Stringer

FORTINA LOUVER WINDLOAD ANALYSIS

Fortina Louvers > Wall > Exterior Attachment

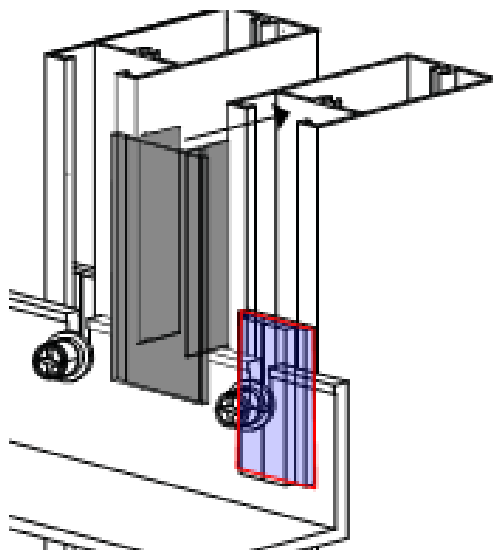
CONNECTIONS LEVEL 1 (T-NUT CONNECTION)



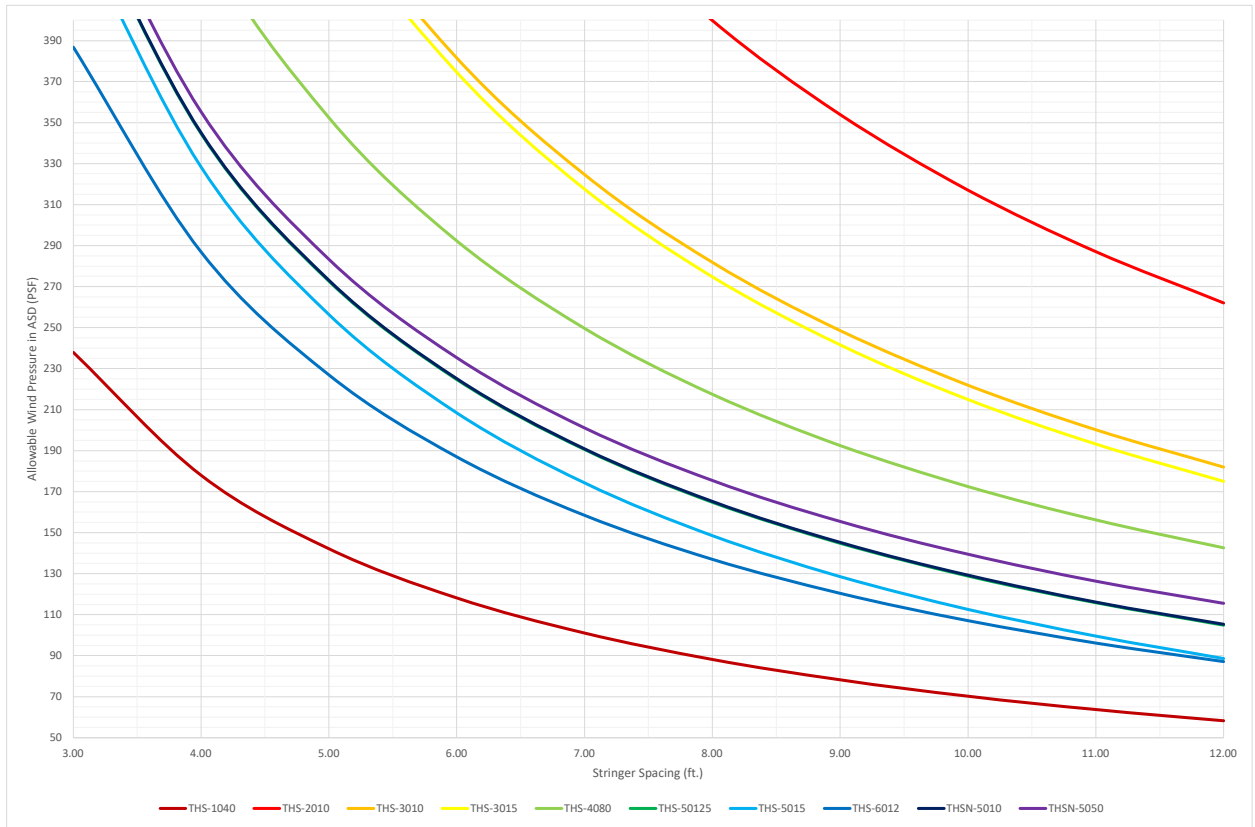
Assumptions

-Capacities Assume the Following

- Louvers at min of **3** " o.c.
- No opinion is given to capacity of connection back to structure or structure capacity
- These capacities apply to connection from louvers to stringer
 - Attachment of Stringer to Structure Capacity may govern design and should be investigated. Capacity per connections table



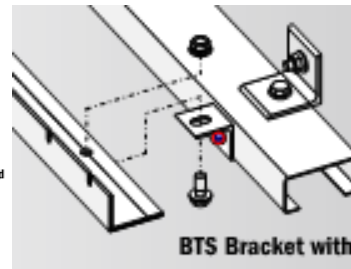
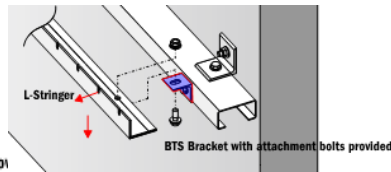
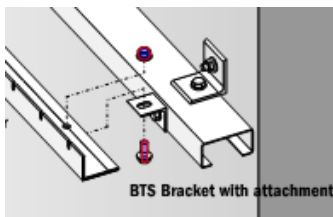
CONNECTIONS LEVEL 2 (STRINGER TO BTS 5050 CLIPS)



Assumptions

-Capacities Assume the Following

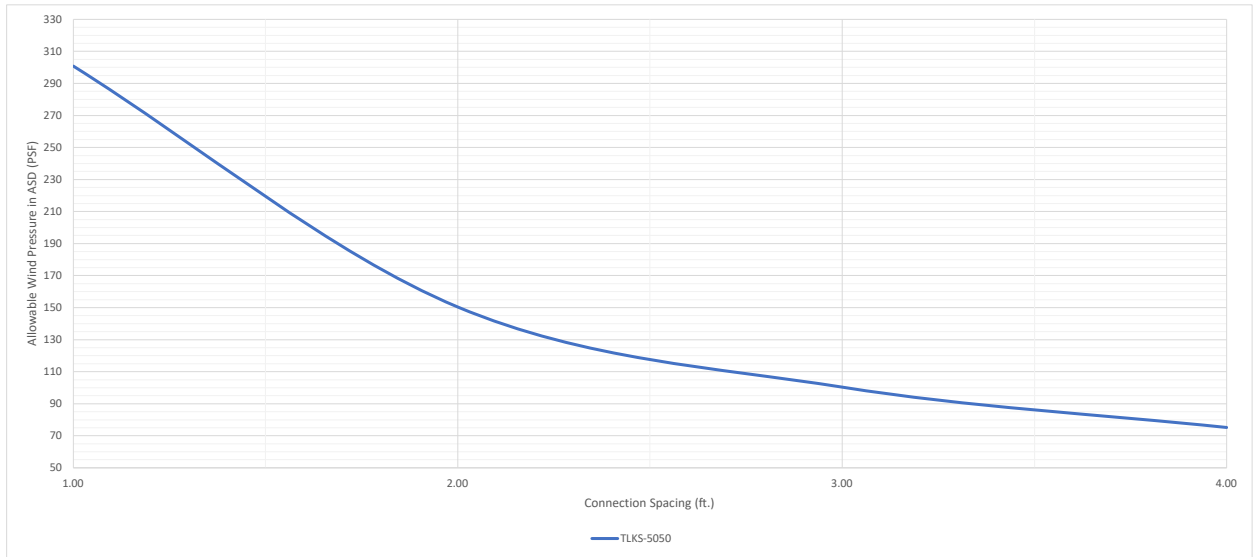
- Vertical stringer connections back to structure at 36" o.c. max.
- Louvers at min of **3** " o.c.
- No opinion is given to capacity of connection back to structure or structure capacity
- These capacities apply to connection from louvers to stringer
 - Attachment of Stringer to Structure Capacity may govern design and should be investigated. Capacity per connections table



FORTINA LOUVER WINDLOAD ANALYSIS

Fortina Louvers > Wall > Exterior Attachment

TLKS VERTICAL LOUVRE CONNTECTION

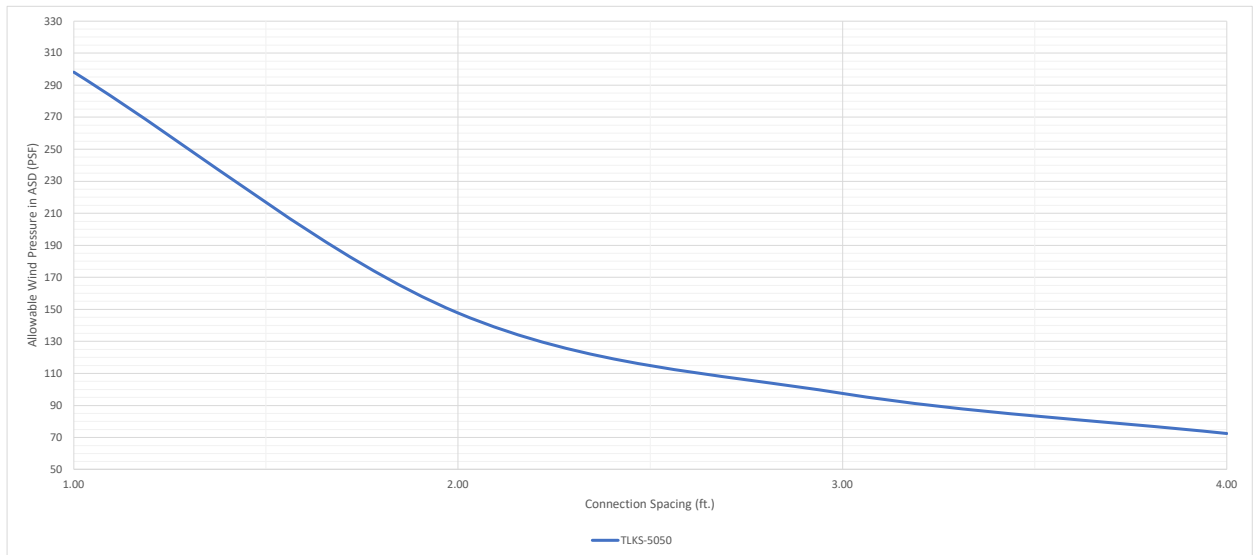


Assumptions

-Capacities Assume the Following

-No opinion is given to capacity of connection back to structure or structrue capacity

TLKS HORIZONTAL LOUVRE CONNTECTION



Assumptions

-Capacities Assume the Following

-No opinion is given to capacity of connection back to structure or structrue capacity

FORTINA LOUVER WINDLOAD ANALYSIS

Fortina Louvers > Wall > Exterior Attachment

VERTICAL LOUVERS HORIZONTAL STRINGER TABLE

VL	HS	with connections at	16	in o.c.							
Stringer Spacing (ft.)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	
THS-1040	450	318	163	94	59	40	28	20	15	12	
THS-2010	99	72	37	21	13	9	6	5	3	3	
THS-3010	99	74	59	50	37	25	17	13	10	7	
THS-3015	58	44	35	29	25	22	15	11	8	6	
THS-4080	62	46	37	31	26	23	21	18	14	10	
THS-50125	107	80	64	54	46	40	36	32	29	24	
THS-5015	187	140	112	94	80	70	62	56	46	36	
THS-6012	95	71	57	47	41	35	32	28	26	24	
THSN-5010	144	108	86	72	62	54	48	43	38	29	
THSN-5050	154	116	92	77	66	55	38	28	21	16	
STAL-7 (THS-1040)	147	110	87	72	61	53	47	42	37	34	
STAL-7 (THS-2010)	726	537	424	348	294	254	223	197	177	160	
STAL-7 (THS-3010)	477	351	275	225	189	162	141	124	110	99	
STAL-7 (THS-3015)	473	347	272	222	186	159	138	121	107	96	
STAL-7 (THS-4080)	366	271	214	176	149	129	113	101	91	82	
STAL-7 (THS-50125)	282	206	161	131	109	93	80	70	62	55	
STAL-7 (THS-5015)	264	188	143	113	91	75	62	52	44	37	
STAL-7 (THS-6012)	234	171	133	108	90	77	66	58	51	45	
STAL-7 (THSN-5010)	280	204	159	129	107	91	78	68	60	53	
STAL-7 (THSN-5050)	293	218	172	142	120	104	92	82	73	66	
STAL-8 (THS-1040)	208	156	125	104	89	78	69	62	57	52	
STAL-8 (THS-2010)	1040	780	623	519	444	388	345	310	282	258	
STAL-8 (THS-3010)	693	519	415	345	295	258	229	206	187	171	
STAL-8 (THS-3015)	693	519	415	345	295	258	229	206	187	171	
STAL-8 (THS-4080)	521	391	312	260	223	195	173	155	141	129	
STAL-8 (THS-50125)	416	311	249	207	177	155	137	123	112	102	
STAL-8 (THS-5015)	414	310	247	205	175	150	125	105	88	74	
STAL-8 (THS-6012)	346	259	207	172	147	129	114	103	93	85	
STAL-8 (THSN-5010)	416	311	248	207	177	154	137	123	112	102	
STAL-8 (THSN-5050)	417	312	250	208	178	156	138	124	113	104	

VL - Vertical Louver
 HS - Horizontal Stringer

FORTINA LOUVER WINDLOAD ANALYSIS

Fortina Louvers > Wall > Exterior Attachment

HORIZONTAL LOUVERS VERTICAL STRINGER TABLES

HL	VS	with connections at	36	in o.c.							
Stringer Spacing (ft.)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	
THS-1040	Pressure (PSF)	430	316	161	93	59	39	28	20	15	12
THS-2010		97	64	31	17	9	5	3	2	1	0
THS-3010		96	71	56	46	31	20	13	9	6	4
THS-3015		56	41	33	27	23	18	12	8	6	4
THS-4080		59	44	35	28	24	21	18	15	11	8
THS-50125		104	77	61	50	43	37	33	29	26	21
THS-5015		182	135	107	89	75	65	57	51	40	30
THS-6012		91	67	53	44	37	32	28	25	22	20
THSN-5010		140	104	82	68	57	50	44	39	33	25
THSN-5050		151	112	89	74	63	54	38	28	21	16
STAL-7 (THS-1040)		38	29	23	19	16	14	13	11	10	9
STAL-7 (THS-2010)		190	143	114	95	81	71	63	57	52	47
STAL-7 (THS-3010)		127	95	76	63	54	47	42	38	34	31
STAL-7 (THS-3015)		127	95	76	63	54	47	42	38	34	31
STAL-7 (THS-4080)		95	71	57	48	41	36	32	28	26	24
STAL-7 (THS-50125)		76	57	46	38	32	28	25	23	21	19
STAL-7 (THS-5015)		76	57	45	38	32	28	25	22	20	19
STAL-7 (THS-6012)		63	47	38	32	27	24	21	19	17	16
STAL-7 (THSN-5010)		76	57	45	38	32	28	25	23	21	19
STAL-7 (THSN-5050)		76	57	46	38	33	29	25	23	21	19
STAL-8 (THS-1040)		56	42	34	28	24	21	19	17	15	14
STAL-8 (THS-2010)		281	210	168	140	120	105	94	84	77	70
STAL-8 (THS-3010)		187	140	112	94	80	70	62	56	51	47
STAL-8 (THS-3015)		187	140	112	94	80	70	62	56	51	47
STAL-8 (THS-4080)		140	105	84	70	60	53	47	42	38	35
STAL-8 (THS-50125)		112	84	67	56	48	42	37	34	31	28
STAL-8 (THS-5015)		112	84	67	56	48	42	37	34	31	28
STAL-8 (THS-6012)		94	70	56	47	40	35	31	28	26	23
STAL-8 (THSN-5010)		112	84	67	56	48	42	37	34	31	28
STAL-8 (THSN-5050)		112	84	67	56	48	42	37	34	31	28

HL - Horizontal Louver
 VS - Vertical Stringer

CONNECTIONS LEVEL 1 (T-NUT CONNECTION) TABLES

	Stringer Spacing (ft.)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
THS-1040	Pressure (PSF)	218	163	130	108	92	81	71	64	58	53
THS-2010		219	164	131	109	93	81	72	64	58	53
THS-3010		218	163	130	108	92	80	71	64	58	53
THS-3015		218	163	130	108	92	80	71	64	58	53
THS-4080		219	164	131	109	93	81	72	65	59	54
THS-50125		218	162	129	107	92	80	71	63	57	52
THS-5015		215	160	127	105	89	77	68	61	55	50
THS-6012		217	162	129	107	91	80	70	63	57	52
THSN-5010		217	162	129	107	91	79	70	63	57	52
THSN-5050		219	164	131	109	93	81	72	65	59	54

CONNECTIONS LEVEL 2 (STRINGER TO BTS 5050 CLIPS) TABLES

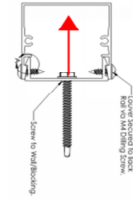
	Stringer Spacing (ft.)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
THS-1040	Pressure (PSF)	238	178	142	118	101	88	78	70	64	58
THS-2010		1089	813	648	538	459	400	354	317	287	262
THS-3010		781	581	462	382	325	282	249	222	200	182
THS-3015		774	574	455	375	318	275	242	215	193	175
THS-4080		592	442	352	292	250	218	193	173	156	143
THS-50125		465	345	273	225	191	165	145	129	116	105
THS-5015		448	328	256	209	174	149	129	113	100	89
THS-6012		387	287	227	187	158	137	120	107	96	87
THSN-5010		465	345	273	225	191	165	145	129	116	105
THSN-5050		475	355	283	235	201	175	155	139	126	115

FORTINA LOUVER WINDLOAD ANALYSIS

Fortina Louvers > Wall > Exterior Attachment

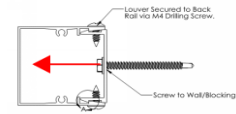
VERTICAL LOUVERS HORIZONTAL STRINGER TABLE

VL		Span (ft.)	1.00	2.00	3.00	4.00
TLKS-5050	Pressure (PSF)	301	150	100	75	
	Max Reaction Tension (lbs)	62	62	62	62	
	Max Reaction Shear (lbs)	61	61	61	61	



HORIZONTAL LOUVERS VERTICAL STRINGER TABLES

HL		Span (ft.)	1.00	2.00	3.00	4.00
TLKS-5050	Pressure (PSF)	298	148	98	72	
	Max Reaction Tension (lbs)	61	61	60	59	
	Max Reaction Shear (lbs)	60	60	59	59	



VL - Vertical Louver

HL - Horizontal Louver

**Connection to structure by others*

