15	5CH	WE	155
<i>I</i>		DC	ORS

BIFOLD DOOR SPECS PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com

														311	
Orde	r Numbe	er:			24109		Bui	lding	Manufacti	urer:					
Bi	d Numbe	er:			3216-BC				Con	tact:					
	Bid Dat	te:			7/25/17				Fax/E-I	Mail:					
	Compan	y: 0v	erhead	Door	Company of Po	ortland ME			Na	me:		-			
	Custome	er: Da	vid Pink	ham					Job	Loc: Port	land		ME	04101	
Door V	Vidth [Door H	eight \	Ndg.	Overall Height	Door Style	Drive Ty	ре	Lift Type	Truss	Hinge Sty	/le Tot	t W - Inc	hes Tot H	- Inches
100'-0		27'-1		85"	35'-0.00"	SCHWEISS							1,204"		20"
⊠ PF	RELIMIN	IARY	SPEC	3 - Th sp	nese are Preli pecifications.	minary Spec	Sheets - c	do no	t manufac	ture the l	ouilding he	ader/co	olumns	using the	ese
☐ FII	VAL SP	ECS -	AS OF 9/1/17	- 7 W	/ill be provided	d when the d	oor contra	ct is f	inalized.						
	Pre	elije.	mii	าล	ry - Bi-	-Fold D	oor S	Spe	cifica	ation	S			S1 - Clea	ırs
^	1,200.0		et & Inc 00'- 0.0		Clear Opening	, hotwoon oid	do column	0 0r (ataal ar w	ood) fin	iohod oloo	ononi		Duppin 271-1	
Α-		-			Clear Opening								ig.	Thick	
AA-	1,212.0		01'- 0.0		Total distance									8	
B-	335.0		27'- 11.		Clear Opening	•					<u> </u>	ng.		7-1/ Door	2" Thick
C-	420.0		35'- 0.0		Distance from			<u>, , , , , , , , , , , , , , , , , , , </u>		` .	<u> </u>				-
CCC-	408.0		34'- 0.0		When using s						lumns shou	ıld		1	3
		Steel C IPOR1			hang no lower NOTIFY SCHW									S2 - Coll	ision
D-	85.00		7'- 1.0		Distance from									V _P	
_	84.00		7'- 0.0		Distance from	•					for single h	ingoo		3º Th	
E-			35'- 3.0		Distance from									undire	
F-	423.0	U"	35 - 3.0		Hold the shee						ve the doo	1.			Vinire \
					These Specs						anels and	Trim		2007	Seating
					When using 2"										7
					When using 3"	Thick Insulated	d Panel and	d Trim	Add 3" to	F Measuri	ment Above			/ -	12
		IMP	ORTA		It is the Contrac								de		
H-	419.0	0"	34'- 11.		with the Building Distance from	the finished	floor to the	e cen	ter of sing	gle hinge	bolt holes.				
				_		. BOLT THR	OUGH YC	OUR I				<u> </u>			
			_	್ತಾ	ide View	- - 51					ete Flo		es escare		
			-		7 [t	he face o	f the building col	umn or building	he doorframe. The line. To provide a	weathertigh			
						Stu	c	concrete f	loor extend beyo	ond the opening	e out of the building g 6 <u>t</u> o 8 inches slop		m		
			Lateral Bra	cing —	<u></u> →	I - !	t	he buildir	g.Concrete	Floor Mus	t Be Level.				
				A .					- 1			— Side Col	lumn		
						∐ ₹\			- 1	•		— Door Fr	ame		
			†		₩ ₩	$\exists \ //$			WY 100,000,000,000	بلوا ا		200111			
			CC TTOM		1 1			Insti	de of Building			-Door She	eting		
			STUB	ļ	B CLEAR) ≥ Ext	emal Truss		- 1						
				F Ding	OPENING	1 //	eam Side Colum		- 1			— Bottom	Trim		
				ETING NE	C OYERALL	14-10	cam side Coldin	11.1	- 1		<u> </u>				
				100	HEIGHT OF BI-FOLD DOOR	•		Fit.	ished Floor	<u> </u>	}_ Bott	om Rubber	588		
		61	<u> </u>		↓ ↓	Gradu	al slope from the i	inside of t	he building	6"to	8"				
							24			-					
				Size	Top	liew o	τ Υοι	ır i	SI-F0	id De	oor _{siz}				
	//2	wide of B	ในไปเกร	Will	100						Wil War Var				
				rouy	 <		— A -ClearOp	enina –			var ≽ - ≼	, ≯			
			565	-											
			0	4 4	//		Bawam Truss	(Inside)				* (0)			
	===				**************************************		BH Fald Daar	Frame						===	
	00	utside of .	Building							~~~	▃▃▙▋				
					! ≪ -Doorframe overla.	ns 2" on each eide					1/4	1			
					= Door name ovella	po E on coolidiud	– Door Frame V	Midth —				1/-	J-Trim		
			4" to 7" →		 ≪ -Hold building she	eting back 4 to 7 inc			de column / bo	th sides.	-1	1	Door Shee	ting	
0117	2.10		_	-			cato stav hack								

+SCHWEISS DOORS

BIFOLD DOOR SPECS

PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com

A-2 SPEC SHEET

Order Number: 24109)9	Bid Nu	mber:	3216-BC		Bid Date: 7/25		/17	
Door Width	Door Height	Wdg.	Overall Height	Door Style	Drive Type	Lift Type	Truss	Hinge Style	Tot W - Inches	Tot H - Inches
100'-0.00"	27'-11.00"	85"	35'-0.00"	SCHWEISS	Bottom Drive	Strap Lift	External	Single Hinges	1,204"	420"

PRELIMINARY SPECS - These are Preliminary Spec Sheets - do not manufacture the building header/columns using these specs. This is a rough estimate of what the door measurements and weights will be when purchased.

FINAL SPECS - AS OF Will be provided when the door contract is finalized.

Preliminary - Design Criteria - Required Door Information

Building Code Unit is 2012 IBC Building Code - (Default is 2012 IBC)
Wind Speed 3 second gust - (Default is 115 mph)

Risk Category

II, III, or IV - (Default is II) - (2009 IBC = Standard Occupancy)

Wind Exposure C Exposure - (Default is C)

Enclosure Enclosed Enclosed or Partially Enclosed - (Default is Enclosed)

Topographic Factor - Kzt 1 Must Be Provided by the Engineer of Record- (Default is 1)

Building Height

33'

Mean Roof Height or Eave Height for Building with Roof Slope of 10 Degrees or Less.

Roof Slope Roof Slope - (Default is 1 : 12)

Door Operational Wind Speed 30 mph

Maximum Wind Speed for Door Operation is: 30 mph

Do not operate door if wind speed exceeds the maximum door operating speed.

Door must be closed with floor pins and locks engaged when un-attended or when wind speed is expected to exceed the maximum door operating speed.

Preliminary - Technical Information For Your Bi-Fold Door

AI-	2 I	Number of Filinges	X033_A1B1_Frame_Weight_Tot_2
A2-	15	Number of Lift Points Distributed Equally.	AUSS_ATBT_Frame_weight_fot_2
A3-	460-3PH	Electrical System with Up/Stop/Down Switch	and Power Unit on the (LI) - Left/Inside
	Door Weights		

B1- 32617 lbs Structural Framing Weight

3477 lbs Exterior Sheeting & Trim Weight (29ga. = 0.82 psf. -- 26ga. = 0.99 psf.)

B3- 3477 lbs Liner Sheeting & Trim Weight (29ga. = 0.82 psf. -- 26ga. = 0.99 psf.) / 2 lf Only Bottom Half

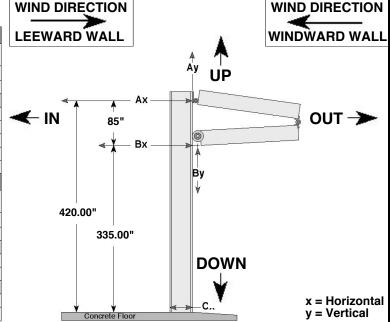
B4- Insulation Weight (4" Blanket = 0.5 psf. -- 6" Blanket = 0.65 psf.)

B5- 2243 lbs Optional - added accessories
B6- 41814 lbs Estimated Total Door Weight

WARNING - Schweiss manufactures the door based on the listed weights above. DO NOT modify the weight of the door.

Preliminary - Door Reactions

DOOR CLOSED		END H	INGES	CENTER	HINGES
	Column React. at Base (lbs.)	Side Column Loc. from Ea	and 1st Hinge ch End (lbs.)	Interior I (Ibs	
	(C _x)	(A _x)	(A _y)	(A _x)	(A_y)
Dead Load	0	0	1150 ~	0	2300 🕶
WINDWARD WALL		115 MP	H WIND LO	DAD	
Internal Pressure	3529 〈	194 〈	0	388 (0
Internal Suction	9303 〈	512 〈	0	1023 〈	0
LEEWARD WALL					
Internal Pressure	7538 >	415 >	0	829 >	0
Internal Suction	1764 >	97 >	0	194 >	0
	OR OPEN				
DOOR OPEN		END H	INGES	CENTER	HINGES
DOOR OPEN	Roller Forces (lbs.)	Side Column Loc. from Ea	and 1st Hinge	CENTER Interior I	linges
DOOR OPEN		Side Column	and 1st Hinge	Interior I	linges
DOOR OPEN Dead Load	(lbs.)	Side Column Loc. from Ea	and 1st Hinge ch End (lbs.)	Interior I	Hinges i.)
	(lbs.) (B _x)	Side Column Loc. from Ea	and 1st Hinge ch End (lbs.) (A _y) 1150 •	Interior I (Ibs	(A _y)
Dead Load	(lbs.) (B _x) 25292 <	Side Column a Loc. from Ea (A _x)	and 1st Hinge ch End (lbs.) (A _y) 1150 •	Interior I (Ibs (A _x) 2782 >	(A _y)
Dead Load WINDWARD WALL Internal Pressure Internal Suction	(lbs.) (B _x) 25292 < 30 MPH	Side Column : Loc. from Ea (A _x) 1391 > MAXIMUM	and 1st Hinge ch End (lbs.) (A _y) 1150 ~ WIND FOR	Interior I (lbs (A _x) 2782 >	Hinges (A _y) (A _y) 2300 ERATION
Dead Load WINDWARD WALL Internal Pressure	(lbs.) (B _x) 25292 30 MPH 1915 4	Side Column Loc. from Ea (A _x) 1391 >	and 1st Hinge ch End (libs.) (A _y) 1150 WIND FOR	(A _x) 2782 > DOOR OP	(A _y) 2300 > ERATION
Dead Load WINDWARD WALL Internal Pressure Internal Suction	(lbs.) (B _x) 25292 30 MPH 1915 4	Side Column Loc. from Ea (A _x) 1391 MAXIMUM 112 66 c	and 1st Hinge ch End (libs.) (A _y) 1150 WIND FOR	(A _x) 2782 > DOOR OP	(A _y) 2300 > ERATION



Important Note:

B2-

When your bi-fold door is opening or in the wide open position, the door tends to pull away from the building at the hinge line also putting stress on each building column where the roller moves along the column flange. The building manufacturer/contractor/owner is responsible to insure that the building structure is capable of handling all the imposed loads. All materials not supplied by Schweiss are the full responsibility of others!!



		בכ		PHONE.	307-420-0273	7 ГАЛ. ЭО	7-420-74	uo / Sciiweis	SDUUIS.CUIII	SHEET
Order Nun		24109		Bid Nu		3216-BC		Bid Date:	7/25/	
Door Width	Door Height		Overall Height	Door Style	Drive Type	Lift Type	Truss	Hinge Style	Tot W - Inches	
100'-0.00"	27'-11.00"		35'-0.00"					Single Hinges		420"
⋈ PRELIN	MINARY SPE	Spe	ecs. This is a	rninary Spec a rough estim	nate of what th	e door mea	asuremer	ouilding heade nts and weight	s will be when	purchased.
FINAL S	SPECS - AS (9/1/	OF Wil	ll be provided	d when the d	oor contract is	finalized.				
		M	inimum	Bi-Fold L	Door Head	der Reg	uirem	ents		
1. Maximu	<u>m</u> Allowable \	Vertical [Deflection L/	/ 180 Maximu	ım under Dead	+ Live Loa	d or Dead	I + Snow Load	Combinations.	
								is applied to the tion at the cent		
		Horizonta	al Frame Drift	t is <u>H/60</u> in	the plane of th	e wall conta	aining the	door.		
4 1 / 00	/14.F				or Side Co					
4. <u>L/90</u> 5. L/180				Inward or O	utward Deflect	ion of Your	Buildings	s Bi-Fold Door	Side Columns:	ı
6. 1-3/8"				Thickness of	f Your Building	s Bi-Fold D	oor Side	Columns:		
			Infor	mation f	or Buildir	ng Desi	geners	S		
Designing	the Door Sig	<u>de Colu</u>	mn for Bi-Fo	old Doors.						
					the roller force			ns. Due to the	door roller the	column
Design the	e door side c	olumns	s for:							
8. Maior	axis bending	due to t	he Roller For	rces (Bx) sh	own on the Do	or Reactio	ns Chart.			
 9. Axial lo 	oad by the bu	uilding fra	aming on the	door side co	olumn (includir	ng the dead	load of	the door).	- d - Th - 000	5 Managar
	i for combine el Constructio			g and axial lo	ad per the pro	ivisions of t	he gover	ning building d	code, The 2009	o Manual
<u>Deflection</u>	Requiremen	nts for c	loor side co	<u>lumn:</u>						
11. Design	the door side	e colum	n for the sam	ne deflection	requirements	as required	d by the b	ouilding code.		
General De	esign Notes:	<u>:</u>								
12. The do	or side colun	nns, hea	ader and brad	cing should b	e designed by	, a qualified	d Profess	ional Enginee	r.	
13. Specifi	c building cor eration.	nditions	other than th	nose indicate	d in the Spec	Sheets ma	y exist w	hich require fu	rther engineer	ing
		ponsible	for the size	or design of	the door head	ler and side	column	s for your build	ling. All mater	ials not
supplie	ed by Schweis	ss are th	ne full respon	sibility of oth	ners. door is open o	r closed		-	_	
							e approp	riate load com	binations.	
Unara	de Faui	nme	nt - Cus	tomer's	Choice	1				
							accessorie	es be used on ev	ery door.	
Only include	ed with your ord	der if the	box is checke	ed	F	Read the So	chweiss			
	Override Jig				"	Safety Info	rmation	and Operation	n Manual"	
_	e Latch Jiggle				T	he Schweiss	Bi-Fold [Doors Safety Info by anyone invo	ormation and O	peration
_	ctric Photo E	-			s	pecifications	, selection	or purchase of	an industrial bi-	fold
	utton Automa		cn		d	oor operator	or autom	ated bi-fold doo	system.	
_	or Base Safet		n					Any Question		
	rning Lights a ergency Back				d	oor's safe or	peration of	ns or comments r its design, call page and talk to	us at the number	ers

staff at the factory.



BIFOLD DOOR SPECS

PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com

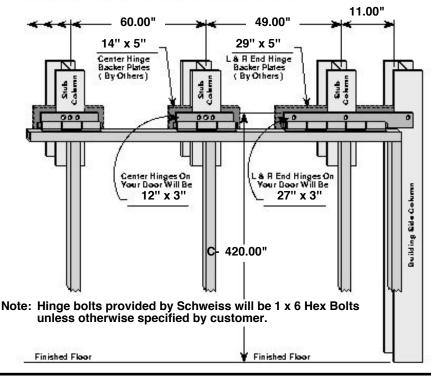
A-4 SPEC SHEET

	Order Number: 24109)9	Bid Nu	mber:	3216-BC		Bid Date: 7/25		/17
D	oor Width	Door Height	Wdg.	Overall Height	Door Style	Drive Type	Lift Type	Truss	Hinge Style	Tot W - Inches	Tot H - Inches
10	00'-0.00"	27'-11.00"	85"	35'-0.00"	SCHWEISS	Bottom Drive	Strap Lift	External	Single Hinges	1,204"	420"

Attaching Bi-Fold Door To Your Building

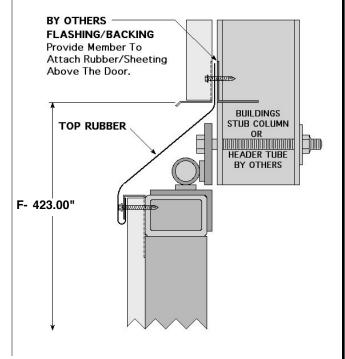
Typical I-Beam Building Side Column With Stub Columns

- Bolt Through Side Columns and Stub Columns.
- Hinge Backer Plate Provided By Building Manufacturer/Owner/Contractor.
- Hinge Backer Plate Thickness Determined By Building Manufacturer.
- Recommended Hinge Backer Plate Sizes See Below...



Sheeting Above Your Bi-Fold Door

- Sheet above door at the height shown below.
- Provide proper backing to attach sheeting and door top rubber to at this height.



Owners / Contractors and Building Manufacturers:

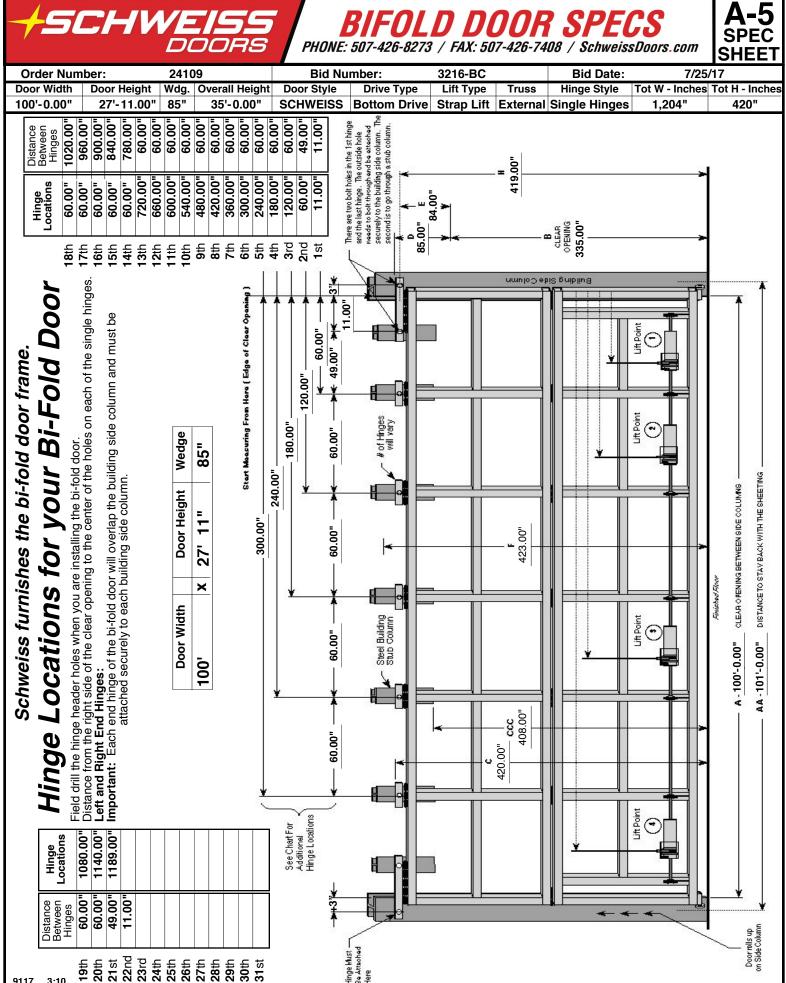
When working with contractors or construction companies it is your responsibility to pass this information on to them. The Building Manufacturer / Contractor / Owner is responsible to ensure that the building structure is capable of handling all the imposed loads. All materials not supplied by Schweiss are the full responsibility of others!

The Customer / Contractor / Building Manufacturer is responsible for ensuring that the correct version of the A-1 thru A-7 Spec Sheets are being used for their door. Schweiss Distributing is **Not** liable for the Customer / Contractor / Building Manufacturer using an obsolete version of the A-1 thru A-7 Spec Sheets.

I have read through Spec Sheets A-1, A-2, A-3, A-4, A-5, A-6, A-7 and agree to them.

Thave read through	Spec Sileets A-1, A-2, A-3, A-4, A-3, A-0, A-7 and agre	ee to them.	
PRELIMINARY SPECS	These are Preliminary Spec Sheets - do not manu specs. This is a rough estimate of what the door r	facture the building h neasurements and w	neader/columns using these reights will be when purchased.
FINAL SPECS - AS OF 9/1/17	Will be provided when the door contract is finalize	d.	
Customer:	SIGNATURE	Thank You : Sales Person	Jeremy Ricke

BIFOLD DOOR SPECS
PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com





Finished Roor

BIFOLD DOOR SPECS PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com

		DUUHB	Ph	IUNE:	507-4	26-82/3	/ FAX: 50	7-426-74	us / Schweiss	SDoors.com	SHEET
Order Nun	nber:	24109	Е	Bid Nu	mber:		3216-BC		Bid Date:	7/25	
Door Width		Wdg. Overall Height				е Туре	Lift Type	Truss			Tot H - Inches
100'-0.00"	27'-11.00"								Single Hinges		420"
Ex	<u>ternal SI</u>	heeting and	d Trii								
		Top Rubi		wall i the b	s to be ottom	fully she of the sh	open or useted before ets aboves Sheeti	ore the do e the doc		r is installed! d, do not nail	If the end or fasten
		一 了。	•	Α			26g 3x	<u> </u>			
	<u>مالـــله</u>	Į A			102	H-111111	20g 3x.	3DX 1			
<u></u>				WD				Head	rim .		
Ĺ		Ď		В	102'	Z-Trim	26g 1x2	2xSDx1.7	' 5		
199.00"	N III	206.7	5"				1.4	7_FIRSH	Tr. Leg recommended		
	'' ''	 		С	102'	B-Trim	26g 2.7	5xSDx.7	5		
					0:			Baza Tri	m n		
				D	Qty 34	Length 206.75		tina			
				E	34	203.25					
						200.20	Once	ung			
				F		-					
*		H		H2		-					
				G		-					
A		-₩ 🕴		Н	1,277	1" Fine	Thread T	ek Screv	ws w/ Seal Wa	sher	
T		*		ı	72'	F-Trim	26g 4x2	2.75xSDx	d		
M 199.00"		E 203.2	5"		Either s	tyle works	hweiss you	ÍA.		4" ¥ SD ★	
				J							
				-		-					
				Line	r She	eting a	nd Trin	n Prov.	By: Custor	ner Resp	onsibe
						_			Both Halves		
							= Sheeti				
			ŀ				26g 3x				
1 J.	. [3]	1111							(knipe)		

Length

199.00"

199.00"

Sheeting

Sheeting

1,020 1" Fine Thread Tek Screws w/ Seal Washer

Qty

34

34

M



FOLD DOOR SPECS

PHONE: 507-426-8273 / FAX: 507-426-7408 / SchweissDoors.com

										SHEET
Order Num	ber:	2410	9	Bid Nu	mber:	3216-BC		Bid Date:	7/25	/17
Door Width	Door Height	Wdg.	Overall Height	Door Style	Drive Type	Lift Type	Truss	Hinge Style	Tot W - Inches	Tot H - Inches
100'-0.00"	27'-11.00"	85"	35'-0.00"	SCHWEISS	Bottom Drive	Strap Lift	External	Single Hinges	1,204"	420"

DETAILED DRAWING
OBSTRUCTIONS INSIDE OF THE DOORS CLEAR OPENING

When the bi-fold door comes with internal trusses and/or automatic side latches, the building manufacturer must

SCHWEIS!

provide the proper internal clearances inside of the doors clear opening. Schweiss is calling out the distances below and it is the customers/building manufacturers responsibilty to ensure these clearances are met for your door to / IMPORTANT: Keep This Area Clear of Obstructions There must be no obstacles or obstructions inside of your clear opening at the dimensions listed below. function properly. Pass this information on to your building manufacturer. Examples: No Tapered Main Frames, Interior Walls, etc... VERY

- Allow 17" back at 186" up.

X - Automatic Side Latches W - Bottom Truss......

- Allow 20" back at 7"

≥ WIDE FLANGE BEAM SIDE COULUMN X- 17" 20 ≽ CONTINUOUS STEEL TUBE HEADER зтив согимия ≥ × 20" WIDE FLANGE BEAM SIDE COULUMN X-186 ≽ FLOOR LINE

Door Opening - Internal Clearance Required