

STRESS ANALYSIS

CUSTOMER: GENERIC CUSTOMER
 DATE: 02/27/15 DESIGN: DECK15058 REF:
 SALESMAN #

MEMBER TYPE	SIZE	STRESS FACTOR	FACTOR LOAD	COMPOSITE LOAD

JOISTS	2X8	DEFLECTION	278 PSF	
	16"	BENDING	235 PSF	
		SHEAR	171 PSF	
		COMPRESSION	320 PSF	171 PSF

BEAMS (2) 2X8		DEFLECTION	105 PSF	
		BENDING	78 PSF	
		SHEAR	69 PSF	
		COMPRESSION	317 PSF	69 PSF

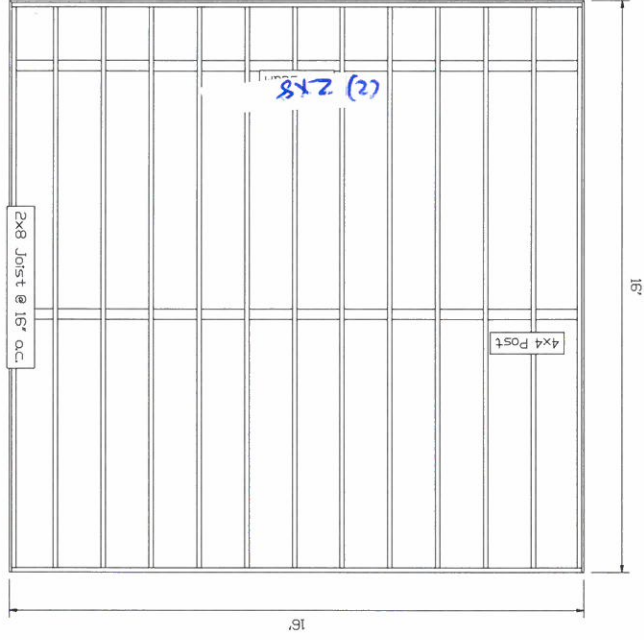
POSTS	4X4	STABILITY BEARING	395 PSF	395 PSF

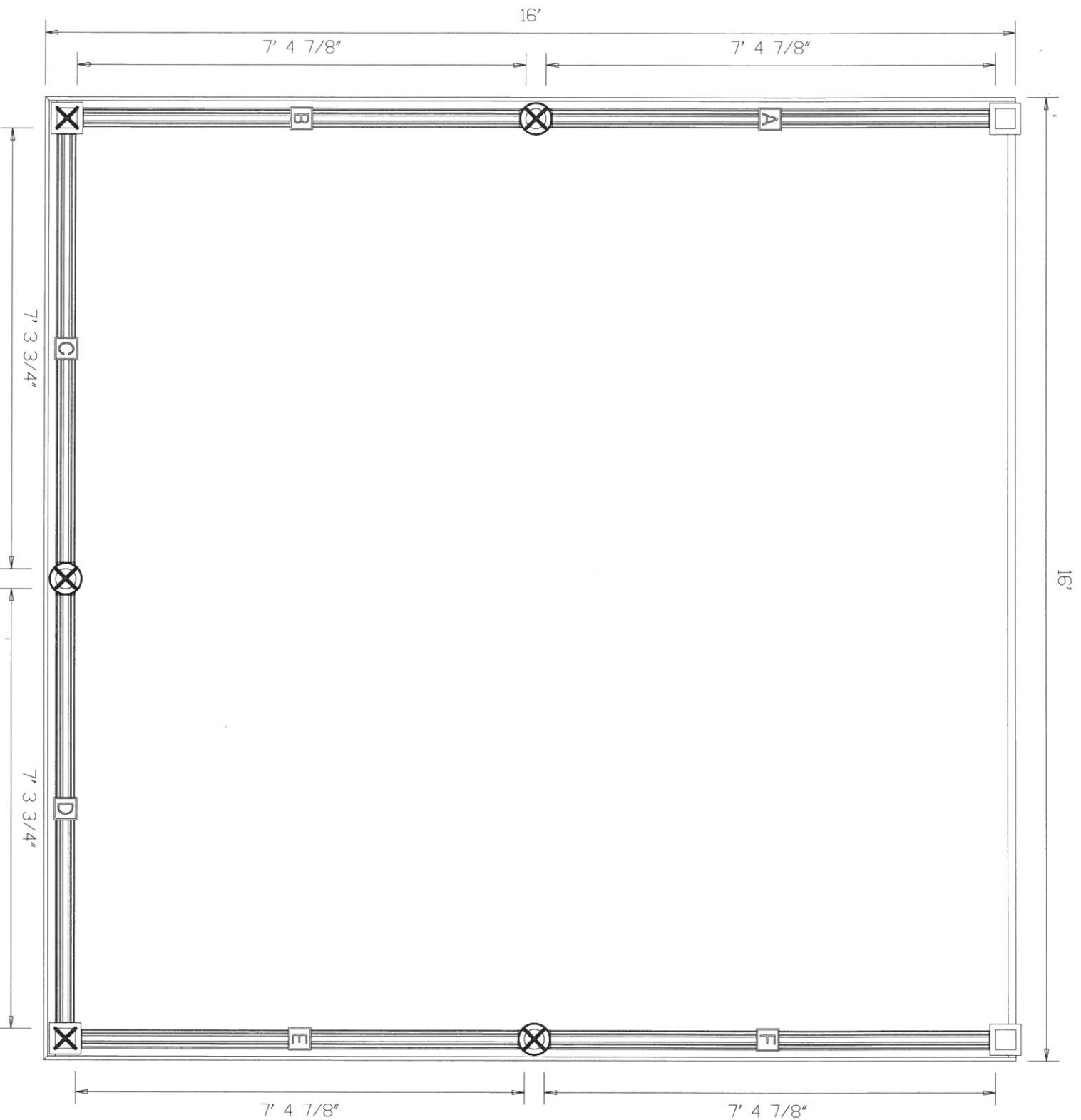
		TOTAL LOAD		69 PSF
		DEAD LOAD		10 PSF
		LIVE LOAD		59 PSF

16x16

Plan View
GENERIC CUSTOMER
02/27/15
Ref: Deck15058
Scale: 3/16" = 1'

Store Name
123 Street Rd.
City, ST
(800) 555 1212





Rail Layout

Post	SKU	Description
<input checked="" type="checkbox"/>	DT-PRO4x4PS42_WH	4"X4"x42" Post Sleeve, White
<input checked="" type="checkbox"/>	DT-PRO4x4PS42_WH	4"X4"x42" Post Sleeve, White
<input checked="" type="checkbox"/>	DT-PRO4x4PS42_WH	4"X4"x42" Post Sleeve, White
<input type="checkbox"/>	DT-PRO4x4PS42_WH	4"X4"x42" Post Sleeve, White

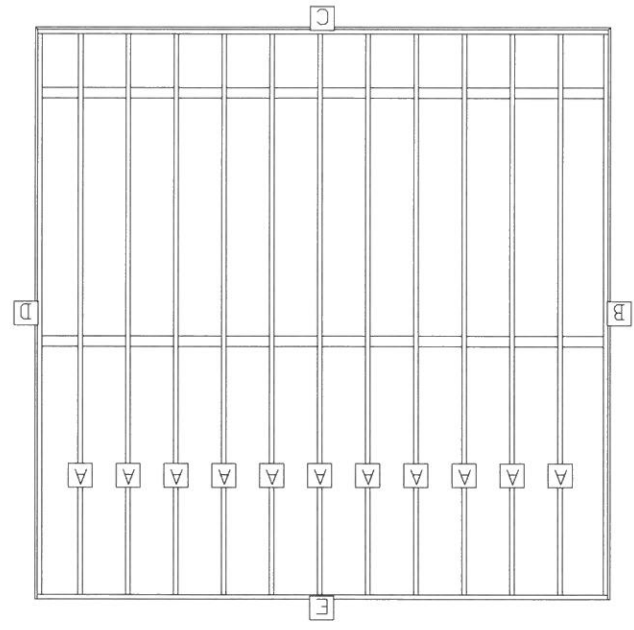
Rails Section	X-ref	Cut From
B		DT-PRO_36SP72L_WH (6' Square Pickets, 36" Level, White)
F		DT-PRO_36SP72L_WH (6' Square Pickets, 36" Level, White)
A		DT-PRO_36SP72L_WH (6' Square Pickets, 36" Level, White)
E		DT-PRO_36SP72L_WH (6' Square Pickets, 36" Level, White)
C		DT-PRO_36SP96L_WH (8' Square Pickets, 36" Level, White)
D		DT-PRO_36SP96L_WH (8' Square Pickets, 36" Level, White)

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LABEL	LENGTH	BEVELS	LABEL	LENGTH	BEVELS
A Joints (11)	15' 8 1/4"	15' 8 1/4"	C rim	15' 10 1/2"	15' 10 1/2"
B fascia	18'	1) 0 2) 45	D fascia	18'	1) 45 2) 0
B rim	15' 8 1/4"	15' 8 1/4"	D rim	15' 8 1/4"	15' 8 1/4"
C fascia	18'	1) 45 2) 45	E rim	15' 10 1/2"	15' 10 1/2"



Beam Layout
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