

STRESS ANALYSIS

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

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MEMBER            SIZE            STRESS            FACTOR            COMPOSITE  
TYPE                       FACTOR            LOAD            LOAD  
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JOISTS            2X8            DEFLECTION            449 PSF  
                  16"            BENDING            326 PSF  
                                                  SHEAR            209 PSF  
                                                  COMPRESSION            377 PSF            209 PSF

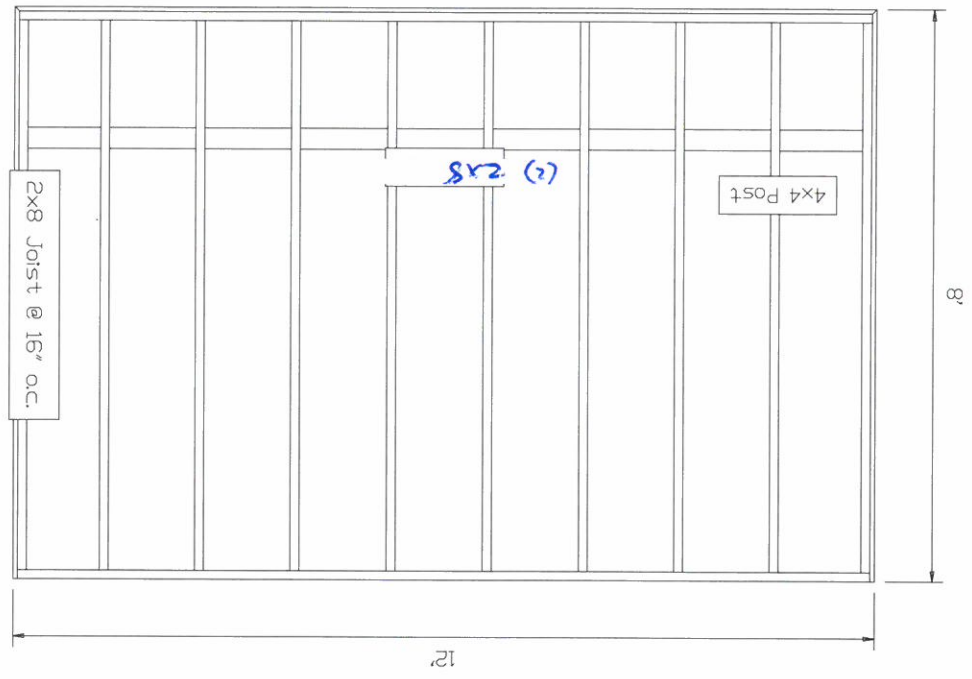
8X12

BEAMS            (2) 2x8            DEFLECTION            371 PSF  
                                                  BENDING            217 PSF  
                                                  SHEAR            152 PSF  
                                                  COMPRESSION            477 PSF            152 PSF

POSTS            4X4            STABILITY            795 PSF  
                                                  BEARING            871 PSF            795 PSF  
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TOTAL LOAD            152 PSF  
DEAD LOAD            10 PSF  
LIVE LOAD            142 PSF  
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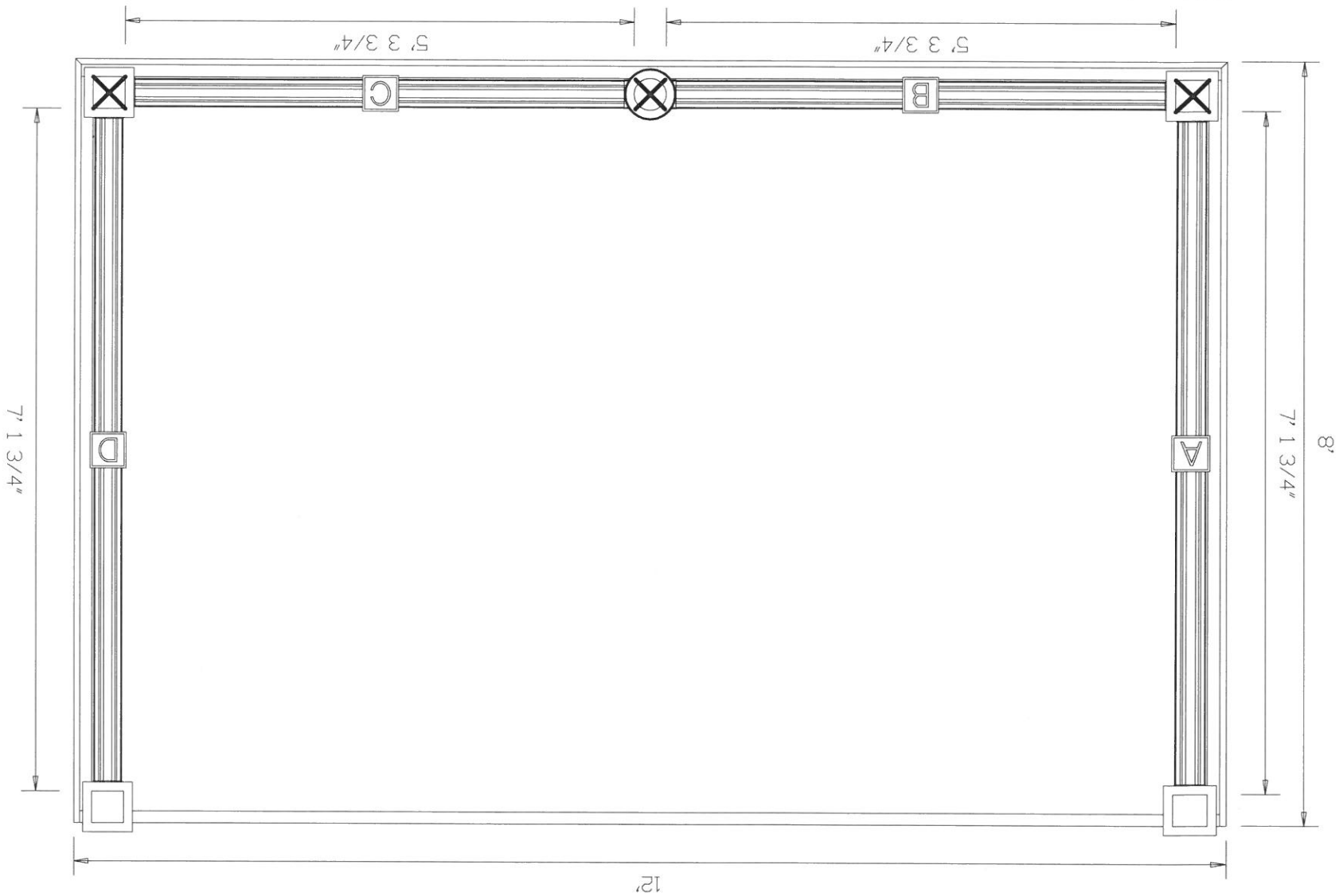
Plan View  
GENERIC CUSTOMER  
02/27/15  
Ref: Deck15058  
Scale: 3/8" = 1'

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



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

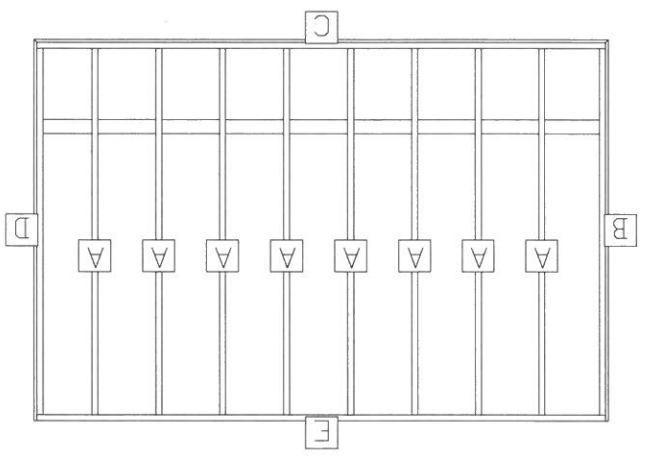
Post	SKU	Description
	DT-PRO4x4PS42_WH	4"X4"X42" Post Sleeve, White
	DT-PRO4x4PS42_WH	4"X4"X42" Post Sleeve, White
	DT-PRO4x4PS42_WH	4"X4"X42" Post Sleeve, White



Cut List  
 GENERIC CUSTOMER  
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 Scale: 1/4" = 1'

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LABEL	LENGTH	BEVELS	LABEL	LENGTH	BEVELS
A Joint (g)	7' 8 1/4"	110 2)45	C rim	11' 10 1/2"	1)45 2)0
B fascia	8'	1)0 2)45	D fascia	8'	1)45 2)0
B rim	7' 8 1/4"		D rim	7' 8 1/4"	
C fascia	12'	1)45 2)45	E rim	11' 10 1/2"	



Beam Layout  
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BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	11' 10 1/2"	3	6' 3 1/2"

Post spacing is measured center-to-center.  
 Depth of concrete footers --- 24"

