



SHOP NOTE:  
 1. \* SC\* DENOTES NO PAINT WITHIN 2" AROUND GROUP OF HOLES.  
 2. SHOP BOLTED CONNECTIONS FAYING SURFACES SHOULD NOT BE PAINTED WITHIN 2" AROUND GROUP OF HOLES.

**ONE - BEAM - 3104B**

**BILL OF MATERIAL**

Qty Ea.	Qty Tot	Piece Mark	Description	Length	Weight Total	Remarks	Adv Mill #	Steel Grade
1	1	3104B	BEAM					
1	1		W24X68	24'-9 7/16"	1696		3104B	A992
2	2	a3020	L3-1/2X3-1/2X5/16	1'-8 1/2"	24			A36
4	4	p3088	FB3/8"X4"	1'-10 9/16"	38			A36
7	7		3/4"Ø A325SC_TC BOLT	0'-2 1/4"	4	Workshop		
6	6		3/4"Ø A325SC_TC BOLT	0'-2 1/4"		Site		
8	8		3/4"Ø A325SC_TC BOLT	0'-1 3/4"		Site		

REF E3003	PROJECT NAME	DATE	NO.	DESCRIPTION	BY
MATERIAL AS NOTED	COVANTA ESSEX AREA 3				
HOLES AS NOTED	LOCATION	ORACLE STEEL CONSULTANTS LTD			
BOLTS AS NOTED, GALVANIZED	183 RAYMOND BLVD, NEWARK, NJ				
ALL COPES AND BLOCKS TO HAVE 1/2 RAD. UN	CONTRACTOR	DRAWN BY	CHECKED BY	JOB No.	
WELDS E70XX	COVANTA ESSEX CO.	EHS	EDG	13-0794-B	
SURF. PREP See Covanta Energy Spec SA-550	DESCRIPTION	DATE	DATE	DRG No.	
PAINT NOTE See Covanta Energy Spec SA-550	BEAM	05/13/2013	05/16/2013	3104B	
	PHASE:	3			

ORACLE STEEL CONSULTANTS LTD		
PC Mark	Int.	Date
FIT - UP		
CRITICAL DIMENSION		
WELD INSPECTION		
COATING INSPECTION		
FINAL INSPECTION		