3G .		Date: <u>6/27/24</u> By: <u>SRB</u> Checked: <u>MS</u>		
G Engineerin	ng Group QUANTITY CO	MPUTATIONS	; 	Date: 6/27/2024
DESCRIPTION:	PORTIONS OF STRUCTURE REMOVE	ITEM NO. 202E11201 QUANTITY 1 UNIT LS		
DESCRIPTION:	PORTIONS OF STRUCTURE REMOVE	ITEM NO. 202E11501 QUANTITY 6 UNIT EACH		
DESCRIPTION:	CONCRETE REPAIR BY EPOXY INJEC	ITEM NO. 512E10600 QUANTITY 70 UNIT FT		
DESCRIPTION:	ISTRUCTURAL STEEL MEMBERS, LEV	RUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN		
				ITEM NO. 513E10001 QUANTITY 1 UNIT LS
DESCRIPTION:	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN			ITEM NO. 513E10201 QUANTITY 492 UNIT LB
	Stiffener Plate Thickness Stiffener Plate Height Stiffener Plate Width Number of Stiffener Plates	0.88 33.94 4.00 4	in in in	_
	Weight of Stiffener Plates Angle Leg 1 Length Angle Leg 2 Length	134.74 3.00 2.69	lbs in in	
	Angle Thickness Angle Area	0.31 1.78	in sq in	
	Crossframe Diagonal Length Number of Crossframe Diagonals Weight of Crossframe Diagonals	9.97 4 241.29	ft Ibs	
	Crossframe Strut Length Number of Crossframe Struts Weight of Crossframe Struts	9.56 2 115.69	ft Ibs	
	Total Weight	491.72	lbs	
DESCRIPTION:	STRUCTURAL STEEL MISC.: REPAIR ( PENETRATION WELDING	OF DAMAGED M	AIN MEMBER, COMPLETE	ITEM NO. <u>513E95000</u> QUANTITY <u>19</u> UNIT <u>FT</u>
	Crossframe spacing Distance from Crossframe to Repla Length of Replacement Depth of Web Welded Width of Flange Length of Weld	14.17 0.50 13.17 1.90 1.01	ft ft ft ft	
	STRUCTURAL STEEL MISC.: REPAIR (	18.99 OF DAMAGED M	ft IEMBERS, COPE HOLES	ITEM NO. 513E95030
				QUANTITY 4 UNIT EACH
DESCRIPTION:	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)			ITEM NO. 514E20001 QUANTITY 308 UNIT SF
	Area of Painting on Beam 5	1.00	sq ft	
	Length of Painting on Beam 1 Perimeter of Painting on Beam 1 Area of Painting on Beam 1	41.50 5.96 247.18	ft ft sq ft	
	Angle Outer Leg Length Angle Inner Leg Length Angle Thickness Angle Perimeter	3.00 2.69 0.31 12.00	in in in in	
	Crossframe Diagonal Length Number of Crossframe Diagonals Surface Area of Crossframe Diagor	9.97 4 39.90	ft sq ft	
	Crossframe Strut Length Number of Crossframe Struts	9.56 2	ft	
	Surface Area of Crossframe Struts	19.13	sq ft	

DESCRIPTION:	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	ITEM NO. 516E47001   QUANTITY 1   UNIT LS
DESCRIPTION:	DAMAGE ASSESSMENT	ITEM NO. 849E10000 QUANTITY 1 UNIT LS
DESCRIPTION:	SURFACE PREPARATION	ITEM NO. 849E10500 QUANTITY 1 UNIT LS
DESCRIPTION:	REPAIRING DAMAGED MEMBERS BY GRINDING	ITEM NO. 849E10600 QUANTITY 4 UNIT HOUR
	Length of Heat Straightening39.29ftNumber of Hours of Grinding3.93hours	
DESCRIPTION:	STRAIGHTENING DAMAGED MEMBERS	ITEM NO. 849E10700 QUANTITY 1 UNIT LS