

SMART BIM SOLUTIONS FOR GROWING BUSINESSES!

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# **About Us**

We are a dynamic startup based in Colombia, delivering BIM-driven solutions both nationally and internationally. Backed by a skilled team with hands-on experience in construction, planning, and project execution, we help small and mid-sized businesses take their first step into the digital era. Our services include BIM Estimation, BIM Modeling, BIM Management, and Photogrammetry (Skytech)—designed to ease the transition into the information age with confidence and efficiency.

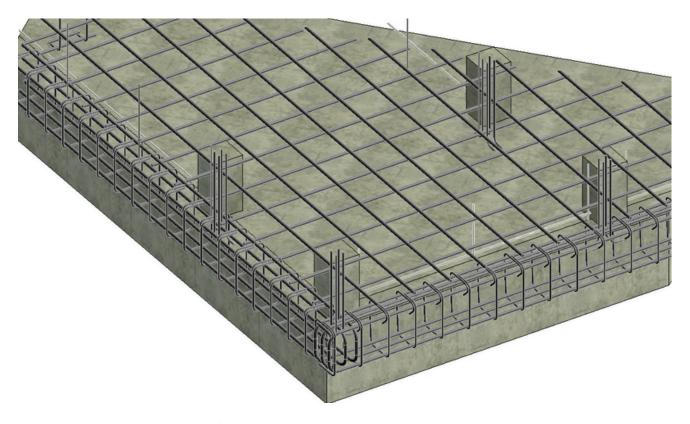


## **BIM MODELING SAMPLES**



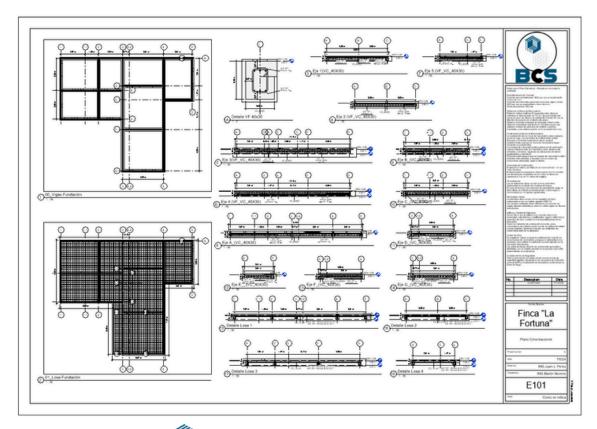


### **BIM MODELING SAMPLES - REBAR**



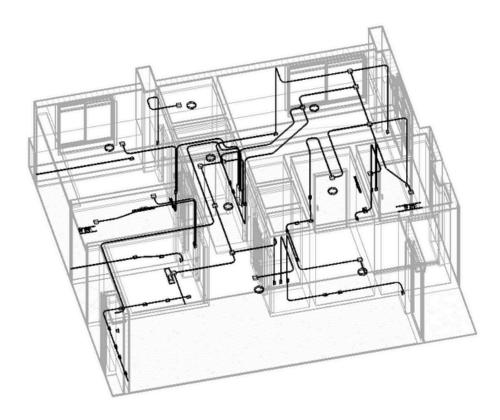


### **BIM MODELING SAMPLES - STRUCTURAL PLANS**





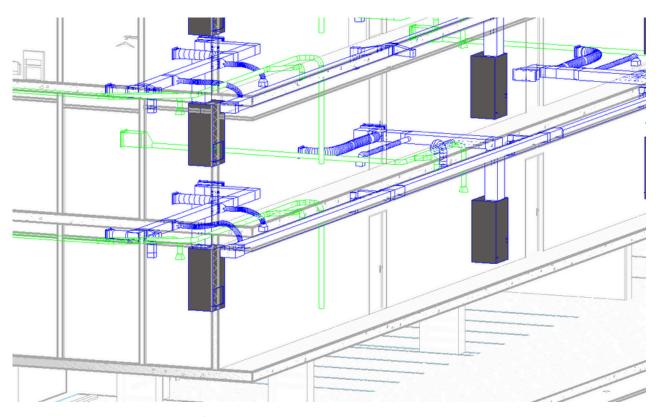
## **BIM MODELING SAMPLES - ELECTRICAL**





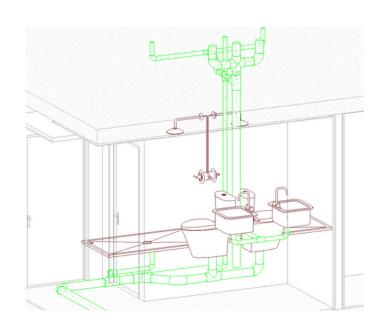


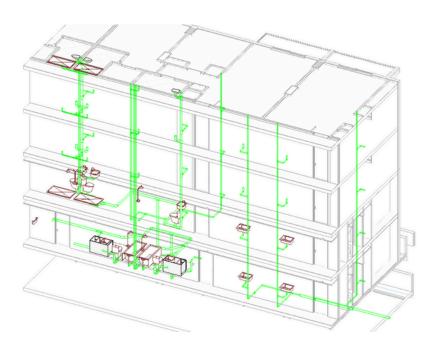
## **BIM MODELING SAMPLES - HVAC**





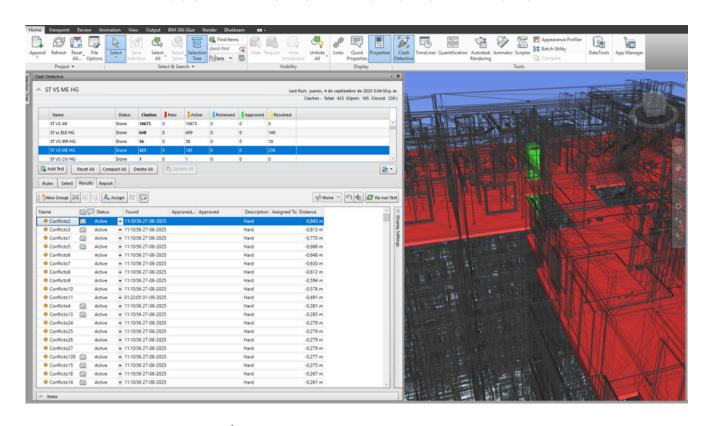
### **BIM MODELING SAMPLES - PLUMBING**







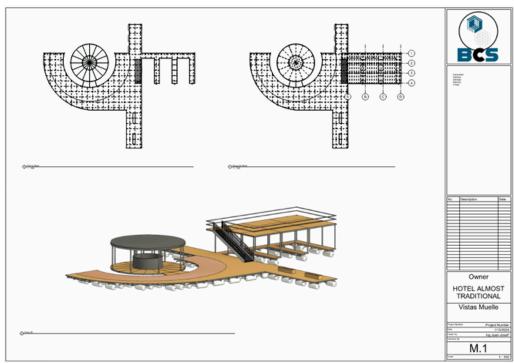
#### **COORDINATION SAMPLES - CLASH DETECTION**





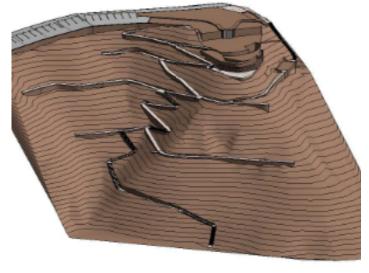
#### **BIM ESTIMATING SAMPLES - STEEL STRUCTURE**

Family and Type	Comments	Count	Length
r anniy and Type	Comments	Count	Longi
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	5.07 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	3.87 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	3.98 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	4.24 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	4.75 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	6.09 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	5.13 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	5.41 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
RHS-Sección hueca rectangular: 80x40RHS	Estructura de Flotacion Primer Nivel	1	1.00 m
		1	1.00 m





### BIM ESTIMATING SAMPLES - EARTH WORK



				Net	Projected	Surface
Comments	Name	Cut	Fil	cutfill	Area	Area
Acera	1921 Sidewalk	6.49 m <sup>3</sup>	0.00 m²	-6.49 m <sup>2</sup>	32.38 m²	32.38 m²
Acera	1921 Sidewalk 1917 Concrete Pad	0.03 m <sup>a</sup>	0.85 m³	n° m°	26.72 m²	26.72 m² 0.47 m²
Acera		0.01 m <sup>2</sup>	0.03 m <sup>3</sup>		0.47 m²	
Acera	1913 Concrete Pad	0.00 m <sup>a</sup>	3.21 m³	3.21 m <sup>3</sup>	2.50 m²	2.50 m²
Acera	1913 Concrete Pad 2	0.00 m <sup>3</sup>	4.15 m³	4.15 m³	2.39 m <sup>3</sup>	2.39 m²
Acera	1918.5 - 1917 Ramp	6.95 m <sup>3</sup>	0.00 m³	-6.94 m³	4.82 m²	4.89 m²
Acera	1910.5 Concrete Pad	0.21 m <sup>3</sup>	1.77 m²	1.56 m³	4.50 m²	4.50 m²
Acera	1910.5 Sidewalk	3.95 m²	8.17 m <sup>3</sup>	4.22 m <sup>3</sup>	27.39 m²	27.39 m²
Acera	1913 - 1910.5 Ramp	5.31 m <sup>3</sup>	9.27 m³	3.96 m³	25.28 m²	25.40 m²
Acera	1920 Concrete Pad	0.59 m <sup>3</sup>	0.00 m³	-0.59 m³	2.80 m²	2.80 m²
Acera	1918.5 Concrete Pad	0.09 m <sup>a</sup>	1.00 m³	0.91 m³	2.21 m²	2.21 m²
Acera	1916.5 Concrete Pad 2	0.00 m²	1.21 m²	1.21 m²	2.30 m²	2.30 m²
Acera	1916.5 Concrete Pad	2.83 m <sup>3</sup>	0.00 m³	-2.83 m³	6.86 m²	6.86 m²
Acera	1915 Concrete Pad	22.03 m²	2.28 m²	-19.74 m²	44.20 m²	44.20 m²
Acera	1914 Concrete Pad	0.91 m <sup>a</sup>	0.27 m³	-0.64 m <sup>3</sup>	3.72 m²	3.72 m²
Acera	1908.5 Concrete Pad	1.20 m²	1.60 m²	0.41 m <sup>a</sup>	7.35 m²	7.35 m²
Acera	1906.5 Concrete Pad	0.38 m <sup>a</sup>	0.43 m³	0.05 m³	2.26 m²	2.26 m²
Acera	1905 Concrete Pad	1.21 m²	0.06 m²	-1.15 m²	2.60 m²	2.60 m²
Acera	1902.5 Concrete Pad	0.31 m <sup>a</sup>	0.37 m³	0.05 m <sup>3</sup>	2.18 m²	2.18 m²
Acera	1900.5 Concrete Pad	0.29 m <sup>a</sup>	0.21 m <sup>2</sup>	-0.08 m <sup>3</sup>	2.37 m²	2.37 m²
Acera	1899.5 Concrete Pad	0.17 m <sup>3</sup>	0.22 m³	0.05 m³	1.75 m²	1.75 m²
Acera	1896 Concrete Pad	0.17 m <sup>2</sup>	0.05 m³	-0.12 m <sup>3</sup>	1.33 m²	1.33 m²
Acera	1893 Concrete Pad	0.86 m <sup>a</sup>		-0.86 m³	2.01 m²	2.01 m²
Acera	1890 Concrete Pad	0.58 m <sup>3</sup>	0.00 m²	-0.58 m <sup>2</sup>	1.04 m²	1.04 m²
Acera	1887.5 Concrete Pad	1.10 m <sup>2</sup>	0.00	-1.10 m²	1.98 m²	1.98 m²

				Net	Projected	Surface	
Comments	Name	Cut	Fil	cut/fill	Area	Area	
Acera	1885 Concrete Pad	0.33 m <sup>3</sup>	0.13 m²	-0.20 m <sup>3</sup>	1.97 m²	1.97 m²	
Acera	1921 - 1918.5 Ramp	20.54 m³	0.28 m²	-20.26 m²	24.73 m²	24.92 m²	
Acera	1918.5 - 1917.5 Ramp 2	2.09 m²	1.01 m²	-1.08 m³	13.09 m²	13.12 m²	
Acera	1917.5 Concrete Pad	0.19 m²	0.79 m²	0.60	4.34 m²	4.34 m²	
Acera	1918.5 - 1917.5 Ramp	0.40 m²	8.51 m²	8.11 m³	18.26 m²	18.31 m²	
Acera	1917.5 - 1916.5 Ramp	0.03 m²	7.03 m²	7.00 m³	19.73 m²	19.76 m²	
Acera	1916.5 - 1914 Ramp	0.50 m²	6.79 m²	6.29 m³	21.02 m²	21.22 m²	
Acera	1914 Sidewalk	13.64 m³	0.26	-13.37 m²	25.96 m²	25.96 m²	
Acera	1914 - 1910.5 Ramp	0.06 m²	20.48 m³	20.42 m³	30.69 m²	30.98 m²	
Acera	1910.5 - 1908.5 Ramp	0.98 m²	12.14 m²	11.16 m³	17.56 m²	17.73 m²	
Acera	1910.5 Sidewalk 2	0.00 m²	10.42 m³	10.42	8.64 m²	8.64 m²	
Acera	1909.5 Sidewalk	0.00 m²	6.53 m²	6.53 m <sup>3</sup>	8.68 m²	8.68 m²	
Acera	1910.5 - 1909.5 Ramp	0.00 m²	24.13 m²	24.13 m³	18.59 m²	18.63 m²	
Acera	1909.5 - 1908.5 Ramp	2.55 m²	10.47 m²	7.92 m²	25.34 m²	25.38 m²	
Acera	1906.5 - 1905 Ramp	0.73 m²	5.92 m³	5.20 m³	14.55 m²	14.67 m²	
Acera	1905 - 1902.5 Ramp	0.14 m²	26.22 m²	26.08 m²	21.83 m²	22.04 m²	
Acera	1900.5 - 1899.5 - Ramp 2	0.60 m²	1.17 m²	0.58 m³	8.57 m²	8.66 m <sup>2</sup>	
Acera	1899.5 Sidewalk 2	0.07 m²	8.67	8.60 m³	17.45 m²	17.45 m²	
Acera	1899.5 Sidewalk	3.60 m²	27.50 m²	23.90 m³	56.53 m²	56.53 m²	
Acera	1900.5 - 1899.5 - Ramp	0.08 m²	15.59 m²	15.52 m <sup>3</sup>	22.02 ==*	22.06 m²	
Acera	1890 - 1887.5 Ramp	26.92 m³	0.00	-26.92 m³	28.24 m²	28.40	
Acera	ASSUMED Concrete Pad	0.59 m²	0.00 m²	-0.59 m³	2.95 m²	2.95 m²	
Acera	2021 Sidewalk	1,40 m²	0.75 m²	-0.65	9.27 m²	9.27 m²	
Cuarto de Basuras	Dump Bidg	4.63 m²	0.00 m²	-4.63 m <sup>3</sup>	18.41 ==2	18.41 m²	
Cuarto de	Laundry Bidg	4.77 m²	14.10	9.32	30.62 m <sup>2</sup>	30.62	

	Mo	ovimiento	s De tier	ras			
Comments	Name	Cut	Fill	Net cutfill	Projected Area	Surface Area	
Escalera	1921-1917 Stairs	0.09 m²	2.02 m³	1.93 m²	5.59 m²	6.64 m²	
Escalera	1917-1913 Stairs	0.59 m²	1.54 m²	0.95 m³	6.51 m²	7.20 m/	
Escalera	1908.5 - 1906.5 Stairs	0.61 m <sup>2</sup>	2.40 m³	1.79 m³	9.45 m²	9.76 m²	
Escalera	1902.5 - 1900.5 Stairs	0.26 m²	5.19 m²	4.93 m <sup>3</sup>	11.35 m²	11.60 m <sup>2</sup>	
Escalera	1899.5 - 1896 Stairs	0.08 m <sup>2</sup>	6.08 m²	5.99 m³	10.22 m²	11.09 m²	
Escalera	1896 - 1893 Stairs	2.92 m²	0.66 m³	-2.27 m³	9.36 m²	10.05 m²	
Escalera	1893 - 1890 Stairs	1.22 m <sup>3</sup>	7.33 m³	6.11 m³	17.20 m²	17.61 m²	
Escalera	1887.5 - 1885 Stairs	2.84 m <sup>3</sup>	0.29 m³	-2.55 m²	13.17 m²	13.50 m²	
Escalera	1885 - 1880 Stairs	0.06 m <sup>2</sup>	2.19 m³	2.13 m³	7.43 m²	8.82 m²	
Escalera Zonas Comunes	Common zones M 0 Stairs	7.75 m²	0.00 m³	-7.75 m³	6.31 m²	6.99 m/	
Escalon 1	Stair 1 Pool zone	4.98 m²	26.27 m³	21.30 m³	50.37 m²	50.37 m <sup>a</sup>	
Escalon 2	Stair 2 Pool zone	3.53 m²	2.44 m²	-1.09 m <sup>3</sup>	16.17 m²	16.17 m²	
Escalon 3			4.93 m <sup>2</sup>	1.27 m <sup>3</sup>	-3.67 m <sup>3</sup>	14.93 m²	14.93 m <sup>a</sup>
Escalon 4				7.58 m²	0.54 m²	-7.03 m³	16.26 m²
Escalon 5	Stair 5 Pool zone	6.45 m <sup>a</sup>	0.02 -6.42 m³ m³		10.70 m²	10.70 m <sup>2</sup>	
Parqueade 10	Parking Section 1	0.00 m²	133.23 m²	133.2 3 m²	102.83 m²	102.83 m <sup>2</sup>	
Parqueade 10	Parking Section 3	10.55 m³	144.93 m²	134.3 8 m²	305.16 m²	305.16 m <sup>2</sup>	
Parqueade ro	Parking Section 2	0.00 m²	519.42 m²	519.4 2 m²	380.62 m²	383.48 m²	
Piscina	Mechanic Room	40.28 m³	0.00 m²	-40.28 m³	14.40 m²	14.40 m²	
Piscina piso -1	Pool M -1	33.38 m²	1.78 m²	-31.60 m <sup>2</sup>	53.47 m²	53.47 m²	
Piscina piso -2	Pool M -2	32.09 m³	0.00 m'	-32.09 m³	33.15 m²	33.15 m²	
Zona comun Piso 0	Common Zones M 0	56.83 m²	0.15 m³	-56.68 m³	144.60 m²	144.60 m²	
Zona comun Piso 0	Common Zones M 0	14.62 m³	0.11 m <sup>a</sup>	-14.50 m³	38.64 m²	38.64 m²	
Zona comun piso -1	Common Zones M -1	234.10 m³	0.30 m³	-233.8 1 m²	193.00 m²	193.00 m²	



#### **BIM ESTIMATING SAMPLES - REBAR**

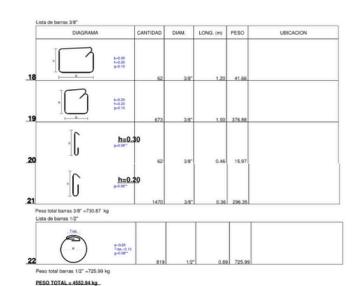
DESPIECE ACERO ZONAS COMUNES - COLUMNAS



DESPIECE ACERO ZONAS COMUNES - COLUMNAS



DIAGRAMA	CANTIDAD	DIAM.	LONG. (m)	PESO	UBICACION
6.96	26	7.81	6.95	549.69	
5.05	6	7/8"	5.40	98.56	
2.65	6	7/8"	3.65	66.62	
so total barras 7/8" =714.87 kg					
ta de barras 3/4"					
486	40	34*	5.15	460.41	
so total barras 3/4" =460.41 kg					
ta de barras 5/8"					
6.45	3	58"	6.65	30.96	
0.25	7	5/8"	5.30	57.58	
0.25	16	5/8"	5.25		
0.25	68	58"		538.23	
345	23	5/8"		130.29	
0.25					
so total barras 5/8" =992.35 kg	26	5/8"	2.60	104.92	
ta de barras 1/2"					
6.60	48	1/2"	6.60	314.90	
5.05	8	12"	5.25	41.75	
0.20	20	1/2"	5.20	103.38	
0.20	74	12"	5.05		
3.60	8	12"	3.65	29.02	
0.20	3	1/2"	2.25	6.71	
0.20	28	1/2"	2.20	61.23	





### **ESTIMATING SAMPLES - UTILITIES**

5" Stainless Steel Di	5" Stainless Steel Direct Buried									
Туре	WIDTH (ft)	Height (ft)								
5" Stainless Steel Direct Buried	0.00	0.00								

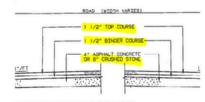
	Trench Info										
Width Trench (ft) Stainless Steel Conduits Diameter (in) # Conduits (e.											
4.0	4	1									
6" Gravel base (ft)	0.50										

#### **ON DIRT**

INITIAL STATION	FINAL STATION	LENGTH DUCT BANK (LF)	B/F depth (ft) -on top of pipe DB	DEPTH OF EXCAVATION (VF)	Spoils (CY)	EXC. VOL (CY)	#57 bedding Stone Vol (CY)	VOL OF BACKFILL (CY)	Length of 8" Stainless Steel Conduit (LF)	Saw Cutting (LF)
Edge "A"	Pothead A	51.00	9.00	9.50	3.78	71.78	3.78	68.00	51.00	102.00
Edge "A"	Pothead B	63.00	10.00	10.50	4.67	98.00	4.67	93.33	63.00	126.00
Edge "A"	Pothead C	73.00	10.00	10.50	5.41	113.56	5.41	108.15	73.00	146.00
		187			14	283	14	269	187	374
							23			
							TON			

	ELEMENTS												
Accesories	Individual Quantity (ea)	#conduits 🔟	TOTAL quantities (EA)	Detail / Profile / Planview									
5" Feeder Stainless Steel 90° Long Sweep Bend	3	1	3	UK									
5" Feeder Stainless Steel 22.5° Long Sweep Bend	3	1	3	UK									
5" Feeder Stainless Steel 11.25° Long Sweep Bend	1	1	1	UK									

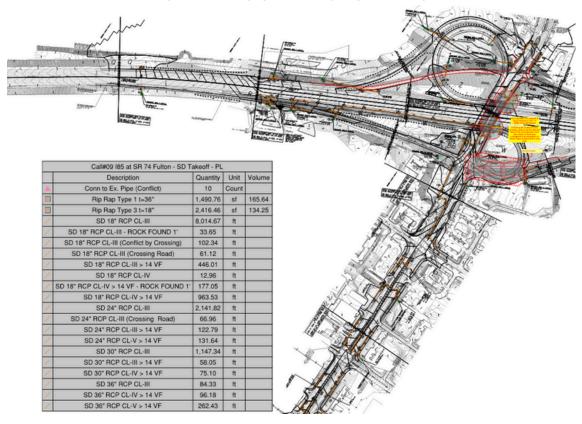
New Road	New Road										
Description	CY	TON									
Stone #57	14	23									
Trench BF	244.0	488									
8" Crushed Stone	19.0	38									
3" Asphalt	7.0	15									
3" Asphalt Spoils	284										



"CONTINUOUS CREOSOTED WOOD EDGING STRIP RE IN PLACE WITH CREOSOTED 2"-4" STAKES "LG 4"-0" O.C.(TYP) WHEN CALLED FOR ON 'ON DRAWING



#### **ESTIMATING SAMPLES - UTILITIES**





## **ESTIMATING SAMPLES - CONCRETE**

				PILES CO			
ITEM	DESCRIPTION	QTY (EA)	DIAMETER (FT)	PILES SCI AREA (SFT)	LENGTH (FT)	VOLUME (CYD)	DETAIL
1	345Kv Bus Support (P1To P3)	3	3.5	9.63	30	32	A A STATE OF THE PROPERTY OF T
2	345Kv C.C.V.T. (P4 To P6)	3	3.5	9,63	30	32	The state of the s

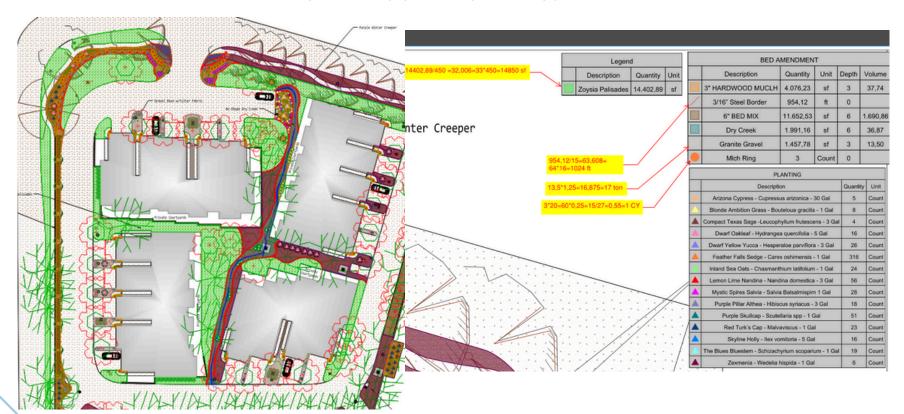


## **ESTIMATING SAMPLES - REBAR**

	PILES REBAR PILES REBAR														
						Vertical Bars									
ELEMENT	QTY	# BARS	SIZE	LENGTH (FT)	HOOK (FT)	SPLICE LENGTH (FT)	TOTAL LENGTH (FT)	WEIGHT (LB/FT)	TOTAL WEIGHT (LB)	TOTAL WEIGHT (TON)					
345Kv Bus Support (P1 To P3)	3	18	#8	29.83	1.33	9.16	2177.28	2.67	5813.34	2.91					
345Kv C.C.V.T. (P4 To P6)	3	18	#8	29.83	1.33	9.16	2177.28	2.67	5813.34	2.91					
345Kv Disconnect Switch (P7 To P10)	4	18	#8	29.83	1.33	9.16	2903.04	2.67	7751.12	3.88					
Tower Foundations (P11 To P14)	4	40	#11	39.83	1.33	13.76	8787.20	2.67	23461.82	11.73					
138Kv Bus Support (P15 To P17)	3	18	#8	29.83	1.33	9.16	2177.28	2.67	5813.34	2.91					
Lightning Mast (P18 To P19)	2	16	#8	38.83	2.66	9.16	1620.80	2.67	4327.54	2.16					
138Kv Pothead (P20 To P21)	2	18	#8	29.83	1.33	9.16	1451.52	2.67	3875.56	1.94					
138Kv Transformer And Par Moat Mat (P22 To P131)	110	6	#6	32.58	1	9.16	28208.40	2.67	75316.43	37.66					
Breaker And Disconnect Switch Pad (P132 To P155)	24	6	#6	32.58	1	9.16	6154.56	2.67	16432.68	8.22					
Deluge House Enclosure (P156 To P159)	4	6	#6	32.58	1	9.16	1025.76	2.67	2738.78	1.37					
				-	TOTAL (T	ON)				75.67					

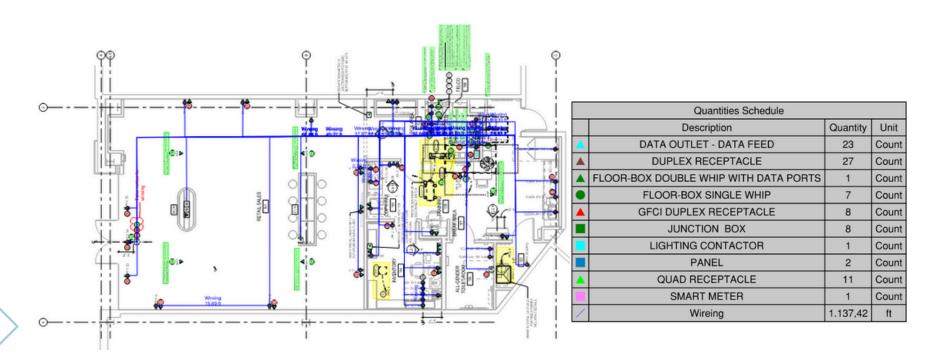


#### **ESTIMATING SAMPLES - LANDSCAPE**





#### **ESTIMATING SAMPLES - ELECTRICAL**





### **ESTIMATING SAMPLES - ELECTRICAL**

#### CO1|Electrical System Installation: Electrical Fixtures, Wiring, Conduits and Related

Part Code	Supplier Code	Category	Qty	Type	Description	Material	Lab. Hours	Labor	Sub. Cont	Total
		1 PROJECT	3000.	Dollars	Misc. General Items	\$3 000.00	0.	\$0.00	\$0.00	\$3 000.00
		PREPARATION								
		25 ELECTRICAL	8.	Pieces	Junction Box	\$400.00	100.	\$4 000.00	\$0.00	\$4 400.00
		25 ELECTRICAL	7.	Pieces	Floor-Box Single Whip	\$318.92	112.5	\$4 500.00	\$0.00	\$4818.92
		25 ELECTRICAL	1138.	Lin.	WIRE#12n THHN WHITE	\$1500.00	50.	\$2 000.00	\$0.00	\$3 500.00
				Feet						
		25 ELECTRICAL	1139.	Lin.	Wire #12 THHN Green	\$1 500.00	50.	\$2 000.00	\$0.00	\$3 500.00
				Feet	(GND)					
		25 ELECTRICAL	1137.	Lin.	WIRE#12 THHN BLACK	\$1 500.00	50.	\$2 000.00	\$0.00	\$3 500.00
				Feet						
		25 ELECTRICAL	1140.	Lin.	3/4" EMT Pipe	\$2 500.00	150.	\$6 000.00	\$0.00	\$8 500.00
				Feet						
		25 ELECTRICAL	27.	Pieces	Electrical Outlet -	\$2 500.00	0.	\$6 000.00	\$0.00	\$8 500.00
		25 ELECTRICAL	8.	Pieces	Electrical Outlet - GFI	\$1 200.00	0.	\$2 500.00	\$0.00	\$3 700.00
		25 ELECTRICAL	11.	Pieces	Electrical Outlet -	\$1800.00	0.	\$3 000.00	\$0.00	\$4 800.00
		25 ELECTRICAL	1.	Lin.	WIRE #6 THHN GREEN	\$100.00	2.5	\$100.00	\$0.00	\$200.00
				Feet	(GND)					
		25 ELECTRICAL	15.	Lin.	4" EMT Conduit	\$500.00	2.5	\$100.00	\$0.00	\$600.00
				Feet						
		25 ELECTRICAL	1.	Lin.	2-1/2" EMT Conduit	\$10.70	8.	\$320.00	\$0.00	\$330.70
				Feet						
		25 ELECTRICAL	1.	Pieces	Floor-Box Double Whip	\$100.00	10.	\$400.00	\$0.00	\$500.00
		25 ELECTRICAL	11.	Lin.	1-1/4" EMT Conduit	\$500.00	25.	\$1 000.00	\$0.00	\$1500.00
				Feet						
		25 ELECTRICAL	23.	Pieces	Data Outlet - Data Feed	\$1 500.00	70.	\$2 800.00	\$0.00	\$4 300.00
		25 ELECTRICAL	32.	Lin.	3-1/2" Conduit	\$100.00	10.	\$400.00	\$0.00	\$500.00
				Feet						

