



BUILDING SMARTER DECISIONS

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# About Us

BIMCORE Solutions is a Latin American AEC technology company built on a simple belief: construction runs on decisions, and better decisions start with better information. From our base in Medellín, Colombia, we work with contractors across the United States and Latin America – not just delivering BIM estimating, modeling, and coordination, but rethinking how it's done.

We're a young team with an engineer's mindset and real field experience. We know a takeoff isn't a spreadsheet – it's a margin. A model isn't a file – it's a project that either comes together or falls apart on site. That's why we don't just provide services; we build our own technology for the industry.

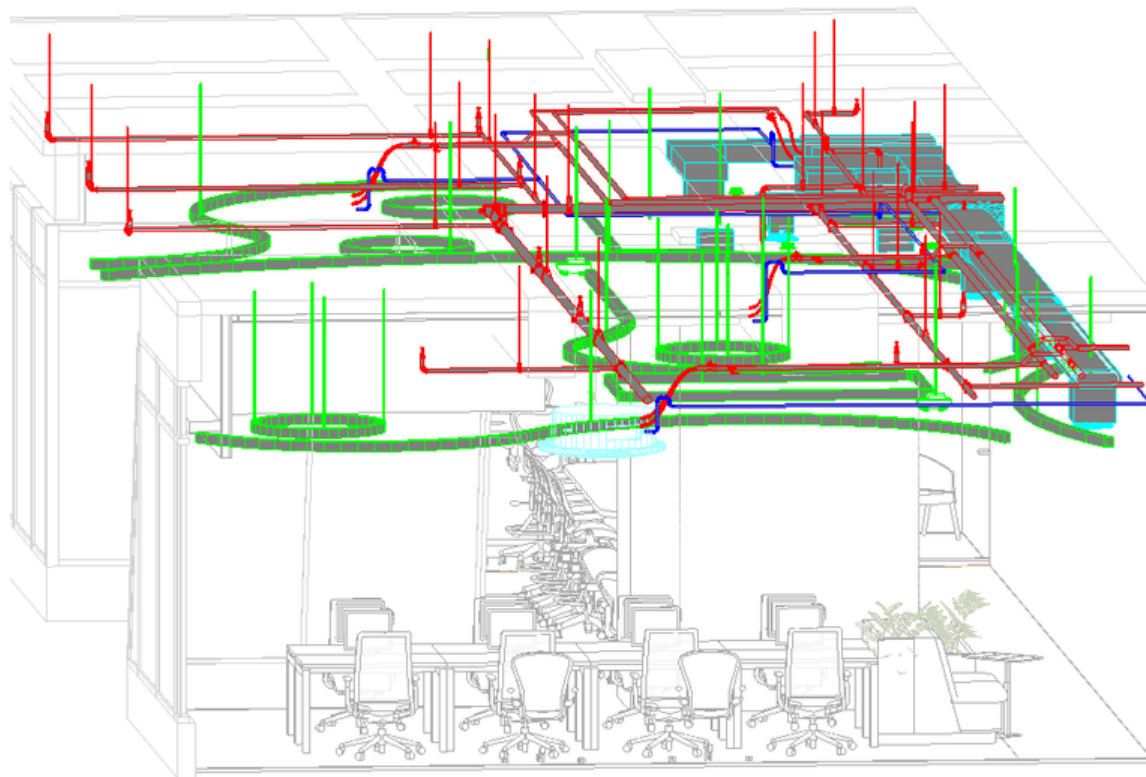
Bilingual and precise, we bring the ambition of a startup and the discipline of a team trusted on real projects – with a 98% client satisfaction rate to show for it. We're here to raise the bar for construction technology in our region – and to put enterprise-grade BIM and estimating within reach of every builder, whatever their size.

**contract**  
workplaces



**mercado  
libre**

## COORDINACIÓN BIM

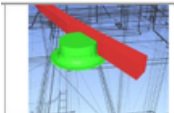
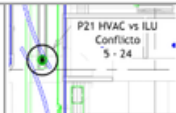
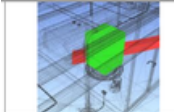
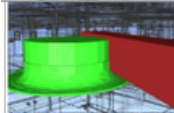
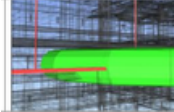
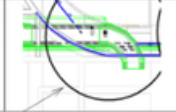
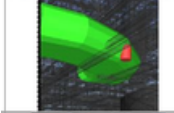
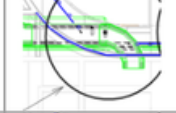
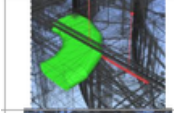
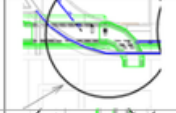
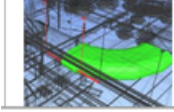


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## COORDINACIÓN BIM

|           |      |             |           |                                                         |                                                                                     |                                                                                     |
|-----------|------|-------------|-----------|---------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CL-021.14 | HVAC | iluminación | P21 - 2/C | Equipo HVAC colisiona contra iluminación arquitectónica |  |  |
| CL-021.15 | HVAC | iluminación | P21 - 2/B | Equipo HVAC colisiona contra iluminación arquitectónica |  |  |
| CL-021.16 | HVAC | iluminación | P21 - 2/B | Equipo HVAC colisiona contra iluminación arquitectónica |  |  |
| CL-021.17 | HVAC | iluminación | P21 - 2/F | Ducto HVAC colisiona contra iluminación arquitectónica  |  |  |
| CL-021.18 | HVAC | iluminación | P21 - 2/F | Ducto HVAC colisiona contra iluminación arquitectónica  |  |  |
| CL-021.19 | HVAC | iluminación | P21 - 2/F | Ducto HVAC colisiona contra iluminación arquitectónica  |  |  |
| CL-021.20 | HVAC | iluminación | P21 - 2/D | Ducto HVAC colisiona contra iluminación arquitectónica  |  |  |





BIM MODELING AND COORDINATION

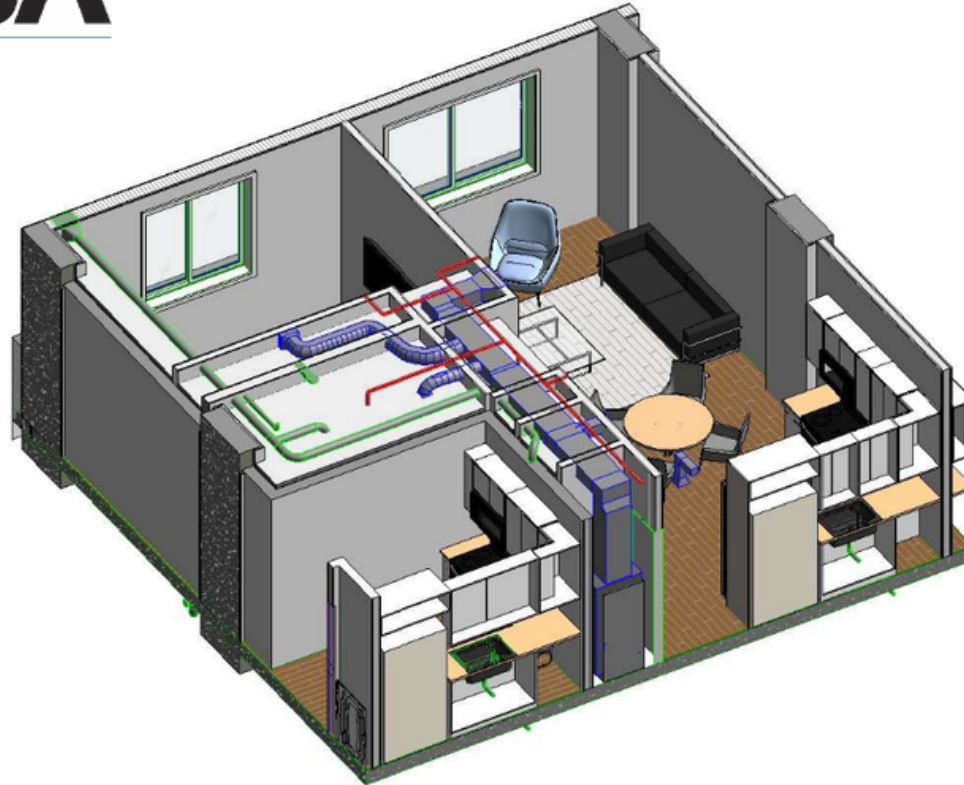


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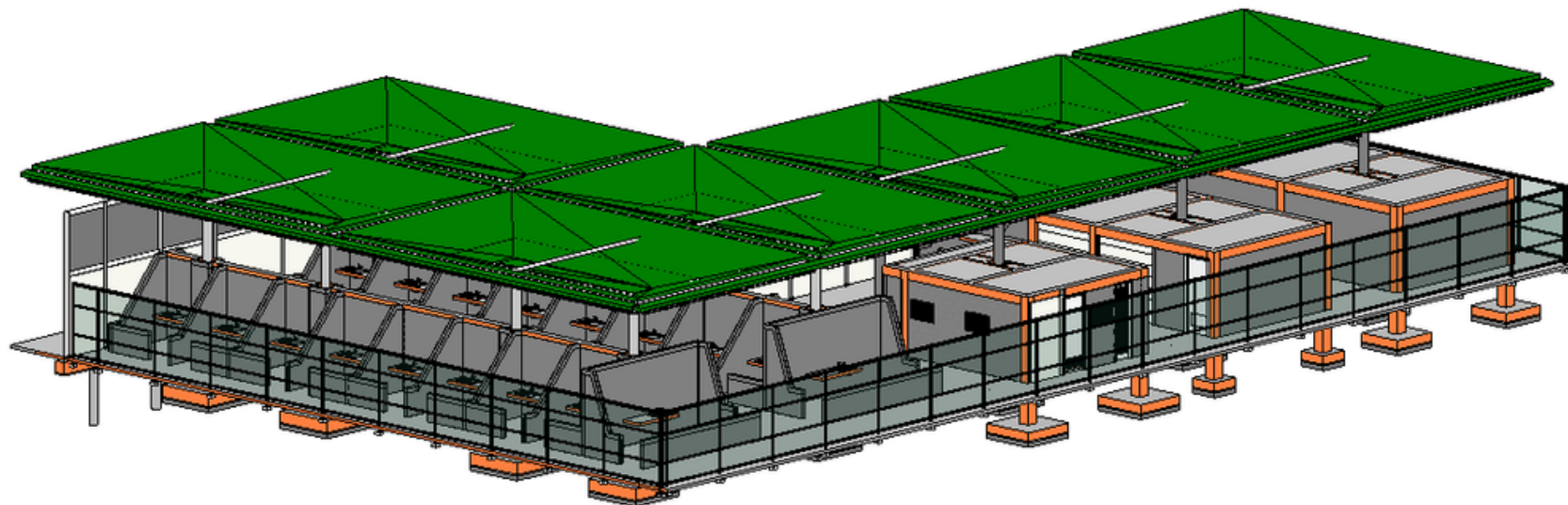
## BIM MODELING AND COORDINATION



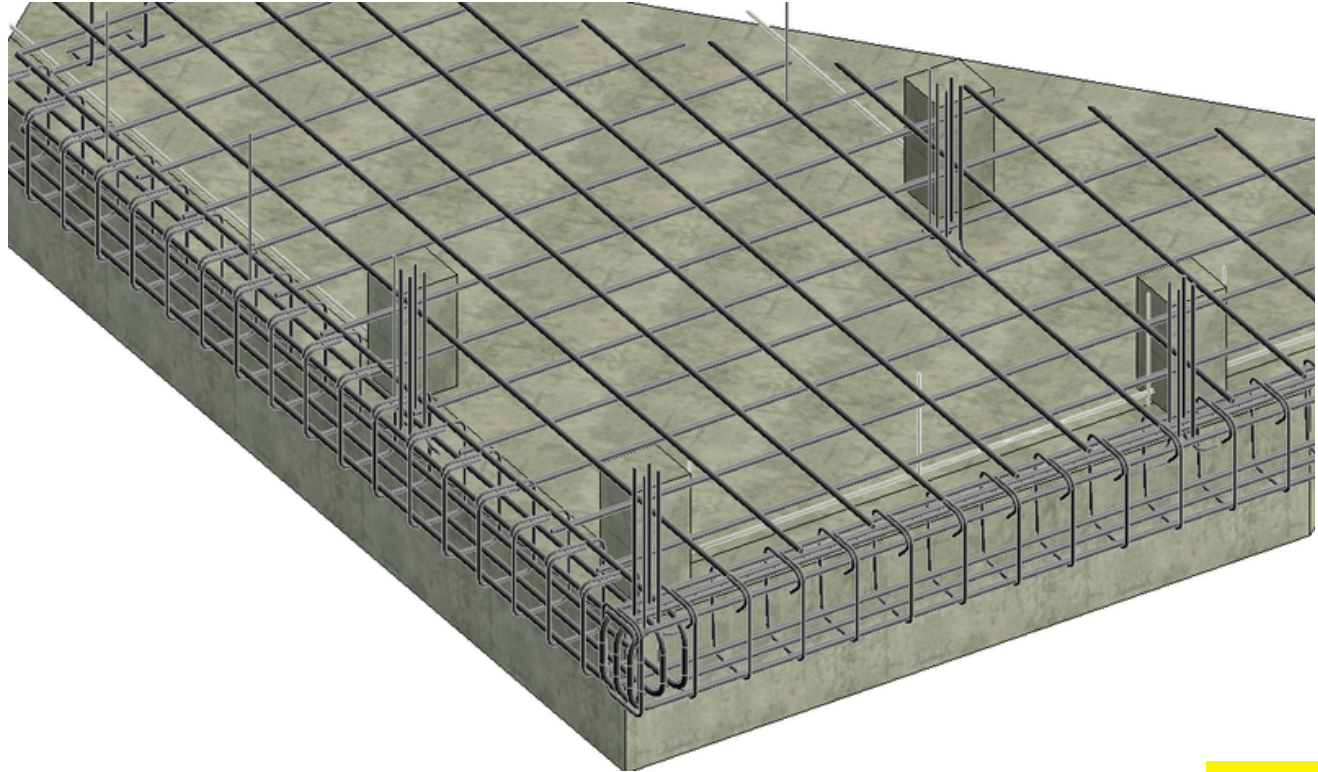
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## BIM MODELING AND COORDINATION



## BIM MODELING AND COORDINATION - REBAR

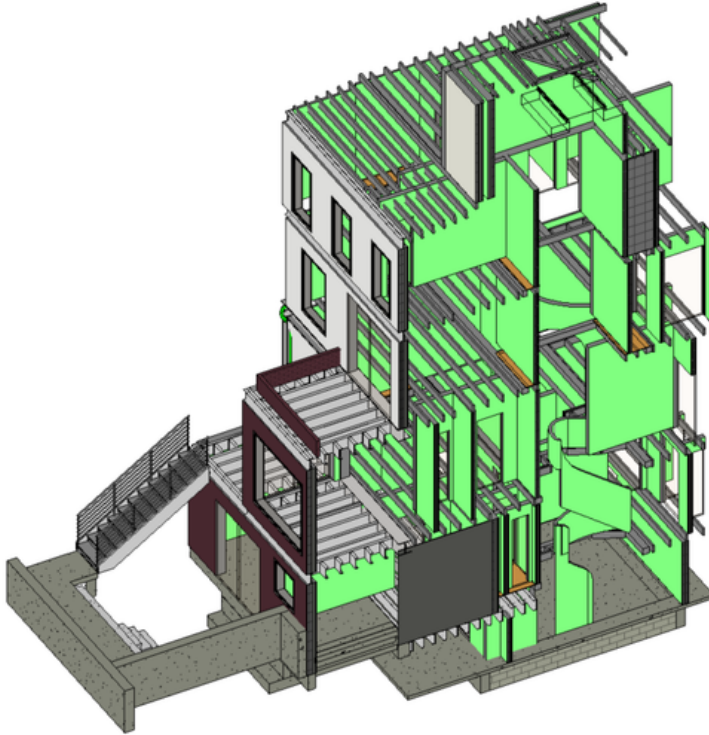


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## BIM MODELING AND COORDINATION - REFORMING

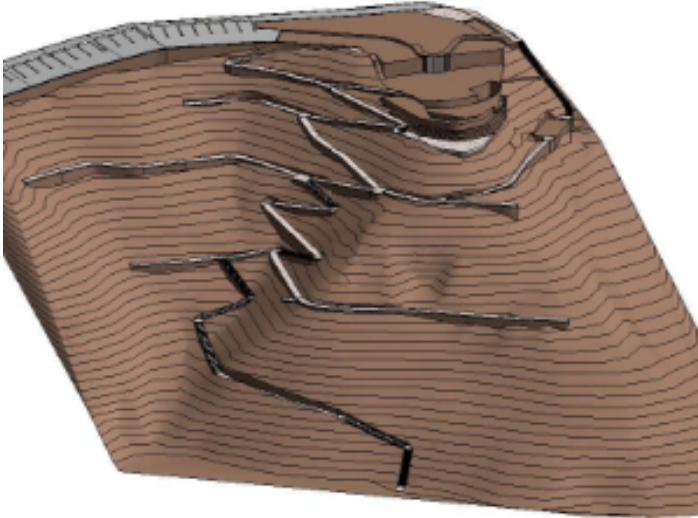


**CONSTRUCT**



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## BIM MODELING AND COORDINATION - EARTHWORK

| Movimientos De tierras |                       |          |         |              |                |              |
|------------------------|-----------------------|----------|---------|--------------|----------------|--------------|
| Comments               | Name                  | Cut      | Fill    | Net cut/Fill | Projected Area | Surface Area |
| Acera                  | 1921 Sidewalk         | 6.49 m³  | 0.00 m³ | -6.49 m³     | 32.38 m²       | 32.38 m²     |
| Acera                  | 1921 Sidewalk         | 0.03 m³  | 0.85 m³ | 0.82 m³      | 26.72 m²       | 26.72 m²     |
| Acera                  | 1917 Concrete Pad     | 0.01 m³  | 0.03 m³ | 0.04 m³      | 0.47 m²        | 0.47 m²      |
| Acera                  | 1913 Concrete Pad     | 0.00 m³  | 3.21 m³ | 3.21 m³      | 2.50 m²        | 2.50 m²      |
| Acera                  | 1913 Concrete Pad 2   | 0.00 m³  | 4.15 m³ | 4.15 m³      | 2.39 m²        | 2.39 m²      |
| Acera                  | 1918.5 - 1917 Ramp    | 6.95 m³  | 0.00 m³ | -6.94 m³     | 4.82 m²        | 4.89 m²      |
| Acera                  | 1910.5 Concrete Pad   | 0.21 m³  | 1.77 m³ | 1.56 m³      | 4.50 m²        | 4.50 m²      |
| Acera                  | 1910.5 Sidewalk       | 3.95 m³  | 8.17 m³ | 4.22 m³      | 27.39 m²       | 27.39 m²     |
| Acera                  | 1913 - 1910.5 Ramp    | 5.31 m³  | 9.27 m³ | 3.96 m³      | 25.28 m²       | 25.40 m²     |
| Acera                  | 1920 Concrete Pad     | 0.59 m³  | 0.00 m³ | -0.59 m³     | 2.80 m²        | 2.80 m²      |
| Acera                  | 1918.5 Concrete Pad   | 0.09 m³  | 1.00 m³ | 0.91 m³      | 2.21 m²        | 2.21 m²      |
| Acera                  | 1916.5 Concrete Pad 2 | 0.00 m³  | 1.21 m³ | 1.21 m³      | 2.30 m²        | 2.30 m²      |
| Acera                  | 1916.5 Concrete Pad   | 2.83 m³  | 0.00 m³ | -2.83 m³     | 6.86 m²        | 6.86 m²      |
| Acera                  | 1915 Concrete Pad     | 22.03 m³ | 2.28 m³ | -19.74 m³    | 44.20 m²       | 44.20 m²     |
| Acera                  | 1914 Concrete Pad     | 0.91 m³  | 0.27 m³ | -0.64 m³     | 3.72 m²        | 3.72 m²      |
| Acera                  | 1908.5 Concrete Pad   | 1.20 m³  | 1.60 m³ | 0.41 m³      | 7.35 m²        | 7.35 m²      |
| Acera                  | 1906.5 Concrete Pad   | 0.38 m³  | 0.43 m³ | 0.05 m³      | 2.26 m²        | 2.26 m²      |
| Acera                  | 1905 Concrete Pad     | 1.21 m³  | 0.06 m³ | -1.15 m³     | 2.60 m²        | 2.60 m²      |
| Acera                  | 1902.5 Concrete Pad   | 0.31 m³  | 0.37 m³ | 0.06 m³      | 2.18 m²        | 2.18 m²      |
| Acera                  | 1900.5 Concrete Pad   | 0.29 m³  | 0.21 m³ | -0.08 m³     | 2.37 m²        | 2.37 m²      |
| Acera                  | 1899.5 Concrete Pad   | 0.17 m³  | 0.22 m³ | 0.05 m³      | 1.75 m²        | 1.75 m²      |
| Acera                  | 1896 Concrete Pad     | 0.17 m³  | 0.05 m³ | -0.12 m³     | 1.33 m²        | 1.33 m²      |
| Acera                  | 1893 Concrete Pad     | 0.86 m³  | 0.00 m³ | -0.86 m³     | 2.01 m²        | 2.01 m²      |
| Acera                  | 1890 Concrete Pad     | 0.58 m³  | 0.00 m³ | -0.58 m³     | 1.04 m²        | 1.04 m²      |
| Acera                  | 1887.5 Concrete Pad   | 1.10 m³  | 0.00 m³ | -1.10 m³     | 1.98 m²        | 1.98 m²      |

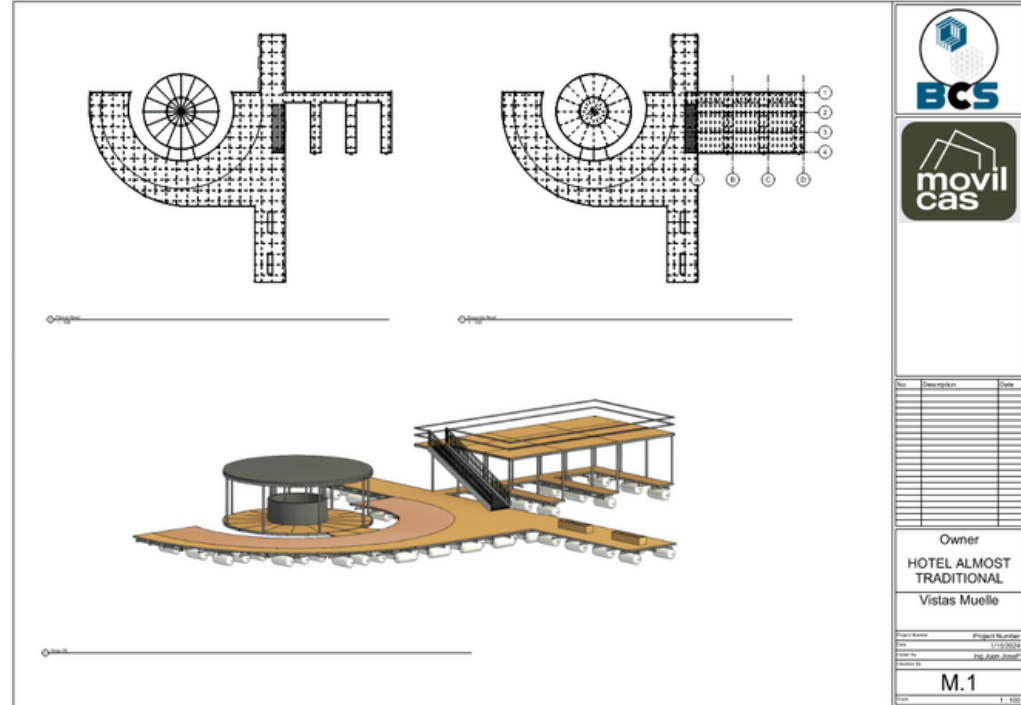
| Movimientos De tierras |                        |          |          |              |                |              |
|------------------------|------------------------|----------|----------|--------------|----------------|--------------|
| Comments               | Name                   | Cut      | Fill     | Net cut/Fill | Projected Area | Surface Area |
| Acera                  | 1885 Concrete Pad      | 0.33 m³  | 0.13 m³  | -0.20 m³     | 1.97 m²        | 1.97 m²      |
| Acera                  | 1921 - 1918.5 Ramp     | 20.54 m³ | 0.28 m³  | -20.26 m³    | 24.73 m²       | 24.92 m²     |
| Acera                  | 1918.5 - 1917.5 Ramp 2 | 2.09 m³  | 1.01 m³  | -1.08 m³     | 13.09 m²       | 13.12 m²     |
| Acera                  | 1917.5 Concrete Pad    | 0.19 m³  | 0.79 m³  | 0.60 m³      | 4.34 m²        | 4.34 m²      |
| Acera                  | 1918.5 - 1917.5 Ramp   | 0.40 m³  | 8.51 m³  | 8.11 m³      | 18.26 m²       | 18.31 m²     |
| Acera                  | 1917.5 - 1916.5 Ramp   | 0.03 m³  | 7.03 m³  | 7.00 m³      | 19.73 m²       | 19.76 m²     |
| Acera                  | 1916.5 - 1914 Ramp     | 0.50 m³  | 6.79 m³  | 6.29 m³      | 21.02 m²       | 21.22 m²     |
| Acera                  | 1914 Sidewalk          | 13.64 m³ | 0.26 m³  | -13.37 m³    | 25.96 m²       | 25.96 m²     |
| Acera                  | 1914 - 1910.5 Ramp     | 0.06 m³  | 20.48 m³ | 20.42 m³     | 30.69 m²       | 30.98 m²     |
| Acera                  | 1910.5 - 1908.5 Ramp   | 0.98 m³  | 12.14 m³ | 11.16 m³     | 17.56 m²       | 17.73 m²     |
| Acera                  | 1910.5 Sidewalk 2      | 0.00 m³  | 10.42 m³ | 10.42 m³     | 8.64 m²        | 8.64 m²      |
| Acera                  | 1909.5 Sidewalk        | 0.00 m³  | 6.53 m³  | 6.53 m³      | 8.68 m²        | 8.68 m²      |
| Acera                  | 1910.5 - 1909.5 Ramp   | 0.00 m³  | 24.13 m³ | 24.13 m³     | 18.59 m²       | 18.63 m²     |
| Acera                  | 1909.5 - 1908.5 Ramp   | 2.55 m³  | 10.47 m³ | 7.92 m³      | 25.34 m²       | 25.38 m²     |
| Acera                  | 1906.5 - 1905 Ramp     | 0.73 m³  | 5.92 m³  | 5.20 m³      | 14.55 m²       | 14.67 m²     |
| Acera                  | 1905 - 1902.5 Ramp     | 0.14 m³  | 26.22 m³ | 26.08 m³     | 21.83 m²       | 22.04 m²     |
| Acera                  | 1899.5 - Ramp 2        | 0.60 m³  | 1.17 m³  | 0.58 m³      | 8.57 m²        | 8.66 m²      |
| Acera                  | 1899.5 Sidewalk 2      | 0.07 m³  | 8.67 m³  | 8.60 m³      | 17.45 m²       | 17.45 m²     |
| Acera                  | 1899.5 Sidewalk        | 3.60 m³  | 27.50 m³ | 23.90 m³     | 56.53 m²       | 56.53 m²     |
| Acera                  | 1890.5 - Ramp          | 0.08 m³  | 15.59 m³ | 15.52 m³     | 22.02 m²       | 22.06 m²     |
| Acera                  | 1890 - 1887.5 Ramp     | 26.92 m³ | 0.00 m³  | -26.92 m³    | 28.24 m²       | 28.40 m²     |
| Acera                  | ASSURED Concrete Pad   | 0.59 m³  | 0.00 m³  | -0.59 m³     | 2.95 m²        | 2.95 m²      |
| Acera                  | 2021 Sidewalk          | 1.40 m³  | 0.75 m³  | -0.65 m³     | 9.27 m²        | 9.27 m²      |
| Cuarto de Basuras      | Dump Bldg              | 4.63 m³  | 0.00 m³  | -4.63 m³     | 18.41 m²       | 18.41 m²     |
| Cuarto de Lavado       | Laundry Bldg           | 4.77 m³  | 14.10 m³ | 9.32 m³      | 30.62 m²       | 30.62 m²     |

| Movimientos De tierras |                        |           |           |              |                |              |
|------------------------|------------------------|-----------|-----------|--------------|----------------|--------------|
| Comments               | Name                   | Cut       | Fill      | Net cut/Fill | Projected Area | Surface Area |
| Escalera               | 1921-1917 Stairs       | 0.09 m³   | 2.02 m³   | 1.93 m³      | 5.59 m²        | 6.64 m²      |
| Escalera               | 1917-1913 Stairs       | 0.59 m³   | 1.54 m³   | 0.95 m³      | 6.51 m²        | 7.20 m²      |
| Escalera               | 1908.5 - 1906.5 Stairs | 0.61 m³   | 2.40 m³   | 1.79 m³      | 9.45 m²        | 9.76 m²      |
| Escalera               | 1902.5 - 1900.5 Stairs | 0.26 m³   | 5.19 m³   | 4.93 m³      | 11.35 m²       | 11.60 m²     |
| Escalera               | 1899.5 - 1896 Stairs   | 0.08 m³   | 6.08 m³   | 5.99 m³      | 10.22 m²       | 11.09 m²     |
| Escalera               | 1896 - 1893 Stairs     | 2.92 m³   | 0.66 m³   | -2.27 m³     | 9.36 m²        | 10.05 m²     |
| Escalera               | 1893 - 1890 Stairs     | 1.22 m³   | 7.33 m³   | 6.11 m³      | 17.20 m²       | 17.61 m²     |
| Escalera               | 1887.5 - 1885 Stairs   | 2.84 m³   | 0.29 m³   | -2.55 m³     | 13.17 m²       | 13.50 m²     |
| Escalera               | 1885 - 1880 Stairs     | 0.06 m³   | 2.19 m³   | 2.13 m³      | 7.43 m²        | 8.82 m²      |
| Escalera               | Common Zones Isl 0     | 7.75 m³   | 0.00 m³   | -7.75 m³     | 6.31 m²        | 6.99 m²      |
| Escalera               | Common Zones Isl 1     | 4.98 m³   | 26.27 m³  | 21.30 m³     | 50.37 m²       | 50.37 m²     |
| Escalera               | Stair 1 Pool zone      | 3.53 m³   | 2.44 m³   | -1.09 m³     | 16.17 m²       | 16.17 m²     |
| Escalera               | Stair 2 Pool zone      | 4.93 m³   | 1.27 m³   | -3.67 m³     | 14.93 m²       | 14.93 m²     |
| Escalera               | Stair 3 Pool zone      | 7.58 m³   | 0.54 m³   | -7.03 m³     | 16.26 m²       | 16.26 m²     |
| Escalera               | Stair 4 Pool zone      | 6.45 m³   | 0.02 m³   | -6.42 m³     | 10.70 m²       | 10.70 m²     |
| Escalera               | Stair 5 Pool zone      | 0.00 m³   | 133.23 m³ | 133.23 m³    | 102.83 m²      | 102.83 m²    |
| Escalera               | Stair 6 Pool zone      | 10.55 m³  | 144.93 m³ | 134.38 m³    | 305.16 m²      | 305.16 m²    |
| Escalera               | Stair 7 Pool zone      | 0.00 m³   | 519.42 m³ | 519.42 m³    | 380.62 m²      | 380.62 m²    |
| Escalera               | Stair 8 Pool zone      | 0.00 m³   | 40.28 m³  | -40.28 m³    | 14.40 m²       | 14.40 m²     |
| Escalera               | Stair 9 Pool zone      | 33.38 m³  | 1.78 m³   | -31.60 m³    | 53.47 m²       | 53.47 m²     |
| Escalera               | Stair 10 Pool zone     | 32.09 m³  | 0.00 m³   | -32.09 m³    | 33.15 m²       | 33.15 m²     |
| Escalera               | Stair 11 Pool zone     | 56.83 m³  | 0.15 m³   | -56.68 m³    | 144.60 m²      | 144.60 m²    |
| Escalera               | Stair 12 Pool zone     | 14.62 m³  | 0.11 m³   | -14.50 m³    | 38.64 m²       | 38.64 m²     |
| Escalera               | Stair 13 Pool zone     | 234.10 m³ | 0.30 m³   | -233.80 m³   | 193.00 m²      | 193.00 m²    |



## BIM MODELING AND COORDINATION - STEEL STRUCTURE

| Cantidades Vigas Estructurales          |                                      |       |        |
|-----------------------------------------|--------------------------------------|-------|--------|
| Family and Type                         | Comments                             | Count | Length |
| 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 |



## BIM MANAGEMENT - CLASH DETECTION

Clash Detective

Última ejecución: jueves, 27 de noviembre de 2025 12:50:36 a.m.  
Conflictos: Total: 659 (abiertos: 183 cerrados: 476)

| Nombre    | Estado  | Confl... | Nuevo | Activo | Revisado | Aproba... | Resuelto |
|-----------|---------|----------|-------|--------|----------|-----------|----------|
| EST vs PL | Antiguo | 659      | 183   | 0      | 0        | 0         | 476      |
| PL vs PL  | Antiguo | 67       | 67    | 0      | 0        | 0         | 0        |
| PL VS EL  | Antiguo | 10       | 10    | 0      | 0        | 0         | 0        |

Añadir prueba Restablecer todo Compactar todo Suprimir todo Actualizar todo

Reglas Seleccionar Resultados Informe

Nuevo grupo [iconos] Asignar [iconos] Ninguno [iconos] Volver a ejecutar prueba

| Nombre       | Estado | Encontrado          | Aprobado... | Aprobado | Descripción | Asignado |
|--------------|--------|---------------------|-------------|----------|-------------|----------|
| Conflicto637 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto625 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto621 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto502 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto501 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto500 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto499 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto396 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto395 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto324 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto320 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto318 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto317 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto314 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto312 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto310 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto309 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto304 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |
| Conflicto303 | Nuevo  | 00:50:36 27-11-2025 |             |          | Estático    |          |

Elementos

Configuración de visualización

## BIM MANAGEMENT - CLASH REPORT

### 5.2. CL-02 – Clash Structure / Civil

- **Level:** Ground floor
- **Location:** Grid L-8
- **Status:** Open

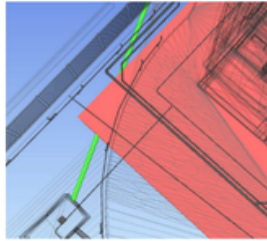


Image 1 – 3D View

- Screen shot from Navisworks
- A foundation (red) and a storm drainpipe (green) are clashing

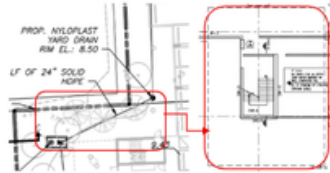


Image 2 – 2D Drawing

- Planview of the clash zone
- The clash is marked with red lines.

#### Description.

There is a clash between the foundation of the emergency stairs at grid L-8 and the drainage pipe running tangentially to the foundation.

### 5.3. CL-03 – Clash Structure / Plumbing

- **Level:** 4th floor
- **Location:** Grid G-21
- **Status:** Open

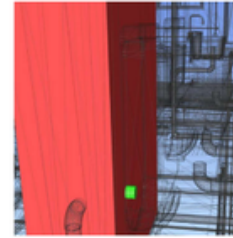


Image 1 – 3D View

- Screen shot from Navisworks
- A column (red) and a urinal (green) are clashing

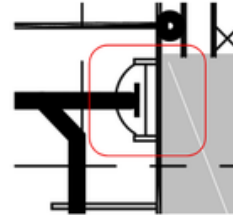


Image 2 – 2D Drawing

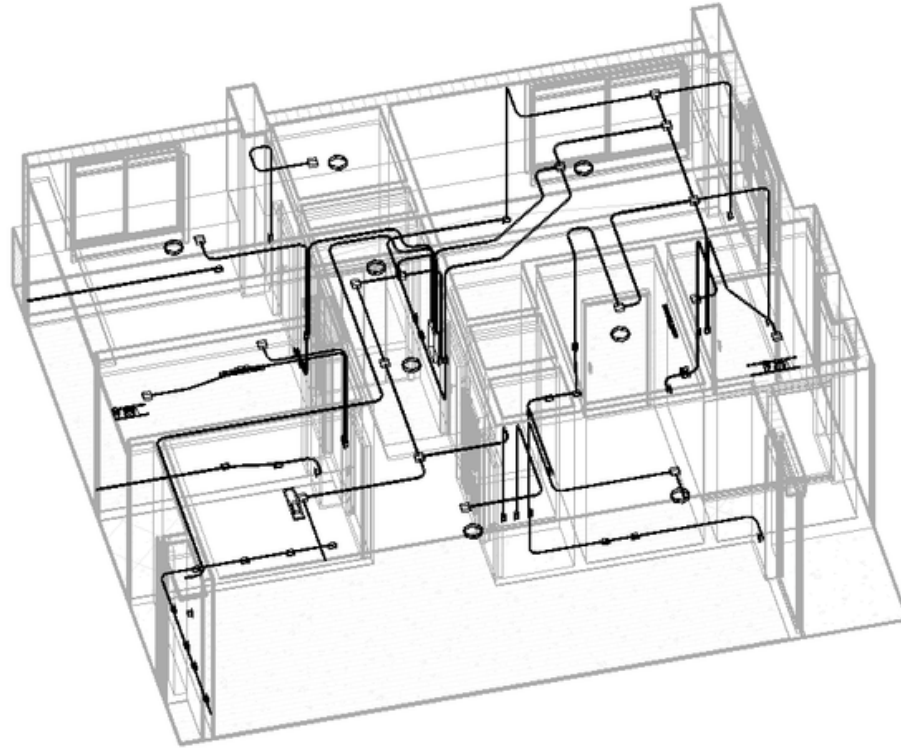
- Planview of the clash zone
- The clash is marked with red lines.

#### Description.

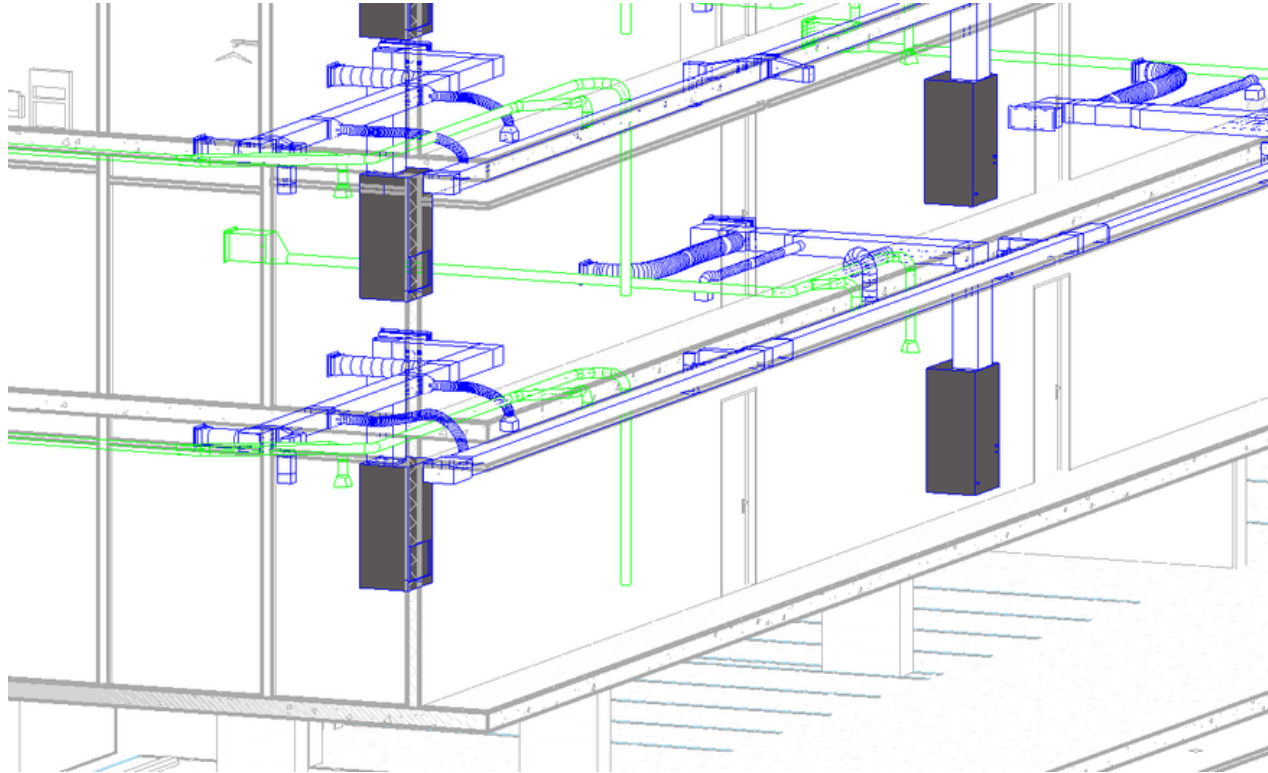
The urinal in the men's restroom in the social area on the 4th floor clashed with a column.



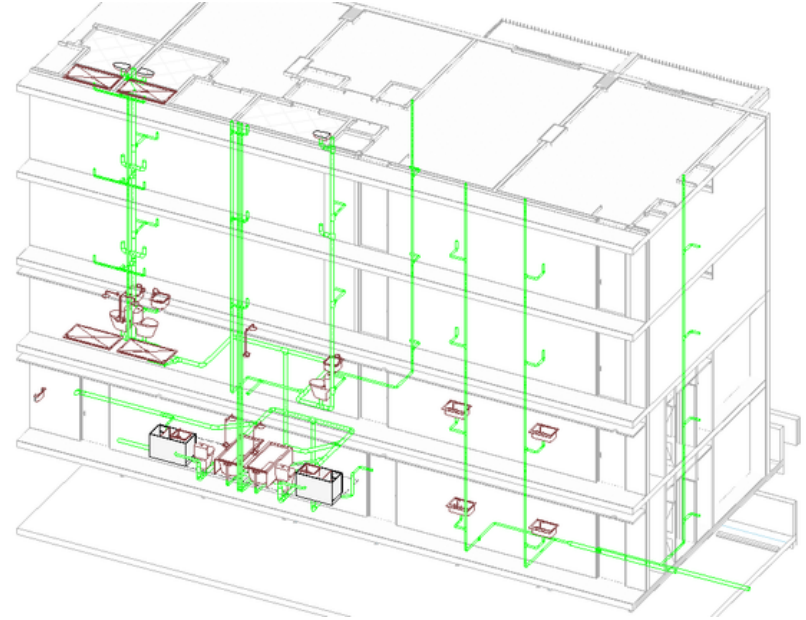
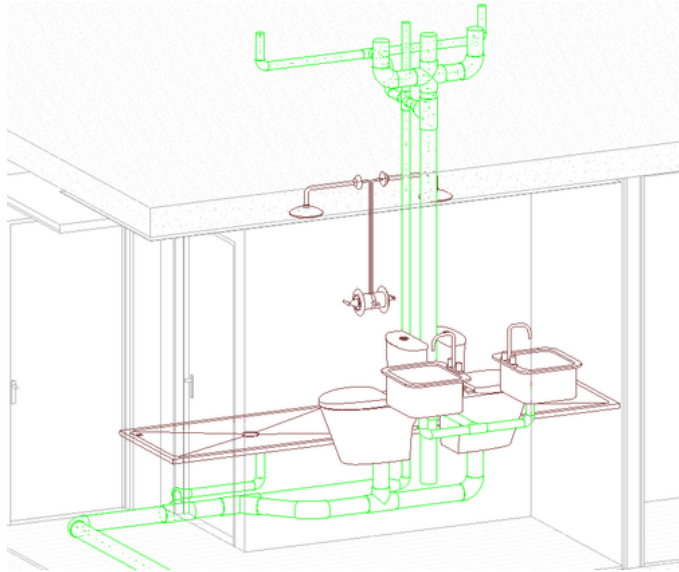
## BIM MODELING - ELECTRICAL



## BIM MODELING - HVAC



## BIM MODELING - PLUMBING



## BIM ESTIMATION SAMPLE - REBAR

DESPIECE ACERO ZONAS  
COMUNES - COLUMNAS



Lista de barras 7/8"

|   | DIAGRAMA | CANTIDAD | DIAM. | LONG. (m) | PESO   | UBICACION |
|---|----------|----------|-------|-----------|--------|-----------|
| 1 |          | 26       | 7/8"  | 6.95      | 549.89 |           |
| 2 |          | 6        | 7/8"  | 5.40      | 98.56  |           |
| 3 |          | 6        | 7/8"  | 3.65      | 66.52  |           |

Peso total barras 7/8" = 714.87 kg

Lista de barras 3/4"

|   |  |    |      |      |        |  |
|---|--|----|------|------|--------|--|
| 4 |  | 60 | 3/4" | 5.15 | 460.61 |  |
|---|--|----|------|------|--------|--|

Peso total barras 3/4" = 460.41 kg

Lista de barras 5/8"

|    |  |    |      |      |        |  |
|----|--|----|------|------|--------|--|
| 5  |  | 3  | 5/8" | 5.65 | 30.96  |  |
| 6  |  | 7  | 5/8" | 5.30 | 57.58  |  |
| 7  |  | 16 | 5/8" | 5.25 | 130.37 |  |
| 8  |  | 68 | 5/8" | 5.10 | 538.23 |  |
| 9  |  | 23 | 5/8" | 3.65 | 130.29 |  |
| 10 |  | 26 | 5/8" | 2.60 | 104.92 |  |

Peso total barras 5/8" = 992.35 kg

Lista de barras 1/2"

|    |  |    |      |      |        |  |
|----|--|----|------|------|--------|--|
| 11 |  | 48 | 1/2" | 5.60 | 314.90 |  |
| 12 |  | 8  | 1/2" | 5.25 | 41.75  |  |
| 13 |  | 20 | 1/2" | 5.20 | 103.38 |  |
| 14 |  | 74 | 1/2" | 5.05 | 371.66 |  |
| 15 |  | 8  | 1/2" | 3.65 | 29.32  |  |
| 16 |  | 3  | 1/2" | 2.25 | 6.71   |  |
| 17 |  | 28 | 1/2" | 2.20 | 61.23  |  |

Peso total barras 1/2" = 928.45 kg

DESPIECE ACERO ZONAS  
COMUNES - COLUMNAS



Lista de barras 3/8"

|    | DIAGRAMA | CANTIDAD | DIAM. | LONG. (m) | PESO   | UBICACION |
|----|----------|----------|-------|-----------|--------|-----------|
| 18 |          | 62       | 3/8"  | 1.20      | 41.66  |           |
| 19 |          | 673      | 3/8"  | 1.00      | 375.66 |           |
| 20 |          | 62       | 3/8"  | 0.46      | 15.97  |           |
| 21 |          | 1470     | 3/8"  | 0.36      | 296.35 |           |

Peso total barras 3/8" = 730.87 kg

Lista de barras 1/2"

|    |  |     |      |      |        |  |
|----|--|-----|------|------|--------|--|
| 22 |  | 819 | 1/2" | 0.89 | 725.99 |  |
|----|--|-----|------|------|--------|--|

Peso total barras 1/2" = 725.99 kg

**PESO TOTAL = 4552.94 kg**



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## ESTIMATION SAMPLE - UTILITIES

| 5" Stainless Steel Direct Buried |            |             |
|----------------------------------|------------|-------------|
| Type                             | WIDTH (ft) | Height (ft) |
| 5" Stainless Steel Direct Buried | 0.00       | 0.00        |

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

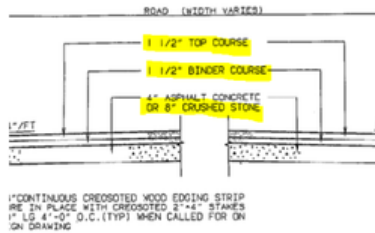
### ON DIRT

| 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              |

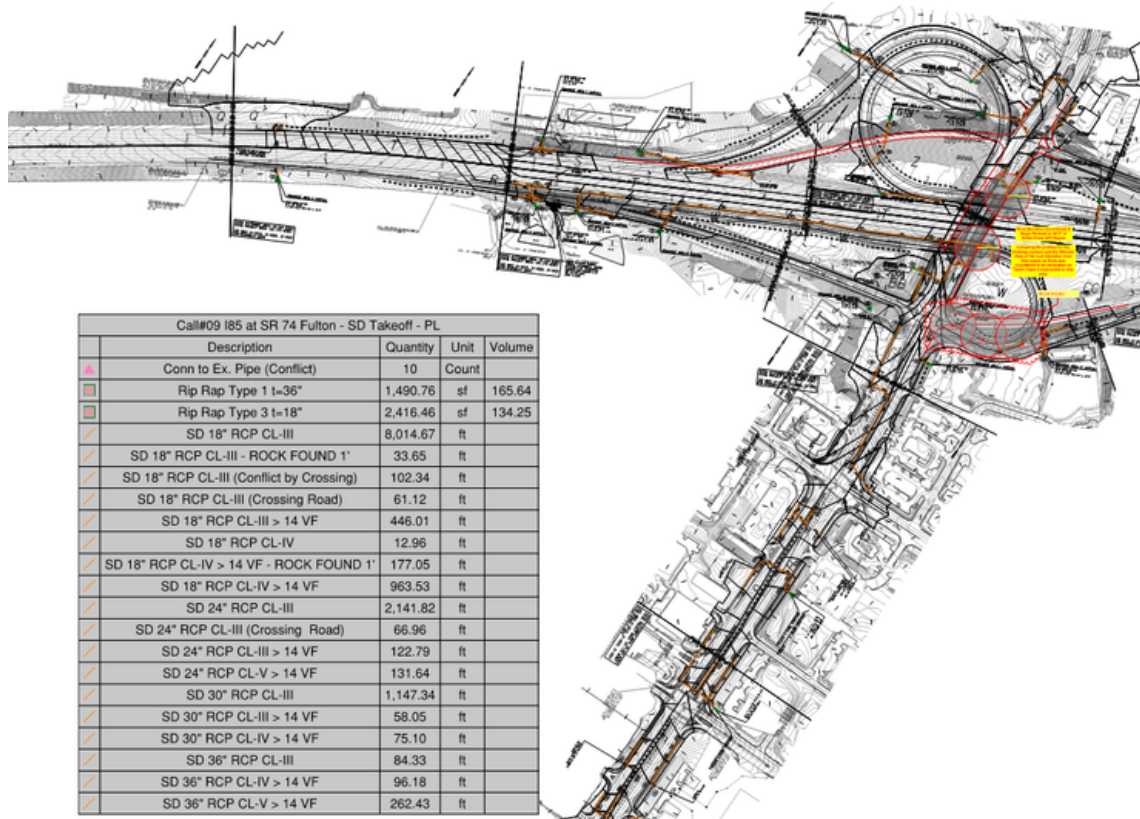
|     |
|-----|
| 23  |
| TON |

| ELEMENTS                                         |                          |            |                       |                             |
|--------------------------------------------------|--------------------------|------------|-----------------------|-----------------------------|
| Accessories                                      | 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                          |

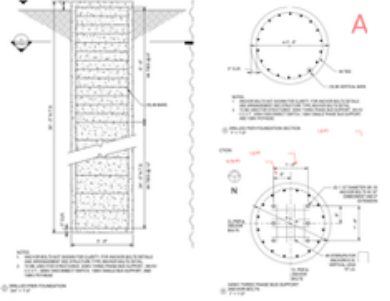
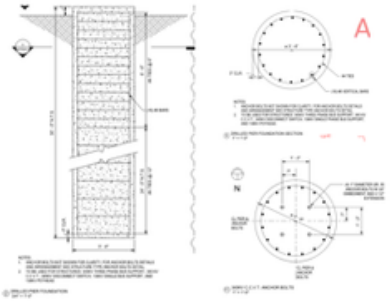
| New Road         |       |     |
|------------------|-------|-----|
| Description      | CY    | TON |
| Stone #57        | 14    | 23  |
| Trench BF        | 244.0 | 488 |
| 8" Crushed Stone | 19.0  | 38  |
| 3" Asphalt       | 7.0   | 15  |
| Spoils           | 284   |     |



## ESTIMATION SAMPLE - UTILITIES



## ESTIMATION SAMPLE - CONCRETE

| PILES CONCRETE |                              |          |               |            |             |              |                                                                                     |
|----------------|------------------------------|----------|---------------|------------|-------------|--------------|-------------------------------------------------------------------------------------|
| PILES SCHEDULE |                              |          |               |            |             |              |                                                                                     |
| ITEM           | DESCRIPTION                  | QTY (EA) | DIAMETER (FT) | AREA (SFT) | LENGTH (FT) | VOLUME (CYD) | DETAIL                                                                              |
| 1              | 345Kv Bus Support (P1 To P3) | 3        | 3.5           | 9.63       | 30          | 32           |  |
| 2              | 345Kv C.C.V.T. (P4 To P6)    | 3        | 3.5           | 9.63       | 30          | 32           |  |

## ESTIMATION SAMPLE - 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 (TON)                                      |     |        |      |             |           |                    |                   |                |                   | 75.67              |

## ESTIMATION SAMPLE - LANDSCAPING



| Legend           |           |      |  |
|------------------|-----------|------|--|
| Description      | Quantity  | Unit |  |
| Zoysia Palisades | 14,402.89 | sf   |  |

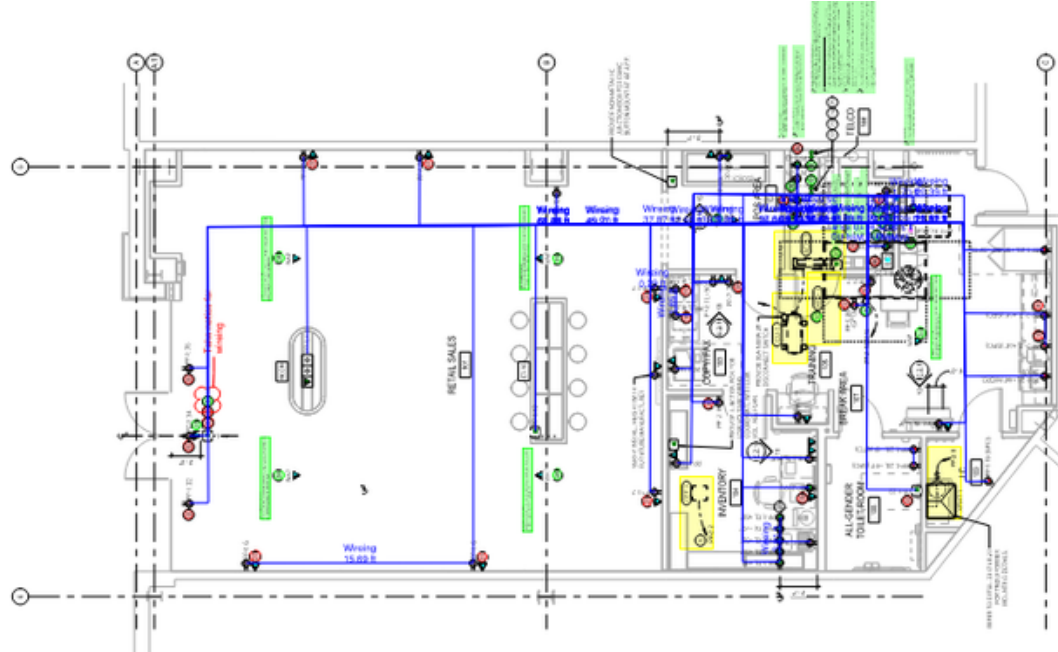
  

| BED AMENDMENT      |           |       |       |          |
|--------------------|-----------|-------|-------|----------|
| Description        | Quantity  | Unit  | Depth | Volume   |
| 3" HARDWOOD MUCLH  | 4,076.23  | sf    | 3     | 37.74    |
| 3/16" Steel Border | 954.12    | ft    | 0     |          |
| 6" BED MIX         | 11,652.53 | sf    | 6     | 1,690.86 |
| Dry Creek          | 1,991.16  | sf    | 6     | 36.87    |
| Granite Gravel     | 1,457.78  | sf    | 3     | 13.50    |
| Mich Ring          | 3         | Count | 0     |          |

| PLANTING                                             |          |       |
|------------------------------------------------------|----------|-------|
| Description                                          | Quantity | Unit  |
| Arizona Cypress - Cupressus arizonica - 30 Gal       | 5        | Count |
| Blonde Ambition Grass - Bouteloua gracilis - 1 Gal   | 8        | Count |
| Compact Texas Sage - Leucophyllum frutescens - 3 Gal | 4        | Count |
| Dwarf Oakleaf - Hydrangea quercifolia - 5 Gal        | 16       | Count |
| Dwarf Yellow Yucca - Hesperaloe parviflora - 3 Gal   | 26       | Count |
| Feather Falls Sedge - Carex oshimensis - 1 Gal       | 316      | Count |
| Inland Sea Oats - Chasmanthium latifolium - 1 Gal    | 24       | Count |
| Lemon Lime Nandina - Nandina domestica - 3 Gal       | 56       | Count |
| Mystic Spires Salvia - Salvia Balsamispim 1 Gal      | 28       | Count |
| Purple Pillar Attea - Hibiscus syriacus - 3 Gal      | 18       | Count |
| Purple Skullcap - Scutellaria spp - 1 Gal            | 51       | Count |
| Red Turk's Cap - Malvarviscus - 1 Gal                | 23       | Count |
| Skyline Holly - Ilex vomitoria - 5 Gal               | 16       | Count |
| The Blues Bluestem - Schizachyrium scoparium - 1 Gal | 19       | Count |
| Zexmenia - Wedelia hispida - 1 Gal                   | 6        | Count |

## ESTIMATION SAMPLE - ELECTRICAL



| Quantities Schedule |                                       |          |       |
|---------------------|---------------------------------------|----------|-------|
|                     | Description                           | Quantity | Unit  |
| ▲                   | DATA OUTLET - DATA FEED               | 23       | Count |
| ▲                   | DUPLEX RECEPTACLE                     | 27       | Count |
| ▲                   | FLOOR-BOX DOUBLE WHIP WITH DATA PORTS | 1        | Count |
| ●                   | FLOOR-BOX SINGLE WHIP                 | 7        | Count |
| ▲                   | GFCI DUPLEX RECEPTACLE                | 8        | Count |
| ■                   | JUNCTION BOX                          | 8        | Count |
| ■                   | LIGHTING CONTACTOR                    | 1        | Count |
| ■                   | PANEL                                 | 2        | Count |
| ▲                   | QUAD RECEPTACLE                       | 11       | Count |
| ■                   | SMART METER                           | 1        | Count |
| —                   | Wireing                               | 1,137,42 | ft    |

## ESTIMATION SAMPLE - ELECTRICAL

### C01|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 PREPARATION | 3000. | Dollars   | Misc. General Items       | \$3 000.00 | 0.         | \$0.00     | \$0.00    | \$3 000.00 |
|           |               | 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    | \$4 818.92 |
|           |               | 25 ELECTRICAL         | 1138. | Lin. Feet | WIRE#12n THHN WHITE       | \$1 500.00 | 50.        | \$2 000.00 | \$0.00    | \$3 500.00 |
|           |               | 25 ELECTRICAL         | 1139. | Lin. Feet | Wire #12 THHN Green (GND) | \$1 500.00 | 50.        | \$2 000.00 | \$0.00    | \$3 500.00 |
|           |               | 25 ELECTRICAL         | 1137. | Lin. Feet | WIRE#12 THHN BLACK        | \$1 500.00 | 50.        | \$2 000.00 | \$0.00    | \$3 500.00 |
|           |               | 25 ELECTRICAL         | 1140. | Lin. Feet | 3/4" EMT Pipe             | \$2 500.00 | 150.       | \$6 000.00 | \$0.00    | \$8 500.00 |
|           |               | 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 -       | \$1 800.00 | 0.         | \$3 000.00 | \$0.00    | \$4 800.00 |
|           |               | 25 ELECTRICAL         | 1.    | Lin. Feet | WIRE #6 THHN GREEN (GND)  | \$100.00   | 2.5        | \$100.00   | \$0.00    | \$200.00   |
|           |               | 25 ELECTRICAL         | 15.   | Lin. Feet | 4" EMT Conduit            | \$500.00   | 2.5        | \$100.00   | \$0.00    | \$600.00   |
|           |               | 25 ELECTRICAL         | 1.    | Lin. Feet | 2-1/2" EMT Conduit        | \$10.70    | 8.         | \$320.00   | \$0.00    | \$330.70   |
|           |               | 25 ELECTRICAL         | 1.    | Pieces    | Floor-Box Double Whip     | \$100.00   | 10.        | \$400.00   | \$0.00    | \$500.00   |
|           |               | 25 ELECTRICAL         | 11.   | Lin. Feet | 1-1/4" EMT Conduit        | \$500.00   | 25.        | \$1 000.00 | \$0.00    | \$1 500.00 |
|           |               | 25 ELECTRICAL         | 23.   | Pieces    | Data Outlet - Data Feed   | \$1 500.00 | 70.        | \$2 800.00 | \$0.00    | \$4 300.00 |
|           |               | 25 ELECTRICAL         | 32.   | Lin. Feet | 3-1/2" Conduit            | \$100.00   | 10.        | \$400.00   | \$0.00    | \$500.00   |



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