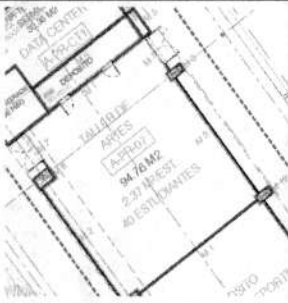
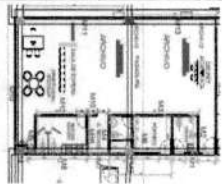
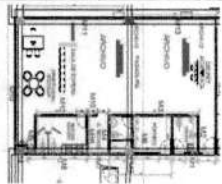
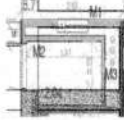
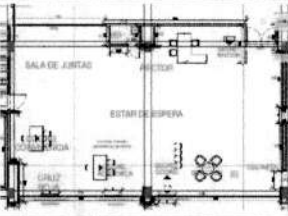
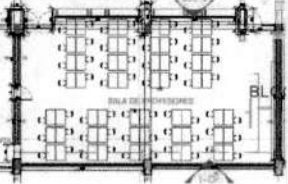
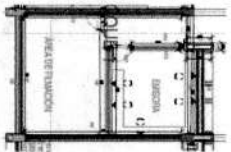
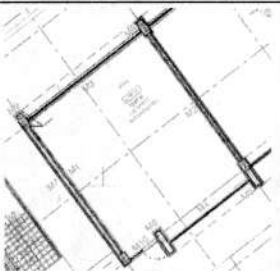
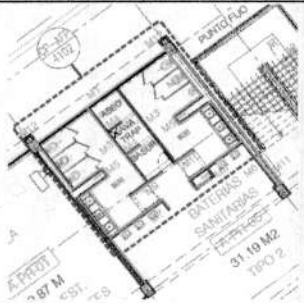
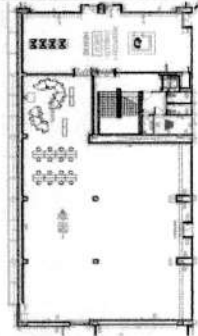


|                                                          |                 |                |       |      |   |        |        |                                                                                    |
|----------------------------------------------------------|-----------------|----------------|-------|------|---|--------|--------|------------------------------------------------------------------------------------|
| AULA DE SISTEMA CONTABLE, LABORATORIO DE CIENCIAS        | MURO 8          | BITRON FACHADA | 0.41  | 3.85 | 1 | 3.85   | 19.25  |  |
|                                                          | MURO 12         | BITRON FACHADA | 0.59  | 3.85 | 4 | 15.40  |        |                                                                                    |
| LABORATORIO DE BIOLOGIA, LABORATORIO DE FISICA Y QUIMICA | MURO 5          | BITRON FACHADA | 0.41  | 3.85 | 1 | 3.85   | 11.55  |  |
|                                                          | MURO 8          | BITRON FACHADA | 0.59  | 3.85 | 2 | 7.70   |        |                                                                                    |
| VIGA ESTRUCTURAL FACHADA INTERNA                         | FACHADA INTERNA | EJE 14(E-K)    | 48.92 | 0.50 | 3 | 146.76 | 146.76 |                                                                                    |

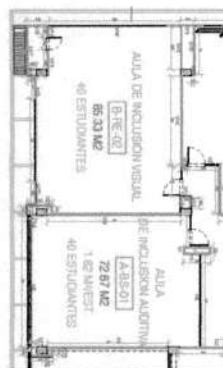
| SUBESTACION |              |                   |                 |      |           |            |       |
|-------------|--------------|-------------------|-----------------|------|-----------|------------|-------|
| DESCRIPCION | LOCALIZACION | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) | AREA TOTAL |       |
| SUBESTACION | MURO 1       | MURO FACHADA      | 0.35            | 3.70 | 1         | 3.70       | 37.00 |
|             | MURO 2       | ANTEPECHO MURO    | 0.30            | 3.70 | 2         | 7.40       |       |
|             | MURO 3       | MURO FACHADA      | 0.35            | 3.70 | 1         | 3.70       |       |
|             | MURO 5       | ANTEPECHO MURO    | 0.35            | 3.70 | 1         | 3.70       |       |
|             | MURO 6       | ANTEPECHO MURO    | 0.30            | 3.70 | 2         | 7.40       |       |
|             | MURO 7       | ANTEPECHO MURO    | 0.35            | 3.70 | 1         | 3.70       |       |
|             | MURO 8       | ANTEPECHO MURO    | 0.30            | 3.70 | 2         | 7.40       |       |
|             |              |                   |                 |      |           |            |       |

| BLOQUE 1                                           |              |                |                   |                 |      |           | AREA TOTAL |  |
|----------------------------------------------------|--------------|----------------|-------------------|-----------------|------|-----------|------------|--------------------------------------------------------------------------------------|
| DESCRIPCION                                        | LOCALIZACION |                | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) |            |                                                                                      |
| SECRETARIA ACADEMICA, ARCHIVO, ORIENTACION ESCOLAR |              | DIVISION DUCHA | 0.36              | 3.25            | 2    | 6.50      | 10.35      |  |
|                                                    |              | BITRON         | 0.34              | 3.85            | 1    | 3.85      |            |                                                                                      |
| BITRON ACCESO CIRE                                 |              | MURO FACHADA   | 0.33              | 3.75            | 1    | 3.75      | 3.75       |  |
| RECTORIA                                           | BITRON 1     | MURO BITRON    | 0.33              | 3.85            | 1.5  | 5.78      | 30.16      |  |
|                                                    |              | MURO BITRON    | 0.27              | 3.85            | 1.5  | 5.78      |            |                                                                                      |
|                                                    |              | MURO BITRON    | 0.33              | 3.85            | 1.5  | 5.78      |            |                                                                                      |
|                                                    | MURO 10      | MURO BITRON    | 0.24              | 3.75            | 2    | 7.50      |            |                                                                                      |
|                                                    |              | MURO BITRON    | 0.13              | 3.25            | 1    | 3.25      |            |                                                                                      |
|                                                    | MURO 19      | DINTEL DE BANO | 1.04              | 0.35            | 2    | 2.08      |            |                                                                                      |
| SALA DE PROFESORES                                 | BITRON 1     | MURO BITRON    | 0.33              | 3.85            | 2    | 7.70      | 30.60      |  |
|                                                    |              | MURO BITRON    | 0.27              | 3.85            | 2    | 7.70      |            |                                                                                      |
|                                                    |              | MURO BITRON    | 0.33              | 3.85            | 2    | 7.70      |            |                                                                                      |
|                                                    | MURO 11      | MURO BITRON    | 0.22              | 3.75            | 1    | 3.75      |            |                                                                                      |
|                                                    | MURO 15      | MURO BITRON    | 0.27              | 3.75            | 1    | 3.75      |            |                                                                                      |

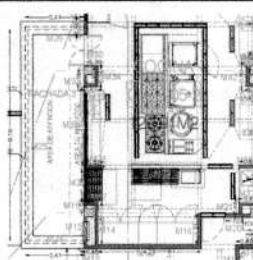
|                                    |           |                          |      |      |     |       |       |                                                                                      |
|------------------------------------|-----------|--------------------------|------|------|-----|-------|-------|--------------------------------------------------------------------------------------|
| AREA DE FILMACION Y EMISORA        | MURO 10   | MURO BUITRON             | 0.51 | 3.75 | 1   | 3.75  | 24.83 |    |
|                                    | MURO 12   | MURO BUITRON             | 0.51 | 3.75 | 1   | 3.75  |       |                                                                                      |
|                                    | BUITRON 1 | MURO BUITRON             | 0.33 | 3.85 | 1.5 | 5.78  |       |                                                                                      |
|                                    |           | MURO BUITRON             | 0.27 | 3.85 | 1.5 | 5.78  |       |                                                                                      |
|                                    |           | MURO BUITRON             | 0.33 | 3.85 | 1.5 | 5.78  |       |                                                                                      |
| AULA DE CLASE                      | MURO 8    | BUITRON FACHADA          | 0.40 | 3.85 | 0.5 | 1.93  | 17.33 |    |
|                                    |           |                          | 0.33 | 3.85 | 1   | 3.85  |       |                                                                                      |
|                                    | MURO 9    | BUITRON FACHADA          | 0.40 | 3.85 | 1   | 3.85  |       |                                                                                      |
|                                    |           |                          | 0.33 | 3.85 | 2   | 7.70  |       |                                                                                      |
| BATERIA SANITARIA TIPO 2 EJE 11-12 | MURO 4    | MURO DIVISORIO ASEO      | 0.10 | 2.07 | 2   | 4.14  | 60.89 |    |
|                                    | MURO 5    | BUITRON MEDIANERO        | 0.58 | 3.75 | 2   | 7.50  |       |                                                                                      |
|                                    | MURO 7    | MURO BEBEDEROS IZO       | 0.51 | 3.75 | 1   | 3.75  |       |                                                                                      |
|                                    |           |                          | 0.10 | 3.75 | 1   | 3.75  |       |                                                                                      |
|                                    | MURO 8    | MURO BEBEDEROS DER       | 0.51 | 3.75 | 1   | 3.75  |       |                                                                                      |
|                                    |           |                          | 0.10 | 3.75 | 2   | 7.50  |       |                                                                                      |
|                                    | MURO 9    | MURO ACCESO BAÑOS DAMA   | 0.10 | 3.75 | 2   | 7.50  |       |                                                                                      |
|                                    | MURO 10   | MURO ACCESO BAÑOS HOMBRE | 0.10 | 3.75 | 1   | 3.75  |       |                                                                                      |
|                                    | MURO 12   | BUITRON FACHADA          | 0.40 | 3.85 | 2   | 7.70  |       |                                                                                      |
|                                    |           |                          | 0.33 | 3.85 | 3   | 11.55 |       |                                                                                      |
| BIBLIOTECA                         | MURO 2'   | MURO BUITRON             | 0.55 | 3.25 | 2   | 6.50  | 45.62 |   |
|                                    | MURO 4'   | MURO BUITRON             | 0.34 | 3.25 | 2   | 6.50  |       |                                                                                      |
|                                    | MURO 4"   | DINTEL FACHADA POSTERIOR | 7.61 | 0.60 | 1   | 7.61  |       |                                                                                      |
|                                    |           |                          | 7.53 | 0.60 | 1   | 7.53  |       |                                                                                      |
|                                    |           |                          | 7.50 | 0.60 | 1   | 7.50  |       |                                                                                      |
|                                    |           |                          | 5.18 | 0.60 | 1   | 5.18  |       |                                                                                      |
| ASEO                               | MURO 1    | MURO ACCESO              | 0.35 | 3.74 | 1   | 3.74  | 4.83  |  |
|                                    |           | DINTEL ACCESO            | 0.77 | 1.09 | 1   | 1.09  |       |                                                                                      |
| RECEPCION CONSULTA                 | MURO 4"   | DINTEL VENTANA           | 7.66 | 0.60 | 1   | 7.66  | 7.66  |                                                                                      |
| SALA DE INFORMATICA 1              | MURO 16   | MURO BUITRON             | 0.42 | 3.25 | 1   | 3.25  | 3.25  |                                                                                      |
| SALA DE INFORMATICA 2              | MURO 4    | MURO BUITRON             | 0.44 | 3.74 | 1   | 3.74  | 18.29 |  |
|                                    | MURO 6    | MURO BUITRON             | 0.41 | 3.25 | 1   | 3.25  |       |                                                                                      |
|                                    | MURO 7    | DINTEL VENTANA           | 4.80 | 0.55 | 1   | 4.80  |       |                                                                                      |
|                                    | MURO 8    | DEPOSITO                 | 0.45 | 3.25 | 2   | 6.50  |       |                                                                                      |

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|                                  |                 |                            |        |      |   |        |        |
|----------------------------------|-----------------|----------------------------|--------|------|---|--------|--------|
| AULA INCLUSION AUDITIVA          | MURO 5          | BUITRON                    | 0.41   | 3.25 | 1 | 3.25   | 10.93  |
|                                  | MURO 8          | DINTEL VENTANA POSTERIOR   | 7.68   | 0.60 | 1 | 7.68   |        |
| AULA INCLUSION VISUAL            | MURO 11         | ACCESO A AULA DE INCLUSION | 1.74   | 0.10 | 1 | 1.74   | 11.12  |
|                                  | MURO 18         | BUITRON                    | 0.45   | 3.25 | 1 | 3.25   |        |
|                                  | MURO 19         | DINTEL VENTANA POSTERIOR   | 4.80   | 0.60 | 1 | 2.88   |        |
|                                  | MURO 22         | BUITRON                    | 0.41   | 3.25 | 1 | 3.25   |        |
| VIGA ESTRUCTURAL FACHADA INTERNA | FACHADA INTERNA | EJE K-L(1-16)              | 105.80 | 0.50 | 3 | 317.40 | 317.40 |

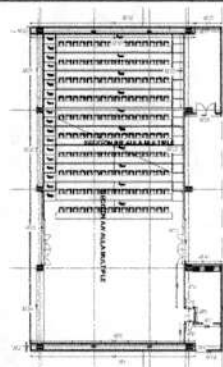


| CAFETERIA   |              |      |                   |                 |      |      |            |
|-------------|--------------|------|-------------------|-----------------|------|------|------------|
| DESCRIPCION | LOCALIZACIÓN |      | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | ML   | TOTAL (ML) |
| CAFETERIA   | MURO 15      |      | 0.30              | 3.80            | 1    | 3.80 | 22.20      |
|             | MURO 16      |      | 0.26              | 3.80            | 1    | 3.80 |            |
|             | MURO 32      | 0.35 | 3.80              | 1               | 3.80 |      |            |
|             | MURO 38      | 0.45 | 3.80              | 1               | 3.80 |      |            |
|             | MURO 44      | 0.47 | 3.80              | 1               | 3.80 |      |            |
|             | MURO 47      | 0.45 | 3.20              | 1               | 3.20 |      |            |

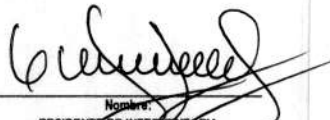
Architectural floor plan of a cafeteria. The plan shows a rectangular room with various furniture including tables, chairs, and a service counter. Dimensions are provided for walls and furniture. Wall dimensions include 0.30, 0.26, 0.35, 0.45, 0.47, and 0.45 meters. Furniture dimensions include tables (1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 1.20 x 0.60, 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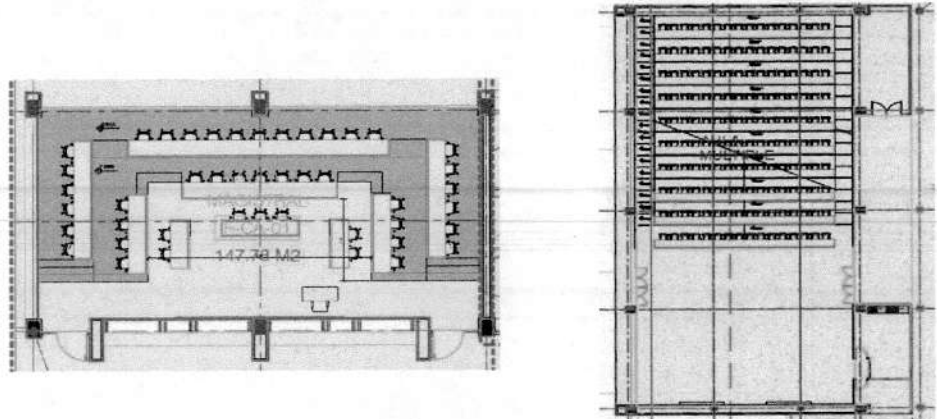
| BLOQUE 4                         |                 |            |                   |                 |      |        |            |
|----------------------------------|-----------------|------------|-------------------|-----------------|------|--------|------------|
| DESCRIPCION                      | LOCALIZACIÓN    |            | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | ML     | TOTAL (ML) |
| AUDITORIO                        | MURO 2          | BUITRON 1  | 0.60              | 7.70            | 1.00 | 7.70   | 15.40      |
|                                  | MURO 20         | BUITRON 2  | 0.60              | 7.70            | 1.00 | 7.70   |            |
| VIGA ESTRUCTURAL FACHADA INTERNA | FACHADA INTERNA | EJE 2(E-K) | 48.92             | 0.50            | 3    | 146.76 | 146.76     |

Architectural floor plan of a building section. The plan shows a large rectangular area with internal walls and columns. The walls are labeled with dimensions and numbers. The columns are labeled with letters and numbers. The plan includes a large rectangular area with internal walls and columns, and a smaller section at the bottom right. Dimensions and labels are present throughout the drawing.



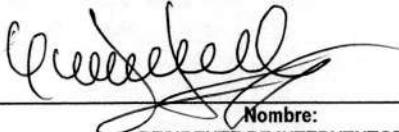
  
 Nombre:  
 RESIDENTE DE OBRA  
 DUBER DURAN  
 CONSORCIO PEDAGOGIA CESARENSE

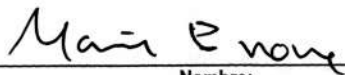
  
 Nombre:  
 RESIDENTE DE INTERVENIENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |             |                                                  |            |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|------------|---------------|
|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |             | ACTA MODIFICATORIA No. 1                         |            |               |
|                                                                                                                                                                                                     | <b>OBJETO DEL CONTRATO</b>                      |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                                                  |            |               |
|                                                                                                                                                                                                     | <b>CONTRATISTA</b>                              | CONSORCIO PEDAGOGIA CESARENSE   | <b>NIT</b>                                                                                                                   | 901925618-1 | <b>CONTRATO No.</b>                              | 2025040002 |               |
|                                                                                                                                                                                                     | <b>INTERVENTOR</b>                              | CONSORCIO INTERAVANCE EDUCATIVO | <b>NIT</b>                                                                                                                   | 901925042-8 | <b>CONTRATO No.</b>                              | 2025050004 |               |
|                                                                                                                                                                                                     | <b>CAPÍTULO</b>                                 | 9.0                             | <b>ITEM</b>                                                                                                                  | 9.2.1       | ALISTADO DE PISOS CON MORTERO 1:4, EPROM. = 4 CM |            |               |
|                                                                                                                   |                                                 | <b>BLOQUE 3</b>                 |                                                                                                                              |             |                                                  |            |               |
|                                                                                                                                                                                                     |                                                 | <b>DESCRIPCION</b>              | <b>AREA (M2)</b>                                                                                                             | <b>CANT</b> | <b>TOTAL (M2)</b>                                |            |               |
|                                                                                                                                                                                                     |                                                 | AULA MAGISTRAL                  | 147.97                                                                                                                       | 1           | 147.97                                           |            |               |
|                                                                                                                                                                                                     |                                                 | <b>TOTAL</b>                    |                                                                                                                              |             | <b>147.97</b>                                    |            |               |
|                                                                                                                                                                                                     |                                                 | <b>BLOQUE 4</b>                 |                                                                                                                              |             |                                                  |            |               |
|                                                                                                                                                                                                     |                                                 | <b>DESCRIPCION</b>              | <b>AREA (M2)</b>                                                                                                             | <b>CANT</b> | <b>TOTAL (M2)</b>                                |            |               |
|                                                                                                                                                                                                     |                                                 | AUDITORIO                       | 247.86                                                                                                                       | 1           | 247.86                                           |            |               |
|                                                                                                                                                                                                     |                                                 | <b>TOTAL</b>                    |                                                                                                                              |             | <b>247.86</b>                                    |            |               |
|                                                                                                                                                                                                     |                                                 | <b>CANTIDAD TOTAL</b>           |                                                                                                                              |             |                                                  |            | <b>395.83</b> |

  
 Nombre:  
 RESIDENTE DE OBRA  
 DUBER DURAN  
 CONSORCIO PEDAGOGIA CESARENSE

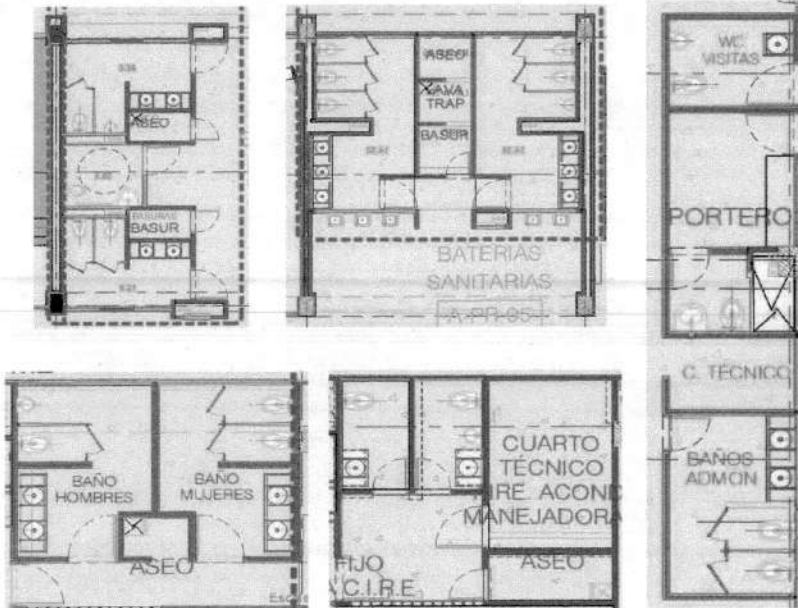
  
 Nombre:  
 DIRECTOR DE OBRA  
 OMAR MOUKARZEL  
 CONSORCIO PEDAGOGIA CESARENSE

  
 Nombre:  
 RESIDENTE DE INTERVENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

  
 Nombre:  
 DIRECTOR DE INTERVENTORIA  
 MARIA BERNARDA NOVA  
 CONSORCIO INTERAVANCE EDUCATIVO

|                                                                                   |                                                                                                      |            |                                        |             |                                                                                                                                     |              |                    |                                                                                                  |                                 |  |                   |              |           |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------|----------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|--------------------------------------------------------------------------------------------------|---------------------------------|--|-------------------|--------------|-----------|
|  | <b>REPUBLICA DE COLOMBIA</b><br><b>DEPARTAMENTO DEL CESAR</b><br><b>SECRETARIA DE INFRAESTRUTURA</b> |            |                                        |             | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b>                                                                                     |              |                    |                                                                                                  | <b>ACTA MODIFICATORIA No. 1</b> |  |                   |              |           |
|                                                                                   | <b>OBJETO DEL CONTRATO</b>                                                                           |            |                                        |             | <b>CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR</b> |              |                    |                                                                                                  |                                 |  |                   |              |           |
|                                                                                   | <b>CONTRATISTA</b>                                                                                   |            | <b>CONSORCIO PEDAGOGIA CESARENSE</b>   |             | <b>NIT</b>                                                                                                                          |              | <b>901925618-1</b> |                                                                                                  | <b>CONTRATO No.</b>             |  | <b>2025040002</b> |              |           |
|                                                                                   | <b>INTERVENTOR</b>                                                                                   |            | <b>CONSORCIO INTERAVANCE EDUCATIVO</b> |             | <b>NIT</b>                                                                                                                          |              | <b>901925042-8</b> |                                                                                                  | <b>CONTRATO No.</b>             |  | <b>2025050004</b> |              |           |
| <b>CAPITULO</b>                                                                   |                                                                                                      | <b>9.0</b> |                                        | <b>ITEM</b> |                                                                                                                                     | <b>9.2.2</b> |                    | <b>AFINADO DE PISOS CON MORTERO IMPERMEABILIZADO 1:3, PENDIENTE HACIA SIFONES, EPROM.=0.04 M</b> |                                 |  |                   | <b>UNID.</b> | <b>M2</b> |



| BLOQUE 3                           |           |      |               |
|------------------------------------|-----------|------|---------------|
| DESCRIPCION                        | AREA (M2) | CANT | TOTAL (M2)    |
| BATERIA SANITARIA TIPO 1 EJE 3-4   | 28.55     | 3    | 85.65         |
| BATERIA SANITARIA TIPO 2 EJE 11-12 | 40.76     | 3    | 122.29        |
| PLACA CUBIERTA                     | 66.08     | 1    | 66.08         |
| <b>TOTAL</b>                       |           |      | <b>274.02</b> |

| BLOQUE 1                               |           |      |               |
|----------------------------------------|-----------|------|---------------|
| DESCRIPCION                            | AREA (M2) | CANT | TOTAL (M2)    |
| BAÑO ADMON, PORTERIA Y VISITAS EJE 1-2 | 16.37     | 1    | 16.37         |
| BAÑO PROFESORES EJE 3-4                | 21.96     | 1    | 21.96         |
| BAÑO RECTORIA EJE 4-6                  | 1.96      | 1    | 1.96          |
| BATERIA SANITARIA TIPO 2 EJE 11-12     | 40.76     | 3    | 122.29        |
| BATERIA SANITARIA EJE 3-4 P2 Y P3      | 7.42      | 2    | 14.84         |
| CUARTO DE ASEO EJE 3-4 P2              | 2.92      | 1    | 2.92          |
| PLACA CUBIERTA                         | 357.25    | 1    | 357.25        |
| <b>TOTAL</b>                           |           |      | <b>537.80</b> |

| BLOQUE 2       |           |      |              |
|----------------|-----------|------|--------------|
| DESCRIPCION    | AREA (M2) | CANT | TOTAL (M2)   |
| PLACA CUBIERTA | 27.66     | 1    | 27.66        |
| <b>TOTAL</b>   |           |      | <b>27.66</b> |

| CAFETERIA         |           |      |               |
|-------------------|-----------|------|---------------|
| DESCRIPCION       | AREA (M2) | CANT | TOTAL (M2)    |
| BATERIA SANITARIA | 115.85    | 1    | 115.85        |
| PLACA CUBIERTA    | 120.96    | 1    | 120.96        |
| <b>TOTAL</b>      |           |      | <b>236.81</b> |

| SUBESTACIÓN    |           |      |              |
|----------------|-----------|------|--------------|
| DESCRIPCION    | AREA (M2) | CANT | TOTAL (M2)   |
| PLACA CUBIERTA | 98.56     | 1    | 98.56        |
| <b>TOTAL</b>   |           |      | <b>98.56</b> |

|                       |  |  |                |
|-----------------------|--|--|----------------|
| <b>CANTIDAD TOTAL</b> |  |  | <b>1174.65</b> |
|-----------------------|--|--|----------------|

Nombre:  
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 DUBER DURAN  
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Nombre:  
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 OMAR MOUKARZEL  
 CONSORCIO PEDAGOGIA CESARENSE

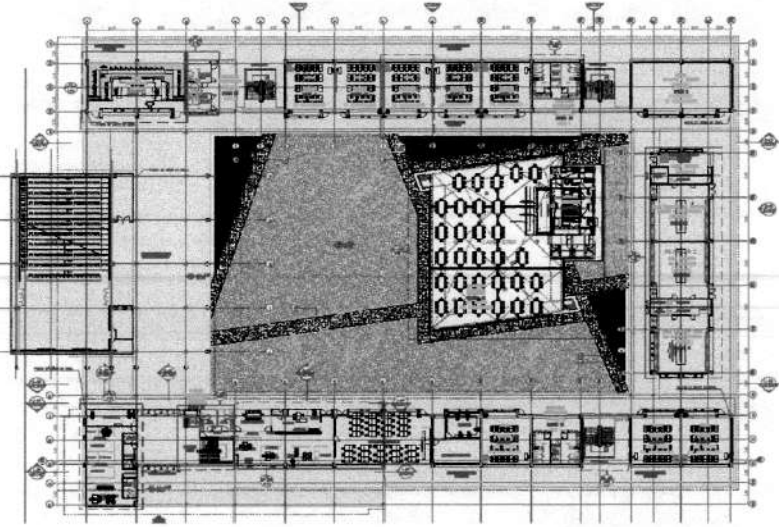
Nombre:  
 RESIDENTE DE INTERVENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

Nombre:  
 DIRECTOR DE INTERVENTORIA  
 MARIA BERNARDA NOVA  
 CONSORCIO INTERAVANCE EDUCATIVO

36A

|                                                                                                                                                                                |                                                 |                                 |                                                                                                                              |                                                                                                                                     |                                 |              |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|----|
|  <p> REPUBLICA DE COLOMBIA<br/> DEPARTAMENTO DEL CESAR<br/> SECRETARIA DE INFRAESTRUTURA </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |                                                                                                                                     | <b>ACTA MODIFICATORIA No. 1</b> |              |    |
|                                                                                                                                                                                | <b>OBJETO DEL CONTRATO</b>                      |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |                                                                                                                                     |                                 |              |    |
|                                                                                                                                                                                | <b>CONTRATISTA</b>                              | CONSORCIO PEDAGOGIA CESARENSE   | <b>NIT</b>                                                                                                                   | 901925618-1                                                                                                                         | <b>CONTRATO No.</b>             | 2025040002   |    |
|                                                                                                                                                                                | <b>INTERVENTOR</b>                              | CONSORCIO INTERAVANCE EDUCATIVO | <b>NIT</b>                                                                                                                   | 901925042-8                                                                                                                         | <b>CONTRATO No.</b>             | 2025050004   |    |
| <b>CAPÍTULO</b>                                                                                                                                                                | 11.0                                            | <b>ITEM</b>                     | 11.1                                                                                                                         | <b>CIELO RASO EN PANEL YESO SISTEMA LIVIANO EN SECO, ACABADO EN VINILO BLANCO, INCLUYE ESTRUCTURA DE SOPORTE, MASILLA Y PINTURA</b> |                                 | <b>UNID.</b> | M2 |



| BLOQUE 3              |       |      |               |
|-----------------------|-------|------|---------------|
| DESCRIPCION           | AREA  | CANT | TOTAL (M2)    |
| AULAS DE CLASE PISO 3 | 72.87 | 9    | 655.83        |
| <b>TOTAL</b>          |       |      | <b>655.83</b> |

| BLOQUE 2                                                                     |        |      |               |
|------------------------------------------------------------------------------|--------|------|---------------|
| DESCRIPCION                                                                  | AREA   | CANT | TOTAL (M2)    |
| TALLER DE ROBOTICA, LABORATORIO DE CIENCIAS, LABORATORIO DE FISICA Y QUIMICA | 103.29 | 3    | 309.87        |
| DATA CENTER Y CUARTO DE RACK                                                 | 42.18  | 1    | 42.18         |
| DISPONIBLE Y AIRE ACONDICIONADO PISO 3                                       | 7.72   | 1    | 7.72          |
| <b>TOTAL</b>                                                                 |        |      | <b>359.77</b> |

| BLOQUE 1                                                 |       |      |               |
|----------------------------------------------------------|-------|------|---------------|
| DESCRIPCION                                              | AREA  | CANT | TOTAL (M2)    |
| EMISORA Y AREA DE FILMACION                              | 68.58 | 1    | 68.58         |
| ACCESO A AREAS DE INCLUSION Y BILINGUISMO PISO 3         | 73.90 | 1    | 73.90         |
| AULA DE BILINGUISMO                                      | 88.38 | 1    | 88.38         |
| AULA DE INCLUSION VISUAL                                 | 88.51 | 1    | 88.51         |
| AULA DE INCLUSION AUDITIVA                               | 72.87 | 1    | 72.87         |
| PUNTO FIJO ACCESO A CIRE Y DEPOSITO DE BIBLIOTECA PISO 3 | 41.44 | 1    | 41.44         |
| <b>TOTAL</b>                                             |       |      | <b>433.68</b> |

| BLOQUE 4                    |       |      |              |
|-----------------------------|-------|------|--------------|
| DESCRIPCION                 | AREA  | CANT | TOTAL (M2)   |
| COCINETA Y CUARTO DE SONIDO | 31.10 | 1    | 31.10        |
| <b>TOTAL</b>                |       |      | <b>31.10</b> |

|                       |  |  |                |
|-----------------------|--|--|----------------|
| <b>CANTIDAD TOTAL</b> |  |  | <b>1480.38</b> |
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Nombre:  
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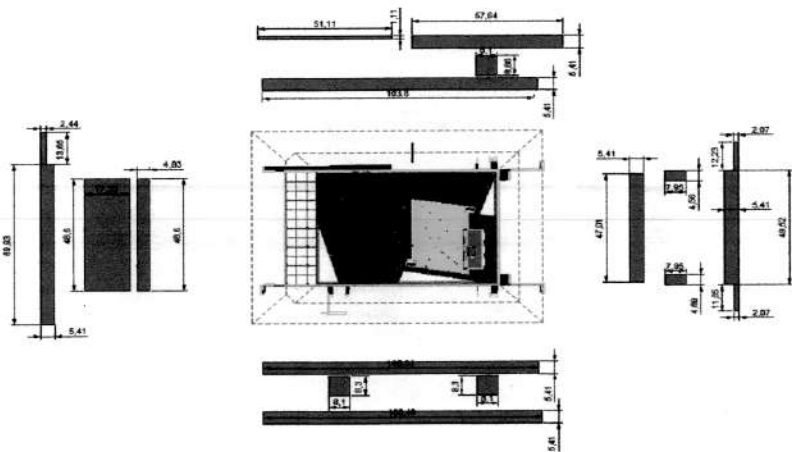
Nombre:  
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|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |             |                                                                                                                                                                 |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |             | ACTA MODIFICATORIA No. 1                                                                                                                                        |            |
|                                                                                                                                                                                                     | OBJETO DEL CONTRATO                             |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                                                                                                                                                                 |            |
|                                                                                                                                                                                                     | CONTRATISTA                                     | CONSORCIO PEDAGOGIA CESARENSE   | NIT                                                                                                                          | 901925618-1 | CONTRATO No.                                                                                                                                                    | 2025040002 |
|                                                                                                                                                                                                     | INTERVENTOR                                     | CONSORCIO INTERAVANCE EDUCATIVO | NIT                                                                                                                          | 901925042-8 | CONTRATO No.                                                                                                                                                    | 2025050004 |
|                                                                                                                                                                                                     | CAPITULO                                        | 11.0                            | ITEM                                                                                                                         | 11.4        | SUMINISTRO E INSTALACION DE CIELORRASO TIPO HUNTER DOUGLAS 300F. INCLUYE SISTEMA DE SOPORTES TUBULARES EN ALUMINIO, REMATES Y ACCESORIOS PARA SU FUNCIONAMIENTO |            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |             | UNID.                                                                                                                                                           | M2         |



| BLOQUE 3                      |           |              |                |
|-------------------------------|-----------|--------------|----------------|
| DESCRIPCION                   | ANCHO (M) | LONGITUD (M) | AREA (M2)      |
| ALERO INTERNO EJE 1-16        | 5.41      | 105.01       | 567.58         |
| ALERO EXTERNO EJE 1-16        | 5.41      | 106.49       | 575.58         |
| PUNTO FIJO ESCALERA EJE 4-6   | 8.30      | 8.10         | 67.23          |
| PUNTO FIJO ESCALERA EJE 12-14 | 8.30      | 8.10         | 67.23          |
| <b>TOTAL</b>                  |           |              | <b>1277.62</b> |

| BLOQUE 1                                             |           |              |                |
|------------------------------------------------------|-----------|--------------|----------------|
| DESCRIPCION                                          | ANCHO (M) | LONGITUD (M) | AREA (M2)      |
| ALERO EXTERNO EJE 8-16                               | 5.41      | 57.8         | 312.41         |
| ALERO EXTERNO SOBRE REVESTIMIENTO DE FACHADA EJE 1-8 | 1.11      | 51.11        | 56.73          |
| PUNTO FIJO ESCALERA EJE 12-14                        | 8.1       | 8.86         | 71.77          |
| ALERO INTERNO EJE 1-16                               | 5.41      | 103.8        | 561.04         |
| <b>TOTAL</b>                                         |           |              | <b>1001.95</b> |

| BLOQUE 2                                |           |              |               |
|-----------------------------------------|-----------|--------------|---------------|
| DESCRIPCION                             | ANCHO (M) | LONGITUD (M) | AREA (M2)     |
| ALERO EXTERNO EJE D-L                   | 5.41      | 49.52        | 267.66        |
| ALERO EXTERNO LATERAL DERECHO EJE L-N   | 2.07      | 12.23        | 25.32         |
| ALERO EXTERNO LATERAL IZQUIERDO EJE B-D | 2.07      | 11.65        | 24.12         |
| VACIO LATERAL DERECHO EJE J-L           | 4.56      | 7.95         | 36.25         |
| VACIO LATERAL IZQUIERDO EJE D-E'        | 4.69      | 7.95         | 37.29         |
| ALERO INTERNO EJE D-L                   | 5.41      | 47.01        | 254.09        |
| <b>TOTAL</b>                            |           |              | <b>644.71</b> |

| BLOQUE 4              |           |              |                |
|-----------------------|-----------|--------------|----------------|
| DESCRIPCION           | ANCHO (M) | LONGITUD (M) | AREA (M2)      |
| ALERO EXTERNO EJE A-L | 5.41      | 69.93        | 377.97         |
| ALERO EXTERNO EJE L-P | 2.44      | 13.65        | 33.31          |
| PASILLO EJE E-K       | 17.35     | 48.6         | 843.21         |
| ALERO INTERNO EJE E-K | 4.83      | 48.6         | 234.74         |
| <b>TOTAL</b>          |           |              | <b>1489.23</b> |

|                       |                |
|-----------------------|----------------|
| <b>CANTIDAD TOTAL</b> | <b>4413.50</b> |
|-----------------------|----------------|

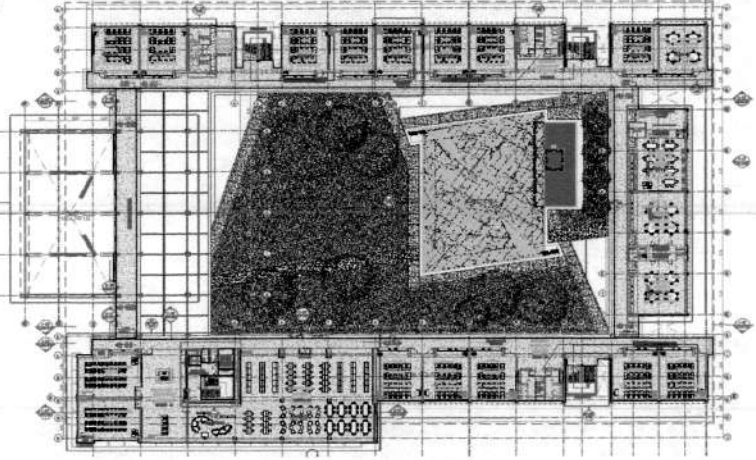
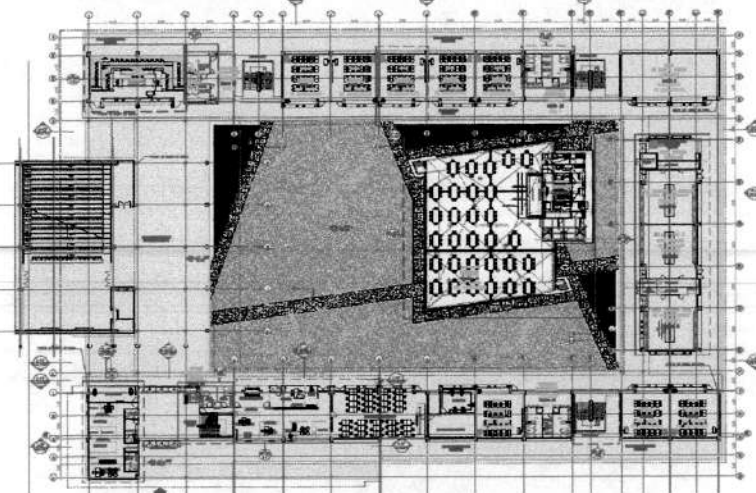
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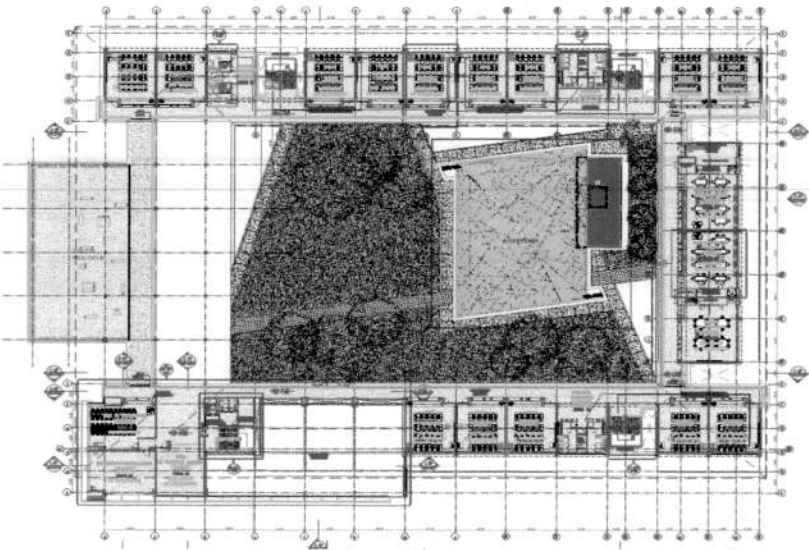
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|                                                                                                                                                                                |                                          |                                 |                                                                                                                              |      |                                                                                                                                                                                                                                                                                                           |                          |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------|
|  <div>REPUBLICA DE COLOMBIA<br/>DEPARTAMENTO DEL CESAR<br/>SECRETARIA DE INFRAESTRUTURA</div> | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |                                 |                                                                                                                              |      |                                                                                                                                                                                                                                                                                                           | ACTA MODIFICATORIA No. 1 |            |
|                                                                                                                                                                                | OBJETO DEL CONTRATO                      |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |      |                                                                                                                                                                                                                                                                                                           |                          |            |
|                                                                                                                                                                                | CONTRATISTA                              | CONSORCIO PEDAGOGIA CESARENSE   |                                                                                                                              | NIT  | 901925618-1                                                                                                                                                                                                                                                                                               | CONTRATO No.             | 2025040002 |
|                                                                                                                                                                                | INTERVENIOR                              | CONSORCIO INTERAVANCE EDUCATIVO |                                                                                                                              | NIT  | 901925042-8                                                                                                                                                                                                                                                                                               | CONTRATO No.             | 2025050004 |
|                                                                                                                                                                                | CAPÍTULO                                 | 13.0                            | ITEM                                                                                                                         | 13.1 | PISOS PULIDOS EN CONCRETOS DE 3000 PSI ENDURECIDOS CON SIKAFLOOR QUARTZ TOP COLOR NEUTRO DOSIFICACIÓN (5KLG X M2) INCLUYE IMPRIMACIÓN, EXTENSIÓN DE CONCRETO CON REGLA VIBRATORIA PARA GARANTIZAR PLANICIDAD, PULIDA DEL CONCRETO DE 3000 PSI INSTALACIÓN DE PLÁSTICOS PARA PROTECCIÓN Y FRAGÜE CONSTANTE |                          |            |



| BLOQUE 3                                                                      |         |      |            |
|-------------------------------------------------------------------------------|---------|------|------------|
| DESCRIPCION                                                                   | AREA    | CANT | TOTAL (M2) |
| AULAS DE CLASE                                                                | 72.87   | 25   | 1821.75    |
| PASILLO PRIMER PISO                                                           | 1027.80 | 1    | 1027.80    |
| PASILLO SEGUNDO Y TERCER PISO                                                 | 284.62  | 2    | 569.24     |
| ESCALERA TIPO 2                                                               | 61.40   | 2    | 122.80     |
| TOTAL                                                                         |         |      | 3541.59    |
| BLOQUE 2                                                                      |         |      |            |
| DESCRIPCION                                                                   | AREA    | CANT | TOTAL (M2) |
| AULA TECNICA SENA DE AGROINDUSTRIA                                            | 103.29  | 1    | 103.29     |
| AULA TECNICA DE CARNICOS, AULA TECNICA DE LACTEOS, FRUTAS Y HORTALIZAS        | 106.64  | 2    | 213.28     |
| AULA TECNICA SENA CONTABLE, AULA DE SISTEMA CONTABLE, LABORATORIO DE BIOLOGIA | 103.29  | 3    | 309.87     |
| TALLER DE ROBOTICA, LABORATORIO DE CIENCIAS, LABORATORIO DE FISICA Y QUIMICA  | 103.29  | 3    | 309.87     |
| DATA CENTER Y CUARTO DE RACK                                                  | 42.18   | 3    | 126.54     |
| DISPONIBLE Y AIRE ACONDICIONADO                                               | 7.72    | 3    | 23.16      |
| PASILLO PRIMER PISO                                                           | 429.73  | 1    | 429.73     |
| PASILLO SEGUNDO Y TERCER PISO                                                 | 115.28  | 2    | 230.56     |
| TOTAL                                                                         |         |      | 1746.30    |
| BLOQUE 1                                                                      |         |      |            |
| DESCRIPCION                                                                   | AREA    | CANT | TOTAL (M2) |
| AULAS DE CLASE                                                                | 72.87   | 13   | 947.31     |
| EMISORA Y AREA DE FILMACION                                                   | 68.52   | 1    | 68.52      |
| SALA DE PROFESORES                                                            | 148.69  | 1    | 148.69     |
| RECTORIA Y COORDINACIÓN                                                       | 163.88  | 1    | 163.88     |
| ORIENTACION ESCOLAR, ARCHIVO, FOTOCOPIA, PORTERIA                             | 129.68  | 1    | 129.68     |
| BIBLIOTECA                                                                    | 487.58  | 1    | 487.58     |
| RECEPCION Y CONSULTA                                                          | 144.95  | 1    | 144.95     |
| SALA DE INFORMATICA 1                                                         | 90.73   | 1    | 90.73      |
| SALA DE INFORMATICA 2                                                         | 89.15   | 1    | 89.15      |
| PUNTO FIJO ACCESO A CIRE Y CUARTO TECNICO AA 2DO PISO                         | 34.26   | 1    | 34.26      |
| AULA DE BILINGUISMO                                                           | 88.38   | 1    | 88.38      |
| AULA DE INCLUSION VISUAL                                                      | 88.51   | 1    | 88.51      |
| AULA DE INCLUSION AUDITIVA                                                    | 72.87   | 1    | 72.87      |
| PUNTO FIJO ACCESO A CIRE Y DEPOSITO DE BIBLIOTECA 3ER PISO                    | 41.44   | 1    | 41.44      |

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|  REPUBLICA DE COLOMBIA<br>DEPARTAMENTO DEL CESAR<br>SECRETARIA DE INFRAESTRUTURA |  | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA                                                                                     |  |      |  | ACTA MODIFICATORIA No. 1                                                                                                                                                                                                                                                                                  |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| OBJETO DEL CONTRATO                                                                                                                                               |  | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |  |      |  |                                                                                                                                                                                                                                                                                                           |          |
| CONTRATISTA                                                                                                                                                       |  | CONSORCIO PEDAGOGIA CESARENSE                                                                                                |  | NIT  |  | 901925618-1                                                                                                                                                                                                                                                                                               |          |
| INTERVENTOR                                                                                                                                                       |  | CONSORCIO INTERAVANCE EDUCATIVO                                                                                              |  | NIT  |  | 901925042-8                                                                                                                                                                                                                                                                                               |          |
| CAPÍTULO                                                                                                                                                          |  | 13.0                                                                                                                         |  | ITEM |  | 13.1                                                                                                                                                                                                                                                                                                      |          |
|                                                                                |  |                                                                                                                              |  |      |  | PISOS PULIDOS EN CONCRETOS DE 3000 PSI ENDURECIDOS CON SIKAFLOOR QUARTZ TOP COLOR NEUTRO DOSIFICACIÓN (5KLG X M2) INCLUYE IMPRIMACIÓN, EXTENSIÓN DE CONCRETO CON REGLA VIBRATORIA PARA GARANTIZAR PLANICIDAD, PULIDA DEL CONCRETO DE 3000 PSI INSTALACIÓN DE PLÁSTICOS PARA PROTECCIÓN Y FRAGÜE CONSTANTE |          |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | UNID.                                                                                                                                                                                                                                                                                                     | M2       |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | 1                                                                                                                                                                                                                                                                                                         | 1114.96  |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | 1                                                                                                                                                                                                                                                                                                         | 300.67   |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | 1                                                                                                                                                                                                                                                                                                         | 376.23   |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | 1                                                                                                                                                                                                                                                                                                         | 49.55    |
|                                                                                                                                                                   |  |                                                                                                                              |  |      |  | 1                                                                                                                                                                                                                                                                                                         | 61.40    |
| TOTAL                                                                                                                                                             |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           | 4498.76  |
| BLOQUE 4                                                                                                                                                          |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           |          |
| DESCRIPCION                                                                                                                                                       |  |                                                                                                                              |  |      |  | AREA                                                                                                                                                                                                                                                                                                      | CANT     |
| CUARTO TECNICO PRIMER PISO                                                                                                                                        |  |                                                                                                                              |  |      |  | 31.84                                                                                                                                                                                                                                                                                                     | 1        |
| AUDITORIO GRADERIA                                                                                                                                                |  |                                                                                                                              |  |      |  | 284.73                                                                                                                                                                                                                                                                                                    | 1        |
| PASILLO PRIMER PISO                                                                                                                                               |  |                                                                                                                              |  |      |  | 785.04                                                                                                                                                                                                                                                                                                    | 1        |
| PASILLO SEGUNDO PISO                                                                                                                                              |  |                                                                                                                              |  |      |  | 185.04                                                                                                                                                                                                                                                                                                    | 1        |
| PASILLO TERCER PISO Y CUBIERTA AUDITORIO                                                                                                                          |  |                                                                                                                              |  |      |  | 728.97                                                                                                                                                                                                                                                                                                    | 1        |
| TOTAL                                                                                                                                                             |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           | 2015.62  |
| CAFETERIA                                                                                                                                                         |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           |          |
| DESCRIPCION                                                                                                                                                       |  |                                                                                                                              |  |      |  | AREA                                                                                                                                                                                                                                                                                                      | CANT     |
| COMEDOR CAFETERIA                                                                                                                                                 |  |                                                                                                                              |  |      |  | 671.16                                                                                                                                                                                                                                                                                                    | 1        |
| TOTAL                                                                                                                                                             |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           | 671.16   |
| GARITA                                                                                                                                                            |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           |          |
| DESCRIPCION                                                                                                                                                       |  |                                                                                                                              |  |      |  | AREA                                                                                                                                                                                                                                                                                                      | CANT     |
| GARITA                                                                                                                                                            |  |                                                                                                                              |  |      |  | 10.45                                                                                                                                                                                                                                                                                                     | 1        |
| TOTAL                                                                                                                                                             |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           | 10.45    |
| CANTIDAD TOTAL                                                                                                                                                    |  |                                                                                                                              |  |      |  |                                                                                                                                                                                                                                                                                                           | 12483.88 |

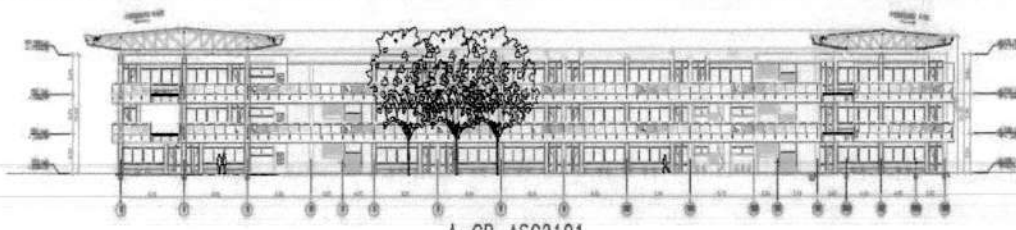
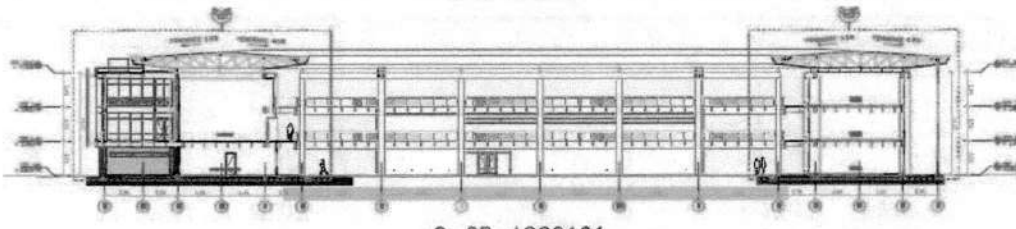
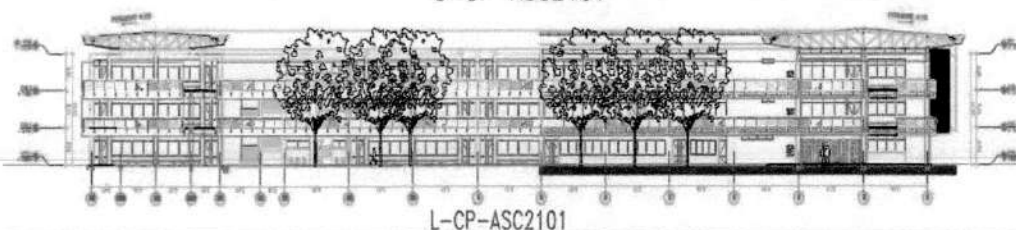
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|                                                                                   |                              |                                          |                               |                                                                                                                              |             |                                                                  |              |            |
|-----------------------------------------------------------------------------------|------------------------------|------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------|--------------|------------|
|  | REPUBLICA DE COLOMBIA        | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |                               |                                                                                                                              |             | ACTA MODIFICATORIA No. 1                                         |              |            |
|                                                                                   | DEPARTAMENTO DEL CESAR       | OBJETO DEL CONTRATO                      |                               | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                                                                  |              |            |
|                                                                                   |                              | CONTRATISTA                              | CONSORCIO PEDAGOGIA CESARENSE |                                                                                                                              | NIT         | 901925618-1                                                      | CONTRATO No. | 2025040002 |
|                                                                                   | INTERVENTOR                  | CONSORCIO INTERAVANCE EDUCATIVO          |                               | NIT                                                                                                                          | 901925042-8 | CONTRATO No.                                                     | 2025050004   |            |
|                                                                                   | SECRETARIA DE INFRAESTRUTURA | CAPÍTULO                                 | 18.0                          | ITEM                                                                                                                         | 18.3        | GRANIACRYL PARA EXTERIORES SOBRE PAÑETE LISO (MUROS EXTERIORES). |              | UNID.      |

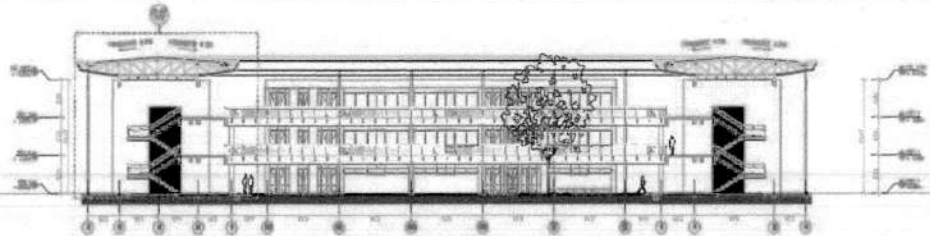
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| A-CP-ASC2101                                                                         |  |  |  |
|   |  |  |  |
| C-CP-ASC2101                                                                         |  |  |  |
|  |  |  |  |
| L-CP-ASC2101                                                                         |  |  |  |

| BLOQUE 3                           |           |      |            |
|------------------------------------|-----------|------|------------|
| DESCRIPCION                        | AREA (M2) | CANT | TOTAL (M2) |
| AULA DE CLASE ESQUINERA            | 72.56     | 11   | 798.15     |
| AULA DE CLASE MEDIANERA            | 37.06     | 14   | 518.87     |
| BATERIA SANITARIA TIPO 2 EJE 11-12 | 111.57    | 3    | 334.72     |
| BATERIA SANITARIA TIPO 1 EJE 3-4   | 71.45     | 3    | 214.35     |
| AULA MAGISTRAL                     | 141.76    | 1    | 141.76     |
| MURO ESCALERA                      | 63.72     | 2    | 127.44     |
| TOTAL                              |           |      | 2135.28    |

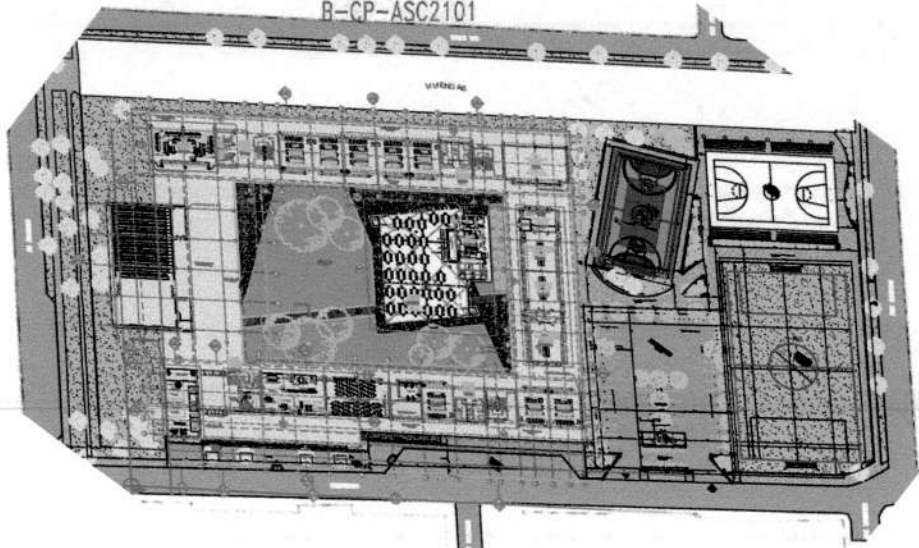
| BLOQUE 2                                                 |           |      |            |
|----------------------------------------------------------|-----------|------|------------|
| DESCRIPCION                                              | AREA (M2) | CANT | TOTAL (M2) |
| AULA TECNICA SENA DE AGROINDUSTRIA                       | 108.83    | 1    | 108.83     |
| AULA TECNICA DE CARNICOS                                 | 68.34     | 1    | 68.34      |
| AULA TECNICA DE LACTEOS, FRUTAS Y HORTALIZAS             | 62.81     | 1    | 62.81      |
| DATA CENTER Y CUARTO DE RACK                             | 60.80     | 3    | 182.41     |
| AULA TECNICA SENA CONTABLE, TALLER DE ROBOTICA           | 91.84     | 2    | 183.68     |
| AULA DE SISTEMA CONTABLE, LABORATORIO DE CIENCIAS        | 60.35     | 2    | 120.70     |
| LABORATORIO DE BIOLOGIA, LABORATORIO DE FISICA Y QUIMICA | 51.20     | 2    | 102.41     |
| TOTAL                                                    |           |      | 829.18     |

| SUBESTACION |           |      |            |
|-------------|-----------|------|------------|
| DESCRIPCION | AREA (M2) | CANT | TOTAL (M2) |
| SUBESTACION | 111.70    | 1    | 111.70     |
| TOTAL       |           |      | 111.70     |

|                                                                                   |                        |      |                                 |      |                                          |      |                                                                                                                              |                                                                  |                          |  |            |       |  |    |  |
|-----------------------------------------------------------------------------------|------------------------|------|---------------------------------|------|------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|--|------------|-------|--|----|--|
|  | REPUBLICA DE COLOMBIA  |      |                                 |      | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |      |                                                                                                                              |                                                                  | ACTA MODIFICATORIA No. 1 |  |            |       |  |    |  |
|                                                                                   | DEPARTAMENTO DEL CESAR |      | SECRETARIA DE INFRAESTRUTURA    |      | OBJETO DEL CONTRATO                      |      | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |                                                                  |                          |  |            |       |  |    |  |
|                                                                                   |                        |      |                                 |      |                                          |      |                                                                                                                              |                                                                  |                          |  |            |       |  |    |  |
|                                                                                   | CONTRATISTA            |      | CONSORCIO PEDAGOGIA CESARENSE   |      | NIT                                      |      | 901925618-1                                                                                                                  |                                                                  | CONTRATO No.             |  | 2025040002 |       |  |    |  |
|                                                                                   | INTERVENIOR            |      | CONSORCIO INTERAVANCE EDUCATIVO |      | NIT                                      |      | 901925042-8                                                                                                                  |                                                                  | CONTRATO No.             |  | 2025050004 |       |  |    |  |
| CAPÍTULO                                                                          |                        | 18.0 |                                 | ITEM |                                          | 18.3 |                                                                                                                              | GRANIACRYL PARA EXTERIORES SOBRE PAÑETE LISO (MUROS EXTERIORES). |                          |  |            | UNID. |  | M2 |  |



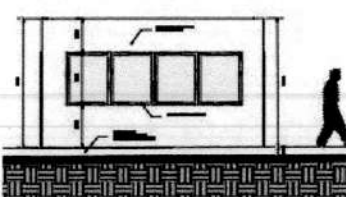
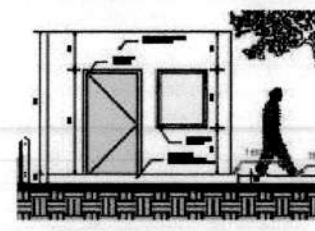
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| BLOQUE 1                                           |           |      |            |
|----------------------------------------------------|-----------|------|------------|
| DESCRIPCION                                        | AREA (M2) | CANT | TOTAL (M2) |
| FOTOCOPIA                                          | 47.17     | 1    | 47.17      |
| SECRETARIA ACADEMICA, ARCHIVO, ORIENTACION ESCOLAR | 143.80    | 1    | 143.80     |
| BUITRON ACCESO CIRE                                | 9.56      | 3    | 28.69      |
| BAÑO PROFESORES                                    | 34.80     | 1    | 34.80      |
| RECTORIA                                           | 111.46    | 1    | 111.46     |
| SALA DE PROFESORES                                 | 103.95    | 1    | 103.95     |
| AREA DE FILMACION Y EMISORA                        | 52.82     | 1    | 52.82      |
| AULA DE CLASE ESQUINERA                            | 72.56     | 6    | 435.35     |
| AULA DE CLASE MEDIANERA                            | 37.06     | 7    | 259.43     |
| BATERIA SANITARIA TIPO 2 EJE 11-12                 | 111.57    | 3    | 334.72     |
| BIBLIOTECA                                         | 34.77     | 1    | 34.77      |
| BAÑOS CIRE                                         | 8.79      | 1    | 8.79       |
| SALA DE INFORMATICA 1                              | 32.55     | 1    | 32.55      |
| SALA DE INFORMATICA 2                              | 48.86     | 1    | 48.86      |
| BAÑOS TERCER PISO                                  | 8.73      | 1    | 8.73       |
| AREA DE INCLUSION AUDITIVA                         | 17.59     | 1    | 17.59      |
| AULA DE INCLUSION VISUAL                           | 58.39     | 1    | 58.39      |
| AREA DE BILINGUISMO                                | 97.73     | 1    | 97.73      |
| TOTAL                                              |           |      | 1859.59    |

| CAFETERIA   |           |      |            |
|-------------|-----------|------|------------|
| DESCRIPCION | AREA (M2) | CANT | TOTAL (M2) |
| CAFETERIA   | 151.63    | 1    | 151.63     |
| TOTAL       |           |      | 151.63     |

| BLOQUE 4    |           |      |            |
|-------------|-----------|------|------------|
| DESCRIPCION | AREA (M2) | CANT | TOTAL (M2) |
| AUDITORIO   | 795.58    | 1    | 795.58     |
| TOTAL       |           |      | 795.58     |

|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             |                                                                         |                  |             |                   |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------|------------------|-------------|-------------------|----------------|
|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p>                                                                                           | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                                     |             | <b>ACTA MODIFICATORIA No. 1</b>                                         |                  |             |                   |                |
|                                                                                                                                                                                                                                                                                               | <b>OBJETO DEL CONTRATO</b>                      |                                 | <b>CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR</b> |             |                                                                         |                  |             |                   |                |
|                                                                                                                                                                                                                                                                                               | <b>CONTRATISTA</b>                              | CONSORCIO PEDAGOGIA CESARENSE   | <b>NIT</b>                                                                                                                          | 901925618-1 | <b>CONTRATO No.</b>                                                     | 2025040002       |             |                   |                |
|                                                                                                                                                                                                                                                                                               | <b>INTERVENTOR</b>                              | CONSORCIO INTERAVANCE EDUCATIVO | <b>NIT</b>                                                                                                                          | 901925042-8 | <b>CONTRATO No.</b>                                                     | 2025050004       |             |                   |                |
|                                                                                                                                                                                                                                                                                               | <b>CAPÍTULO</b>                                 | 18.0                            | <b>ITEM</b>                                                                                                                         | 18.3        | <b>GRANIACRYL PARA EXTERIORES SOBRE PAÑETE LISO (MUROS EXTERIORES).</b> |                  |             |                   |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>UNID.</b>                                                            | <b>M2</b>        |             |                   |                |
|   <p style="text-align: center;">(A) FACHADA SUR - GARITA</p> <p style="text-align: center;">(A) FACHADA ESTE - GARITA</p> |                                                 |                                 |                                                                                                                                     |             | <b>GARITA</b>                                                           |                  |             |                   |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>DESCRIPCION</b>                                                      | <b>AREA (M2)</b> | <b>CANT</b> | <b>TOTAL (M2)</b> |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | GARITA                                                                  | 32.45            | 1           | 32.45             |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>TOTAL</b>                                                            |                  |             | <b>32.45</b>      |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>MURO DE CERRAMIENTO</b>                                              |                  |             |                   |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>DESCRIPCION</b>                                                      | <b>AREA (M2)</b> | <b>CANT</b> | <b>TOTAL (M2)</b> |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | MURO DE CERRAMIENTO                                                     | 1257.71          | 1           | 1257.71           |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>TOTAL</b>                                                            |                  |             | <b>1257.71</b>    |                |
|                                                                                                                                                                                                                                                                                               |                                                 |                                 |                                                                                                                                     |             | <b>CANTIDAD TOTAL</b>                                                   |                  |             |                   | <b>7173.12</b> |

Nombre:  
**RESIDENTE DE OBRA**  
**DUBER DURAN**  
**CONSORCIO PEDAGOGIA CESARENSE**

Nombre:  
**DIRECTOR DE OBRA**  
**OMAR MOUKARZEL**  
**CONSORCIO PEDAGOGIA CESARENSE**

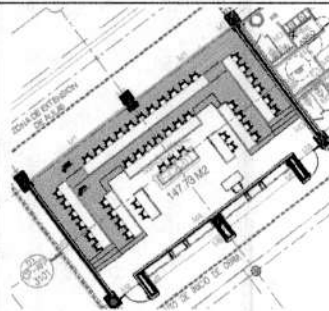
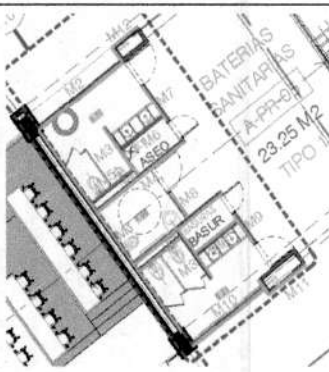
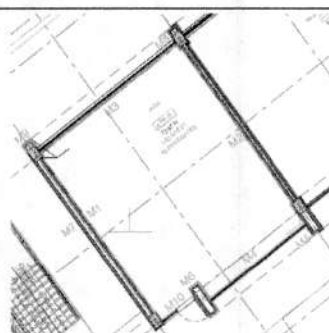
Nombre:  
**RESIDENTE DE INTERVENTORIA**  
**GUSTAVO BARROS BAQUERO**  
**CONSORCIO INTERAVANCE EDUCATIVO**

Nombre:  
**DIRECTOR DE INTERVENTORIA**  
**MARIA BERNARDA NOVA**  
**CONSORCIO INTERAVANCE EDUCATIVO**

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GRANIACRYL PARA EXTERIORES SOBRE PAÑETE LISO (MUROS EXTERIORES) (M2)

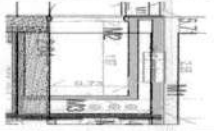
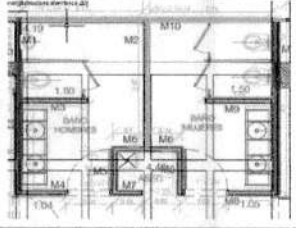
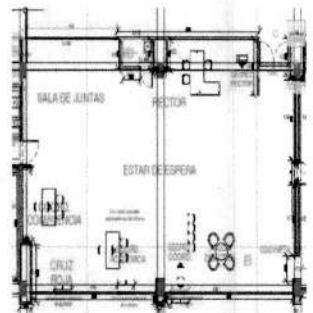
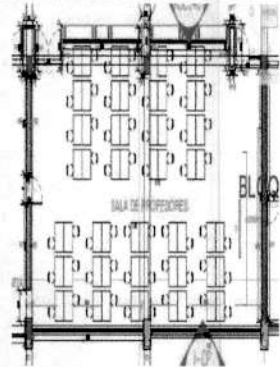
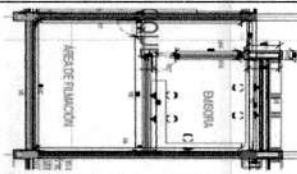
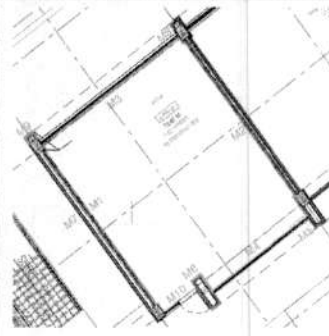
| BLOQUE 3                           |              |                                       |                   |                 |      |           |
|------------------------------------|--------------|---------------------------------------|-------------------|-----------------|------|-----------|
| DESCRIPCION                        | LOCALIZACIÓN |                                       | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) |
| AULA DE CLASE ESQUINERA            | MURO 3       | ANTEPECHO VENTANA MURO EXT            | 7.70              | 1.30            | 1    | 10.01     |
|                                    |              | MURO DINTEL VENTANA                   | 7.70              | 1.30            | 1    | 10.01     |
|                                    | MURO 4       | ANTEPECHO VENTANA ACCESO              | 5.34              | 1.25            | 1    | 6.68      |
|                                    |              | DINTEL VENTANA                        | 5.34              | 1.20            | 1    | 6.41      |
|                                    | MURO 6       | BUITRON ACCESO                        | 1.07              | 3.70            | 1    | 3.96      |
| AULA DE CLASE MEDIANERA            | MURO 7       | MURO FACHADA                          | 9.22              | 3.85            | 1    | 35.50     |
|                                    | MURO 3       | ANTEPECHO VENTANA MURO EXT            | 7.70              | 1.30            | 1    | 10.01     |
|                                    |              | MURO DINTEL VENTANA                   | 7.70              | 1.30            | 1    | 10.01     |
|                                    | MURO 4       | ANTEPECHO VENTANA ACCESO              | 5.34              | 1.25            | 1    | 6.68      |
|                                    |              | DINTEL VENTANA                        | 5.34              | 1.20            | 1    | 6.41      |
| BATERIA SANITARIA TIPO 2 EJE 11-12 | MURO 6       | BUITRON ACCESO                        | 1.07              | 3.70            | 1    | 3.96      |
|                                    | MURO 1       | ANTEPECHO MURO EXTERIOR               | 7.70              | 2.07            | 1    | 15.94     |
|                                    |              | DINTEL VENTANA EXTERNO                | 7.70              | 1.28            | 1    | 9.86      |
|                                    | MURO 6       | MURO LATERAL LAVAMANOS                | 3.33              | 3.70            | 2    | 24.64     |
|                                    | MURO 7       | ANTEPECHO BEBEDEROS IZQUIERDO         | 3.05              | 1.83            | 1    | 5.58      |
|                                    |              | MURO DINTEL VENTANA                   | 3.05              | 1.17            | 1    | 3.57      |
|                                    | MURO 8       | MURO LATERAL                          | 0.63              | 3.70            | 1    | 2.33      |
|                                    |              | ANTEPECHO BEBEDEROS DERECHO           | 1.88              | 1.83            | 1    | 3.44      |
|                                    |              | MURO DINTEL VENTANA                   | 1.88              | 1.17            | 1    | 2.20      |
|                                    |              | BUITRON ACCESO BAÑOS                  | 1.17              | 3.70            | 1    | 4.33      |
|                                    |              | MURO LATERAL                          | 0.63              | 3.70            | 1    | 2.33      |
|                                    | MURO 11      | MURO FACHADA ESCALERA                 | 9.83              | 3.80            | 1    | 37.35     |
| BATERIA SANITARIA TIPO 1 EJE 3-4   | MURO 2       | ANTEPECHO VENTANA FACHADA BAÑO HOMBRE | 3.71              | 1.95            | 1    | 7.23      |
|                                    |              | MURO DINTEL VENTANA                   | 3.71              | 1.20            | 1    | 4.45      |
|                                    | MURO 4       | MURO ACCESO BAÑO DISC                 | 1.42              | 3.70            | 2    | 10.51     |
|                                    | MURO 7       | MURO ACCESO BAÑO HOMBRE               | 1.44              | 2.50            | 1    | 3.60      |
|                                    |              | MURO DINTEL PUERTA                    | 3.38              | 1.20            | 1    | 4.06      |
|                                    | MURO 8       | MURO ACCESO BAÑO DISC                 | 1.01              | 2.12            | 1    | 2.14      |
|                                    |              | MURO SOBRE DINTEL                     | 2.06              | 0.90            | 1    | 1.85      |
|                                    | MURO 9       | MURO ACCESO BAÑO DAMA                 | 1.24              | 2.50            | 1    | 3.10      |
|                                    |              | MURO DINTEL PUERTA                    | 3.10              | 1.20            | 1    | 3.72      |
|                                    | MURO 10      | ANTEPECHO MURO FACHADA BAÑO DAMA      | 3.19              | 1.57            | 1    | 5.00      |
|                                    |              | MURO VENTANA DINTEL                   | 3.19              | 0.75            | 1    | 2.39      |
|                                    | MURO 11      | MURO VENTANA DINTEL                   | 1.68              | 3.70            | 1    | 6.22      |
|                                    |              | BUITRON BAÑO DAMA                     | 0.97              | 3.70            | 1    | 3.59      |
|                                    |              | BUITRON BAÑO HOMBRE                   | 0.64              | 3.70            | 1    | 2.37      |
|                                    | MURO 12      | BUITRON BAÑO DAMA                     | 1.16              | 3.70            | 1    | 4.29      |
|                                    |              | BUITRON BAÑO HOMBRE                   | 1.16              | 3.85            | 1    | 4.47      |
| AULA MAGISTRAL                     | MURO 1       | ANTEPECHO MURO FACHADA POSTERIOR      | 7.70              | 0.85            | 2    | 13.09     |
|                                    |              | MURO DINTEL VENTANA FACHADA POSTERIOR | 7.70              | 1.10            | 2    | 16.94     |
|                                    | MURO 2       | MURO FACHADA LATERAL                  | 9.88              | 3.80            | 1    | 37.54     |
|                                    | MURO 4       | MURO FRONTAL                          | 5.30              | 3.70            | 2    | 39.18     |
|                                    | MURO 5       | BUITRON ACCESO                        | 1.68              | 3.70            | 2    | 12.43     |
|                                    |              | BUITRON ACCESO                        | 1.07              | 3.70            | 2    | 7.92      |
|                                    | MURO 6       | BUITRON MEDIANERO                     | 1.68              | 3.70            | 2    | 12.43     |
|                                    |              | BUITRON MEDIANERO                     | 0.60              | 3.70            | 1    | 2.22      |
| ESCALERA                           | MURO         | EJE 5, 13                             | 3.60              | 8.85            | 2    | 63.72     |



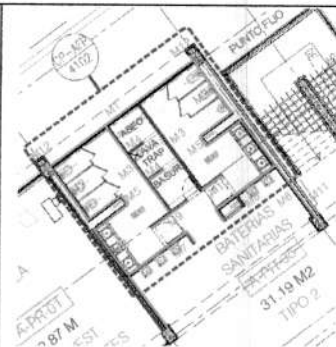
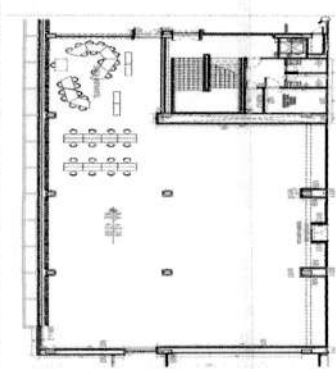
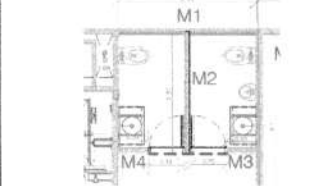
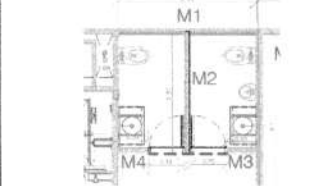
3629

| BLOQUE 2                                       |              |                                |                   |                 |      |           | AREA TOTAL (M2) |  |
|------------------------------------------------|--------------|--------------------------------|-------------------|-----------------|------|-----------|-----------------|--|
| DESCRIPCION                                    | LOCALIZACIÓN |                                | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) |                 |  |
| AULA TECNICA SENA DE AGROINDUSTRIA             | MURO 2       | ANTEPECHO MURO                 | 7.38              | 2.00            | 1    | 14.76     | 108.83          |  |
|                                                |              | DINTEL VENTANA                 | 7.38              | 1.30            | 1    | 9.59      |                 |  |
|                                                | MURO 3       | ANTEPECHO MURO                 | 7.70              | 2.00            | 1    | 15.40     |                 |  |
|                                                |              | MURO DINTEL VENTANA            | 7.70              | 1.35            | 1    | 10.40     |                 |  |
|                                                | MURO 4       | ANTEPECHO MURO                 | 2.20              | 1.30            | 1    | 2.86      |                 |  |
|                                                |              | DINTEL VENTANA                 | 2.20              | 1.00            | 1    | 2.20      |                 |  |
|                                                | MURO 5       | BUITRON FACHADA                | 1.60              | 3.85            | 1    | 6.16      |                 |  |
|                                                | MURO 8       | MURO DINTEL PUERTA             | 1.54              | 0.80            | 1    | 1.23      |                 |  |
|                                                | MURO 10      | DINTEL PUERTA FACHADA INTERIOR | 2.20              | 0.80            | 1    | 1.76      |                 |  |
|                                                | MURO 13      | MURO FACHADA                   | 10.26             | 3.80            | 1    | 38.99     |                 |  |
| AULA TECNICA DE CARNICOS                       | MURO 2       | ANTEPECHO MURO                 | 7.33              | 2.00            | 1    | 14.66     | 68.34           |  |
|                                                |              | DINTEL VENTANA                 | 7.33              | 1.30            | 1    | 9.53      |                 |  |
|                                                | MURO 3       | ANTEPECHO MURO                 | 7.33              | 2.00            | 1    | 14.66     |                 |  |
|                                                |              | MURO DINTEL VENTANA            | 7.33              | 1.35            | 1    | 9.90      |                 |  |
|                                                | MURO 4       | DINTEL PUERTA FACHADA EXTERIOR | 0.90              | 2.20            | 1    | 1.98      |                 |  |
|                                                | MURO 5       | BUITRON ACCESO                 | 0.77              | 3.70            | 1    | 2.85      |                 |  |
|                                                | MURO 8       | BUITRON FACHADA                | 1.60              | 3.80            | 1    | 6.08      |                 |  |
|                                                | MURO 9       | MURO DINTEL PUERTA             | 1.54              | 0.80            | 1    | 1.23      |                 |  |
|                                                | MURO 10      | DINTEL PUERTA FACHADA INTERIOR | 2.20              | 0.80            | 1    | 1.76      |                 |  |
|                                                | MURO 12      | BUITRON FACHADA                | 0.74              | 3.85            | 2    | 5.70      |                 |  |
| AULA TECNICA DE LACTEOS, FRUTAS Y HORTALIZAS   | MURO 2       | ANTEPECHO MURO                 | 7.10              | 2.00            | 1    | 14.20     | 62.81           |  |
|                                                |              | DINTEL VENTANA                 | 7.10              | 1.30            | 1    | 9.23      |                 |  |
|                                                | MURO 3       | ANTEPECHO MURO                 | 7.10              | 2.05            | 1    | 14.56     |                 |  |
|                                                |              | MURO DINTEL VENTANA            | 7.10              | 1.30            | 1    | 9.23      |                 |  |
|                                                | MURO 5       | BUITRON FACHADA                | 1.60              | 3.85            | 1    | 6.16      |                 |  |
|                                                | MURO 6       | BUITRON ACCESO                 | 0.77              | 3.70            | 1    | 2.85      |                 |  |
|                                                | MURO 7       | DINTEL PUERTA FACHADA EXTERIOR | 2.20              | 0.90            | 1    | 1.98      |                 |  |
|                                                |              | DINTEL PUERTA FACHADA INTERIOR | 2.20              | 0.80            | 1    | 1.76      |                 |  |
| DATA CENTER Y CUARTO DE RACK                   | MURO 3       | MURO FRONTAL CUARTO DE RACK    | 1.99              | 2.90            | 1    | 5.77      | 60.80           |  |
|                                                |              | MURO DINTEL PUERTA             | 3.19              | 0.80            | 1    | 2.55      |                 |  |
|                                                | MURO 4       | DINTEL PUERTA                  | 2.20              | 0.80            | 1    | 1.76      |                 |  |
|                                                | MURO 5       | BUITRON FACHADA                | 1.60              | 3.85            | 1    | 6.16      |                 |  |
|                                                | MURO 6       | ANTEPECHO MURO FACHADA         | 2.20              | 1.30            | 1    | 2.86      |                 |  |
|                                                |              | DINTEL VENTANA                 | 2.20              | 1.00            | 1    | 2.20      |                 |  |
|                                                | MURO 7       | MURO FACHADA                   | 10.26             | 3.85            | 1    | 39.50     |                 |  |
| AULA TECNICA SENA CONTABLE, TALLER DE ROBOTICA | MURO 2       | ANTEPECHO MURO                 | 7.38              | 1.25            | 1    | 9.23      | 91.84           |  |
|                                                |              | DINTEL VENTANA                 | 7.38              | 1.20            | 1    | 8.86      |                 |  |
|                                                | MURO 3       | ANTEPECHO MURO                 | 7.70              | 1.30            | 1    | 10.01     |                 |  |
|                                                |              | MURO DINTEL VENTANA            | 7.70              | 1.00            | 1    | 7.70      |                 |  |
|                                                | MURO 4       | ANTEPECHO MURO                 | 2.20              | 1.30            | 1    | 2.86      |                 |  |
|                                                |              | DINTEL VENTANA                 | 2.20              | 1.00            | 1    | 2.20      |                 |  |
|                                                | MURO 5       | BUITRON FACHADA                | 1.60              | 3.85            | 1    | 6.16      |                 |  |
|                                                | MURO 8       | MURO DINTEL PUERTA             | 1.54              | 0.80            | 1    | 1.23      |                 |  |
|                                                | MURO 10      | DINTEL PUERTA FACHADA INTERIOR | 2.20              | 0.80            | 1    | 1.76      |                 |  |
|                                                | MURO 11      | BUITRON ACCESO                 | 0.77              | 3.70            | 1    | 2.85      |                 |  |
|                                                | MURO 13      | MURO FACHADA                   | 10.26             | 3.80            | 1    | 38.99     |                 |  |

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|                                   |         |                                        |      |      |   |       |        |                                                                                      |
|-----------------------------------|---------|----------------------------------------|------|------|---|-------|--------|--------------------------------------------------------------------------------------|
| BITRON<br>ACCESO CIRE             | MURO 1  | MURO FACHADA                           | 2.55 | 3.75 | 1 | 9.56  | 9.56   |   |
| BAÑO<br>PROFESORES                | MURO 10 | ANTEPECHO MURO FACHADA POST<br>HOMBRES | 2.71 | 2.07 | 2 | 11.22 | 34.80  |    |
|                                   |         | ANTEPECHO MURO FACHADA POST<br>HOMBRES | 2.71 | 2.07 | 2 | 11.22 |        |                                                                                      |
|                                   |         | DINTEL MURO VENTANA BAÑO<br>MUJERES    | 2.71 | 1.14 | 2 | 6.18  |        |                                                                                      |
|                                   |         | DINTEL MURO VENTANA BAÑO<br>MUJERES    | 2.71 | 1.14 | 2 | 6.18  |        |                                                                                      |
| RECTORIA                          | MURO 2  | BITRON                                 | 0.71 | 3.25 | 1 | 2.31  | 111.46 |    |
|                                   | MURO 5  | MURO CRUZ ROJA                         | 5.31 | 3.85 | 1 | 20.44 |        |                                                                                      |
|                                   |         | DINTEL VENTANA ATENCION<br>PUBLICO     | 1.00 | 1.20 | 1 | 1.20  |        |                                                                                      |
|                                   |         | ANTEPECHO VENTANA ATENCION<br>PUBLICO  | 1.00 | 1.10 | 1 | 1.10  |        |                                                                                      |
|                                   | MURO 6  | MURO AYUDA DIDACTICA                   | 6.59 | 3.85 | 1 | 25.37 |        |                                                                                      |
|                                   |         | DINTEL VENTANA SRETARIA                | 1.00 | 1.10 | 1 | 1.10  |        |                                                                                      |
|                                   |         | ANTEPECHO VENTANA SECRETARIA           | 1.00 | 1.20 | 1 | 1.20  |        |                                                                                      |
|                                   | MURO 10 | MURO BITRON                            | 1.53 | 3.75 | 2 | 11.48 |        |                                                                                      |
|                                   |         | MURO BITRON                            | 0.70 | 3.25 | 1 | 2.28  |        |                                                                                      |
|                                   | M16     | ANTEPECHO VENTANA                      | 5.44 | 1.20 | 1 | 6.53  |        |                                                                                      |
| SALA DE<br>PROFESORES             | MURO 4  | DINTEL VENTANA FACHADA                 | 7.61 | 1.15 | 1 | 8.75  | 103.95 |   |
|                                   |         | ANTEPECHO VENTANA FACHADA              | 7.61 | 1.20 | 2 | 18.26 |        |                                                                                      |
|                                   | MURO 5  | DINTEL VENTANA FACHADA                 | 7.65 | 1.15 | 1 | 8.80  |        |                                                                                      |
|                                   |         | ANTEPECHO VENTANA FACHADA              | 7.65 | 1.20 | 2 | 18.36 |        |                                                                                      |
|                                   | MURO 8  | DINTEL VENTANA CORREDOR                | 5.33 | 1.30 | 1 | 6.93  |        |                                                                                      |
|                                   |         | ANTEPECHO VENTANA CORREDOR             | 5.33 | 1.20 | 1 | 6.40  |        |                                                                                      |
|                                   | MURO 9  | MURO BITRON                            | 0.96 | 3.75 | 1 | 3.60  |        |                                                                                      |
|                                   | MURO 10 | MURO BITRON                            | 0.66 | 3.75 | 1 | 2.48  |        |                                                                                      |
|                                   | MURO 11 | MURO BITRON                            | 1.44 | 3.75 | 1 | 5.40  |        |                                                                                      |
|                                   | MURO 12 | DINTEL VENTANA CORREDOR                | 5.34 | 1.30 | 1 | 6.94  |        |                                                                                      |
|                                   |         | ANTEPECHO VENTANA CORREDOR             | 5.34 | 1.20 | 1 | 6.41  |        |                                                                                      |
|                                   | MURO 16 | MURO BITRON                            | 1.55 | 3.75 | 1 | 5.81  |        |                                                                                      |
|                                   | MURO 18 | MURO BITRON                            | 1.55 | 3.75 | 1 | 5.81  |        |                                                                                      |
| AREA DE<br>FILMACION Y<br>EMISORA | MURO 3  | MURO FACHADA EXTERNA                   | 7.70 | 3.85 | 1 | 29.65 | 52.82  |  |
|                                   | MURO 8  | DINTEL MURO CORREDOR                   | 5.34 | 1.30 | 1 | 6.94  |        |                                                                                      |
|                                   |         | ANTEPECHO MURO CORREDOR                | 5.34 | 1.20 | 1 | 6.41  |        |                                                                                      |
|                                   | MURO 9  | MURO BITRON                            | 1.31 | 3.75 | 1 | 4.91  |        |                                                                                      |
|                                   | MURO 11 | MURO BITRON                            | 1.31 | 3.75 | 1 | 4.91  |        |                                                                                      |
| AULA DE CLASE<br>ESQUINERA        | MURO 3  | ANTEPECHO VENTANA MURO EXT             | 7.70 | 1.30 | 1 | 10.01 | 72.56  |  |
|                                   |         | MURO DINTEL VENTANA                    | 7.70 | 1.30 | 1 | 10.01 |        |                                                                                      |
|                                   | MURO 4  | ANTEPECHO VENTANA ACCESO               | 5.34 | 1.25 | 1 | 6.68  |        |                                                                                      |
|                                   |         | DINTEL VENTANA                         | 5.34 | 1.20 | 1 | 6.41  |        |                                                                                      |
|                                   | MURO 6  | BITRON ACCESO                          | 1.07 | 3.70 | 1 | 3.96  |        |                                                                                      |
|                                   | MURO 7  | MURO FACHADA                           | 9.22 | 3.85 | 1 | 35.50 |        |                                                                                      |
| AULA DE CLASE<br>MEDIANERA        | MURO 3  | ANTEPECHO VENTANA MURO EXT             | 7.70 | 1.30 | 1 | 10.01 | 37.06  |                                                                                      |
|                                   |         | MURO DINTEL VENTANA                    | 7.70 | 1.30 | 1 | 10.01 |        |                                                                                      |
|                                   | MURO 4  | ANTEPECHO VENTANA ACCESO               | 5.34 | 1.25 | 1 | 6.68  |        |                                                                                      |
|                                   |         | DINTEL VENTANA                         | 5.34 | 1.20 | 1 | 6.41  |        |                                                                                      |
|                                   | MURO 6  | BITRON ACCESO                          | 1.07 | 3.70 | 1 | 3.96  |        |                                                                                      |
|                                   |         |                                        |      |      |   |       |        |                                                                                      |

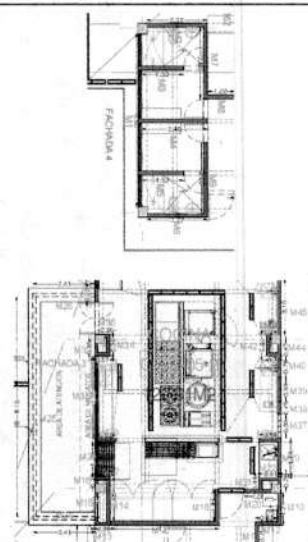
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|                                          |         |                                  |      |      |   |       |        |                                                                                      |
|------------------------------------------|---------|----------------------------------|------|------|---|-------|--------|--------------------------------------------------------------------------------------|
| BATERIA<br>SANITARIA TIPO 2<br>EJE 11-12 | MURO 1  | ANTEPECHO MURO EXTERIOR          | 7.70 | 2.07 | 1 | 15.94 | 111.57 |    |
|                                          |         | DINTEL VENTANA EXTERNO           | 7.70 | 1.28 | 1 | 9.86  |        |                                                                                      |
|                                          | MURO 6  | MURO LATERAL LAVAMANOS           | 3.33 | 3.70 | 2 | 24.64 |        |                                                                                      |
|                                          | MURO 7  | ANTEPECHO BEBEDEROS IZQUIERDO    | 3.05 | 1.83 | 1 | 5.58  |        |                                                                                      |
|                                          |         | MURO DINTEL VENTANA              | 3.05 | 1.17 | 1 | 3.57  |        |                                                                                      |
|                                          |         | MURO LATERAL                     | 0.63 | 3.70 | 1 | 2.33  |        |                                                                                      |
|                                          | MURO 8  | ANTEPECHO BEBEDEROS DERECHO      | 1.88 | 1.83 | 1 | 3.44  |        |                                                                                      |
|                                          |         | MURO DINTEL VENTANA              | 1.88 | 1.17 | 1 | 2.20  |        |                                                                                      |
|                                          |         | BUITRON ACCESO BAÑOS             | 1.17 | 3.70 | 1 | 4.33  |        |                                                                                      |
|                                          |         | MURO LATERAL                     | 0.63 | 3.70 | 1 | 2.33  |        |                                                                                      |
|                                          | MURO 11 | MURO FACHADA ESCALERA            | 9.83 | 3.80 | 1 | 37.35 |        |                                                                                      |
| BIBLIOTECA                               | MURO 3  | MURO LATERAL EXTERNO             | 5.40 | 3.74 | 1 | 20.20 | 34.77  |    |
|                                          | MURO 7  | MURO BUITRON                     | 0.91 | 3.85 | 1 | 3.50  |        |                                                                                      |
|                                          | MURO 4  | MURO FACHADA                     | 2.96 | 3.74 | 1 | 11.07 |        |                                                                                      |
| BAÑOS CIRE                               | MURO 1  | ANTEPECHO MURO POSTERIOR/VENTANA | 2.93 | 2.00 | 1 | 5.86  | 8.79   |   |
|                                          |         | DINTEL VENTANA                   | 2.93 | 1.00 | 1 | 2.93  |        |                                                                                      |
| SALA DE<br>INFORMATICA 1                 | MURO 14 | MURO BUITRON                     | 0.62 | 3.74 | 1 | 2.32  | 32.55  |  |
|                                          | MURO 15 | ANTEPECHO MURO POSTERIOR         | 7.36 | 1.20 | 1 | 8.83  |        |                                                                                      |
|                                          |         | DINTEL MURO POSTERIOR            | 7.36 | 1.09 | 1 | 8.02  |        |                                                                                      |
|                                          | MURO 17 | MURO BUITRON                     | 2.62 | 3.74 | 1 | 9.80  |        |                                                                                      |
|                                          | MURO 18 | MURO DEPOSITO POSTERIOR          | 0.93 | 3.85 | 1 | 3.58  |        |                                                                                      |
| SALA DE<br>INFORMATICA 2                 | MURO 7  | MURO FACHADA LATERAL             | 1.35 | 3.74 | 2 | 10.10 | 48.86  |  |
|                                          |         | ANTEPECHO VENTANA                | 4.80 | 1.20 | 1 | 5.76  |        |                                                                                      |
|                                          | MURO 9  | MURO DEPOSITO                    | 2.98 | 3.74 | 1 | 11.15 |        |                                                                                      |
|                                          | MURO 10 | MURO FACHADA POST. DEPOSITO      | 1.04 | 3.74 | 1 | 3.89  |        |                                                                                      |
|                                          | MURO 13 | MURO ANTEPECHO FACHADA POSTERIOR | 7.36 | 1.20 | 1 | 8.83  |        |                                                                                      |
|                                          |         | DINTEL MURO POSTERIOR            | 7.36 | 1.09 | 1 | 8.02  |        |                                                                                      |
|                                          | MURO 14 | DINTEL ACCESO                    | 1.74 | 0.64 | 1 | 1.11  |        |                                                                                      |
| BAÑOS                                    | MURO 1  | ANTEPECHO MURO POST              | 2.91 | 1.96 | 1 | 5.70  | 8.73   |  |
|                                          |         | DINTEL                           | 2.91 | 1.04 | 1 | 3.03  |        |                                                                                      |

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|                            |      |                                |      |      |   |       |       |                                                                                                                                                                                    |
|----------------------------|------|--------------------------------|------|------|---|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AREA DE INCLUSION AUDITIVA | M8'  | MURO ANTEPECHO POSTERIOR       | 7.68 | 1.20 | 1 | 9.22  | 17.59 |  <p>AULA DE INCLUSION AUDITIVA<br/>A-BS-01<br/>72.87 M2<br/>1.82 M²/EST.<br/>40 ESTUDIANTES</p> |
|                            |      | DINTEL POSTERIOR               | 7.68 | 1.09 | 1 | 8.37  |       |                                                                                                                                                                                    |
| AULA DE INCLUSION VISUAL   | M16' | ANTEPECHO MURO POST            | 7.37 | 1.20 | 1 | 8.84  | 58.39 |  <p>AULA DE INCLUSION VISUAL<br/>B-RE-02<br/>85.33 M2<br/>40 ESTUDIANTES</p>                     |
|                            |      | DINTEL SOBRE MURO FACHADA POST | 7.37 | 1.09 | 1 | 8.03  |       |                                                                                                                                                                                    |
|                            | M16  | DEPOSITO                       | 1.27 | 3.85 | 1 | 4.89  |       |                                                                                                                                                                                    |
|                            |      |                                | 2.91 | 3.85 | 1 | 11.20 |       |                                                                                                                                                                                    |
|                            | M17  | MURO FACHADA POSTERIOR         | 1.35 | 3.85 | 1 | 5.20  |       |                                                                                                                                                                                    |
|                            |      | ANTEPECHO MURO POST            | 4.80 | 1.20 | 1 | 5.76  |       |                                                                                                                                                                                    |
|                            |      | DINTEL                         | 4.80 | 1.93 | 1 | 9.26  |       |                                                                                                                                                                                    |
|                            |      | MURO FACHADA POSTERIOR         | 1.35 | 3.85 | 1 | 5.20  |       |                                                                                                                                                                                    |
| AREA DE BILINGUISMO        | M2   | MURO ACCESO                    | 1.74 | 0.96 | 1 | 1.67  | 97.73 |  <p>AULA DE BILINGUISMO<br/>B-RE-02<br/>85.59 M2<br/>40 ESTUDIANTES</p>                         |
|                            | M3   | MURO EXTERNO                   | 2.88 | 3.74 | 1 | 10.77 |       |                                                                                                                                                                                    |
|                            | M4   | MURO EXTERNO                   | 6.09 | 2.00 | 1 | 12.18 |       |                                                                                                                                                                                    |
|                            | M5   | MURO BUITRON                   | 1.04 | 3.74 | 1 | 3.89  |       |                                                                                                                                                                                    |
|                            | M7   | MURO BUITRON                   | 1.65 | 3.74 | 1 | 6.21  |       |                                                                                                                                                                                    |
|                            | M9   | MURO ANTEPECHO                 | 4.80 | 1.20 | 1 | 5.76  |       |                                                                                                                                                                                    |
|                            |      | DINTEL                         | 4.80 | 1.09 | 1 | 5.23  |       |                                                                                                                                                                                    |
|                            | M10  | ACCESO DEPOSITO                | 0.71 | 3.74 | 1 | 2.66  |       |                                                                                                                                                                                    |
|                            | M11  | DEPOSITO                       | 2.54 | 3.25 | 1 | 8.26  |       |                                                                                                                                                                                    |
|                            |      |                                | 0.95 | 3.25 | 1 | 3.09  |       |                                                                                                                                                                                    |
|                            | M13  | MURO BUITRON                   | 2.51 | 3.25 | 1 | 8.16  |       |                                                                                                                                                                                    |
|                            | M14  | MURO BUITRON                   | 0.64 | 3.85 | 1 | 2.46  |       |                                                                                                                                                                                    |
|                            | M15  | ACCESO DEPOSITO                | 0.64 | 3.74 | 1 | 2.39  |       |                                                                                                                                                                                    |
|                            | M15  | MURO BUITRON                   | 0.64 | 3.74 | 1 | 2.39  |       |                                                                                                                                                                                    |
|                            | M15  | MURO BUITRON                   | 0.83 | 3.74 | 1 | 3.10  |       |                                                                                                                                                                                    |
|                            | M18  | ANTEPECHO MURO LATERAL         | 7.36 | 1.20 | 1 | 8.83  |       |                                                                                                                                                                                    |
|                            |      | DINTEL MURO LATERAL            | 7.36 | 1.45 | 1 | 10.67 |       |                                                                                                                                                                                    |

| CAFETERIA   |              |                         |                   |                 |      |           |                 |
|-------------|--------------|-------------------------|-------------------|-----------------|------|-----------|-----------------|
| DESCRIPCION | LOCALIZACIÓN |                         | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) | AREA TOTAL (M2) |
| CAFETERIA   | MURO 1       | DINTEL CONTRAFACHA 1    | 6.50              | 1.13            | 1    | 7.35      | 151.63          |
|             | MURO 1       | ANTEPECHO CONTRAFACHA 1 | 6.50              | 1.75            | 1    | 11.38     |                 |
|             | MURO 2       | LATERAL 1               | 2.22              | 3.80            | 1    | 8.44      |                 |
|             | MURO 6       | CONTRAFACHADA           | 2.22              | 3.80            | 1    | 8.44      |                 |
|             | MURO 11      | SOPORTE PUERTA          | 0.75              | 3.20            | 1    | 2.40      |                 |
|             | MURO 12      | ESQUINERO               | 0.87              | 3.20            | 1    | 2.78      |                 |
|             | MURO 19      | CONTRAFACHADA           | 1.21              | 3.80            | 1    | 4.60      |                 |
|             | MURO 24      | MESÓN DE CAFETERIA      | 2.41              | 0.80            | 2    | 3.86      |                 |
|             | MURO 25      |                         | 8.16              | 0.80            | 2    | 13.06     |                 |
|             | MURO 26      |                         | 2.41              | 0.80            | 2    | 3.86      |                 |
|             | MURO 27      | DINTEL FACHADA          | 1.29              | 1.14            | 1    | 1.47      |                 |
|             | MURO 27      | ANTEPECHO FACHADA       | 1.29              | 2.19            | 1    | 2.83      |                 |
|             | MURO 29      | CONTRAFACHADA           | 1.44              | 3.80            | 1    | 5.47      |                 |
|             | MURO 31      | DINTEL FACHADA          | 3.05              | 1.14            | 1    | 3.48      |                 |
|             | MURO 31      | ANTEPECHO FACHADA       | 3.05              | 2.19            | 1    | 6.68      |                 |
|             | MURO 37      | CONTRA FACHADA          | 0.90              | 1.15            | 1    | 1.04      |                 |
|             | MURO 37      |                         | 0.90              | 1.00            | 1    | 0.90      |                 |
|             | MURO 39      |                         | 0.90              | 1.15            | 1    | 1.04      |                 |
|             | MURO 39      |                         | 0.90              | 1.00            | 1    | 0.90      |                 |
|             | MURO 40      |                         | 0.79              | 3.80            | 1    | 3.00      |                 |
|             | MURO 45      | CONTRAFACHADA           | 2.10              | 3.80            | 1    | 7.98      |                 |
|             | MURO 46      |                         | 0.90              | 1.15            | 1    | 1.04      |                 |
|             | MURO 46      |                         | 0.90              | 1.00            | 1    | 0.90      |                 |
|             | MURO 48      | DINTEL FACHADA          | 1.56              | 1.14            | 1    | 1.78      |                 |
|             | MURO 48      | FACHADA                 | 1.56              | 2.19            | 1    | 3.42      |                 |

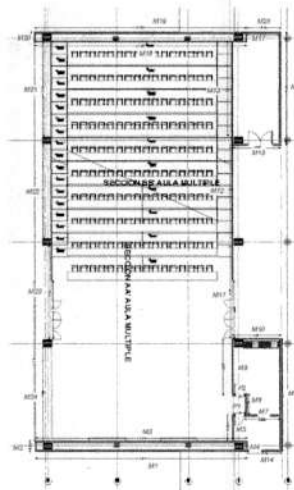


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|           |                      |      |      |   |      |
|-----------|----------------------|------|------|---|------|
| MURO 51   | DINTEL CONTRAFACHADA | 0.90 | 1.61 | 1 | 1.45 |
| MURO 52   | CONTRAFACHADA        | 1.18 | 3.80 | 1 | 4.48 |
| MURO 53   | LATERAL 2            | 1.26 | 3.80 | 1 | 4.79 |
| MURO 54   | MURO DIVISORIO       | 0.94 | 3.20 | 1 | 3.01 |
| MURO 55   | MURO DIVISORIO       | 0.91 | 3.20 | 1 | 2.91 |
| MURO 56   | LATERAL 2            | 1.20 | 3.80 | 1 | 4.56 |
| MURO 57   |                      | 0.90 | 1.15 | 1 | 1.04 |
| MURO 57   |                      | 0.90 | 1.00 | 1 | 0.90 |
| MURO 58   |                      | 2.24 | 3.80 | 1 | 8.51 |
| MURO 61   | BUITRON 5            | 1.11 | 3.80 | 1 | 4.22 |
| MURO 62   | MURO CORTINA         | 1.75 | 1.21 | 1 | 2.12 |
| MURO 62   | MURO CORTINA         | 1.75 | 0.94 | 1 | 1.65 |
| FACHADA 1 | DINTEL PUERTA        | 1.00 | 1.62 | 1 | 1.62 |
| FACHADA 3 | PUERTA ABATIBLE      | 1.23 | 1.15 | 1 | 1.41 |
| FACHADA 2 | DINTEL DE PUERTA     | 0.90 | 1.02 | 1 | 0.92 |

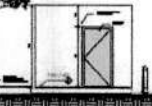
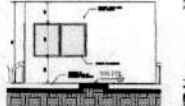
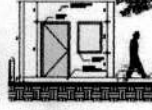
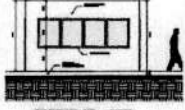


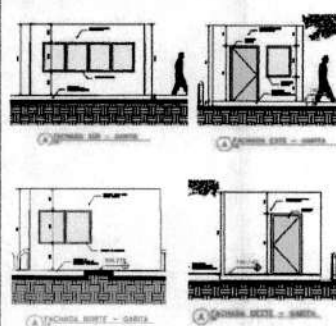
| BLOQUE 4    |              |                                      |                   |                 |      |           |                 |
|-------------|--------------|--------------------------------------|-------------------|-----------------|------|-----------|-----------------|
| DESCRIPCION | LOCALIZACIÓN |                                      | LONGITUD MURO (M) | ALTURA MURO (M) | CANT | AREA (M2) | AREA TOTAL (M2) |
| AUDITORIO   | MURO 3       | BUITRON 1                            | 17.25             | 3.85            | 1    | 66.41     | 795.58          |
|             | MURO 3       | BUITRON 1 SEGUNDO PISO               | 17.25             | 3.70            | 1    | 63.83     |                 |
|             | MURO 5       | MURO DIVISORIO                       | 2.08              | 3.85            | 1    | 8.01      |                 |
|             | MURO 5       | MURO DIVISORIO SEGUNDO PISO          | 2.08              | 3.20            | 1    | 6.66      |                 |
|             | MURO 6       | MURO FACHADA INTERNA                 | 9.04              | 3.00            | 1    | 27.12     |                 |
|             | MURO 7       | MURO CABINA                          | 2.88              | 3.70            | 1    | 10.66     |                 |
|             | MURO 8       | MURO BAÑO                            | 1.70              | 3.70            | 1    | 6.29      |                 |
|             | MURO 9       | MURO DIVISORIO                       | 4.54              | 3.70            | 1    | 16.80     |                 |
|             | MURO 9       | MURO DIVISORIO SEGUNDO PISO          | 4.54              | 3.85            | 1    | 17.48     |                 |
|             | MURO 10      | MURO FACHADA INTERNA                 | 3.97              | 3.70            | 1    | 14.69     |                 |
|             | MURO 11      | MURO FACHADA INTERNA                 | 2.76              | 3.85            | 1    | 10.63     |                 |
|             | MURO 12      | MURO FACHADA INTERNA                 | 7.50              | 3.85            | 1    | 28.88     |                 |
|             | MURO 13      | MURO FACHADA INTERNA                 | 7.50              | 3.85            | 1    | 28.88     |                 |
|             | MURO 11      | ANTEPECHO 2PISO MURO FACHADA INTERNA | 7.37              | 1.95            | 1    | 14.37     |                 |
|             | MURO 12      | ANTEPECHO 2PISO MURO FACHADA INTERNA | 7.50              | 1.95            | 1    | 14.63     |                 |
|             | MURO 13      | ANTEPECHO 2PISO MURO FACHADA INTERNA | 7.50              | 1.95            | 1    | 14.63     |                 |
|             | MURO 15      | BODEGA                               | 1.74              | 3.70            | 1    | 6.44      |                 |
|             | MURO 16      | BODEGA                               | 9.02              | 3.70            | 1    | 33.37     |                 |
|             | MURO 18      | BUITRON 2                            | 17.25             | 3.85            | 1    | 66.41     |                 |
|             | MURO 18      | BUITRON 2 SEGUNDO PISO               | 17.25             | 3.70            | 1    | 63.83     |                 |
|             | MURO 21      | MURO FACHADA EXTERNA                 | 7.50              | 3.85            | 1    | 28.88     |                 |
|             | MURO 22      | MURO FACHADA EXTERNA                 | 7.50              | 3.85            | 1    | 28.88     |                 |
|             | MURO 23      | MURO FACHADA EXTERNA                 | 2.77              | 3.85            | 1    | 10.66     |                 |
|             | MURO 24      | MURO FACHADA EXTERNA                 | 7.50              | 3.85            | 1    | 28.88     |                 |
|             | MURO 21      | ANTEPECHO 2PISO MURO FACHADA EXTERNA | 7.50              | 2.19            | 1    | 16.43     |                 |
|             | MURO 22      | ANTEPECHO 2PISO MURO FACHADA EXTERNA | 7.50              | 2.19            | 1    | 16.43     |                 |
|             | MURO 23      | ANTEPECHO 2PISO MURO FACHADA EXTERNA | 2.77              | 2.19            | 1    | 6.07      |                 |
|             | MURO 24      | 2PISO MURO FACHADA EXTERNA           | 7.50              | 3.70            | 1    | 27.75     |                 |
|             | MURO 14      | MURO EJE J FACHADA INTERNA           | 2.75              | 3.70            | 1    | 10.18     |                 |
|             | MURO 25      | MURO EJE F FACHADA INTERNA           | 2.75              | 3.70            | 1    | 10.18     |                 |
|             | MURO 15      | DINTEL PUERTA ABATIBLE               | 3.32              | 1.41            | 1    | 4.68      |                 |
|             |              | DINTER PUERTAS 1 Y 2                 | 1.06              | 1.51            | 2    | 3.20      |                 |
|             | MURO2        | BUITRON 1                            | 0.60              | 7.70            | 1    | 4.62      |                 |
|             | MURO 4       |                                      | 0.60              | 7.70            | 1    | 4.62      |                 |
|             | MURO 17      | BUITRON 2                            | 0.60              | 7.70            | 1    | 4.62      |                 |
|             | MURO 11      | DINTELVENTANA FACHADA INTERNA        | 7.37              | 1.55            | 1    | 11.42     |                 |
|             | MURO 12      | DINTELVENTANA FACHADA INTERNA        | 7.50              | 1.55            | 1    | 11.63     |                 |
|             | MURO 13      | DINTELVENTANA FACHADA INTERNA        | 7.50              | 1.55            | 1    | 11.63     |                 |
|             | MURO 21      | DINTELVENTANA FACHADA EXTERNA        | 7.50              | 1.55            | 1    | 11.63     |                 |
|             | MURO 22      | DINTELVENTANA FACHADA EXTERNA        | 7.50              | 1.55            | 1    | 11.63     |                 |
|             | MURO 23      | DINTELVENTANA FACHADA EXTERNA        | 7.50              | 1.55            | 1    | 11.63     |                 |



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| GARITA      |              |                              |                   |                 |            |           |                 |
|-------------|--------------|------------------------------|-------------------|-----------------|------------|-----------|-----------------|
| DESCRIPCION | LOCALIZACIÓN |                              | LONGITUD MURO (M) | ALTURA MURO (M) | CANT MUROS | AREA (M2) | AREA TOTAL (M2) |
| GARITA      | MURO 1       | ANTEPECHO MURO FACHADA SUR   | 4.55              | 0.99            | 1          | 4.50      | 32.45           |
|             |              | MURO DINTEL VENTANA          | 4.55              | 0.79            | 1          | 3.59      |                 |
|             | MURO 2       | ANTEPECHO MURO FACHADA NORTE | 2.13              | 0.99            | 1          | 2.10      |                 |
|             |              | MURO LATERAL FACHADA NORTE   | 2.43              | 2.21            | 1          | 5.36      |                 |
|             |              | MURO DINTEL VENTANA          | 4.55              | 0.79            | 1          | 3.59      |                 |
|             |              | MURO LATERAL FACHADA ESTE    | 0.65              | 2.18            | 1          | 1.42      |                 |
|             | MURO 3       | ANTEPECHO MURO FACHADA ESTE  | 1.63              | 0.96            | 1          | 1.56      |                 |
|             |              | MURO DINTEL VENTANA Y PUERTA | 3.35              | 0.79            | 1          | 2.65      |                 |
|             | MURO 4       | MURO LATERAL 1 FACHADA OESTE | 1.62              | 2.21            | 1          | 3.58      |                 |
|             |              | MURO LATERAL 2 FACHADA OESTE | 0.65              | 2.21            | 1          | 1.44      |                 |
|             |              | MURO DINTEL PUERTA           | 3.35              | 0.79            | 1          | 2.65      |                 |





| MURO DE CERRAMIENTO |              |                   |                 |            |           |                 |
|---------------------|--------------|-------------------|-----------------|------------|-----------|-----------------|
| DESCRIPCION         | LOCALIZACIÓN | LONGITUD MURO (M) | ALTURA MURO (M) | CANT MUROS | AREA (M2) | AREA TOTAL (M2) |
|                     |              | 628.85            | 1.00            | 2          | 1257.71   | 1257.71         |

*[Signature]*

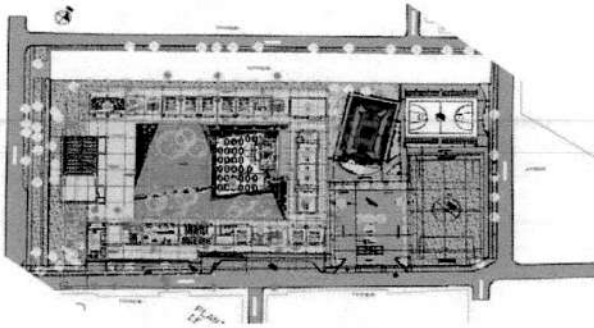
Nombre:  
RESIDENTE DE OBRA  
DUBER DURAN  
CONSORCIO PEDAGOGIA CESARENSE

*[Signature]*

Nombre:  
RESIDENTE DE INTERVENCIÓN  
GUSTAVO BARROS BAQUERO  
CONSORCIO INTERAVANCE EDUCATIVO

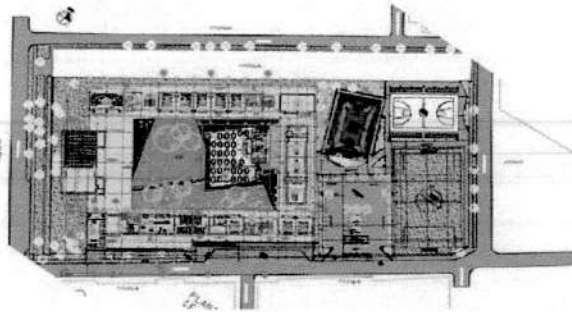
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--------------------------|--|
|  <p> REPUBLICA DE COLOMBIA<br/> DEPARTAMENTO DEL CESAR<br/> SECRETARIA DE INFRAESTRUTURA </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                                                  |             |                                                                                                                              |                                                                                                                       |  | <b>ACTA MODIFICATORIA No. 1</b> |                          |  |
|                                                                                                                                                                                | <b>OBJETO DEL CONTRATO</b>                      |                                                                  |             | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |                                                                                                                       |  |                                 |                          |  |
|                                                                                                                                                                                | <b>CONTRATISTA</b><br><b>INTERVENTOR</b>        | CONSORCIO PEDAGOGIA CESARENSE<br>CONSORCIO INTERAVANCE EDUCATIVO |             | <b>NIT</b>                                                                                                                   | 901925618-1<br>901925042-8                                                                                            |  | <b>CONTRATO No.</b>             | 2025040002<br>2025050004 |  |
|                                                                                                                                                                                | <b>CAPITULO</b>                                 | 20.0                                                             | <b>ITEM</b> | 20.1.3                                                                                                                       | CONSTRUCCIÓN DE BORDILLOS DE (0.15 X 0.60)M EN CONCRETO RÍGIDO 3000 PSI INCLUYE ACERO DE REFUERZO, INCLUYE EXCAVACIÓN |  | <b>UNID.</b>                    | <b>ML</b>                |  |

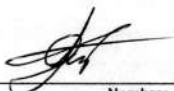
  

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|------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|----------------|-------------------|
|  | <b>BORDILLOS EN CONCRETO</b>                              |                      |                |                   |
|                                                                                    | <b>LOCALIZACION</b>                                       | <b>LONGITUD (ML)</b> | <b>CANT</b>    | <b>TOTAL (ML)</b> |
|                                                                                    | BORDILLO PERIMETRAL A ANDENES DE ZONA INTERNA Y CAFETERIA | 226.50               | 1              | 226.50            |
|                                                                                    | BORDILLO PERIMETRAL A PARQUEADEROS                        | 218.21               | 1              | 218.21            |
|                                                                                    | BORDILLO PERIMETRAL EXTERNO A VIAS LATERALES              | 445.09               | 1              | 445.09            |
|                                                                                    | BORDILLO ZONAS VERDES EN AREA DE CANCHAS                  | 270.38               | 1              | 270.38            |
|                                                                                    | BORDILLO ZONAS VERDES EN PLAZOLETA                        | 10.30                | 4              | 41.20             |
|                                                                                    | <b>TOTAL</b>                                              |                      |                | <b>1,201.38</b>   |
| <b>CANTIDAD TOTAL</b>                                                              |                                                           |                      | <b>1201.38</b> |                   |

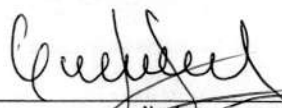
  

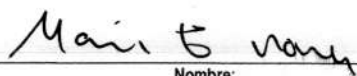
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|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <p> Nombre:<br/> RESIDENTE DE OBRA<br/> DUBER DURAN<br/> CONSORCIO PEDAGOGIA CESARENSE </p>   | <p> Nombre:<br/> RESIDENTE DE INTERVENTORIA<br/> GUSTAVO BARROS BAQUERO<br/> CONSORCIO INTERAVANCE EDUCATIVO </p> |
| <p> Nombre:<br/> DIRECTOR DE OBRA<br/> OMAR MOUKARZEL<br/> CONSORCIO PEDAGOGIA CESARENSE </p> | <p> Nombre:<br/> DIRECTOR DE INTERVENTORIA<br/> MARIA BERNARDA NOVA<br/> CONSORCIO INTERAVANCE EDUCATIVO </p>     |

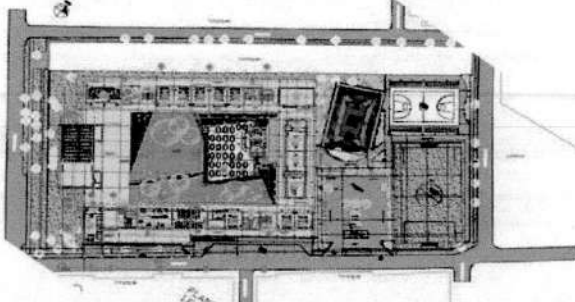
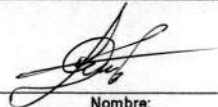
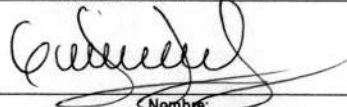
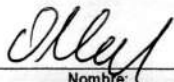
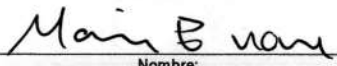
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|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |        |                                                                                                                      |       | ACTA MODIFICATORIA No. 1 |            |      |               |
|                                                                                                                                                                                                     | OBJETO DEL CONTRATO                             |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |        |                                                                                                                      |       |                          |            |      |               |
|                                                                                                                                                                                                     | CONTRATISTA                                     | CONSORCIO PEDAGOGIA CESARENSE   |                                                                                                                              | NIT    | 901925618-1                                                                                                          |       | CONTRATO No.             | 2025040002 |      |               |
|                                                                                                                                                                                                     | INTERVENTOR                                     | CONSORCIO INTERAVANCE EDUCATIVO |                                                                                                                              | NIT    | 901925042-8                                                                                                          |       | CONTRATO No.             | 2025050004 |      |               |
|                                                                                                                                                                                                     | CAPÍTULO                                        | 20.0                            | ITEM                                                                                                                         | 20.1.7 | CONSTRUCCIÓN DE VIGA DE CIMENTACIÓN EN CONCRETO DE 3000 PSI, DE 0.30X0.30M, PARA CERRAMIENTO Y MALLA CONTRA IMPACTOS |       |                          | UNID.      | M3   |               |
|                                                                                                                   |                                                 |                                 |                                                                                                                              |        | <b>VIGA DE CIMENTACIÓN</b>                                                                                           |       |                          |            |      |               |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | DESCRIPCION                                                                                                          | ANCHO | LARGO                    | H          | CANT | M3            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | CIMENTACIÓN PARA MALLA CONTRA IMPACTOS EN CANCHA MULTIPLE                                                            |       |                          |            |      |               |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | PILOTINES                                                                                                            | 0.55  | 0.55                     | 1.20       | 18   | 6.53          |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | VIGA DE CIMENTACION                                                                                                  | 0.40  | 20.00                    | 0.50       | 2    | 8.00          |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | CIMENTACIÓN PARA CERRAMIENTO                                                                                         |       |                          |            |      |               |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | ZARPA                                                                                                                | 1.00  | 460.77                   | 0.20       | 1    | 92.15         |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | <b>TOTAL</b>                                                                                                         |       |                          |            |      | <b>106.69</b> |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |        | <b>CANTIDAD TOTAL</b>                                                                                                |       |                          |            |      | <b>106.69</b> |

  
 Nombre:  
 RESIDENTE DE OBRA  
 DUBER DURAN  
 CONSORCIO PEDAGOGIA CESARENSE

  
 Nombre:  
 DIRECTOR DE OBRA  
 OMAR MOUKARZEL  
 CONSORCIO PEDAGOGIA CESARENSE

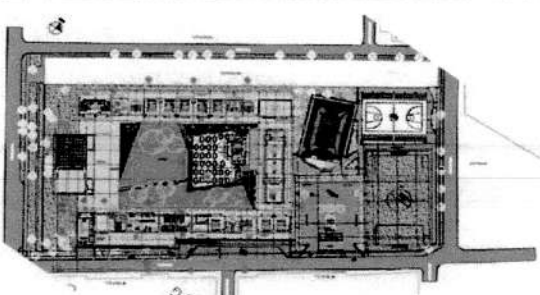
  
 Nombre:  
 RESIDENTE DE INTERVENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

  
 Nombre:  
 DIRECTOR DE INTERVENTORIA  
 MARIA BERNARDA NOVA  
 CONSORCIO INTERAVANCE EDUCATIVO

|                                                                                                                                                                                                      |                                                 |                                                                                |             |                                                                                                                                                                                                                 |                                                                                                                        |                |                                            |                                        |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------|----------------------------------------|-----------|
|  <p> REPUBLICA DE<br/>COLOMBIA<br/><br/> DEPARTAMENTO DEL<br/>CESAR<br/><br/> SECRETARIA DE<br/>INFRAESTRUTURA </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                                                                |             |                                                                                                                                                                                                                 |                                                                                                                        |                | <b>ACTA MODIFICATORIA No. 1</b>            |                                        |           |
|                                                                                                                                                                                                      | <b>OBJETO DEL CONTRATO</b>                      |                                                                                |             | <b>CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR</b>                                                                             |                                                                                                                        |                |                                            |                                        |           |
|                                                                                                                                                                                                      | <b>CONTRATISTA</b><br><b>INTERVENTOR</b>        | <b>CONSORCIO PEDAGOGIA CESARENSE</b><br><b>CONSORCIO INTERAVANCE EDUCATIVO</b> |             | <b>NIT</b><br><b>NIT</b>                                                                                                                                                                                        | <b>901925618-1</b><br><b>901925042-8</b>                                                                               |                | <b>CONTRATO No.</b><br><b>CONTRATO No.</b> | <b>2025040002</b><br><b>2025050004</b> |           |
|                                                                                                                                                                                                      | <b>CAPITULO</b>                                 | <b>20.0</b>                                                                    | <b>ITEM</b> | <b>20.1.11</b>                                                                                                                                                                                                  | <b>CONSTRUCCIÓN DE PAVIMENTO EN CONCRETO MR 42 MPA ESP. 0.18M. INCLUYE ACABADO FINAL, NO INCLUYE ACERO DE REFUERZO</b> |                |                                            | <b>UNID.</b>                           | <b>M2</b> |
|                                                                                                                    |                                                 |                                                                                |             | <b>PAVIMENTO EN CONCRETO</b>                                                                                                                                                                                    |                                                                                                                        |                |                                            |                                        |           |
|                                                                                                                                                                                                      |                                                 |                                                                                |             | <b>LOCALIZACION</b>                                                                                                                                                                                             | <b>AREA (M2)</b>                                                                                                       | <b>CANT</b>    | <b>TOTAL (M2)</b>                          |                                        |           |
|                                                                                                                                                                                                      |                                                 |                                                                                |             | <b>PARQUEADERO</b>                                                                                                                                                                                              | <b>1309.00</b>                                                                                                         | <b>1</b>       | <b>1309.00</b>                             |                                        |           |
|                                                                                                                                                                                                      |                                                 |                                                                                |             | <b>RAMPA PARA ACCESO A SUBESTACIÓN ELECTRICA</b>                                                                                                                                                                | <b>103.60</b>                                                                                                          | <b>1</b>       | <b>103.60</b>                              |                                        |           |
|                                                                                                                                                                                                      |                                                 |                                                                                |             | <b>TOTAL</b>                                                                                                                                                                                                    |                                                                                                                        |                | <b>1,412.60</b>                            |                                        |           |
|                                                                                                                                                                                                      |                                                 |                                                                                |             | <b>CANTIDAD TOTAL</b>                                                                                                                                                                                           |                                                                                                                        | <b>1412.60</b> |                                            |                                        |           |
| <br>Nombre:<br><b>RESIDENTE DE OBRA</b><br><b>DUBER DURAN</b><br><b>CONSORCIO PEDAGOGIA CESARENSE</b>              |                                                 |                                                                                |             | <br>Nombre:<br><b>RESIDENTE DE INTERVENTORIA</b><br><b>GUSTAVO BARROS BAQUERO</b><br><b>CONSORCIO INTERAVANCE EDUCATIVO</b> |                                                                                                                        |                |                                            |                                        |           |
| <br>Nombre:<br><b>DIRECTOR DE OBRA</b><br><b>OMAR MOUKARZEL</b><br><b>CONSORCIO PEDAGOGIA CESARENSE</b>           |                                                 |                                                                                |             | <br>Nombre:<br><b>DIRECTOR DE INTERVENTORIA</b><br><b>MARIA BERNARDA NOVA</b><br><b>CONSORCIO INTERAVANCE EDUCATIVO</b>    |                                                                                                                        |                |                                            |                                        |           |

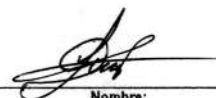
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|  <p>REPUBLICA DE COLOMBIA</p> <p>DEPARTAMENTO DEL CESAR</p> <p>SECRETARIA DE INFRAESTRUTURA</p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |             | ACTA MODIFICATORIA No. 1 |            |
|                                                                                                                                                                                  | OBJETO DEL CONTRATO                             |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                          |            |
|                                                                                                                                                                                  | CONTRATISTA                                     | CONSORCIO PEDAGOGIA CESARENSE   | NIT                                                                                                                          | 901925618-1 | CONTRATO No.             | 2025040002 |
|                                                                                                                                                                                  | INTERVENTOR                                     | CONSORCIO INTERAVANCE EDUCATIVO | NIT                                                                                                                          | 901925042-8 | CONTRATO No.             | 2025050004 |
|                                                                                                                                                                                  | CAPITULO                                        | 20.0                            | ITEM                                                                                                                         | 20.1.13     | CORTE Y SELLO DE JUNTAS  |            |

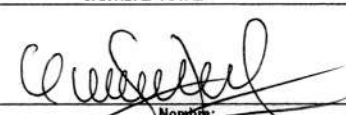


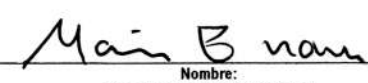
| CORTE Y SELLO DE JUNTAS |                 |                |        |      |                |
|-------------------------|-----------------|----------------|--------|------|----------------|
| DESCRIPCION             | CORTE VERT (ML) | CORTE HOR (ML) | ML     | CANT | TOTAL (ML)     |
| CANCHA MULTIPLE         | 416.78          | 160            | 576.78 | 1    | 576.78         |
| PAVIMENTO               | 313.25          | 299.7          | 612.95 | 1    | 612.95         |
| ANDENES                 | 0               | 858.48         | 858.48 | 1    | 858.48         |
| <b>TOTAL</b>            |                 |                |        |      | <b>2048.21</b> |

|                       |                |
|-----------------------|----------------|
| <b>CANTIDAD TOTAL</b> | <b>2048.21</b> |
|-----------------------|----------------|

  
 Nombre:  
 RESIDENTE DE OBRA  
 DUBER DURAN  
 CONSORCIO PEDAGOGIA CESARENSE

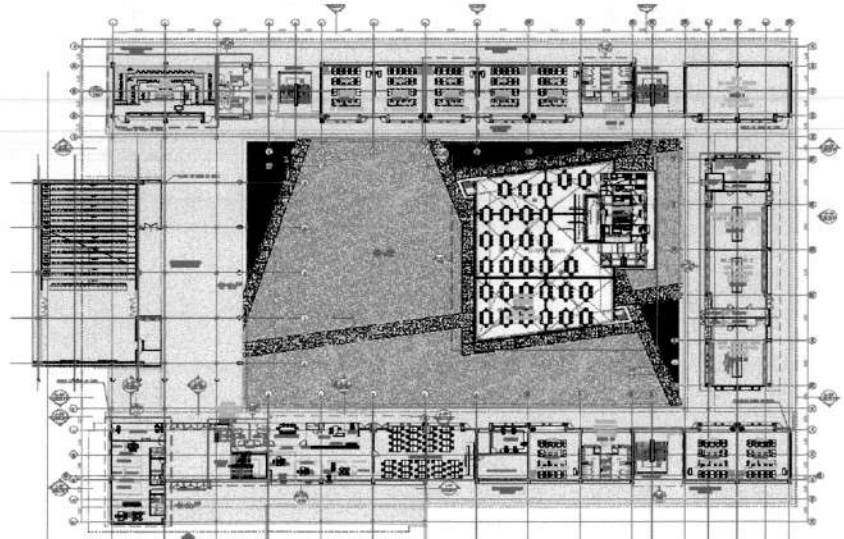
  
 Nombre:  
 DIRECTOR DE OBRA  
 OMAR MOUKARZEL  
 CONSORCIO PEDAGOGIA CESARENSE

  
 Nombre:  
 RESIDENTE DE INTERVENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

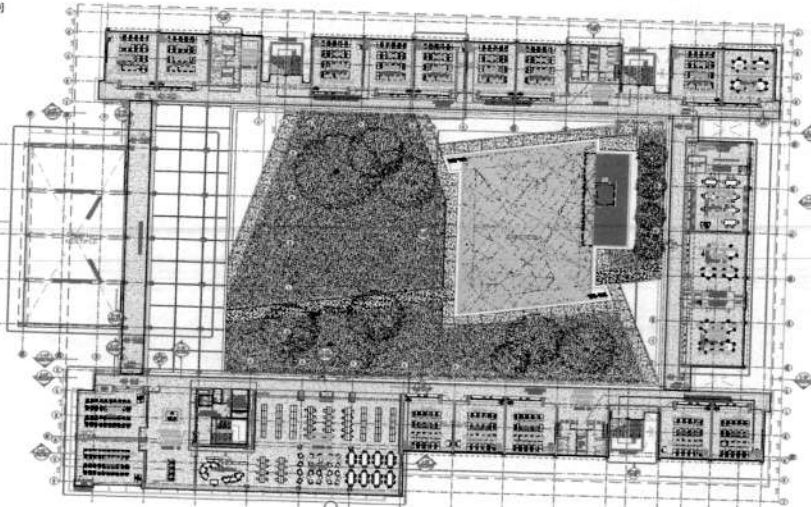
  
 Nombre:  
 DIRECTOR DE INTERVENTORIA  
 MARIA BERNARDA NOVA  
 CONSORCIO INTERAVANCE EDUCATIVO

3070

|                                                                                                                                                                                          |                                          |                                 |                                                                                                                              |        |                                                                                                                                     |  |                          |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|------------|
|  <div>REPUBLICA DE COLOMBIA<br/><br/>DEPARTAMENTO DEL CESAR<br/><br/>SECRETARIA DE INFRAESTRUTURA</div> | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |                                 |                                                                                                                              |        |                                                                                                                                     |  | ACTA MODIFICATORIA No. 1 |            |
|                                                                                                                                                                                          | OBJETO DEL CONTRATO                      |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |        |                                                                                                                                     |  |                          |            |
|                                                                                                                                                                                          | CONTRATISTA                              | CONSORCIO PEDAGOGIA CESARENSE   |                                                                                                                              | NIT    | 901925618-1                                                                                                                         |  | CONTRATO No.             | 2025040002 |
|                                                                                                                                                                                          | INTERVENIOR                              | CONSORCIO INTERAVANCE EDUCATIVO |                                                                                                                              | NIT    | 901925042-8                                                                                                                         |  | CONTRATO No.             | 2025050004 |
|                                                                                                                                                                                          | CAPÍTULO                                 | 20.3                            | ITEM                                                                                                                         | 20,3,3 | PINTURA TIPO ESMALTE ANTICORROSIVA, INCLUYE IMPRIMANTE TIPO WASH PRIMER, PINTURA ANTICORROSIVA Y PINTURA ESMALTE PARA ACABADO FINAL |  | UNID.                    | M2         |

|                                                                                     |  |  |  |
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|                                                                               |        |      |            |
|-------------------------------------------------------------------------------|--------|------|------------|
| BLOQUE 3                                                                      |        |      |            |
| DESCRIPCION                                                                   | AREA   | CANT | TOTAL (M2) |
| AULAS DE CLASE PISO 1 Y 2                                                     | 72.87  | 16   | 1165.92    |
| BATERIA SANITARIA TIPO 2                                                      | 36.87  | 2    | 73.74      |
| BATERIA SANITARIA TIPO 1                                                      | 26.67  | 2    | 53.34      |
| PASILLO PISO 1 Y 2                                                            | 280.9  | 2    | 561.80     |
| DESCANSO ESCALERA                                                             |        | 1    |            |
| TOTAL                                                                         |        |      | 1854.80    |
| BLOQUE 2                                                                      |        |      |            |
| DESCRIPCION                                                                   | AREA   | CANT | TOTAL (M2) |
| AULA TECNICA SENA DE AGROINDUSTRIA                                            | 103.29 | 1    | 103.29     |
| AULA TECNICA DE CARNICOS, AULA TECNICA DE LACTEOS, FRUTAS Y HORTALIZAS        | 106.64 | 2    | 213.28     |
| DATA CENTER Y CUARTO DE RACK                                                  | 42.18  | 2    | 84.36      |
| AULA TECNICA SENA CONTABLE, AULA DE SISTEMA CONTABLE, LABORATORIO DE BIOLOGIA | 103.29 | 3    | 309.87     |
| DISPONIBLE Y AIRE ACONDICIONADO                                               | 7.72   | 2    | 15.44      |
| PASILLO PISO 1 Y 2                                                            | 114.86 | 2    | 229.72     |
| TOTAL                                                                         |        |      | 955.96     |
| BLOQUE 1                                                                      |        |      |            |
| DESCRIPCION                                                                   | AREA   | CANT | TOTAL (M2) |
| AULAS DE CLASE PISO 1 Y 2                                                     | 72.87  | 8    | 582.96     |
| BATERIA SANITARIA TIPO 2                                                      | 36.87  | 2    | 73.74      |
| SALA DE PROFESORES                                                            | 148.60 | 1    | 148.60     |
| RECTORIA Y COORDINACIÓN                                                       | 159.80 | 1    | 159.80     |

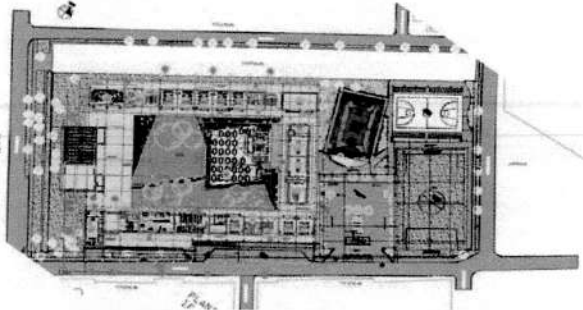
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|-------------------|
|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                 |                                                                                                                              |            | ACTA MODIFICATORIA No. 1                                                                                                                   |                     |                           |                   |
|                                                                                                                                                                                                     | <b>OBJETO DEL CONTRATO</b>                      |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |            |                                                                                                                                            |                     |                           |                   |
|                                                                                                                                                                                                     | <b>CONTRATISTA INTERVENOR</b>                   | CONSORCIO PEDAGOGIA CESARENSE   |                                                                                                                              | <b>NIT</b> | 901925618-1                                                                                                                                | <b>CONTRATO No.</b> | 2025040002                |                   |
|                                                                                                                                                                                                     |                                                 | CONSORCIO INTERAVANCE EDUCATIVO |                                                                                                                              | <b>NIT</b> | 901925042-8                                                                                                                                | <b>CONTRATO No.</b> | 2025050004                |                   |
|                                                                                                                                                                                                     | <b>CAPITULO</b>                                 | 20.3                            | <b>ITEM</b>                                                                                                                  | 20.3.3     | <b>PINTURA TIPO ESMALTE ANTICORROSIVA, INCLUYE IMPRIMANTE TIPO WASH PRIMER, PINTURA ANTICORROSIVA Y PINTURA ESMALTE PARA ACABADO FINAL</b> |                     | <b>UNID.</b><br><b>M2</b> |                   |
|                                                                                                                   |                                                 |                                 |                                                                                                                              |            | BATERIA SANITARIA ADMINISTRATIVA                                                                                                           | 28.00               | 1                         | 28.00             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | ORIENTACION ESCOLAR, ARCHIVO, FOTOCOPIA, PORTERIA                                                                                          | 142.36              | 1                         | 142.36            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | RECEPCION Y CONSULTA                                                                                                                       | 144.95              | 1                         | 144.95            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | SALA DE INFORMATICA 1                                                                                                                      | 90.73               | 1                         | 90.73             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | SALA DE INFORMATICA 2                                                                                                                      | 89.15               | 1                         | 89.15             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | PUNTO FIJO ACCESO A CIRE Y CUARTO TECNICO AA PISO 2                                                                                        | 34.26               | 1                         | 34.26             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | BATERIA SANITARIA Y CUARTO DE ASEO PISO 2                                                                                                  | 10.14               | 1                         | 10.14             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | PASILLO PRIMER PISO                                                                                                                        | 490.11              | 1                         | 490.11            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | PASILLO SEGUNDO PISO                                                                                                                       | 297.59              | 1                         | 297.59            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | <b>TOTAL</b>                                                                                                                               |                     |                           | <b>2292.39</b>    |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | <b>BLOQUE 4</b>                                                                                                                            |                     |                           |                   |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | <b>DESCRIPCION</b>                                                                                                                         | <b>AREA</b>         | <b>CANT</b>               | <b>TOTAL (M2)</b> |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | CUARTO TECNICO PRIMER PISO                                                                                                                 | 31.84               | 1                         | 31.84             |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | PASILLO SEGUNDO PISO                                                                                                                       | 185.04              | 1                         | 185.04            |
|                                                                                                                                                                                                     |                                                 |                                 |                                                                                                                              |            | <b>TOTAL</b>                                                                                                                               |                     |                           | <b>216.88</b>     |
| <b>SUBESTACIÓN</b>                                                                                                                                                                                  |                                                 |                                 |                                                                                                                              |            |                                                                                                                                            |                     |                           |                   |
| <b>DESCRIPCION</b>                                                                                                                                                                                  | <b>AREA</b>                                     | <b>CANT</b>                     | <b>TOTAL (M2)</b>                                                                                                            |            |                                                                                                                                            |                     |                           |                   |
| SUBESTACIÓN                                                                                                                                                                                         | 82.36                                           | 1                               | 82.36                                                                                                                        |            |                                                                                                                                            |                     |                           |                   |
| <b>TOTAL</b>                                                                                                                                                                                        |                                                 |                                 | <b>82.36</b>                                                                                                                 |            |                                                                                                                                            |                     |                           |                   |
| <b>CANTIDAD TOTAL</b>                                                                                                                                                                               |                                                 |                                 |                                                                                                                              |            |                                                                                                                                            |                     |                           |                   |
| <b>5402.39</b>                                                                                                                                                                                      |                                                 |                                 |                                                                                                                              |            |                                                                                                                                            |                     |                           |                   |

Nombre:  
 RESIDENTE DE OBRA  
 DUBER DURAN  
 CONSORCIO PEDAGOGIA CESARENSE

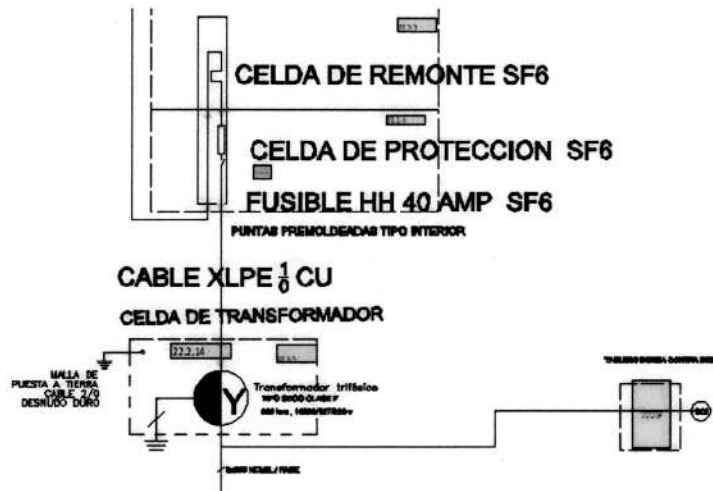
Nombre:  
 DIRECTOR DE OBRA  
 OMAR MOUKARZEL  
 CONSORCIO PEDAGOGIA CESARENSE

Nombre:  
 RESIDENTE DE INTERVENTORIA  
 GUSTAVO BARROS BAQUERO  
 CONSORCIO INTERAVANCE EDUCATIVO

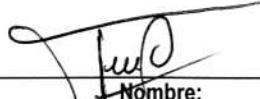
Nombre:  
 DIRECTOR DE INTERVENTORIA  
 MARIA BERNARDA NOVA  
 CONSORCIO INTERAVANCE EDUCATIVO

|                                                                                                                                                                                                     |                                                 |                                                                                |             |                                                                                                                                               |                                                                                             |             |                                            |           |                                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|--------------------------------------------|-----------|----------------------------------------|--|
|  <p> <b>REPUBLICA DE COLOMBIA</b><br/> <b>DEPARTAMENTO DEL CESAR</b><br/> <b>SECRETARIA DE INFRAESTRUTURA</b> </p> | <b>MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA</b> |                                                                                |             |                                                                                                                                               |                                                                                             |             | <b>ACTA MODIFICATORIA No. 1</b>            |           |                                        |  |
|                                                                                                                                                                                                     | <b>OBJETO DEL CONTRATO</b>                      |                                                                                |             | <b>CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR</b>           |                                                                                             |             |                                            |           |                                        |  |
|                                                                                                                                                                                                     | <b>CONTRATISTA</b><br><b>INTERVENTOR</b>        | <b>CONSORCIO PEDAGOGIA CESARENSE</b><br><b>CONSORCIO INTERAVANCE EDUCATIVO</b> |             | <b>NIT</b><br><b>NIT</b>                                                                                                                      | <b>901925618-1</b><br><b>901925042-8</b>                                                    |             | <b>CONTRATO No.</b><br><b>CONTRATO No.</b> |           | <b>2025040002</b><br><b>2025050004</b> |  |
|                                                                                                                                                                                                     | <b>CAPITULO</b>                                 | <b>20.0</b>                                                                    | <b>ITEM</b> | <b>20.4.2</b>                                                                                                                                 | <b>SUMINISTRO Y SIEMBRA DE GRAMA NATURAL, INCLUYE ABONO Y MANTENIMIENTO DURANTE 45 DIAS</b> |             | <b>UNID.</b>                               | <b>M2</b> |                                        |  |
|                                                                                                                   |                                                 |                                                                                |             | <b>GRAMA NATURAL</b>                                                                                                                          |                                                                                             |             |                                            |           |                                        |  |
|                                                                                                                                                                                                     |                                                 |                                                                                |             | <b>LOCALIZACION</b>                                                                                                                           | <b>AREA (M2)</b>                                                                            | <b>CANT</b> | <b>TOTAL (M2)</b>                          |           |                                        |  |
|                                                                                                                                                                                                     |                                                 |                                                                                |             | <b>GRAMA INTERNA (DENTRO DEL CERRAMIENTO)</b>                                                                                                 | <b>4441.90</b>                                                                              | <b>1</b>    | <b>4441.90</b>                             |           |                                        |  |
|                                                                                                                                                                                                     |                                                 |                                                                                |             | <b>GRAMA EXTERNA (FUERA DEL CERRAMIENTO CON LIMITE BORDILLO DE VIA)</b>                                                                       | <b>967.00</b>                                                                               | <b>1</b>    | <b>967.00</b>                              |           |                                        |  |
|                                                                                                                                                                                                     |                                                 |                                                                                |             | <b>TOTAL</b>                                                                                                                                  |                                                                                             |             | <b>5,408.90</b>                            |           |                                        |  |
|                                                                                                                                                                                                     |                                                 |                                                                                |             | <b>CANTIDAD TOTAL</b>                                                                                                                         |                                                                                             |             | <b>5408.90</b>                             |           |                                        |  |
| <p> <b>Nombre:</b><br/> <b>RESIDENTE DE OBRA</b><br/> <b>DUBER DURAN</b><br/> <b>CONSORCIO PEDAGOGIA CESARENSE</b> </p>                                                                             |                                                 |                                                                                |             | <p> <b>Nombre:</b><br/> <b>RESIDENTE DE INTERVENTORIA</b><br/> <b>GUSTAVO BARROS BAQUERO</b><br/> <b>CONSORCIO INTERAVANCE EDUCATIVO</b> </p> |                                                                                             |             |                                            |           |                                        |  |
| <p> <b>Nombre:</b><br/> <b>DIRECTOR DE OBRA</b><br/> <b>OMAR MOUKARZEL</b><br/> <b>CONSORCIO PEDAGOGIA CESARENSE</b> </p>                                                                           |                                                 |                                                                                |             | <p> <b>Nombre:</b><br/> <b>DIRECTOR DE INTERVENTORIA</b><br/> <b>MARIA BERNARDA NOVA</b><br/> <b>CONSORCIO INTERAVANCE EDUCATIVO</b> </p>     |                                                                                             |             |                                            |           |                                        |  |

|                                                                                                                                                                                             |                                          |                                 |      |                                                                                                                              |             |                                                                              |                         |            |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------|-------------------------|------------|----|
|  <div>REPUBLICA DE COLOMBIA</div> <div>DEPARTAMENTO DEL CESAR</div> <div>SECRETARIA DE INFRAESTRUTURA</div> | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |                                 |      |                                                                                                                              |             |                                                                              | ACTA MODIFICATORIA N° 1 |            |    |
|                                                                                                                                                                                             | OBJETO DEL CONTRATO                      |                                 |      | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                                                                              |                         |            |    |
|                                                                                                                                                                                             | CONTRATISTA                              | CONSORCIO PEDAGOGIA CESARENSE   |      | NIT                                                                                                                          | 901925618-1 |                                                                              | CONTRATO No.            | 2025040002 |    |
|                                                                                                                                                                                             | INTERVENTOR                              | CONSORCIO INTERAVANCE EDUCATIVO |      | NIT                                                                                                                          | 901925042-8 |                                                                              | CONTRATO No.            | 2025050004 |    |
|                                                                                                                                                                                             | CAPÍTULO                                 | 22                              | ITEM | 22.1.6                                                                                                                       |             | SUMINISTRO E INSTALACIÓN DE CABLE CU XLPE 1/0 AWG AISLAMIENTO 133% PC PVC SR |                         | UNID.      | ML |

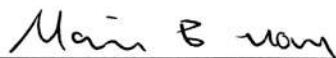


| CABLE CU XLPE 1/0 AWG                                           |                                                                            |       |
|-----------------------------------------------------------------|----------------------------------------------------------------------------|-------|
| LOCALIZACIÓN                                                    |                                                                            | ML    |
|                                                                 | REF                                                                        |       |
| INTERCONEXIÓN CELDA DE MEDIA TENSIÓN SF6 Y TRANSFORMADOR        | PLANO DE REFERENCIA<br>PLANO ELECTRICO 01 RED MEDIA TENSION Y BAJA TENSION | 30,00 |
| INTERCONEXIÓN ENTRE CELDA DE REMONTE Y CELDA DE SECCIONADOR SF6 |                                                                            | 10,00 |
|                                                                 |                                                                            | TOTAL |
| CANTIDAD TOTAL                                                  |                                                                            | 40,00 |

  
Nombre:  
INGENIERO ELECTRICO DE OBRA  
JUAN CARLOS SIERRA  
CONSORCIO PEDAGOGIA CESARENSE

  
Nombre:  
DIRECTOR DE OBRA  
OMAR MOUKARZEL  
CONSORCIO PEDAGOGIA CESARENSE

  
Nombre:  
INGENIERO ELECTRICO DE INTERVENTORIA  
ALVARO ALVAREZ  
CONSORCIO INTERAVANCE EDUCATIVO

  
Nombre:  
DIRECTOR DE INTERVENTORIA  
MARIA BERNARDA NOVA  
CONSORCIO INTERAVANCE EDUCATIVO

3649



REPUBLICA DE  
COLOMBIA  
  
DEPARTAMENTO  
DEL CESAR  
  
SECRETARIA DE  
INFRAESTRUTURA

## MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA

ACTA MODIFICATORIA N° 1

OBJETO DEL CONTRATO CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR,  
DEPARTAMENTO DEL CESAR

|             |                                 |     |             |              |            |
|-------------|---------------------------------|-----|-------------|--------------|------------|
| CONTRATISTA | CONSORCIO PEDAGOGIA CESARENSE   | NIT | 901925618-1 | CONTRATO No. | 2025040002 |
| INTERVENTOR | CONSORCIO INTERAVANCE EDUCATIVO | NIT | 901925042-8 | CONTRATO No. | 2025050004 |

| CAPÍTULO | 22 | ITEM | 22.1.8 | SUMINISTRO E INSTALACION DE TERMINALES<br>PREMOLDEADOS TIPO INTERIOR PARA CABLE XLPE MT de<br>15 Kv | UNID. | UN |
|----------|----|------|--------|-----------------------------------------------------------------------------------------------------|-------|----|
|----------|----|------|--------|-----------------------------------------------------------------------------------------------------|-------|----|



### TERMINALES PREMOLDEADOS

| LOCALIZACIÓN                                                                         | REF                                                                           | UN   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------|
| TERMINAL PREMOLDEADA<br>PARA CONEXIÓN EN LA<br>ENTRADA DE LA CELDA DE<br>REMONTE SF6 | PLANO DE REFERENCIA<br>PLANO ELECTRICO 01 RED MEDIA<br>TENSION Y BAJA TENSION | 1,00 |
| TERMINAL PREMOLDEADA<br>PARA SALIDA DE LA CELDA DE<br>REMONTE SF6                    |                                                                               | 1,00 |
| TERMINAL PREMOLDEADA<br>PARA ENTRADA A LA CELDA DE<br>PROTECCIÓN SF6                 |                                                                               | 1,00 |
| TERMINAL PREMOLDEADA<br>PARA SALIDA DE LA CELDA DE<br>PROTECCIÓN SF6                 |                                                                               | 1,00 |
| TERMINAL PREMOLDEADA<br>PARA LLEGADA DE<br>TRANSFORMADOR                             |                                                                               | 1,00 |
| TOTAL                                                                                |                                                                               | 5,00 |
| CANTIDAD TOTAL                                                                       |                                                                               | 5    |

Nombre:  
INGENIERO ELECTRICO DE OBRA  
JUAN CARLOS SIERRA  
CONSORCIO PEDAGOGIA CESARENSE

Nombre:  
DIRECTOR DE OBRA  
OMAR MOUKARZEL  
CONSORCIO PEDAGOGIA CESARENSE

Nombre:  
INGENIERO ELECTRICO DE INTERVENTORIA  
ALVARO ALVAREZ  
CONSORCIO INTERAVANCE EDUCATIVO

Nombre:  
DIRECTOR DE INTERVENTORIA  
MARIA BERNARDA NOVA  
CONSORCIO INTERAVANCE EDUCATIVO

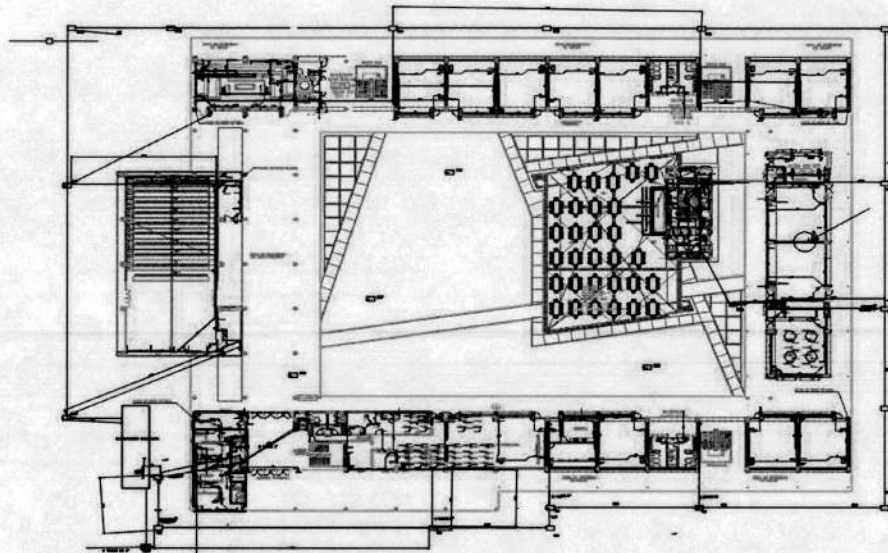


REPUBLICA DE  
COLOMBIA  
  
DEPARTAMENTO  
DEL CESAR  
  
SECRETARIA DE  
INFRAESTRUTURA

## MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA

ACTA MODIFICATORIA N° 1

| OBJETO DEL CONTRATO |                                 | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |             |                                                                                                                                              |            |          |
|---------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| CONTRATISTA         | CONSORCIO PEDAGOGIA CESARENSE   | NIT                                                                                                                          | 901925618-1 | CONTRATO No.                                                                                                                                 | 2025040002 |          |
| INTERVENTOR         | CONSORCIO INTERAVANCE EDUCATIVO | NIT                                                                                                                          | 901925042-8 | CONTRATO No.                                                                                                                                 | 2025050004 |          |
| CAPÍTULO            | 22                              | ITEM                                                                                                                         | 22.1.14     | SUMINISTRO E INSTALACION CAJA DE PASO SB 325 (NORMA AFINIA) - INCLUYE INSTALACION, MATERIALES, EXCAVACIÓN, RETIRO DE ESCOMBROS, MARCO Y TAPA |            | UNID. UN |



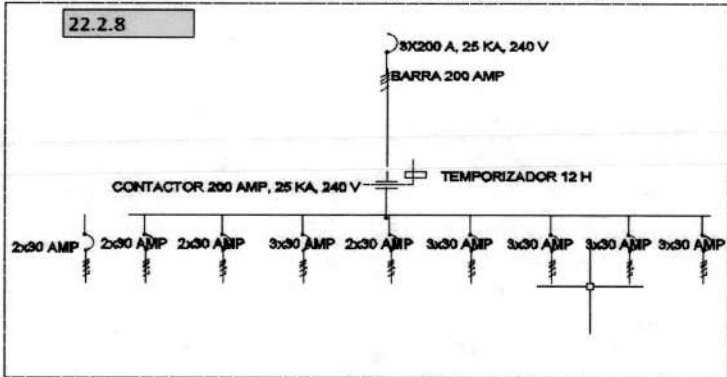
| CAJA DE PASO SB 325                                                                                   |                                                                               |       |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------|
| LOCALIZACIÓN                                                                                          |                                                                               | UN    |
|                                                                                                       | REF                                                                           |       |
| ACOMETIDAS DE BAJA TENSIÓN<br>DESDE SUBESTACIÓN ELÉCTRICA<br>HASTA TABLEROS DE DISTRIBUCIÓN           | PLANO DE REFERENCIA<br>PLANO ELECTRICO 01 RED MEDIA TENSION Y BAJA<br>TENSION | 18,00 |
| ACOMETIDAS DE BAJA TENSIÓN<br>DESDE TABLERO DE DISTRIBUCIÓN<br>HASTA CAFETERIA Y URBANISMO<br>INTERNO |                                                                               | 5,00  |
| ACOMETIDAS DE BAJA TENSIÓN PARA<br>AREAS DE CANCHAS Y URBANISMO<br>EXTERNO                            |                                                                               | 5,00  |
| TOTAL                                                                                                 |                                                                               | 28,00 |
| CANTIDAD TOTAL                                                                                        |                                                                               | 28,00 |

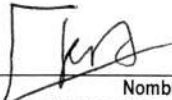
Nombre:  
INGENIERO ELECTRICO DE OBRA  
JUAN CARLOS SIERRA  
CONSORCIO PEDAGOGIA CESARENSE

Nombre:  
DIRECTOR DE OBRA  
OMAR MOUKARZEL  
CONSORCIO PEDAGOGIA CESARENSE

Nombre:  
INGENIERO ELECTRICO DE INTERVENTORIA  
ALVARO ALVAREZ  
CONSORCIO INTERAVANCE EDUCATIVO

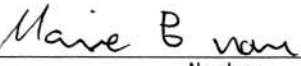
Nombre:  
DIRECTOR DE INTERVENTORIA  
MARIA BERNARDA NOVA  
CONSORCIO INTERAVANCE EDUCATIVO

|  REPUBLICA DE COLOMBIA<br>DEPARTAMENTO DEL CESAR<br>SECRETARIA DE INFRAESTRUTURA |  | MEMORIA DE CÁLCULO DE CANTIDADES DE OBRA |  |                                                                                                                              |  |                                                        |  | ACTA MODIFICATORIA N° 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |            |  |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|------|--|
|                                                                                                                                                                  |  | OBJETO DEL CONTRATO                      |  | CONSTRUCCION DE LA INSTITUCION EDUCATIVA TECNICO JOSE EUGENIO MARTINEZ EN EL MUNICIPIO DE VALLEDUPAR, DEPARTAMENTO DEL CESAR |  |                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |            |  |      |  |
| CONTRATISTA                                                                                                                                                      |  | CONSORCIO PEDAGOGIA CESARENSE            |  | NIT                                                                                                                          |  | 901925618-1                                            |  | CONTRATO No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 2025040002 |  |      |  |
| INTERVENTOR                                                                                                                                                      |  | CONSORCIO INTERAVANCE EDUCATIVO          |  | NIT                                                                                                                          |  | 901925042-8                                            |  | CONTRATO No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 2025050004 |  |      |  |
| CAPÍTULO                                                                                                                                                         |  | 22                                       |  | ITEM                                                                                                                         |  | 22.2.8                                                 |  | GABINETE DE DISTRIBUCIÓN PARA BAJA TENSIÓN IP54. CONTROL ALUMBRADO ACCIONADO POR TEMPORIZADOR, MATERIAL: LAMINA COLD ROLLED, CALIBRE: 18, COLOR: RAL-7035, ACABADOS: LAMINA TRATADA Y APLICACIÓN DE PINTURA ELECTROSTATICA, ALTO(MM):900, ANCHO(MM): 700, FONDO(MM): 300, TOTALIZADORES E INTERRUPTORES (SEGUN COORDINACIÓN DE PROTECCIONES), BARRAJES DE POTENCIA, BARRAJE GENERAL EN PLATINA DE COBRE PARA 200A, DERIVACION DE CARGA EN PLATINA DE COBRE, CABLEADO INTERNO DE EQUIPOS, BARRAJE NEUTRO Y TIERRA CON TORNILLERIA INOXIDABLE, FRENTE MUERTO METALICO, KIT AISLADORES PORTABARRA |  |            |  |      |  |
|                                                                                                                                                                  |  |                                          |  |                                                                                                                              |  |                                                        |  | UNID.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | UN         |  |      |  |
| <b>TABLERO TEMPORIZADOR LUCES POR BLOQUE</b><br>                                |  |                                          |  |                                                                                                                              |  | GABINETE DE DISTRIBUCIÓN PARA CONTROL DE ALUMBRADO     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |            |  |      |  |
|                                                                                                                                                                  |  |                                          |  |                                                                                                                              |  | LOCALIZACIÓN                                           |  | REF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |            |  | UN   |  |
|                                                                                                                                                                  |  |                                          |  |                                                                                                                              |  | PARA CONTROL DE ILUMINACIÓN DE PASILLOS EN CADA BLOQUE |  | PLANO DE REFERENCIA<br>PLANO ELECTRICO E-004 DIAGRAMA UNIFILAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |            |  | 4,00 |  |
|                                                                                                                                                                  |  |                                          |  |                                                                                                                              |  |                                                        |  | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |            |  | 4,00 |  |
|                                                                                                                                                                  |  |                                          |  |                                                                                                                              |  | CANTIDAD TOTAL                                         |  | 4,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |            |  |      |  |

  
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