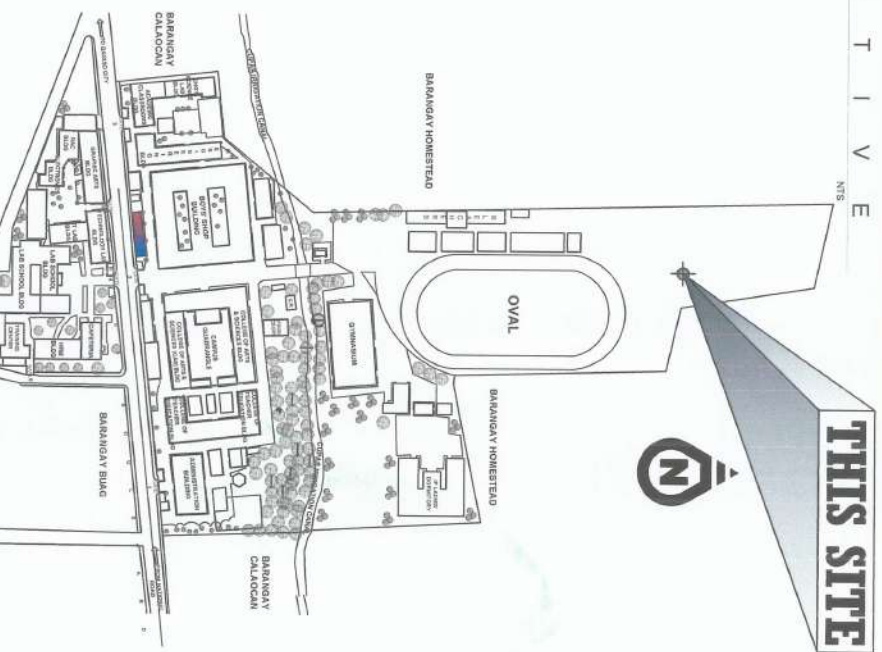




P E R S P E C T I V E  
SCALE



S I T E D E V E L O P M E N T P L A N  
SCALE

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REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS &  
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TRANSPORTATION & COMMUNICATION

OFFICE OF THE BUILDING  
OFFICIAL

BAMBANG, NUEVA VIZCAYA

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

ELECTRICAL

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CONSTRUCTION, PERIMETER  
FENCE OF NHA IP DOOR  
NUEVA VIZCAYA STATE UNIVERSITY  
BAMBANG CAMPUS

DENNIS RIB C. VALDEZ  
ARCHITECT

JOSEPH N. RUBIO  
ARCHITECT

OFELIA S. RUBIO  
CHIEF  
JYRUS J. CALIENTE  
Director, PPSGS

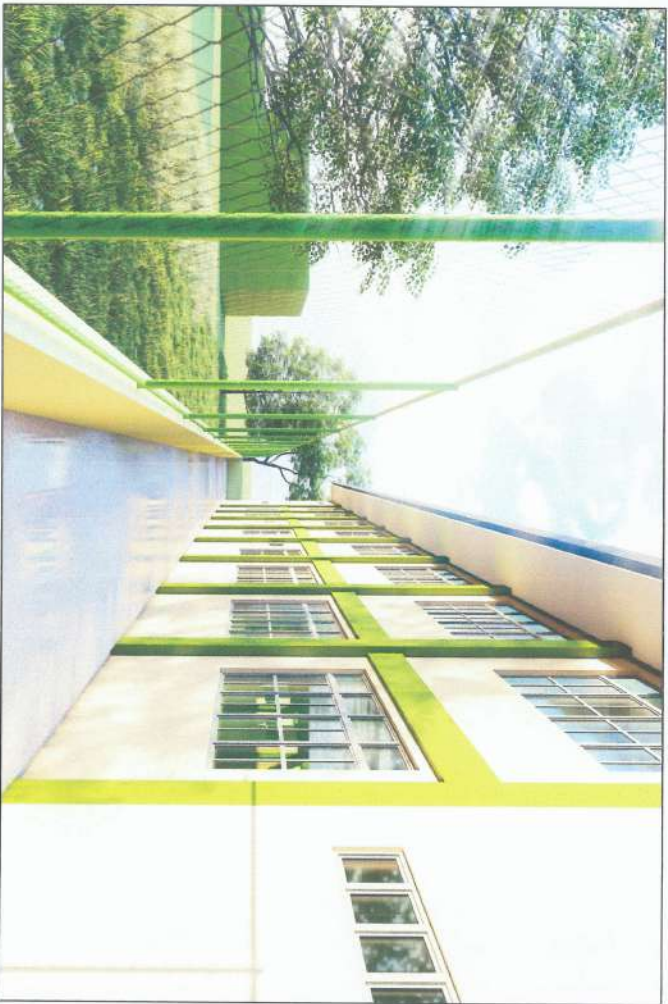
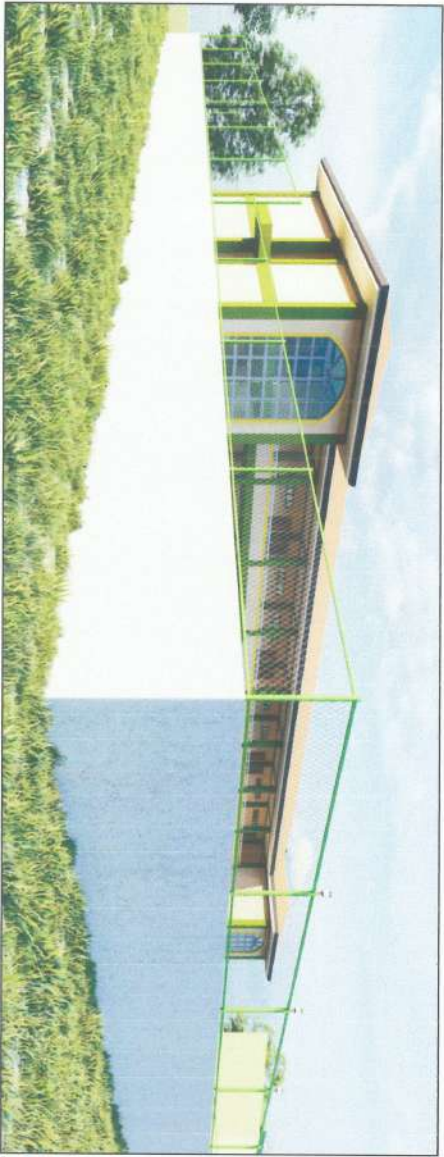
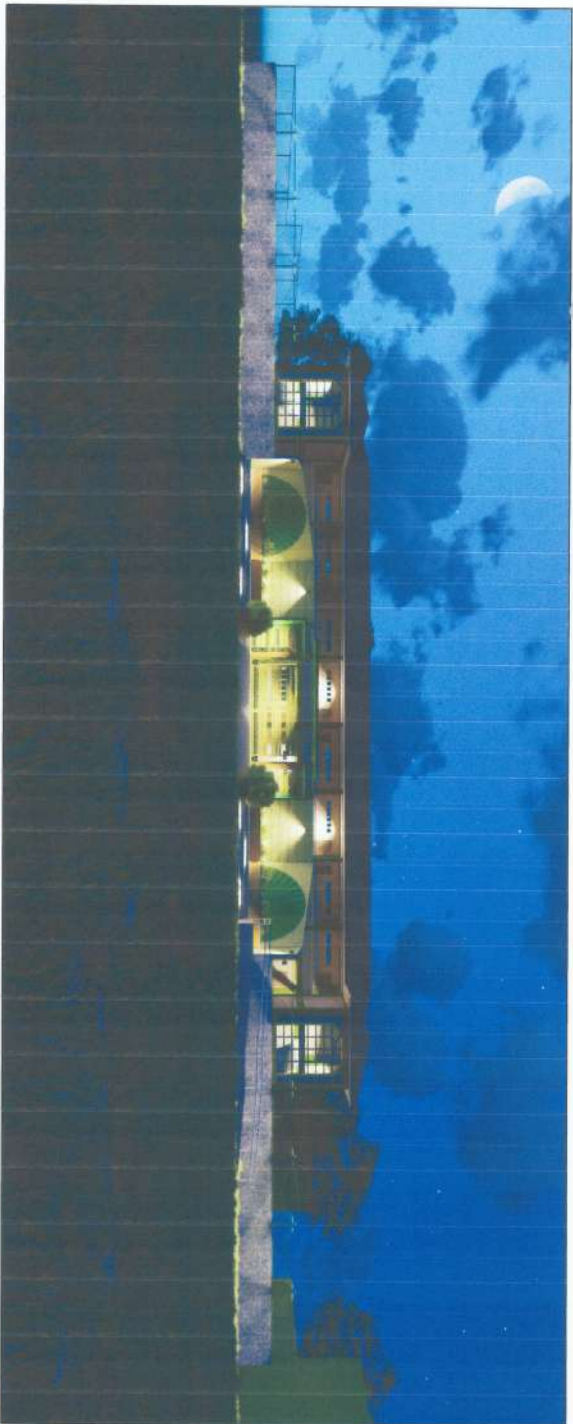
BERNARD L. PEREZ  
Principal Administrator

CARLO F. VADIL  
Vice President

WILFREDO A. DUMALAC, JR.  
University President







# P E R S P E C T I V E S

SCALE:

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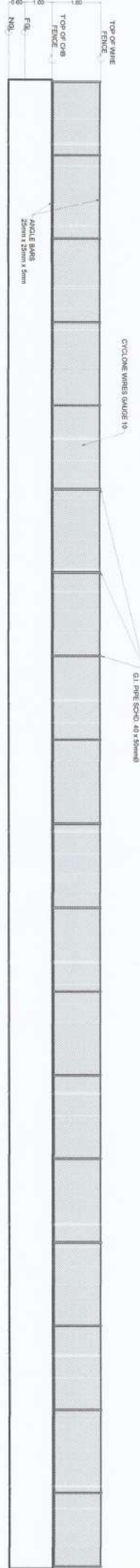
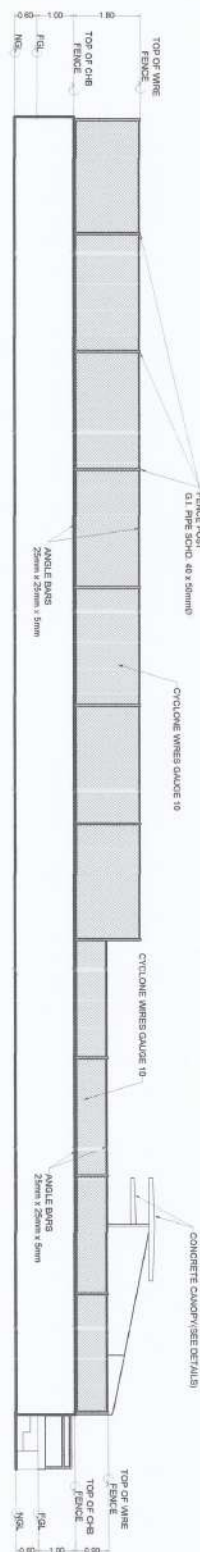
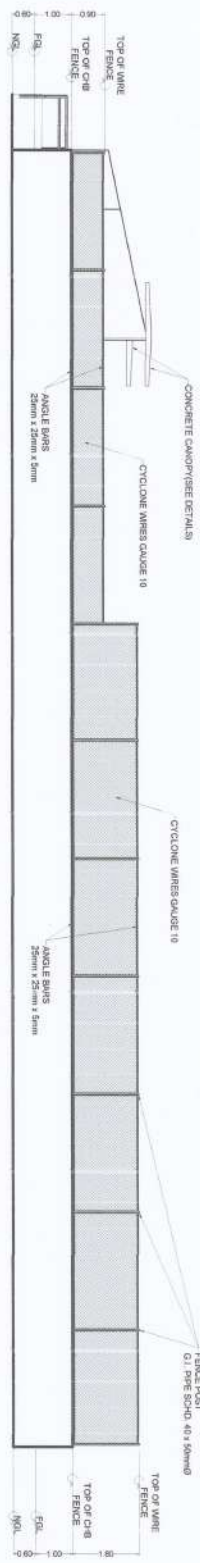
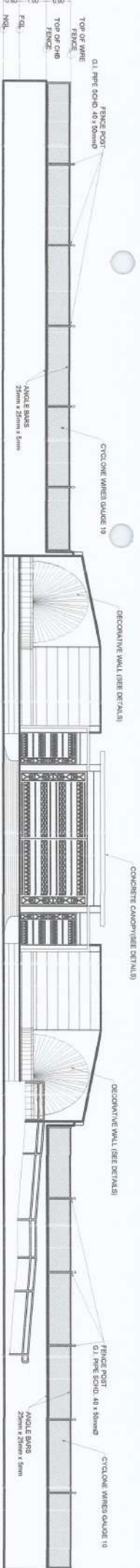
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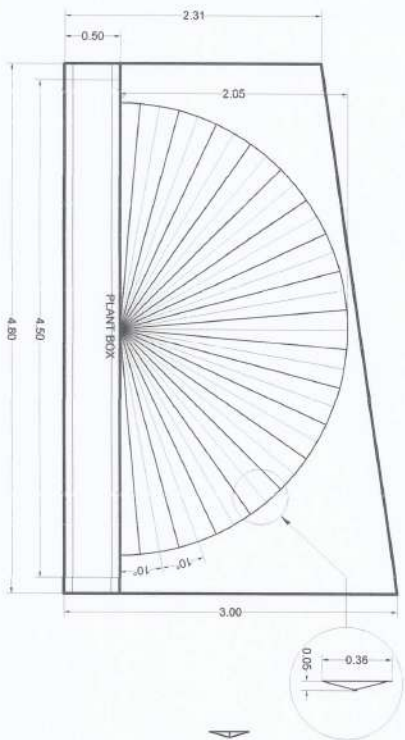
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| <b>SIGNED AND SEALED BY:</b>                                                              |  | <b>PROJECT AND LOCATION:</b>                                                                                                                                                                                          |  | <b>PREPARED BY:</b>                                                                                                                      |  | <b>SUBMITTED BY:</b>                                                                                                                       |  | <b>CONCURRED BY:</b>                                                                                                                   |  | <b>RECOMMENDING APPROVAL:</b>                                                                                                                  |  | <b>APPROVED BY:</b>                                                                                                                                |  | <b>SHEET NO:</b>                                                                                                                                                                |  |                                                                                                                                                           |  |                                                                                               |  |
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SHEET NO:

1100m

1.100m

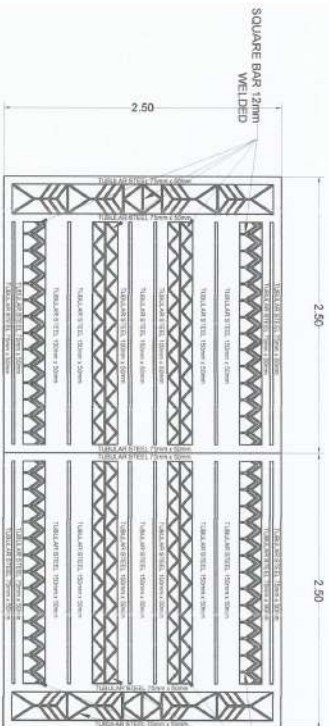




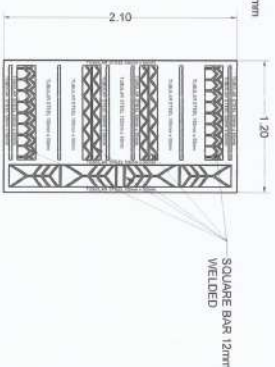
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1:50



DECORATIVE WALL PERSPECTIVE

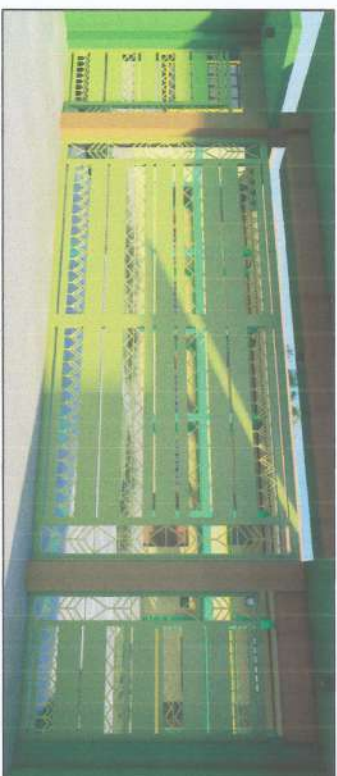


VEHICULAR GATE  
QUANTITY: 1



PEDESTRIAN GATE  
QUANTITY: 2

FENCE STEEL GATES DETAILS  
1:50



GATE PERSPECTIVE

|                                                                             |                                                                                                              |                                   |                                  |                              |                                          |                                         |                                                                      |                                                 |         |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|---------|
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**PROJECT AND LOCATION:**

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RECOMMENDING APPROVAL:

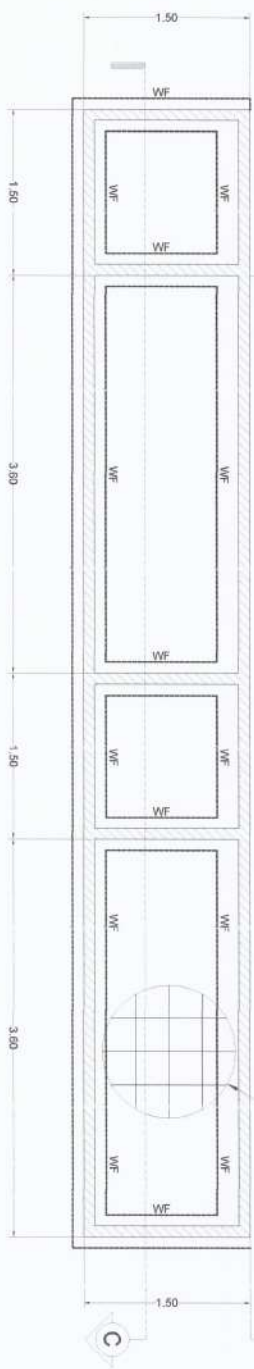
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# STRUCTURAL LAYOUT

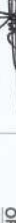
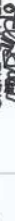
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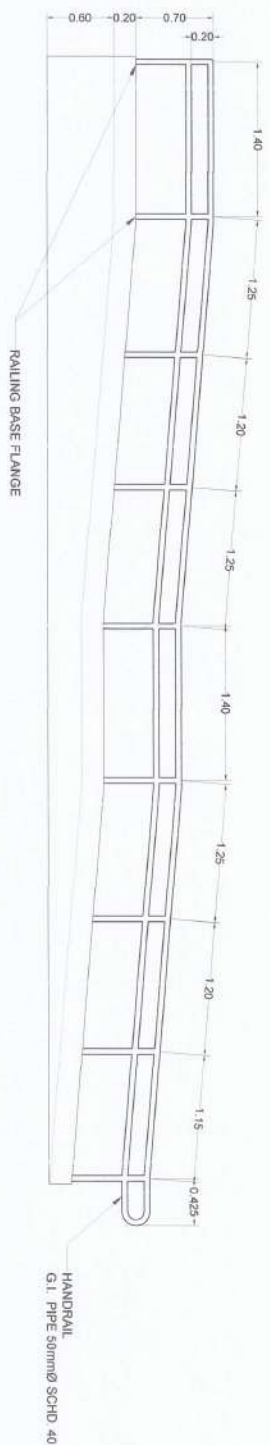
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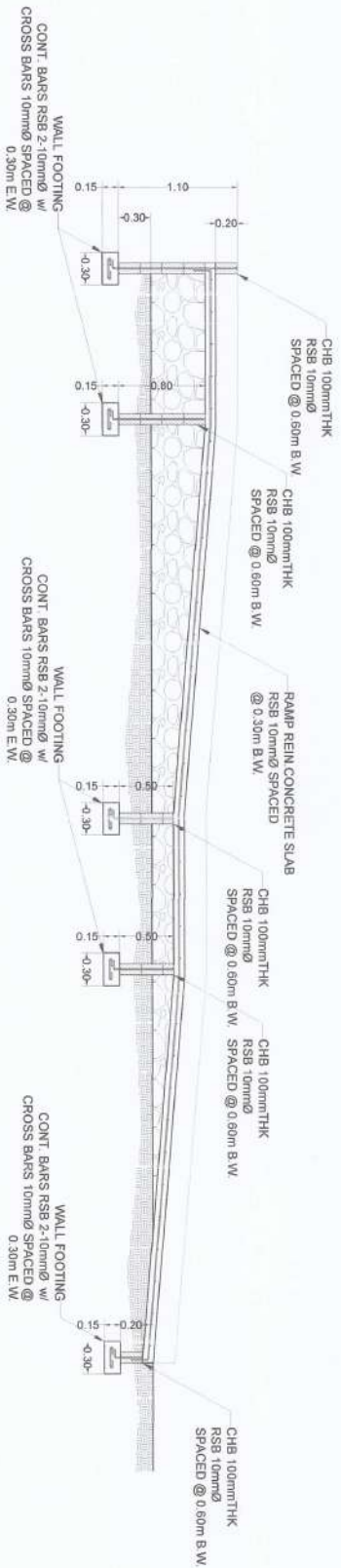
PAMP REIN. CONCRETE SLAB  
RSB 10mmØ SPACED @ 0.30m B.W

PLAN

|                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                |                        |              |           |
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## ELEVATION

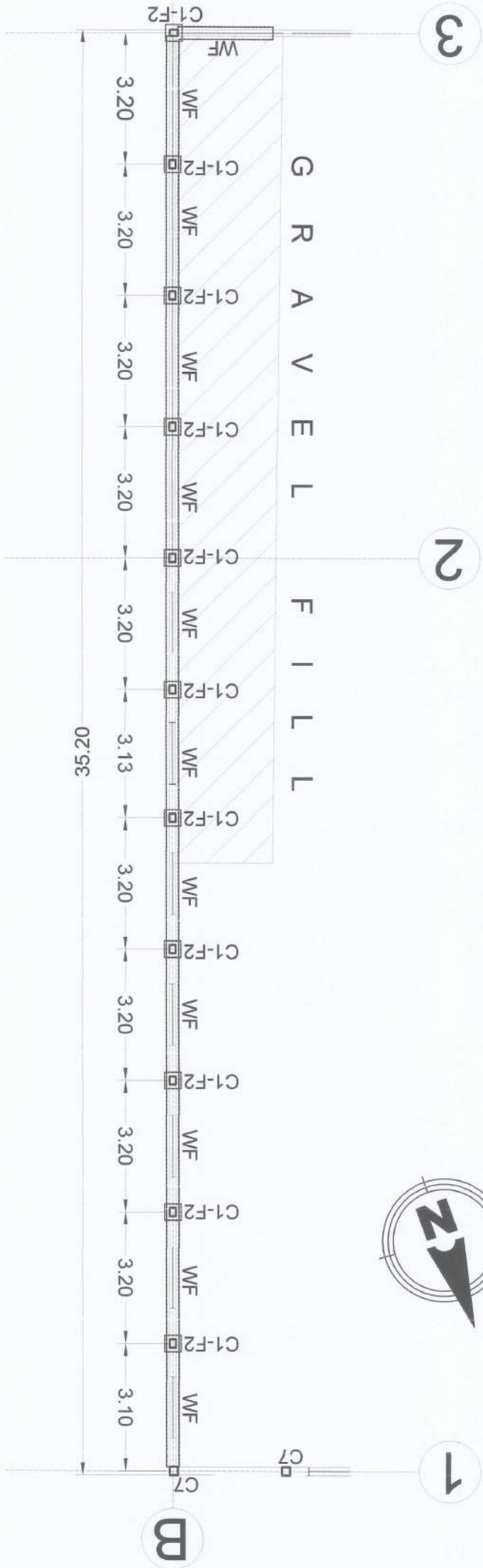


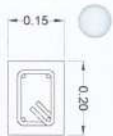
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RAMPLAND DETAILS  
ELEVATION  
SCALE: 1/50m

1.50m

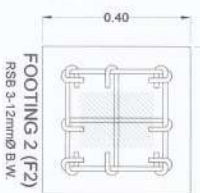






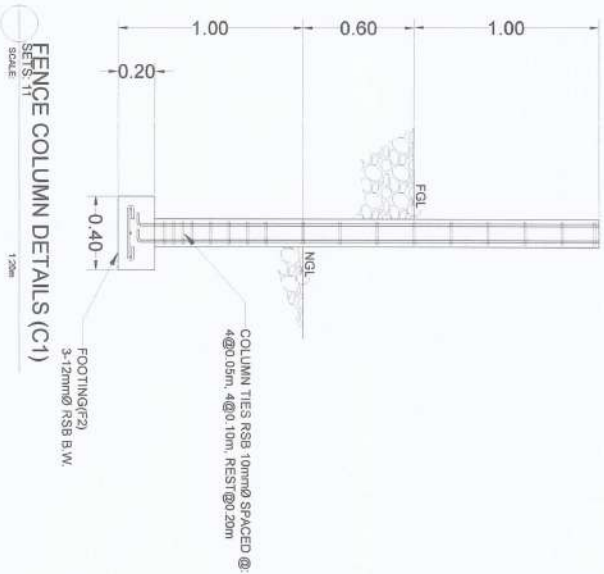
### WALL COLUMN (C-1)

RSB 4-12mm $\varnothing$  W/  
TIES RSB 10mm $\varnothing$  SPACED @  
4@0.05m, 4@0.10m, REST @ 0.20m



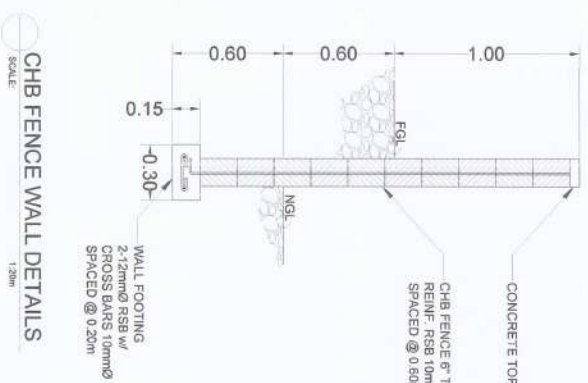
### FOOTING 2 (F-2)

RSB 3-12mm $\varnothing$  B.W.



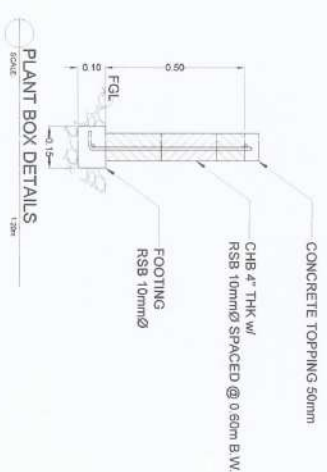
### FENCE COLUMN DETAILS (C-1)

SCALE 1:20m



### CHB FENCE WALL DETAILS

SCALE 1:20m



### PLANT BOX DETAILS

SCALE 1:20m

|                       |                                                                                                                                                                                                                                 |                                                                                                                                      |                                                                                                                                         |                                                                                                                                                |                                                                                                                                                                                       |                                                                                                                                                       |                                                                                                 |
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**CONSTRUCTION, PERIMETER  
FENCE OF NHA IP DORM**  
NUEVA VIZCAYA STATE UNIVERSITY,  
BAMBAŃG CAMPUS

PREPARED BY:   
DENNIS R. C. VALDEZ  
Architect

  
JOSEPH N. S. RUBIO  
Attest:

SUBMITTED BY:  
  
OFELIA S. RUBIO  
CINCEPAC  
JYRUS AYRES CADIENTE  
Director, Grants

CONCURRED BY:

  
GERALD L. PERITZ  
Campus Administrator

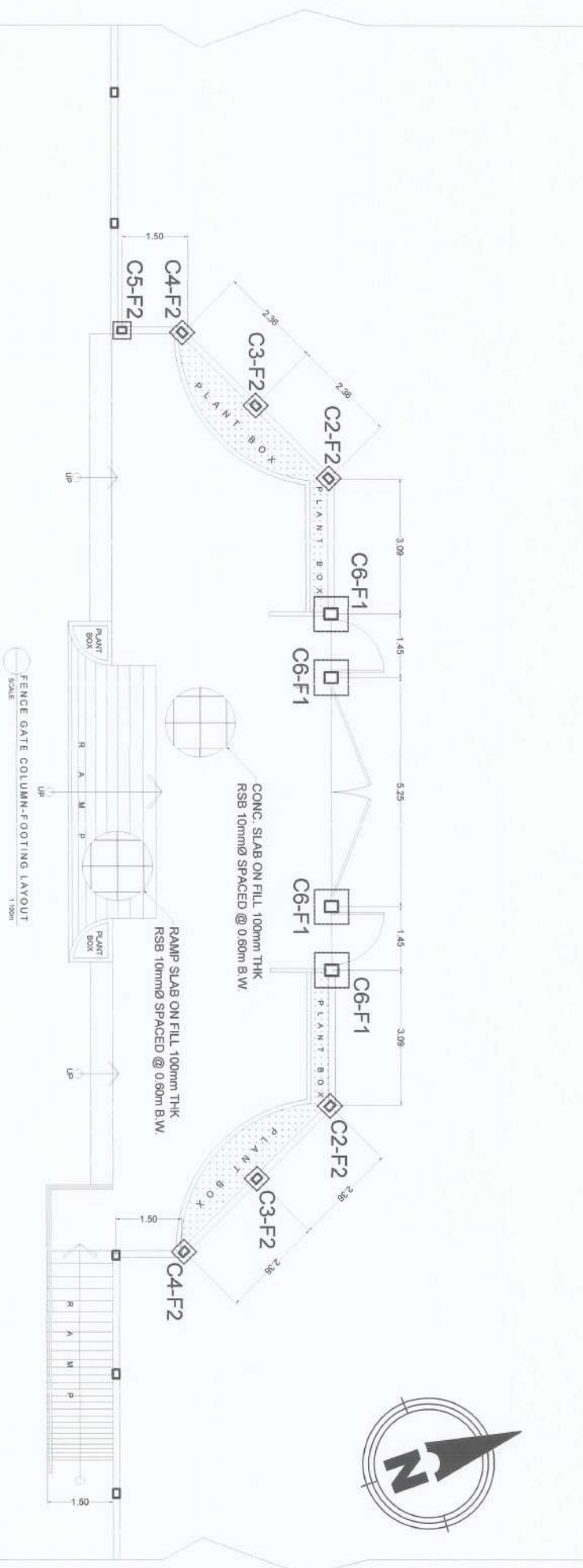
**RECOMMENDING APPROVAL**

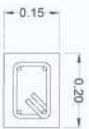
  
**CARLO F. VADIL**  
VP for Planning, Development and Information Systems

APPROVED BY:

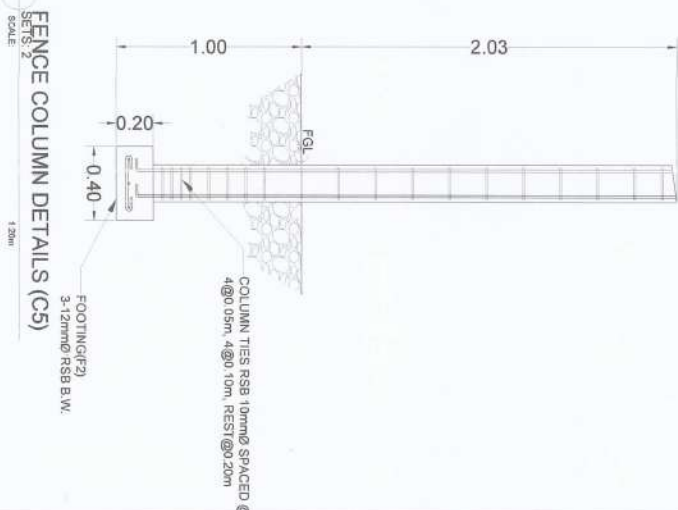
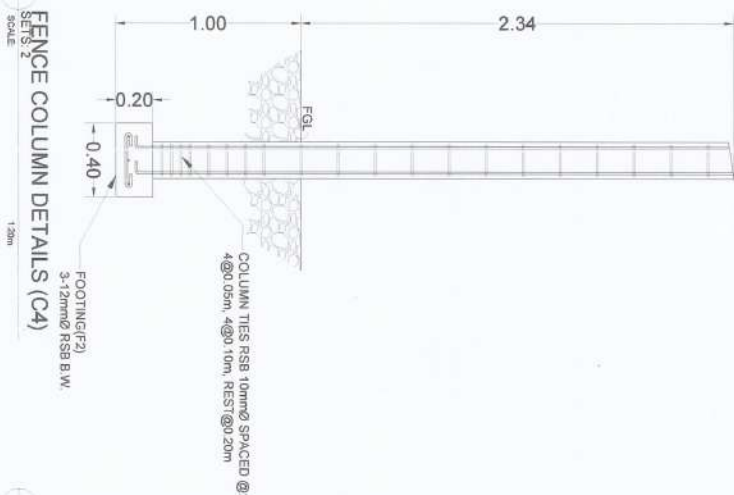
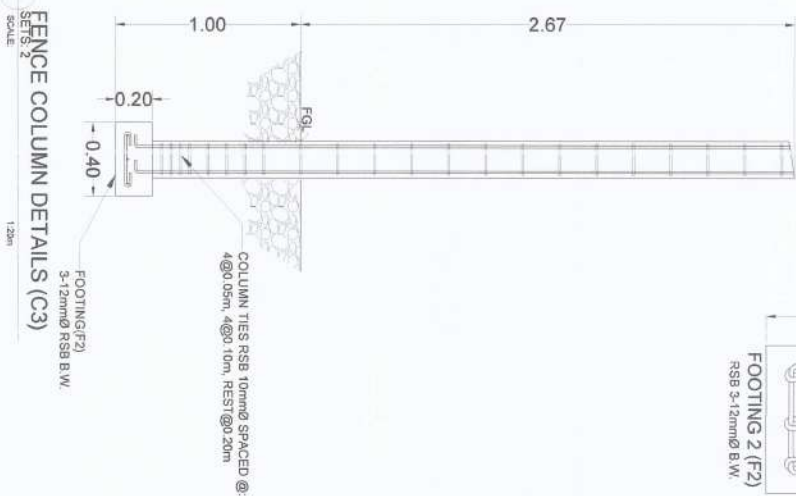
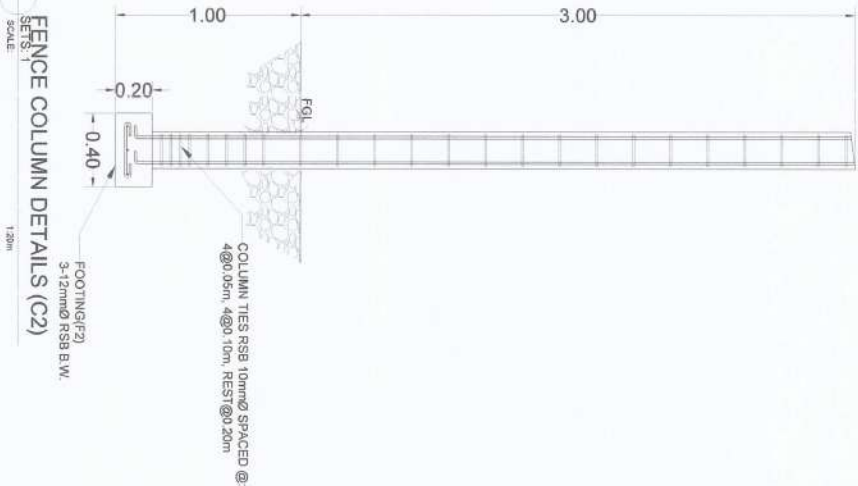
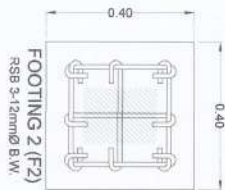


WILFREDO A. DUMALE, JR.  
University President





WALL COLUMN (C2-C5)  
RSB 4-12mmØ W  
TIES RSB 10mmØ SPACED @:  
4@0.05m, 4@0.10m, REST@0.20m



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CONSTRUCTION, PERIMETER  
FENCE OF NHA IP DORM  
NHA VIZAYA STATE UNIVERSITY  
BARBANG CAMPUS

JOSEPH M. RUBIO  
JOSEPH M. RUBIO

OFELIA S. RUBIO  
JYRUS M. CADENTE  
Director, PPSBS

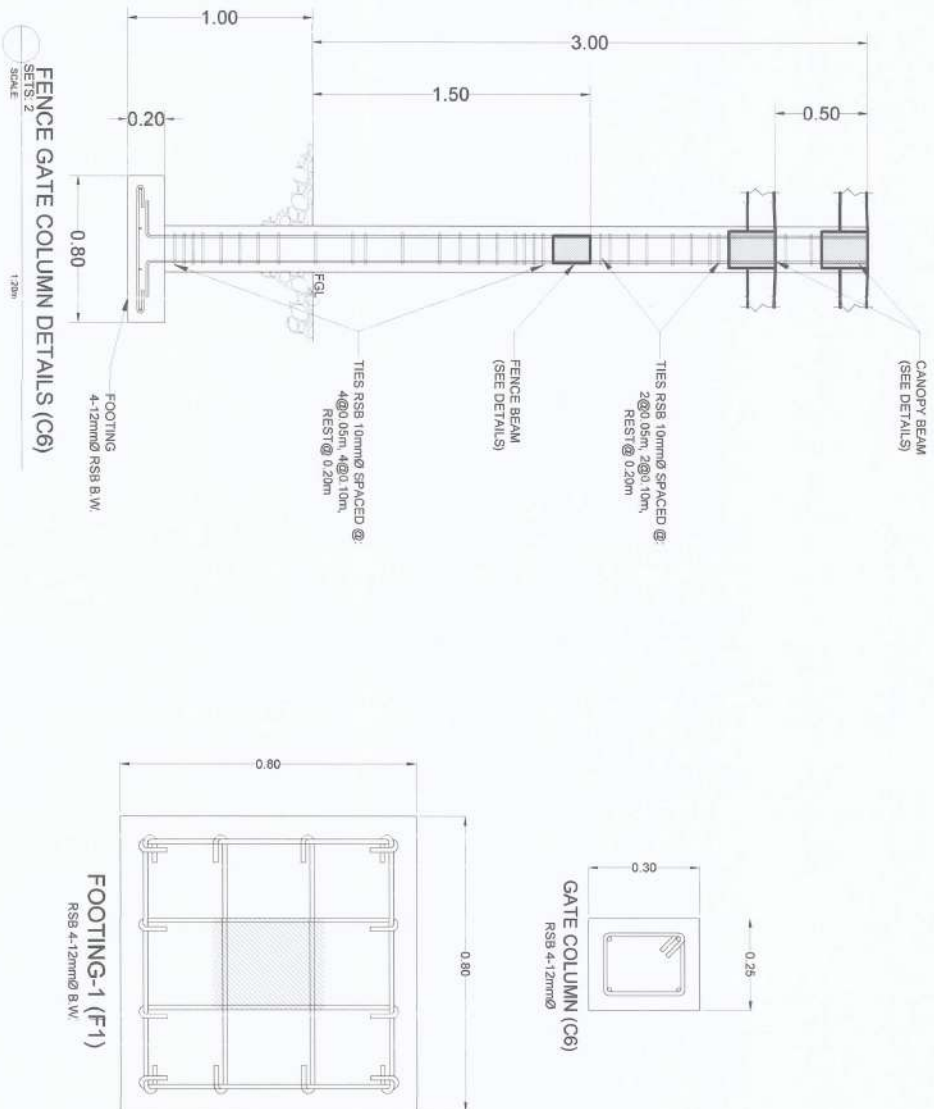
GERALD L. PEREZ  
Campus Administrator

CARLO F. VADIL  
VP for Planning, Development and Information System

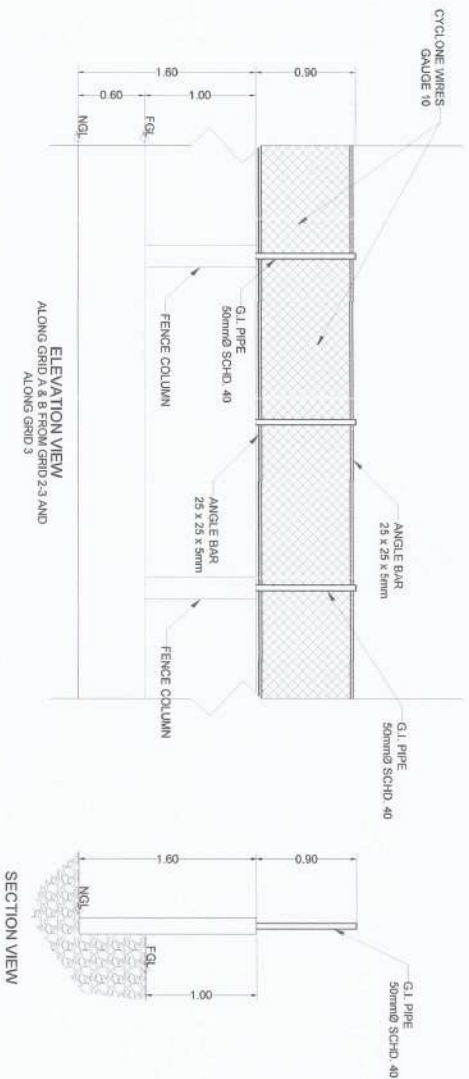
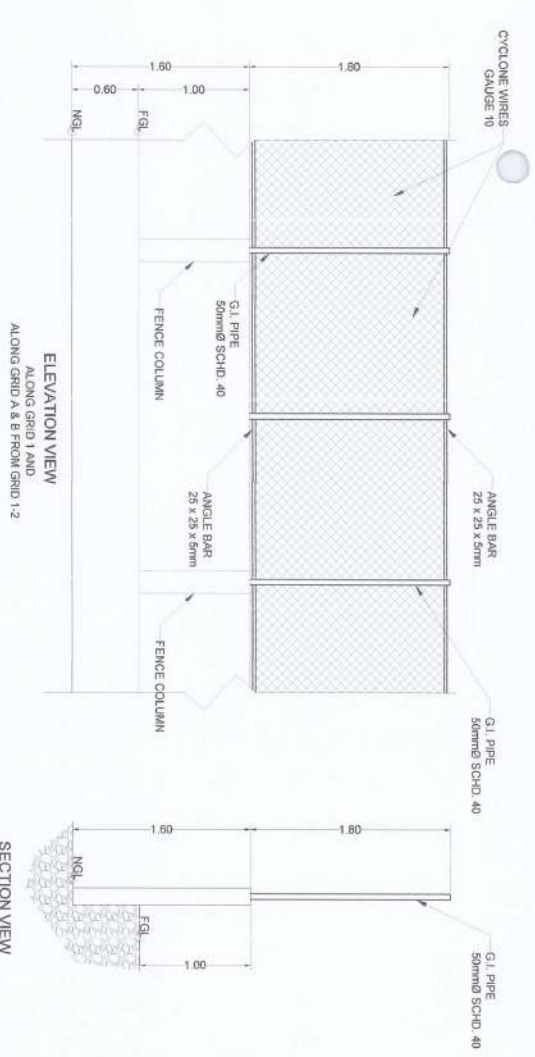
WILFREDO A. DUMALE, JR  
University President

54  
7

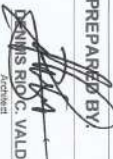




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**CYCLONE WIRES FRAMING DETAILS**  
SCALE 1:500

|                                                                                                                                                                                                                            |                       |                       |                                                                                                                                            |                                                                                                                                                 |                                                                                                                                                        |                                                                                                                                                                                      |                                                                                                                                                               |                                                                                                 |
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STIRRUPS RSB 10mmØ SPACED@  
4-50mm, 4-100mm, REST @ 150mm



|                                                                                     |                  |
|-------------------------------------------------------------------------------------|------------------|
|  | PULL BOX         |
|  | SPOT LIGHT       |
|  | STEP/STAIR LIGHT |
|  | WALL LAMP        |
|  | BOLLARD LIGHT    |
|  | RECESSED LIGHT   |



SHEET NO:

| SCHEDULE OF LOADS                                    |                 |         |        |          |         |           |            |      |               |                |                 |                |                             |                               |                    |   |          |     |
|------------------------------------------------------|-----------------|---------|--------|----------|---------|-----------|------------|------|---------------|----------------|-----------------|----------------|-----------------------------|-------------------------------|--------------------|---|----------|-----|
| CIRCUIT NUMBER                                       | DESCRIPTION     | VOLTAGE | RATING | QTY.     |         |           |            |      | AMPERE RATING | VOLTAGE-AMPERE | CIRCUIT BREAKER | CONDUCTOR      | CONDUIT                     | REMARKS                       |                    |   |          |     |
|                                                      |                 |         |        | Lighting |         |           |            |      |               |                |                 |                |                             |                               |                    |   |          |     |
|                                                      |                 |         |        | Recess   | Bollard | Wall Lamp | Step/Stair | Spot |               | A              |                 | RATING         | RATING (250% <sub>L</sub> ) | SIZE (mm <sup>2</sup> )       | SIZE (mm diameter) |   |          |     |
| 1                                                    | LIGHTING OUTLET |         | 230    | 2        | 3       | 5         | 5          | 5    | 2             |                | 1.96            | 450            | 15                          | 2-2.0mm <sup>2</sup> THHN Cu. | 20mm uPVC          |   |          |     |
| 2                                                    | LIGHTING OUTLET |         | 230    | 1        | 3       | 5         | 5          | 5    | 2             |                | 1.87            | 430            | 15                          | 2-2.0mm <sup>2</sup> THHN Cu. | 20mm uPVC          |   |          |     |
| NOTE: FOR additional to Load to Existing Panel Board |                 |         |        |          |         |           |            |      |               |                |                 |                |                             |                               |                    |   |          |     |
| TOTAL PANEL LOAD                                     |                 |         |        |          |         |           |            |      |               | =              | 880.00 VA       | PHASE          | =                           | 1 Ø                           | MAIN SERVICE WIRE  | = | Existing |     |
| TOTAL DEMAND LOAD                                    |                 |         |        |          |         |           |            |      |               | =              | 880.00 VA       | SYSTEM VOLTAGE | =                           | 230 V                         | CONDUIT SIZE       | = | Existing | PVC |
| TOTAL CURRENT                                        |                 |         |        |          |         |           |            |      |               | =              | 3.83 A          | MAIN CB        | =                           | Existing                      | AT                 |   |          |     |

| DERATING OF CONDUCTOR'S AMPACITY |                  |          |                                   |      |                |              |                  |                |                               |      |                         |                 |           |          |                               |
|----------------------------------|------------------|----------|-----------------------------------|------|----------------|--------------|------------------|----------------|-------------------------------|------|-------------------------|-----------------|-----------|----------|-------------------------------|
| CIRCUIT NUMBER                   | CABLE            |          | VOLTAGE                           | LOAD |                | FLA          | CONTINUOUS LOAD? |                | SELECTED CONDUCTOR            |      | NO. OF RUNS             | DERATING FACTOR |           | NEW AMP. | NEW AMP. > (1.25/EQUALS FLAP) |
|                                  | FROM             | TO       |                                   | VA   | HP             |              | YES/NO           | 1.25/EQUAL FLA | SIZE                          | AMP. |                         | TEMP. 40°       | GROUPINGS |          |                               |
| 1                                | P8               | FARTHEST | 230                               | 450  |                | 1.956522 YES |                  | 2.445652174    | 2-2.0mm <sup>2</sup> THHN Cu. | 25   | 1                       | 0.91            | 1         | 22.75    | YES                           |
| 2                                | P8               | FARTHEST | 230                               | 430  |                | 1.869565 YES |                  | 2.336956522    | 2-2.0mm <sup>2</sup> THHN Cu. | 25   | 1                       | 0.91            | 1         | 22.75    | YES                           |
| Note: Main CB is Rated 100AT     |                  |          |                                   |      |                |              |                  |                |                               |      |                         |                 |           |          |                               |
| VOLTAGE DROP CALCULATION         |                  |          |                                   |      |                |              |                  |                |                               |      |                         |                 |           |          |                               |
| CIRCUIT NUMBER                   | CONDUCTOR LENGTH |          | CABLE RESISTANCE (PER 305m @ 90°) |      | AMPERE PER RUN |              | VOLTAGE DROP     |                | %VD                           |      | REMARKS                 |                 |           |          |                               |
| 1                                | 72               |          | 0.010786885                       |      | 1.956521739    |              | 1.519543835      |                | 0.660671%                     |      | CABLE IS PROPERLY SIZED |                 |           |          |                               |
| 2                                | 74               |          | 0.010786885                       |      | 1.869565217    |              | 1.492342124      |                | 0.648844%                     |      | CABLE IS PROPERLY SIZED |                 |           |          |                               |

SCHEDULE OF LOADS AND ANALYSIS

|                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                                                                                                       |                                                                                                                                               |                                                                                                                                                  |                                                                                                                                                                               |                                                                                                                                                       |                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| SIGNED AND SEALED BY:                                                                                                                                                                                                                                                                                                                              | PROJECT AND LOCATION: | PREPARED BY:                                                                                                                                          | SUBMITTED BY:                                                                                                                                 | CONCURRED BY:                                                                                                                                    | RECOMMENDING APPROVAL:                                                                                                                                                        | APPROVED BY:                                                                                                                                          | SHEET NO:                                                                                     |
| <div>RC REG NO. _____<br/>TR NO. _____<br/>PLACE OF ISSUE _____<br/>DATE ISSUE _____<br/><div>VALID UNTIL:<br/>DATE _____</div></div> <div><div>CONSTRUCTION, PERIMETER<br/>FENCE OF NHA IP DORM<br/>NUEVA VISCAYA STATE UNIVERSITY<br/>BARBANG CAMPUS</div></div> |                       | <div><div>KYLE RENZO V. DELAPLAN<br/>Electrical Engineer</div></div> | <div><div>OFELIA S. RUBIO<br/>Director, Pre-Eng</div></div> | <div><div>GERALD L. PEREZ<br/>Campus Administrator</div></div> | <div><div>CARLO F. VADIL<br/>VP for Planning Development and Information System</div></div> | <div><div>WILFREDO A. DUMA, JR<br/>University President</div></div> | <div></div> |