



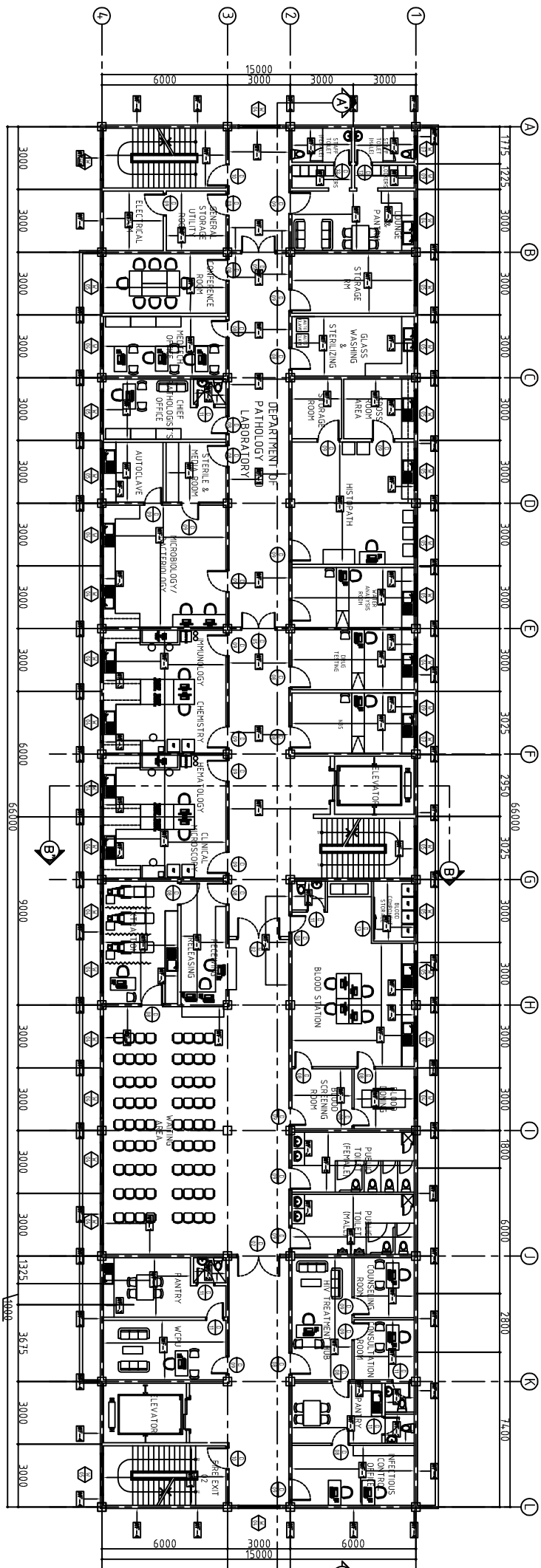
LUCKY STAR BLDG. 2, MC-CARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

DATE:	02/22/17	TIN No.: 240 913 651
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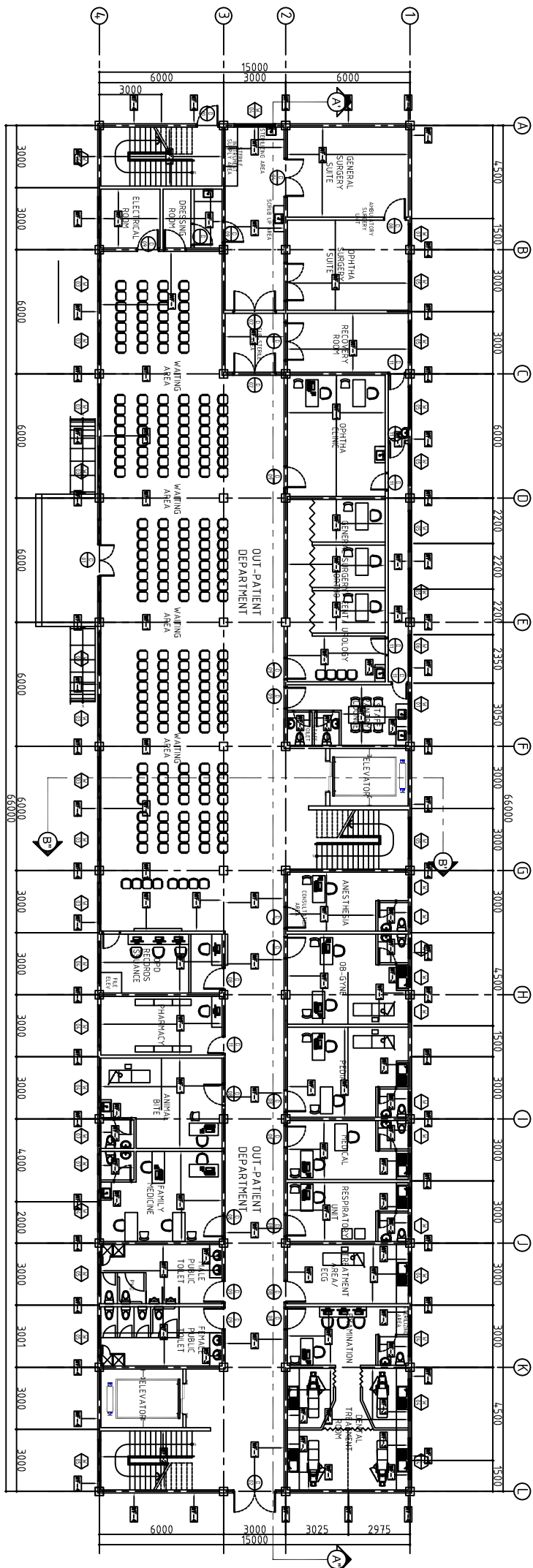
architect or author of said document s.

DATE: 01/18/17

TIN NO.: 435023585

[illegible]

GROUND FLOOR  
1  
A-08  
SCALE  
1:100m



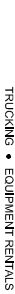
LEGEND: SCHEDULE OF FLOOR FINISHES	
FF-1	600 x 600 MM HOMOGENEOUS FLOOR TILES
FF-2	600 x 600 MM NO-SKID HOMOGENEOUS FLOOR TILES
FF-3	400 x 400 MM GLAZED CERAMIC TILES
FF-4	600 x 600 MM ANTI-BACTERIAL FLOOR TILES
FF-5	STEEL TROWELED PLAIN CEMENT FLOOR FINISH
FF-6	POURED CONCRETE TOPPING W/ WATER PROOFING MEMBRANE
FF-7	POURED CONCRETE W/ EPOXY PAINT FINISH
FF-8	600 x 600 MM VINYL TILES




LEGEND: SCHEDULE OF CEILING FINISHES	
CE-1	10mm THK. GYPSUM BOARD USE .60 MM THK METAL FLOORING SPACER @ 400 X 600 MM, B.W.
CE-2	10mm THK. GYPSUM BOARD USE .60 MM THK. METAL FLOORING SPACER @ 400 X 600 MM, B.W.
CE-3	10mm THK. 600 X 600 MM USE CONCEALED TEE-RUNNERS SPACED @ 600 X 600 MM, B.W.
CE-4	SMALL COATED FINISH SLAB SORTT 400 X 400 MM CEILING MANHOLE
LM-1	LOCATION : UTILITY

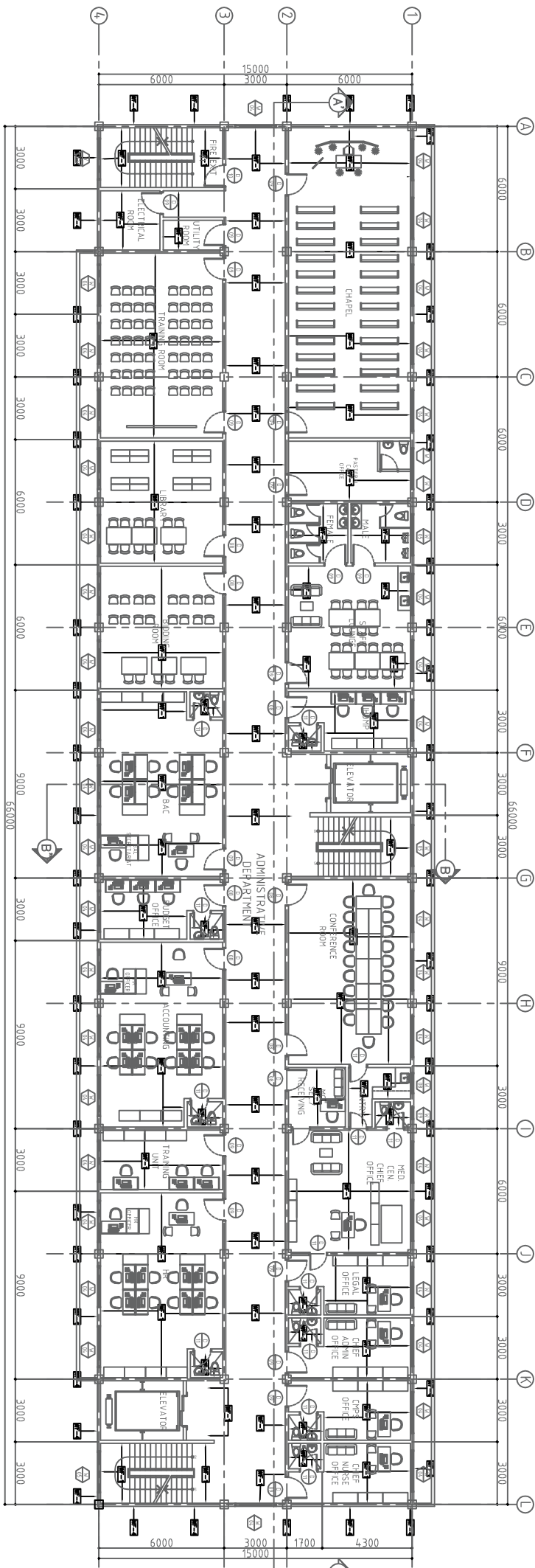
  

LEGEND: WALL FINISHES	
WF-1	GLASS LATEX PAINTED FINISH (INTERIOR WALL)
WF-2	1.80 METERS HIGH 400 X 400 MM HOMOGENEOUS WALL TILES AND REST IS PAINTED FINISH
WF-3	0.60 METERS HIGH 600 X 600 MM HOMOGENEOUS SPASH WALL TILES THE REST IS PAINTED FINISH
WF-4	SEMI-GLOSS LATEX PAINTED FINISH (EXTERIOR WALL)
WF-5	600 x 600 MM HOMOGENEOUS WALL TILES (FLOOR TO CEILING)
WF-6	600 x 600 MM ANTI-BACTERIAL WALL TILES (FLOOR TO CEILING)

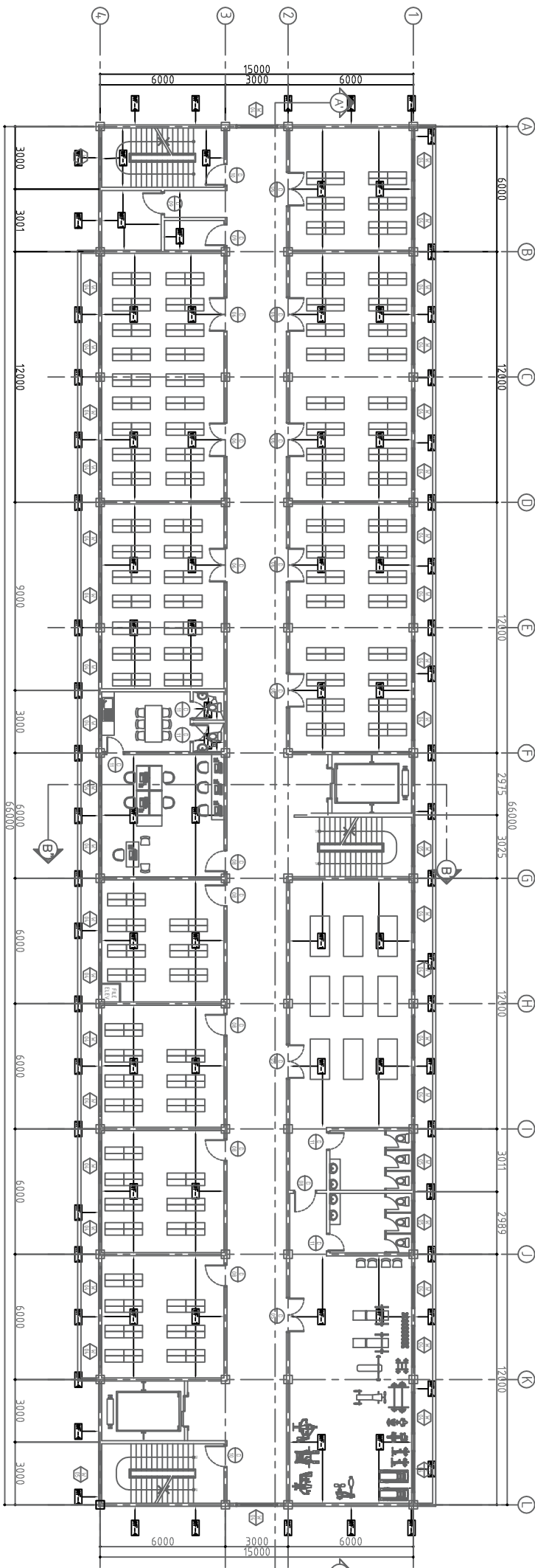


LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ARCHITECT	RA 9286 SECTION 3	CHECKED BY :  JOHN B. REYES, UAP FURNISH IT	PROJECT TITLE :	COMMENDING APPROVAL :  MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER	APPROVED BY :  GLORY V. BALTAZAR, MD, MPH, MBA, CSE MEDICAL CENTER CHIEF	SHEET CONTENT SCHEDULE OF WALL FINISHES (THIRD AND FOURTH)	SHEET NO. <div>A.09 9 / 24</div>
<p><b>ORIGINAL SIGNED JUN B. REYES, UAP</b></p> <p>Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of RA 9286 SECTION 3 and shall remain the property for which they are made by executed or not. It shall be unlawful for any person to duplicate or make copies thereof without the written consent of RA 9286 SECTION 3 and its authorized representative, architect and/or other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document.</p> <p>PTR No.: 0152550 VALIDITY PLACE ISSUED: BALANOGA PTR No.: 3058921 TIN No.: 430203585 DATE: 02/22/17 DATE: 01/18/17</p> <p><b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b></p> <p>LOCATION : BATYAN GENERAL HOSPITAL BALANOG CITY , BATYAN</p>							



1 THIRD FLOOR  
SCALE SCHEDULE OF WALL FINISHES 1:100mm



2  
A-09

FOURTH FLOOR  
SCALE

SCHEDULE OF WALL FINISHES

1:100m

LEGEND: SCHEDULE OF FLOOR FINISHES	
FF-1	600 x 600 MM HOMOGENEOUS FLOOR TILES
FF-2	600 x 600 MM NO-SKID HOMOGENEOUS FLOOR TILES
FF-3	400 x 400 MM GLAZED CERAMIC TILES
FF-4	600 x 600 MM ANTI-BACTERIAL FLOOR TILES
FF-5	STEEL TROWELED PLAN CEMENT FLOOR FINISH
FF-6	POURED CONCRETE TOPPING W/ WATER PROOFING MEMBRANE
FF-7	POURED CONCRETE W/ EPOXY PAINT FINISH
FF-8	600 x 600 MM VINYL TILES

LEGEND: SCHEDULE OF CEILING FINISHES

C-1	10mm THK. OSTRIM BOARD USE .60 MM THK. METAL FILING THICKENED OSTRIM BOARD
C-2	10mm THK. OSTRIM BOARD USE .60 MM THK. METAL FILING MOISTURE RESISTANT OSTRIM BOARD SPACED @ 600 X 600 MM, 6 IN.
C-3	10mm THK. BOARD ACQUISITION BOARD USE CONCEALED TIE-ROUNTERS SPACED @ 600 X 600 MM, 6 IN.
C-4	SKIM COATED FINISH SLUG SORTIT
MM	400 X 400 MM CEILING HANGOLE
LOCATION	UTILITY

**LEGEND: WALL FINISHES**

WTF-1	GLASS LATEX PAINTED FINISH (INTERIOR WALL)
WTF-2	1.80 METERS HIGH 400 x 400 MM HOMOGENEOUS WALL TILES AND REST IS PAINTED FINISH
WTF-3	0.60 METERS HIGH 600 x 600 MM HOMOGENEOUS SPASH WALL TILES THE REST IS PAINTED FINISH
WTF-4	SEMI-CLOSED LATEX PAINTED FINISH (EXTERIOR WALL)
WTF-5	600 x 600 MM HOMOGENEOUS WALL TILES (FLOOR TO CEILING)
WTF-6	600 x 600 MM ANTI-BACTERIAL WALL TILES (FLOOR TO CEILING)



**TRUCKING • EQUIPMENT RENTALS**

DATE: 02/22/17 TIN No.: 240 913 651

### CON 3

## PROPOSED 5 STOREY MULTISTORY BUILDING

PRC No.1 0125250	VALIDITY
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PIN NO.:	3036921	PLACE ISSUED:
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DATE: 01/18/17 TIN No.: 435023585

1

**LOCATION : BATAAN GENERAL HOSPITAL**

BALANGA CITY, BATAAN

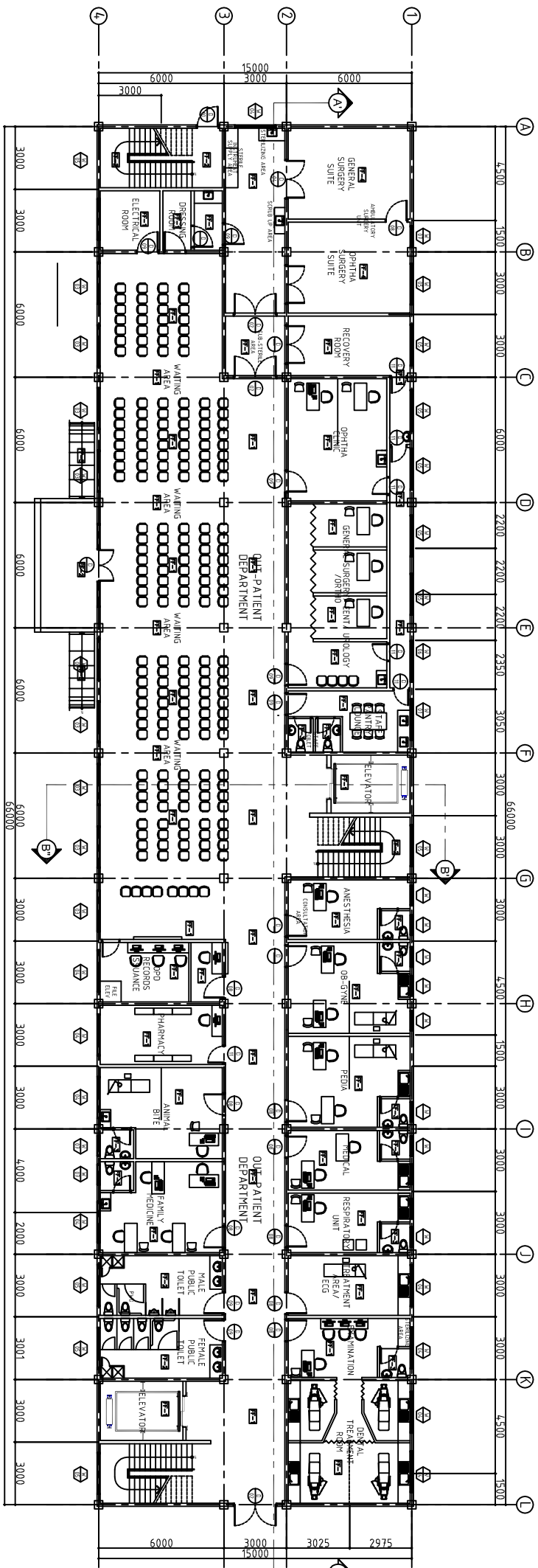
**SHEET NO.**

10

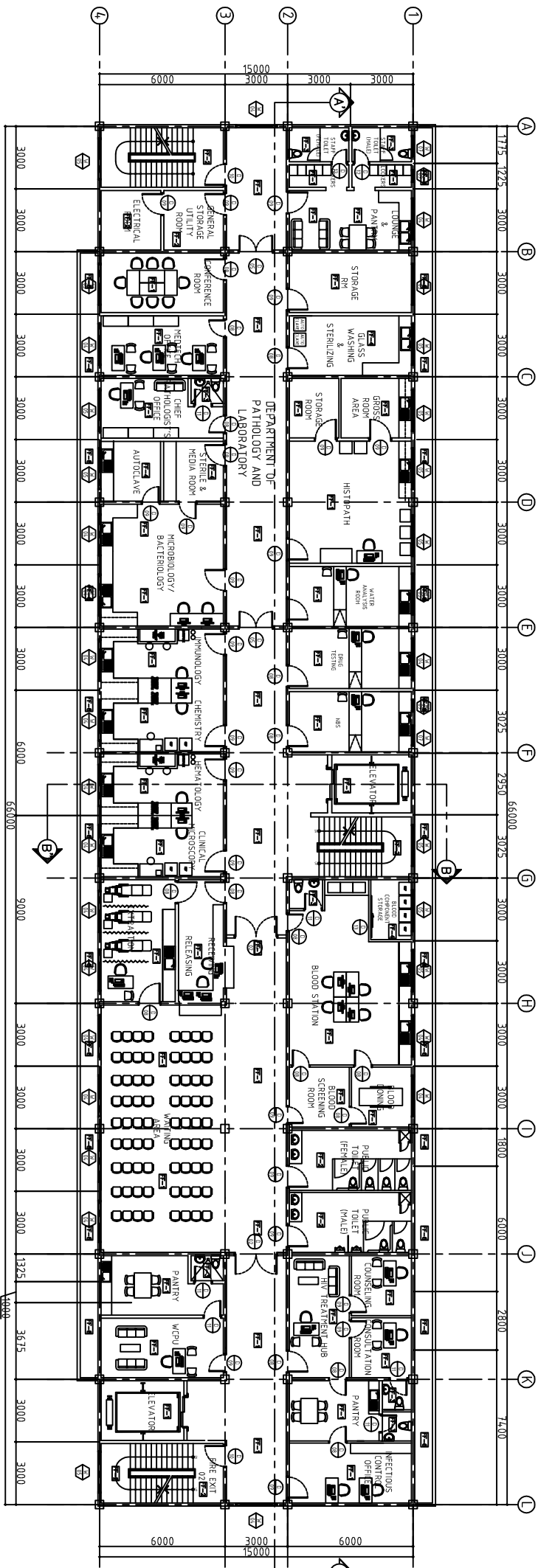
10/24



LEGEND: SCHEDULE OF FLOOR FINISHES	
F1-1	800 x 600 MM HOMOGENEOUS FLOOR TILES
F1-2	800 x 600 MM NO-SKID HOMOGENEOUS FLOOR TILES
F1-3	400 x 400 MM GLAZED CERAMIC TILES
F1-4	600 x 600 MM ANTI-BACTERIAL FLOOR TILES
F1-5	STEEL TROWELED PLAIN CEMENT FLOOR FINISH
F1-6	POURED CONCRETE TOPPING W/ WATER PROOFING MEMBRANE
F1-7	POURED CONCRETE W/ EPOXY PAINT FINISH
F1-8	600 x 600 MM VINYL TILES
LEGEND: SCHEDULE OF CEILING FINISHES	
C1-1	10mm THK. GYPSUM BOARD USE .60 MM THK METAL FIRING SPACED @ 400 X 600 MM B.W.
C1-2	10mm THK. GYPSUM BOARD USE .60 MM THK METAL BOARD SPACED @ 400 X 600 MM B.W.
C1-3	10mm THK. 800 x 600 MM USE CONCEALED TEE-RUNNERS SPACED @ 600 X 600 MM B.W.
C1-4	SMALL COATED FINISH SLAB SOFFIT
LH1	400 X 400 MM CEILING MANHOLE LOCATION: S. UTILITY
LEGEND: WALL FINISHES	
W1-1	GLOSS LATEX PAINTED FINISH (INTERIOR WALL)
W1-2	1.50 METERS HIGH 400 x 400 MM HOMOGENEOUS WALL TILES AND REST IS PAINTED FINISH
W1-3	0.60 METERS HIGH 600 x 600 MM HOMOGENEOUS SPASH WALL TILES THE REST IS PAINTED FINISH
W1-4	SEM-GLOSS LATEX PAINTED FINISH (EXTERIOR WALL)
W1-5	600 x 600 MM HOMOGENEOUS WALL TILES (FLOOR TO CEILING)
W1-6	600 x 600 MM ANTI-BACTERIAL WALL TILES (FLOOR TO CEILING)



GROUND FLOOR  
1  
A-11  
SCALE  
1:100m



2  
A-11  
SECOND FLOOR  
SCHEDULE OF FLOOR FINISHES  
SCALE  
1:100m

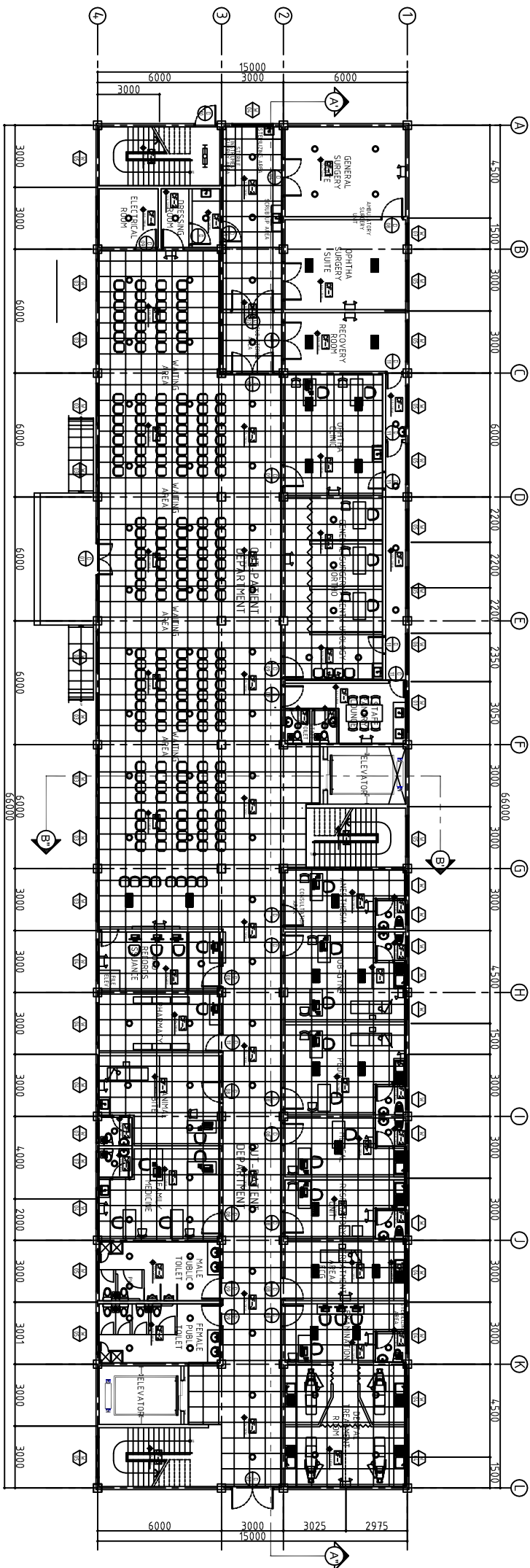
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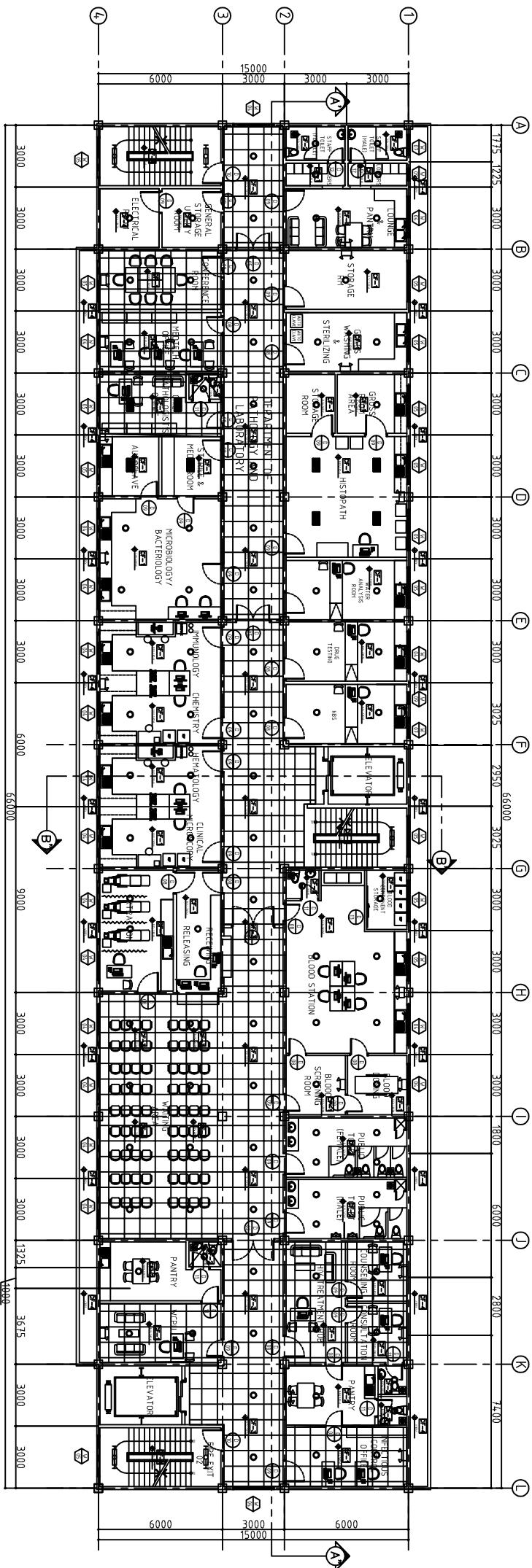




LEGEND: SCHEDULE OF FLOOR FINISHES	
FF-1	600 x 600 MM HOMOGENEOUS FLOOR TILES
FF-2	600 x 600 MM NO-SKID HOMOGENEOUS FLOOR TILES
FF-3	400 x 400 MM GLAZED CERAMIC TILES
FF-4	600 x 600 MM ANTI-BACTERIAL FLOOR TILES
FF-5	STEEL TROWELED PLAIN GROUT FLOOR FINISH
FF-6	POURED CONCRETE TOPPING W/ WATER PROOFING MEMBRANE
FF-7	POURED CONCRETE W/ EPOXY PAINT FINISH
FF-8	600 x 600 MM VINYL TILES
LEGEND: SCHEDULE OF CEILING FINISHES	
CE-1	10mm THK. GYPSUM BOARD USE .60 MM THK METAL FIRING SPACED @ 400 X 600 MM B.W.
CE-2	10mm THK. PREFER GROUT BOARD USE .60 MM THK METAL FIRING SPACED @ 400 X 600 MM B.W.
CE-3	10mm THK. 600 X 600 MM USE CONCEALED TEE-RUNNERS SPACED @ 600 X 600 MM B.W.
CE-4	SWIM COATED FINISH SLAB SOTTIT
LM1	400 X 400 MM CEILING MANHOLE LOCATION : UTILITY
LEGEND: WALL FINISHES	
WF-1	GLASS LATEX PAINTED FINISH (INTERIOR WALL)
WF-2	1.80 METERS HIGH 400 X 400 MM HOMOGENEOUS WALL TILES AND REST IS PAINTED FINISH
WF-3	0.60 METERS HIGH 600 X 600 MM HOMOGENEOUS SPASH WALL TILES THE REST IS PAINTED FINISH
WF-4	SEMI-GLASS LATEX PAINTED FINISH (EXTERIOR WALL)
WF-5	600 X 600 MM HOMOGENEOUS WALL TILES (ROOM TO CEILING)
WF-6	600 X 600 MM ANTI-BACTERIAL WALL TILES (ROOM TO CEILING)



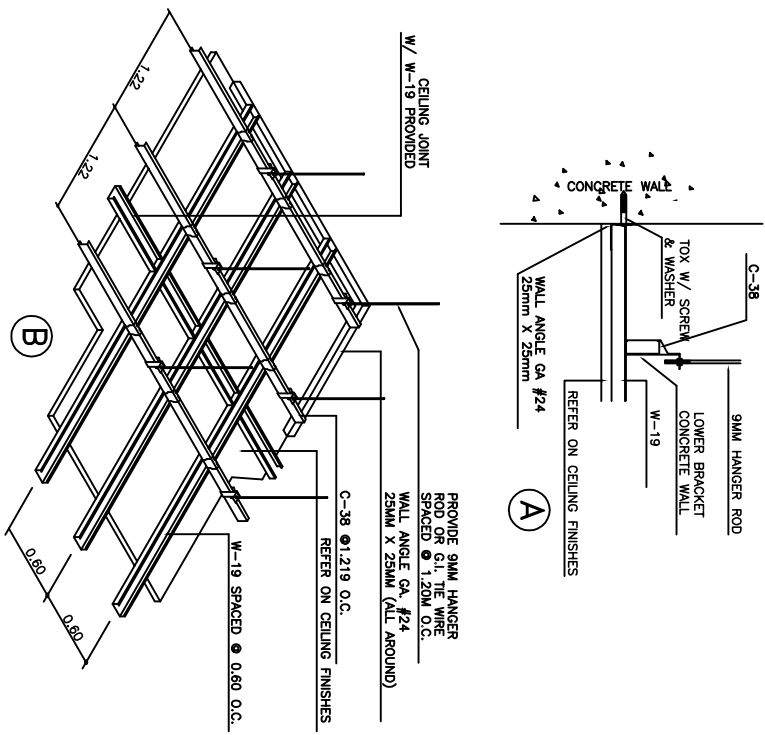
GROUND FLOOR  
1  
A-14  
SCALE  
1:100m



2  
A-14



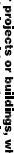


SECOND FLOOR  
SCHEDULE OF CEILING FINISHES

SCALE 1:100mm



A - TERMINATION DETAIL  
B - FALSE CEILING OVERVIEW

SCALE 1:100 METERS

<div><div><h1>Lucky Star</h1><h2>CONSTRUCTION &amp; TRADING</h2><p>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKS • EQUIPMENT RENTALS</p></div></div> <div>Lucky Star Bldg. 2, McArthur Highway, Sindolun City of San Fernando, Pampanga</div>			
<div>ARCHITECT</div> <div><div>ORIGINAL SIGNED</div><div><div><b>JUN D. REYES, UAP</b></div></div></div> <div>PRC No.: 0019948      VALIDITY, 10/01/19 PTR No.: 7194143      PLACE ISSUED: HZL DATE: 02/22/17      TIN No.: 240 913 651</div>		<div>RA 9266 SECTION 3</div> <div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect and shall not be reproduced or for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the reproduction of drawings and specifications without the consent of the architect or author of said document. <sup>15</sup></div>	
<div>CHECKED BY:</div> <div><div><div><b>JOHN DARBEL M. SANTOS</b> ENGINEER IV</div></div><div>PRC No.: 0125250      VALIDITY PTR No.: 3068921      PLACE ISSUED: BALANGA DATE: 01/18/17      TIN No.: 439023585</div></div>		<div>PROJECT TITLE :</div> <div><b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b></div> <div>LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN</div>	
<div>COMMENDING APPROVAL :</div> <div><div><div><b>MYRTA V. MAGAT</b> CHIEF ADMINISTRATIVE OFFICER</div></div><div>GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div></div>		<div>APPROVED BY :</div> <div><div></div></div>	
<div>SHEET CONTENT</div> <div>SCHEDULE OF CEILING FINISHES (GROUND AND SECOND)</div>		<div>SHEET NO.</div> <div><div>A.14</div><div>14 24</div></div>	



Architectural floor plan of a large building, likely a school or institutional facility, showing a grid system and various rooms. The plan includes dimensions for the grid lines and room sizes.

**Grid System:**

- Horizontal Grid (Letters):** A, B, C, D, E, F, G, H, I, J, K, L
- Vertical Grid (Numbers):** 1, 2, 3, 4

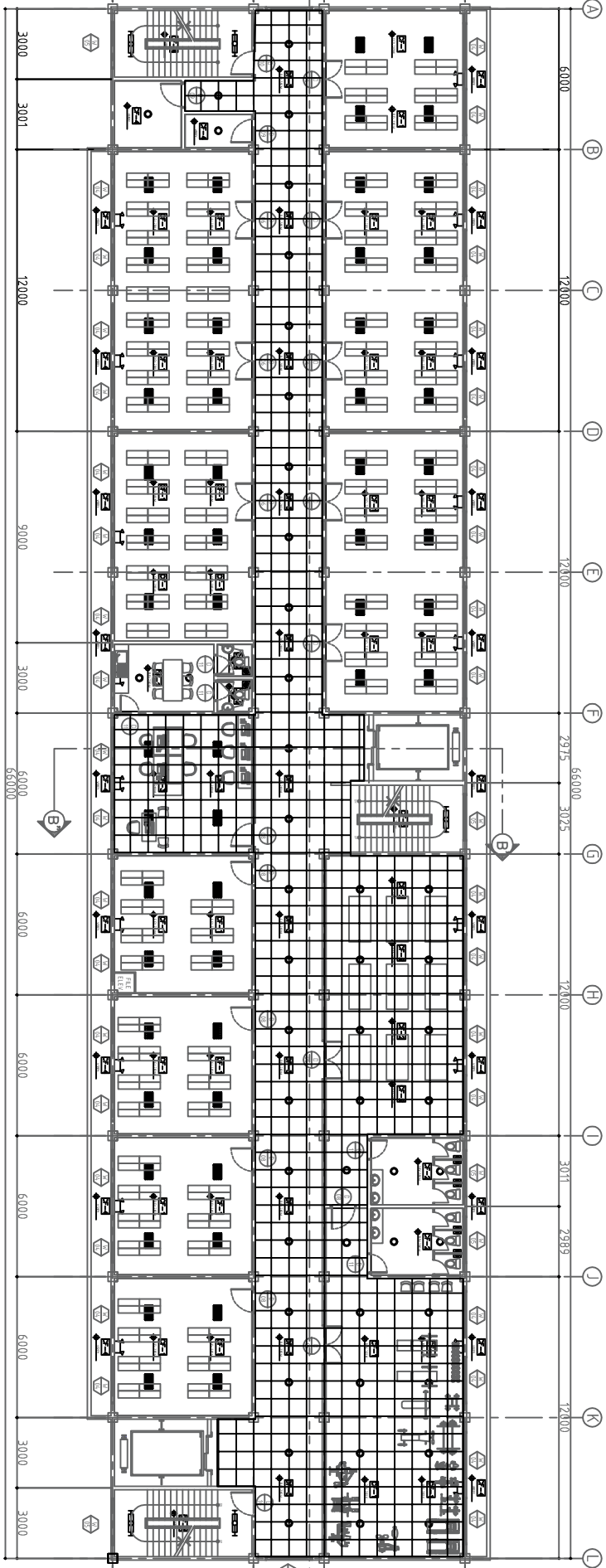
**Room Labels and Dimensions:**

- Top Section (Rooms 1-10):**
  - Room 1: 6000 x 3000
  - Room 2: 15000 x 3000
  - Room 3: 6000 x 3000
  - Room 4: 6000 x 3000
  - Room 5: 6000 x 3000
  - Room 6: 6000 x 3000
  - Room 7: 6000 x 3000
  - Room 8: 6000 x 3000
  - Room 9: 6000 x 3000
  - Room 10: 6000 x 3000
- Middle Section (Rooms 11-20):**
  - Room 11: 6000 x 3000
  - Room 12: 6000 x 3000
  - Room 13: 6000 x 3000
  - Room 14: 6000 x 3000
  - Room 15: 6000 x 3000
  - Room 16: 6000 x 3000
  - Room 17: 6000 x 3000
  - Room 18: 6000 x 3000
  - Room 19: 6000 x 3000
  - Room 20: 6000 x 3000
- Bottom Section (Rooms 21-30):**
  - Room 21: 6000 x 3000
  - Room 22: 6000 x 3000
  - Room 23: 6000 x 3000
  - Room 24: 6000 x 3000
  - Room 25: 6000 x 3000
  - Room 26: 6000 x 3000
  - Room 27: 6000 x 3000
  - Room 28: 6000 x 3000
  - Room 29: 6000 x 3000
  - Room 30: 6000 x 3000

**Other Labels:**

- ELEVATOR
- RESTROOM
- LIBRARY
- CAFETERIA
- GYMNASIUM
- CLASSROOM
- OFFICE
- STORAGE
- PARKING
- ENTRY
- EXIT

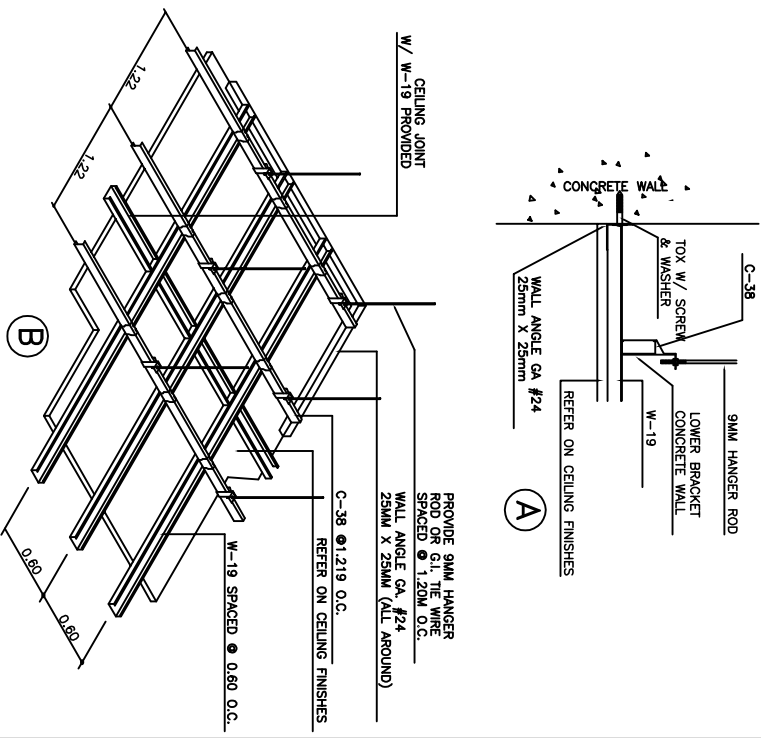
1 THIRD FLOOR  
SCHEDULE OF CEILING FINISHES  
A-15 SCALE 1:100mm



FOURTH FLOOR  
2 SCHEDULE OF CEILING FINISHES  
SCALE 1:100mm  
A-15



ARCHITECT	RA 92866 SECTION 3	CHECKED BY :	PROJECT TITLE :	COMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
<div>ORIGINAL SIGNED JUN D. REYES, UAP</div>	Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect and shall remain his/her property for which they are made to be executed or not. It shall be unlawful for any person to duplicate or make copies of the drawings, specifications, or other contract documents, or to use them for any purpose other than that intended by the architect, without the written consent of the architect or author of said document. *.	<div>JOHN A. SANTOS ENGINEER IV</div>	<div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>	<div>MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER</div>	<div>GLORY V. BALTAZAR, JMD, MPH, MHA, CSE MEDICAL CENTER CHIEF</div>	SCHEDULE OF CEILING FINISHES (THIRD AND FOURTH)	<div>A.15</div> <div>15 24</div>
PRC No.: 0152948 PTR No.: 7194143 DATE: 02/22/17	VALIDITY 10/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651	PRC No.: 0152550 PTR No.: 3058921 DATE: 01/18/17	LOCATION : BATAAN GENERAL HOSPITAL BALANQA CITY , BATAAN				









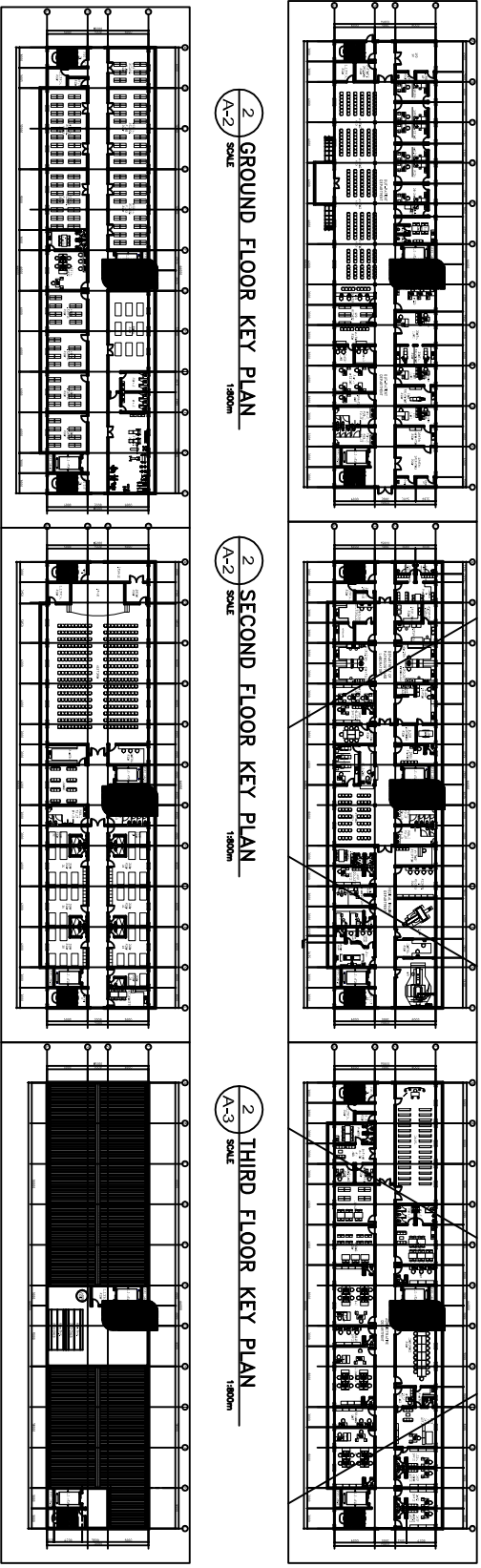
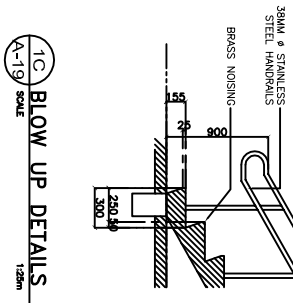
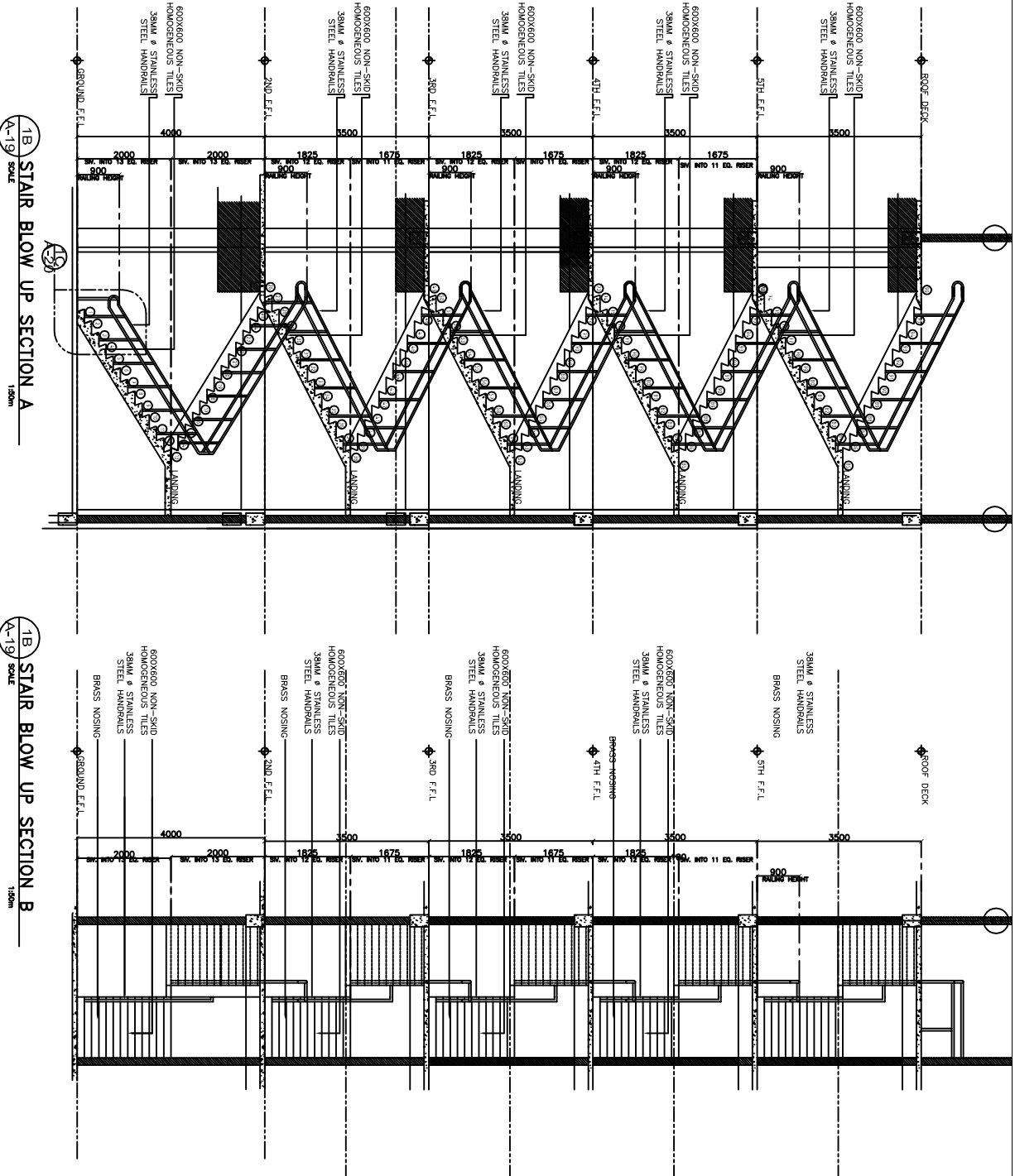
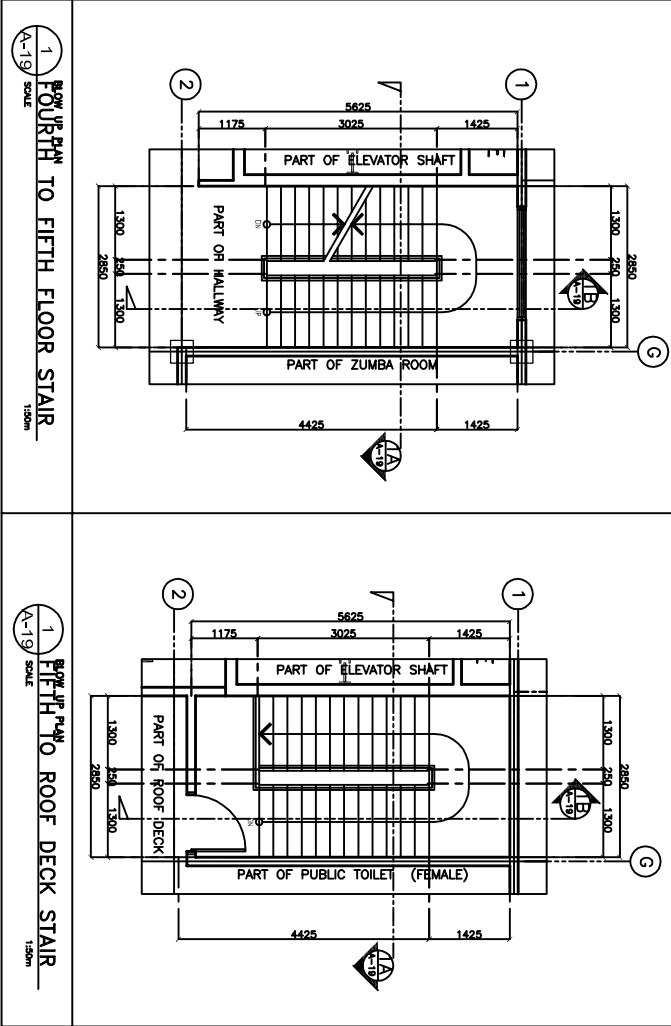
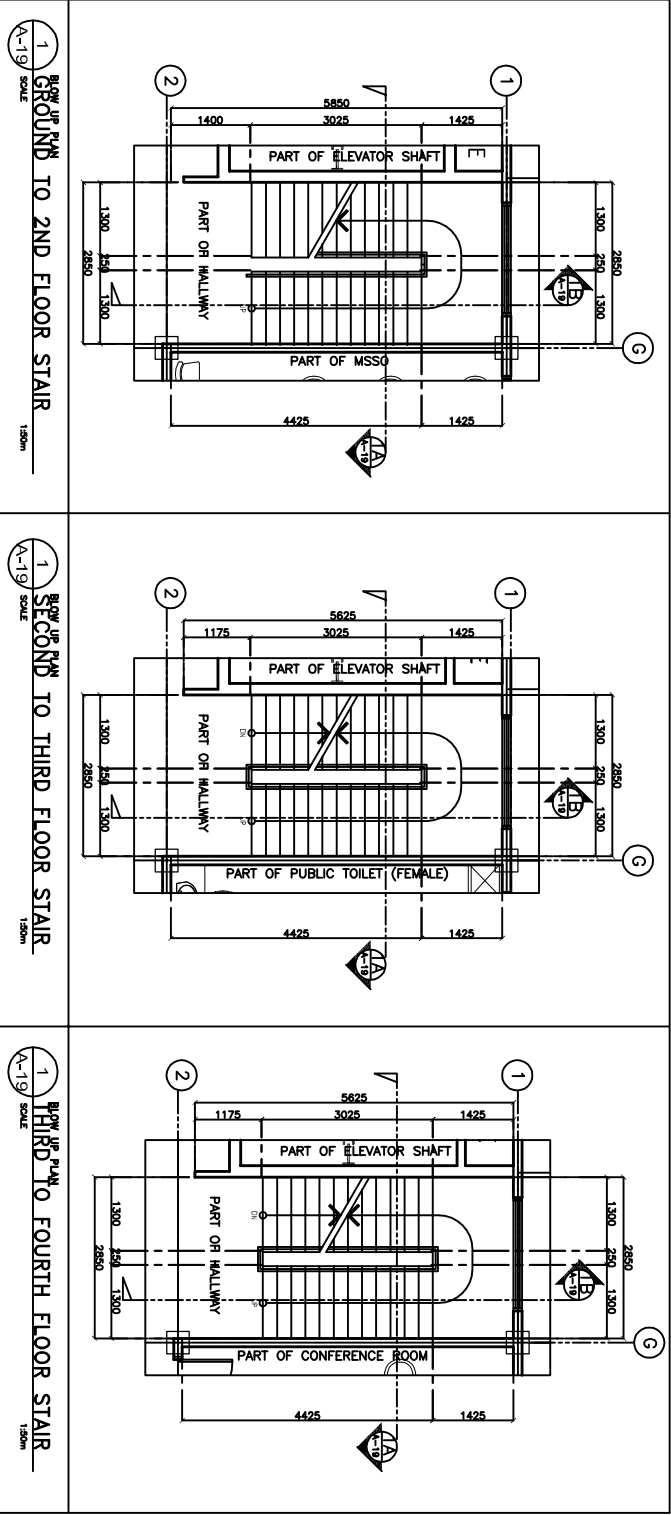


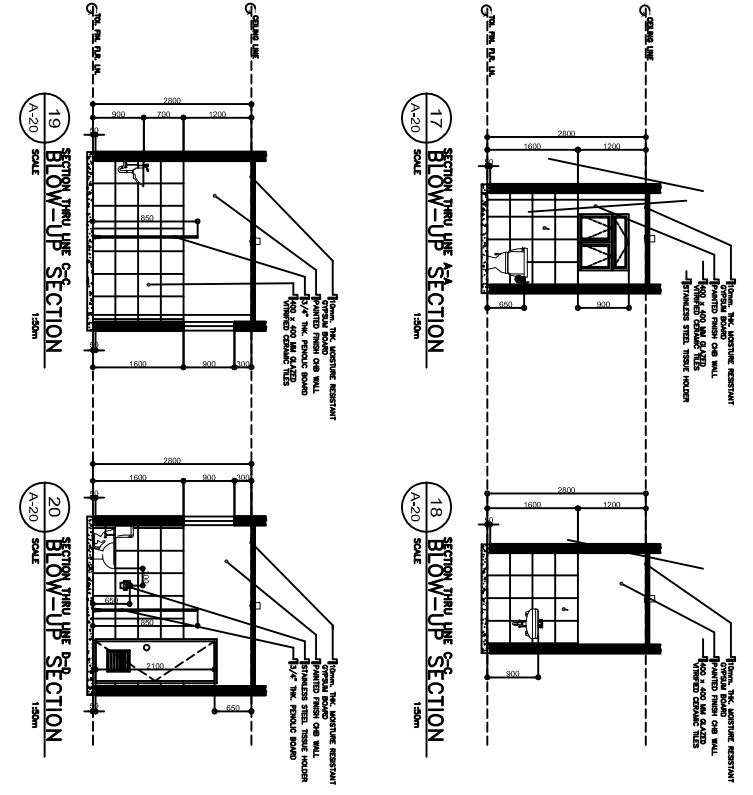
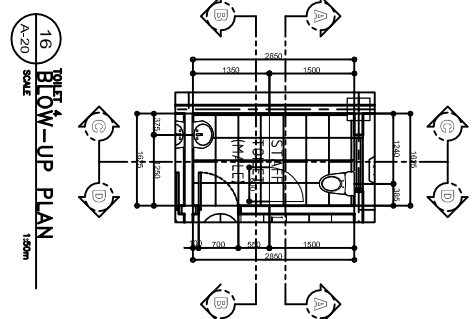
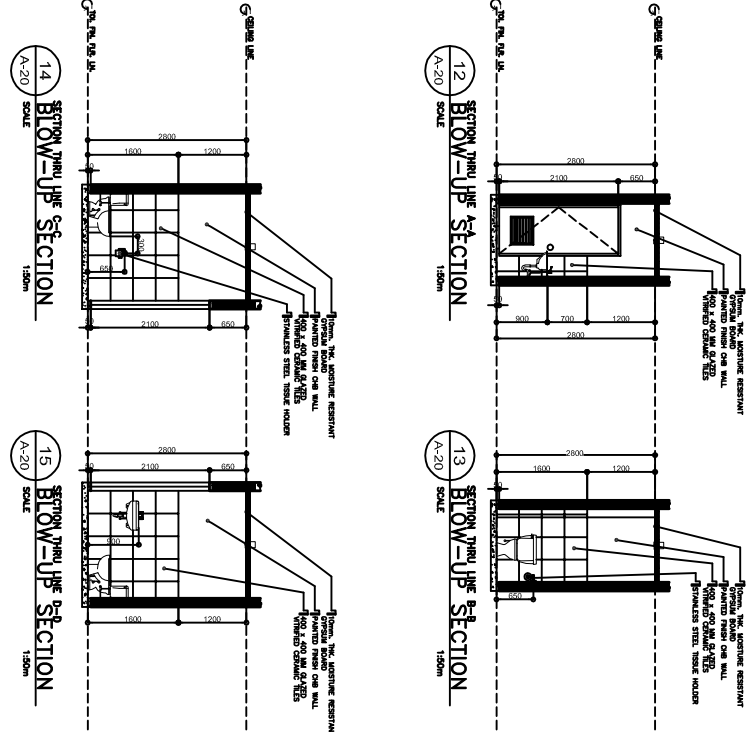
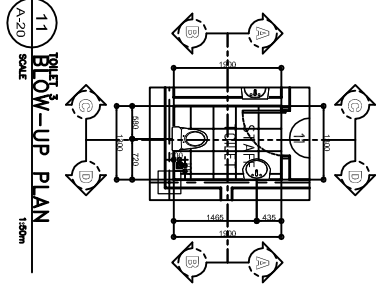
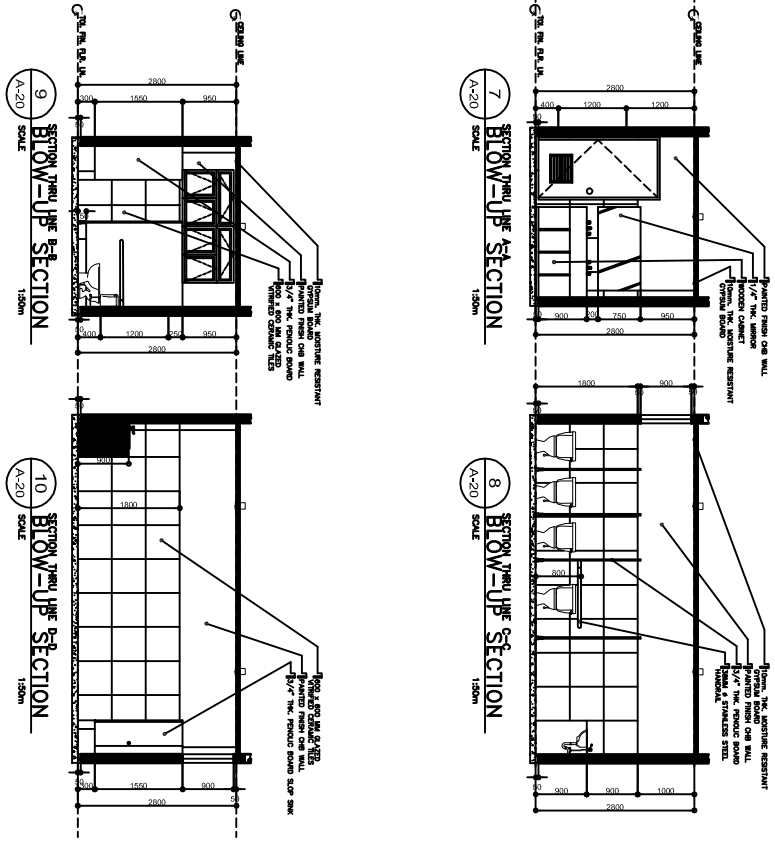
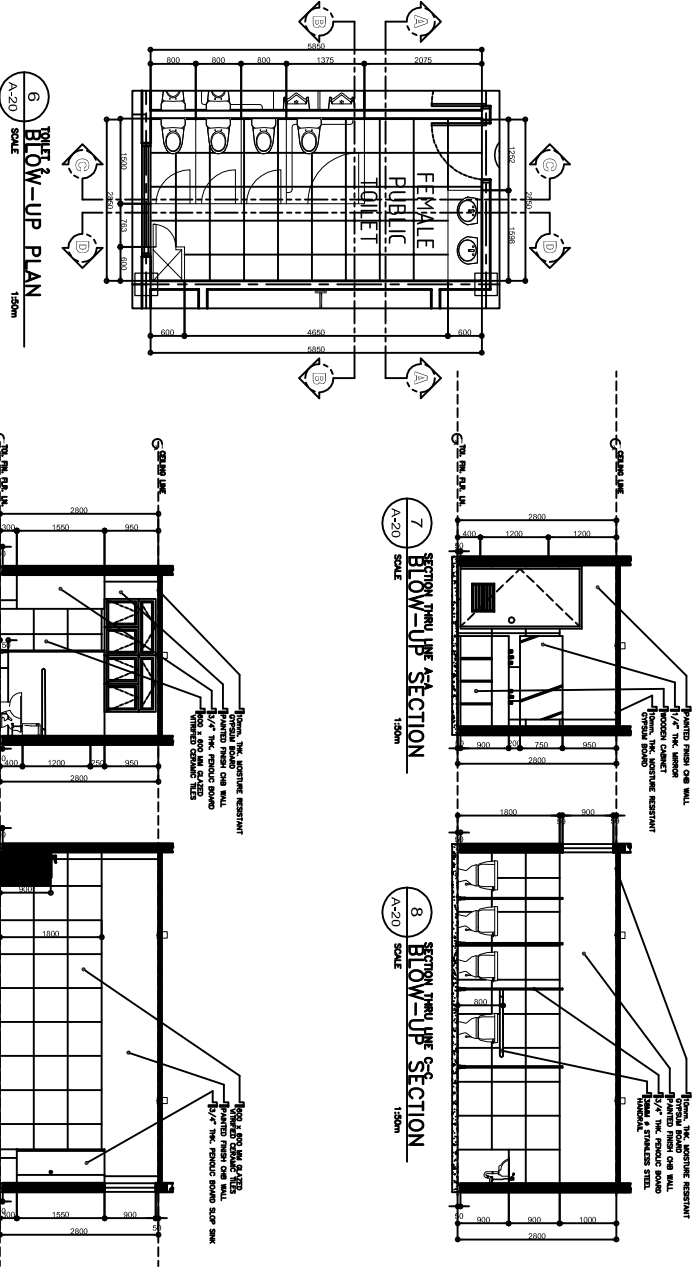
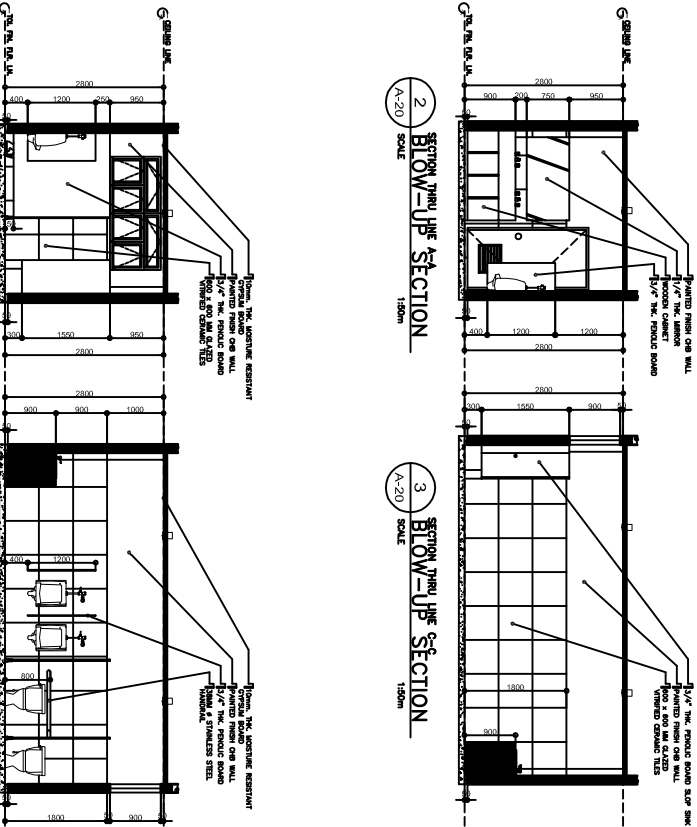
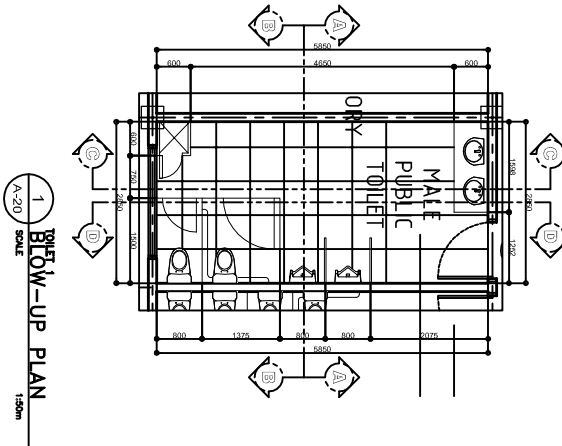




LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

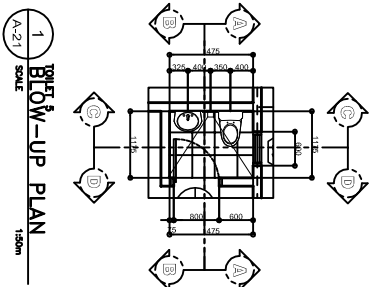
ARCHITECT	RA 9256 SECTION 3	PROJECT TITLE :	COMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
<div>ORIGINAL SIGNED <b>JUN D. REYES, UAP</b></div> <div>PRC No. 0019948 PTR No. 7194143 DATE: 02/22/17</div> <div>VALIDITY: 10/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	<div>Drawings and specifications and other contract documents if duly signed, stamped or sealed, as required by the laws of the Philippines, shall be instruments of service, are the intellectual property of the architect and shall be held in trust for the project for which they are made or executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed or not, without the written consent of the architect or author of said document. "v.</div>	<div>JOHN DANIEL M. SANTOS EMPLOYEE</div> <div>PRC No. 0125250 PTR No.: 3058921 DATE: 01/18/17</div> <div>VALIDITY PLACE ISSUED: BALANGA TIN No.: 439025985</div>	<div>MYRNA N. MAGAT CHIEF ADMINISTRATIVE OFFICER</div> <div>PRC No. 0019948 PTR No. 7194143 DATE: 02/22/17</div> <div>VALIDITY: 10/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	<div>GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div> <div>PRC No. 0019948 PTR No. 7194143 DATE: 02/22/17</div> <div>VALIDITY: 10/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	STAIR . 3 DETAIL. (GROUND TO ROOF DECK)	<div>A. 19</div> <div>19 24</div>



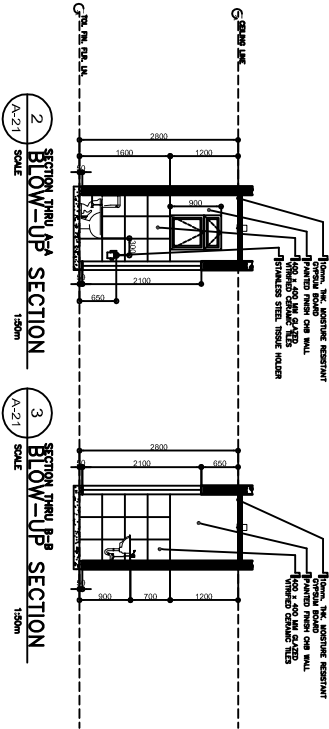


LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SANDALAN CITY OF SAN FERNANDO, PAMPANGA

ARCHITECT		RA 9266 SECTION 3		CHECKED BY:		PROJECT TITLE :		COMMENDING APPROVAL :		APPROVED BY :		SHEET CONTENT		SHEET NO.	
<div>ORIGINAL SIGNED</div> <div>JUN D. REYES, UAP</div> <div>PNC No. 0019946</div> <div>VALIDITY: 10/01/19</div> <div>PTR No.: 7194143</div> <div>TIN No.: 240 913 651</div> <div>DATE: 02/22/17</div>		<p>Drawings and specifications and other contract documents duly signed, stamped or sealed, as well as the instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be the responsibility of the architect to provide copies of said documents for use in the representation of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document s.</p>		<div>JOHN DANIEL M. SANTOS</div> <div>ENGINEER IV</div> <div>PNC No. 0125250</div> <div>VALIDITY</div> <div>PTR No.: 3058921</div> <div>PLACE ISSUED: BALANGA</div> <div>TIN No.: 435023585</div> <div>DATE: 01/18/17</div>		<div>PROPOSED 5 STOREY MULTI</div> <div>SPECIALTY BUILDING</div> <div>LOCATION : BATYAN GENERAL HOSPITAL</div> <div>BALANGA CITY, BATYAN</div>		<div>MYRNA V. MAGAT</div> <div>CHIEF ADMINISTRATIVE OFFICER</div>		<div>GLODY V. BALTAZAR, MD, MPH, WHA, CESE</div> <div>MEDICAL CENTER CHIEF</div>		TOILET DETAILS		<div>A.20</div> <div>20 24</div>	

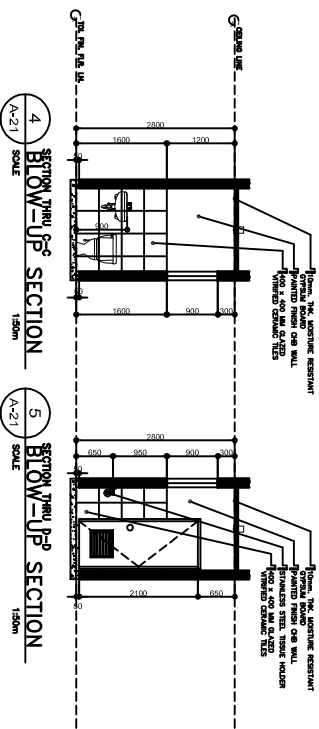


1  
BLOW-UP PLAN  
SCALE 1:500



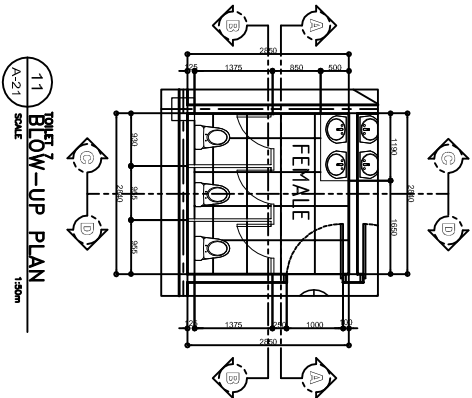
2 SECTION 2<sup>nd</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

3 SECTION 3<sup>rd</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

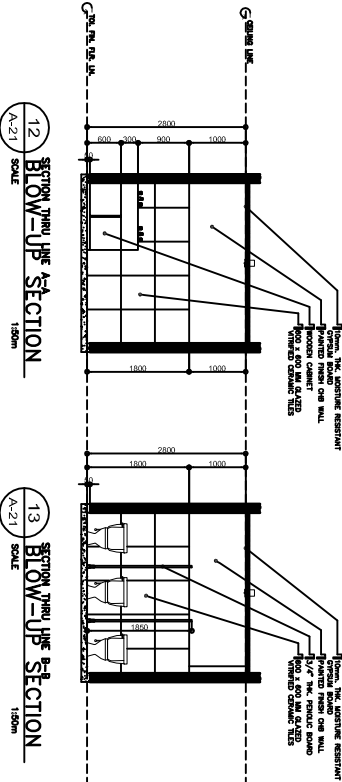


4 SECTION 4<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

5 SECTION 5<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

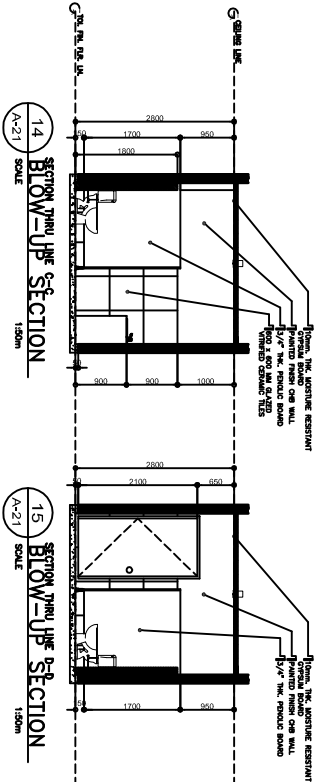


11  
BLOW-UP PLAN  
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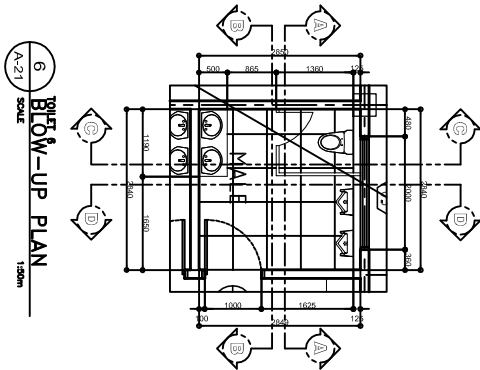
12 SECTION 12<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

13 SECTION 13<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

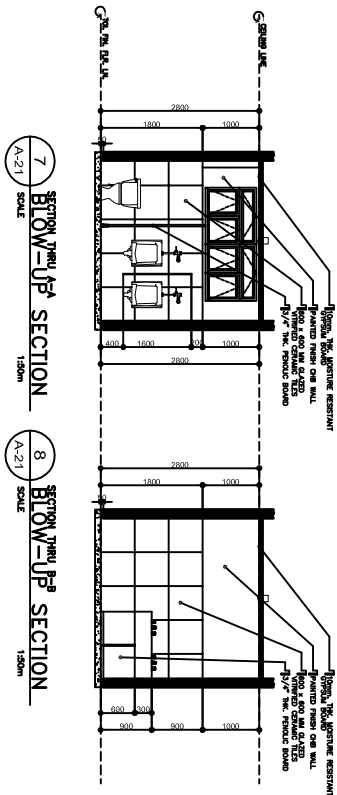


14 SECTION 14<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

15 SECTION 15<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

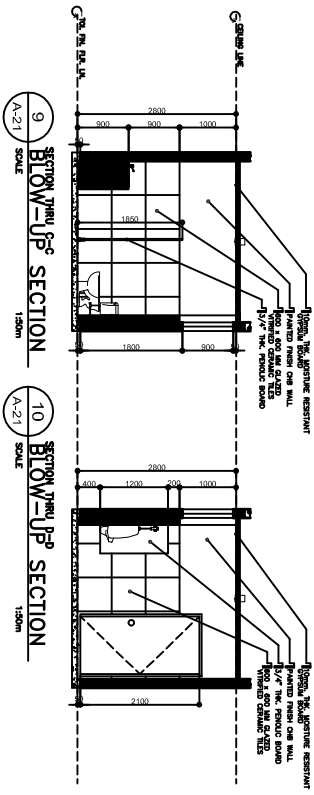


6  
BLOW-UP PLAN  
SCALE 1:500



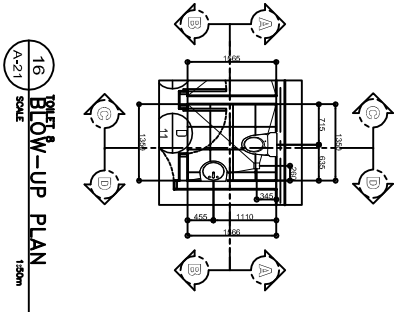
7 SECTION 7<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

8 SECTION 8<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

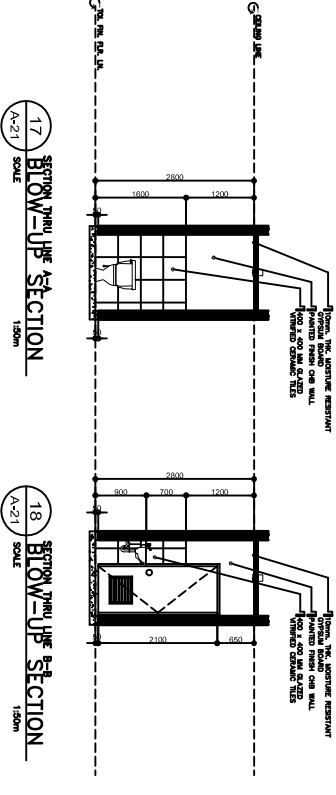


9 SECTION 9<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

10 SECTION 10<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

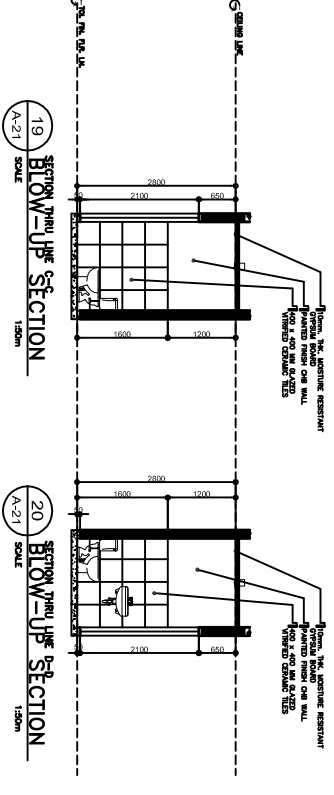


16  
BLOW-UP PLAN  
SCALE 1:500



17 SECTION 17<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

18 SECTION 18<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500



19 SECTION 19<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

20 SECTION 20<sup>th</sup> F<sup>loor</sup> SECTION  
SCALE 1:500

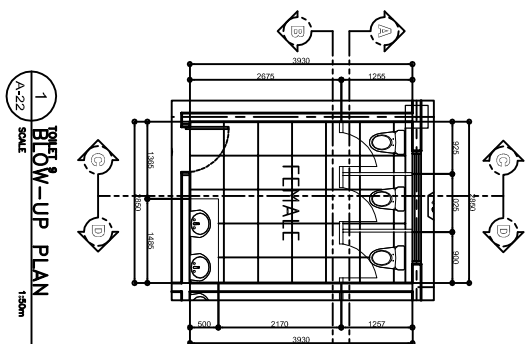
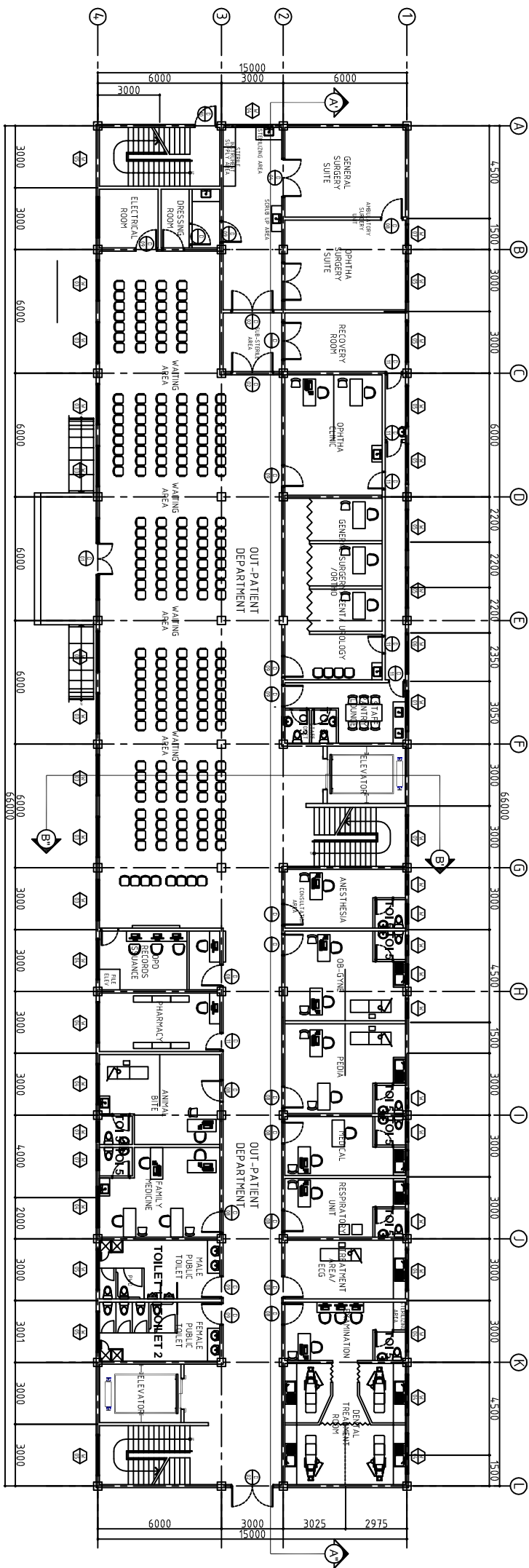
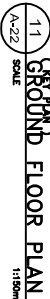
ARCHITECT		RA 9266 SECTION 3		PROJECT TITLE :		COMMENTING APPROVAL :		APPROVED BY :		SHEET CONTENT		SHEET NO.			
<div>ORIGINAL SIGNED</div> <div>JUN D. REYES, UAP</div>		<div>Drawings and specifications and other contract instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document "s.</div>		CHECKED BY : <div>JOHN DARREL M. SANTOS</div> <div>ENGINEER IV</div>		PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		<div>MYRNA V. MAGAT</div> <div>CHIEF ADMINISTRATIVE OFFICER</div>		<div>GLODY V. BALTAZAR, MD, MPH, WHA, CESE</div> <div>MEDICAL CENTER CHIEF</div>		TOILET DETAILS		<div>A.21</div> <div>2124</div>	
PNC No. 0018946		VALIDITY: 10/01/19		PNC No. 0125250		VALIDITY		PNC No. 0125250		VALIDITY		PNC No. 0018946		VALIDITY: 10/01/19	
PTR No. 7194143		PLACE ISSUED: RZL		PTR No. 3058921		PLACE ISSUED: BALANGA		PTR No. 3058921		PLACE ISSUED: BALANGA		PTR No. 7194143		PLACE ISSUED: RZL	
DATE: 02/22/17		TIN No. 240 913 651		DATE: 01/18/17		TIN No.: 435023585		DATE: 01/18/17		TIN No.: 435023585		DATE: 02/22/17		TIN No. 240 913 651	



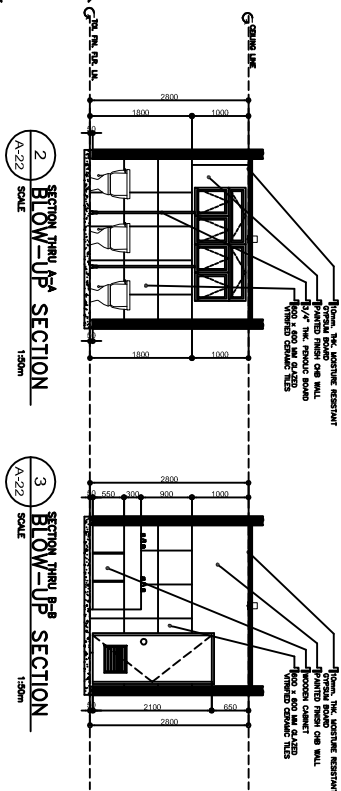


LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

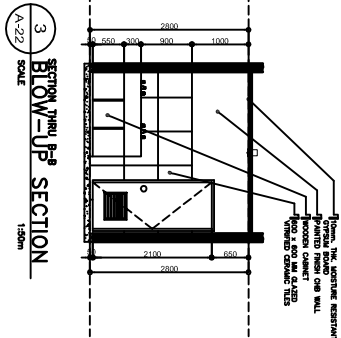
ARCHITECT	RA 9266 SECTION 3	CHECKED BY :	PROJECT TITLE :	COMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
<div>ORIGINAL SIGNED <b>JUN D. REYES, UAP</b></div> <div>PRC No. 00199488 PTR No.: 7194143 DATE: 02/22/17</div> <div>VALIDITY: 1/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	Drawings and specifications and other contract documents duly signed, stamped or sealed, as evidence of the acceptance of the architectural services, are the intellectual property of the architect and shall remain his/her property for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of architectural services without the written consent of the architect or author of said document.	<div>JOHN DARGEL M. SANTOS ENGINEER IV</div> <div>PRC No. 0152250 PTR No.: 3059821 DATE: 01/18/17</div> <div>VALIDITY PLACE ISSUED: BALANGA TIN No.: 435023585</div>	<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>  LOCATION : BATYAN GENERAL HOSPITAL  BALANGA CITY, BATYAN	<div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div> <div>GLORY V. BALTAZAR, MD, MPH, MHA, CSE MEDICAL CENTER CHIEF</div>		TOILET DETAILS	<div>A.22</div> <div>22 24</div>



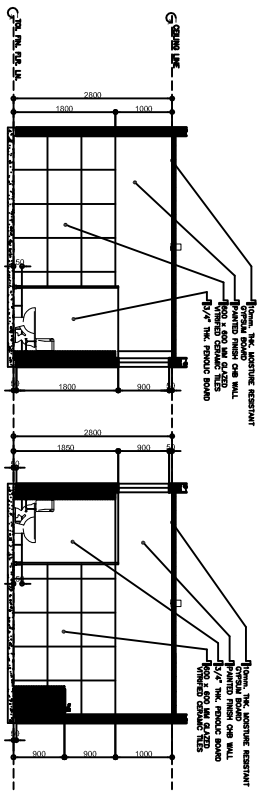
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A-22  
SCALE 1:50  
BLOW-UP PLAN



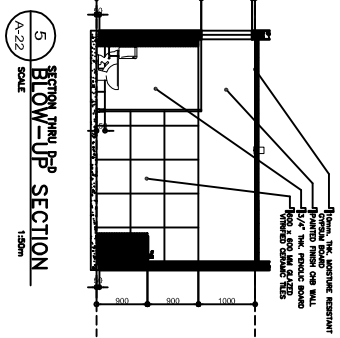
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BLOW-UP SECTION  
SCALE 1:50m  
A-22



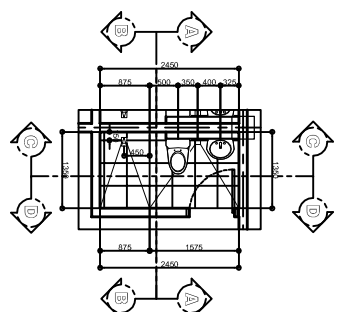
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SCALE 1:50m  
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A-22



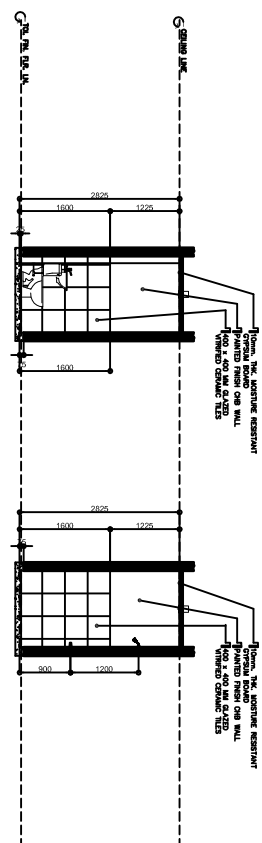
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A-22  
BLOW-UP SECTION  
SCALE  
1:50m



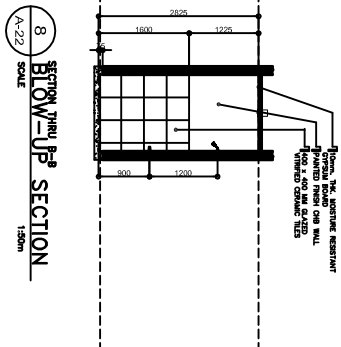
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A-22  
SECTION  
BLOW-UP  
SCALE  
1:50m



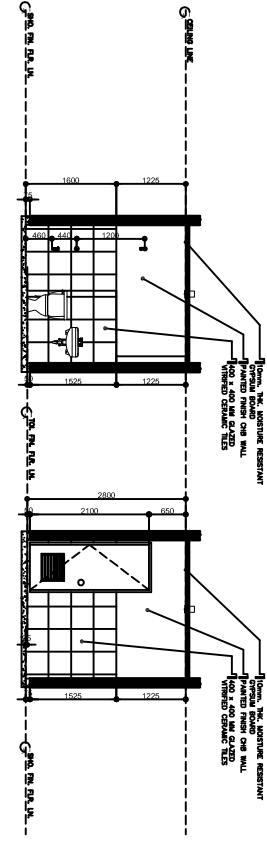
6  
A-22  
SCALE  
BLOW-UP PLAN  
1:25



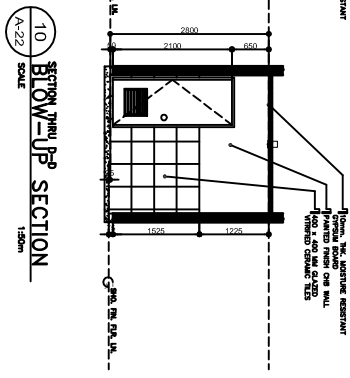
7  
A-22 SCALE 1:50m



SECTION 11000 - BLOW-UP SECTION  
8  
A-22 SCALE 1:50m



9 SECTION 1 AND 2  
BLOW-UP SECTION  
SCALE 1:50m  
A-22



10  
A-22 SCALE SECTION 1:50m



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SANDALAN CITY OF SAN FERNANDO, PAMPANGA

SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION

TRUCKING • EQUIPMENT RENTALS

ARCHITECT

ORIGINAL SIGNED  
JUN D. REYES, UAP

PRC No. 0018946

VALIDITY: 10/01/19

PLACE ISSUED: RZL

PTR No.: 7194143

DATE: 02/22/17

RA 9266 SECTION 3

Drawings and specifications and other contract instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be the responsibility of the architect to keep copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document "s.

CHECKED BY :

JOHN DANIEL M. SANTOS  
ENGINEER IV

PRC No. 0125250

VALIDITY

PTR No.: 3058921

DATE: 01/18/17

PROJECT TITLE :

PROPOSED 5 STOREY MULTI  
SPECIALTY BUILDING

LOCATION : BATYAN GENERAL HOSPITAL

BALANGA CITY, BATYAN

COMMENDING APPROVAL :

MYRNA V. MAGAT  
CHIEF ADMINISTRATIVE OFFICER

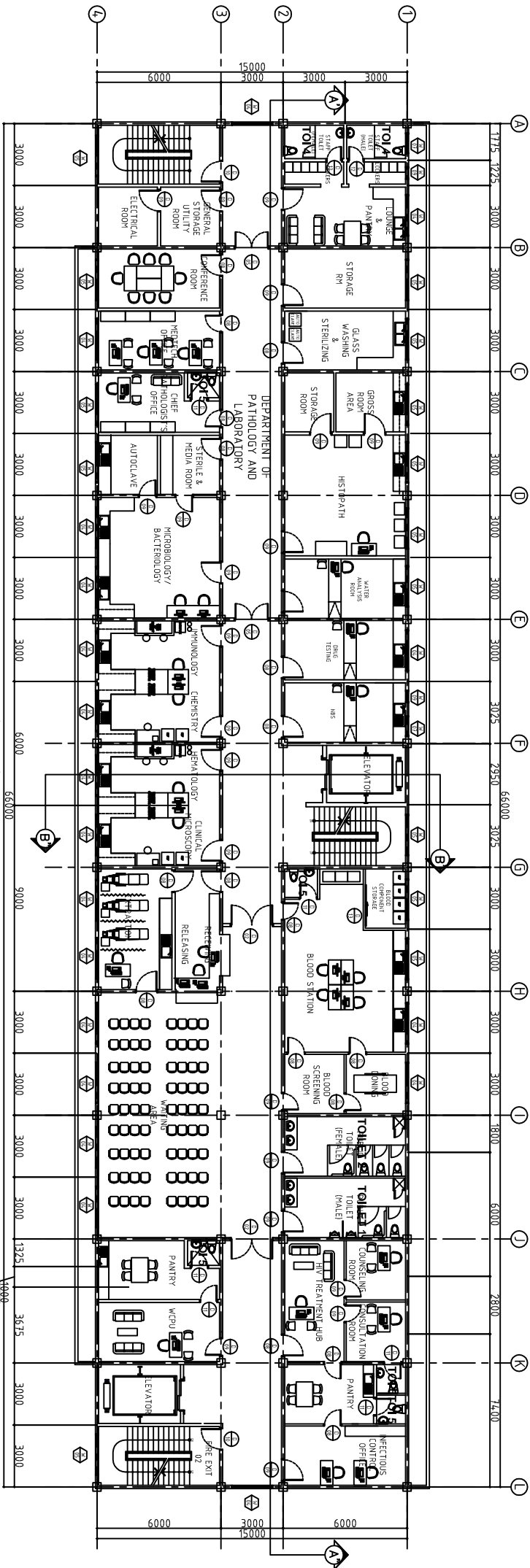
APPROVED BY :

GLORY V. BALTAZAR, MD, MPH, WHA, CSE  
MEDICAL CENTER CHIEF

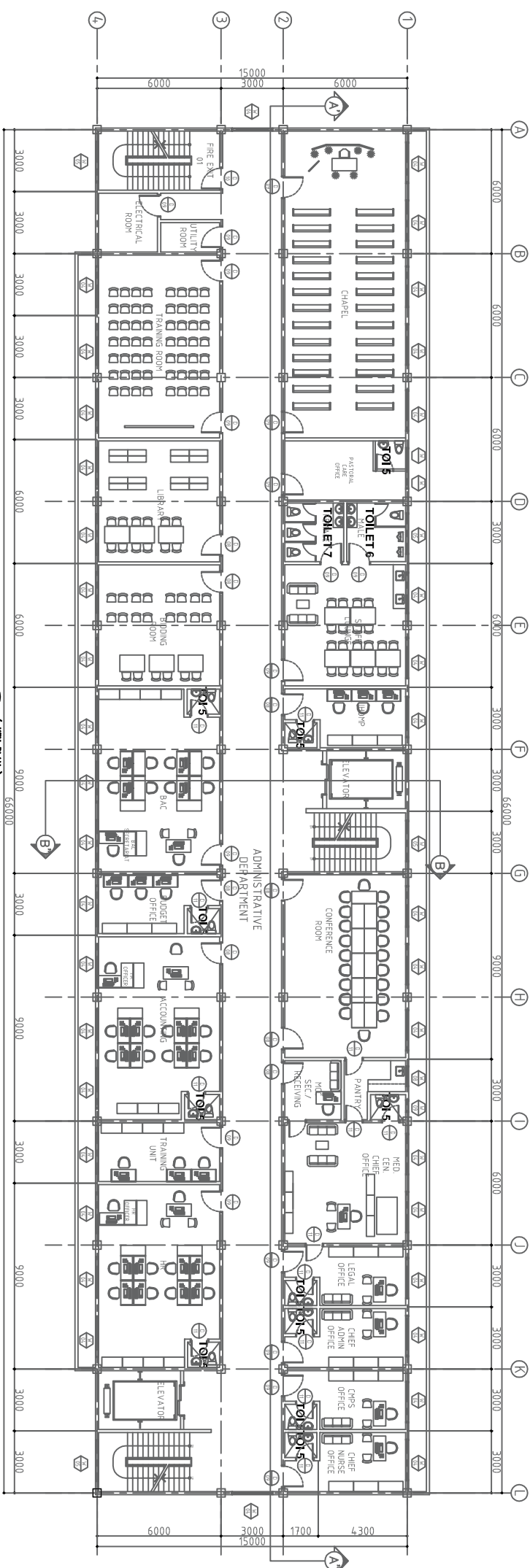
SHEET CONTENT  
TOILET DETAILS

SHEET NO.

A.23  
23  
24



1 SECOND FLOOR PLAN  
A-23 SCALE 1:1000



2 THIRD FLOOR PLAN  
A-23 SCALE 1:1000



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ARCHITECT	RA 9266 SECTION 3	CHECKED BY :	PROJECT TITLE :	COMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
<div>ORIGINAL SIGNED <b>JUN D. REYES, UAP</b></div> <div>PRC No. 00199488 PTR No.: 7194143 DATE: 02/22/17</div> <div>VALIDITY: 1/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	Drawings and specifications and other contract documents duly signed, stamped or sealed, as evidence of the acceptance of the architectural services, are the intellectual property of the architect and shall remain his/her property for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of architectural services without the written consent of the architect or author of said document.	<div>JOHN DARGEL M. SANTOS ENGINEER IV</div> <div>PRC No. 0152250 PTR No.: 3059821 DATE: 01/18/17</div> <div>VALIDITY PLACE ISSUED: BALANGA TIN No.: 435023585</div>	<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>  LOCATION : BATYAN GENERAL HOSPITAL  BALANGA CITY, BATYAN	<div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div> <div>PRC No. 00199488 PTR No.: 7194143 DATE: 02/22/17</div> <div>VALIDITY: 1/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	<div>GLORY V. BALTAZAR, MD, MPH, MHA, CSE MEDICAL CENTER CHIEF</div> <div>PRC No. 00199488 PTR No.: 7194143 DATE: 02/22/17</div> <div>VALIDITY: 1/01/19 PLACE ISSUED: RZL TIN No.: 240 913 651</div>	TOILET DETAILS	<div>A.24</div> <div>24 24</div>







1 GENERAL NOTES

19. HIGH INTENSITY DISCHARGE (HID) LIGHT FIXTURES SHALL BE FACTORY WIRED AND MANUFACTURED BY PHILIPS, THORN, OR GENERAL ELECTRIC.
20. PIN LIGHT FIXTURES SHALL BE COMPLETE WITH BALLAST AND/OR TRANSFORMER. LAMP/POLE HOLDERS SHALL BE MADE FROM GERMANY OR APPROVED EQUI.
21. ALL PANELS, BUS BAR GUTTERS AND THE LUKS SHALL HAVE 100% MAIN AND NEUTRAL BUSES WITH 50% GROUND BUS BASED ON THE MAIN BREAKER'S AMPERE FRAME FRAME RATING WITH SILVER PLATED JOINTS.

22. TELEPHONE INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE BUILDING TELEPHONE FACILITIES STANDARD MANUAL AND RULES AND REGULATIONS OF LOCAL TELEPHONE COMPANY AND THE CITY HAVING JURISDICTION.

- 2  
FM
- LEGEND
- NTS

- | SYMBOL  | DESCRIPTION   |
|---|---|
|  | LIGHTING AND POWER PANEL (LPP)                        |
|  | IF RECESSING JOINT<br>LIGHTING STRIKE WITH 50W LED    |
|  | STAINLESS RECESSED TUBE<br>LIGHTING STRIKE w/ 50W LED |
|  | 40W FLUORESCENT w/ COVER                              |

- [illegible]

- 
- FOCUS LIGHT**

- EMERGENCY LIGHT**

- EXHAUST FAN, CEILING MOUNTED
- CEILING FAN (OVERTHROW)

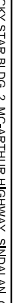
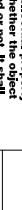


- WORLD CONFERENCE, WHILE  
FLOOR ORILET

- ⑤ **REF** REFRESHMENT QUALITY  
 ⑥ **NET**  
 ⑦ **ATC** AIR CRAFT

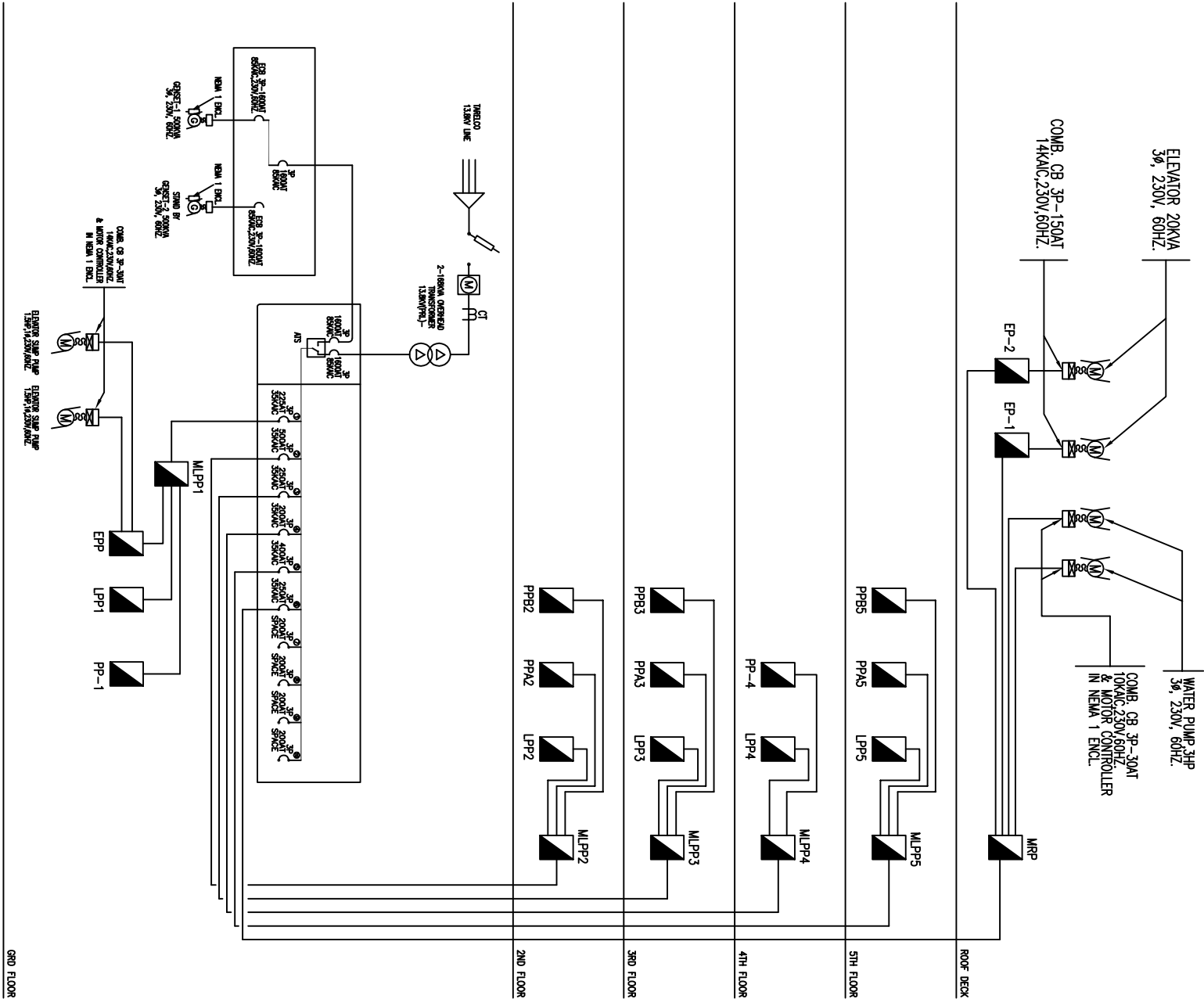
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**PHOTOCOPY SERVICE**  
 1-800-368-5868

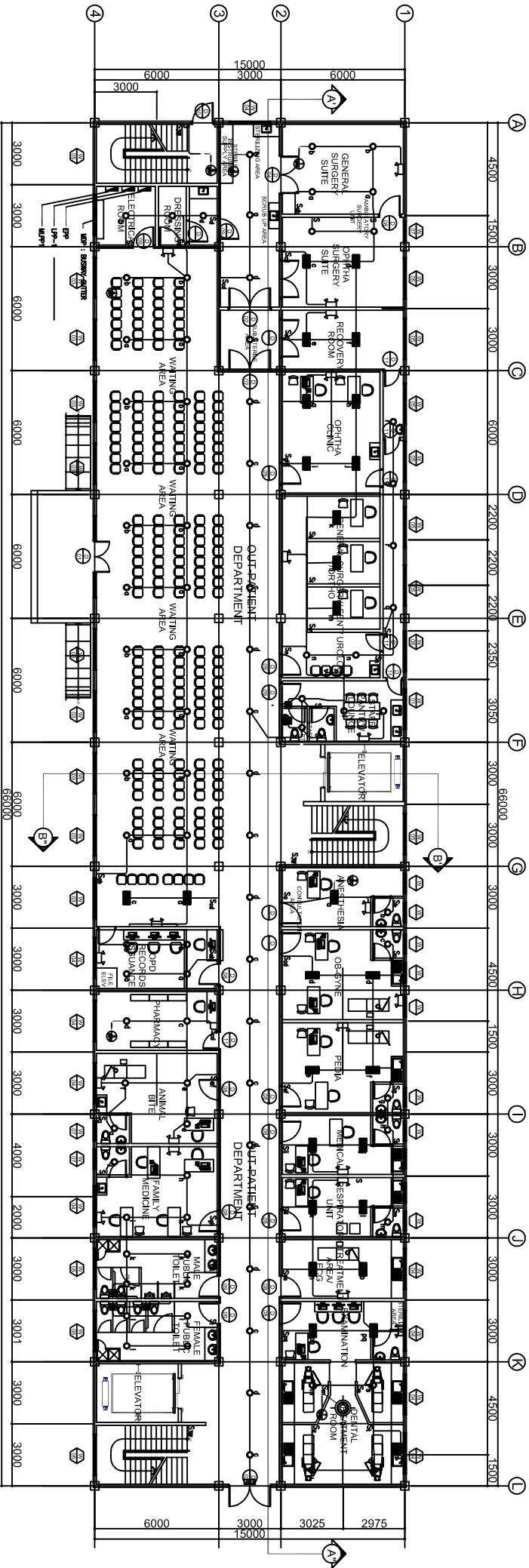
- |   |       |   |             |
|---|-------|---|-------------|
| 2 | HOURS | 1 | 100% SWATH  |
| 2 | HOURS | 1 | CHANG SWATH |
| 2 | HOURS | 2 | CHANG SWATH |

- WILLIAMS & WILKINS

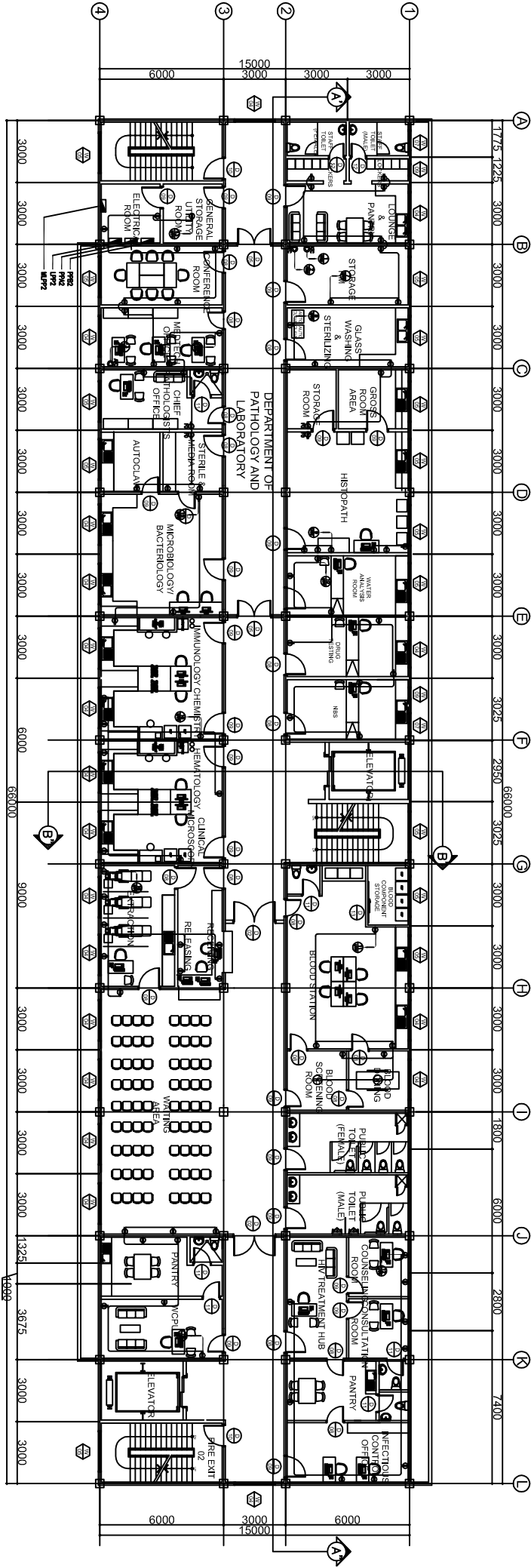
<div></div> <div><b>Lucky Star</b> CONSTRUCTION &amp; TRADING SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKING • EQUIPMENT RENTALS</div>		ELECTRICAL ENGINEER		RA 9266 SECTION 3	
<div>ORIGINAL SIGNED</div> <div><b>ALEX F. PATIO, PEE</b></div>		<div>Drawings and specifications and other contract instruments duly signed, stamped or sealed, as instruments of service, are the intellectual property of the firm and shall remain the property of the firm for which they are made or not. It shall be unlawful for any person to duplicate or make a copy of the drawings, specifications and other contract documents and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document s.</div>			
PQC No. 00029378		VALIDITY: 11/29/2017			
PTR No. 2872687		PLACE ISSUED: PAMP			
DATE: 01/10/17		TIN No. 139 408 790			
		CHECKED BY: <div> <b>JOHN M. SANTOS</b> EXAMINER IV</div>			
PQC No. 0125250		VALIDITY			
PTR No.: 3089821		PLACE ISSUED: BALANQA			
DATE: 01/18/17		TIN No.: 435023585			
		PROJECT TITLE :		COMMENDING APPROVAL :	
		<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		<div> <b>MYRNA V. MAGAT</b> CHIEF ADMINISTRATIVE OFFICER</div>	
		LOCATION : BATYAN GENERAL HOSPITAL		<div> <b>GLORY V. BALTAZAR, MD, MPH, MHA, CESE</b> MEDICAL CENTER CHIEF II</div>	
		BALANQA CITY, BATYAN		APPROVED BY :	
				SHEET CONTENT	
				SHEET NO.	
		<div><div>E.01</div><div>119</div></div>			

LEGEND	
2	NTS
E-01	





GROUND FLOOR  
1  
LIGHTING LAYOUT  
E-02 SCALE  
1:150 MTS

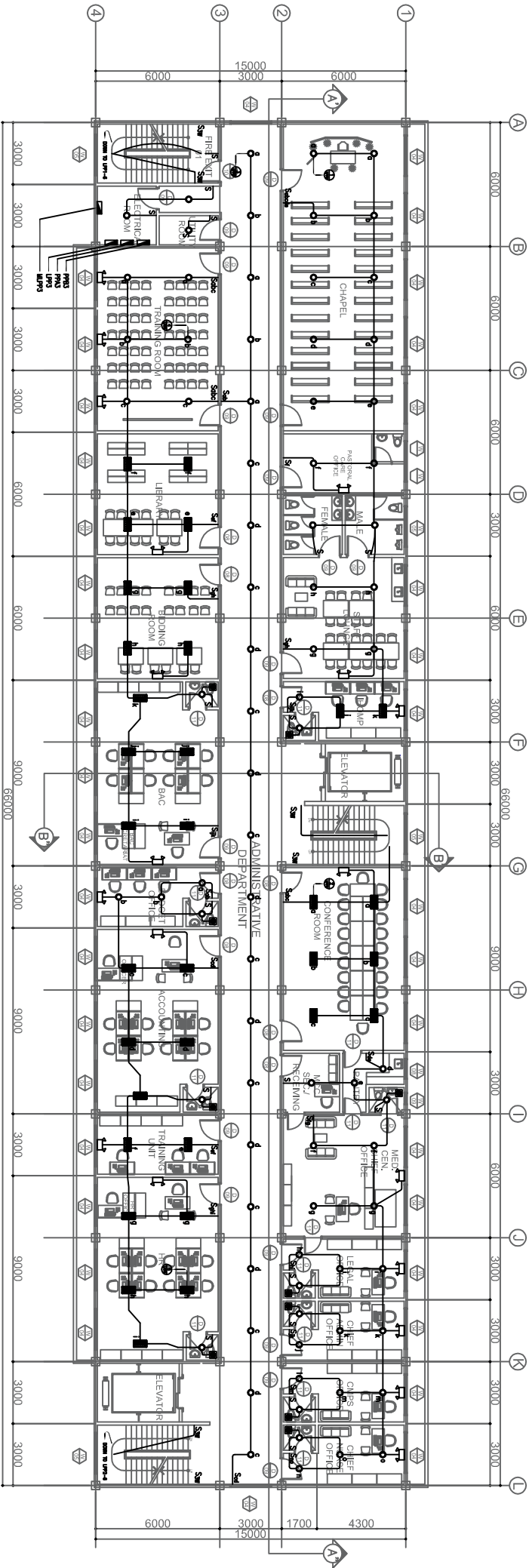


SECOND FLOOR  
2  
LIGHTING LAYOUT  
E-02 SCALE  
1:150 MTS

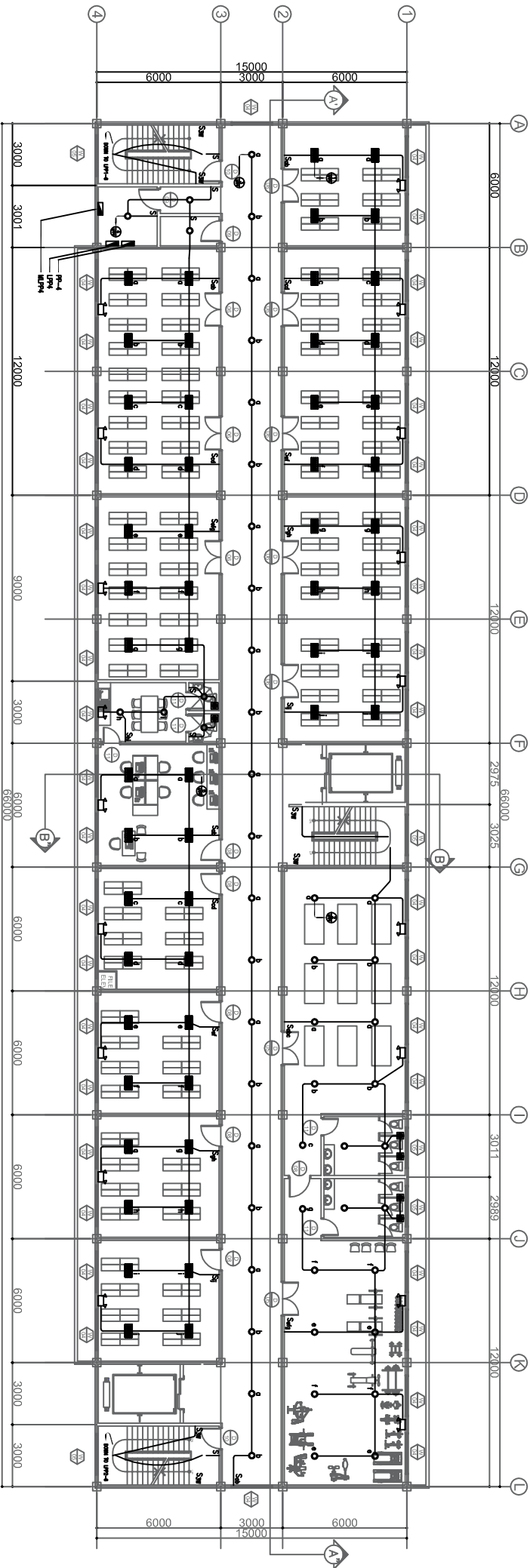


ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING LAYOUT		SHEET NO. E-02 2 19	
ORIGINAL SIGNED ALEX F. PATIO, PEE		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws and regulations, whether the said documents are the property of the architect, whether the object for which they are made is executed or not, it shall be undated for any person to duplicate or make copies thereof, in whole or in part, without the written consent of the architect or author of said document. s.		PRC No.: 01525250 PTR No.: 3058921 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		PRC No.: 0002978 PTR No.: 2872687 DATE: 01/10/17		VALIDITY 11/29/2017 PLACE ISSUED: PAMP		TIN No.: 138 408 790	

LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA



THIRD FLOOR  
1  
LIGHTING LAYOUT  
E-03  
SCALE  
1:150 MTS



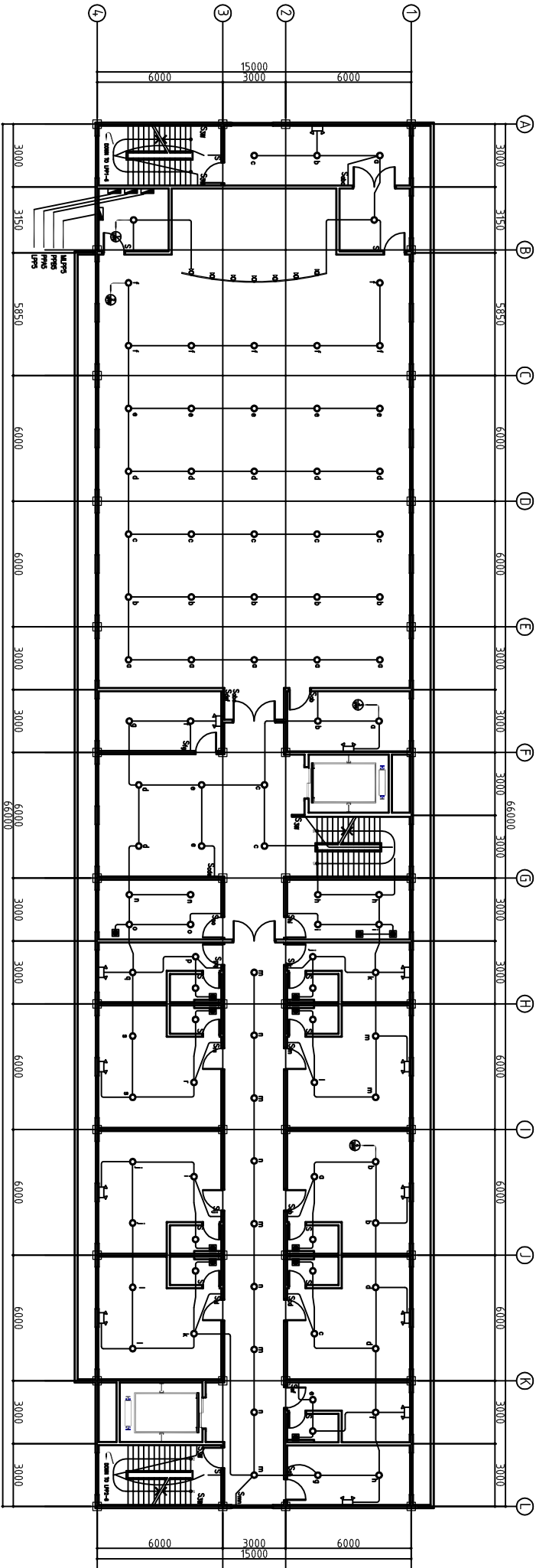
FOURTH FLOOR  
2  
LIGHTING LAYOUT  
E-03  
SCALE  
1:150 MTS



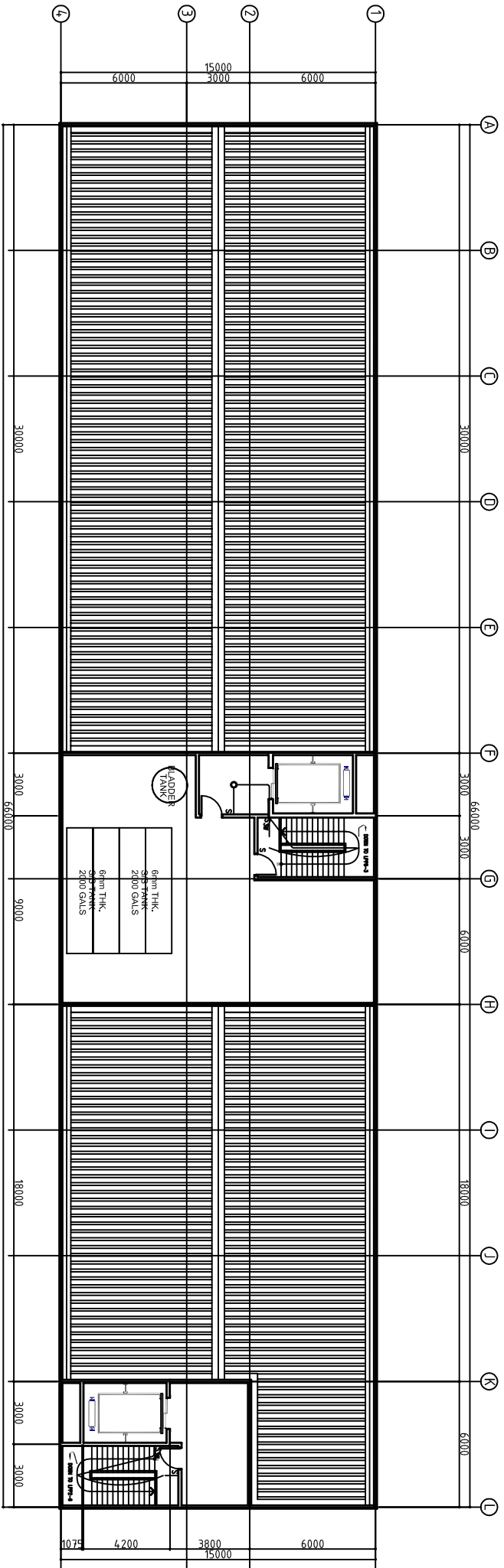
LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SHIDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY : JOHN DARRIEL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT THIRD FLOOR LIGHTING LAYOUT		SHEET NO. E.03 3 19	
ORIGINAL SIGNED ALEX F. PATIO, PEE		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies thereof, in whole or in part, without the written consent of the architect or author of said document. s.		PRC No.: 0002978 PTR No.: 2872697 DATE: 01/10/17		VALIDITY 11/29/2017 PLACE ISSUED: PAMP		PRC No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		TIN No.: 138 408 790		TIN No.: 435023585	





1  
FIFTH FLOOR  
LIGHTING LAYOUT  
E-04  
SCALE  
1:150 MTS



2  
ROOF DECK  
LIGHTING LAYOUT  
E-04  
SCALE  
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

CONSTRUCTION & TRADING

SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION

TRUCKING • EQUIPMENT RENTALS

ELECTRICAL ENGINEER

ORIGINAL SIGNED  
ALEX F. PATIO, PEE

PRC No.: 0002978  
PTR No.: 2872687

VALIDITY 11/29/2017  
PLACE ISSUED: PAMP

DATE: 01/10/17  
TIN No.: 138 408 790

RA 9266 SECTION 3

Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by law, shall be the property of the architect and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of any drawing or specification or other contract and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document.

CHECKED BY :

JOHN DARREL M. SANTOS

ENGINEER IV

PRC No.: 0125250  
PTR No.: 3058921

VALIDITY  
PLACE ISSUED: BALANGA

DATE: 01/18/17  
TIN No.: 435023585

PROJECT TITLE :

PROPOSED 5 STOREY MULTI  
SPECIALTY BUILDING

LOCATION : BATYAN GENERAL HOSPITAL  
BALANGA CITY, BATYAN

COMMENDING APPROVAL :

MYRNA V. MAGAT

CHIEF ADMINISTRATIVE OFFICER

APPROVED BY :

GLORY V. BALITZAR, MD, MPH, MHA, CESE

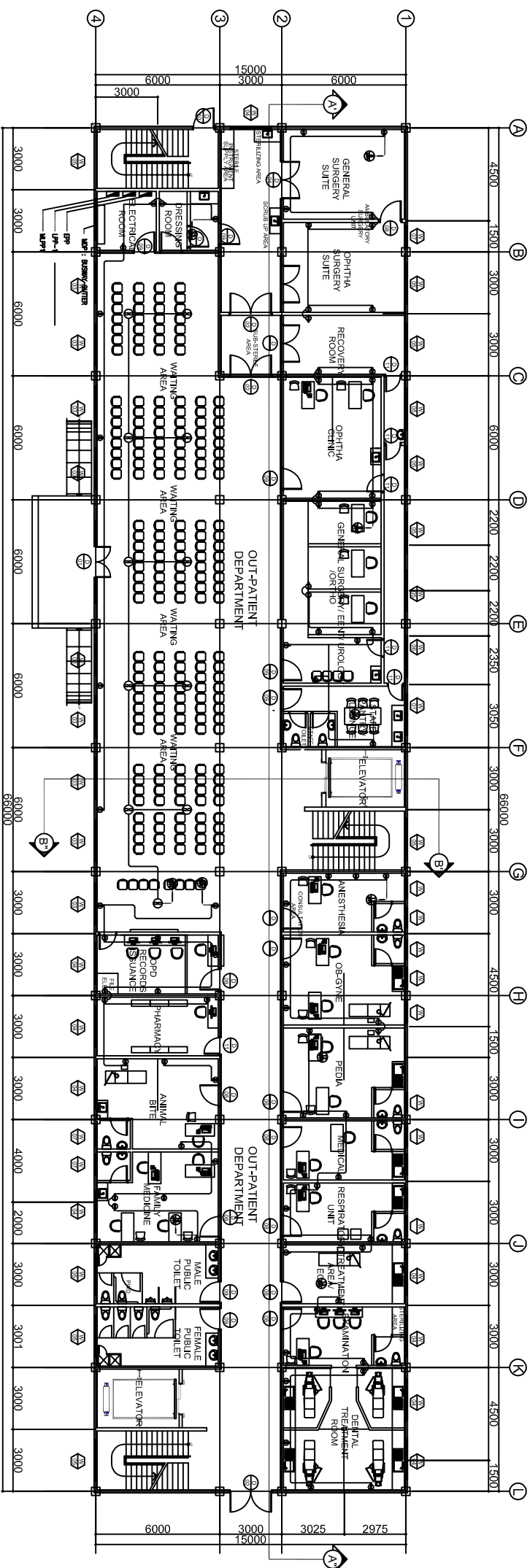
MEDICAL CENTER CHIEF

SHEET CONTENT

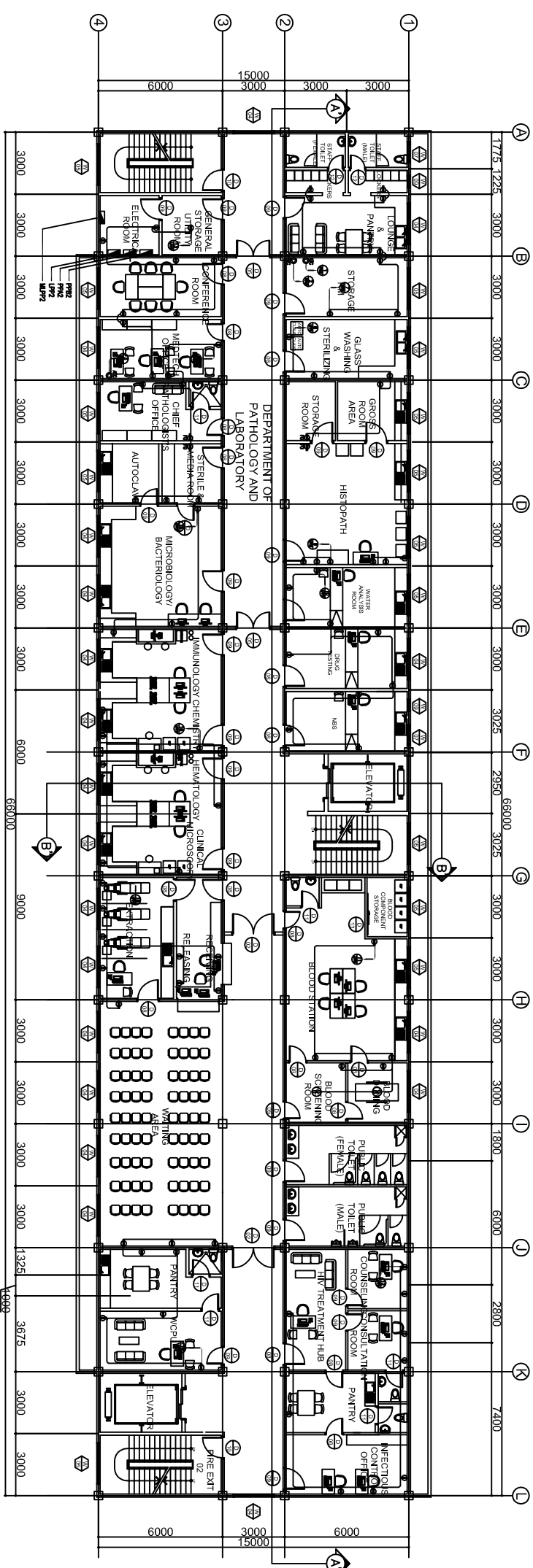
FIFTH FLOOR LIGHTING LAYOUT  
ROOF DECK LIGHTING LAYOUT

SHEET NO.




E-04  
4  
19



GROUND FLOOR  
**POWER LAYOUT**  
 1  
 E-05  
 SCALE  
 1:150 MTS

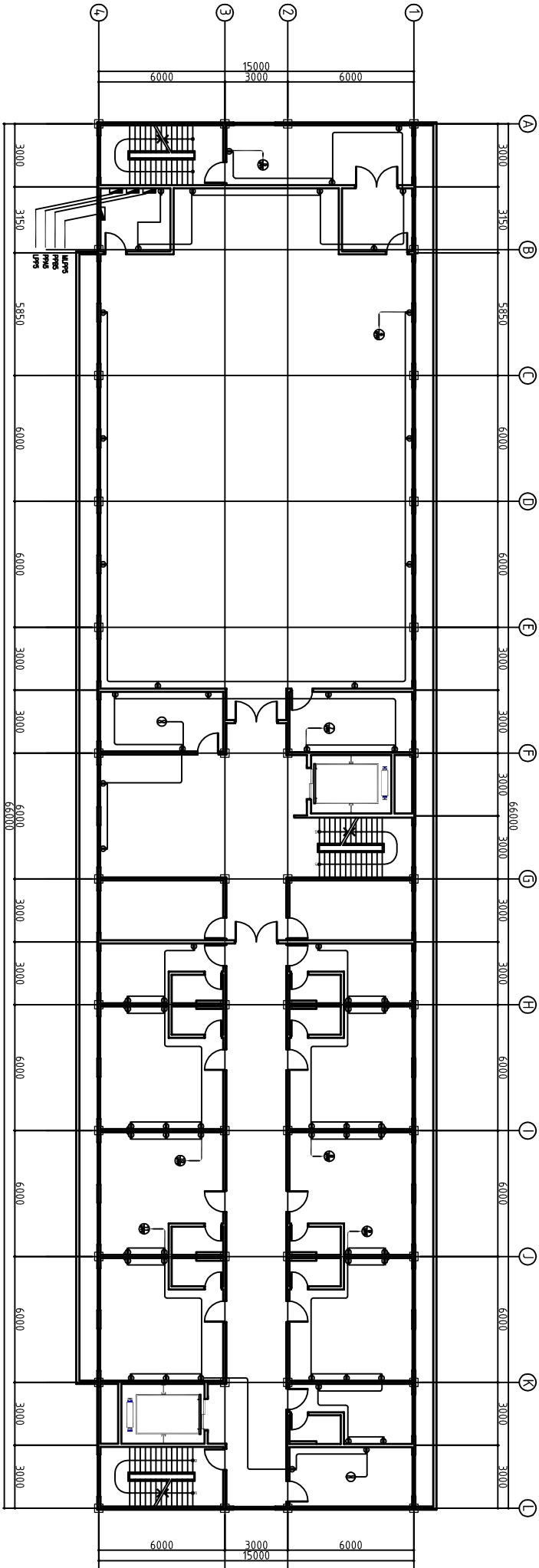


SECOND FLOOR  
**POWER LAYOUT**  
 2  
 E-05  
 SCALE 1:150 MTS

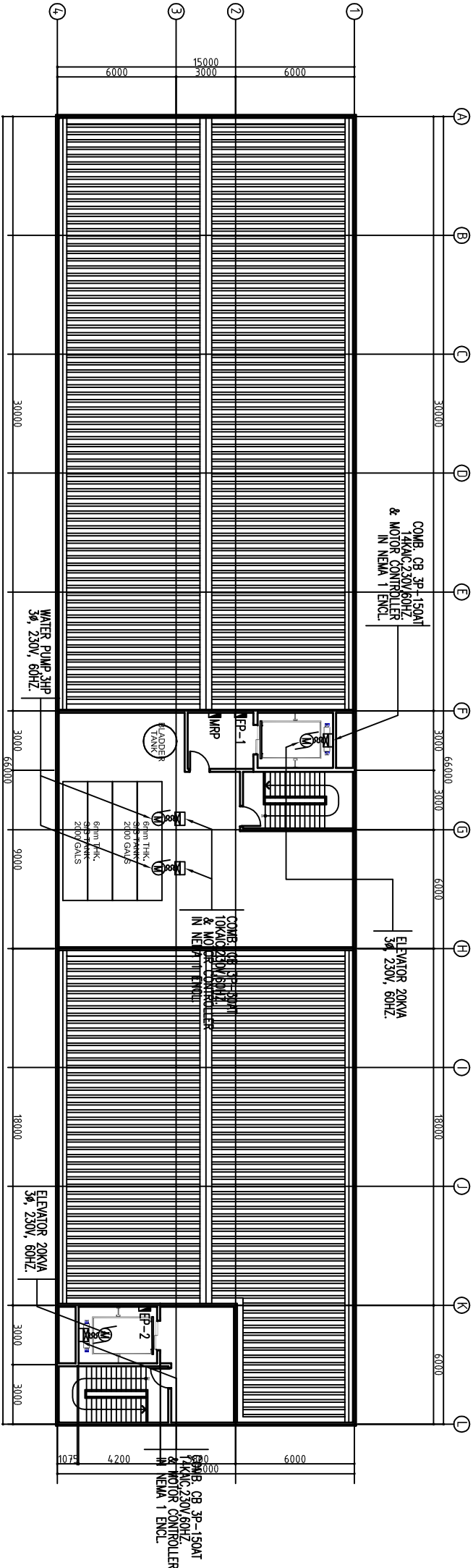
ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY :  JOHN DARREL M. SANTOS ENGINEER IV		PROJECT TITLE :  <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL :   MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY :   GLORY V. BALTAZAR, MD, MPH, MHA, CSE MEDICAL CENTER CHIEF		SHEET CONTENT GROUND FLOOR POWER LAYOUT SECOND FLOOR POWER LAYOUT		SHEET NO. <div><div>E.05</div><div>519</div></div>	
ORIGINAL SIGNED <b>ALEX F. PATIO, PEE</b>		Drawings and specifications and other contract documents duly signed, stamped or sealed, as evidence of approval and acceptance of the work for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of work. The original documents shall be retained and preserved in the office of the architect and shall be returned to the architect or author of said document.		PRC No. 0002978 VALIDITY: 11/29/2017 PTR No.: 2872687 PLACE ISSUED: PAIMP DATE: 01/10/17 TIN No.: 138 408 790		PRC No. 0125250 VALIDITY PTR No.: 3059821 PLACE ISSUED: BALANGA DATE: 01/18/17 TIN No.: 435023585		LOCATION : BATZAN GENERAL HOSPITAL BALANGA CITY, BATZAN							







1  
FIFTH FLOOR  
POWER LAYOUT  
E-07  
SCALE  
1:150 MTS

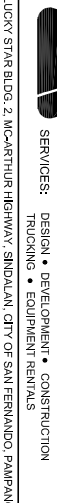


2  
ROOF DECK  
POWER LAYOUT  
E-07  
SCALE  
1:150 MTS

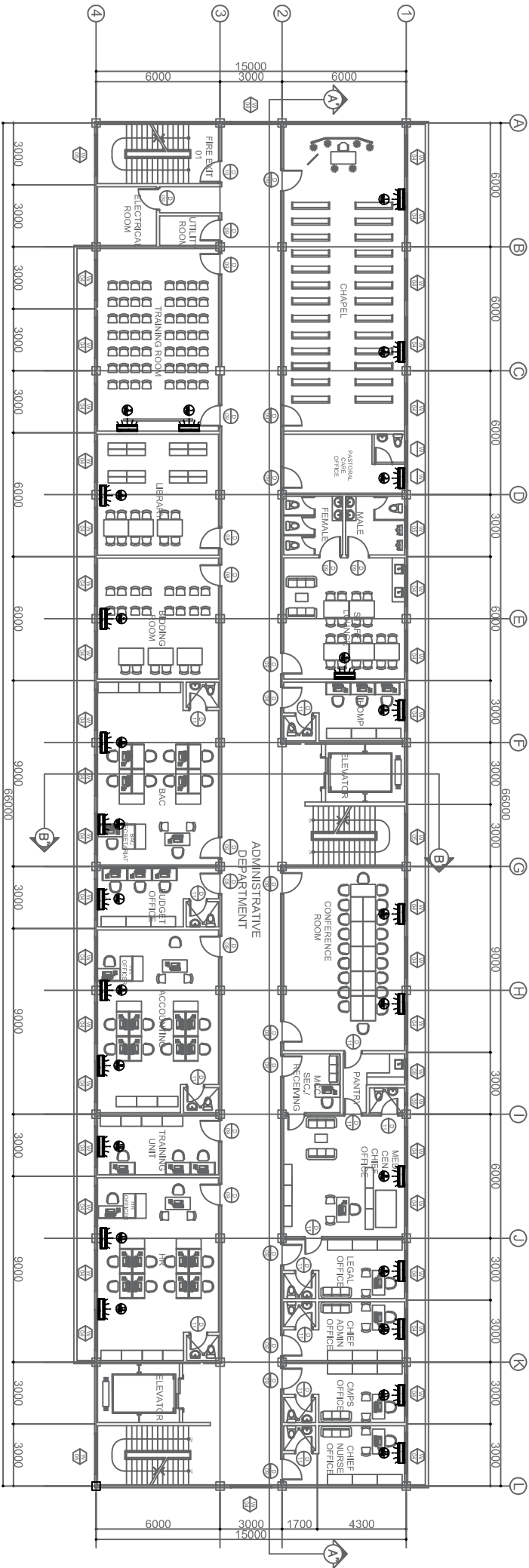


LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

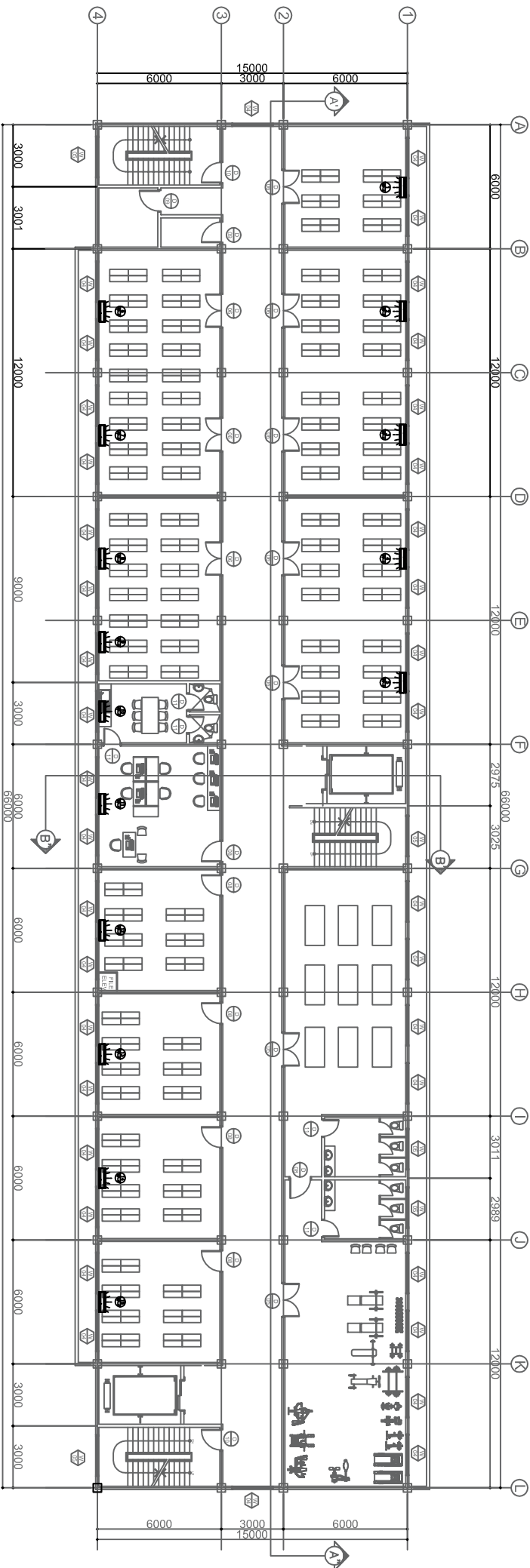
ELECTRICAL ENGINEER		RA 9256 SECTION 3		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT FIFTH FLOOR POWER LAYOUT ROOF DECK POWER LAYOUT		SHEET NO. E-07 7 19	
ORIGINAL SIGNED ALEX F. PATIO, PEE		DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, STUDY, DESIGNED, STAMPED OR SEALED, AS WELL AS ANY OTHER DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNDERTAKEN FOR ANY PERSON TO OBTAIN OR MAKE ANY COPIES OF THE SAME, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT. S.		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		DATE: 01/18/17		DATE: 01/18/17		DATE: 01/18/17		DATE: 01/18/17	
PRC No.: 0002978		VALIDITY 11/29/2017		PRC No.: 0125250		PRC No.: 3068921		PRC No.: 3068921		PRC No.: 3068921		PRC No.: 3068921	
PTR No.: 2872687		PLACE ISSUED: PAMP		VALIDITY		PLACE ISSUED: BALANGA		PLACE ISSUED: BALANGA		PLACE ISSUED: BALANGA		PLACE ISSUED: BALANGA	
DATE: 01/10/17		TIN No.: 138 408 790		DATE: 01/18/17		TIN No.: 435023585		TIN No.: 435023585		TIN No.: 435023585		TIN No.: 435023585	



ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY 1		PROJECT TITLE 1		COMMENDING APPROVAL 1		APPROVED BY 1		SHEET CONTENT		SHEET NO.	
<div>ORIGINAL SIGNED ALEX F. PATIO, PEE</div> <div>PRC No. 0029378 VALIDITY 11/29/2017 PLACE ISSUED: PAMP DATE: 01/10/17 TIN No. 138 408 7900</div>		<div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the contract, shall be submitted to the instruments of service, are the intellectual property of the engineer and shall remain his property for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of these drawings or specifications or to use them for other projects or buildings in the representation of the engineer without the written consent and privity of the whole, without the written consent of the architect or author of the document. 5.</div>		<div>JOHN DARMAS W SANTOS</div> <div>PRC No. 0125250 VALIDITY PPR No. 3068921 PLACE ISSUED: BALANGA DATE: 01/18/17 TIN No. 435023585</div>		<div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div> <div>LOCATION: BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN</div>		<div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div>		<div>GLORY V. BALTAZAR, MD, MPH, MHA, CSE HONOLULU CENTER CHIEF</div>		<div>GROUND FLOOR AIRCON LAYOUT SECOND FLOOR AIRCON LAYOUT</div>		<div>E.08 8 19</div>	



1  
THIRD FLOOR  
AIRCON LAYOUT  
E-09  
SCALE  
1:150 MTS



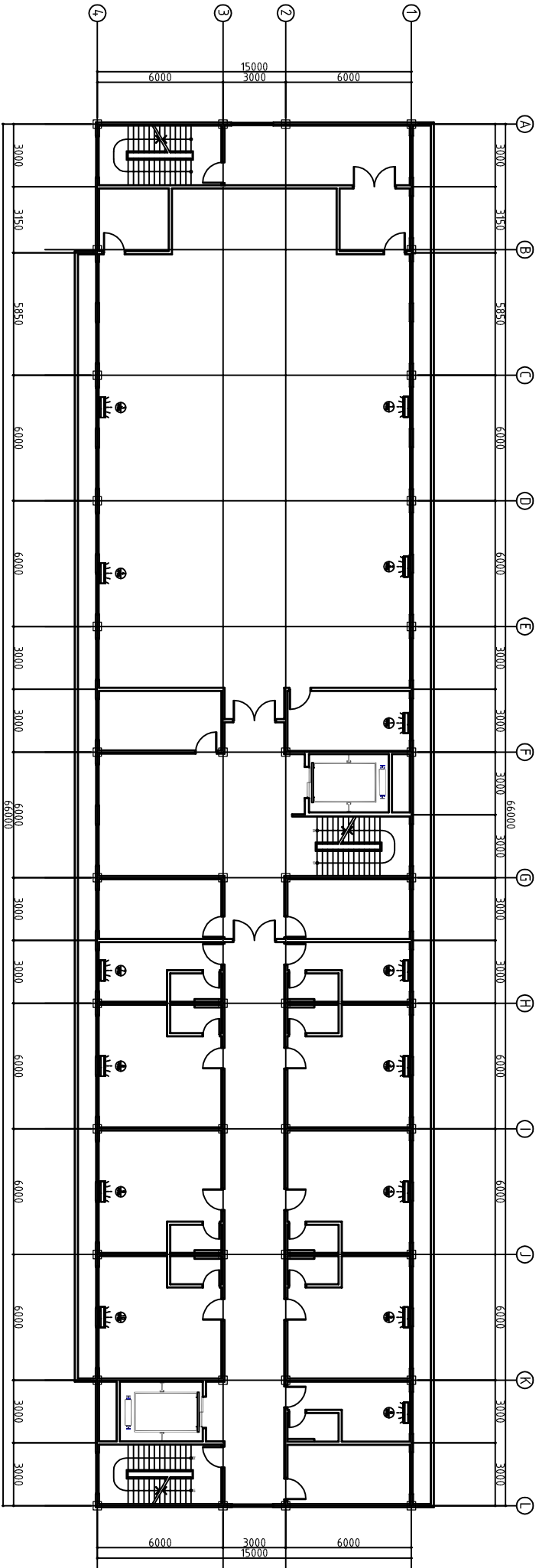
2  
FOURTH FLOOR  
AIRCON LAYOUT  
E-09  
SCALE  
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER		RA 9256 SECTION 3		PROJECT TITLE : <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>		COMMENDING APPROVAL : <div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div>		APPROVED BY : <div>GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div>		SHEET CONTENT THIRD FLOOR AIRCON LAYOUT FOURTH FLOOR AIRCON LAYOUT		SHEET NO. <div>E.09 9 19</div>	
<div>ORIGINAL SIGNED ALEX F. PATIO, PEE</div>		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies of the same, or to use the same for any other projects or buildings, whether executed or not, without the written consent of the architect or author of said document. s.		CHECKED BY : <div>JOHN DARREL M. SANTOS ENGINEER IV</div>		VALIDITY		PRC No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		PRC No.: 0002978 VALIDITY 11/29/2017 PTR No.: 2872687 DATE: 01/10/17		PRC No.: 138 408 790 PLACE ISSUED: PAMP	





1  
FIFTH FLOOR  
AIRCON LAYOUT  
E:10  
SCALE  
1:150 MTS

ENCLOSURE: NEMA 1 MOUNTING: SEMI-RECESSED FED FROM: MLP-5										SYSTEM: THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND		
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE			AMPERES			CIRCUIT BREAKER			CONDUIT
			AB	BC	CA	ABC	AT	AF	P	PHASE	WIRE (min2) THIN	
1	1HP ACU	16 231	230			42.00	100	100	3	3-30	1-4.0	40mm <sup>2</sup> PVC
2	1HP ACU	16 231	230			42.00	100	100	3	3-30	1-4.0	40mm <sup>2</sup> PVC
3	2HP ACU	16 231	230			42.00	100	100	3	3-30	1-4.0	40mm <sup>2</sup> PVC
4	2HP ACU	16 231	230			42.00	100	100	3	3-30	1-4.0	40mm <sup>2</sup> PVC
5	SPARE	1 500	230			6.52	30	100	2			
6	SPARE	1 500	230			6.52	30	100	2			
TOTAL		69 924	230	6.52	6.52	180.00						
I = [(6.52 X 1.732) + 180.00 + (0.25 X 42)] 80 % = 151.83 A												
MIN. 200FT 100% 3P 200V MC28 FEEDER: 3-12mm <sup>2</sup> THIN GROUND: 1-16mm <sup>2</sup> THIN CONDUIT: 75mm <sup>2</sup> PVC												





ENCLOSURE: NEMA 1 MOUNTING: SEMI-RECESSED FED FROM: MLP-5										SYSTEM: THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND		
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE			AMPERES			CIRCUIT BREAKER			CONDUIT
			AB	BC	CA	ABC	AT	AF	P	PHASE	WIRE (min2) THIN	
1	1HP ACU	1 840	230	8.00		20.00	30	100	2	2-3.5	1-3.5	20mm <sup>2</sup> PVC
2	1HP ACU	1 840	230	8.00		20.00	30	100	2	2-3.5	1-3.5	20mm <sup>2</sup> PVC
3	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
4	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
5	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
6	1HP ACU	1 840	230	8.00		20.00	30	100	2	2-3.5	1-3.5	20mm <sup>2</sup> PVC
7	1HP ACU	1 840	230	8.00		20.00	30	100	2	2-3.5	1-3.5	20mm <sup>2</sup> PVC
8	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
9	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
10	2HP ACU	2 760	230	12.00		30.00	30	100	2	2-4.5	1-3.5	20mm <sup>2</sup> PVC
11	SPARE	1 500	230			6.52	30	100	2			
12	SPARE	1 500	230			6.52	30	100	2			
TOTAL		22 200	230	40.00	38.52	38.52						
I = [(40.00 X 1.732) + (0.25 X 12)] 80 % = 57.80 A												
MIN. 50FT 100% 3P 230V MC28 FEEDER: 3-12mm <sup>2</sup> THIN GROUND: 1-6.0mm <sup>2</sup> THIN CONDUIT: 40mm <sup>2</sup> PVC												

ENCLOSURE: NEMA 1 MOUNTING: SEMI-RECESSED FED FROM: MLP										SYSTEM: THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND		
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE			AMPERES			CIRCUIT BREAKER			CONDUIT
			AB	BC	CA	ABC	AT	AF	P	PHASE	WIRE (min2) THIN	
1	ELEVATOR	20.00	230			50.20	150	225	3	3-50	1-14	45mm <sup>2</sup> PVC
2	SPARE	---	230									
3	ELEVATOR LIGHTING	0.50	230						20	50	2	2-3.5
4	SPARE	---	230						20	50	2	2-3.5
5	LIFTING & C.O.	0.50	230						20	50	2	2-3.5
6	SPARE	---	230						20	50	2	2-3.5
7	SMART LIGHTING	0.50	230						20	50	2	2-3.5
8	SPARE	---	230						20	50	2	2-3.5
TOTAL		21 500	230	2.17	2.17	50.20						
I = [(2.17 X 1.732) + 50.20 + (0.25)(50.20)] 80 % = 46.51 A												
MIN. 150FT 225% 3P 230V MC28 FEEDER: 3-6.0mm <sup>2</sup> THIN/75MM-2 GROUND: 1-16mm <sup>2</sup> THIN CONDUIT: 45mm <sup>2</sup> PVC												

2  
E:10  
SCHEDULE OF LOADS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SHIDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY: 		PROJECT TITLE: <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL: 		APPROVED BY: 		SHEET CONTENT: FIFTH FLOOR AIRCON LAYOUT SCHEDULE OF LOADS		SHEET NO. 			
<div>ORIGINAL SIGNED <b>ALEX F. PATIO, PEE</b></div>		<div>Drawings and specifications and other contract instruments duly signed, stamped or sealed, as required by the rules and regulations of the Board of Electrical Engineering, are the intellectual property of the undersigned and shall remain his/her property for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of the drawings, specifications and other contract instruments and for other projects or buildings, whether executed partly or in whole, without the written consent of the undersigned or without of said document. 5.</div>		<div>JOHN A. SANTOS ELECTRICAL ENGINEER IV</div>		<div>PRG No.: 0125250 VALIDITY PTR No.: 3058921 PLACE ISSUED: BALANGA DATE: 01/18/17 TIN No.: 435023585</div>		<div>LOCATION: BATMAN GENERAL HOSPITAL BALANGA CITY, BATYAN</div>		<div>MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER</div>		<div>GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div>					
PRG No.: 0002978 VALIDITY: 11/29/2017 PTR No.: 2872687 PLACE ISSUED: PAMP DATE: 01/10/17 TIN No.: 138 408 790																	

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE			
MOUNTING: SEMI-RECESSED										230 VOLTS, 60HZ			
FED FROM: MDP										3 WIRE + GROUND			
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES			CIRCUIT BREAKERS			WIRE (mm2)	THHN	CONDUIT	
				AB	BC	CA	AGE	AT	AF				P
1	MDP-1	76 600	230	117.05	114.09	118.14		225	225	3	3-100	-1-22	25mm <sup>2</sup> 6PVC
2	MDP-2	181 997	230	127.16	127.56	118.13	240.00	300	400	3	5-125	-1-22	25mm <sup>2</sup> 6PVC
3	MDP-3	108 429	230	138.42	129.55	131.86		250	400	3	5-125	-1-12	25mm <sup>2</sup> 6PVC
4	MDP-4	71 800	230	108.29	101.60	104.64		200	225	3	3-50	-1-10	100mm <sup>2</sup> 6PVC
5	MDP-5	81 800	230	127.28	79.43	79.65	108.00	400	400	3	5-250	-1-10	100mm <sup>2</sup> 6PVC
6	MDP-6	50 048	230	43.4	43.4	111.60	250	400	3	5-125	-1-22	25mm <sup>2</sup> 6PVC	
7	SHINE	-----	230										
8	SHINE	-----	230										
9	SHINE	-----	230										
10	SHINE	-----	230										
TOTAL		564 645	230	570.52	568.57	553.58	527.61						

I = [(76.63 x 1.732) + 527.60 + (0.2581200)] (90) % = 1 222.65 A

WIRE: 100M<sup>2</sup> 250V 3P 230V AC/3S  
FEEDER: 3-250mm<sup>2</sup> THHN/THH-2  
GROUND: 1-250mm<sup>2</sup> THH in  
CONDUIT: 100mm<sup>2</sup> PVC 4 SETS

TRANSFORMER SIZING:

=  $\frac{564\,645}{1000 \times 1.44 \text{ DV. FACTOR}}$

= 313.70 KVA

USE: 2 - 168 KVA 3#, 13.8V(PRI), 230V(SEC.), 60HZ  
OIL IMMERSSED

GENERATOR SIZING:

=  $\frac{564\,645}{1000 \times 1.12}$

= 504.15 KVA

USE: 500 KVA 3#, 230V, 60HZ  
SILENT TYPE

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LP1	31 790	230	51.05	48.00	47.82		110	225	3	3-50
2	LP-1	37 280	230	56.00	50.00	50.00		125	225	3	3-50
3	LP2	7 600	230	10.00	10.00	12.82		50	100	3	3-60
4	SHINE	---	230								
TOTAL		76 600	230	117.05	114.09	118.14					

I = [(118.14 x 1.732) + (0.2581200)] (90) % = 188.10 A

WIRE: 250FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-100mm<sup>2</sup> THHN/THH-2  
GROUND: 1-250mm<sup>2</sup> THH in  
CONDUIT: 25mm<sup>2</sup> PVC

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LP2	31 670	230	46.12	48.00	43.57		110	225	3	3-50
2	LP2	32 000	230	49.04	49.04	49.04		110	225	3	3-50
3	LP2	22 200	230	32.00	34.52	30.52		80	100	3	3-50
4	CT SHM	31 609	230					80.03	100	3	3-50
5	WIR	31 609	230					80.03	100	3	3-50
6	3-4W	31 609	230					80.03	100	3	3-50
7	SHINE	---	230								
8	SHINE	---	230								
TOTAL		181 997	230	127.16	127.56	118.13	240.00				

I = [(127.28 x 1.732) + 240 + (0.2581200)] (90) % = 271.9 A

WIRE: 500FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-150mm<sup>2</sup> THHN/THH-2  
GROUND: 1-250mm<sup>2</sup> THH in  
CONDUIT: 25mm<sup>2</sup> PVC 2 SETS

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LP3	31 600	230	50.42	42.51	44.64		110	225	3	3-50
2	LP3	30 600	230	44.00	44.52	44.52		100	225	3	3-50
3	LP3	29 600	230	44.00	42.52	42.52		100	100	3	3-50
4	SHINE	---	230					100	3		
5	SHINE	---	230					100	3		
6	SHINE	---	230					100	3		
TOTAL		91 800	230	138.42	129.55	131.86					

I = [(138.42 x 1.732) + (0.2581200)] (90) % = 194.20 A

WIRE: 500FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-150mm<sup>2</sup> THHN/THH-2  
GROUND: 1-250mm<sup>2</sup> THH in  
CONDUIT: 25mm<sup>2</sup> PVC

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LP4	25 800	230	39.77	30.08	30.12		90	100	3	3-50
2	LP4	45 800	230	68.52	68.52	68.52		150	225	3	3-50
3	SHINE	---	230					100	3		
4	SHINE	---	230					100	3		
TOTAL		71 600	230	108.29	101.60	104.64					

I = [(108.29 x 1.732) + (0.2581200)] (90) % = 148.70 A

WIRE: 200FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-100mm<sup>2</sup> THHN/THH-2  
GROUND: 1-100mm<sup>2</sup> THH in  
CONDUIT: 25mm<sup>2</sup> PVC

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LP5	31 600	230	57.28	45.23	30.12		100	100	3	3-125
2	LP5	48 600	230	82.53	82.53	168.00		200	100	3	5-125
3	LP5	22 200	230	42.00	39.52	39.52		90	100	3	3-50
4	SHINE	---	230					100	3		
5	SHINE	---	230					100	3		
6	SHINE	---	230					100	3		
TOTAL		91 800	230	77.28	76.43	76.65	168.00				

I = [(76.43 x 1.732) + 168 + (0.2581200)] (90) % = 262.86 A

WIRE: 400FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-150mm<sup>2</sup> THHN/THH-2  
GROUND: 1-250mm<sup>2</sup> THH in  
CONDUIT: 100mm<sup>2</sup> PVC

ENCLOSURE: NEUA MOUNTING: SEMI-RECESSED FED FROM: MDP										MRP		SYSTEM: THREE PHASE 220 VOLTS, 60HZ 3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES			CIRCUIT BREAKER			WIRE (mm <sup>2</sup> ) THHN	CONDUIT		
				AB	BC	CA	AGE	AT	AF	P <td></td>			
1	E-1	21 500	230	2.17	2.17	50.20	50	225	3	3-50	Standard PVC		
2	E-2	21 500	230	2.17	2.17	50.20	50	225	3	3-50	Standard PVC		
3	WIRER RAMP	3 624	230				8.60	30	100	3	1-15		
4	WIRER RAMP	3 624	230				8.60	30	100	3	3-5.5		
5	SHINE	---	230								1-1.5		
6	SHINE	---	230								Standard PVC		
TOTAL		50 648	230	4.34	4.34	118.60		100					

I = [(77.28 x 1.732) + 118.60 + (0.2581200)] (90) % = 129.80 A

WIRE: 500FT 250M<sup>2</sup> 3P 220V AC/3S  
FEEDER: 3-150mm<sup>2</sup> THHN/THH-2  
GROUND: 1-25mm<sup>2</sup> TH in  
CONDUIT: 25mm<sup>2</sup> PVC

2

E-11

SCHEDULE OF LOADS

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	
FED FROM: MDP-1										3 WIRE + GROUND	
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/PHASE	AMPERES	AB	BC	CA	AGE	AT	AF	CONDUIT
1	LIGHTING	2 300	230					20	100	2	2-3.5
2	LIGHTING	2 200	230	10.00				20	100	2	2-3.5
3	LIGHTING	1 900	230	8.26				20	100	2	2-3.5
4	LIGHTING	1 500	230	6.51				20	100	2	2-3.5
5	LIGHTING	1 400	230	6.09				20	100	2	2-3.5
6	LIGHTING	1 500	230	6.52				20	100	2	2-3.5
7	DL LIGHTS	1 000	230					20	100	2	2-3.5
8	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
9	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
10	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
11	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
12	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
13	CONDUITANCE OUTLET	1 400	230	6.26				20	100	2	2-3.5
14	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
15	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
16	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
17	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
18	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
19	CONDUITANCE OUTLET	1 800	230	7.83				20	100	2	2-3.5
20	SHINE	1 500	230	6.52				20	100	2	
TOTAL		31 700	230	51.05	48.00	47.82					

I = (91.05 x 1.732) 80 % = 121.4 A

WIRE: 110FT 250M<sup>2</sup> 3P 230V AC/3S  
FEEDER: 3-25mm<sup>2</sup> THHN  
GROUND: 1-25mm<sup>2</sup> THH in  
CONDUIT: 25mm<sup>2</sup> PVC

ENCLOSURE: NEUA 1										SYSTEM: THREE PHASE	
MOUNTING: SEMI-RECESSED										220 VOLTS, 60HZ	

LPp4										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	LIGHTING	2 250	230	9.78				30	100	2-3-5 20mm² dFNC
2	LIGHTING	1 600	230	6.96				20	100	2-3-5 1-3.5 20mm² dFNC
3	LIGHTING	1 100	230	4.78				20	100	2-3-5 1-3.5 20mm² dFNC
4	LIGHTING	2 050	230	8.91				20	100	2-3-5 1-3.5 20mm² dFNC
5	LIGHTING	2 250	230	9.78				20	100	2-3-5 1-3.5 20mm² dFNC
6	COMMENCEMENT OUTLET	1 200	230	5.48				20	100	2-3-5 1-3.5 20mm² dFNC
7	COMMENCEMENT OUTLET	1 620	230	7.04				20	100	2-3-5 1-3.5 20mm² dFNC
8	COMMENCEMENT OUTLET	1 800	230	7.84				20	100	2-3-5 1-3.5 20mm² dFNC
9	COMMENCEMENT OUTLET	1 440	230	6.26				20	100	2-3-5 1-3.5 20mm² dFNC
10	COMMENCEMENT OUTLET	1 440	230	6.26				20	100	2-3-5 1-3.5 20mm² dFNC
11	COMMENCEMENT OUTLET	1 440	230	6.26				20	100	2-3-5 1-3.5 20mm² dFNC
12	COMMENCEMENT OUTLET	1 440	230	6.26				20	100	2-3-5 1-3.5 20mm² dFNC
13	CEILING FAN	1 400	230	6.08				30	100	2-3-5 20mm² dFNC
14	SPWNE	1 500	230	6.52				30	100	2
15	SPWNE	1 500	230	6.52				30	100	2
16	SPWNE	1 500	230	6.52				30	100	2
TOTAL		25 800	230	38.77	35.08	38.12				
I = (38.77 X 1.732) X 80 % = 55.11 A										
MKN: 800T 100AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 40mm² PVC										

LPp5										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	LIGHTING	1 700	230	7.39				30	100	2-3-5 1-3.5 20mm² dFNC
2	LIGHTING	1 550	230	6.74				30	100	2-3-5 1-3.5 20mm² dFNC
3	LIGHTING	2 500	230	10.80				30	100	2-3-5 1-3.5 20mm² dFNC
4	LIGHTING	1 800	230	8.48				30	100	2-3-5 1-3.5 20mm² dFNC
5	COMMENCEMENT OUTLET	1 200	230	5.48				30	100	2-3-5 1-3.5 20mm² dFNC
6	COMMENCEMENT OUTLET	1 440	230	6.26				30	100	2-3-5 1-3.5 20mm² dFNC
7	COMMENCEMENT OUTLET	1 440	230	6.26				30	100	2-3-5 1-3.5 20mm² dFNC
8	COMMENCEMENT OUTLET	1 440	230	6.26				30	100	2-3-5 1-3.5 20mm² dFNC
9	COMMENCEMENT OUTLET	1 800	230	7.84				30	100	2-3-5 1-3.5 20mm² dFNC
10	COMMENCEMENT OUTLET	1 800	230	7.84				30	100	2-3-5 1-3.5 20mm² dFNC
11	COMMENCEMENT OUTLET	1 800	230	7.84				30	100	2-3-5 1-3.5 20mm² dFNC
12	SPWNE	1 500	230	6.52				30	100	2
13	SPWNE	1 500	230	6.52				30	100	2
14	SPWNE	1 500	230	6.52				30	100	2
TOTAL		23 180	230	37.28	34.38	36.61				
I = (37.28 X 1.732) X 80 % = 51.63 A										
MKN: 800T 100AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 40mm² PVC										

EPP										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	1.5HP SLIP PUMP	2 300	230	10.00				30	100	2-3-5 1-3.5 20mm² dFNC
2	1.5HP SLIP PUMP	2 300	230	10.00				30	100	2-3-5 1-3.5 20mm² dFNC
3	1.5HP SLIP PUMP	2 300	230	10.00				30	100	2-3-5 1-3.5 20mm² dFNC
4	SPWNE	7 600	230	33.00	30.42	32.42				
TOTAL		14 500	230	63.00	56.84	60.84				
I = [(63.00 X 1.732) + (0.25 X 10)] X 80 % = 19.75 A										
MKN: 500T 100AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 30mm² PVC										

PPA2										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	AUTOCALINE	1 500	230	6.52				30	100	2-3-5 1-3.5 20mm² dFNC
2	AUTOCALINE	1 500	230	6.52				30	100	2-3-5 1-3.5 20mm² dFNC
3	AUTOCALINE	1 500	230	6.52				30	100	2-3-5 1-3.5 20mm² dFNC
4	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
5	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
6	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
7	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
8	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
9	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
10	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
11	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
12	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
13	HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
14	SPWNE	1 500	230	6.52				30	100	2
15	SPWNE	1 500	230	6.52				30	100	2
16	SPWNE	1 500	230	6.52				30	100	2
TOTAL		32 000	230	138.40	124.44	134.44				
I = [(138.40 X 1.732) + (0.25 X 10)] X 80 % = 70.35 A										
MKN: 100T 250AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 40mm² PVC										

PPB2										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
2	HP ACU	1 700	230	7.39				30	100	2-3-5 1-3.5 20mm² dFNC
3	HP ACU	1 700	230	7.39				30	100	2-3-5 1-3.5 20mm² dFNC
4	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
5	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
6	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
7	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
8	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
9	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
10	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
11	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
12	SPWNE	1 500	230	6.52				30	100	2
TOTAL		22 320	230	97.00	86.44	93.44				
I = [(97.00 X 1.732) + (0.25 X 10)] X 80 % = 50.23 A										
MKN: 800T 100AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 40mm² PVC										

2

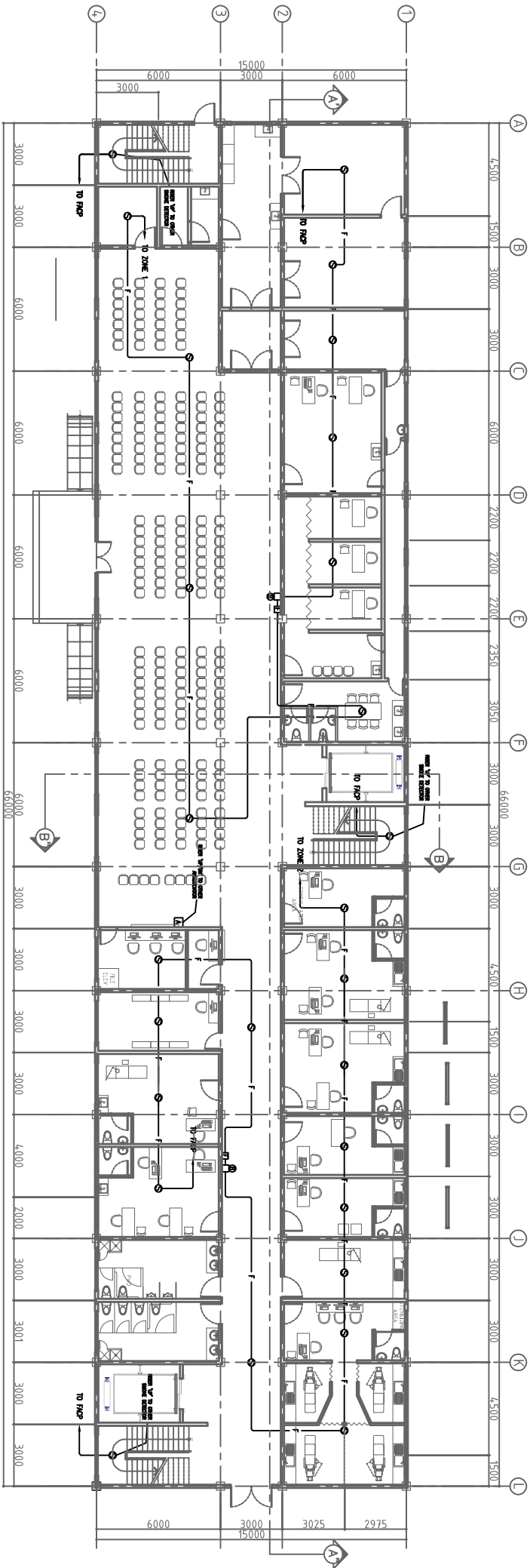
SCHEDULE OF LOADS

E-12

PPA3										SISTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND
CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERE	BC	CA	ABC	AT	AF	PHASE ØØØ
1	2HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
2	2HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
3	2HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
4	2HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
5	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
6	HP ACU	2 300	230	10.00				30	100	2-3-5 1-3.5 20mm² dFNC
7	1.5HP ACU	2 300	230	10.00				30	100	2-3-5 1-3.5 20mm² dFNC
8	2HP ACU	2 760	230	12.00				30	100	2-3-5 1-3.5 20mm² dFNC
9	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
10	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
11	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
12	HP ACU	1 840	230	8.00				30	100	2-3-5 1-3.5 20mm² dFNC
13	SPWNE	1 500	230	6.52				30	100	2
14	SPWNE	1 500	230	6.52				30	100	2
TOTAL		30 800	230	134.00	119.44	129.44				
I = [(134.00 X 1.732) + (0.25 X 10)] X 80 % = 84.10 A										
MKN: 100T 100AF 3P 230V MCB3 FEEDER: 3-50mm² THHN GROUND: 1-40mm² TW 1" h CONDUIT: 40mm² PVC										

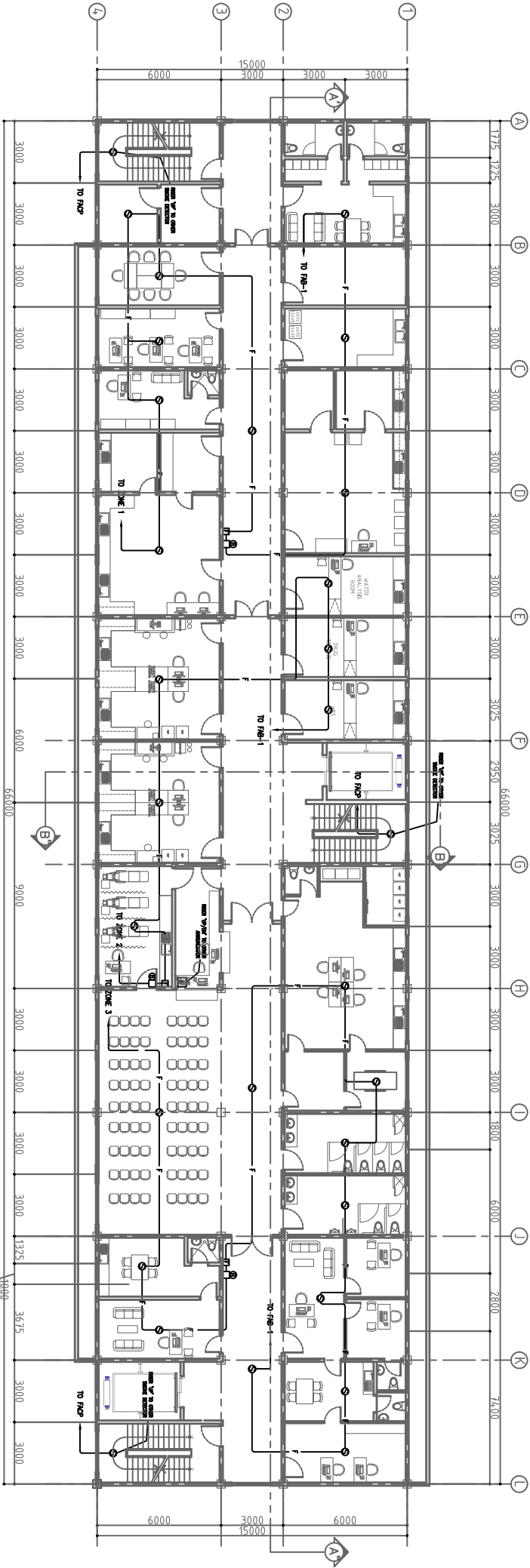
PPB3										SYSTEM THREE PHASE 230 VOLTS, 60HZ 3 WIRE + GROUND				
ENCLOSURE: NEMA 1 MOUNTING: SEMI-RECESSED FED FROM: MLP-3	CIRCUIT NO.	LOAD DESCRIPTION	VA	VOLTS/ PHASE	AMPERES	BC	CA	ABC	AT	AF	P	PHASE	ØØØ	CONDUIT
	1	1HP ACU	1 840	230					30	100	2	2-3-5	1-3.5	20mm² dFNC
	2	1HP ACU	1 840	230	8.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	3	2HP ACU	2 760	230	12.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	4	2HP ACU	2 760	230	12.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	5	1.5HP ACU	2 300	230					30	100	2	2-3-5	1-3.5	20mm² dFNC
	6	1.5HP ACU	2 300	230					30	100	2	2-3-5	1-3.5	20mm² dFNC
	7	1HP ACU	1 840	230	8.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	8	1.5HP ACU	2 300	230	10.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	9	1.5HP ACU	2 300	230	10.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	10	1HP ACU	1 840	230				8.00			2	2-3-5	1-3.5	20mm² dFNC
	11	1.5HP ACU	2 300	230	10.00				30	100	2	2-3-5	1-3.5	20mm² dFNC
	12	1.5HP ACU	2 300	230				10.00			2	2-3-5	1-3.5	20mm² dFNC
	13	1HP ACU	1 840	230				8.00			2			
	14	3PH SWGR	1 800	230				6.92			2			
		TOTAL	29 880	230				44.00	42.92	42.92				





GROUND FLOOR  
1  
FIRE DETECTION ALARM LAYOUT  
E:13  
SCALE

1:150 MTS



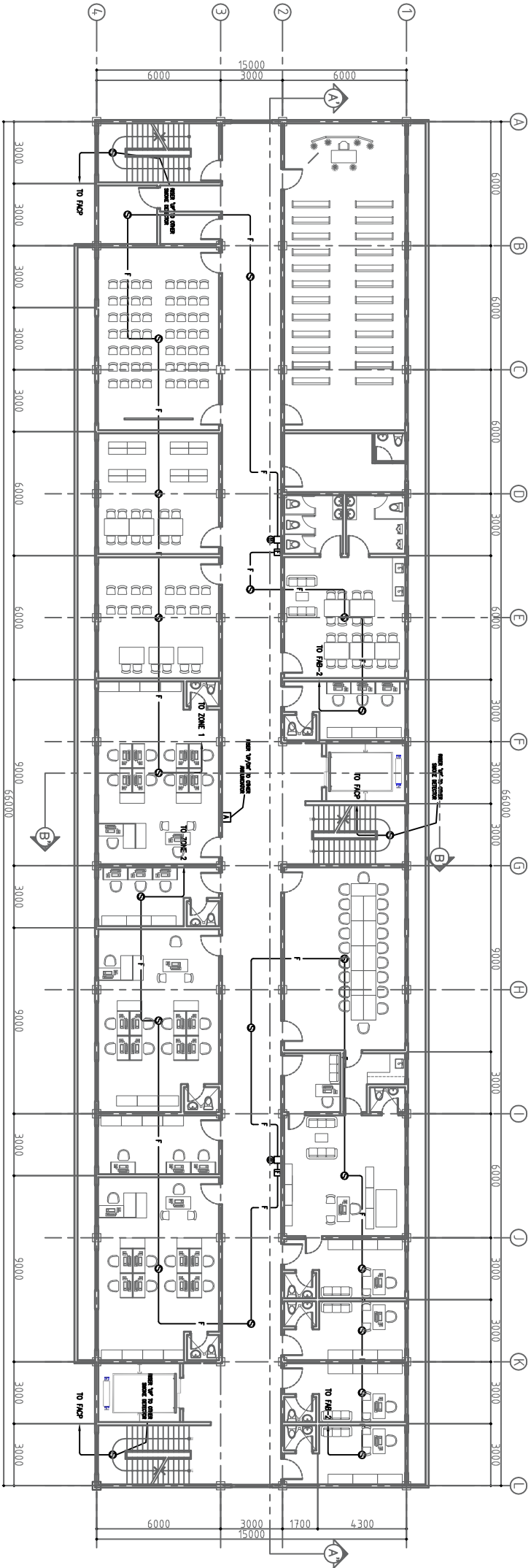
SECOND FLOOR  
2  
FIRE DETECTION ALARM LAYOUT  
E:13  
SCALE

1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

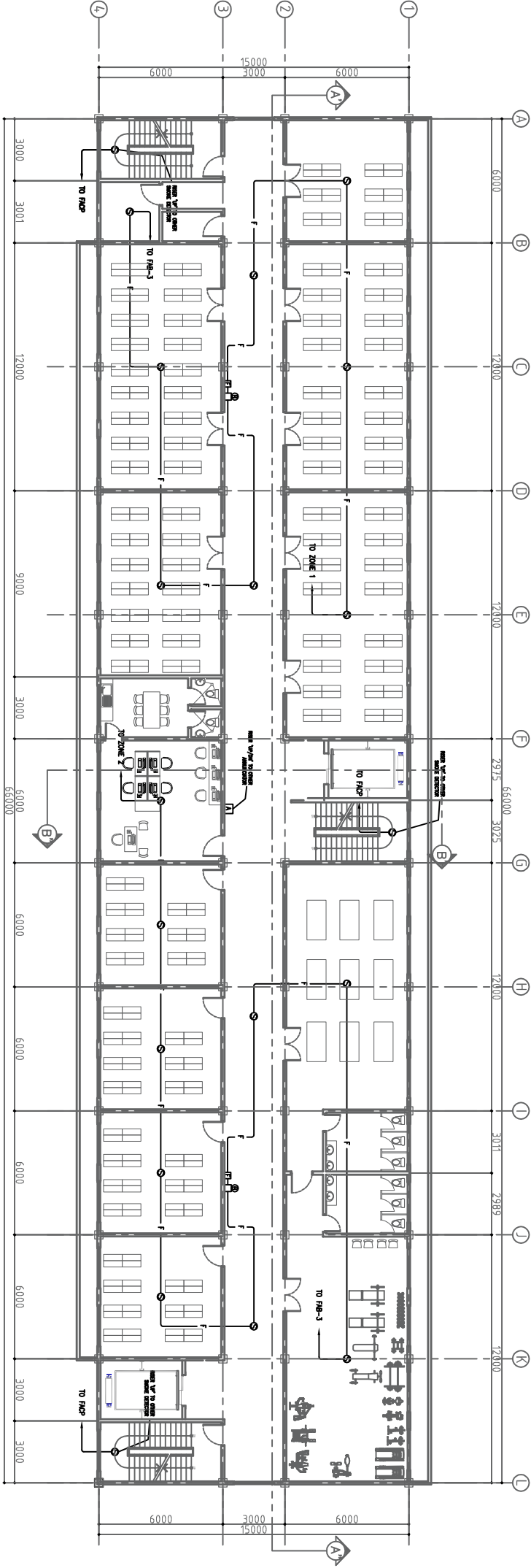
ELECTRICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY : JOHN DANIEL W. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT GROUND FLOOR FIRE DETECTION SECOND FLOOR FIRE DETECTION ALARM LAYOUT		SHEET NO. E.13 13 19	
ORIGINAL SIGNED ALEX F. PATIO, PEE		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be undated for any person to duplicate or make copies thereof, without the written consent of the architect or author of said document.		PRC No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA TIN No.: 435023585		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		PRC No.: 0002978 PTR No.: 2872687 DATE: 01/10/17		VALIDITY 11/29/2017 PLACE ISSUED: PAMP		TIN No.: 138 408 790	



1  
THIRD FLOOR  
FIRE DETECTION ALARM LAYOUT

E-14  
SCALE

1:150 MTS

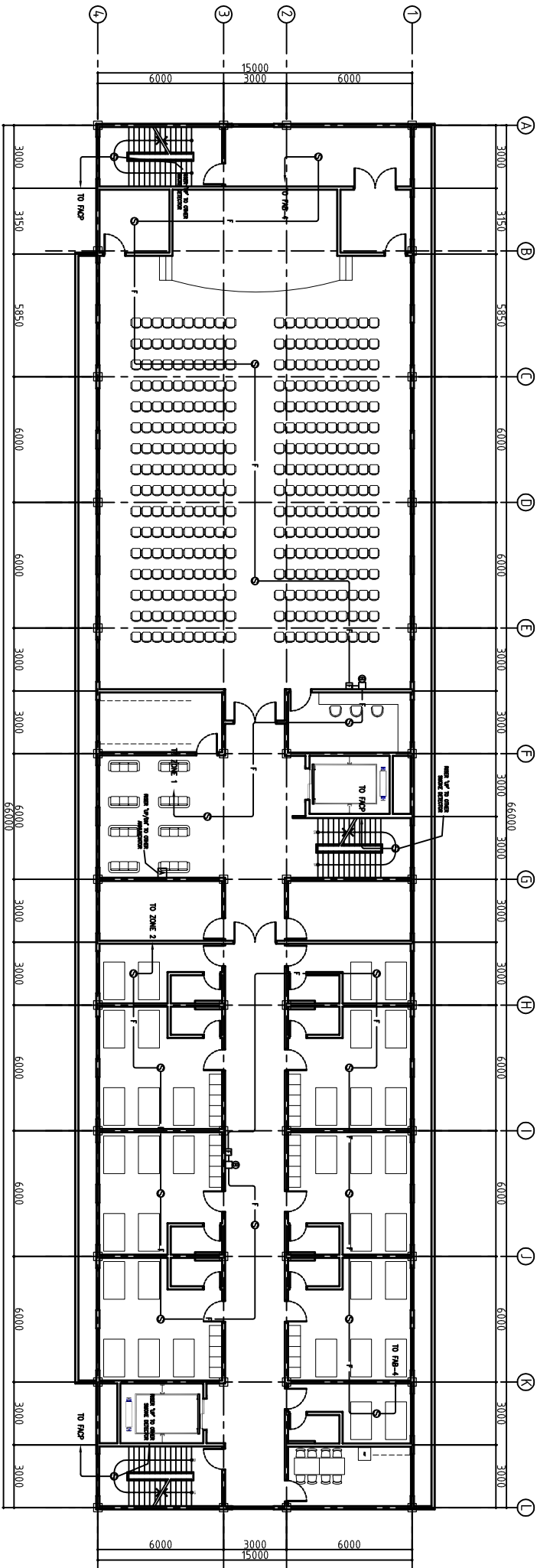


2  
FOURTH FLOOR  
FIRE DETECTION ALARM LAYOUT

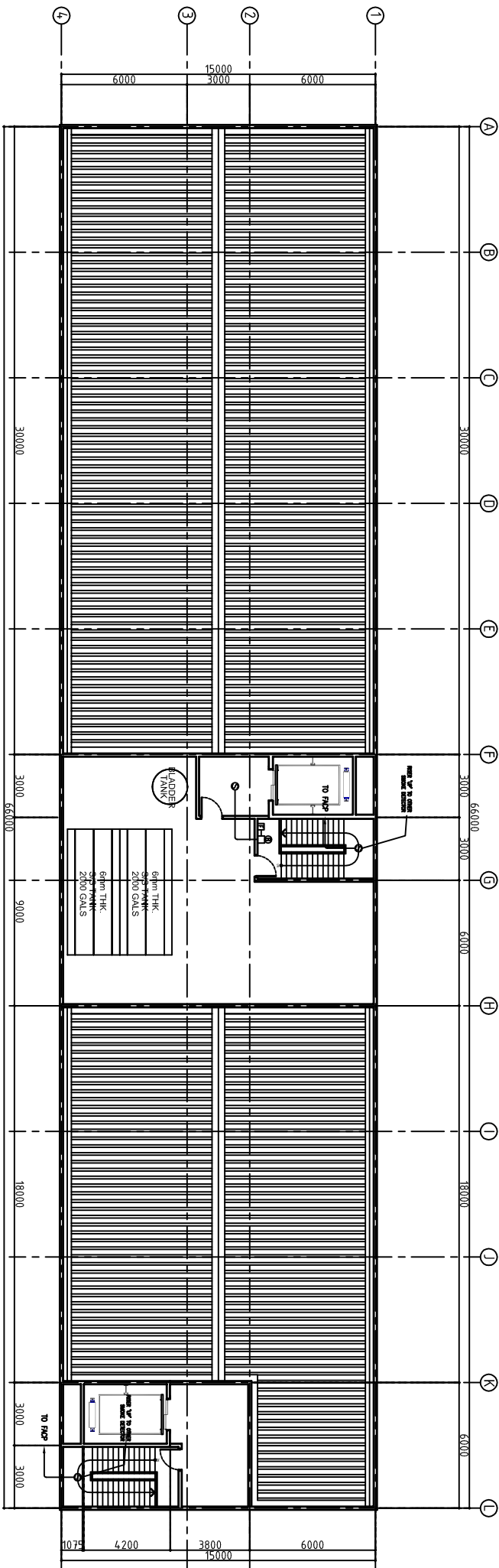
E-14  
SCALE

1:150 MTS

ELECTRICAL ENGINEER		RA 9286 SECTION 3		CHECKED BY :		PROJECT TITLE :		COMMENDING APPROVAL :		APPROVED BY :		SHEET CONTENT		SHEET NO.	
ORIGINAL SIGNED ALEX F. PATIO, PEE		Drawings and specifications and other contract instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be the responsibility of the architect to provide copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document. s.		JOHN DANIEL M. SANTOS ENGINEER IV		PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		MYRNA V. MANGAT CHIEF ADMINISTRATIVE OFFICER		GLORY V. BALTAZAR, MD, MPH, WHA, CSE MEDICAL CENTER CHIEF		THIRD FLOOR FIRE DETECTION ALARM LAYOUT FOURTH FLOOR FIRE DETECTION ALARM LAYOUT		E-14 14 19	
PRC No. 0002978		VALIDITY: 11/29/2017		PRC No. 0125250		LOCATION : BATYAN GENERAL HOSPITAL		DATE: 01/18/17		DATE: 01/18/17					
PTR No.: 2872897		PLACE ISSUED: PAMP		PTR No.: 3058921		BALANGA CITY, BATYAN		TIN No.: 435023585		TIN No.: 435023585					
DATE: 01/10/17		TIN No.: 138 408 790													






FIFTH FLOOR  
1  
FIRE DETECTION ALARM LAYOUT  
E:15  
SCALE  
1:150 MTS



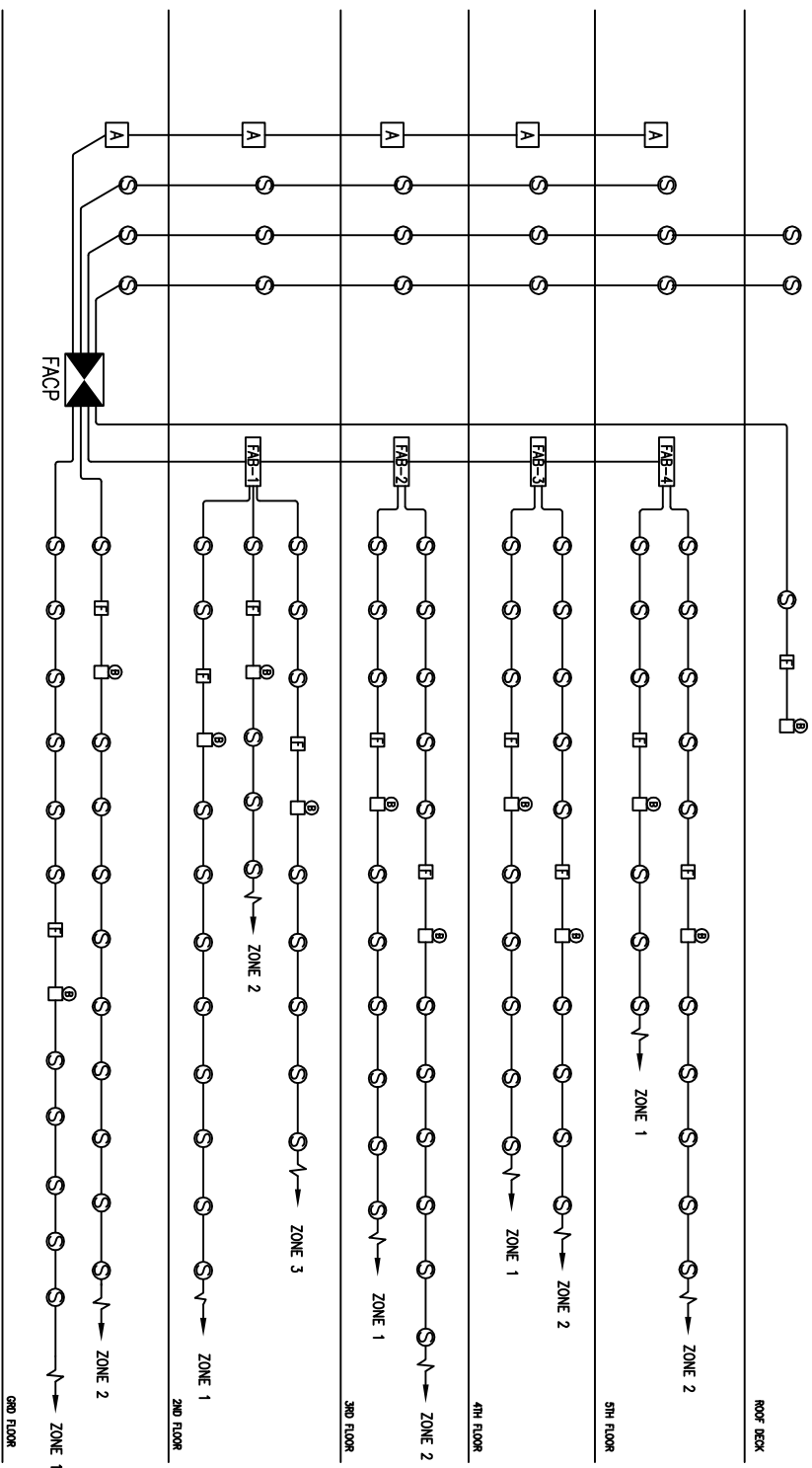
ROOF DECK  
2  
FIRE DETECTION ALARM LAYOUT  
E:15  
SCALE  
1:150 MTS



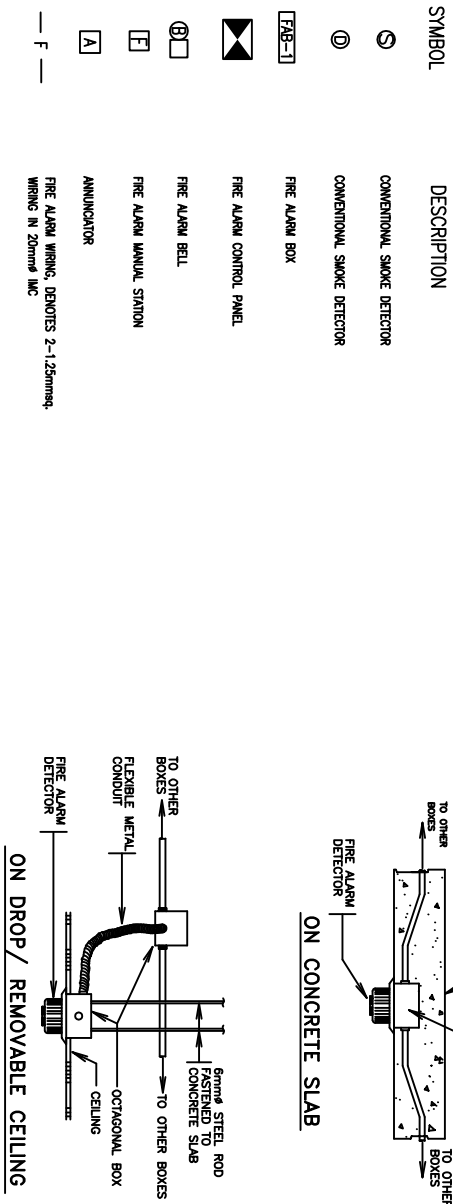
ELECTRICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY :  JOHN DARREL W. SANTOS ENGINEER IV		PROJECT TITLE : <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL :  MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY :  GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT FIFTH FLOOR FIRE DETECTION ROOF DECK FIRE DETECTION ALARM LAYOUT		SHEET NO. E.15 15 19	
<b>ORIGINAL SIGNED</b> ALEX F. PATIO, PEE		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of the same, in whole or in part, without the prior and for other projects or buildings, whether executed or not, without the written consent of the architect or author of said document. s.		PRG No.: 0002978 PTR No.: 2872687 DATE: 01/10/17		PRG No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		VALIDITY : 11/29/2017 PLACE ISSUED: PAMP		TIN No.: 138 408 790		TIN No.: 435023585	

LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

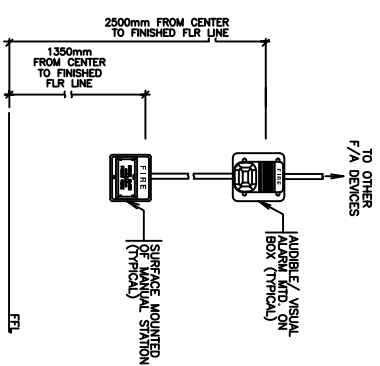





1 SINGLE LINE DIAGRAM  
FIRE DETECTION ALARM SYSTEM  
E-16 SCALE 1:150 MTS

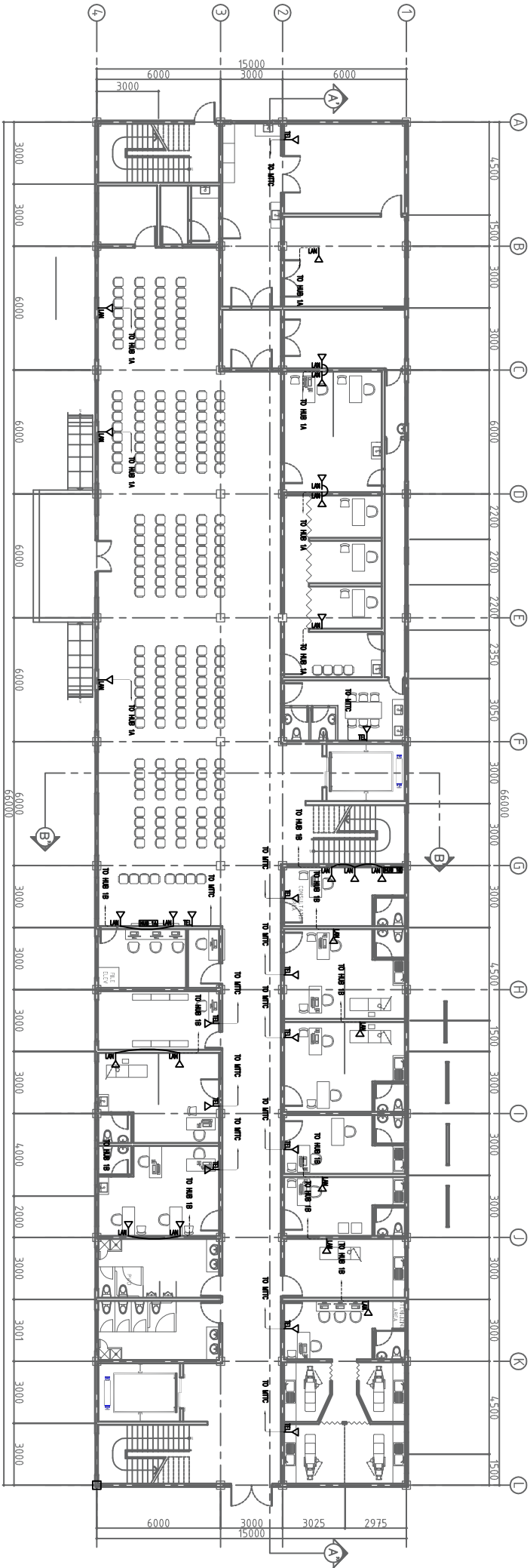


### 3 ROOF DECK CONVENTIONAL DETECTION DETAILS

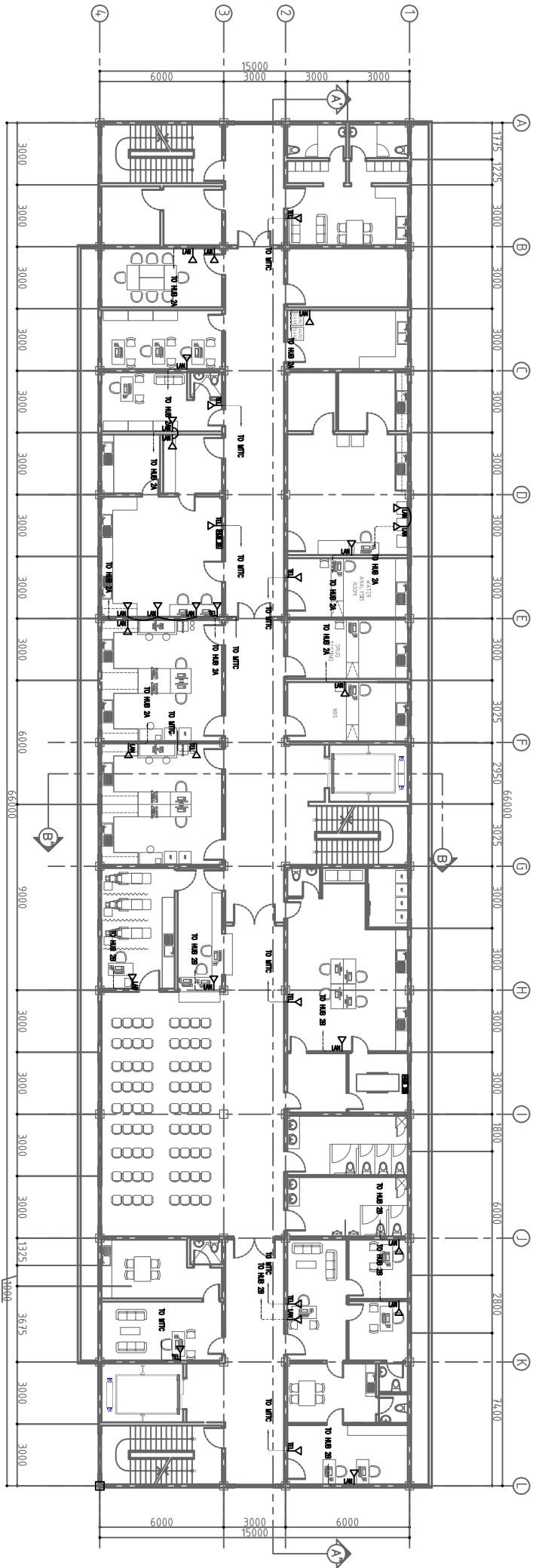


4	FIRE ALARM DETAILS	1:150 MTS
E-16	SCALE	

<div><div><div>Lucky Star</div><div>CONSTRUCTION &amp; TRADING</div></div></div> <div>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKING • EQUIPMENT RENTALS</div> <div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SHIDALAN, CITY OF SAN FERNANDO, PAMPANGA</div>				<div><div>ELECTRICAL ENGINEER</div><div><div>ORIGINAL SIGNED</div><div>ALEX F. PATITO, PEE</div></div></div> <div><div>PRC No. 00029378</div><div>VALIDITY 11/29/2017</div></div> <div><div>PTR No. 29378687</div><div>PLACE ISSUED: PAMP</div></div> <div><div>DATE: 01/10/17</div><div>TIN No. 138 408 790</div></div>				<div>RA 9266 SECTION 3</div> <div>Drawing and specifications and other contract documents duly signed, stamped or sealed, as required by law, and the intellectual property instruments of service, are the intellectual property of the firm and shall remain the property for which they are made to executed or not. It shall be unlawful for any person to duplicate or make copies of the drawings, specifications and other contract documents and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document s.</div> <div><div>PRC No.1 0123250</div><div>VALIDITY</div></div> <div><div>PTR No.: 3088921</div><div>PLACE ISSUED: BALANGA</div></div> <div><div>DATE: 01/8/17</div><div>TIN No.: 435023585</div></div>				<div>CHECKED BY : <div>JOHN DANIEL B. SANTOS</div></div> <div><div>PROJECT TITLE :</div><div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div></div> <div><div>COMMENDING APPROVAL :</div><div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div></div> <div><div>APPROVED BY :</div><div>GLORY V. BALTAZAR, MD., MPH, MHA, CSE MEDICAL CENTER CHIEF</div></div> <div><div>SHEET CONTENT</div><div>FOAS DIAGRAM FIRE DETECTION DEVICE DETAIL FIRE ALARM DETAIL</div></div> <div><div>SHEET NO.</div><div>E.16 16 19</div></div>			
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GROUND FLOOR  
1  
LAN AND TELEPHONE LAYOUT  
E-17  
SCALE  
1:150 MTS

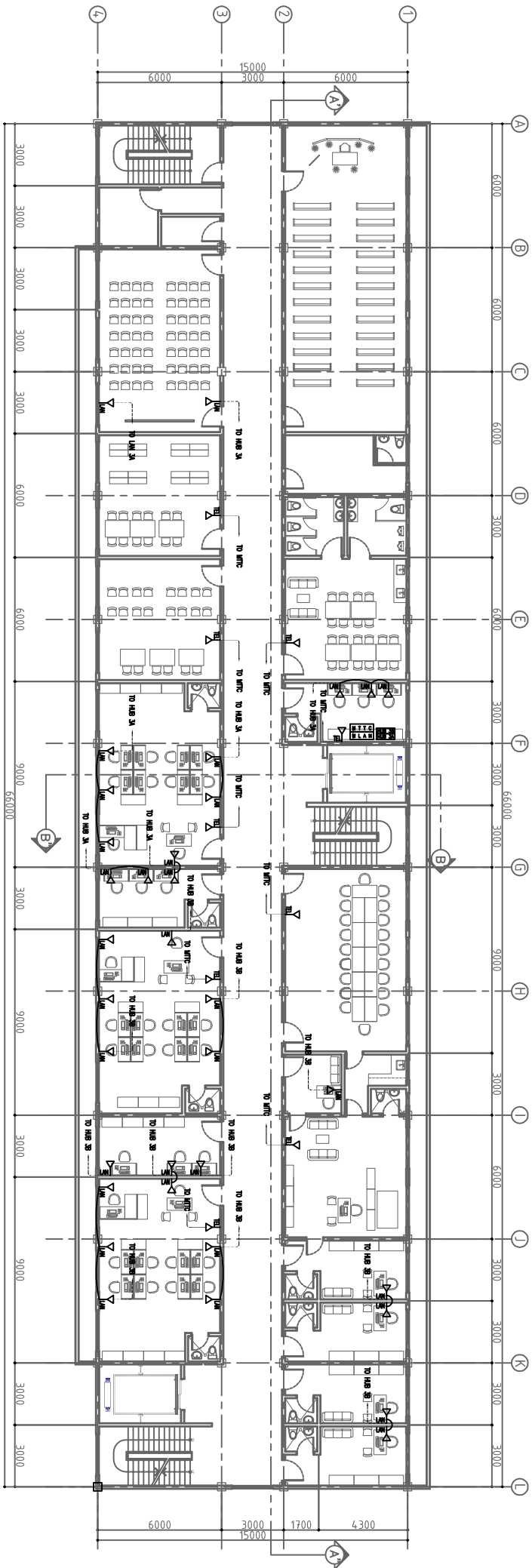


SECOND FLOOR  
2  
LAN AND TELEPHONE LAYOUT  
E-17  
SCALE  
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER		RA 9266 SECTION 3		<div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as well as any other documents, specifications, and documents of the architect, whether the object for which they are made is executed or not, it shall be undertaken for any person to replicate or make copies of any of the drawings, specifications, and documents of the architect, without the written consent of the architect or author of said document. S.</div>	
ORIGINAL SIGNED ALEX F. PATIO, PEE		CHECKED BY: <div>JOHN DANIEL M. SANTOS ENGINEER IV</div>		PROJECT TITLE: <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>	
PRG No.: 0002978 PTR No.: 2872887 DATE: 01/10/17		VALIDITY 11/29/2017 PRG No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		COMMENDING APPROVAL: <div>MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER</div>	
TIN No.: 138 408 790		PLACE ISSUED: BALANGA TIN No.: 435023585		APPROVED BY: <div>GLORY V. BALTAZAR, MD, MPH, MHA, CSE MEDICAL CENTER CHIEF</div>	
		BALANGA CITY, BATYAN		SHEET CONTENT: <div>GROUND FLOOR LAN &amp; TELEPHONE LAYOUT LAYOUT FLOOR LAN &amp; TELEPHONE LAYOUT</div>	
				SHEET NO. <div>E.17 17 19</div>	



THIRD FLOOR  
LAN AND TELEPHONE LAYOUT

SCALE  
E:18

1:150 MTS



FOURTH FLOOR  
LAN AND TELEPHONE LAYOUT

SCALE  
E:18

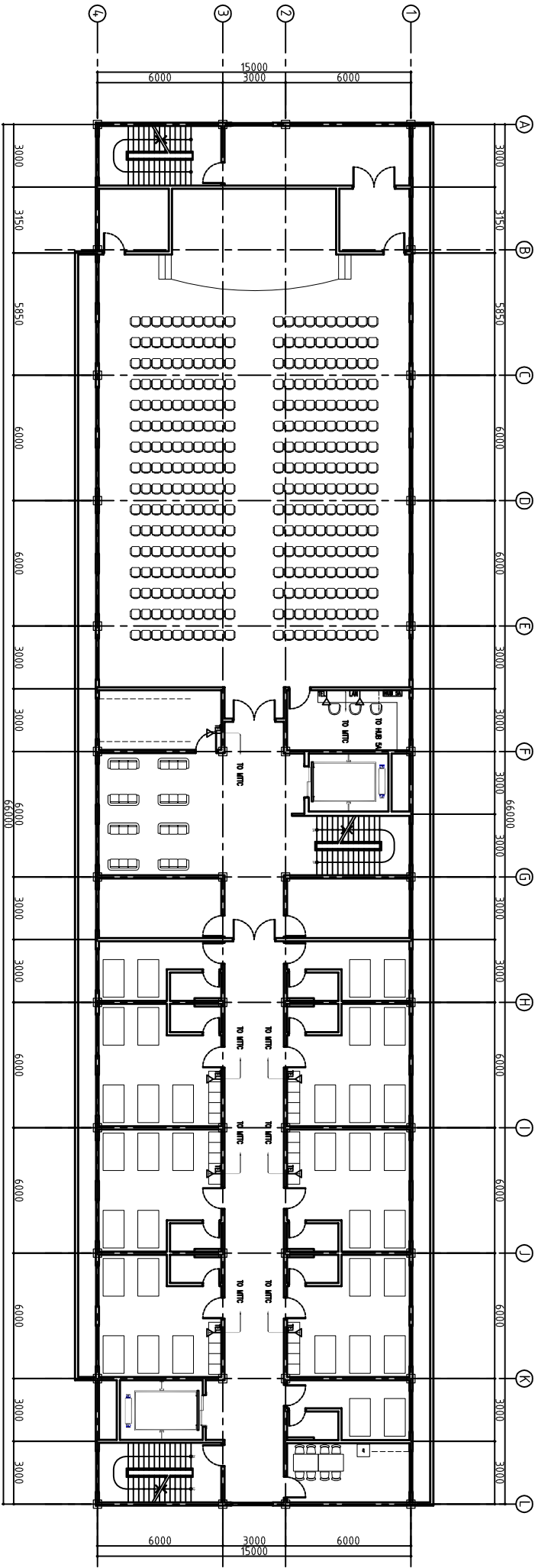
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY : JOHN DARRIEL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CSE MEDICAL CENTER CHIEF		SHEET CONTENT THIRD FLOOR LAN & TELEPHONE FOURTH FLOOR LAN & TELEPHONE LAYOUT		SHEET NO. E.18 17 19	
ORIGINAL SIGNED ALEX F. PATIO, PEE		DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, STUDY, DESIGNED, STAMPED OR SEALED, AS WELL AS ANY OTHER DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNDERTAKEN BY ANY PERSON TO OBTAIN OR MAKE ANY COPIES OF THE SAME, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT. S.		PRG No.: 0002978 PTR No.: 2872687 DATE: 01/10/17		VALIDITY 11/29/2017 PLACE ISSUED: PAMP TIN No.: 138 408 790		PRG No.: 0125250 PTR No.: 3068921 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA TIN No.: 435023585		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN			





FIFTH FLOOR  
1  
LAN AND TELEPHONE LAYOUT

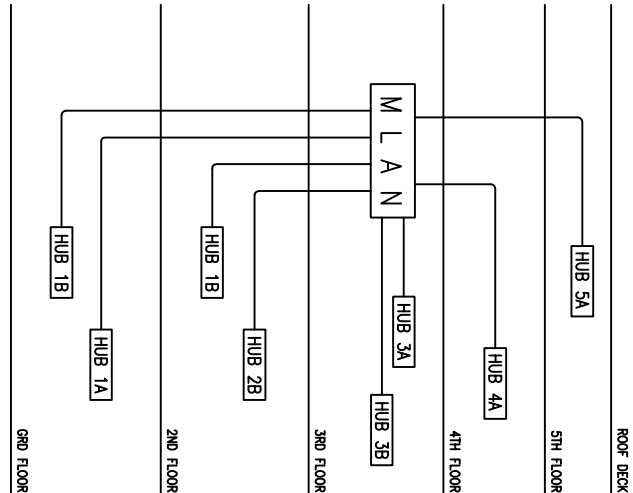
E-19  
SCALE

1:150 MTS

- [M T T C] MAIN TELEPHONE TERMINAL (PMBX/PPMBX)
- [M L A N] MAIN LOCAL AREA NETWORK (SWITCHER)
- [HUB 2B] HUB/INTERNET SWITCHER: 16/24 PORTS
- TEL TELEPHONE OUTLET
- LAN OUTLET
- LAN WIRING DEVICES, CAT 6
- LAN WIRING DEVICES, CAT 5

2  
LEGEND

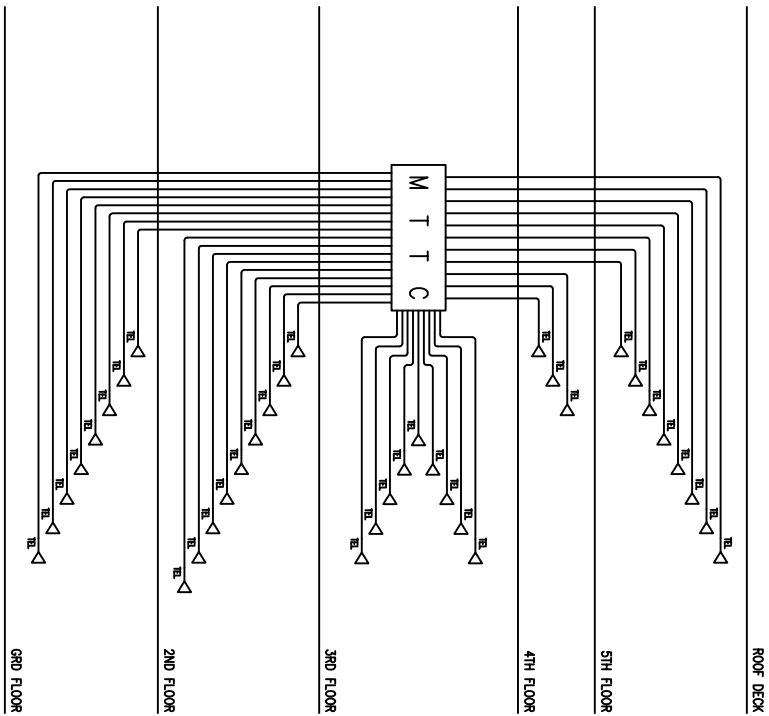
E-19



LOCAL AREA NETWORK  
3  
SINGLE LINE DIAGRAM

E-19  
SCALE

1:150 MTS



TELEPHONE  
4  
SINGLE LINE DIAGRAM

E-19  
SCALE

1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SHIDALAN, CITY OF SAN FERNANDO, PAMPANGA

ELECTRICAL ENGINEER <b>ALEX F. PATIO, PEE</b> ORIGINAL SIGNED PRC No.: 0002978 PTR No.: 2872687 DATE: 01/10/17		RA 9256 SECTION 3 Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies of the same, without the written consent of the architect or author of said document. s.		CHECKED BY : <b>JOHN DARRIEL M. SANTOS</b> ENGINEER IV PRC No.: 0125250 PTR No.: 3068921 DATE: 01/18/17		PROJECT TITLE : <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b> LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		COMMENDING APPROVAL : <b>MYRNA V. MAGAT</b> CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : <b>GLORY V. BALITZAR, MD, MPH, MHA, CESE</b> MEDICAL CENTER CHIEF		SHEET CONTENT FIFTH FLOOR LAN & TELEPHONE LAYOUT LOCAL AREA NETWORK DIAGRAM LEGEND		SHEET NO. E.19 19 19	
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GENERAL NOTES:

SPRINKLER SYSTEM

1. THE FIRE PROTECTION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES & REGULATIONS:

THE FIRE CODE OF THE PHILIPPINES & REGULATIONS  
NATIONAL BUILDING CODE OF THE PHILIPPINES  
PSM - PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS  
NFPA 10 - STANDARD FOR PORTABLE FIRE EXTINGUISHER  
NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM  
NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM  
NFPA 15 - STANDARD FOR THE INSTALLATION OF CENTRIFUGAL FIRE PUMP  
NFPA 101 - LIFE SAFETY CODE  
NFPA 5000 - BUILDING CONSTRUCTION AND SAFETY CODE  
UNDERWRITERS LABORATORIES, INC. (UL)  
FACTORY MUTUAL (FM)  
ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS  
NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

2. DESIGN CRITERIA:

TYPE OF OCCUPANCY : LIGHT HAZARD  
DESIGN DENSITY : 0.15 GPM/SQ. FT.  
MIN. DURATION OF WATER SUPPLY : 4.1 LPM/IN.  
OFFICE K-FACTOR (NOZZLE) : 14.4 LPM/(IN)<sup>0.5</sup>  
HOSE STREAM ALLOWANCE : 378.5 LPM

3. WATER FLOW PROOFING DEVICES SHALL BE OF THE APPROVED TYPE.

4. ALL VALVES SHALL BE SECURED BY A PADLOCK AND STRAP IN THE CORRECT

5. ALL ISOLATING VALVES FOR THE SYSTEM SHALL BE:

- a) INDIVIDUALLY SUPERVISED AND MONITORED SUCH THAT THE CLOSING OF ANY PARTICULAR VALVE WILL RAISE A VISUAL AND AUDIO ALARM IN THE MAIN FIRE ALARM PANEL LOCATED IN THE COMMAND AND CONTROL CENTER EMPLOYING THE VALVE INVOLVED.

- b) LOCATED IN AREAS SUCH THAT THEY ARE EASILY ACCESSIBLE TO AUTHORIZED PERSONNEL FOR MAINTENANCE AND EMERGENCY OPERATION.

6. PROVIDE PIPE FLEXIBLE/EXPANSION JOINTS FOR ALL SERVICES PASSING THRU TO ALL BUILDING EXPANSION JOINTS.

7. ALL PIPE PENETRATIONS THRU FIRE RATED WALLS SHALL BE PROVIDED WITH FIRE STOPPING MATERIALS.

8. PROVIDE FLANGE CONNECTION FOR EVERY 12 MTRS. OF PIPE LENGTHS.

9. PIPING TO BE SCH# 40 BLACK IRON PIPE, FITTINGS 50mm AND SMALLER SHALL BE SCHEDULED TYPE, 60mm AND LARGER SHALL BE FLANGE OR WELDING TYPE.

10. ALL FIRE PROTECTION WORKS AND INSTALLATION SHALL BE SUPERVISED BY A LICENSED MECHANICAL ENGINEER.

11. ALL PIPE PASSING THRU SLAB, BEAM & WALL SHALL BE PROVIDED W/ FIRE RATED SEALANT.

12. THE SPRINKLER SYSTEM SHALL BE COMPLETE WITH FOLLOWING ACCESSORIES:

- a. WATER ALARM GONG

- b. SPRINKLER TEST WATER

- c. ZONE CONTROL VALVE ALARM

- d. ZONE CONTROL VALVE ALARM WITH CHECK VALVE AS PER NFPA 13, SHALL BE

- e. ALL THE WATER FLOW SWITCH SHALL BE INTERLOCKED TO FIRE ALARM PANEL.

13. THE LOWEST END OF THE SPRINKLER DRAIN PIPES SHALL HAVE VALVE WITH DRAIN PROVISIONS IN ALL THE FLOOR.

14. ALL THE TEST DESIGNS SHALL BE CONNECTED TO THE NEAREST FLOOR DRAINS.

15. COORDINATE WITH PLUMBING CONNECTION.

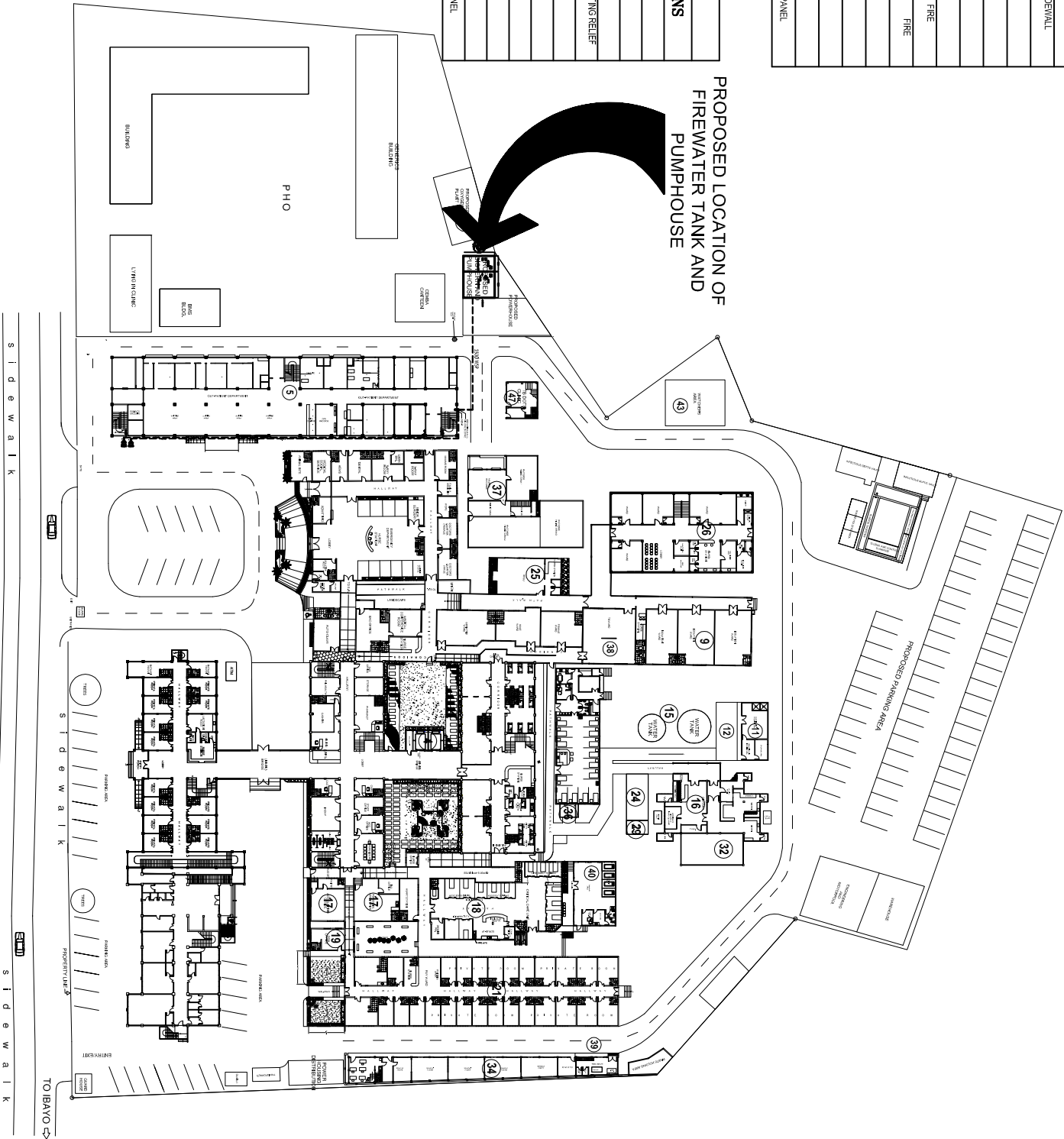
16. INSPECTORS TEST POINTS TO BE PROVIDED AT THE REMOTE POINTS.

17. ALL THE FIRE PROTECTION INSTALLATION SHALL BE SUITABLE FOR SEISMIC CONDITION. THE SEISMIC TYPE INSTALLATION DETAILS FOR ALL SUPPORTS SHALL BE APPROVED BY CONTRACTOR EMPLOYED APPROVED SPECIALIST.

LEGEND & SYMBOLS

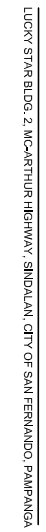
SYMBOLS	DESCRIPTIONS	SYMBOLS	DESCRIPTIONS
	FAC PIPE		ONS PENDENT SPRINKLER
	UNDERGROUND PIPE		UPRIGHT SPRINKLER
	CAPPED PIPE		ONS SIDEWALL SPRINKLER
	VALVED AND CAPPED PROVISION		ONS EXTENDED COVERAGE SIDEWALL SPRINKLER
	GATE VALVE		DIRECTION OF FLOW
	ALARM CHECK VALVE		CONTINUOUS PIPE
	CHECK VALVE (SLANT TYPE)		UNION
	DRAIN VALVE FOR PIPE END		PRESSURE GAUGE WITH COCK
	END CAP FOR FUTURE CONNECTION		4.5kg ABC DRY CHEMICAL FIRE EXTINGUISHER
	FIRE HOSE CABINET		4.5kg ABC DRY PORTABLE FIRE EXTINGUISHER
	PUMP		SUPERVISORY SWITCH
	FLOW METER		ALARM BELL
	AUTOMATIC AIR RELEASE VALVE/AUTOMATIC AIR VENT		FLOW SWITCH
	FIRE PUMP CONTROLLER		HOSE VALVE HEADER
	JOCKEY PUMP CONTROLLER		SPRINKLER ALARM CONTROL PANEL

PROPOSED LOCATION OF FIREWATER TANK AND PUMPHOUSE



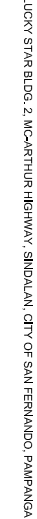
1 SITE DEVELOPMENT PLAN  
SCALE 1 : 500 METERS

MECHANICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY :		PROJECT TITLE :		COMMENDING APPROVAL :		APPROVED BY :		SHEET CONTENT		SHEET NO.	
		<b>JUAN G. VASQUEZ, PME, MBM</b>				<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>						AS SHOWN		FS.01	
SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRADING • EQUIPMENT RENTALS		PTR No.: 0002499 PTR No.: 6482783		VALIDITY 06/16/19 PLACE ISSUED: PUMP		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN		PTR No.: 3068921 DATE: 01/18/17		PTR No.: 435023585 DATE: 01/18/17		DATE: 03/30/17		TIN No.: 103 501 399	

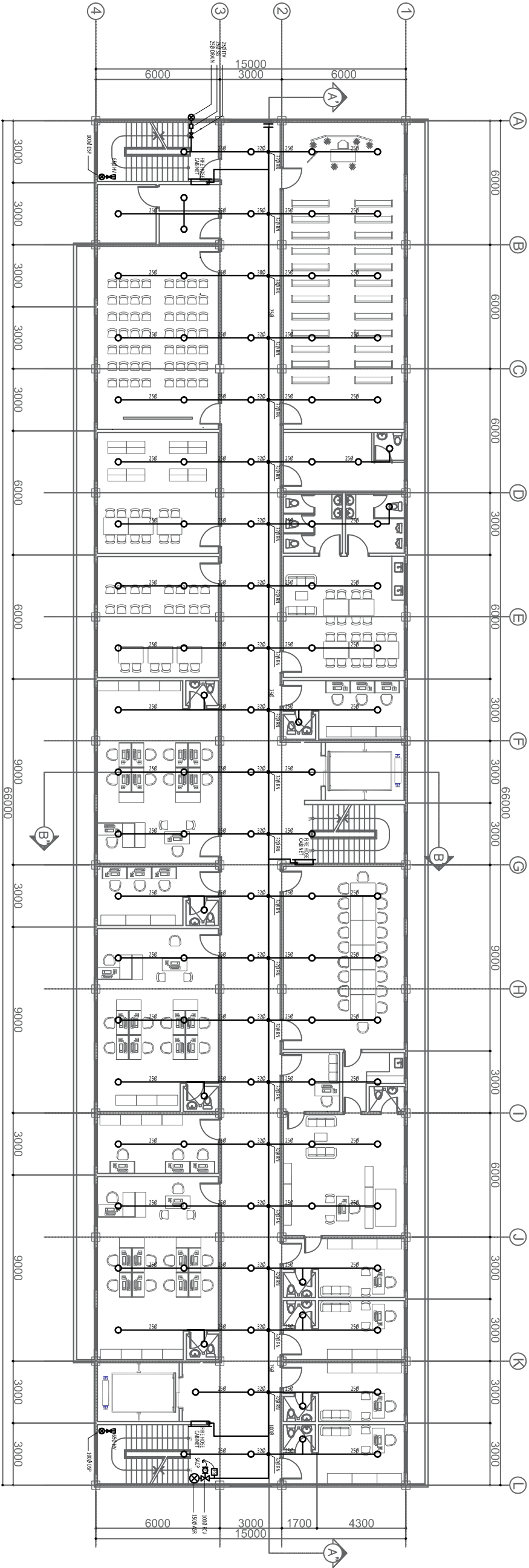


1	GROUND FLOOR FIRE SPRINKLER PLAN
FS-02	SCALE 1 : 100 METERS





## 1 SECOND FLOOR FIRE SPRINKLER PLAN






1  
FS-04  
SCALE

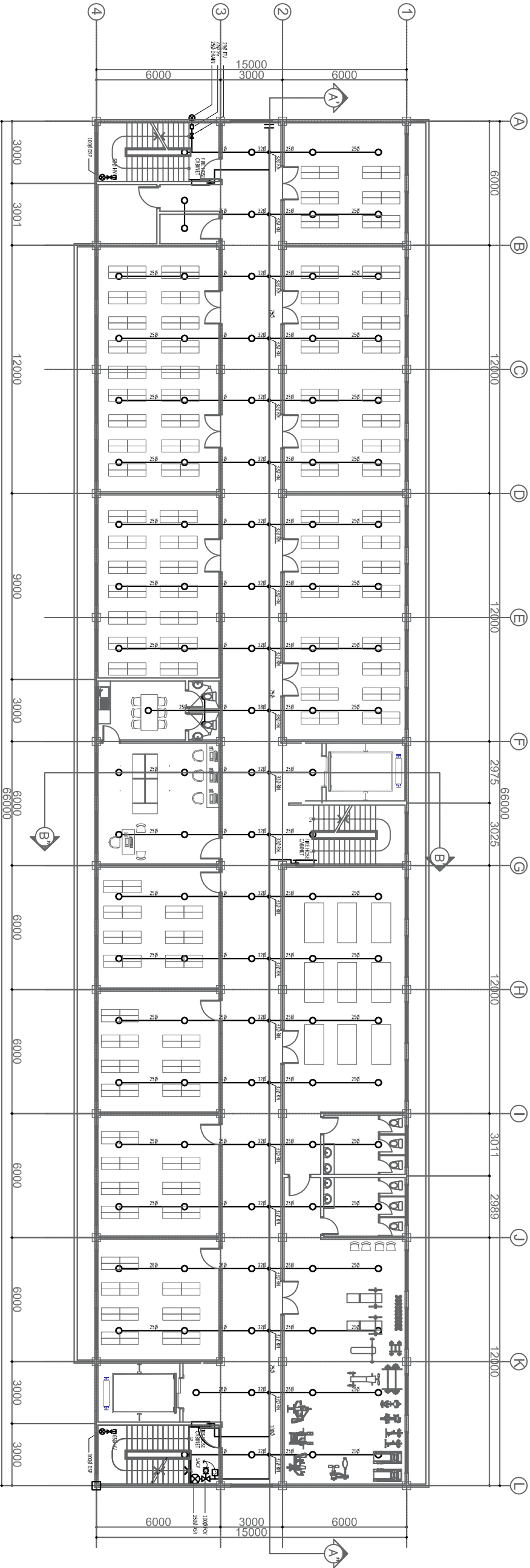
THIRD FLOOR FIRE SPRINKLER PLAN

1 : 100 METERS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

MECHANICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY : <div> JOHN DARREL M. SANTOS ENGINEER IV</div>		PROJECT TITLE : <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL : <div> MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER</div>		APPROVED BY : <div> GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div>		SHEET CONTENT AS SHOWN		SHEET NO. <div><div>FS-04</div><div>410</div></div>	
<b>JUAN G. VASQUEZ, PME, MBM</b>		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies thereof for any purpose, without the written consent of the architect or author of said document. s.		PRC No.: 0125250 PTR No.: 3068921		LOCATION : BATYAN GENERAL HOSPITAL		DATE: 01/18/17		TIN No.: 435023585					
PRC No.: 0002499 PTR No.: 6482783		VALIDITY 06/16/19 PLACE ISSUED: PAMP		VALIDITY											
DATE: 03/30/17		TIN No.: 103 501 399		DATE: 01/18/17		TIN No.: 435023585		BALANGA CITY, BATYAN							



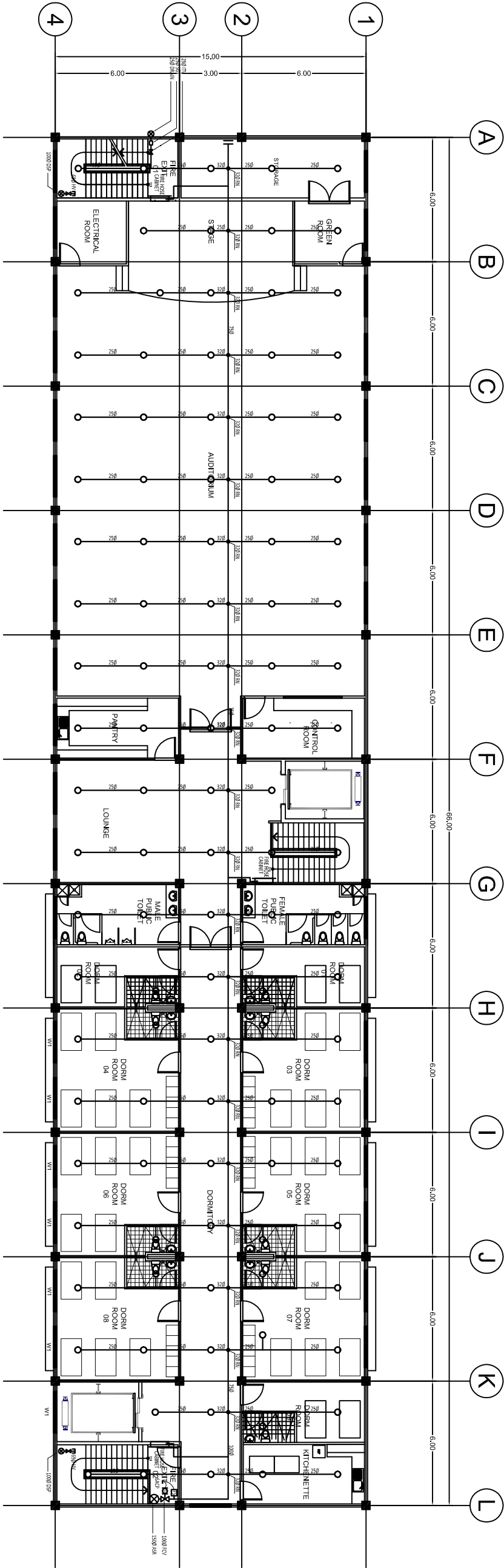
1 FOURTH FLOOR FIRE SPRINKLER PLAN  
FS.05 SCALE  
1 : 100 METERS



CONSTRUCTION & TRADING  
SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION  
TRUCKING • EQUIPMENT RENTALS  
LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

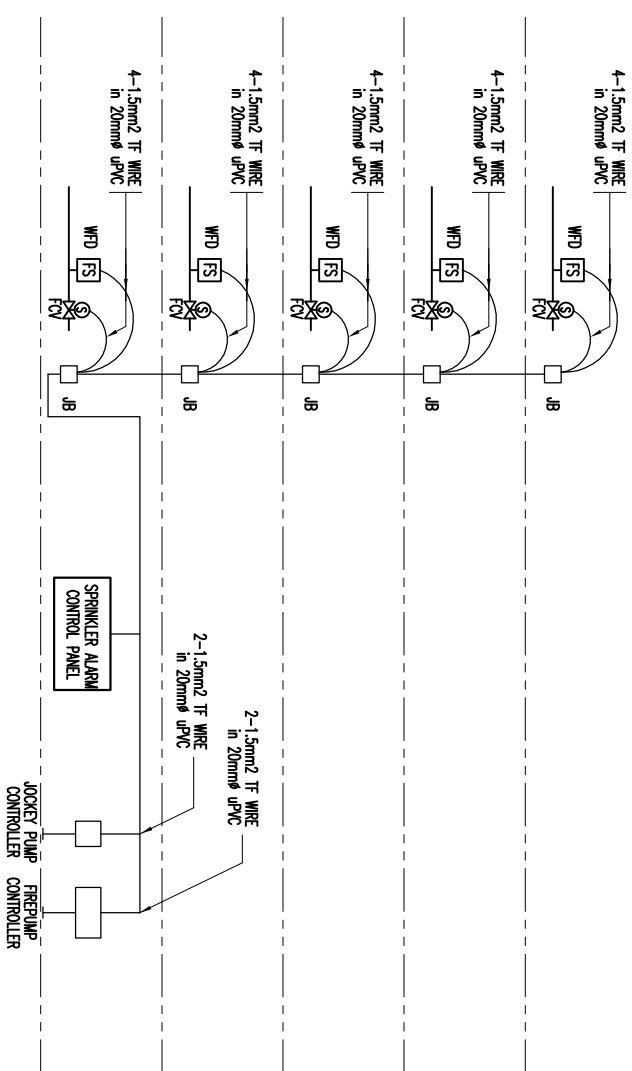
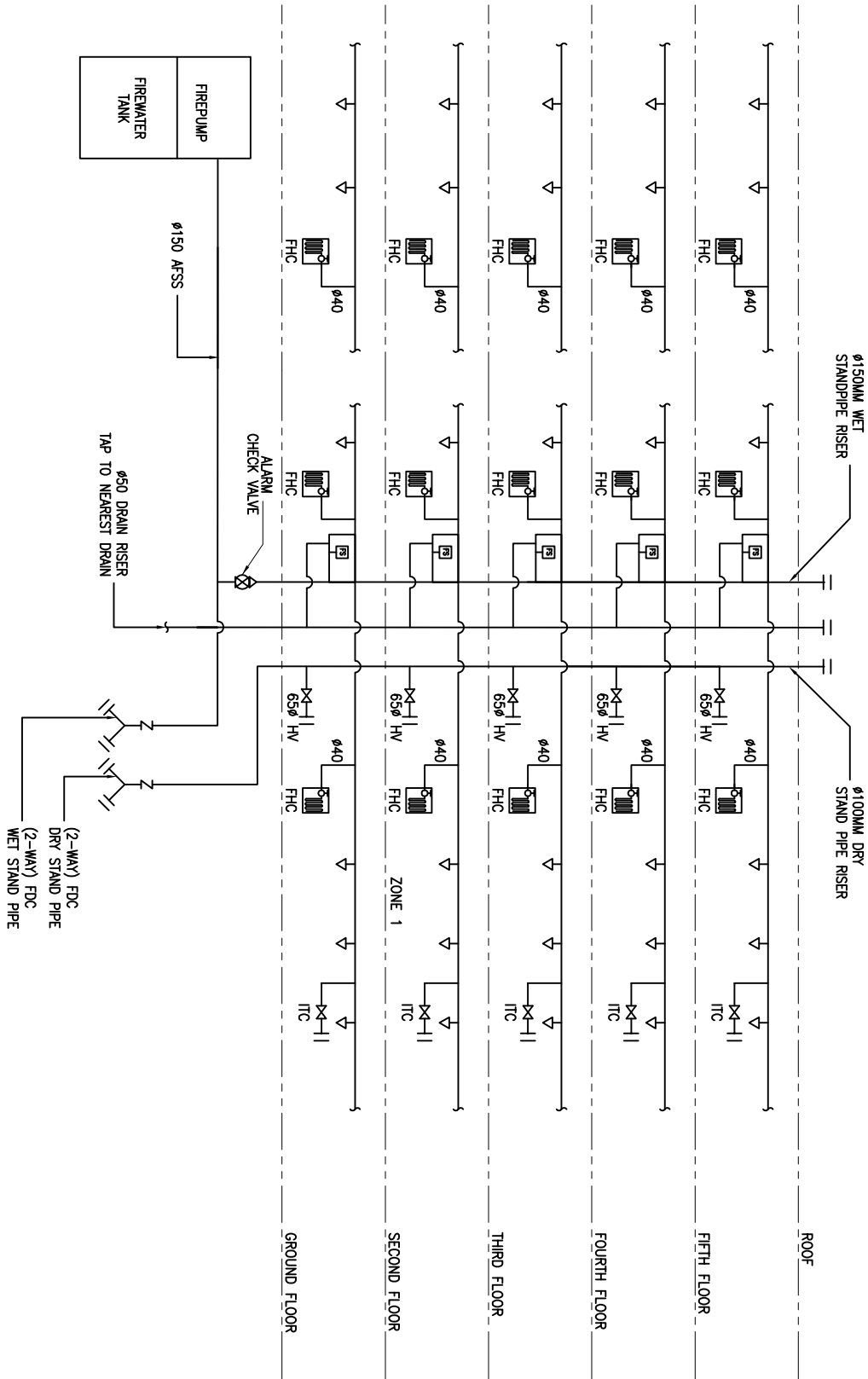
MECHANICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT AS SHOWN		SHEET NO. FS.05 5 10	
JUAN G. VASQUEZ, PME, MBM		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies of said drawings and specifications and other contract documents, without the written consent of the architect or author of said document.		PRC No.: 0002499 PTR No.: 6482783 DATE: 03/30/17		VALIDITY 06/16/19 PLACE ISSUED: PAMP TIN No.: 103 501 399		PRC No.: 0125250 PTR No.: 3098921 DATE: 01/18/17		BALANGA CITY, BATYAN					





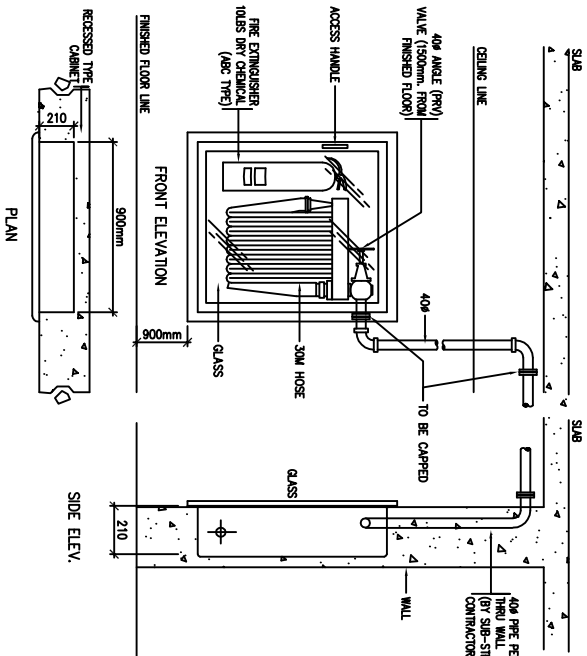
1 FIFTH FLOOR FIRE SPRINKLER PLAN  
FS.06 SCALE 1 : 100 METERS

<div><div><div><div><div><div></div><div>Lucky Star</div></div><div>CONSTRUCTION &amp; TRADING</div></div></div><div>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKING • EQUIPMENT RENTALS</div><div>Lucky Star Bldg. 2, McArthur Highway, Sindalan, City of San Fernando, Pampanga</div></div></div>		<div>MECHANICAL ENGINEER</div> <div><div><div>JUAN G. VASQUEZ, PME, MBM</div><div><div></div><div></div></div></div><div><div>PRC No.: 0002499</div><div>VALIDITY 06/16/19</div></div><div><div>PTR No.: 6482783</div><div>PLACE ISSUED: PAMP</div></div><div><div>DATE: 03/30/17</div><div>TIN No.: 103 501 399</div></div></div>		<div>RA 9256 SECTION 3</div> <div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by law, shall be the property of the architect and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said drawings and specifications, or of any part thereof, without the written consent of the architect or author of said document.</div>		<div>CHECKED BY :</div> <div><div><div>JOHN DARREL M. SANTOS</div><div><div></div><div></div></div></div><div><div>PRC No.: 0125250</div><div>VALIDITY</div></div><div><div>PTR No.: 3068921</div><div>PLACE ISSUED: BALANGA</div></div><div><div>DATE: 01/18/17</div><div>TIN No.: 435023585</div></div></div>		<div>PROJECT TITLE :</div> <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div> <div>BALANGA CITY, BATIAN</div>		<div>COMMENDING APPROVAL :</div> <div><div><div>MYRNA V. MAGAT</div><div><div></div><div></div></div></div><div><div>CHIEF ADMINISTRATIVE OFFICER</div></div></div>		<div>APPROVED BY :</div> <div><div><div>GLORY V. BALTAZAR, MD, MPH, MBA, CESE</div><div><div></div><div></div></div></div><div><div>MEDICAL CENTER CHIEF</div></div></div>		<div>SHEET CONTENT</div> <div>AS SHOWN</div>	<div>SHEET NO.</div> <div>FS.06</div> <div>610</div>
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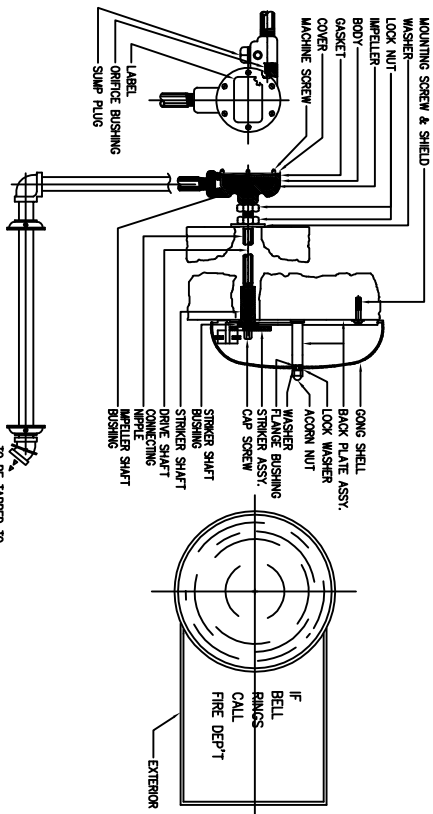
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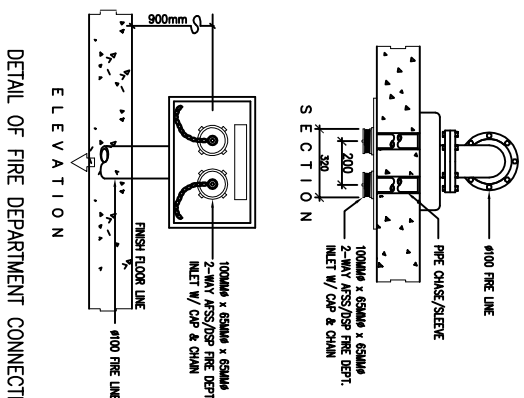




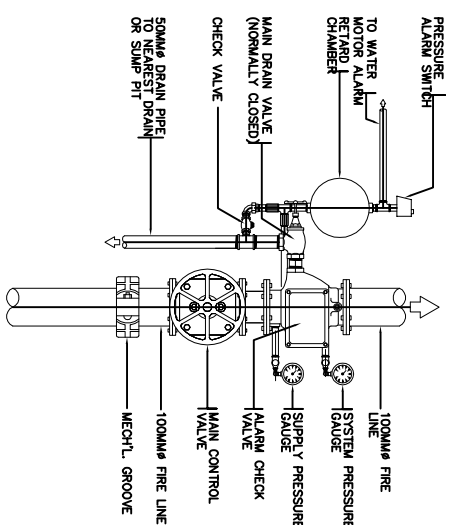
DETAILS OF FIRE HOSE CABINET



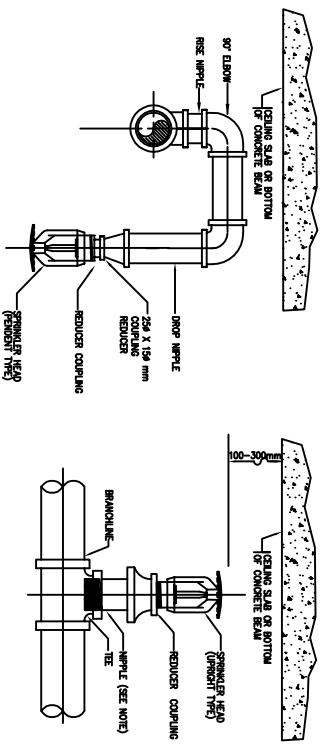
DETAIL OF ALARM GONG



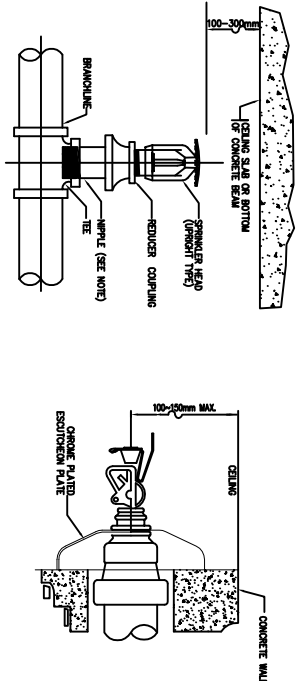
DETAIL OF FIRE DEPARTMENT CONNECTION



DETAIL OF MAIN SPRINKLER RISER

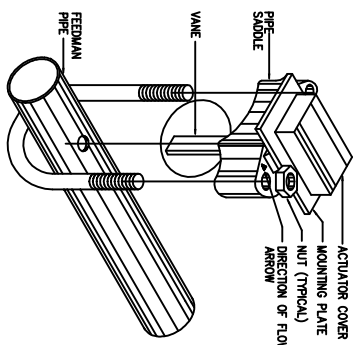


PENDENT SPRINKLER HEAD

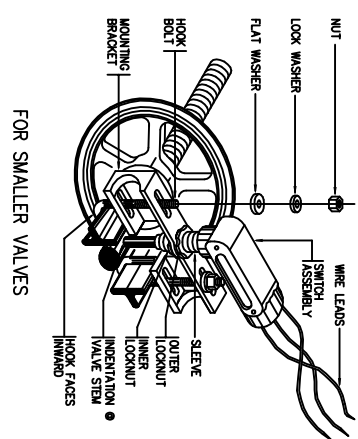


UPRIGHT SPRINKLER HEAD

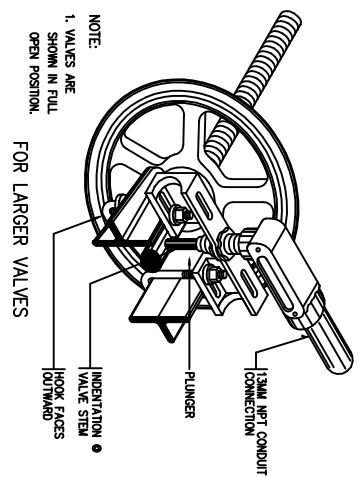
HORIZONTAL WALL MOUNT SPRINKLER HEAD



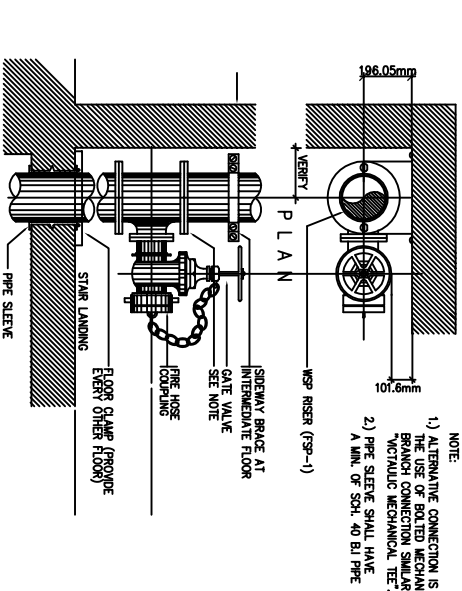
FLOW SWITCH



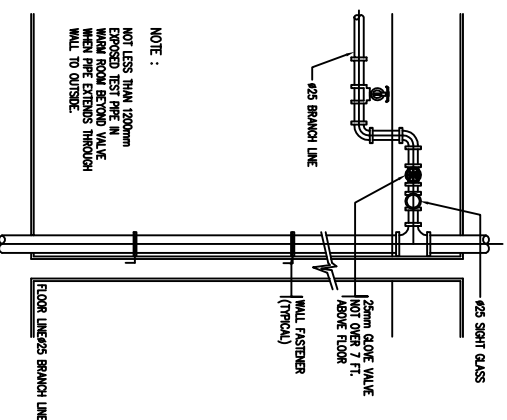
DETAIL OF SUPERVISORY SWITCH



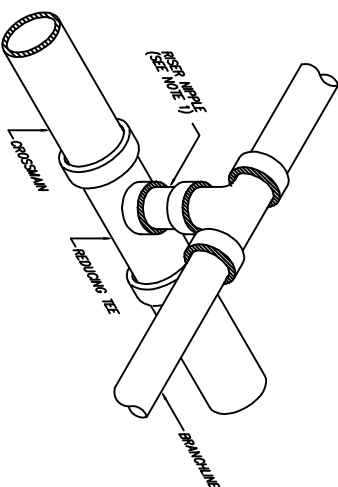
DETAIL OF FLOOR CONTROL VALVE



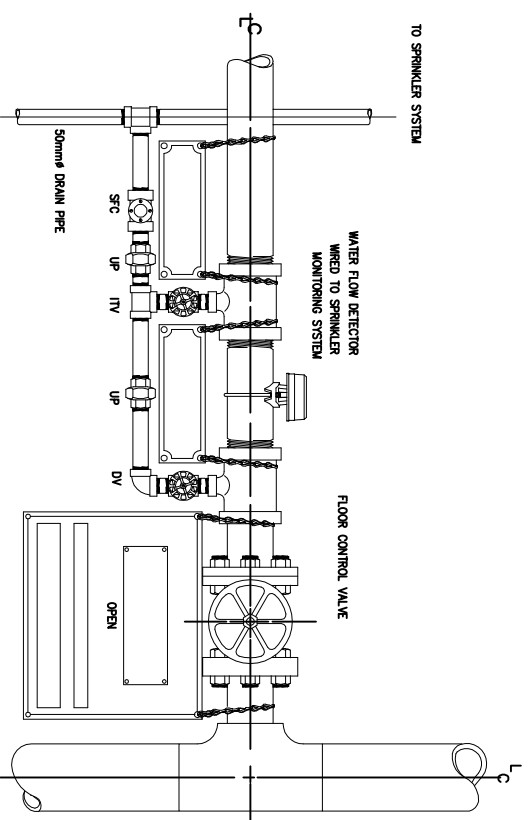
DETAILS OF FIRE HOSE VALVE



DETAILS OF INSPECTOR'S TEST CONNECTION



DETAIL OF RISER NIPPLE



DETAIL OF FLOOR CONTROL VALVE



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

MECHANICAL ENGINEER			PROJECT TITLE :			COMMENDING APPROVAL :			APPROVED BY :			SHEET NO.		
<b>JUAN G. VASQUEZ, PME, MBM</b>			<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>			<b>MYRNA V. MAGAT</b> CHIEF ADMINISTRATIVE OFFICER			<b>GLORY V. BALITZAR, MD, MPH, MBA, CESE</b> MEDICAL CENTER CHIEF			AS SHOWN		
PRG No.: 0002499	VALIDITY 06/16/19	DATE: 03/30/17	PRG No.: 0125250	VALIDITY	DATE: 01/18/17	PRG No.: 3068921	VALIDITY	DATE: 01/18/17	PRG No.: 0125250	VALIDITY	DATE: 01/18/17	PRG No.: 3068921	VALIDITY	DATE: 01/18/17
PTR No.: 6482783			PLACE ISSUED: BALANGA			LOCATION : BATYAN GENERAL HOSPITAL			BALANGA CITY, BATYAN			TIN No.: 435023585		
DATE: 03/30/17			TIN No.: 103 501 399			DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, STUDY, DESIGN, AND CONSTRUCTION, AS WELL AS THE PREPARATION OF ALL NECESSARY PERMITS AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNDERTAKEN FOR ANY PERSON TO OBTAIN OR MAKE CONTRACTS, AGREEMENTS, OR OTHERS, IN CONNECTION WITH THE PROJECT, AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT.			RA 9256 SECTION 3			DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, STUDY, DESIGN, AND CONSTRUCTION, AS WELL AS THE PREPARATION OF ALL NECESSARY PERMITS AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNDERTAKEN FOR ANY PERSON TO OBTAIN OR MAKE CONTRACTS, AGREEMENTS, OR OTHERS, IN CONNECTION WITH THE PROJECT, AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT.		

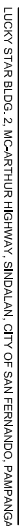


Diagram illustrating the correct installation of a pipe sleeve through a concrete wall. The sleeve is secured with a nut and washer on the exterior side. Labels include: 'PIPE SLEEVE', 'NUT AND WASHER', 'PIPE PASSING THROUGH R.C. CH WALL', 'PIPE PASSING THROUGH R.C. FLOOR SLAB', 'ROOM TO 150MM', and 'SEAL'. A note states: 'NOTE : PIPES PASSING THRU BEAMS ARE NOT REQUIRED TO HAVE SEAL FROM PENETRATION SEAL.'



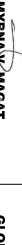

Diagram illustrating a repair method for a pipe using a round bar and a flat bar. The diagram shows a cross-section of a pipe with a shaded area representing the repair. A round bar is inserted into the pipe, and a flat bar is used to apply pressure to the repair area. Labels include: EXPANSION SHIELD, BOTTOM OF SLAB, ROUND BAR, FLAT BAR, and PIPE.

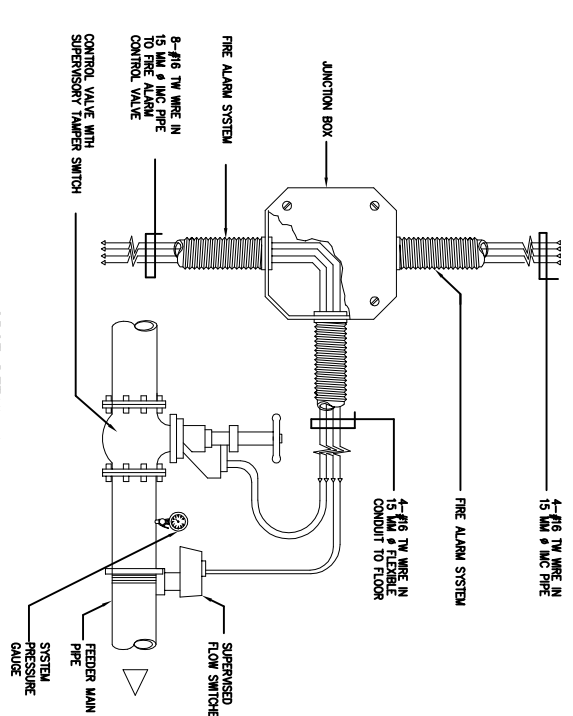
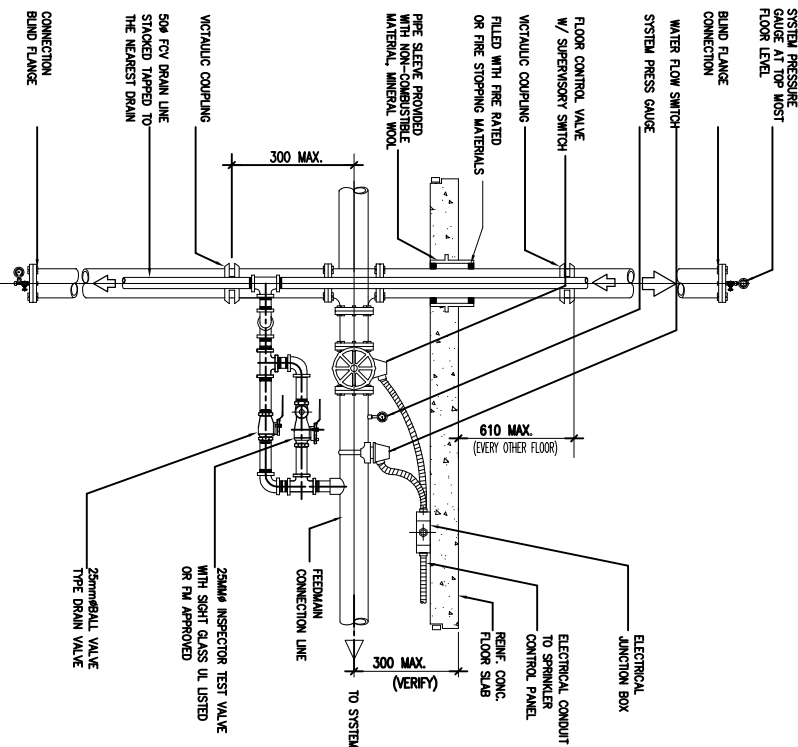
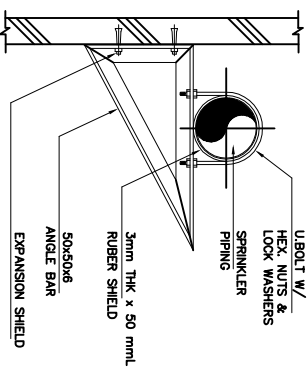
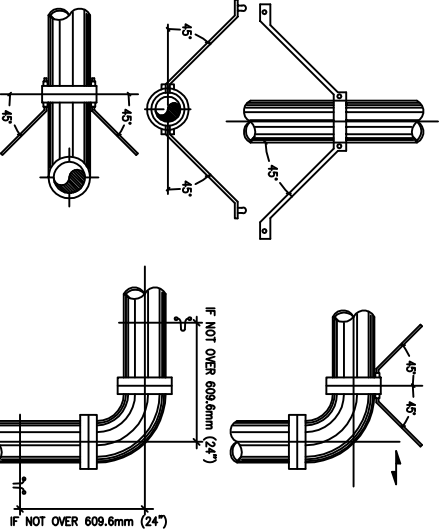
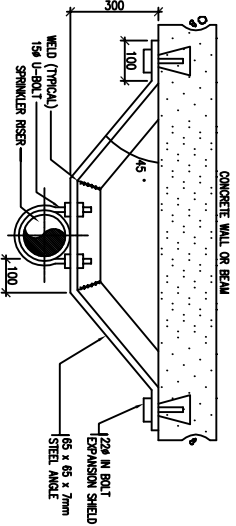
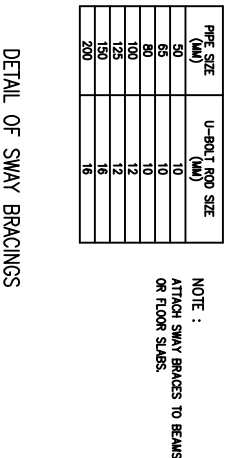
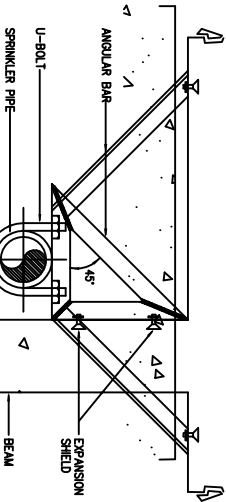
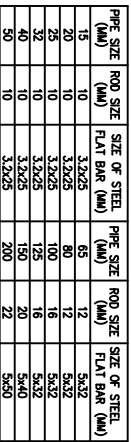
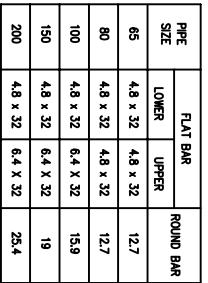
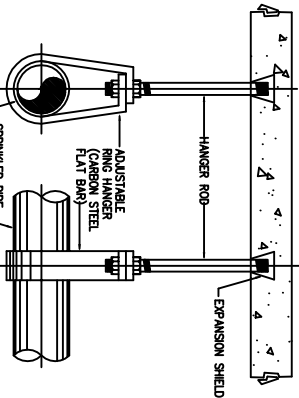
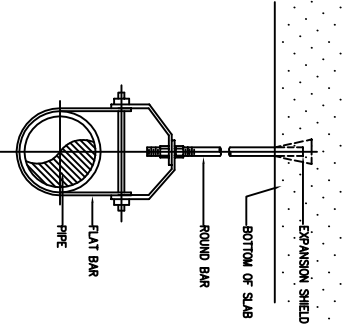
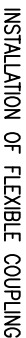
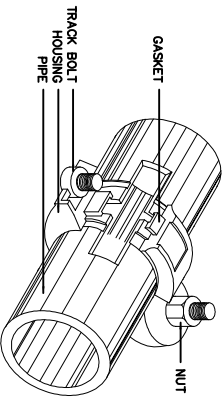
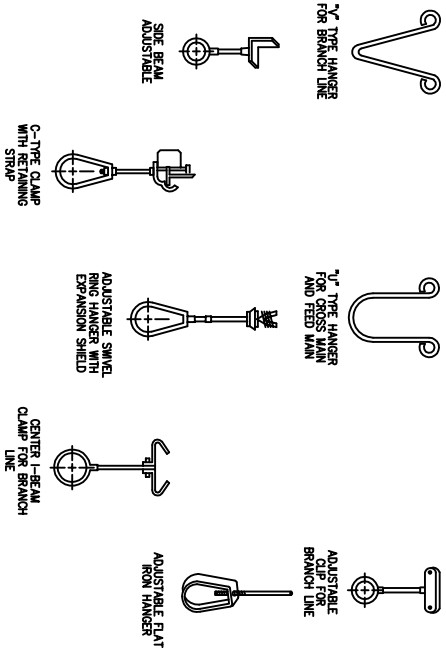
A detailed technical diagram of the adjustable ring hanger assembly. The assembly consists of a vertical hanger rod passing through a horizontal expansion shield. The shield is a rectangular plate with a central hole and four triangular gussets at the corners. The hanger rod is secured by a nut and washer on the left side. On the right side, the rod passes through the shield and is secured by a nut and washer. The shield is labeled "EXPANSION SHIELD". The hanger rod is labeled "HANGER ROD". The nut and washer on the left are labeled "ADJUSTABLE RING HANGER (CARBON STEEL FLAT BAR)". The diagram shows the assembly in a cross-sectional view, highlighting the components and their assembly.

Technical drawing of a beam-to-column connection. The drawing shows a cross-section of a beam (labeled 'BEAM') and a column (labeled 'COLUMN'). An 'EXPANSION SHIELD' is positioned between the beam and the column. An 'ANGULAR BAR' is shown connecting the beam to the column, with a 45-degree angle indicated. A 'U-BOLT' is used to secure the expansion shield. A 'SPRINKLER PIPE' is shown passing through the connection area. The drawing includes various dimension lines and labels for components.

PIPE SIZE (mm)	U-BOLT ROD SIZE (mm)
50	10
65	10
80	10
100	12
125	12
150	16
200	16




U-BOLT DESIGN DATA							
PIPE SIZE (mm)	25	32	38	50	63	75	100
ROD DIAMETER (mm)	9.5	9.9	9.5	9.5	12.7	12.7	12.7

MECHANICAL ENGINEER	RA 9266 SECTION 3	CHECKED BY :  JOHN S. SANTOS MECHANICAL ENGINEER IV	PROJECT TITLE :  <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>	COMMENDING APPROVAL :  MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER	APPROVED BY :  GLORE V. BALTAZAR, MD, MPH, MHA, CSE MEMORIAL CENTER CHIEF II	SHEET CONTENT AS SHOWN	SHEET NO. 
<b>JUAN G. VASQUEZ, PME, MBM</b> PRC No. 00024939 PTR No. 6402783 DATE: 03/30/17	Drawings and specifications, and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the undersigned and shall remain his/her property for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of the same without the written consent of the undersigned. This document is the property of the undersigned and shall remain his/her property and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document. s.	VALIDITY 06/16/19 PLACE ISSUED: PAMP TIN No.: 103 501 399	LOCATION : BATAAN GENERAL HOSPITAL BALANGA CITY, BATAAN				





LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

MECHANICAL ENGINEER		RA 9266 SECTION 3		CHECKED BY : 		PROJECT TITLE : <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL :  MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY :  GLORE V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF II		SHEET CONTENT AS SHOWN		SHEET NO. <div><div>M.01</div><div>110</div></div>	
JUAN G. VASQUEZ, PME, MEM PRC No. 00052499 PTR No. 6482783 DATE: 03/30/17		VALIDITY: 06/16/19 VALIDITY: 06/16/19 PTR No. 6482783 TIN No. 103 501 399		DRAWINGS and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the undersigned and shall remain his/her property for which they are made to executed or not. It shall be unlawful for any person to duplicate or make copies of the drawings, specifications and other documents for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document. %.		JOHN M. SANTOS REGISTERED MECHANICAL ENGINEER IV PRC No. 0125250 PTR No. 3068921 DATE: 01/18/17		VALIDITY LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN							

## GENERAL NOTES:

- [illegible]

36. ALL TIEWALL, UPRIS, WALLS, PANS AND DOWERS ABOVE CEILING SHALL BE ACCESSIBLE, COMPANION, ALL ACCESS PANELS IN CEILINGS OF WALLS WITH ARCHITECTURAL, EJECTED GLASS, PANS AND ACCESSORIES FOR PROPER LOCATION OF ACCESS PANELS BE ALLOWED IN PLACE SAVED WITHIN FROM WITHIN PERIPHERY OF THE ARCHITECT.
37. FLEETED DUCT CONNECTIONS SHALL BE PROVIDED WHERE ALL DOWNDRAFT PASSES ACROSS A BUILDING ELEVATION UNIT, ALL DUCT CONNECTIONS SHALL BE NON-FLAMMABLE, CLASS B, WITH THE DOUBLE COATED WITH METALLIC, PROTECT DUCT SHALL BE TIED TO ENSURE THAT THE UNIT DOES NOT, WORKS, WALLS AND OTHER PERIPHERIES ARE PROPERLY PROTECTED, AS WELL AS THE DUCT, SHALL BE PROTECTED BY STEEL, CONCRETE, STAINLESS STEEL, METAL OR OTHER SOLID.
38. THE CONNECTION SHALL HAVE TIGHT CONNECTION TO ALL EQUIPMENT INSTALLED, BUT NOT BE LIMITED TO ANY DOWERS, AND EQUIPMENT DAMAGED BY OTHER, TIGHT CONNECTION SHALL INCLUDE, BUT NOT BE LIMITED TO ANY DOWERS, METALS, SHOTUP WALLS, AND PRESSURE RESISTING WALLS REQUIRED.
39. THE PRESS AIR DUCT (DOWN DUCT) SERVING EACH THE COIL UNIT SHALL BE PROVIDED WITH VOLUME DOWERS WITHIN EACH UNIT, ALL DOWN DRAFT PASSES TO EACH OF THE -DOWN DRAFT FLOOR DOWNS TO CONNECT TO THE UPDRAFT AIR PANS, ALL DOWN DRAFT PASSES TO EACH OF THE -DOWN DRAFT FLOOR DOWNS TO CONNECT TO THE UPDRAFT AIR PANS SHALL, DOWN DRAFT PASSES TO EACH OF THE -DOWN DRAFT FLOOR DOWNS TO CONNECT TO THE UPDRAFT AIR PANS PROVIDED UNDER PLUMBING/SUPPLYING WAYS.
40. ALL PANS, FLYS, AND OTHER AIR DISTRIBUTION EQUIPMENT INCLUDING DOWNDRAFT AND DOWN DRAFT, FISH OR FEEDERS SHALL BE PROVIDED WITH DOWNDRAFT DOWERS, WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
41. AFTER SUBMITTAL, APPROVED AND PRIOR TO ORDERING OF ANY EQUIPMENT OR ACCESSORIES, OR BEFORE TRANSPORTATION, ALL EQUIPMENT SHALL BE PROVIDED WITH DOWNDRAFT DOWERS, WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
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ABBREVIATIONS			
SLF#	SERVICE LIFT PRESSURIZATION FAN	MO	MOTORIZED DAMPER
SEF	SMOKE EXHAUST FAN	WFO	WHAIRL FREQUENCY DRIVE
SFP	STAIR PRESSURIZATION FAN	LCP	LOCAL CONTROL PANEL
ST	SUPPLY FAN	LPS	LITERS PER SECOND
TF	TRANSFER EXHAUST FAN	TRS	TONS OF REFRIGERATION
GEF	GENERAL EXHAUST FAN	HCMT	HEAD COUNT
TEF	TOILET EXHAUST FAN	L/L	LOOSE LEAK
KET	KITCHEN EXHAUST FAN	H/L	HIGH LEVEL
KSF	KITCHEN SUPPLY FAN	F/A	FRESH AIR FLOW
FCU	FAN COIL UNIT	F/B	FRESH BELOW
HU	AIR HANDLING UNIT	T/A	TO ABOVE
PHU	PRE-COOLED AIR HANDLING UNIT	T/B	TO BELOW
SUO	SUPPLY AIR DUCT	A/P	ACCESS PANEL
EDU	EXHAUST AIR DUCT	R/R	RETURN AIR REGISTER
FDU	FRESH AIR DUCT	SA	SOUND ATTENUATOR
PAU	PRESSURIZATION AIR DUCT	DU	DOOR UNDERCUT
SAR	SUPPLY AIR REGISTER	RL	DOOR LOCKER
EAR	EXHAUST AIR REGISTER	SV	SHUT-OFF VALVE
PAR	PRESSURIZATION AIR REGISTER	M/S	NOT TO SCALE
SAG	SUPPLY AIR GATE	FTL	FINISHED FLOOR LEVEL
BAG	EXHAUST AIR GATE	BD / BOD	BLOCK DRAFT DAMPER
FAG	FRESH AIR GATE	VO	VOLUME CONTROL DAMPER
TAG	TRANSFER AIR GATE	SCD	SUPPLY CEILING DIFFUSER
EAL	EXHAUST AIR LOWER	RF	RETURN FAN
FAL	FRESH AIR LOWER	WV	WHAIRL AIR VOLUME
RAU	RETURN AIR GATE	FTU	FAN FILTER UNIT
SD	SHUTTER DAMPER	RAU	RETURN AIR DUCT

## LEGEND & SYMBOLS

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	VANE AXIAL VENTILATION FAN		EXHAUST AIR DUCT / RETURN DUCT
	PROPELLER FAN		SUPPLY OR OUTSIDE AIR DUCT
	CENTRIFUGAL FAN		RETURN OR EXHAUST DUCT
	SOUND ATTENUATOR		SUPPLY DUCT DOWN
	FIRE DAMPER		RETURN DUCT DOWN
	FLEXIBLE CONNECTION (OPTIONAL)		ROUND DUCT UP
	VOLUME CONTROL DAMPER		ROUND DUCT DOWN
	2 HOURS FIRE-RATED DUCT WITH RESPECT TO A FIRE RISK & OUTSIDE THE DUCT RECTANGULAR TO ROUND / OVAL DUCT		GULL OR REGISTER
	SPLITTER DAMPER		GULL OR REGISTER
	DUCT WITH ACOUSTIC LINING		GULL OR REGISTER
	DOUBLE LINE DUCT		GULL OR REGISTER
	FLOODING DUCT		GULL OR REGISTER
	600/600 / 1200/600 EXHAUST AIR GRILLE (CEILING MOUNTED)		CONDENSATE RETURN
	FIRE RATED SMOKE / DOUBLE OPERATION GRILLE (UNLESS OTHERWISE NOTED)		FIRE, OIL, SUPPLY
	DOOR LOUVERS BY BUILDER, AIR FLOW DIRECTION INDICATED		FIRE, OIL, RETURN
	ROUND CEILING DIFFUSER		ACCESS DOOR
	SQUARE CEILING DIFFUSER		MOTOR OPERATED DAMPER
	ANTI-ROTATION MOUNTING		FIRE DAMPER (IN RISER)
	ACCESS PANEL		BLANKING DAMPER IN (IN RISER)
	ROOM DIFFERENTIAL PRESSURE INDICATOR, ROOM OF ORIGIN, ROOM OF RETURN, ROOM OF EXHAUST		MOTORIZED DAMPER (IN RISER)
	ACCESS PANEL		THERMOSTAT / TEMPERATURE TRANSMITTERS
	RECESSED INDICATOR PANEL, (FOR TEMP, RH, ROOM PRESSURE DIFFERENTIAL, ETC.)		
	ROOM TEMPERATURE AND RH INDICATOR / TRANSMITTERS		
	ISOLATOR		
	MOTOR CONTROL PANEL		
	HEAT DETECTOR		
	DUCT MOUNTED ELECTRIC REHEAT COIL		
	LOCAL CONTROL PANEL		

## LEGEND & SYMBOLS

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
①	TEMPERATURE		CAPPED PIPE
②	CARBON MONOXIDE SENSOR		DIRECTION OF FLOW
REC	REMOTE CONTROL CENTER		PIPE ELBOW
	EXPANSION JOINT		CONTINUOUS PIPE
	PIPE CLAMP		UNION
	VARIABLE SPEED DRIVE		STRUTTER
	SHOCK DAMPER		FLEXIBLE PIPE CONNECTION
	WINDUP DAMPER		FLAP
	BACKFLOW DAMPER		PIPE RUN
	HYDROZONED COMPARTMENT FIRE AND SMOKE DAMPER		FIRE STOP

**SHEET NO.**

**M.01**

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## EQUIPMENT SCHEDULE

## SPLIT TYPE AIR COOLED CONDENSING UNITS:

DESIGNATION	T I P E	CAPACITY KVA/HP EACH	COMPRESSOR DATA				AIR COOLED CONDENSER DATA		ELECTRICAL CHARACTERISTICS	RE M A R K S	
			WATER INLET	WATER RETURN	STANDARD SECT. TEMP. °C	CONDENSING TEMP. °C	DESIGNED AMBIENT TEMP. °C	NO. OF CONDENSER TUBES			FW MOTOR HOURS
ACQ-0-7 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	2117	700	R-410A	4,4	49	35	ONE(1) PROPELLER	50 W	230V/1Ph/60Hz	UNITS SHALL BE SUPPLIED FOR OUTDOOR INSTALLATION AND SHALL BE CAPABLE OF WITHSTANDING AMBIENT TEMPERATURES UP TO 45°C (113°F) WITHOUT THE NECESSITY OF REFRIGERANT RECHARGE. UNITS SHALL BE SUPPLIED COMPLETE WITH THE REQUIRED CONTROLS AND SAFETY FEATURES TO BUREAU OF STANDARDS REQUIREMENTS.
ACQ-1-0 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	3024	850	R-410A	4,4	49	35	ONE(1) PROPELLER	60 W	230V/1Ph/60Hz	
ACQ-1-5 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	4536	1400	R-410A	4,4	49	35	ONE(1) PROPELLER	120 W	230V/1Ph/60Hz	
ACQ-2-0 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	1700	1700	R-410A	4,4	49	35	ONE(1) PROPELLER	20 W	230V/1Ph/60Hz	
ACQ-3-0 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	9072	2590	R-410A	4,4	49	35	ONE(1) PROPELLER	160 W	230V/1Ph/60Hz	
ACQ-5-0 TR	AN COOLED CONDENSING UNIT HORIZONTAL, NH ISOLANNE OUTDOOR TYPE	18112	4200	R-410A	4,4	49	35	ONE(1) PROPELLER	300 W	230V/3Ph/60Hz	

### SPLIT TYPE FAN COIL UNITS:

DESIGNATION	T Y P E	COOLING DATA				REF. PRP. DATA				CONDENSER DATA				REMARKS
		CONDENS. TEMPERATURE °C/°F	ENTERING AIR TEMP./°C/°F	LEAVING AIR TEMP./°C/°F	REF. AIRFLOW LITERS/SEC	CONDENS. TEMPERATURE °C/°F	SCHEMATIC	LOAD	REF. AIRFLOW LITERS/SEC	CONDENS. TEMPERATURE °C/°F	ENTERING AIR TEMP./°C/°F	LEAVING AIR TEMP./°C/°F	REF. AIRFLOW LITERS/SEC	
FCU-4.75 TR	WALL MOUNTED FAN COIL UNIT	2117	26.7 DB/ 80.4 WB	12.7 DB/ 12.2 WB	4.4	12.7	6.4	600	20 W	230V/1PH/60HZ	DISPOSABLE	WASHABLE TYPE		
FCU-1.0 TR	WALL MOUNTED FAN COIL UNIT	3204	26.7 DB/ 80.4 WB	12.7 DB/ 12.2 WB	4.4	12.7	6.4	640	35 W	230V/1PH/60HZ	DISPOSABLE	WASHABLE TYPE		
FCU-1.5 TR	CEILING MOUNTED FAN COIL UNIT	4638	26.7 DB/ 80.4 WB	12.7 DB/ 12.2 WB	4.4	12.7	6.4	1080	88 W	230V/1PH/60HZ	WASHABLE TYPE		DO NOT USE FOR CONDENSING UNIT. USE ONLY FOR COOLING. DO NOT USE FOR CONDENSING	

## WINDOW TYPE AIR CONDITIONER






DESIGNATION	TYPE	COOLING DATA		WATER INLET	ELECTRICAL OVERCURRENTING	AIR FILTERS	REMARKS
		COMPRESSOR WATER FLOW GPM/HR	REF. TOW °F				
WMO-1.0 HP	WMO-1.0 HP AF COMPRESSOR	2117	800	780 W	230V/1P/60HZ	APPROXIMATE WASHABLE TYPE	ECHO UNIT SHALL BE CONNECTED TO THE MAIN AND GROUND AND APPROXIMATELY 10 FEET FROM COIL. DRAINAGE TO BE PROVIDED TO THE MAIN DRAINAGE SYSTEM. APPROXIMATELY 10 FEET FROM COIL. SWITCH TO BE PROVIDED TO THE MAIN DRAINAGE SYSTEM.
WMO-1.2 HP	WMO-1.2 HP AF COMPRESSOR	3024	840	1170 W	230V/1P/60HZ	APPROXIMATE WASHABLE TYPE	
WMO-2.0 HP	WMO-2.0 HP AF COMPRESSOR	4038	1080	1580 W	230V/1P/60HZ	APPROXIMATE WASHABLE TYPE	
WMO-2.0 HP	WMO-2.0 HP AF COMPRESSOR	4038	1080	1580 W	230V/1P/60HZ	APPROXIMATE WASHABLE TYPE	

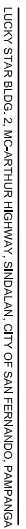
## VENTILATING FANS

DESIGNATION	DESCRIPTION	AIR FLOW CAPACITY Liters/Second	ESP, S.P. (Pa)	ELECTRICAL INPUT	POWER INPUT
EF-30 LPS	EXHAUST AIR FAN, CEILING MOUNTED DUCTED, CASSETTE TYPE, W/ S.S. RAINDOOD	30	150	220V/1ø/60Hz	13 WATTS
EF-85 LPS	EXHAUST AIR FAN, CEILING MOUNTED DUCTED, CASSETTE TYPE, W/ S.S. RAINDOOD	85	150	220V/1ø/60Hz	31 WATTS
EF-150 LPS	EXHAUST FAN, WALL MOUNTED, HEAVY DUTY W/ SHUTTER	340	200	220V/1ø/60Hz	80 WATTS
EF-350 LPS	EXHAUST FAN, WALL MOUNTED, HEAVY DUTY W/ SHUTTER	340	200	220V/1ø/60Hz	150 WATTS
SF-150 LPS	SUPPLY AIR FAN, IN LINE AXIAL TYPE	150	150	220V/1ø/60Hz	125 WATTS

## SCHEDULE OF EQUIPMENT - ELEVATOR

EQUIP. DESIGNATION	TYPE	CAPACITY	SPEED	CAR DIMENSIONS (mm)	ENTRANCE FINISHES	CAR FINISHES	MOTOR RATING			ADDITIONAL FEATURES	
							WATTS	VOLTS	PHASE		
BED/PASSENGER ELEVATOR	MACHINE-ROOMLESS TRACTION TYPE	1,600 KGS	1.0 METERS/SEC	1200W x 2300H x 2300H	FRAMES AND DOORS - STAINLESS STEEL; SILLS - ALUMINUM ALLOY	HAIRLINE STAINLESS STEEL	10,000	230	60	3	CAR CHIME, EMERGENCY FIREMAN SERVICE, AUTOMATIC RESCUE DEVICE

<div><div><div><div>Lucky Star</div><div>CONSTRUCTION &amp; TRADING</div></div></div><div><div>SERVICES:</div><div>DESIGN • DEVELOPMENT • CONSTRUCTION</div><div>TRUCKING • EQUIPMENT RENTALS</div></div></div> <div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SANDALAN CITY OF SAN FERNANDO, PAMPANGA</div></div>			
<div><div>MECHANICAL ENGINEER</div><div></div><div><div>JUAN G. VASQUEZ, PME, MBM</div><div>PRC No. 0002493</div><div>PTR No. 6482783</div><div>DATE: 03/30/17</div></div></div> <div><div>RA 9266 SECTION 3</div></div>		<div><div>Drawings and specifications, and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the firm and shall remain the property of the firm for which they are made. If they are loaned for any purpose to duplicate or make copies, the user shall be held responsible for the cost of the original and for other projects or buildings, whether executed jointly or in whole, without the written consent of the architect or author of said document.</div><div><div>PRC No. 0125250</div><div>VALIDITY</div><div>DATE: 01/18/17</div></div><div><div>JOHN S. SANTOS</div><div>ENGINEER IV</div><div>PRC No. 3058921</div><div>PLACE ISSUED: BALANGA</div><div>TIN No.: 435023585</div></div></div> <div><div>CHECKED BY: </div></div>	
<div><div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div><div><div>LOCATION: BATAAN GENERAL HOSPITAL</div><div>BALANGA CITY, BATAAN</div></div></div>		<div><div>PROJECT TITLE: </div><div><div>MYRNA V. MAGAT</div><div>CHIEF ADMINISTRATIVE OFFICER</div><div>DATE: 01/18/17</div></div></div> <div><div>COMMENDING APPROVAL: </div><div><div>GLORIA V. BALTAZAR, MD, MPH, MBA, CSE</div><div>MEMORIAL CENTER CHIEF II</div></div></div>	
<div><div>AS SHOWN</div></div>		<div><div>SHEET NO.</div><div><div>M.02</div><div>210</div></div></div>	



Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the project for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed or not, without the written consent of the architect or author of said document. 5.

**PROJECT TITLE :**

**PROPOSED 5 STOREY MULTT  
SPECIALTY BUILDING**

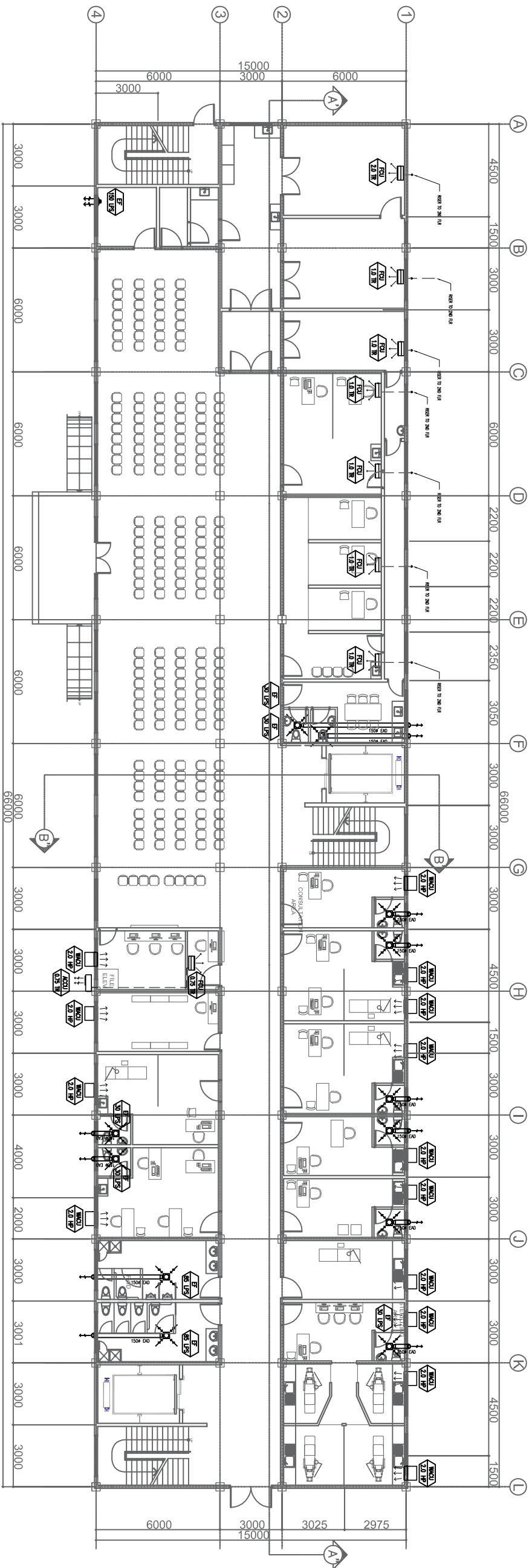
**LOCATION : BATYAN GENERAL HOSPITAL**

**BALANGA CITY, BATYAN**

APPROVED BY: \_\_\_\_\_

GLORY V. BALTZAR, MD, MPH, MBA, CSE  
MEDICAL CENTER CHIEF II

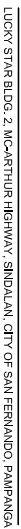
SHEET NO.




1 GROUND FLOOR AIR CONDITIONING PLAN  
M-03 SCALE 1 : 100 METERS







**LUCKY STAR**  
CONSTRUCTION & TRADING  
SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION  
TRADING • REMEDIATION

<b>MECHANICAL ENGINEER</b>	
	
<b>JUAN G. VASQUEZ, PME, MBM</b>	
<b>PRC No.:</b> 0002499	<b>VALIDITY:</b> 06/16/19
<b>PTR No.:</b> 6482783	<b>PLACE ISSUED:</b> PAMP
<b>DATE:</b> 03/30/17	<b>TIN No.:</b> 003 501 399

RA 9266 SECTION 3

**Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect, whether the objects for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of any other projects or buildings, whether executed or not, in whole, without the written consent of the architect or author of said document. 5.**

**CHECKED BY**

 <b>JOHN DARRELL M. SANTOS</b> ENGINEER IV	
<b>PRC No.1 0125250</b>	<b>VALIDITY</b>
<b>PTR No.: 3058921</b>	<b>PLACE ISSUED: BAL</b>
<b>DATE: 01/8/17</b>	<b>TIN No.: 435023585</b>

PROJECT TITLE

**PROPOSED 5 STOREY MULTT  
SPECIALTY BUILDING**

---

**LOCATION : BATAAN GENERAL HOSPITAL**

---

**BALANGA CITY, BATAAN**

### COMMENDING APPROVAL

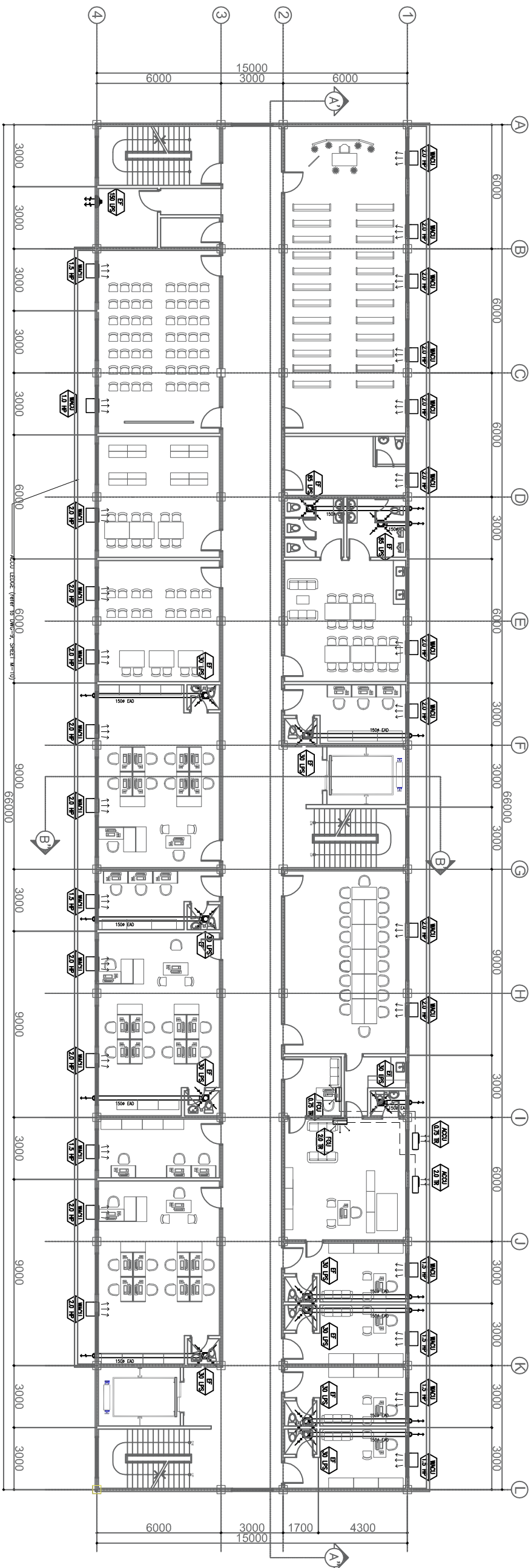
**MYRNA V. MAGAT**  
**CHIEF ADMINISTRATIVE OFFICER**

**APPROVED BY**

  
GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF II

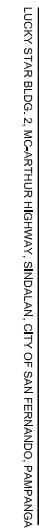
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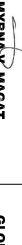

**SHEET NO.**

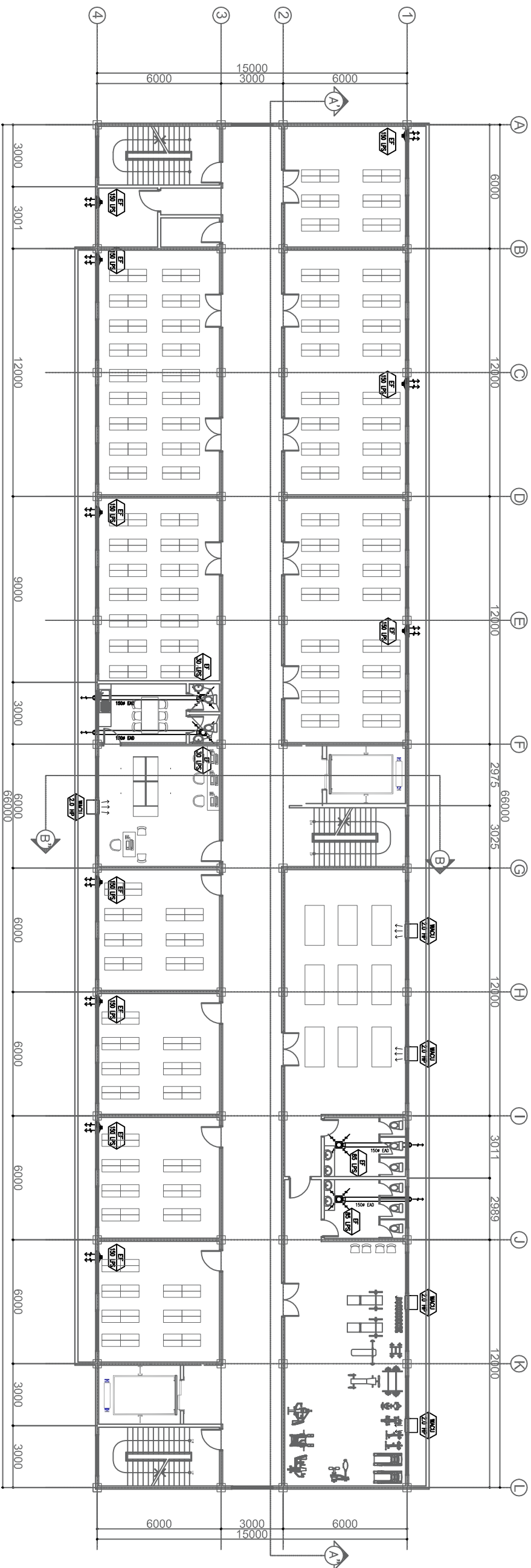


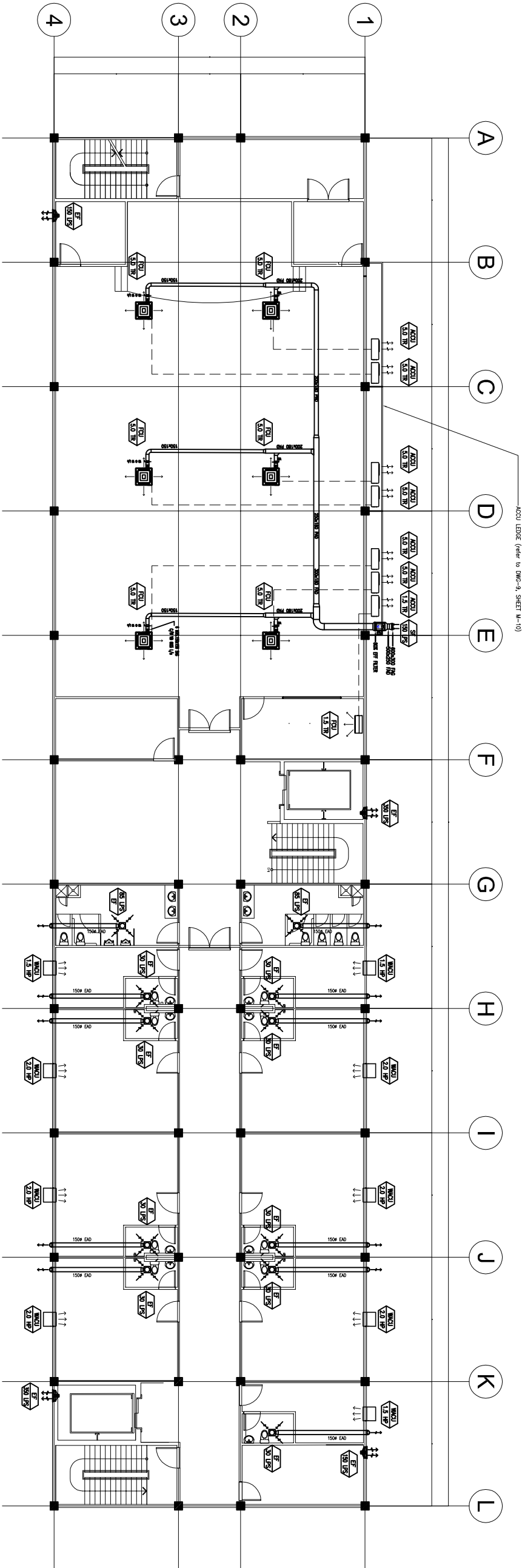
1 THIRD FLOOR AIR CONDITIONING PLAN  
M-05 SCALE 1 : 100 METERS

1:100 METERS



MECHANICAL ENGINEER	RA 9266 SECTION 3	CHECKED BY :  JOHN S. SANTOS MECHANICAL ENGINEER IV	PROJECT TITLE :  <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>	COMMENDING APPROVAL :  MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER	APPROVED BY :  GLORLY V. BALTAZAR, MD, MPH, MHA, CSE MEMORIAL CENTER CHIEF II	SHEET CONTENT AS SHOWN	SHEET NO. <div><div>M.06</div><div>610</div></div>
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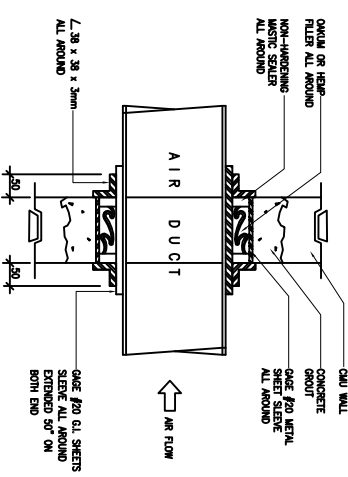
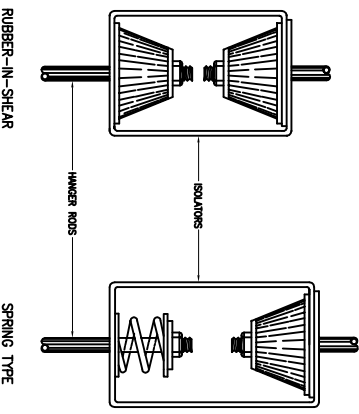
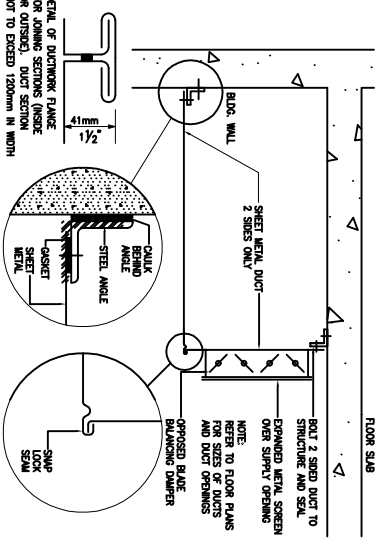
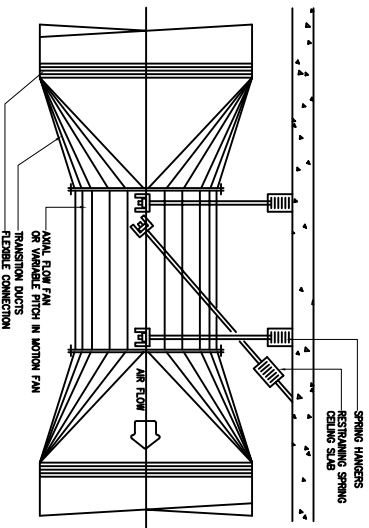
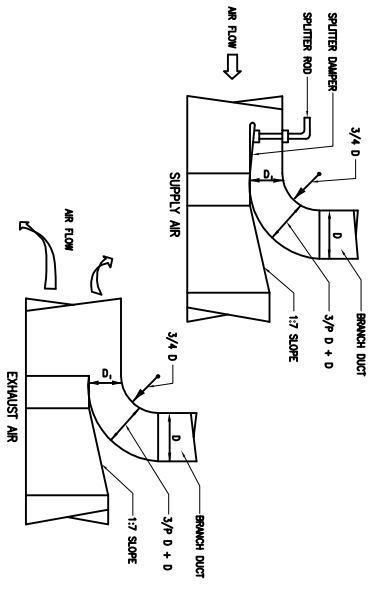
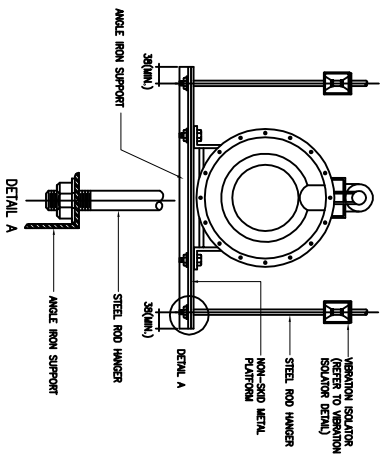
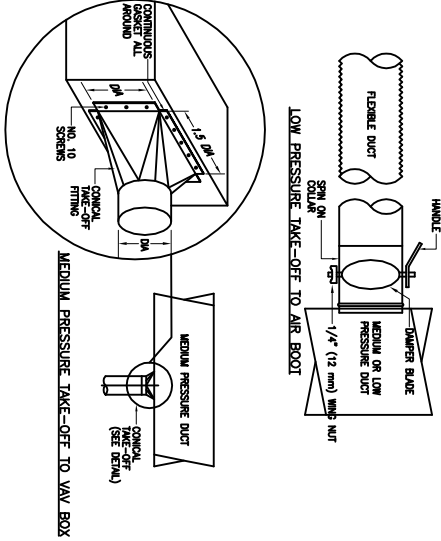
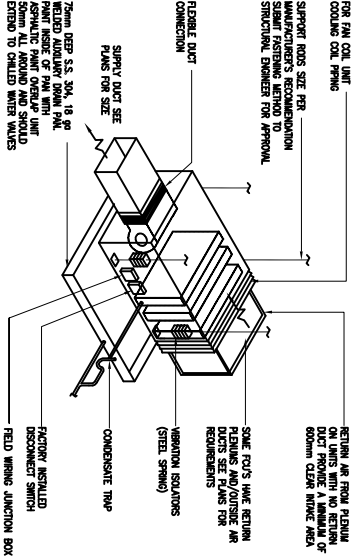
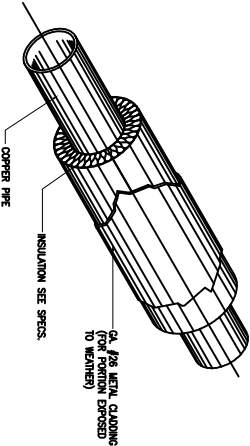
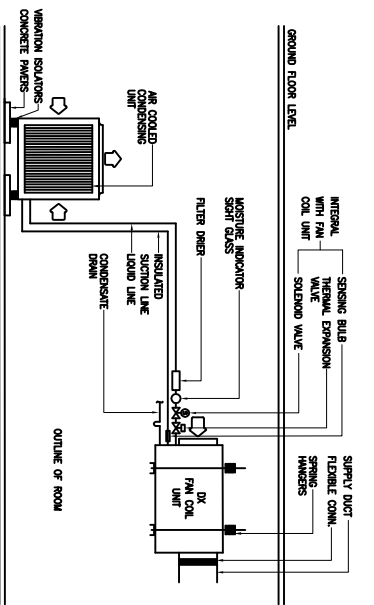
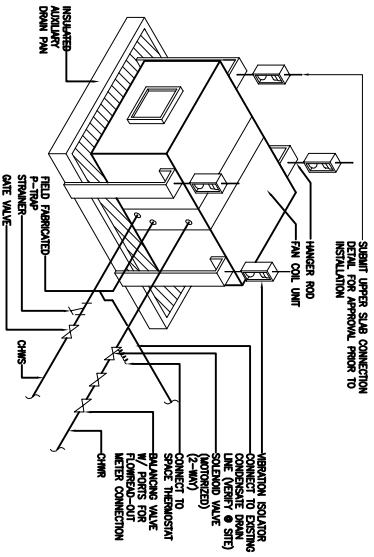
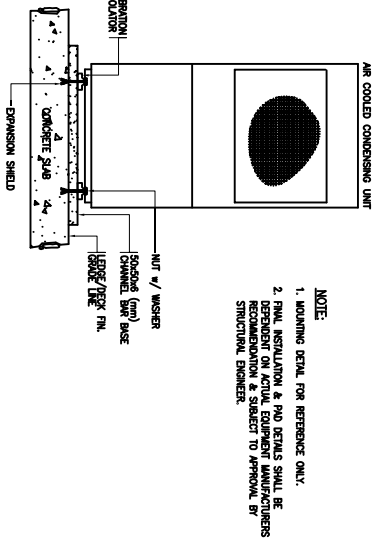
1 FIFTH FLOOR AIR CONDITIONING PLAN  
M-07 SCALE  
1 : 100 METERS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

MECHANICAL ENGINEER		RA 9256 SECTION 3		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT AS SHOWN	SHEET NO. M.07 7 / 10
JUAN G. VASQUEZ, PME, MBM		Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, shall be the property of the architect, whether the object for which they are made is executed or not. It shall be understood for any person to duplicate or make copies of said drawings, specifications and other contract documents, without the written consent of the architect or author of said document, is.		PRC No.: 0002499 PTR No.: 6482783 DATE: 03/30/17		VALIDITY 06/16/19 PLACE ISSUED: PAMP TIN No.: 103 501 399		PRC No.: 0125250 PTR No.: 3068921 DATE: 01/18/17		BALANGA CITY, BATIAN			





1 ACCU MOUNTING DETAIL

2 TYPICAL FAN COIL UNIT MOUNTING & CONNECTING DETAIL

3 SPLIT SYSTEM A/C SYSTEM

4 REFRIGERANT PIPE INSULATION DETAIL

5 CONCEALED HORIZONTAL FAN COIL UNIT DETAIL

6 DUCT TAKE-OFF

7 HORIZONTAL FAN MOUNTING DETAIL

8 TYPICAL DUCT TAKE OFF DETAIL

9 SUSPENDED AXIAL OR VPM FAN

10 DETAIL OF 2 SIDED SUPPLY DUCT (TYPICAL)

11 VIBRATION ISOLATORS HANGER DETAIL

12 DUCT THRU WALL DETAIL



Lucky Star Bldg. 2, McArthur Highway, Sindalan, City of San Fernando, Pampanga

MECHANICAL ENGINEER	
JUAN G. VASQUEZ, PME, MBM	
PRC No.: 0002499	VALIDITY 06/16/19
PTR No.: 6482783	PLACE ISSUED: PAMP
DATE: 03/30/17	TIN No.: 103 501 399

Drawings and specifications and other contract documents shall be read and interpreted in accordance with the provisions of the Philippine Mechanical Code and the provisions of the Philippine Mechanical Code shall prevail in the event of any conflict between the provisions of the Philippine Mechanical Code and the provisions of the contract documents.

CHECKED BY: JOHN DARREL M. SANTOS	
PRC No.: 0125250	VALIDITY
PTR No.: 3068921	PLACE ISSUED: BALANGA
DATE: 01/18/17	TIN No.: 435023585

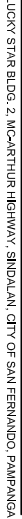
PROJECT TITLE: PROPOSED 5 STOREY MULTI SPECIALTY BUILDING	
LOCATION: BATYAN GENERAL HOSPITAL	
BALANGA CITY, BATYAN	

COMMENDING APPROVAL: MYRNA V. MACAT	
CHIEF ADMINISTRATIVE OFFICER	

APPROVED BY: GLORY V. BALITZAR MD, MPH, MHA, CESE	
MEDICAL CENTER CHIEF	

SHEET CONTENT: AS SHOWN	
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SHEET NO. M.08	
8 10	



Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect, whether the object of the contract for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of the same without the written consent of the party or its holder, without the written consent of the architect or author of said document. s.

**PROPOSED 5 STOREY MULTT  
SPECIALTY BUILDING**

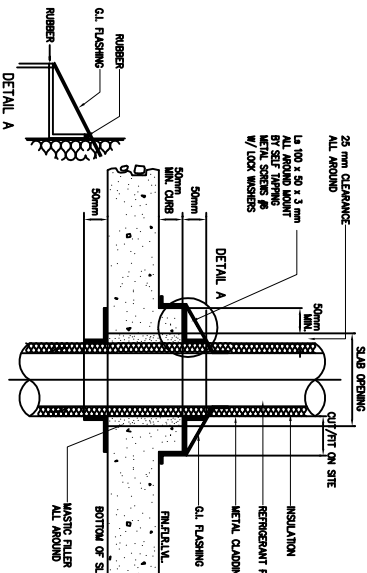
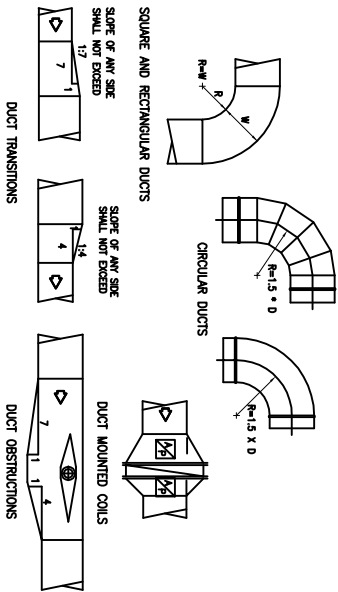
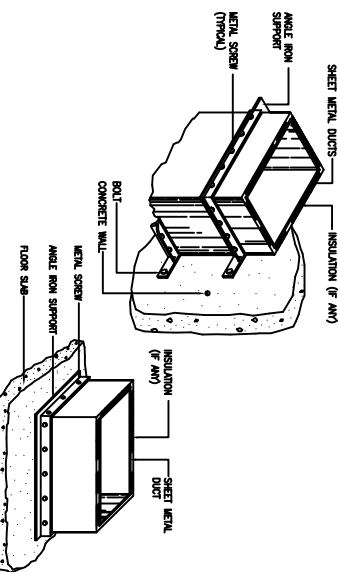
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**LOCATION : BATYAN GENERAL HOSPITAL**

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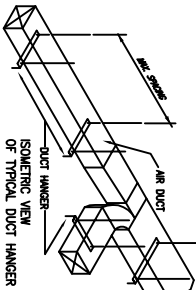
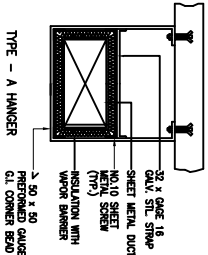
**BALANGA CITY, BATYAN**

GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF IT

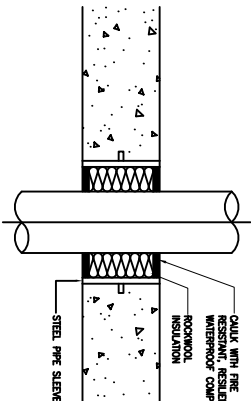
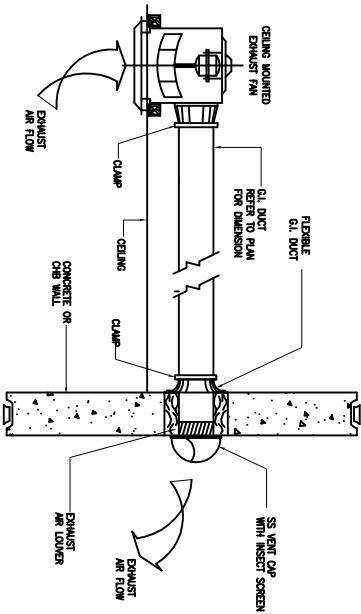
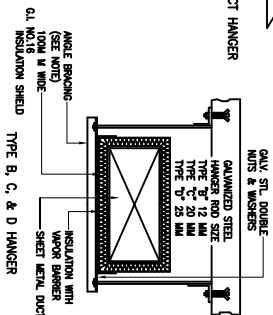


### VERTICAL PIPE INSULATION DETAIL

- NOTES:**
1. FOR SEVERAL DUCTS ON ONE HANGER TYPE "B", "C", OR "D" MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON THE BASIS OF DUCT WIDTHS EQUAL TO MAX. WIDTH OF DUCT SCHEDULE.
  2. SCHEDULE OF ANGLES FOR BRACING TYPE "B": 3x3x3/8  
ANGLE, MAX. SPACING 2400 CENTERS; TYPE "C": 3x3x5/8  
ANGLE, MAX. SPACING 2400 CENTERS; TYPE "D": 5x5x6/8  
MAX. SPACING 1200 CENTERS.
  3. MAX. SPACING FOR TYPE "A" HANGER = 2400.

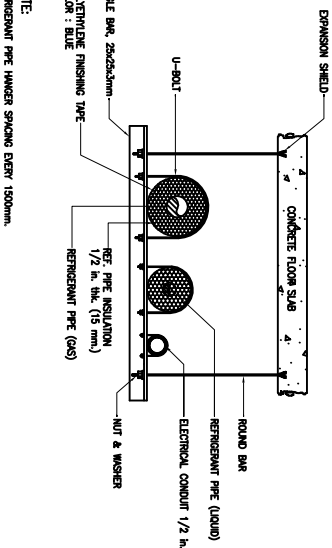
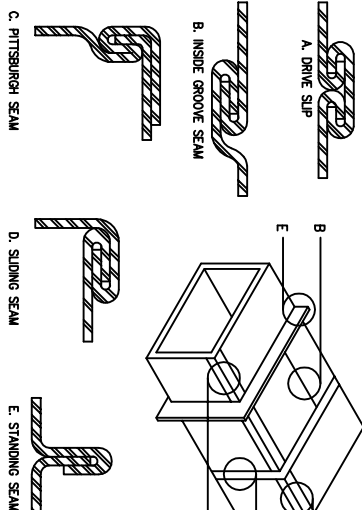
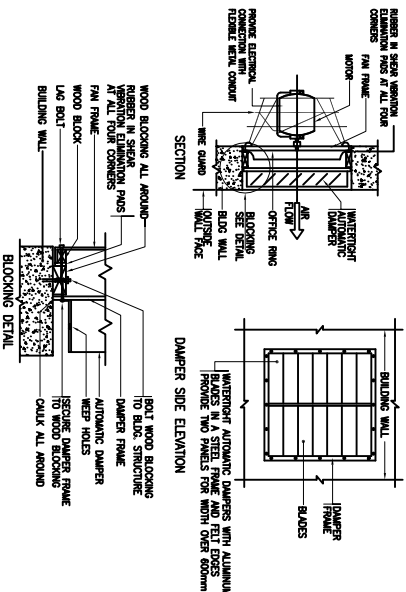


DUCT SCHEDULE		TYPE OF HANGER
DUCT WIDTH MM	UP TO 450	
475	1500	"A"
1525	2400	"C"
OVER 2400		"D"



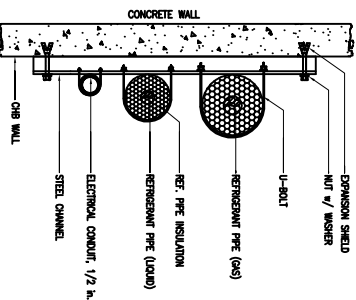
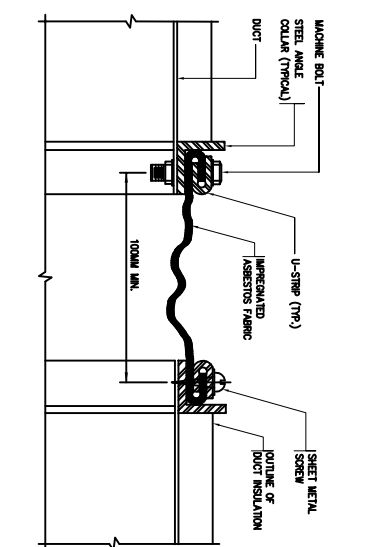
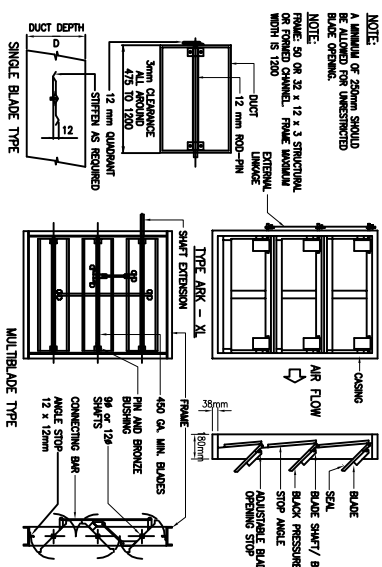
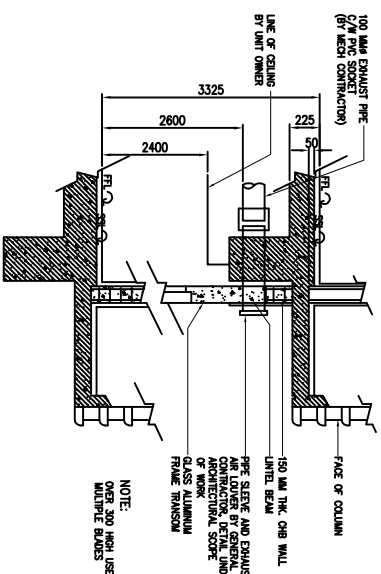
**NOTE:**  
ABOVE DETAILS ARE INDICATIVE ONLY-ACTUAL DETAIL SHALL FOLLOW SPECIFIC MANUFACTURERS STANDARD DETAIL BASED ON THEIR APPROVED LISTING. ACCEPTABLE FIRESTOP SYSTEMS ARE HILTI, 3M, RECTOR SEAL, METACOLK.

7) FIRE RATED PIPE SLEEVE



## 11 MOUNTING & INSULATION DETAIL

11	M
M-09	NTS

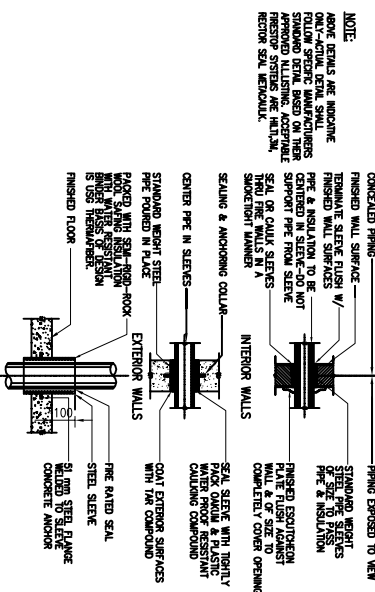
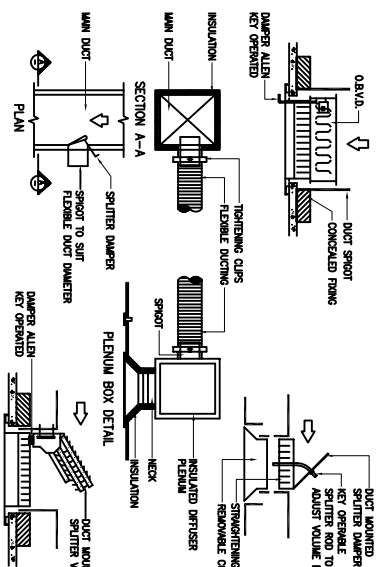
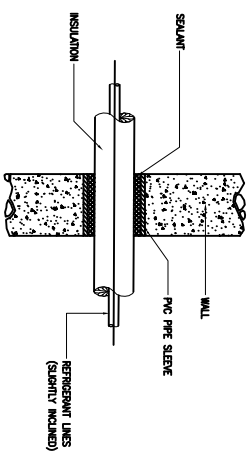
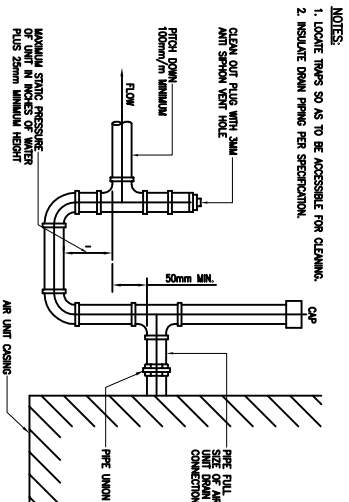


1 TYPICAL TOILET EXHAUST PIPE  
INSTALLATION DETAIL-MEDICAL ARTS BLDG.

## 2 VOLUME DAMPER DETAIL

## FLEXIBLE DUCT CONNECTOR DETAIL

## PIPE BRACKET ALONG WALLS

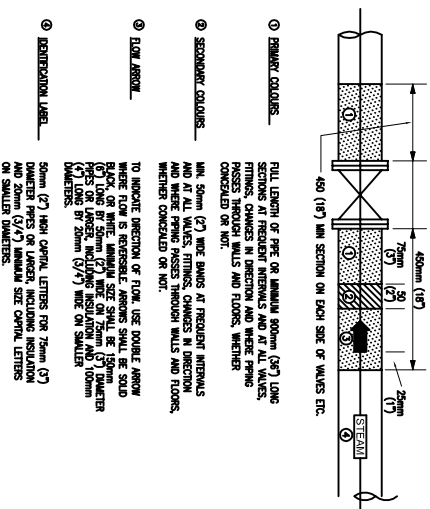
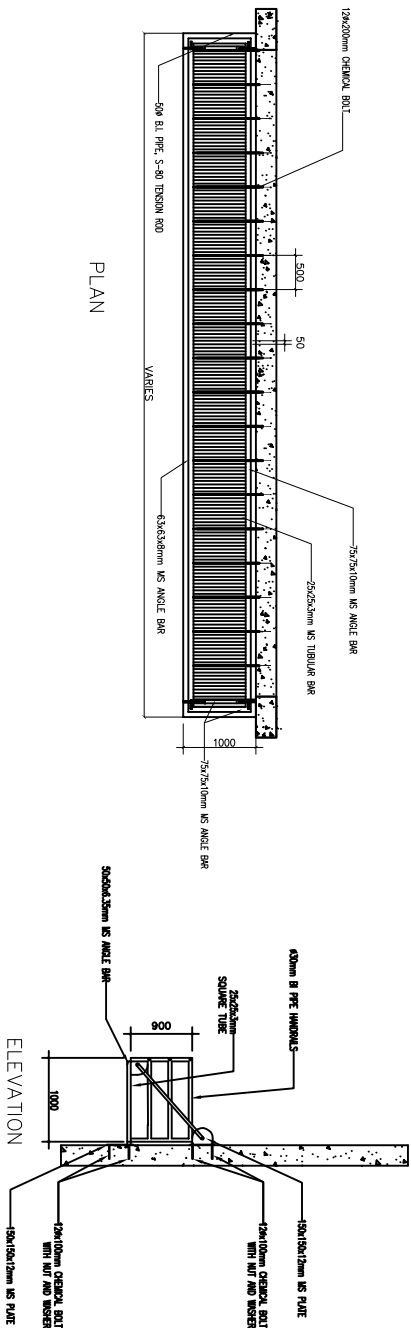


5	CONDENSATE DRAIN TRAP
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6 REFRIGERANT PIPE THRU WALL DETAIL

## 7 DETAILS OF DIFFUSER AND REGISTER

## 8 TYPICAL PIPE SLEEVE DETAIL

[illegible]

## 9 TYPICAL ACCU PLATFORM LEDGE

10 COLOR CODING FOR PIPING

MECHANICAL ENGINEER

341

PROJECT TITLE:

### COMMENDING APPROVAL

BY ■

**SHEET NO.**

# LUCKY STAR

**SERVICES:** DESIGN • DEVELOPMENT • CONSTRUCTION  
TRUCKING • EQUIPMENT RENTAL

DESIGN • DEVELOPMENT • CONSTRUCTION • EQUIPMENT DETAILS

## INSTRUCTION

1

<b>JUAN G. VASQUEZ, PME, MBM</b>	
<b>PRC No.1 0002499</b>	<b>VALIDITY: 06/16/19</b>

Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect, whether the objects of which they are made is executed or not. It shall be unlawful for any person to duplicate or make use of said documents for use in the repetition of

PRC No.1 0125250	VALIDITY
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# PROPOSED 5 STOREY MULTISPECIALTY BUILDING

**CHIEF ADMINISTRATIVE OFFICER**

**MEDICAL CENTER CHIEF II**

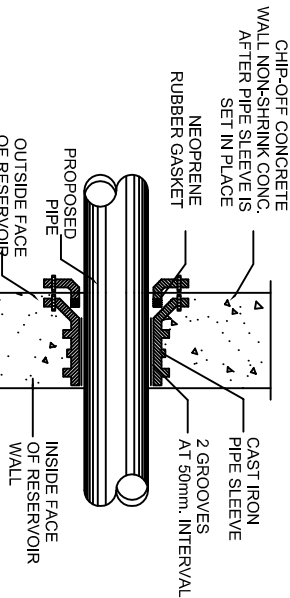
M.10	10
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# THE CYANOLOGICAL

- |     |                  |
|-----|------------------|
| SP  | SOIL PIPE        |
| VP  | VENT PIPE        |
| WL  | COLD WATER LINE  |
| SS  | SOIL STACK       |
| VS  | VENT STACK       |
| FCO | FLOOR CLEANOUT   |
| CCO | CILLINE CLEANOUT |
| CO  | CLEANOUT         |
| LAV | LAVATORY         |
| FD  | FLOOR DRAIN      |
| GV  | GATE VALVE       |
| WC  | WATER CLOSET     |
| DS  | DOWNSPOUT        |
| DP  | DRAIN PIPE       |

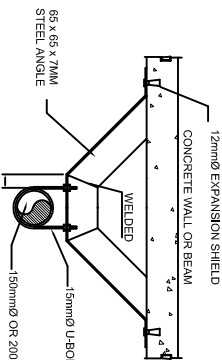


PIPE SIZE	STEEL PLATE BARS		ROD		MACHINE ROLL W/NT (OD, L) mm.
	IN. [CONVERSION: *25.4]	[CONVERSION: *25.4]	mm.	IN.	
50	2	5.2 x 25.4 MM	4.8 x 25.4 MM	9/8	3.50 x 600 MM L
60	2 1/2	6.3 x 25.4 MM	4.8 x 25.4 MM	9/8	9.50 x 615 MM L
80	3	7.3 x 27.3 MM	4.8 x 28 MM	9/8	9.50 x 677 MM L
100	4	8.3 x 25.4 MM	4.8 x 28 MM	9/8	12.00 x 615 MM L
150	6	4.8 x 32 MM	6.8 x 32 MM	1 1/2	12.00 x 715 MM L

NOTE:  
SLEEVE SHALL HAVE 4.80mm. MIN. SPACE BETWEEN



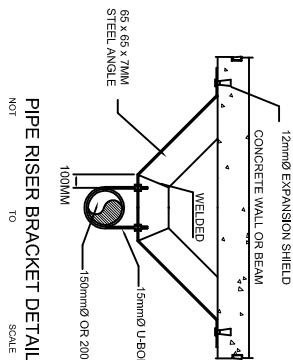
PIPE SIZE		STEEL PLATE BAR	ROD DIA.	
mm.	in.	(thick x width)	mm.	in.
25	1	3.2 x 19 MM	9.5	3/8
32	1 1/4	3.2 x 19 MM	9.5	3/8
40	1 1/2	3.2 x 19 MM	9.5	3/8
50	2	3.2 x 19 MM	9.5	3/8



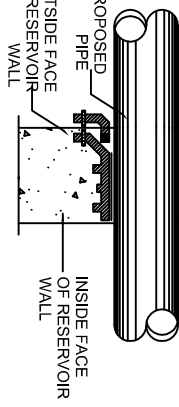
PIPE SIZE	STEEL PLATE BAR		ROD, DIA.	
	in.	mm.	in.	mm.
25	1	3.2 x 19 MM	3/8	9.5
32	1 1/4	3.2 x 19 MM	9/5	3/8
40	1 1/2	3.2 x 19 MM	9/5	3/8
50	2	3.2 x 19 MM	9/5	3/8

PIPE RISER BRACKET DETAIL

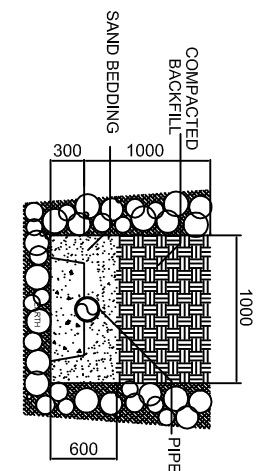
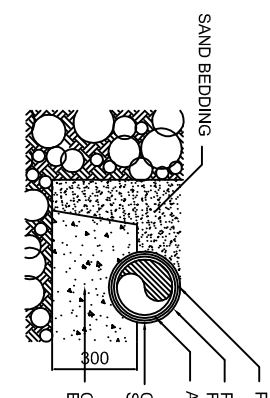
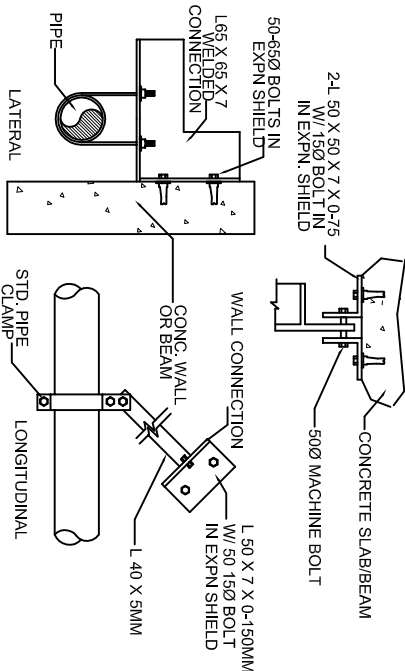
NOT TO SCALE



	SP	SOL PIPE
	VP	VENT PIPE
	WI	COLD WATER LINE



**NOTE:**  
SLEEVE SHALL HAVE 4.80mm. MIN. SPACE BETWEEN  
EXTERIOR OF PIPING AND INTERIOR OF SLEEVE.



## NTS

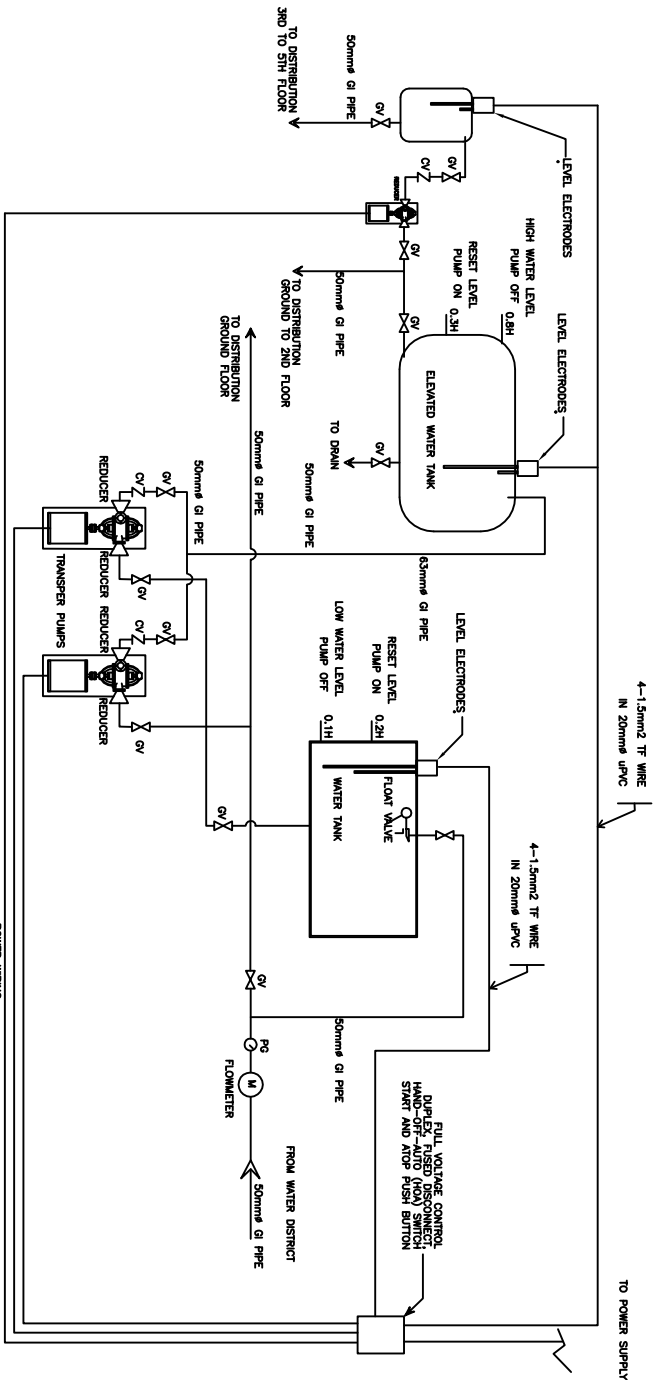


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	ADJUSTABLE TYPE CLEANS HANGER
	ADJUSTABLE TYPE CLEANS HANGER
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	WALL PIPE HANGER DETAIL
	PIPE RISE BRACKET DETAIL
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	PIPE SLEEVE DETAIL
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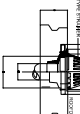
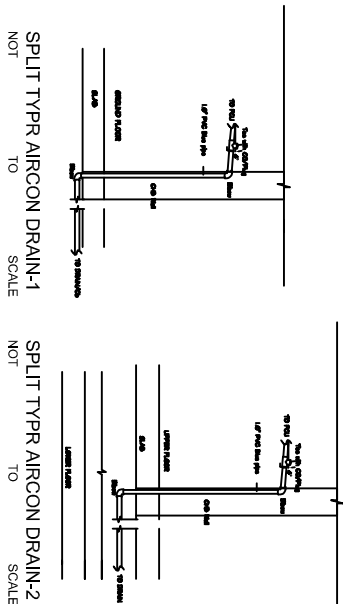
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TABLE OF DIMENSION											
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250	260	270	280	290	300	310	320	330	340	350	360
370	380	390	400	410	420	430	440	450	460	470	480
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DETAIL OF DECK DRAIN  
NOT TO SCALE

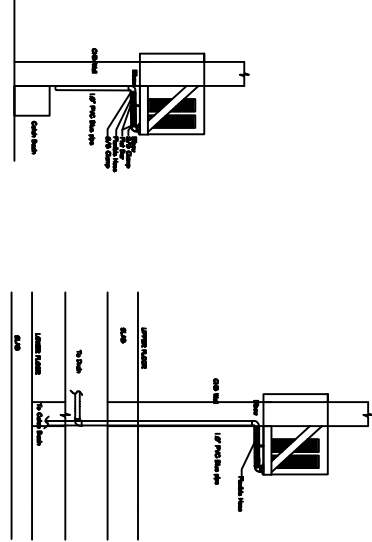


SPLIT TYPR AIRCON DRAIN-1  
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SPLIT TYPR AIRCON DRAIN-2  
NOT TO SCALE

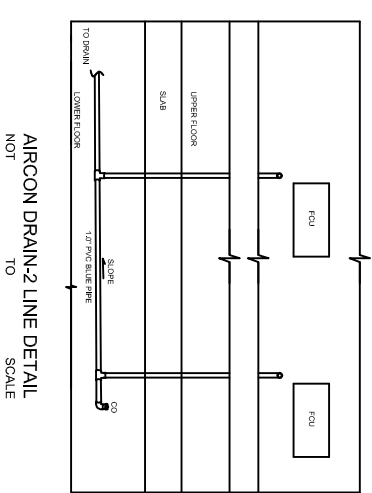
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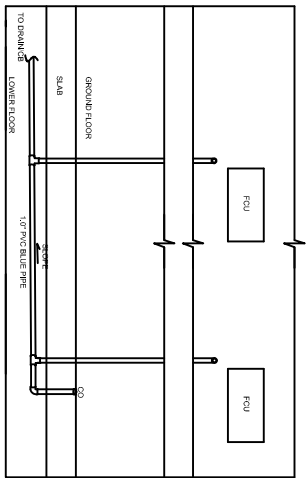


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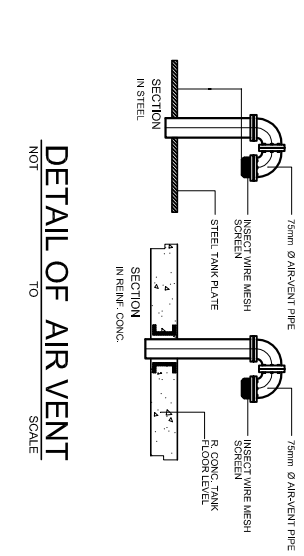
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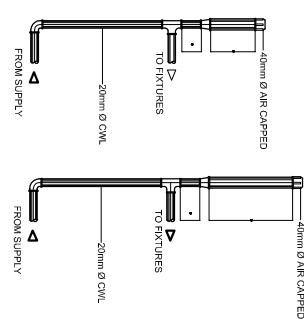
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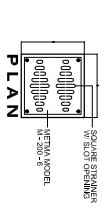
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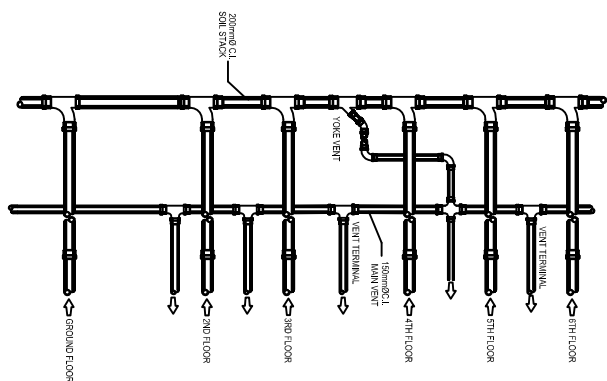
DETAIL OF AIR VENT  
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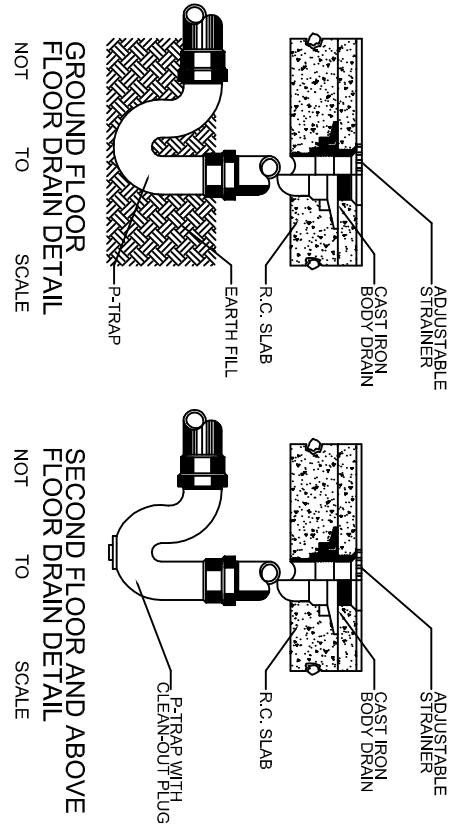
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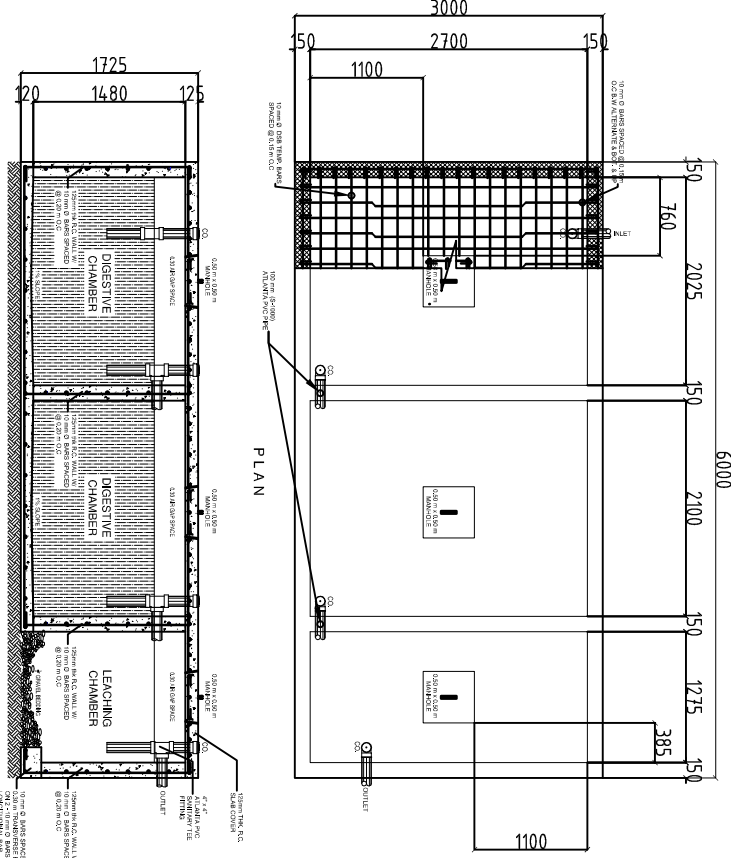
DETAIL OF FLOOR DRAIN  
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RELIEF AND YOKE VENT  
NOT TO SCALE



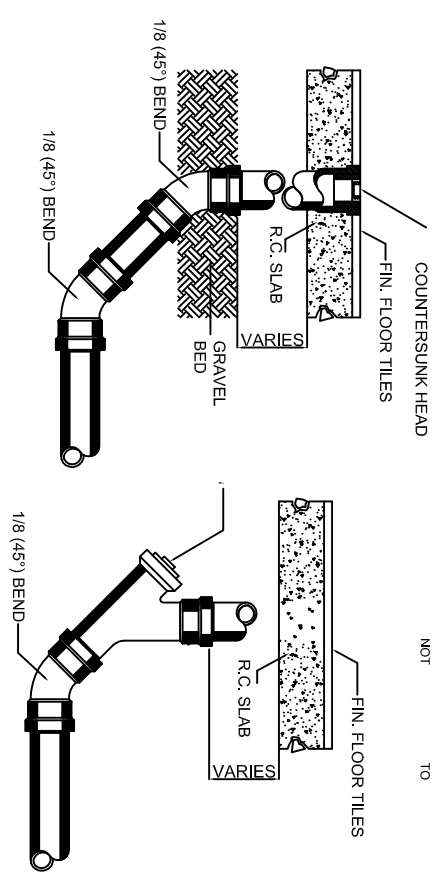
GROUND FLOOR AND SECOND FLOOR DRAIN  
NOT TO SCALE



DETAIL OF SEPTIC TANK  
NOT TO SCALE

FLOOR CLEAN-OUT DETAIL  
NOT TO SCALE

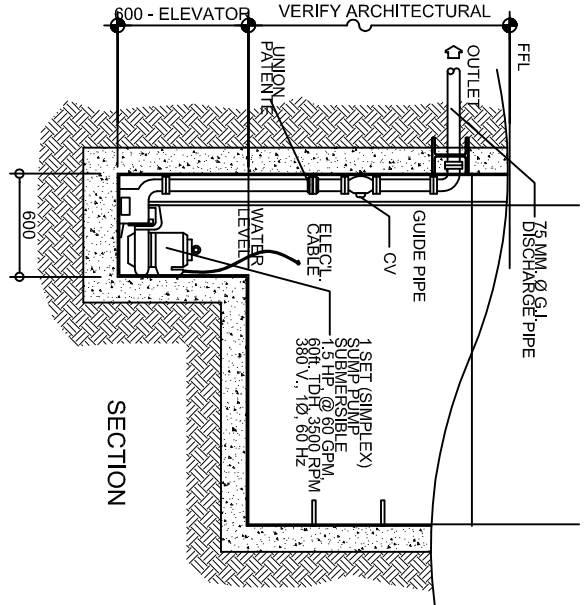
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FLOOR CLEAN-OUT DETAIL  
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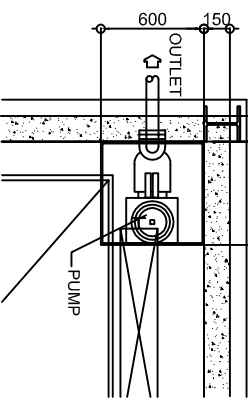
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ELEVATOR SUMP PIT DETAIL  
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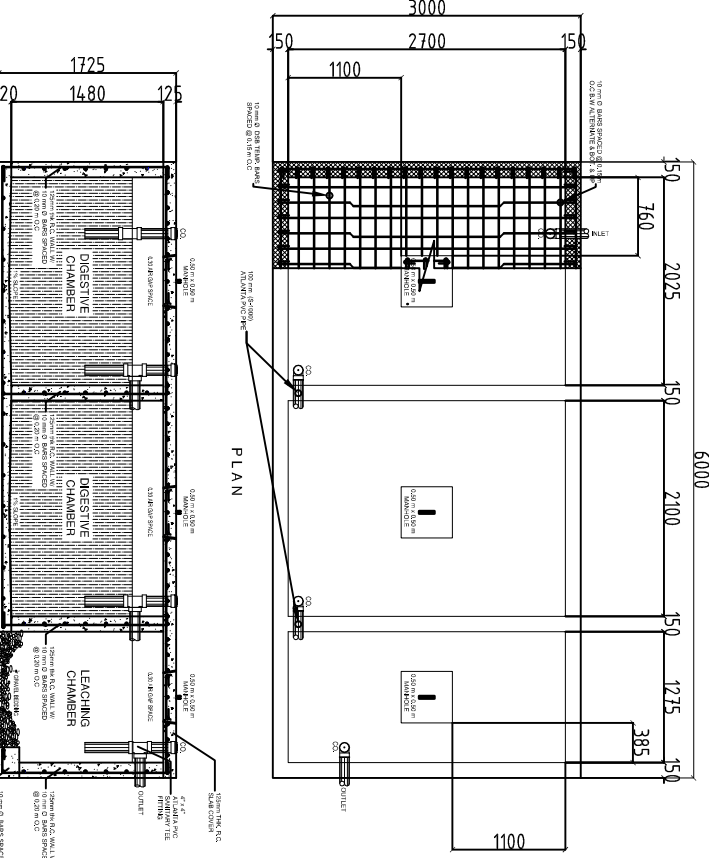


PLAN

SECTION



PLAN



SECTION

DETAIL OF SEPTIC TANK  
NOT TO SCALE

SANITARY ENGINEER

ORIGINAL SIGNED  
LARRY G. ABUCAY, SE

PRG No.: 0001789  
PTR No.: 3949176  
DATE: 01/16/17

CHECKED BY: JOHN DARREL M. SANTOS

PRG No.: 0125250  
PTR No.: 3058921  
DATE: 01/18/17

PROJECT TITLE: PROPOSED 5 STOREY MULTI SPECIALTY BUILDING

LOCATION: BATMAN GENERAL HOSPITAL  
BALANGA CITY, BATMAN

COMMENDING APPROVAL: MYRNA V. MAGAT

CHIEF ADMINISTRATIVE OFFICER

APPROVED BY: GLORY V. BALITZAR, MD, MPH, MBA, CESE

MEDICAL CENTER CHIEF

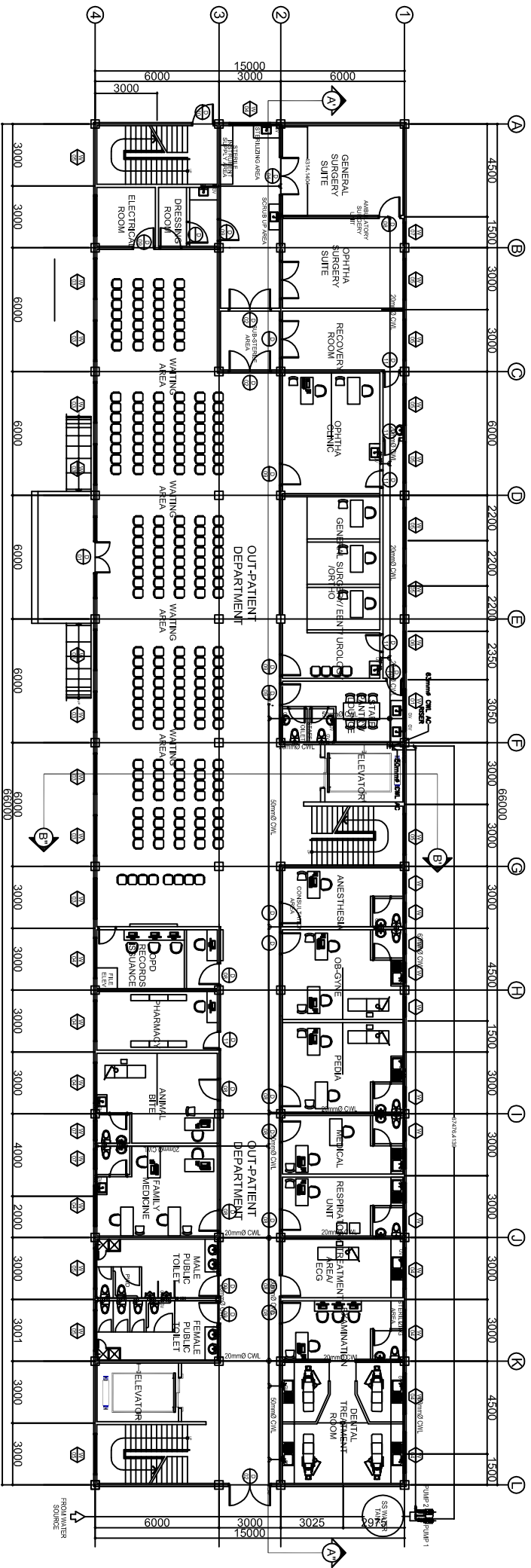
SHEET CONTENT: PLUMBING DETAILS

SHEET NO. P.02

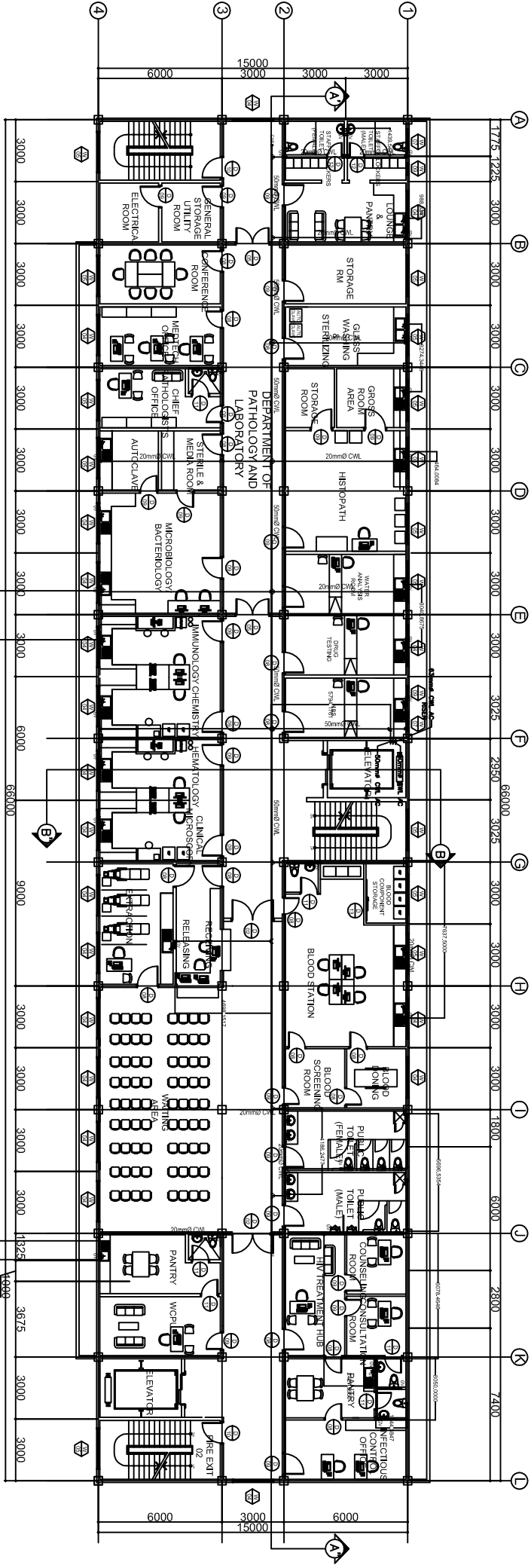
2 14



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA



GROUND FLOOR  
1  
WATERLINE PLAN  
P-03 SCALE  
1:150 MTS



SECOND FLOOR  
2  
WATERLINE PLAN  
P-03 SCALE  
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

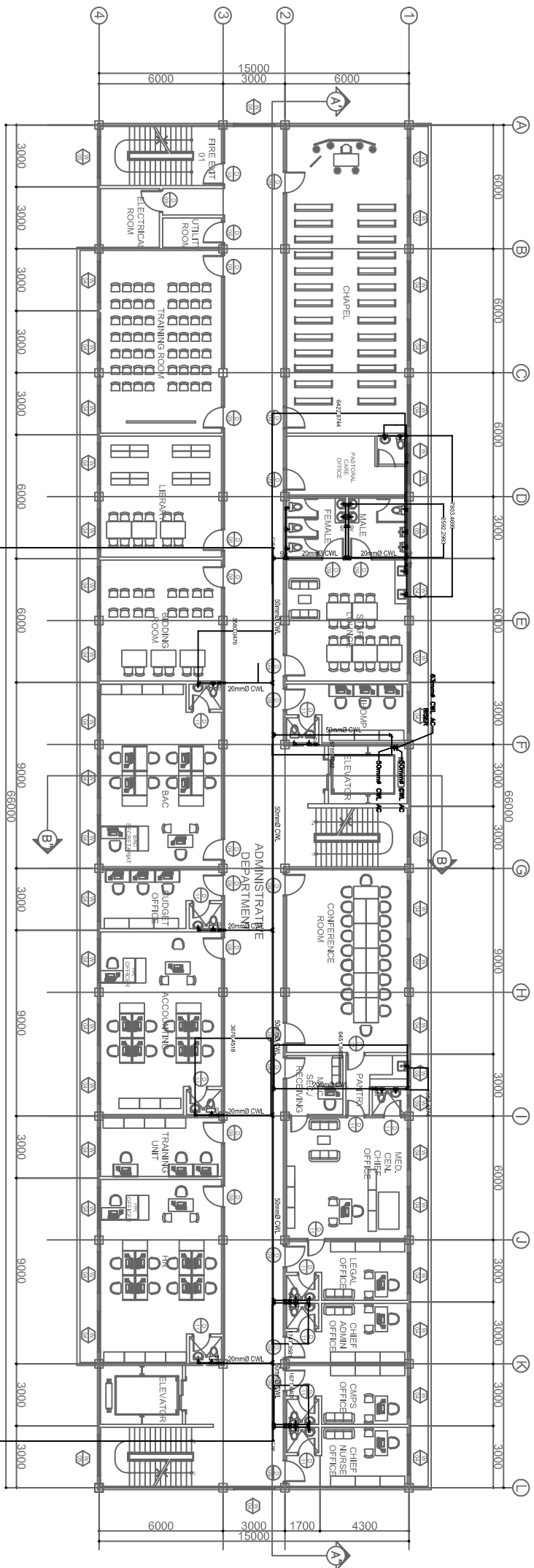
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ORIGINAL SIGNED LARRY G. ABUCAY, SE		DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, ANY ADDENDUMS, REVISIONS, AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT OF WHICH THEY ARE MADE IS EXECUTED OR NOT, IT SHALL BE UNDERTAKEN BY ANY PERSON TO EXECUTE OR MAKE ANY OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT.		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN							
PRC No.: 0001798 PTR No.: 3949176 DATE: 01/16/17		VALIDITY 06/01/2020 PLACE ISSUED QUEZON CITY		PRC No.: 0125250 PTR No.: 3068921 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA							
TIN No.:		TIN No.:		TIN No.: 435023585									



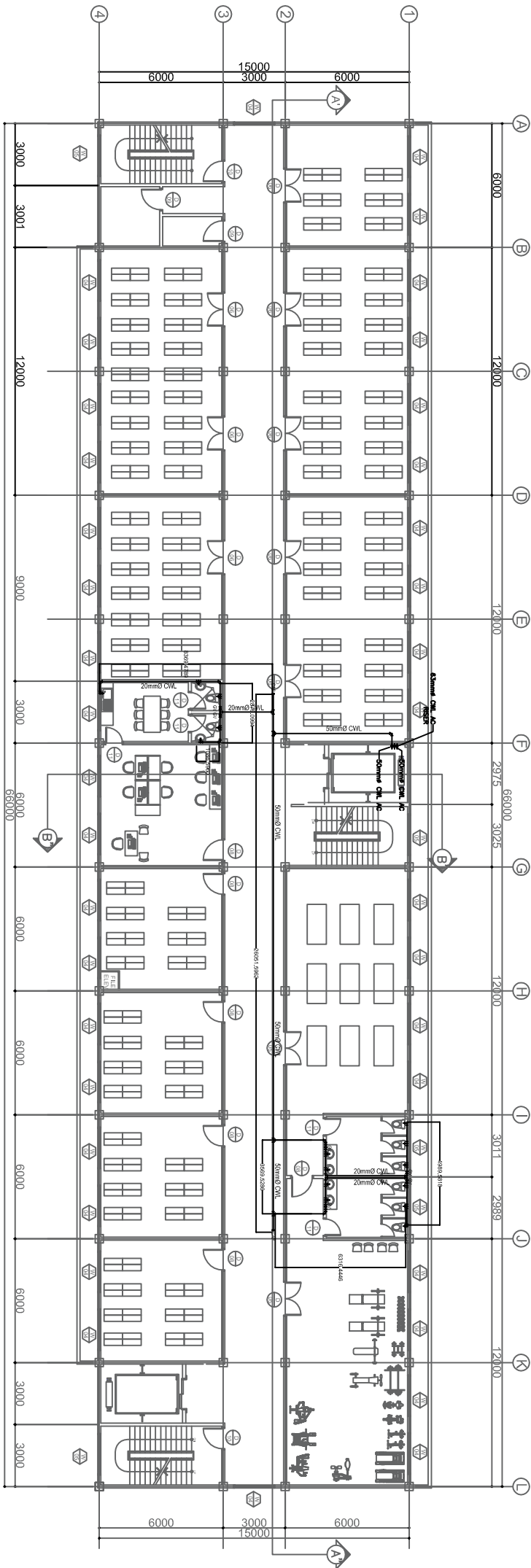


LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

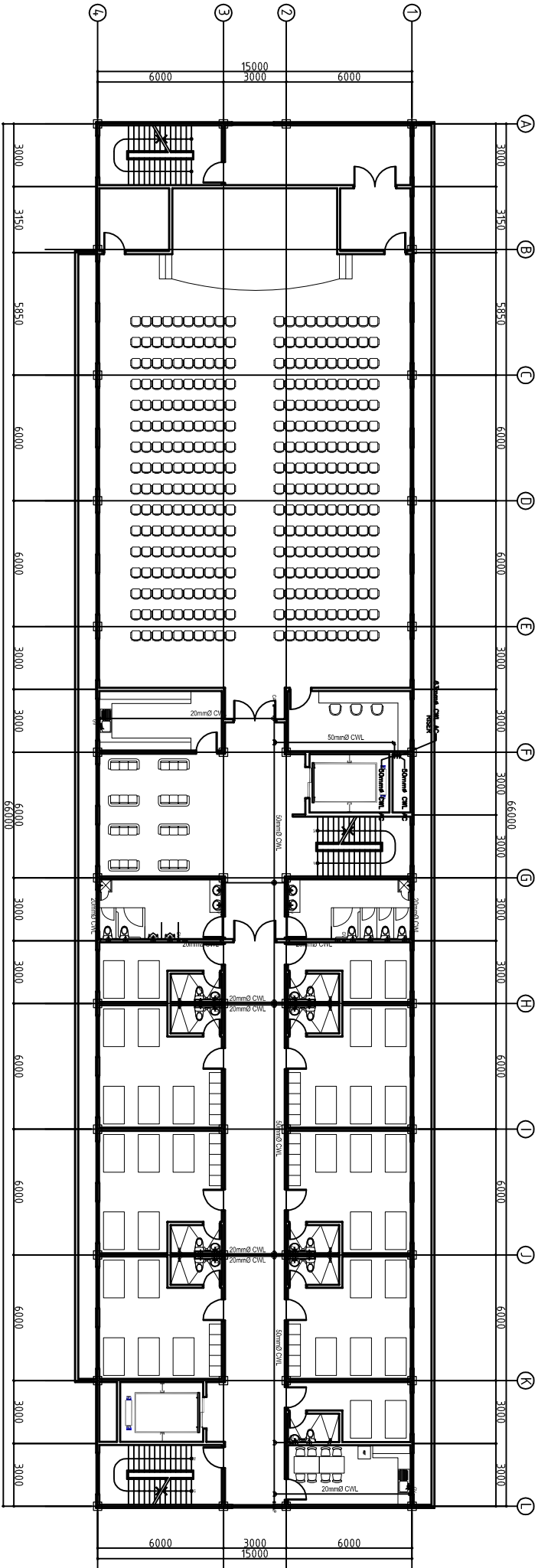
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<div>ORIGINAL SIGNED</div> <div>LARRY G. ABUCAY, SE</div> <div>PRC No. 0001789</div> <div>VALIDITY: 06/01/2020</div> <div>PTR No.: 3949176</div> <div>PLACE ISSUED: QUEZON CITY</div> <div>DATE: 01/16/17</div> <div>TIN No.:</div>						<div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as evidence of approval, shall be the intellectual property of the engineer and shall not be used for any purpose for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of work without the written consent of the architect or author of said document.</div> <div>DATE: 01/16/17</div> <div>TIN No.: 439023585</div>						<div>JOHN DARREL M. SANTOS</div> <div>ENGINEER IV</div> <div>PRC No. 0125250</div> <div>VALIDITY</div> <div>PTR No.: 3065921</div> <div>PLACE ISSUED: BALANGA</div> <div>DATE: 01/16/17</div> <div>TIN No.:</div>						<div>PROPOSED 5 STOREY MULTI</div> <div>SPECIALTY BUILDING</div> <div>LOCATION : BATYAN GENERAL HOSPITAL</div> <div>BALANGA CITY, BATYAN</div>						<div>ATYNNA V. MAGAT</div> <div>CHIEF ADMINISTRATIVE OFFICER</div> <div>GLORY V. BALTAZAR, MD, MPH, MHA, CSE</div> <div>MEDICAL CENTER CHIEF</div>						<div>WATERLINE PLAN</div> <div>(THIRD AND FOURTH)</div>						<div>P.04</div> <div>414</div>					



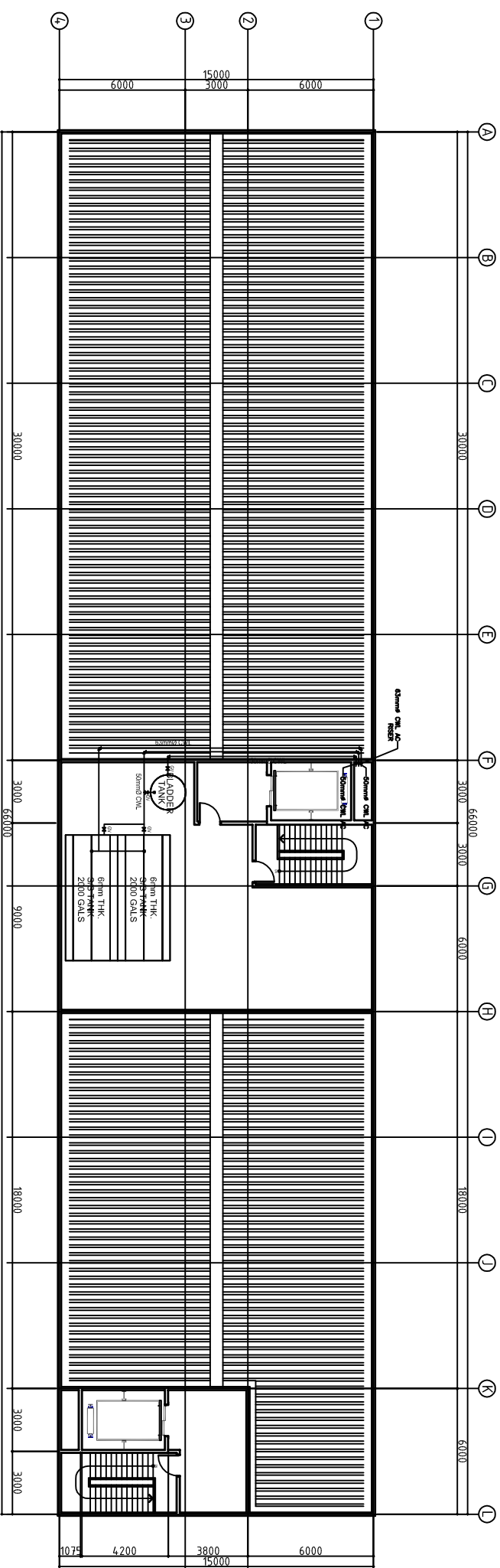
THIRD FLOOR  
**WATERLINE PLAN**  
 SCALE 1:150 MTS  
 P-04



FOURTH FLOOR  
2  
WATERLINE PLAN  
SCALE  
1:150 MTS



FIFTH FLOOR  
1  
P.05  
SCALE  
1:150 MTS

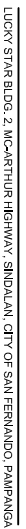



ROOF DECK  
2  
P.05  
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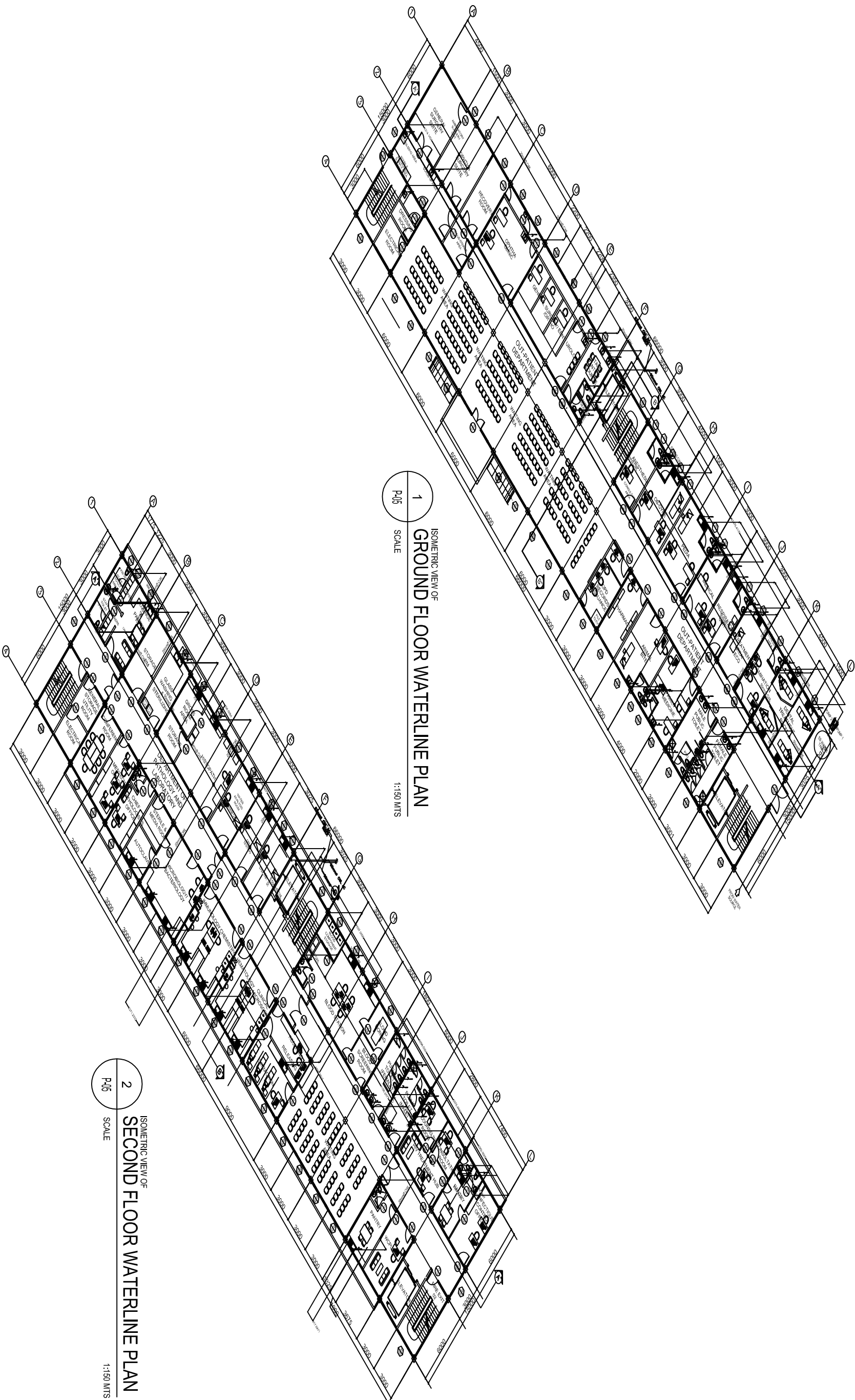


LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

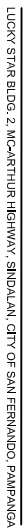
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ORIGINAL SIGNED LARRY G. ABUCAY, SE		DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies of the drawings and specifications and other contract documents for any projects or buildings, whether executed and for other projects or buildings, whether executed party or in whole, without the written consent of the architect or author of said document. s.		CHECKED BY : JOHN DARREL M. SANTOS ENGINEER IV		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN							
PRC No.: 0001789 PTR No.: 3949176 DATE: 01/16/17		VALIDITY 06/01/2020 PLACE ISSUED: QUEZON CITY TIN No.:		PRC No.: 0125250 PTR No.: 3058921 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA		TIN No.: 435023585					




SHEET NO. 

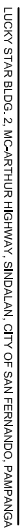




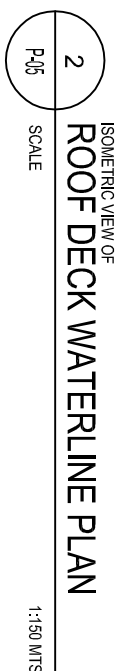


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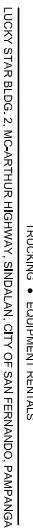




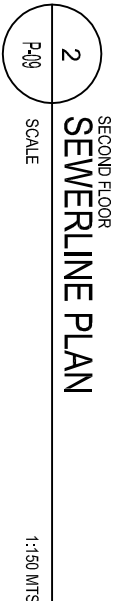
Segment	Marks
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2	14
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<b>Total</b>	<b>36</b>











<b>SHEET CONTENT</b>
<b>SEWERLINE PLAN (GROUND AND SECOND)</b>

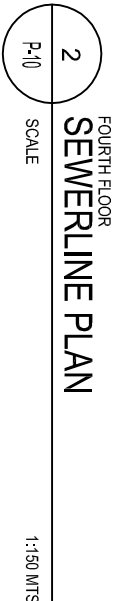
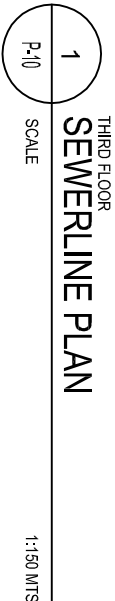


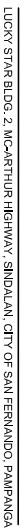




LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

SANITARY ENGINEER		FA 9266 SECTION 3		CHECKED BY :  JHON ALVARADO SANITARY ENGINEER IV		PROJECT TITLE :  <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL :  MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY :  GLORY V. BALTAZAR, MD, MPH, MHA, CDEE MEDICAL CENTER CHIEF		SHEET CONTENT  SEWERLINE PLAN (THIRD AND FOURTH)		SHEET NO. <div><div>P.10</div><div>414</div></div>	
<div><div>ORIGINAL SIGNED</div><div> LARRY G. ABUCAY, SE</div></div>		Drawings and specifications and other contract instruments duly signed, stamped or sealed, as required by the rules and regulations of the Board of Professional Engineers, are the intellectual property of the undersigned and shall remain his for which they are made to executed or not. It shall be unlawful for any person to duplicate or make copies of the drawings and specifications and other projects or buildings, whether executed partly or in whole or in part, without the consent of the undersigned or without of said documents. %		PRC No.: 0001789 VALIDITY: 06/01/2020 PTR No.: 3949176 PLACE ISSUED: QUEZON CITY DATE: 01/16/17 TIN No.:		PRC No.: 0123250 VALIDITY PTR No.: 3058921 PLACE ISSUED: BALANGA DATE: 01/16/17 TIN No.: 435023585		BALANGA CITY, BATYAN							





**LUCKY STAR**  
CONSTRUCTION & TRADING  
SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION  
TRUCKING • EQUIPMENT RENTALS

LUCKY STAR BLDG. 2, MC-CARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

ORIGINAL SIGNED  
LARRY G. ABUCAY, SE

**LARRY G. ABUCAY, SE**

**PTR No.: 3949176** **PLACE ISSUED: QUEZON CITY**

**PTR No.: 3949176** **PLACE ISSUED: QUEZON CITY**

DATE:	01/16/17	TIN NO.:
-------	----------	----------

DATE:	01/16/17	TIN NO.:
-------	----------	----------

**D**rawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect. The drawings, specifications and documents of the architect, whether the objects for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed or not, in whole, without the written consent of the architect or author of said document s.

**D**rawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property of the architect. The drawings, specifications and documents of the architect, whether the objects for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed or not, in whole, without the written consent of the architect or author of said document s.

**JOHN DARREL M. SANTOS**  
ENGINEER IV

**JOHN DARREL M. SANTOS**  
ENGINEER IV

<b>PTR No.: 3058921</b>	<b>PLACE ISSUED: BAL</b>
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<b>PTR No.: 3058921</b>	<b>PLACE ISSUED: BAL</b>
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DATE: 01/18/17 TIN No.: 435023585

DATE: 01/18/17 TIN No.: 435023585

# PROPOSED 5 STOREY MULTI SPECIALTY BUILDING

# PROPOSED 5 STOREY MULTI SPECIALTY BUILDING

**LOCATION : BATAAN GENERAL HOSPITAL**

**LOCATION : BATAAN GENERAL HOSPITAL**

**MYRNA V. MAGAT**  
CHIEF ADMINISTRATIVE OFFICER

**MYRNA V. MAGAT**  
CHIEF ADMINISTRATIVE OFFICER

GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF II

GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF II

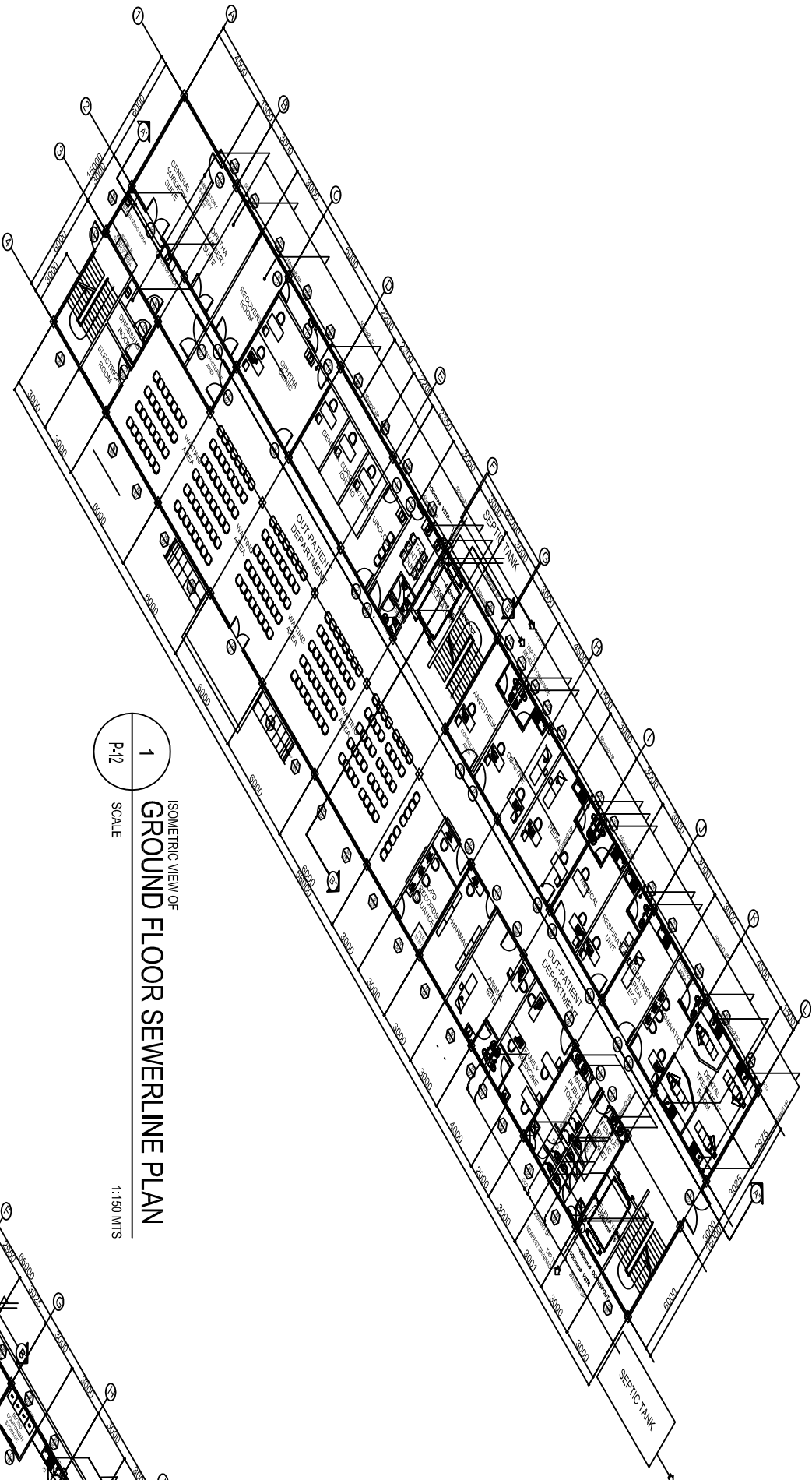
**SHEET CONTENT**

**SHEET CONTENT**

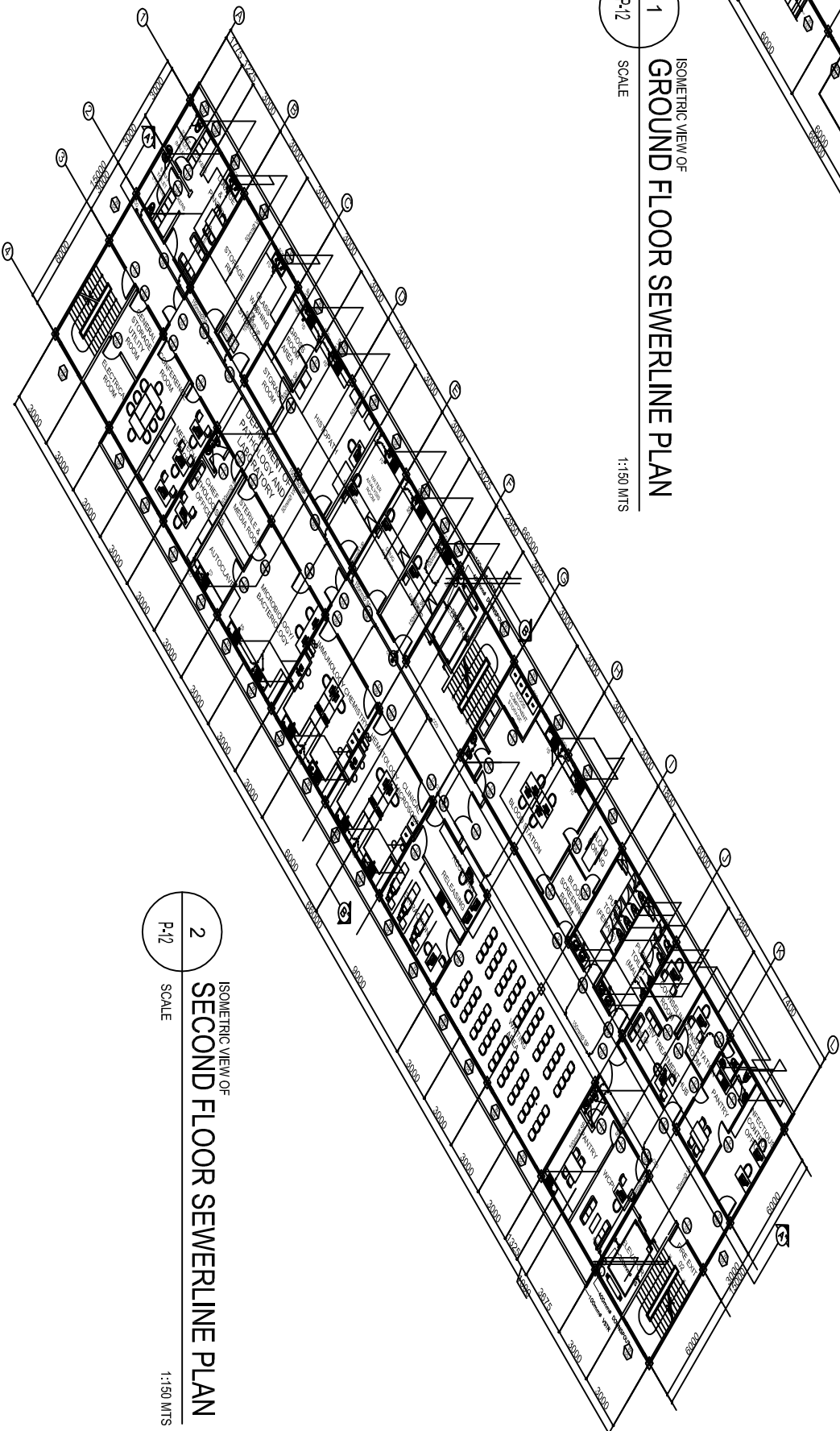
A pie chart representing the distribution of P.11. The chart is divided into three segments. The largest segment, on the right, is labeled 'P.11'. The bottom-left segment is labeled '11', and the top-left segment is labeled '14'.

A pie chart divided into three equal sectors. The top sector is labeled 'P.11'. The bottom-left sector is labeled '11', and the bottom-right sector is labeled '14'.





1  
ISOMETRIC VIEW OF  
GROUND FLOOR SEWERLINE PLAN  
SCALE  
1:150 MTS



2  
ISOMETRIC VIEW OF  
SECOND FLOOR SEWERLINE PLAN  
SCALE  
1:150 MTS

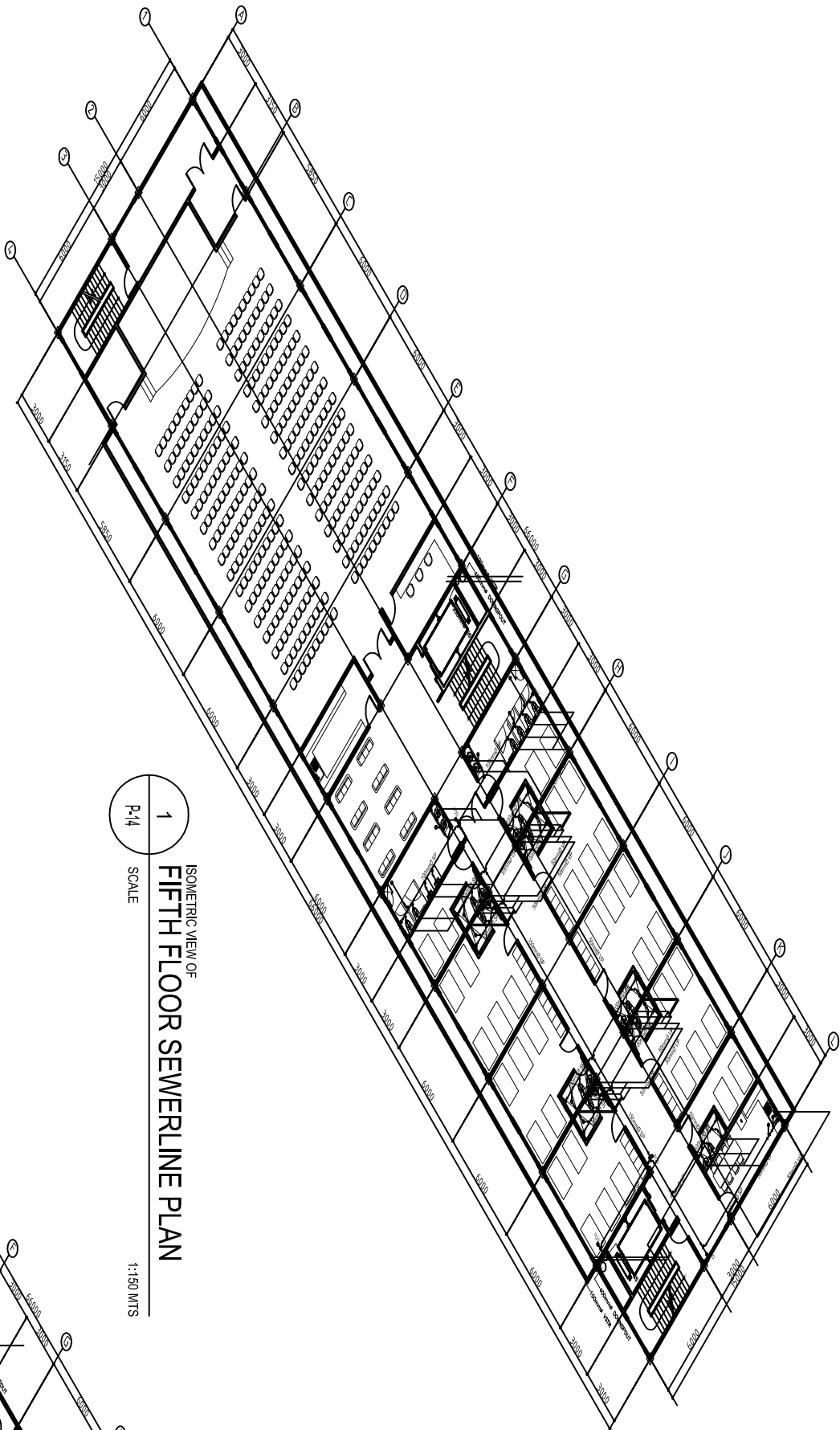
SANITARY ENGINEER		RA 9256 SECTION 3		CHECKED BY : <div>JOHN DARRIEL M. SANTOS ENGINEER IV</div>		PROJECT TITLE : <b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>		COMMENDING APPROVAL : <div>MYRNA V. MACAGAT CHIEF ADMINISTRATIVE OFFICER</div>		APPROVED BY : <div>GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div>		SHEET CONTENT SEWERLINE ISOMETRIC (GROUND AND SECOND)		SHEET NO. P.12 12 14	
<div><div><div><div><div></div><div>Lucky Star</div></div><div>CONSTRUCTION &amp; TRADING</div><div>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION RECKING • EQUIPMENT RENTALS</div><div>Lucky Star Bldg. 2, McArthur Highway, Sindalan, City of San Fernando, Pampanga</div></div></div></div>		<div><div><div>ORIGINAL SIGNED</div><div>LARRY G. ABUCAY, SE</div></div><div><div>PRC No.: 0001789</div><div>VALIDITY: 06/01/2020</div></div><div><div>PTR No.: 3949176</div><div>PLACE ISSUED: QUEZON CITY</div></div><div><div>DATE: 01/16/17</div><div>TIN No.:</div></div></div>		<div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, and the laws and documents of the architect, whether the object for which they are made is executed or not, it shall be understood for any person to duplicate or make copies thereof, or to use the same for any project, and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document. s.</div>		<div><div><div>PRC No.: 0152520</div><div>VALIDITY</div></div><div><div>PTR No.: 3088921</div><div>PLACE ISSUED: BALANGA</div></div><div><div>DATE: 01/18/17</div><div>TIN No.: 435023585</div></div></div>		LOCATION : BATYAN GENERAL HOSPITAL BALANGA CITY, BATYAN							



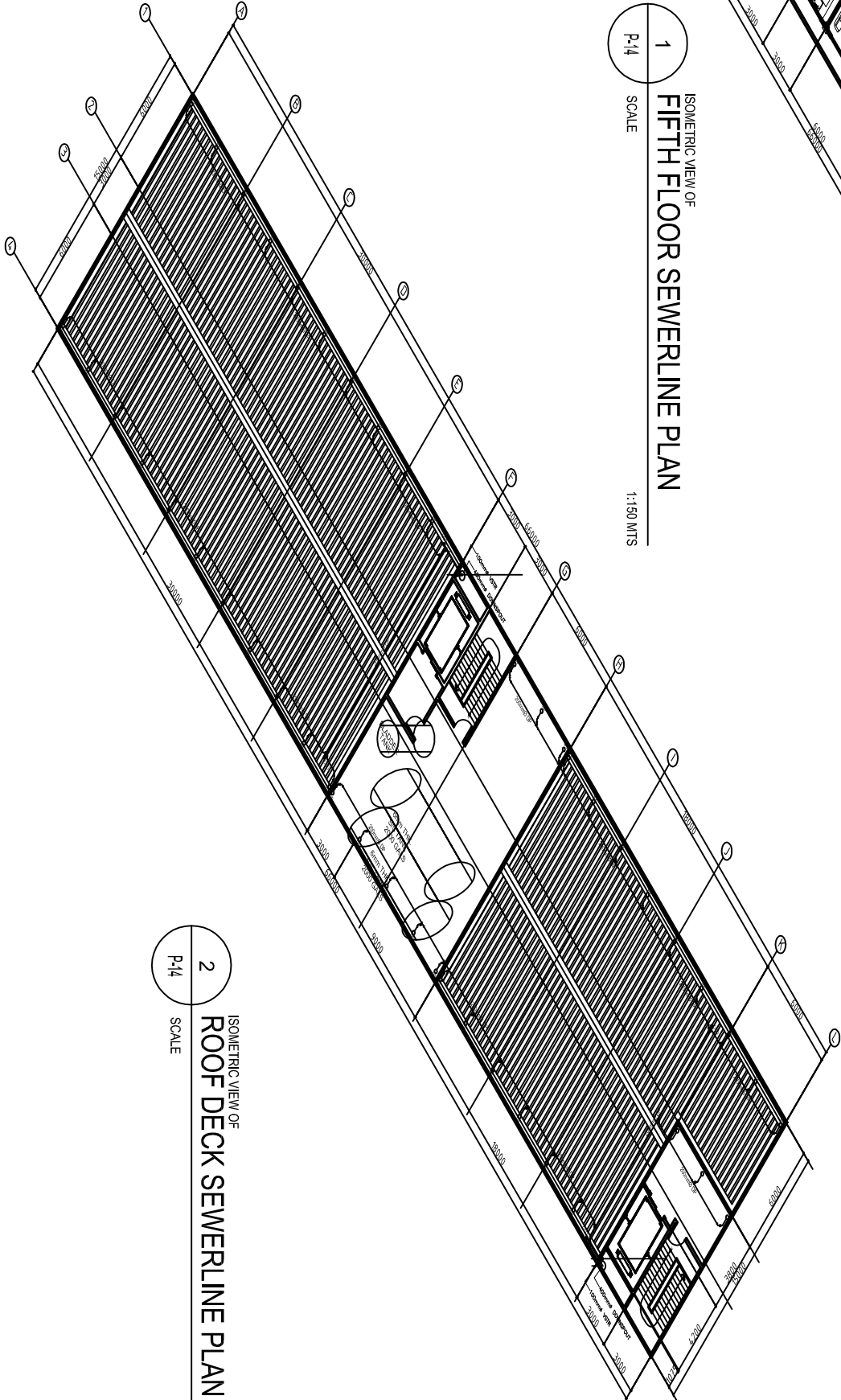


LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

SANITARY ENGINEER		FA 3266 SECTION 3		CHECKED BY: <div>JOHN ROBERT M. SANTOS SANITARY ENGINEER IV</div>		PROJECT TITLE: <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>		COMMENDING APPROVAL: <div>MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER</div>		APPROVED BY: <div>GLORY V. BALTAZAR, MD, MPH, MBA, CESE MEMORIAL CENTER CHIEF</div>		SHEET CONTENT: <div>SEWERLINE ISOMETRIC PLAN (THIRD AND FOURTH)</div>		SHEET NO. <div><div><div>P.13</div><div>13</div><div>14</div></div></div>	
<div>ORIGINAL SIGNED LARRY G. ABUOCAY, SE</div>		<div>Drawings and specifications and other contract documents shall be signed, stamped or sealed, as required by the Department of Health, and the intellectual property of the Department of Health shall be protected. The drawings for which they are made is expected or not. It shall be understood that for any person to duplicate or make copies of the drawings or specifications or any part of the contract and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or engineer, shall be considered a violation of the standards of honor of said document.</div>		<div>PRC No.: 0001789 VALIDITY: 06/01/2020 PTR No.: 3949176 PLACE ISSUED: QUEZON CITY DATE: 01/16/17 TIN No.:</div>		<div>PRC No.: 0123250 VALIDITY PTR No.: 3059921 PLACE ISSUED: BALANGA DATE: 01/16/17 TIN No.: 435023585</div>		<div>PRC No.: 0001789 VALIDITY: 06/01/2020 PTR No.: 3949176 PLACE ISSUED: QUEZON CITY DATE: 01/16/17 TIN No.:</div>							



1  
P.14  
SCALE  
ISOMETRIC VIEW OF  
FIFTH FLOOR SEWERLINE PLAN  
1:150 MTS



2  
P.14  
SCALE  
ISOMETRIC VIEW OF  
ROOF DECK SEWERLINE PLAN  
1:150 MTS



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY SHIDALAN, CITY OF SAN FERNANDO, PAMPANGA

CONSTRUCTION & TRADING

SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION

TRUCKING • EQUIPMENT RENTALS

SANITARY ENGINEER

ORIGINAL SIGNED  
LARRY G. ABUCAY, SE

PRC No.: 0001738

VALIDITY 06/01/2020

PTR No.: 3949176

PLACE ISSUED QUEZON CITY

DATE: 01/16/17

TIN No.:

RA 9256 SECTION 3

Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by law, shall be the property of the architect and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said drawings and specifications, or to use them for other projects or buildings, whether executed by or for the architect, without the written consent of the architect or author of said document.

CHECKED BY :

JOHN DARRYL M. SANTOS  
ENGINEER IV

PRC No.: 0125250

VALIDITY

PTR No.: 3088921

PLACE ISSUED: BALANGA

DATE: 01/18/17

TIN No.: 435023585

PROJECT TITLE :

PROPOSED 5 STOREY MULTI  
SPECIALTY BUILDING

LOCATION : BATYAN GENERAL HOSPITAL

BALANGA CITY, BATYAN

COMMENDING APPROVAL :

MYRNA V. MAGAT  
CHIEF ADMINISTRATIVE OFFICER

APPROVED BY :

GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF

SHEET CONTENT

SEWERLINE ISOMETRIC  
(FIFTH AND ROOF DECK)

SHEET NO.

P.14  
14 14



CONSTRUCTION NOTES

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
4. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS TO THE ARCHITECTURAL DRAWINGS IN REFERENCE TO THE LAYOUT, DIMENSIONS AND ELEVATIONS SHALL BE CONSULTED TO THE DESIGN ENGINEER IN CASE OF DISCREPANCIES IN THE ISSUED DRAWINGS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS :

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
CURBS & SLAB ON GRADE EXCEPT FOUND.	3000 PSI(21KG/CM² )	1 IN. (25MM.)	4 IN. (100MM.)
FOUNDATION & RETAINING WALL, BEAMS, COLUMNS & SLABS	3000 PSI(281KG/CM² )	3/4 IN. (19MM.)	4 IN. (100MM.)

3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 (PNS 49) GRADE 40 FOR DIA. 16 AND SMALLER BARS AND GRADE 60 FOR DIA. 20 AND LARGER BARS.

4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO, UNLESS OTHERWISE SHOWN OR NOTED.

5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

SUSPENDED SLABS .....	3/4 IN. ( 19 MM. )
SLAB ON GRADE .....	1 1/2 IN. ( 38 MM. )
WALLS ABOVE GRADE .....	1 IN. ( 25 MM. )
BEAM STIRRUPS AND COLUMN TIES .....	1 1/2 IN. ( 38 MM. )
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS .....	2 IN. ( 50 MM. )
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH .....	3 IN. ( 75 MM. )

6. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPlice AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.

9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

10. STRIPPING OF FORMS AND SHORES:

FOUNDATION .....	24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED .....	8 DAYS
WALLS .....	18 HRS.
BEAMS .....	14 DAYS

B. CONCRETE & REINFORCEMENT

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCREE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA, SHALL BE DEVELOPED.

2. PROVIDE 1-Ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS.

3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY SIDE OF MASONRY WALL OPENING.

4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
6 IN. (150MM)	Ø 10 @ 400MM	Ø 10 @ 600MM
4 IN. (100MM)	Ø 10 @ 400MM	Ø 10 @ 600MM

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPLICED. DOWELS FROM CONCRETE FOOTINGS OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETERS, AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.

6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT. (REFER TO SPECIFICATIONS)

D. FOUNDATION

1. FOUNDATION: FOOTING ON BORED PILE OR MICROPILE. INCLUDING PILECAP DESIGNS AND CONSTRUCTION SHALL BE DONE BY A REPUTABLE FOUNDATION CONTRACTOR, AS APPROVED BY THE STRUCTURAL ENGINEER.

E. STEEL

1. ALL STRUCTURAL STEEL WORKS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING.

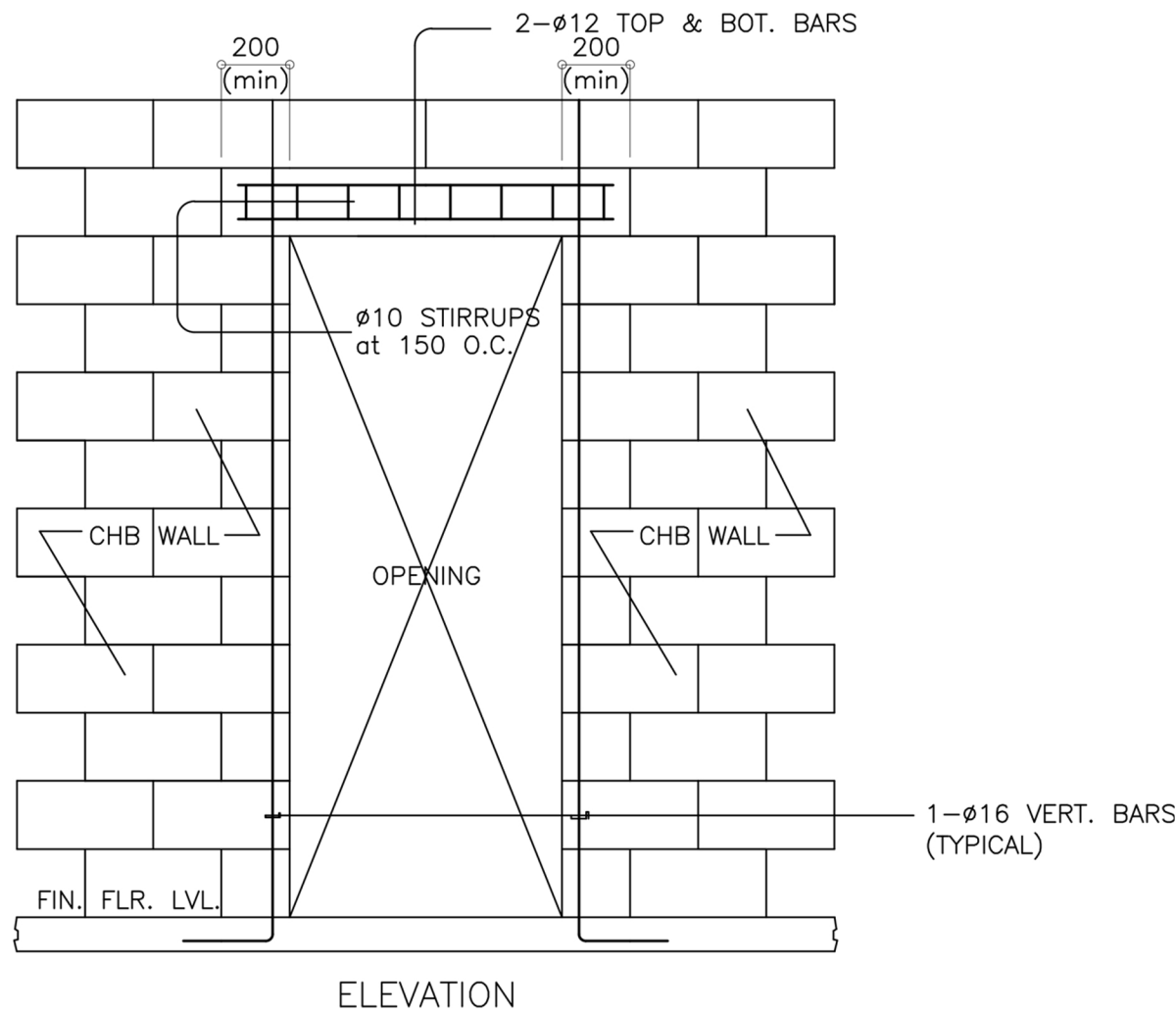
2. ALL STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO ASTM A-36 AND ALL BOLTS SHALL CONFORM TO ASTM A-325.

3. THE CONTRACTOR SHALL SUBMIT SHOP/FABRICATION DRAWINGS OF ALL STRUCTURAL STEEL FRAMING TO INCLUDE MATERIAL SCHEDULES. ERECTION SCHEMES AND DETAIL OF CONNECTIONS AND SPLICES FOR REVIEW AND APPROVAL OF THE ENGINEER PRIOR TO ERECTION.

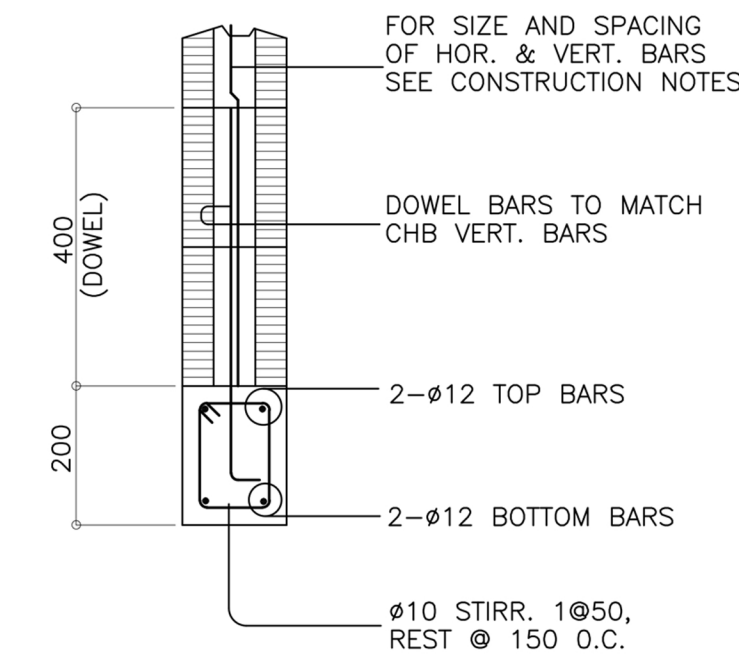
4. ALL STRUCTURAL WELDING SHALL CONFORM TO E70XX

5. ALL STRUCTURAL STEEL SURFACE SHALL BE APPLIED WITH A SHOP COAT OF ZINC CHROMATE PRIMER PAINT AFTER FABRICATION AND PRIOR TO ERECTION, A SECOND COAT OF THE SAME PAINT AFTER WELDING AND OR ERECTION.

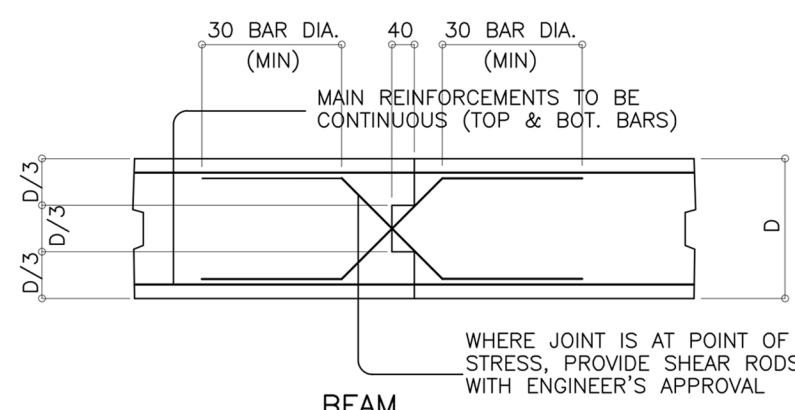
6. THE CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS SHOWN IN THESE DRAWINGS AT THE JOBSITE PRIOR TO THE PREPARATION OF SHOP DRAWINGS.



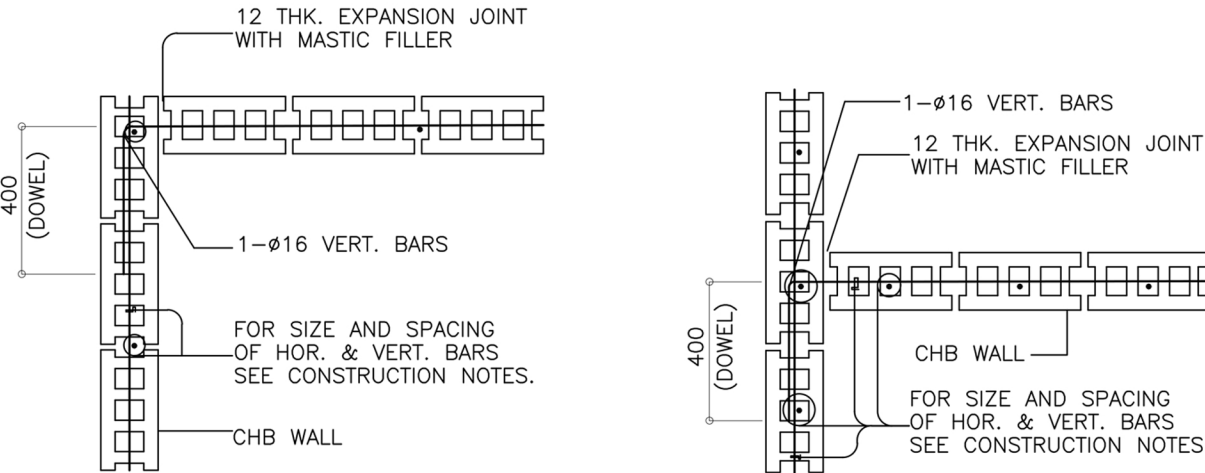
TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING



SECTION

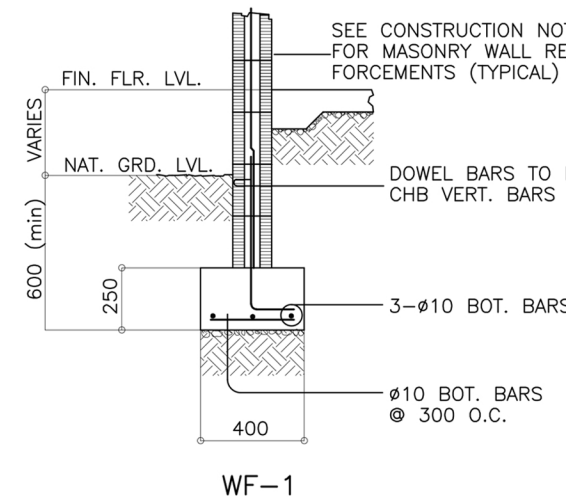


TYPICAL SLAB AND BEAM CONSTRUCTION JOINT DETAIL

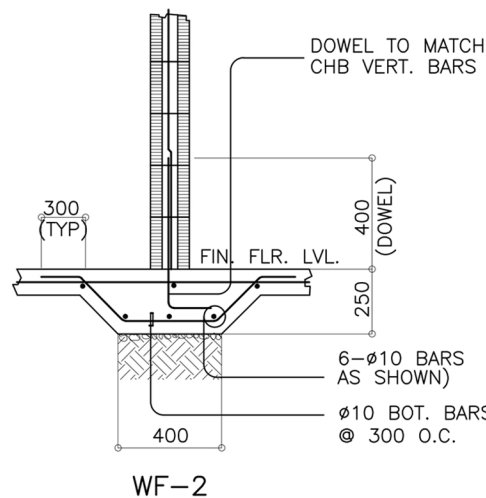


CORNER WALL

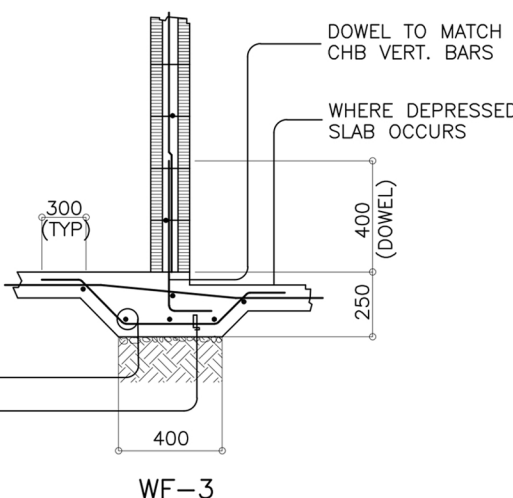
INTERSECTION WALL  
TYPICAL CONNECTION DETAIL OF MASONRY WALL



WF-1

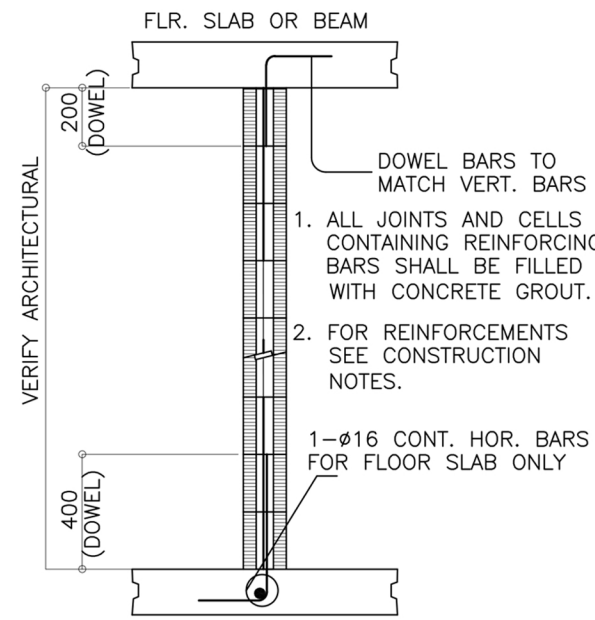


WF-2

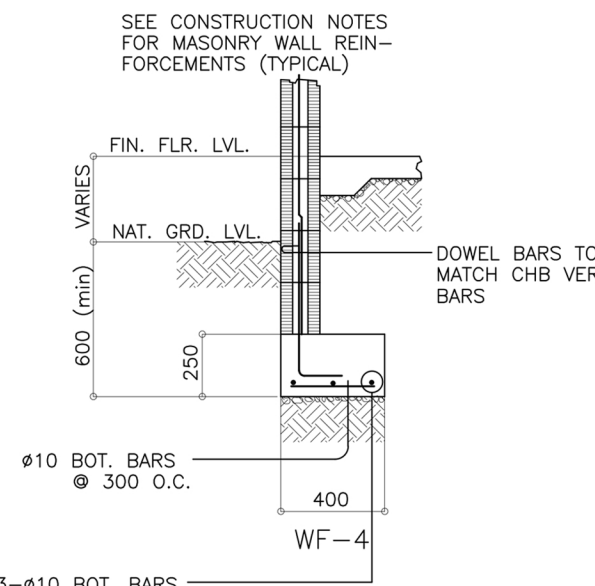


WF-3

WALL FOOTING (WHERE APPLICABLE)



TYPICAL SECTION OF MASONRY PARTITION REINFORCEMENTS



TYPICAL CORNER SLAB DETAIL



LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

STRUCTURAL ENGINEER

ENGR. IXOPERIO R. BONZON

PRC No.: 0041158

VALIDITY: 12/19/2020

PTR No.: 6482784

PLACE ISSUED: PAMP

DATE: 03/30/17

TIN No.: 103 497 448

RA 9266 SECTION 3

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CHECKED BY :

JOHN DARREL M. SANTOS  
ENGINEER IV

PRC No.: 0125250

VALIDITY

PTR No.: 3058921

PLACE ISSUED: BALANGA

DATE: 01/18/17

TIN No.: 435023585

PROJECT TITLE :

PROPOSED 5 STOREY MULTI  
SPECIALTY BUILDING

LOCATION : BATAAN GENERAL HOSPITAL

BALANGA CITY, BATAAN

COMMENDING APPROVAL :

MYRNA V. MACAT  
CHIEF ADMINISTRATIVE OFFICER

APPROVED BY :

GLORY V. BALTAZAR, MD, MPH, MHA, CESE  
MEDICAL CENTER CHIEF II

SHEET CONTENT

GENERAL NOTES ON  
CONSTRUCTION

SHEET NO.

S.01

1 13



CONSTRUCTION NOTES

A. GENERAL

- 1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- 2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
- 4. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS TO THE ARCHITECTURAL DRAWINGS IN REFERENCE TO THE LAYOUT, DIMENSIONS AND ELEVATIONS SHALL BE CONSULTED TO THE DESIGN ENGINEER IN CASE OF DISCREPANCIES IN THE ISSUED DRAWINGS.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION

B. CONCRETE & REINFORCEMENT

- 1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
- 2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS:

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
CURBS & SLAB ON GRADE EXCEPT FOUND.	3000 PSI(210KG/CM <sup>2</sup> )	1 IN. (25MM.)	4 IN. (100MM.)
FOUNDATION & RETAINING WALL, BEAMS, COLUMNS & SLABS	3000 PSI(281KG/CM <sup>2</sup> )	3/4 IN. (19MM.)	4 IN. (100MM.)

- 3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 (PNS 49) GRADE 40 FOR DIA. 16 AND SMALLER BARS AND GRADE 60 FOR DIA. 20 AND LARGER BARS.
- 4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
- 5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

SUSPENDED SLABS	3/4 IN. (19 MM.)
SLAB ON GRADE	1 1/2 IN. (38 MM.)
WALLS ABOVE GRADE	1 IN. (25 MM.)
BEAM STIRRUPS AND COLUMN TIES	1 1/2 IN. (38 MM.)
WHERE CONCRETE IS EXPOSED TO WEATH BUT POURED AGAINST FORMS	2 IN. (50 MM.)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 IN. (75 MM.)

- 6. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
- 7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
- 8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- 9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
- 10. STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HRS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
WALLS	18 HRS.
BEAMS	14 DAYS

B. CONCRETE & REINFORCEMENT

- 1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA, SHALL BE DEVELOPED.
- 2. PROVIDE 1-Ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS.
- 3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY SIDE OF MASONRY WALL OPENING.
- 4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
6 IN. (150MM)	Ø 10 @ 400MM	Ø 10 @ 600MM
4 IN. (100MM)	Ø 10 @ 400MM	Ø 10 @ 600MM

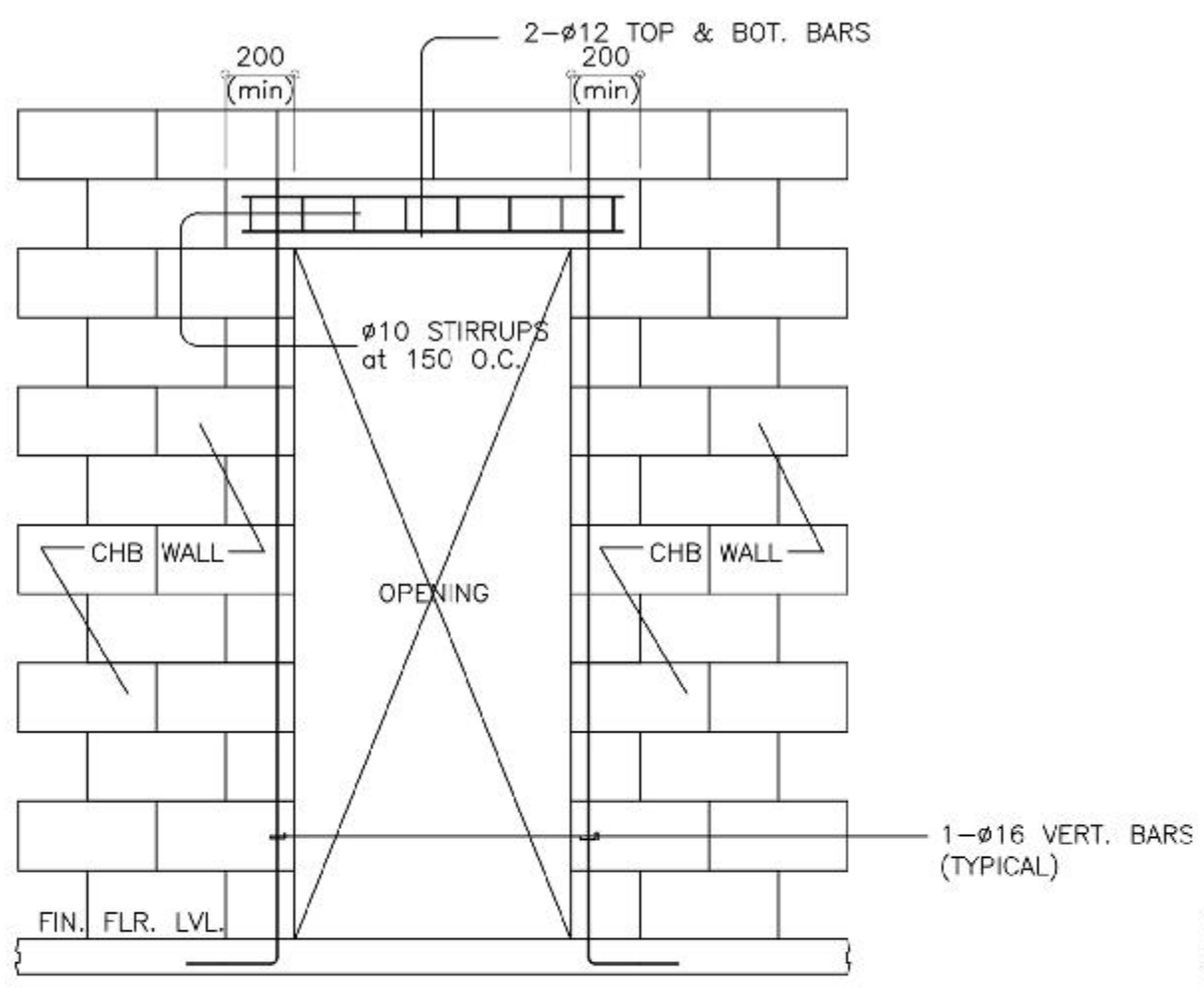
- 5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPICED. DOWELS FROM CONCRETE FOOTINGS OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETERS. AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
- 6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT. (REFER TO SPECIFICATIONS)

D. FOUNDATION

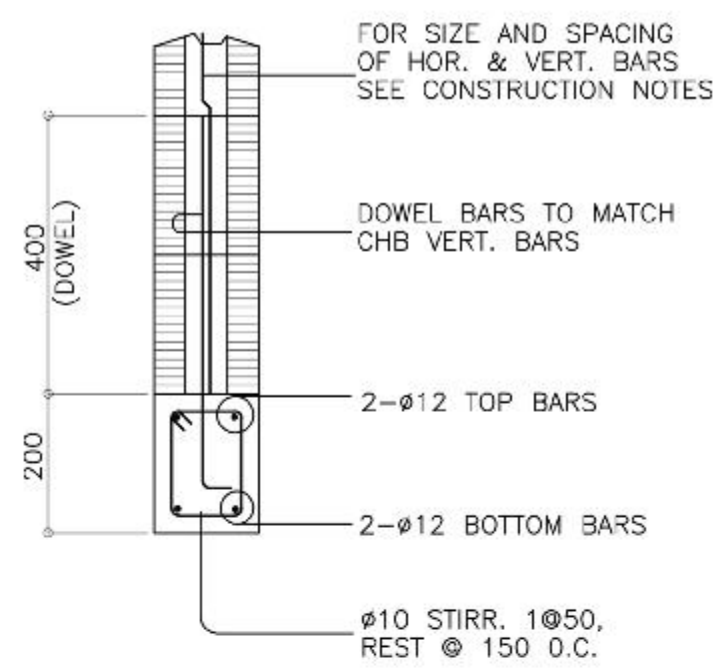
- 1. FOUNDATION: FOOTING ON BORED PILE OR MICROPILE INCLUDING PILECAP DESIGNS AND CONSTRUCTION SHALL BE DONE BY A REPUTABLE FOUNDATION CONTRACTOR, AS APPROVED BY THE STRUCTURAL ENGINEER.

E. STEEL

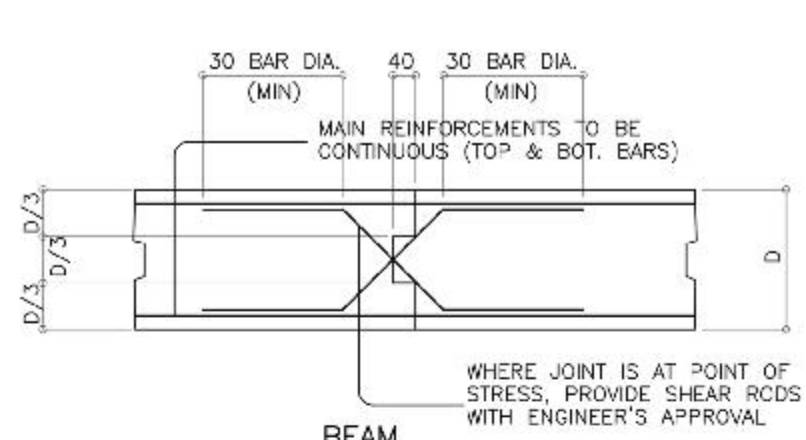
- 1. ALL STRUCTURAL STEEL WORKS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING.
- 2. ALL STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO ASTM A-36 AND ALL BOLTS SHALL CONFORM TO ASTM A-325.
- 3. THE CONTRACTOR SHALL SUBMIT SHOP/FABRICATION DRAWINGS OF ALL STRUCTURAL STEEL FRAMING TO INCLUDE MATERIAL SCHEDULES, ERECTION SCHEMES AND DETAIL OF CONNECTIONS AND SPLICES FOR REVIEW AND APPROVAL OF THE ENGINEER PRIOR TO ERECTION.
- 4. ALL STRUCTURAL WELDING SHALL CONFORM TO E70XX
- 5. ALL STRUCTURAL STEEL SURFACE SHALL BE APPLIED WITH A SHOP COAT OF ZINC CHROMATE PRIMER PAINT AFTER FABRICATION AND PRIOR TO ERECTION. A SECOND COAT OF THE SAME PAINT AFTER WELDING AND OR ERECTION.
- 6. THE CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS SHOWN IN THESE DRAWINGS AT THE JOBSITE PRIOR TO THE PREPARATION OF SHOP DRAWINGS.



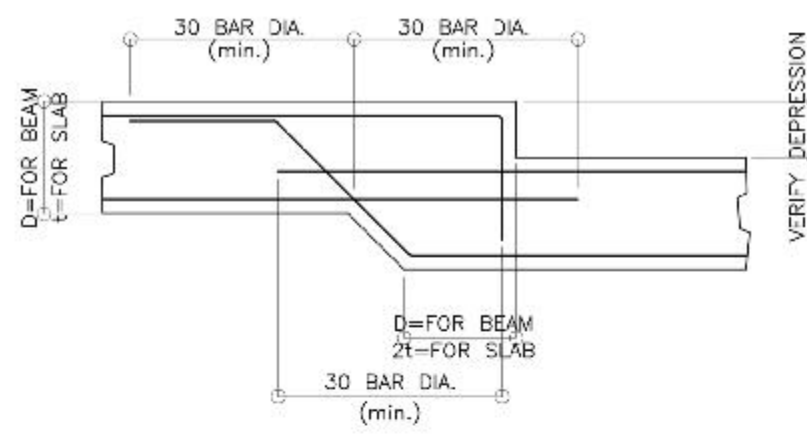
TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING



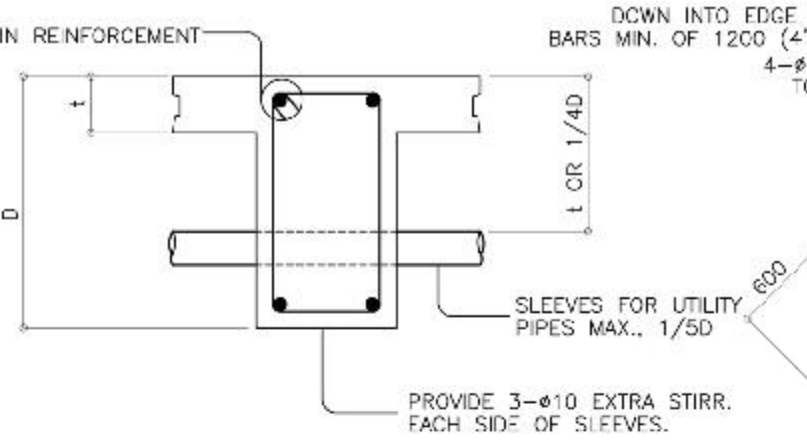
SECTION



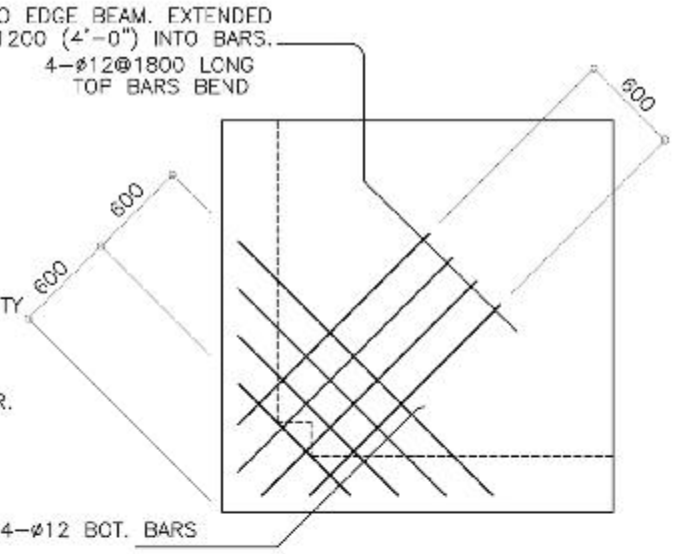
TYPICAL SLAB AND BEAM CONSTRUCTION JOINT DETAIL



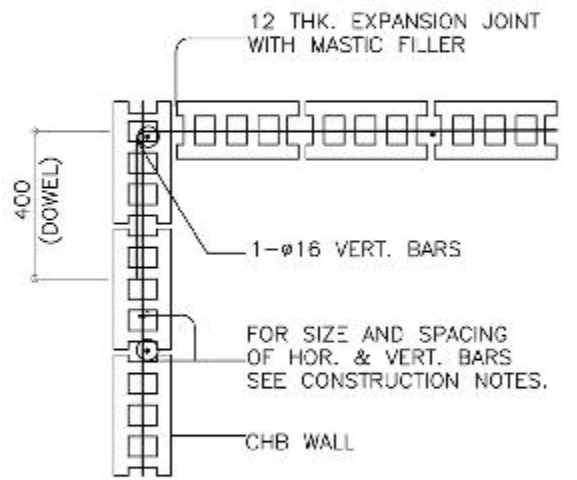
TYPICAL DETAIL FOR BEAM OR SLAB CHANGE SOFFIT



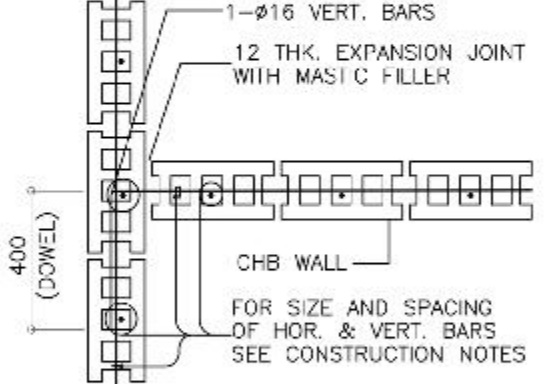
TYPICAL DETAIL FOR SLEEVES THRU CONCRETE BEAM



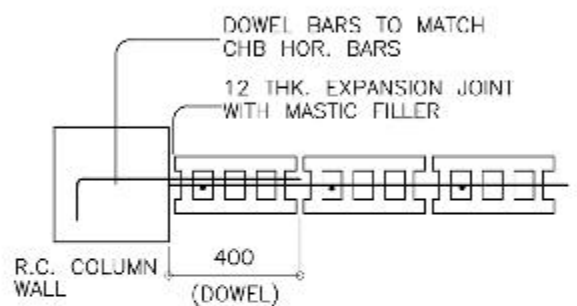
TYPICAL CORNER SLAB DETAIL



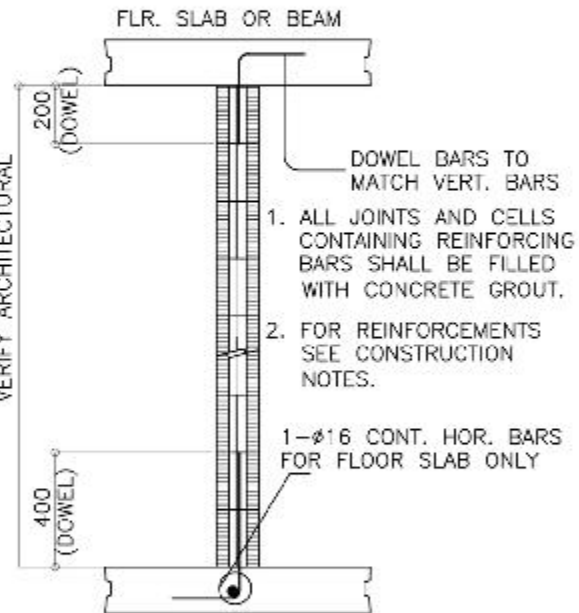
CORNER WALL



INTERSECTION WALL

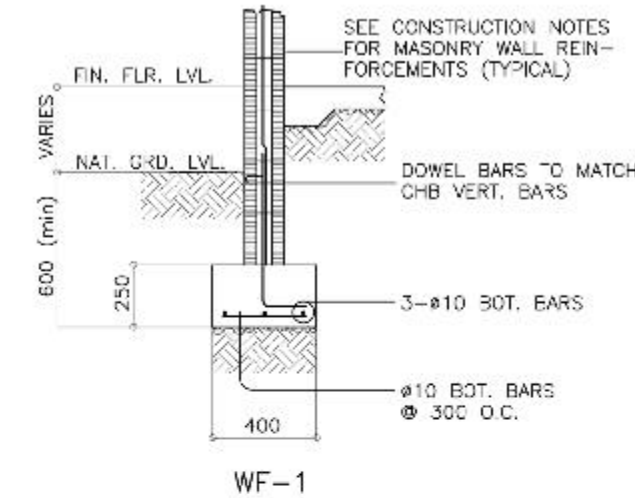


OPENING OR END WALL

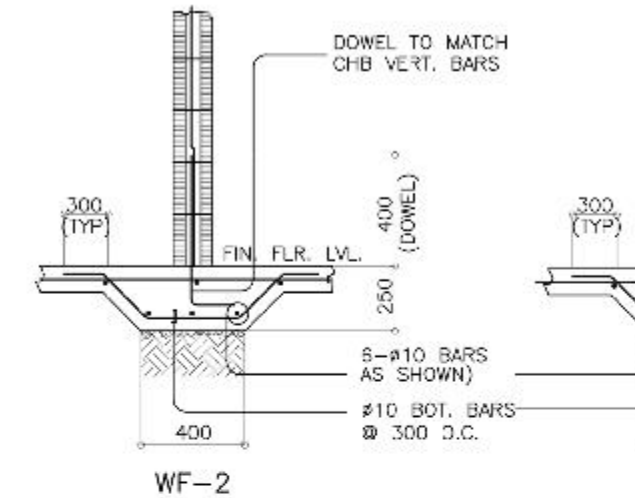


TYPICAL SECTION OF MASONRY PARTITION REINFORCEMENTS

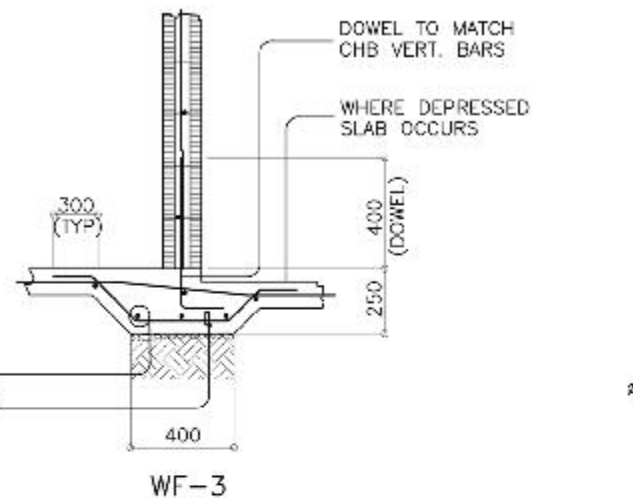
TYPICAL CONNECTION DETAIL OF MASONRY WALL



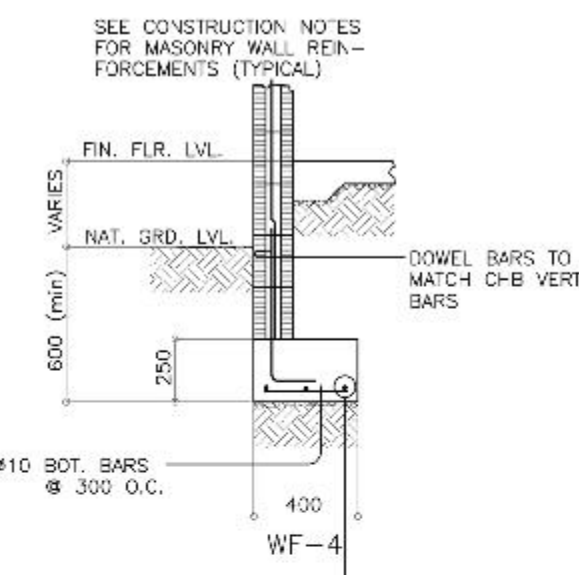
WF-1



WF-2



WF-3



WF-4

WALL FOOTING (WHERE APPLICABLE)

**LUCKY STAR**

CONSTRUCTION & TRADING

SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION  
IN JUKING • EQUIPMENT RENTALS

LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA

STRUCTURAL ENGINEER	RA 9266 SECTION 3	CHECKED BY :	PROJECT TITLE :	COMMENDING APPROVAL :	APPROVED BY :	SHEET CONTENT	SHEET NO.
ENGR. IXOPERIO R. BONZON	Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document.	JOHN DARREL M. SANTOS ENGINEER IV	PROPOSED 5 STOREY MULTI SPECIALTY BUILDING	MYRNA V. MACAT CHIEF ADMINISTRATIVE OFFICER	GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF II	GENERAL NOTES ON CONSTRUCTION	S.01 1 13
PRC No.: 0041158 PTR No.: 6482784 DATE: 03/30/17	VALIDITY: 12/19/2020 PLACE ISSUED: PAMP TIN No.: 103 497 448	PRC No.: 0125250 PTR No.: 3058021 DATE: 01/18/17	VALIDITY PLACE ISSUED: BALANGA TIN No.: 435023585				



### A. GENERAL

[illegible]

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI 308)
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLLMPS AS FOLLOWS

ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, F603, GRADE 40 FOR 3A, 10 AND 30, ALL OTHER BARS AND GRADE 60 FOR 3A, 90 AND 149 OTHER BARS

4. GENERAL: THE LATEST EDITION OF ACI 308, MANUAL OF STANDARD PRACTICE OF DETAIL FOR REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO, UNLESS OTHERWISE SHOWN OR NOTED.

3. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPIKE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE
- A CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, BILLS, STOPS, EQUIPMENT, AND MECHANICAL PARTS THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS

3. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONCRETE CURE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, DURING COMPOUNDS OR OTHER APPROVED METHODS.

- #### 11. STRIPPING OF FORMS AND ETC.

## CONCRETE & REINFORCEMENT

- ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 30 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6,500 PSI, SHALL BE DEVELOPED.

2. PROVIDE 1/8" DIA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS AND EACH SIDE OF OPENINGS.

9. INTEL BEAMS SHALL BE AT LEAST 8 INCHES (200 MM) ON EACH SIDE OF MASONRY SIDE OF MASONRY WALL OPENING.

4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE  
 JOINED. EOWELS FROM CONCRETE FOOTINGS OR CLASSICAL ENTEN INTO  
 THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETERS, AND EOWELS TO MATCH VERTICAL  
 REINFORCEMENTS OF WALL

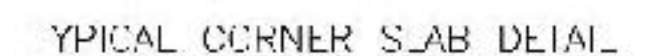
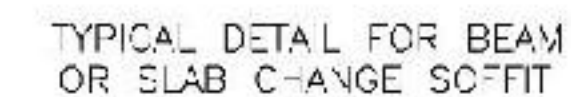
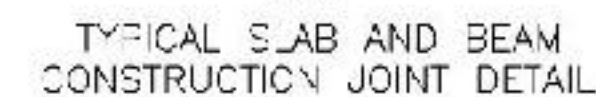
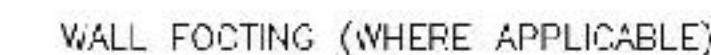
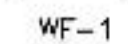
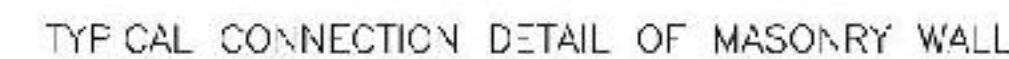
2. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY  
FILLED WITH CONCRETE GROUT (NOT REINFORCING CEMENTS)

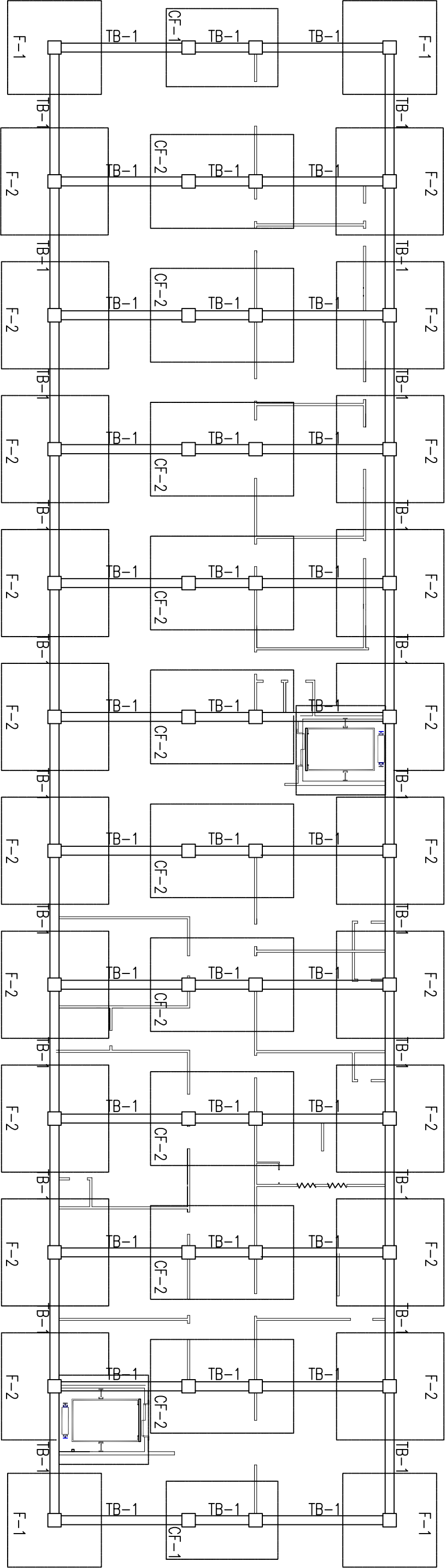
#### D. FOUNDATION

1. FOUNDATION: FOOTING ON BORED PILE OR MICROPILE, INCLUDING PILE CAPS, GRS AND CONSTRUCTION SHALL BE DONE BY A REPUTABLE FOUNDATION CONTRACTOR, AS APPROVED BY THE STRUCTURAL ENGINEER.

## C. STEEL

1. ALL STRUCTURAL STEEL WORKS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING.
2. ALL STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO ASTM A36.
3. ALL BOLTS SHALL CONFORM TO ASTM A325.
4. THE CONTRACTOR SHALL SUBMIT A FABRICATION DRAWING OF ALL STRUCTURAL STEEL DRAWING TO INDICATE ALL DIMENSIONS, CONNECTIONS AND DETAILS OF CONNECTIONS AND SAMPLES FOR REVIEW AND APPROVAL OF THE ENGINEER PRIOR TO ERECTION.
5. ALL STRUCTURAL MEMBER SHALL BE PRIMED WITH A SHOP COAT OF EPOXY COATING TO PREVENT CORROSION AND PRIOR TO ERECTION A SECOND COAT OF PRIMER SHALL BE APPLIED TO ALL EXPOSED SURFACES.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AS SHOWN IN THESE DRAWINGS AT THE SITE PRIOR TO THE PREPARATION OF SHOP DRAWINGS.





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S-02

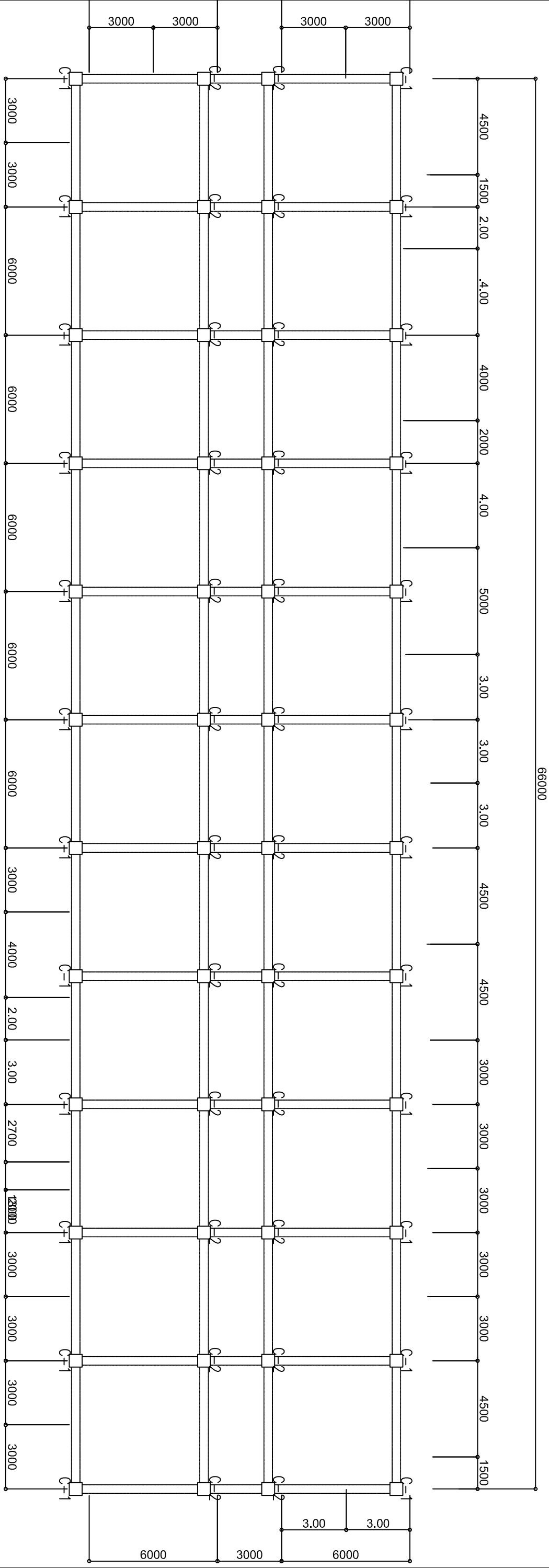
FOUNDATION PLAN

SCALE

1:100M/TS

<div><div><div><div><div><div></div><div>LUCKY STAR</div></div><div>CONSTRUCTION &amp; TRADING</div><div>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKING • EQUIPMENT RENTALS</div></div></div><div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN CITY OF SAN FERNANDO, PAMPANGA</div></div></div></div>		STRUCTURAL ENGINEER/		RA 9266 SECTION 3		CHECKED BY : JOHN DANIEL M. SANTOS ENGINEER IV		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT AS SHOWN		SHEET NO. S.02 2 / 13	
ORIGINAL SIGNED ENGR. IXOPERIO R. BONZON		PRG. No.: 0041158 PTR. No.: 6482784 DATE: 03/30/17		VALIDITY: 12/19/2020 PLACE ISSUED: PAMP		TIN No.: 103 497 448		DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS FULLY SIGNED, STAMPED OR SEALED, AS REQUIRED BY RA 9266, SECTION 3, AND THE ARCHITECT, ENGINEER, OR OTHER PROFESSIONAL PERSON, FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE VALID FOR ANY PERSON TO SIGNATURE OR MAKE ANY OTHER SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENT S.		DATE: 01/18/17		TIN No.: 435023585		BALANGA CITY, BATIAN			





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S-03

GROUND AND 2ND FLOOR COLUMN

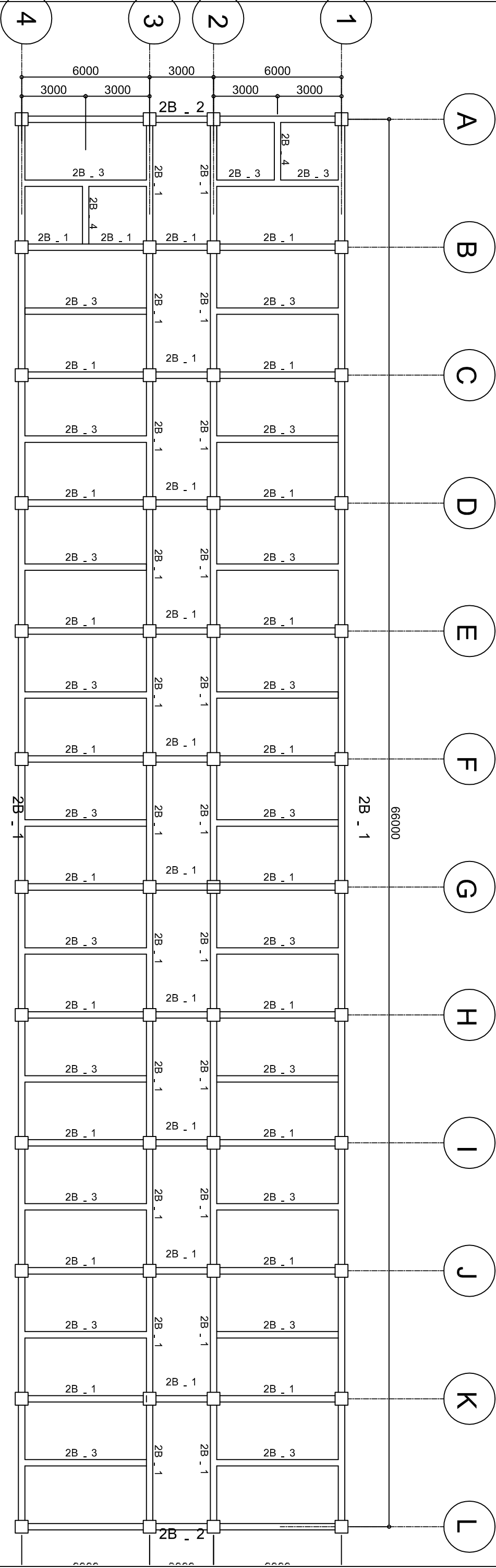
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<div><div><div><div><div><div></div><div>LUCKY STAR</div></div><div>CONSTRUCTION &amp; TRADING</div></div><div><div>DESIGN • DEVELOPMENT • CONSTRUCTION</div><div>TRUCKING • EQUIPMENT RENTALS</div></div></div><div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN CITY OF SAN FERNANDO, PAMPANGA</div></div></div></div>		STRUCTURAL ENGINEER		RA 9266 SECTION 3		CHECKED BY : <div>JOHN DANIEL W. SANTOS ENGINEER IV</div>		PROJECT TITLE : <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>		COMMENDING APPROVAL : <div>MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER</div>		APPROVED BY : <div>GLORY V. BALTAZAR MD, MPH, MHA, CESE MEDICAL CENTER CHIEF</div>		SHEET CONTENT AS SHOWN		SHEET NO. <div>S.03 313</div>	
<div>ORIGINAL SIGNED</div> <div>ENGR. IXOP/PIO R. BONZON</div>		<div>PRC No.: 0041158</div> <div>PTR No.: 6482784</div> <div>DATE: 03/30/17</div>		<div>VALIDITY: 12/19/2020</div> <div>PLACE ISSUED: PAMP</div> <div>TIN No.: 103 497 448</div>		<div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by law, shall be the property of the architect and documents of the architect, whether the object for which they are made is executed or not. It shall be waived for any person to duplicate or make copies of the drawings and specifications and other contract documents and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document s.</div>		<div>PRC No.: 0128280</div> <div>PTR No.: 3058921</div> <div>DATE: 01/18/17</div>		<div>VALIDITY</div> <div>PLACE ISSUED: BALANGA</div> <div>TIN No.: 435023585</div>		<div>LOCATION : BATAN GENERAL HOSPITAL</div> <div>BALANGA CITY, BATAN</div>					










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S-06

SCALE

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SECOND FLOOR FRAMING PLAN

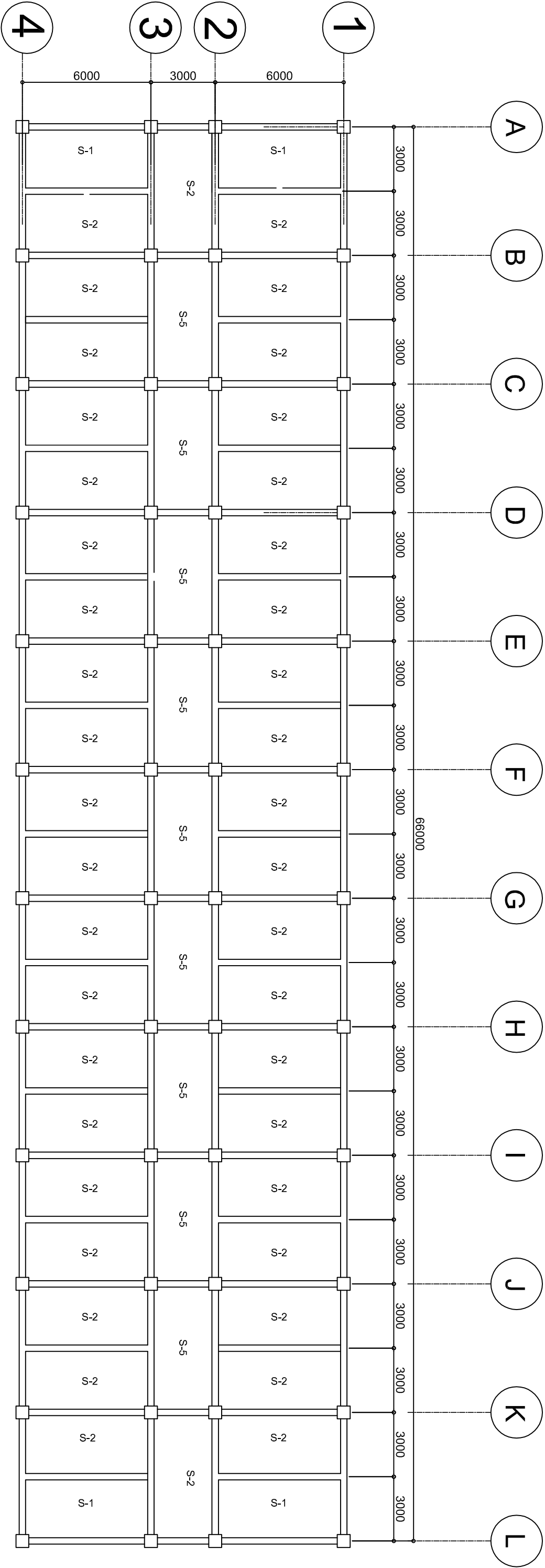
<div><div><div><div>Lucky Star</div><div>CONSTRUCTION &amp; TRADING</div></div></div><div>SERVICES: DESIGN • DEVELOPMENT • CONSTRUCTION TRUCKING • EQUIPMENT RENTALS</div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN CITY OF SAN FERNANDO, PAMPANGA</div></div>		STRUCTURAL ENGINEER <div><div>ORIGINAL SIGNED</div><div>ENGR. IXOP/RIO R. BONZON</div></div>		RA 9266 SECTION 3 <div>Drawings and specifications and other contract documents duly signed, stamped or sealed, as required by the laws of the Philippines, shall be the property of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of the same, or to use the same for any other project or building, whether executed partly or in whole, without the written consent of the architect or author of said document. s.</div>		CHECKED BY : <div><div>JOHN DANIEL M. SANTOS</div><div>ENGINEER IV</div></div>		PROJECT TITLE : <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>		COMMENDING APPROVAL : <div><div>MYRNA V. MAGAT</div><div>CHIEF ADMINISTRATIVE OFFICER</div></div>		APPROVED BY : <div><div>GLORY V. BALTAZAR MD, MPH, MHA, CESE</div><div>MEDICAL CENTER CHIEF</div></div>		SHEET CONTENT AS SHOWN		SHEET NO. S.06 6 13	
PTR No.: 0041158 DATE: 03/30/17		VALIDITY: 12/19/2020 PLACE ISSUED: PAMP TIN No.: 103 497 448		PTR No.: 0128280 DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA TIN No.: 439023585		LOCATION : BATIAN GENERAL HOSPITAL BALANGA CITY, BATIAN									












1  
TYPICAL FLOOR SLAB (2ND, 3RD, 5TH)

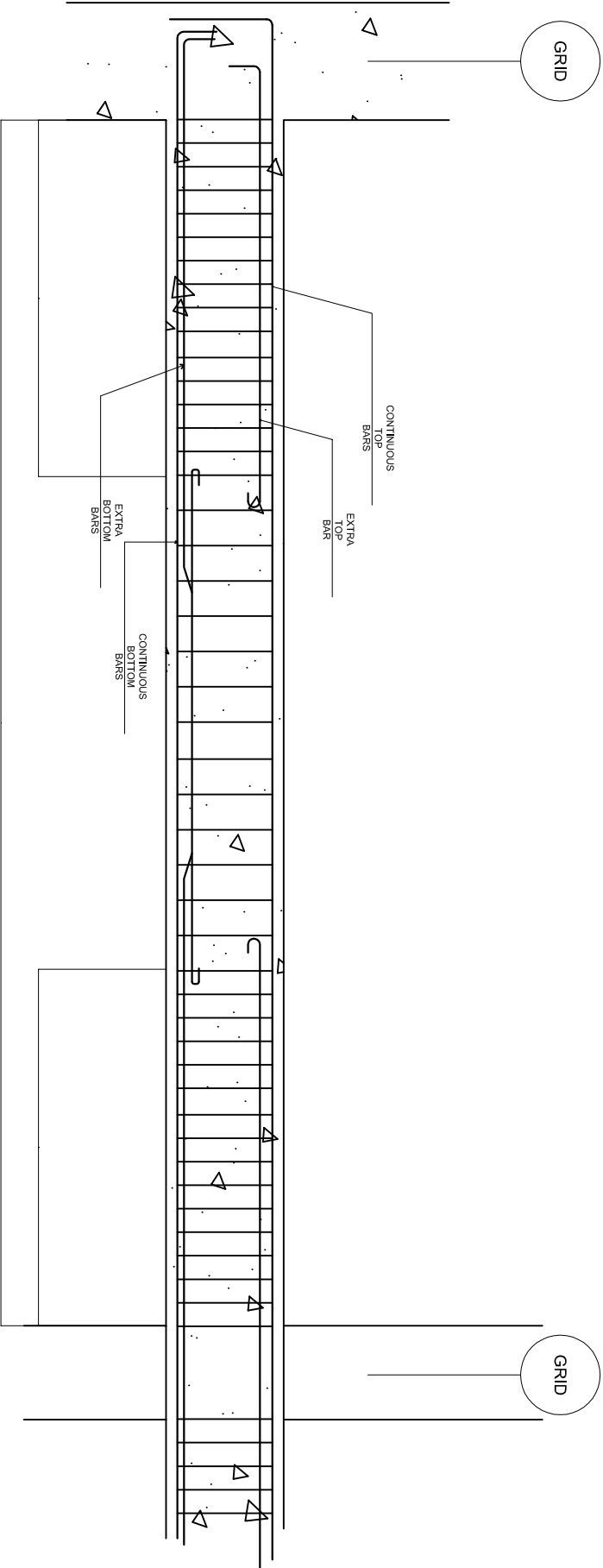
S-10

SCALE 1:100M/TS

<div><div><div><div>Lucky Star</div><div>CONSTRUCTION &amp; TRADING SERVICES</div><div>DESIGN • DEVELOPMENT • CONSTRUCTION</div><div>TRUCKING • EQUIPMENT RENTALS</div></div></div><div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDALAN CITY OF SAN FERNANDO, PAMPANGA</div></div></div>		STRUCTURAL ENGINEER		RA 9266 SECTION 3		CHECKED BY :		PROJECT TITLE :		COMMENDING APPROVAL :		APPROVED BY :		SHEET CONTENT		SHEET NO.	
<div><div><div>ORIGINAL SIGNED</div><div>ENGR. IXOPRIMO R. BONZON</div></div></div>		<div><div><div>PRC No.: 0041158</div><div>PTB No.: 6482784</div><div>DATE: 03/30/17</div></div><div><div>VALIDITY: 12/19/2020</div><div>PLACE ISSUED: PAMP</div><div>TIN No.: 103 497 448</div></div></div>		<div><div>Drawings and specifications and other contract documents fully signed, stamped or sealed, as required by the law, and the original copies of the same, together with the original copies of the documents of the architect, whether the object for which they are made is executed or not. It shall be valid for any person to duplicate or make copies of the same, and the original copies of the same shall be retained by the architect or author of said document s.</div></div>		<div><div><div>JOHN DANIEL M. SANTOS</div><div>ENGINEER IV</div></div></div>		<div><div><div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div><div>LOCATION : BATIAN GENERAL HOSPITAL</div><div>BALANGA CITY, BATIAN</div></div></div>		<div><div><div>MYRNA V. MAGAT</div><div>CHIEF ADMINISTRATIVE OFFICER</div></div></div>		<div><div><div>GLORY V. BALTAZAR MD, MPH, MHA, CESE</div><div>MEDICAL CENTER CHIEF</div></div></div>		<div>AS SHOWN</div>		<div><div>S.10</div><div>1013</div></div>	







1  
S-12  
TYPICAL BEAM DETAIL  
NTS

BEAM SCHEDULE

NAME	B	D	CONT.	EXTRA TOP BARS (L/4)		CONT.	EXTRA BOTTOM BARS (@MIDSPAN)		STIRRUPS (10mm)
			TOP BARS	LEFT	RIGHT	BOTTOM BARS	MIDSPAN	STIFFENERS	
TIE BEAM									
TB-1	300mm	400mm	4-16mm	1-16mm	1-16mm	4-16mm	1-16mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
GROUND BEAM									
GB-1	300mm	500mm	5-20mm	-	-	4-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
GB-2	300mm	500mm	3-20mm	1-20mm	1-20mm	3-20mm	2-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
GB-3	300mm	500mm	5-20mm	1-20mm	1-20mm	3-20mm	3-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
GB-4	300mm	500mm	4-20mm	1-20mm	1-20mm	5-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
GB-5	200mm	400mm	5-16mm	-	-	5-16mm	-	2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.
SECOND FLOOR BEAM									
2B-1	300mm	500mm	7-20mm	2-20mm	2-20mm	5-20mm	3-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
2B-2	300mm	500mm	6-20mm	1-20mm	1-20mm	6-20mm	3-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
2B-3	300mm	400mm	4-20mm			3-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.
2B-4	300mm	400mm	2-20mm			2-20mm		2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.

THIRD FLOOR BEAM

3B-1	300mm	500mm	6-20mm	2-20mm	2-20mm	4-20mm	2-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
3B-2	300mm	500mm	6-20mm	1-20mm	1-20mm	4-20mm	2-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
3B-3	300mm	400mm	3-20mm	-	-	3-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.
3B-4	300mm	400mm	2-20mm	-	-	2-20mm	-	2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.

FOURTH FLOOR BEAM

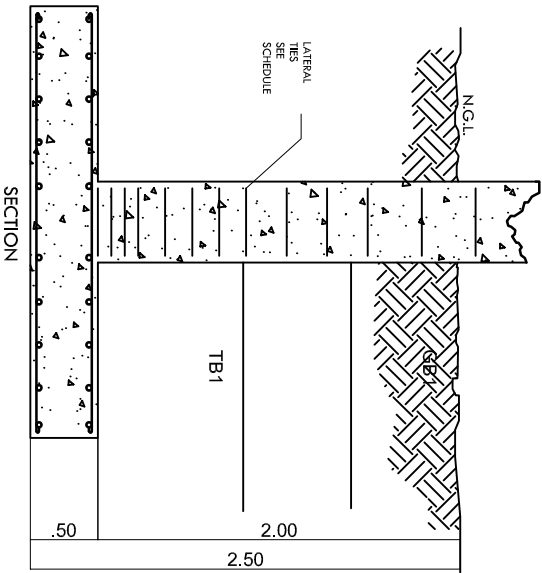
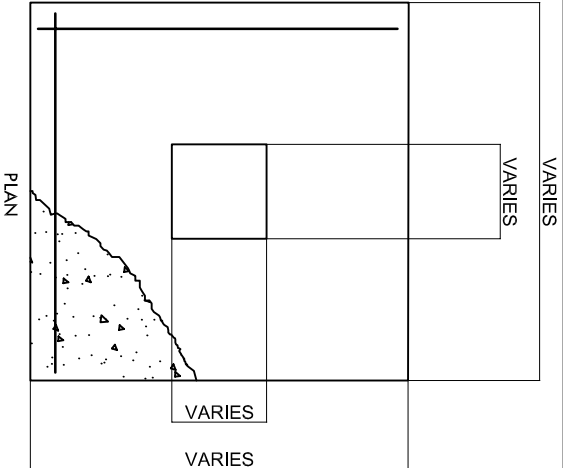
4B-1	300mm	500mm	7-20mm	1-20mm	2-20mm	5-20mm	2-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
4B-2	300mm	500mm	5-20mm	2-20mm	1-20mm	4-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
4B-3	300mm	400mm	4-20mm	-	-	3-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
4B-4	300mm	400mm	2-20mm	-	-	2-20mm	-	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.

FIFTH FLOOR BEAM

5B-1	300mm	500mm	5-20mm	1-20mm	2-20mm	5-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
5B-2	300mm	500mm	4-20mm	1-20mm	1-20mm	4-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
5B-3	300mm	400mm	4-20mm	-	-	3-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.
5B-4	300mm	400mm	2-20mm	-	-	2-20mm	-	2-12mm	1@50mm, L/4@100mm, MIDSPAN@200mm O.C.
5B-5	300mm	500mm	4-20mm	1-25mm	1-25mm	4-20mm	1-20mm	2-12mm	1@50mm, L/4@100mm, MIDSPAN@150mm O.C.

<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>LUCKY STAR</div><div>CONSTRUCTION &amp; TRADING</div></div><div><div>DESIGN • DEVELOPMENT • CONSTRUCTION</div><div>TRUCKING • EQUIPMENT RENTALS</div></div></div><div><div>LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDOLAN CITY OF SAN FERNANDO, PAMPANGA</div></div></div></div>			STRUCTURAL ENGINEER <div>ORIGINAL SIGNED ENGR. IXOPHILIO R. BONZON</div>		RA 9266 SECTION 3 <div>Drawings and specifications and other contract documents fully signed, stamped or sealed, as required by the law, and the engineer's seal and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or make copies of any drawing, specification, or contract and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said document s.</div>		CHECKED BY: <div>JOHN DANIEL M. SANTOS ENGINEER IV</div>		PROJECT TITLE : PROPOSED 5 STOREY MULTI SPECIALTY BUILDING		COMMENDING APPROVAL : MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		APPROVED BY : GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF		SHEET CONTENT AS SHOWN		SHEET NO. S.12 12 13	
PRG. No.: 0041158 PTR. No.: 6482764 DATE: 03/30/17			VALIDITY: 12/19/2020 PLACE ISSUED: PAMP		DATE: 01/18/17		VALIDITY PLACE ISSUED: BALANGA		BALANGA CITY, BATIAN									

SCHEDULE OF FOOTING							
EMBEDMENT DEPTH: 2.00 FROM NGL							
NAME	W	L	T	DEPTH	BAR Ø	W	L
F-1	4.20	4.20	0.50	2.50	20mm	24 pcs	24 pcs
F-2	4.80	4.80	0.50	2.50	20mm	35 pcs	35 pcs
CF-1	3.50	5.00	0.50	2.50	20mm	18 pcs	25 pcs
CF-2	4.20	6.40	0.50	2.50	20mm	20 pcs	30 pcs
F-3	4.00	4.00	0.50	2.50	20mm	120mm O.C.	@110mm O.C. (ELEVATOR ONLY)

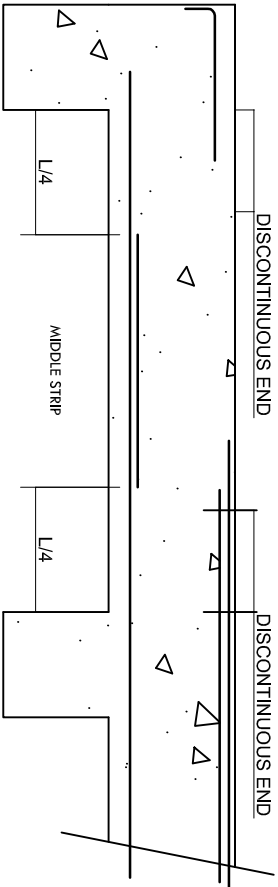


SCHEDULE OF SLAB

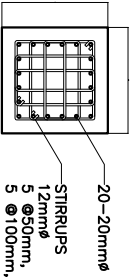
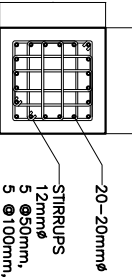
Slab Designation	Column Strip Continuous End		Middle Strip		Column Strip Discontinuous End	
bar Ø	12mm	12mm	12mm	12mm	12mm	12mm
	Short Dir.	Long Dir.	Short Dir.	Long Dir.	Short Dir.	Long Dir.
S-1	175mm	300mm	200mm	300mm	300mm	300mm
S-2	175mm	300mm	200mm	300mm	300mm	300mm
S-3	200mm	300mm	300mm	300mm	300mm	300mm
S-4	175mm	125mm	250mm	300mm	300mm	300mm
S-5	175mm	300mm	250mm	300mm	300mm	300mm

1 FOOTING DETAIL

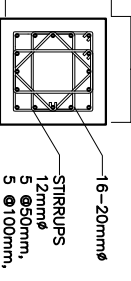
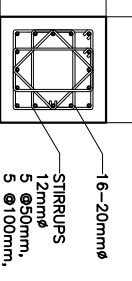
2 TYPICAL SLAB DETAIL



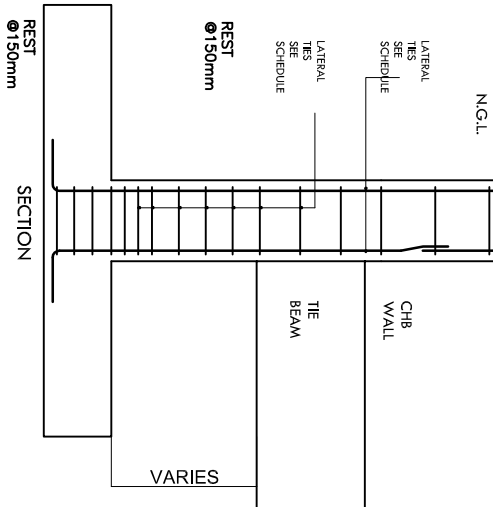
COLUMN SCHEDULE

DESIGNATION	GF TO 2ND	GRADE
C-1		60
C-2		60


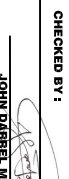


COLUMN SCHEDULE

DESIGNATION	3RD TO 5TH	GRADE
C-3		60
C-4		60

3 TYPICAL COLUMN DETAIL



LUCKY STAR BLDG. 2, MCARTHUR HIGHWAY, SINDOLAN CITY OF SAN FERNANDO, PAMPANGA

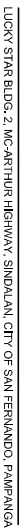
STRUCTURAL ENGINEER		RA 9266 SECTION 3		CHECKED BY :		PROJECT TITLE :		COMMENDING APPROVAL :		APPROVED BY :		SHEET CONTENT	SHEET NO.
		<b>ENGR. IXOPERTO R. BONZON</b>				<b>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</b>						AS SHOWN	S.13
PRG. No.: 0041158		VALIDITY: 12/19/2020		PRG. No.: 0128280		LOCATION : BATYAN GENERAL HOSPITAL		MYRNA V. MAGAT CHIEF ADMINISTRATIVE OFFICER		GLORY V. BALTAZAR, MD, MPH, MHA, CESE MEDICAL CENTER CHIEF			
PTR. No.: 6482784		PLACE ISSUED: PAMP		PTR. No.: 3059291		BALANGA CITY, BATYAN							
DATE: 03/30/17		TIN No.: 103 497 448		DATE: 01/18/17									





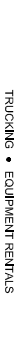


MECHANICAL ENGINEER		RA 9266 SECTION 3	
<div>ORIGINAL SIGNED</div> <div>ENGR. ILOPERIO BONZON</div> <div>PRC No. 00441158</div> <div>VALIDITY: 12/19/2020</div> <div>PTR. No. 6482784</div> <div>PLACE ISSUED: PAMP</div> <div>DATE: 3/30/17</div> <div>TIN No.: 103 497 448</div>		<div>Drawings and specifications, and other contract documents duly signed, stamped or sealed, as Instruments of service, are the intellectual property of the Engineer and shall remain his/her property for which they are made is executed or not, it shall be unlawful for any person to duplicate or make copies of the same without the written consent of the owner for other projects or buildings, whenever executed partly or in whole, without the written consent of the architect or author of said documents.</div>	
<div>JOHN A. SANTIAGO</div> <div>REGISTERED PROFESSIONAL MECHANICAL ENGINEER IV</div> <div>PRC No. 0152550</div> <div>VALIDITY</div> <div>PTR. No. 5068921</div> <div>PLACE ISSUED: BALANGA</div> <div>DATE: 01/18/17</div> <div>TIN No.: 435023585</div>		<div>PROJECT TITLE :</div> <div>PROPOSED 5 STOREY MULTI SPECIALTY BUILDING</div>	
<div>MIRNA V. MAGAT</div> <div>CHIEF ADMINISTRATIVE OFFICER</div> <div>LOCATION: BATYAN GENERAL HOSPITAL</div> <div>BALANGA CITY, BATYAN</div>		<div>COMMENDING APPROVAL :</div>	
<div>GLORY V. BALUTZAR, MP, MPH, MHA, CESE</div> <div>MEDICAL CENTER CHIEF</div>		<div>APPROVED BY :</div>	
AS SHOWN		SHEET CONTENT	
A.02		SHEET NO.	



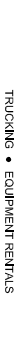






LUCKY STAR BLDG. 2, MC-ARTHUR HIGHWAY, SINDALAN, CITY OF SAN FERNANDO, PAMPANGA





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# 1 SCHEDULE OF DOORS AND WINDOWS

