



NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ELMER T. RAMONEDA
PROJECT MANAGER

1 1 EXTERIOR PERSPECTIVE
AR SCALE NTS

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Office of the Building Official

DISTRICT / CITY / MUNICIPALITY

LAND USE & ZONING

LINE & GRADE

ARCHITECTURAL

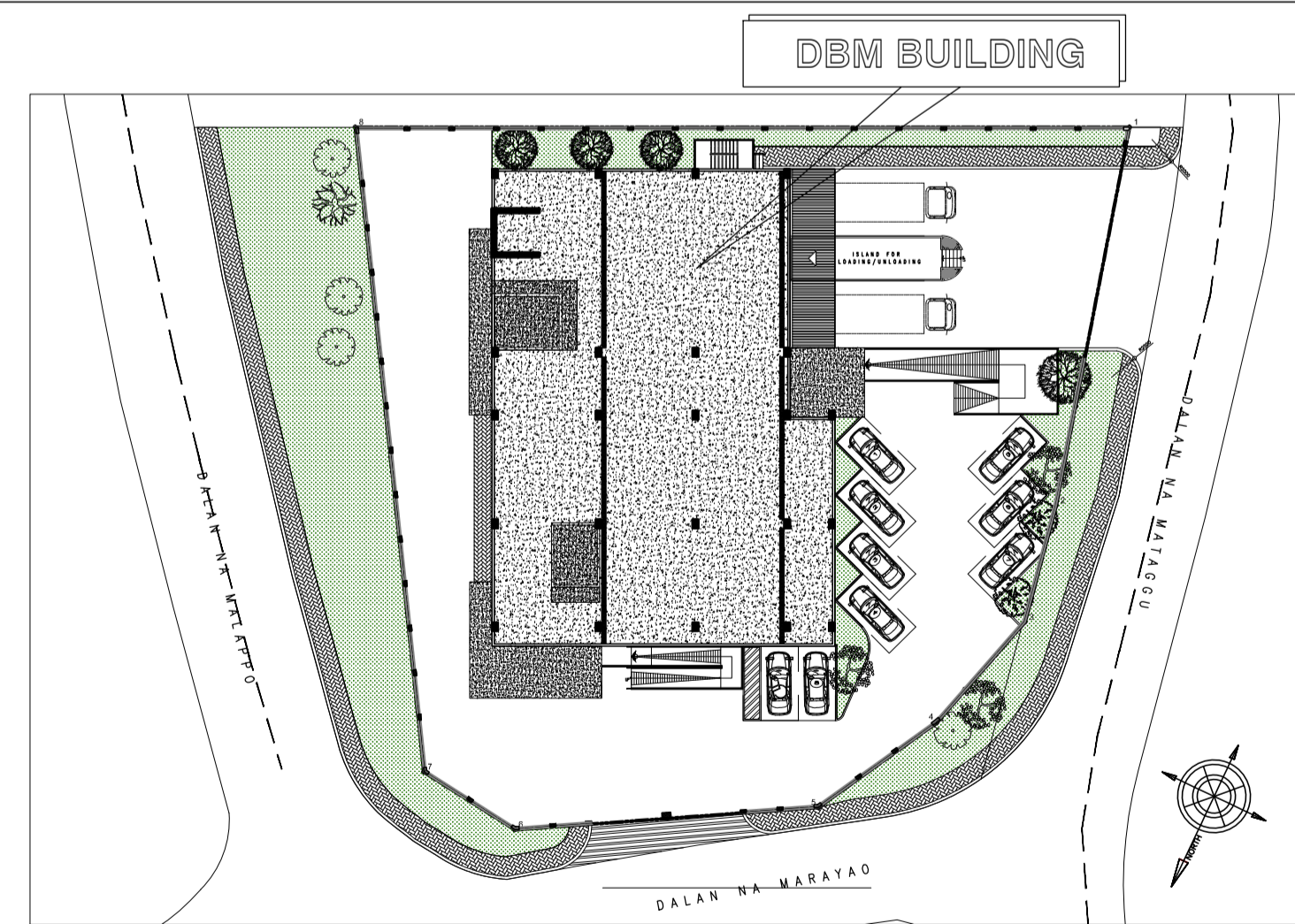
STRUCTURAL

SANITARY

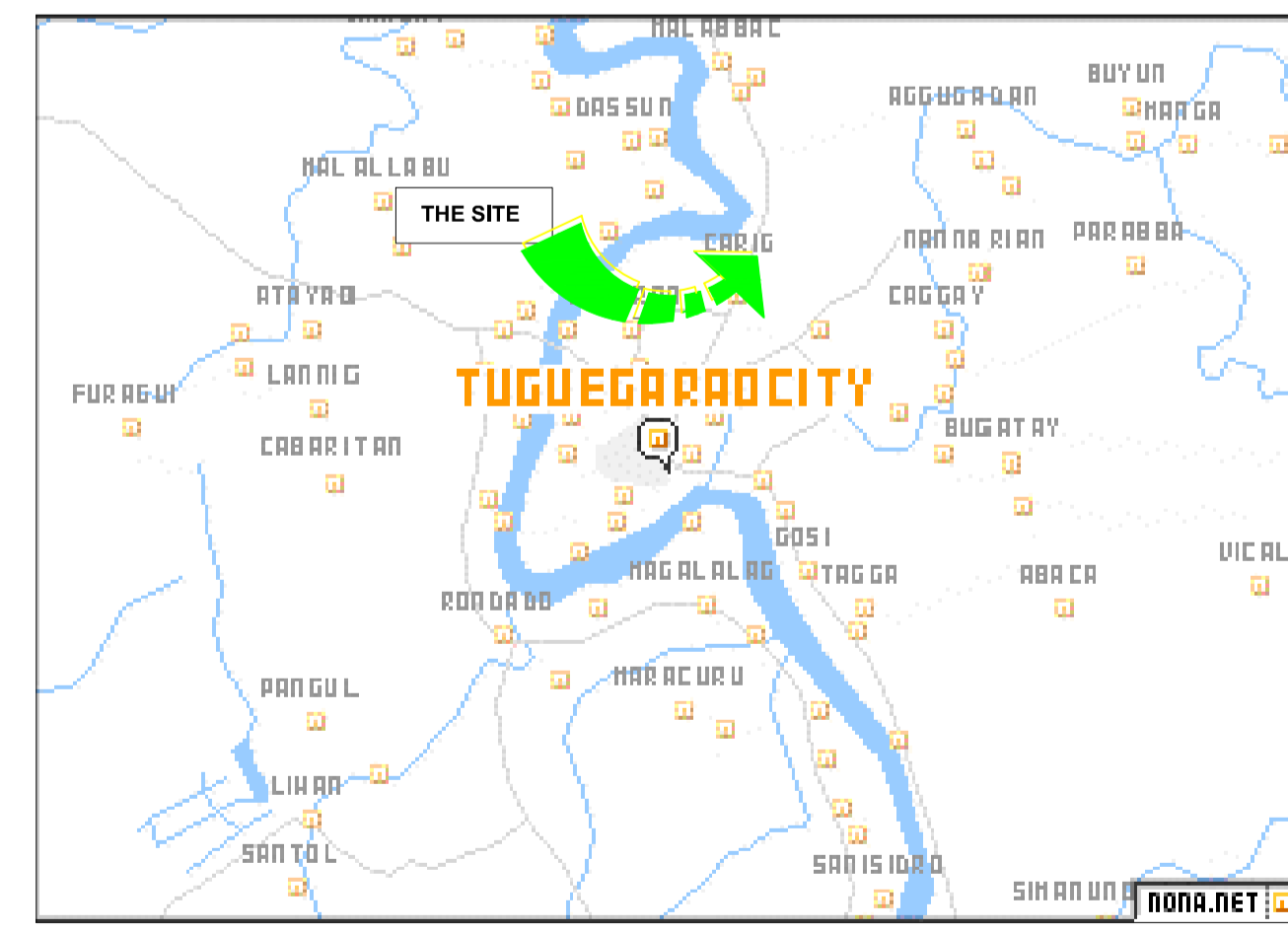
ELECTRICAL

MECHANICAL

ELECTRONICS



2 1 MASTER SITE KEY PLAN
AR SCALE NTS



3 1 LOCATION MAP
AR SCALE NTS



4 1 VICINITY MAP
AR SCALE NTS

URBAN ENGINEERS
CONSULTING CIVIL ENGINEERS
in joint venture with
J.F. CANCIO & Associates
ENGINEERS
PTC Engineers & Associates

ARCHITECT: **GODOPE E. GARCIA**
DATE: FEB-08-2021
PTR NO.: 124936
PLACE: CABANATUAN CITY | TIN NO.: 427991026

SUBMITTED: **ELMER T. RAMONEDA**
PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

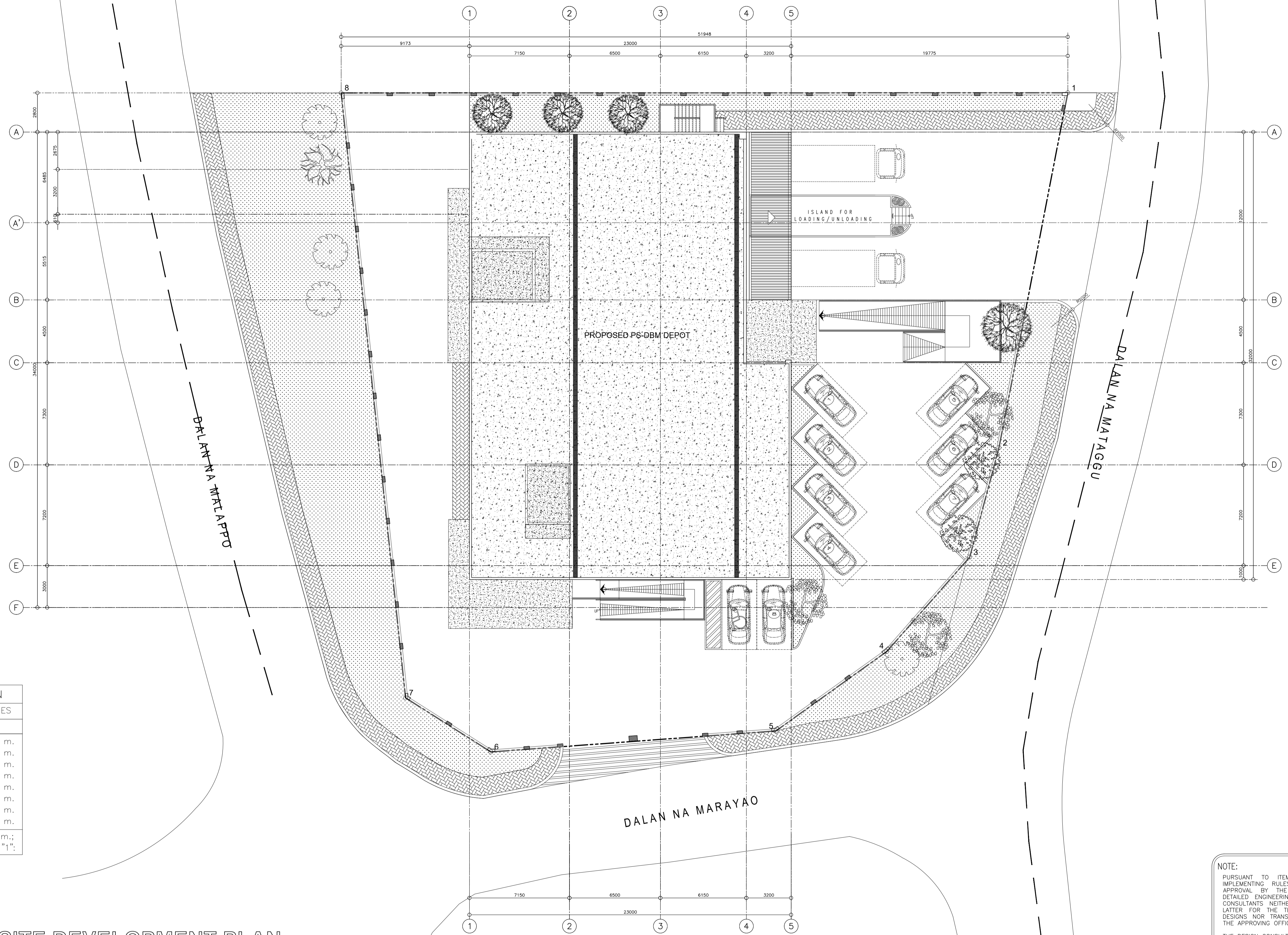
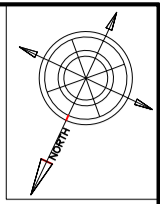
RECOMMENDING APPROVAL:
(SEE COVER SHEET)
EDWIN C. MATANGUIHAN
OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED:
(SEE COVER SHEET)
EMIL K. SADAIN, CESO I
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
EXTERIOR PERSPECTIVE
VICINITY MAP
LOCATION MAP
SITE DEVELOPMENT PLAN

SET NO. **A**
SHEET NO. **1**
36



TECHNICAL DESCRIPTION		
LINES	BEARINGS	DISTANCES
LOT 3-H-1		
1-2	N.34-39E.	25.84 m.
2-3	N.38-38E.	8.10 m.
3-4	N.64-59E.	8.98 m.
4-5	N.78-03E.	9.75 m.
5-6	S.70-32E.	20.44 m.
6-7	S.33-56E.	7.22 m.
7-8	S.17-36W.	43.50 m.
8-1	N.66-20W.	51.95 m.
TIE LINE: N.14-37W., 1689.19 m.; From MBM No.6, CAD-151 Corner "1":		

1 2
AR SCALE 1:150M

SITE DEVELOPMENT PLAN

NOTE:
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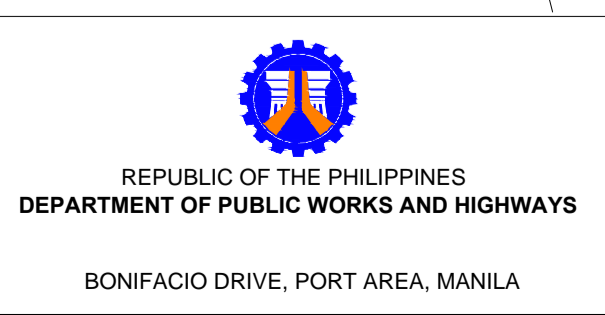
Elmer F. Ramoneda
PROJECT MANAGER



ARCHITECT: *Godofredo Garcia*
GODOFREDO GARCIA

SUBMITTED: *Elmer F. Ramoneda*
ELMER F. RAMONEDA
PROJECT MANAGER

PRC NO.: 19537 DATE: FEB-08-2021
PTR NO.: 124395 DATE: MAY-21-2019
PLACE: CABANATUAN CITY TIN NO.: 427991026



REVIEWED AS TO DESIGN CONCEPT: *Josephine P. Isturis*
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL: (SEE COVER SHEET)
EDWIN C. MATANGUIHAN
OIC. ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED: (SEE COVER SHEET)
EMIL K. SADAIN, CESO I
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

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SHEET CONTENTS:
SITE DEVELOPMENT PLAN
Scale 1:150m

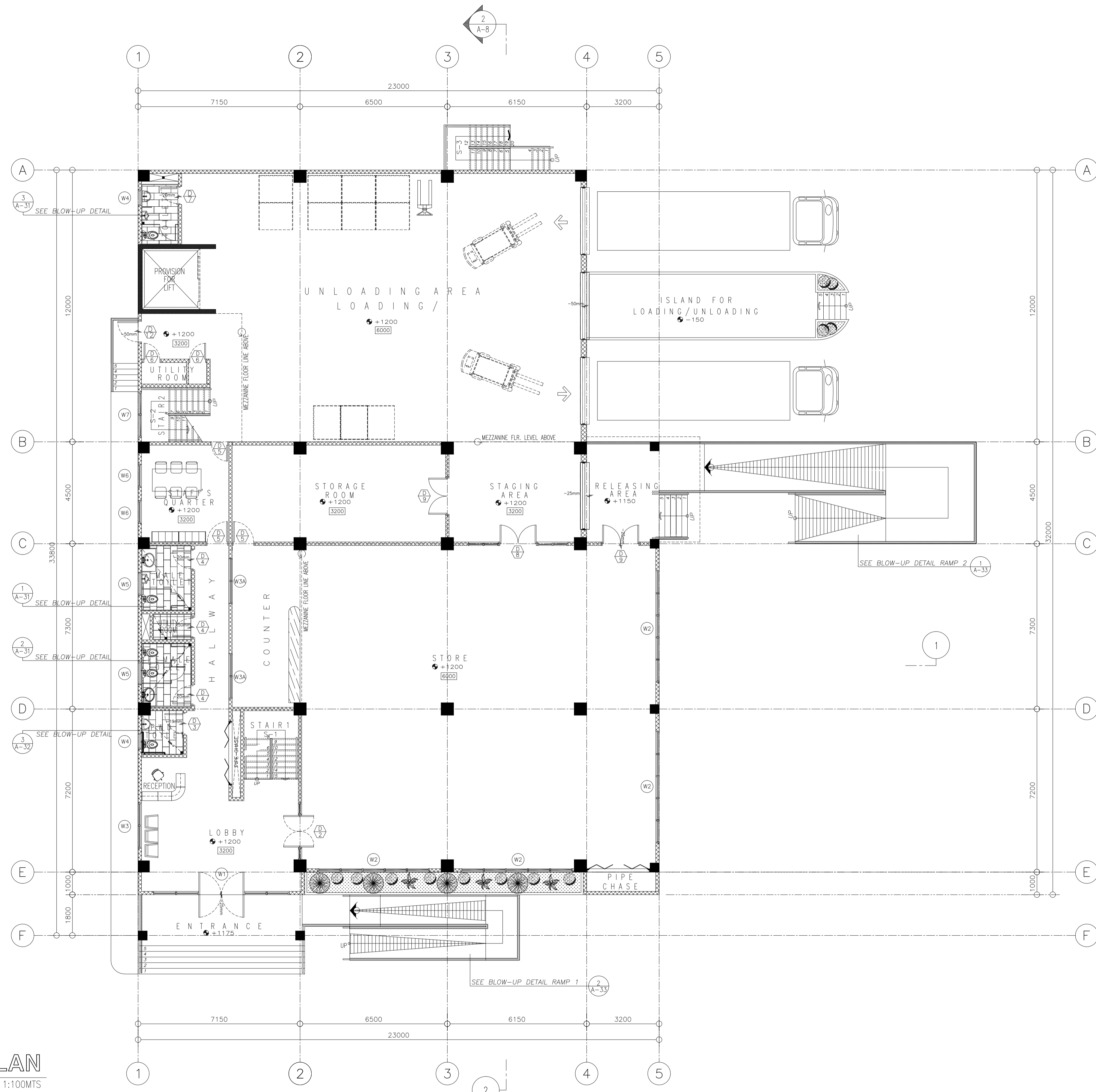
SET NO.	SHEET NO.
A	2
	36

LEGENDS:

- 000 FLOOR TO FLOOR HEIGHT
- +000 FINISH FLOOR LEVEL
- LEVEL CHANGE FOR FINISH
- CHB WALL
- SHEAR WALL/BEARING WALL
- COLUMN
- S-1 STAIR TAG
- D DOOR TAG
- W1 WINDOW TAG

GENERAL NOTES:

1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.



GROUND FLOOR PLAN
SCALE 1:100MTS

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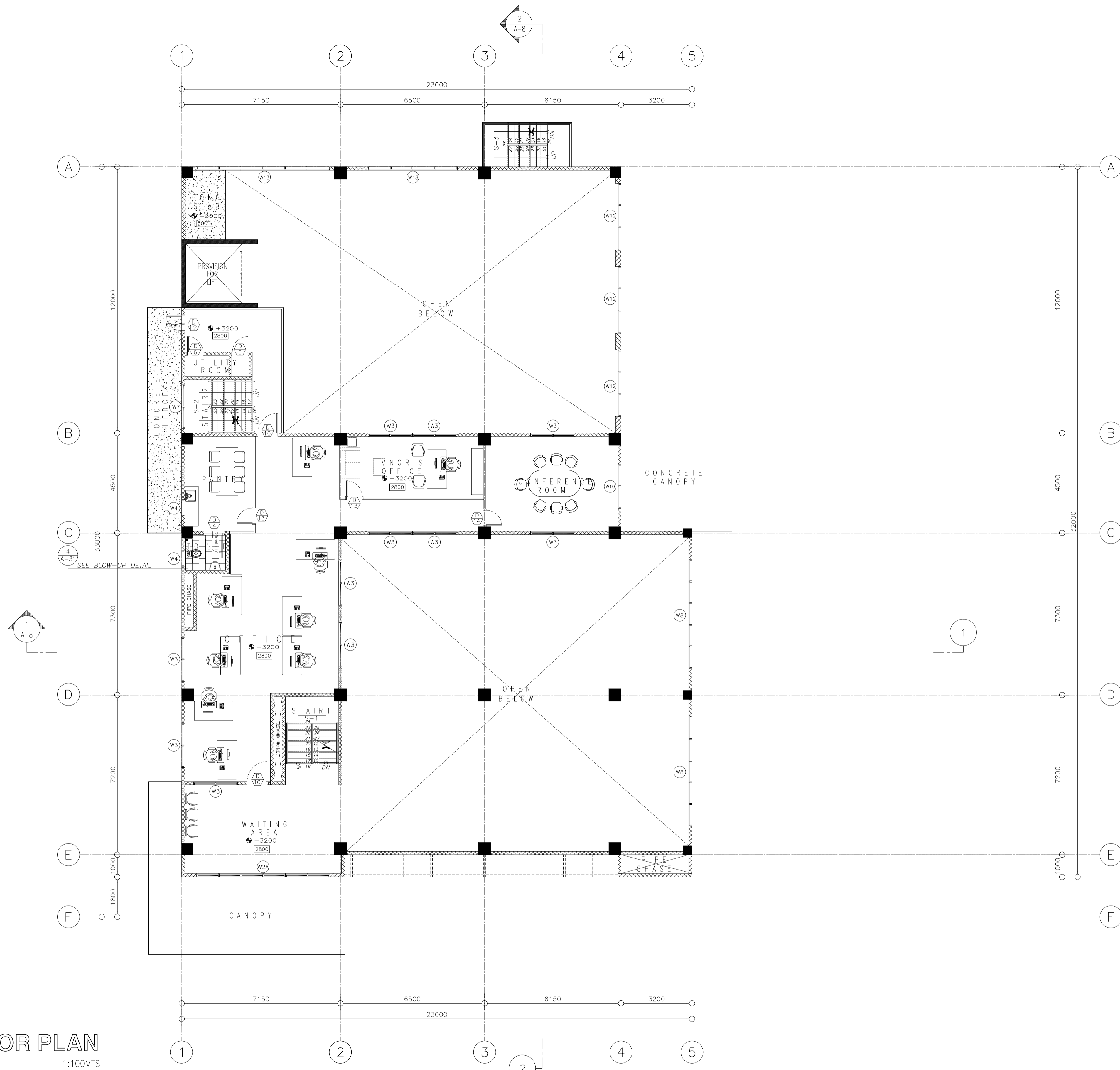
 CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO S. GARCIA PRC NO.: 18537 DATE: FEB-08-2021 PTR NO.: 1249385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR PLAN Scale 1:100m	SET NO. A	SHEET NO. 3 36
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LEGENDS:

- 000 FLOOR TO FLOOR HEIGHT
- +000 FINISH FLOOR LEVEL
- LEVEL CHANGE FOR FINISH
- CHB WALL
- SHEAR WALL/BEARING WALL
- COLUMN
- S-1 STAIR TAG
- D DOOR TAG
- W1 WINDOW TAG

GENERAL NOTES:

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MEZZANINE FLOOR PLAN
SCALE 1:100MTS

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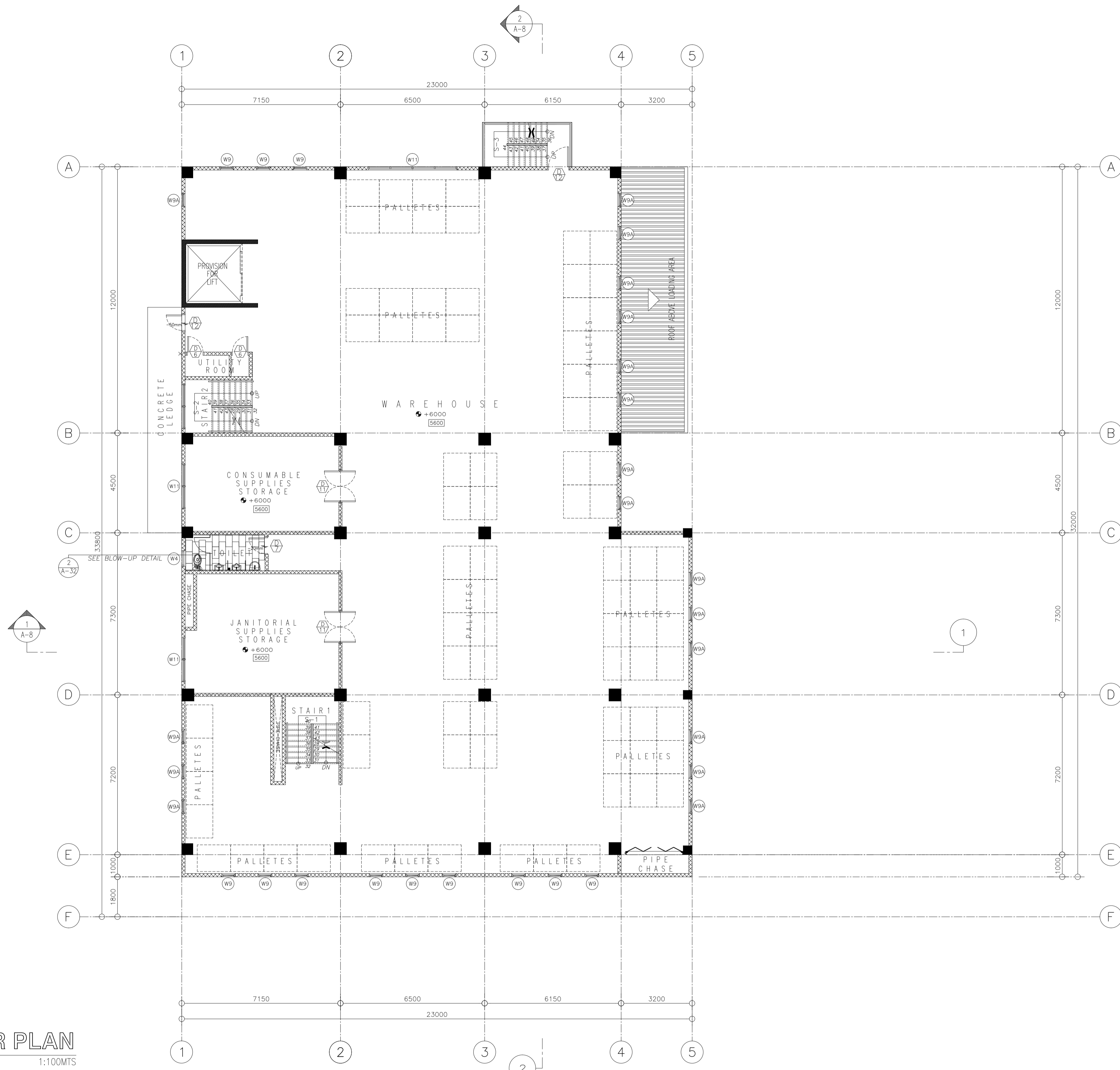
 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249395 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991028</small>	SUBMITTED: ELMER D. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE LEVEL PLAN Scale 1:100m	SET NO. A	SHEET NO. 4 36
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LEGENDS:

- 000 FLOOR TO FLOOR HEIGHT
- +000 FINISH FLOOR LEVEL
- LEVEL CHANGE FOR FINISH
- CHB WALL
- SHEAR WALL/BEARING WALL
- COLUMN
- S-1 STAIR TAG
- D DOOR TAG
- W1 WINDOW TAG

GENERAL NOTES:

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1 5 SECOND FLOOR PLAN
SCALE 1:100MTS

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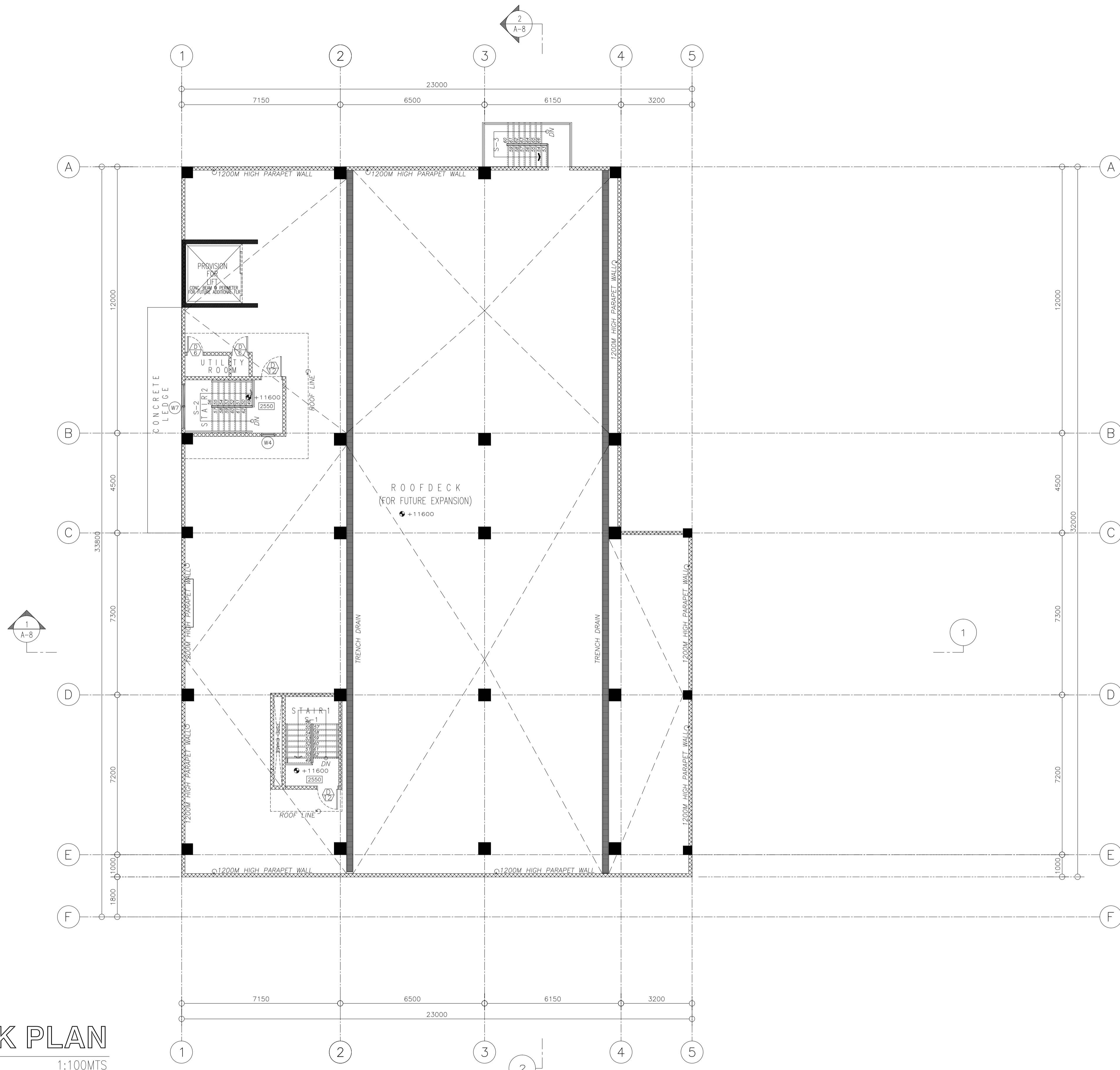
 in joint venture with PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA DATE: FEB-08-2021 PTR NO.: 1249386 PLACE: CABANATUAN CITY TIN NO.: 427991028	SUBMITTED: ELMER D. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR PLAN Scale 1:100m	SET NO. A	SHEET NO. 5 36
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LEGENDS:

- 000 FLOOR TO FLOOR HEIGHT
- +000 FINISH FLOOR LEVEL
- LEVEL CHANGE FOR FINISH
- CHB WALL
- SHEAR WALL/BEARING WALL
- COLUMN
- S-1 STAIR TAG
- D DOOR TAG
- W1 WINDOW TAG

GENERAL NOTES:

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1 | 6
AR
ROOF DECK PLAN
 SCALE 1:100MTS

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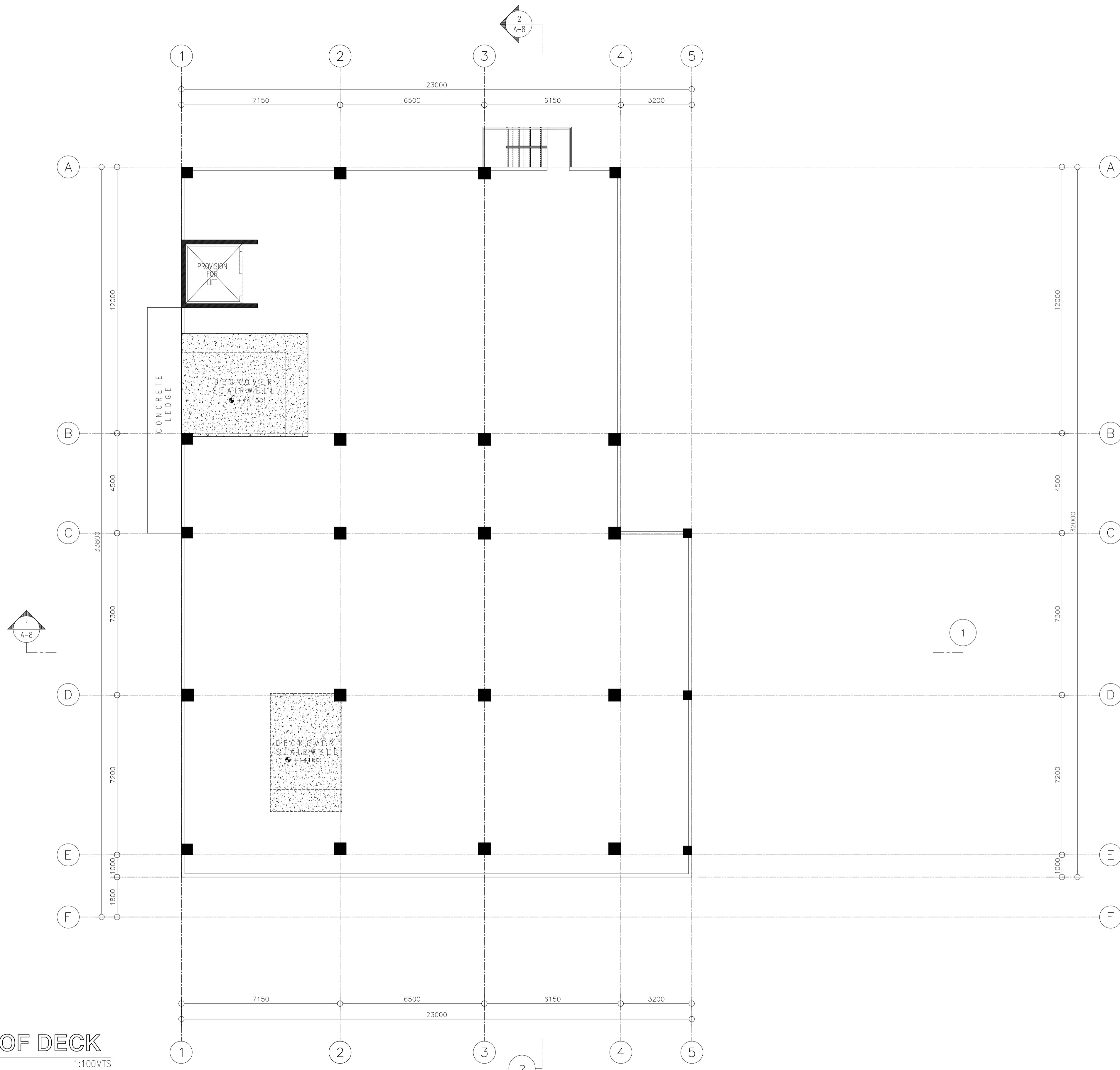
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LEGENDS:

- 000 FLOOR TO FLOOR HEIGHT
- +000 FINISH FLOOR LEVEL
- LEVEL CHANGE FOR FINISH
- CHB WALL
- SHEAR WALL/BEARING WALL
- COLUMN
- S-1 STAIR TAG
- DOOR TAG
- WINDOW TAG

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1 7 DECK OVER ROOF DECK
SCALE 1:100MTS

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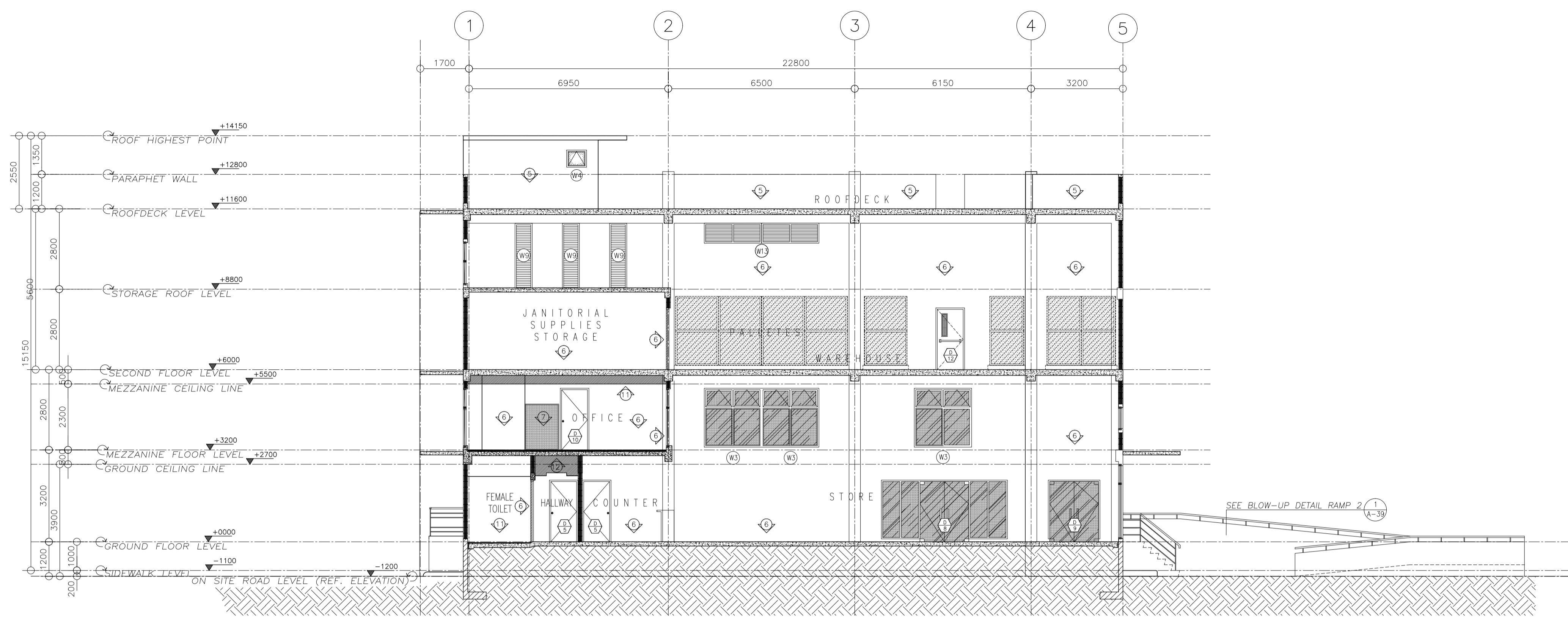
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LEGENDS

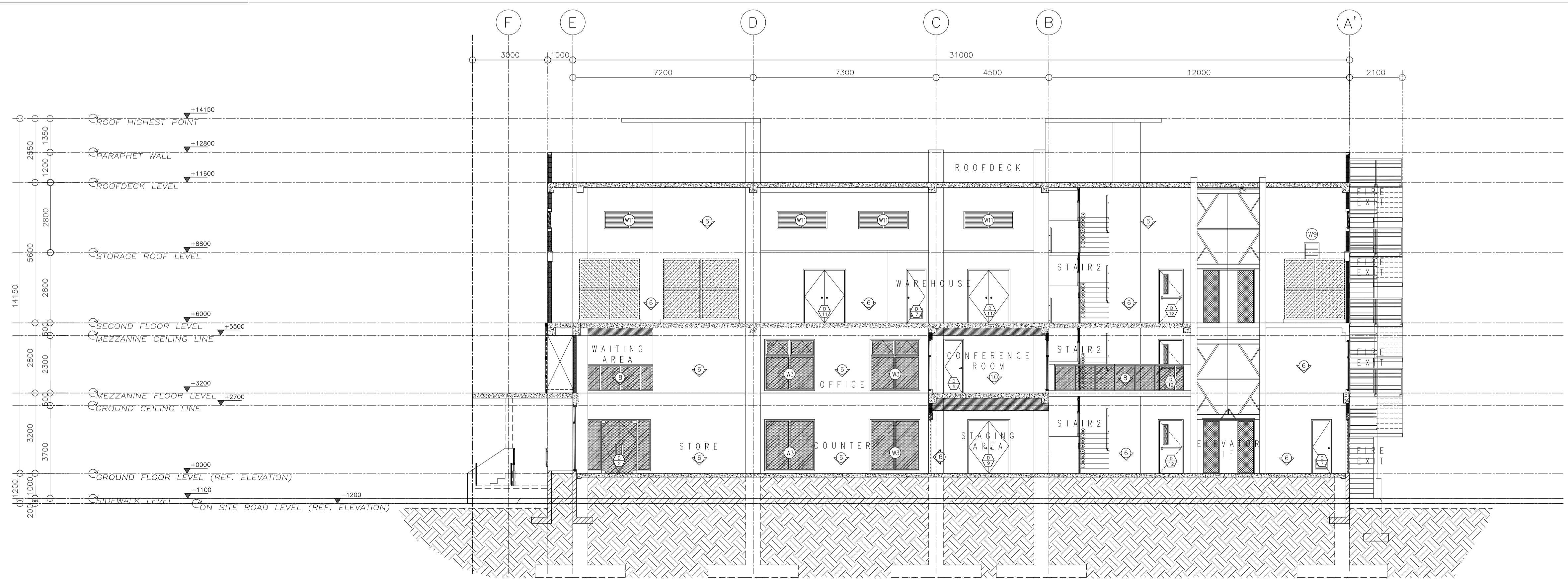
MARK	DESCRIPTION
①	PLAIN CEMENT STRAIGHT TO FINISH
②	PLAIN CEMENT STRAIGHT TO FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
③	PLAIN CEMENT PLASTERED FINISH
④	PLAIN CEMENT PLASTERED FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
⑤	EXTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR WITH DAMP PROOFING
⑥	INTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR
⑦	MODULAR PARTITION (VERIFY DESIGN & SPECS.)
⑧	VERIFY RAILING DETAIL
⑨	SYNTHETIC WOOD EXTERIOR
⑩	MODULAR PARTITION
⑪	VERIFY TOILET DETAIL
⑫	DROP CEILING IN 12MM THK. MR GYPSUM BOARD ON METAL FURRING, PAINTED-LATEX FLAT (VERIFY SPECS.)
D 10	DOOR TAG
W1	WINDOW TAG

GENERAL NOTES:

- SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.
- ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY



1 | 8 CROSS SECTION
AR SCALE 1:100MTS

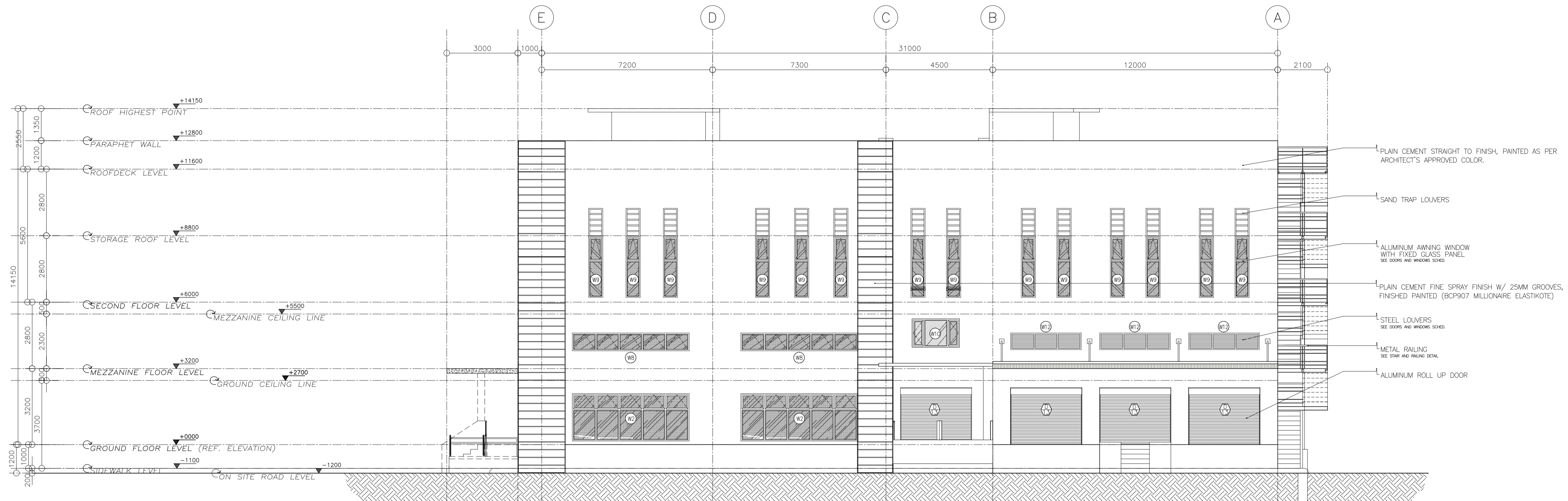


2 | 8 LONGITUDINAL SECTION
AR SCALE 1:100MTS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.
ELMER T. RAMONEDA
PROJECT MANAGER

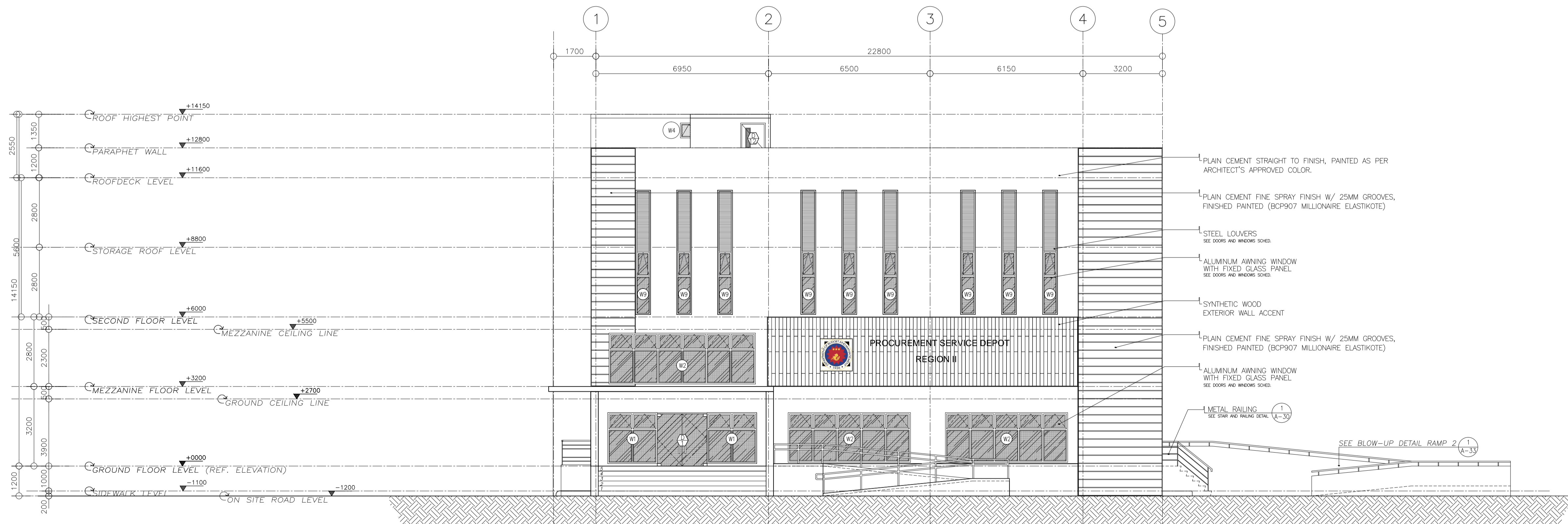
<p>in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates</p>	ARCHITECT: GOI	SUBMITTED: CIA	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: CROSS SECTION LONGITUDINAL SECTION Scale 1:100m	SET NO. 	SHEET NO.
	PRC NO.: 19537 PTR NO.: 1249385 DATE: FEB-06-2021 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	PROJECT MANAGER ELMER T. RAMONEDA		SHEET NO. 						

LEGENDS:
 ▼ 000 FINISH FLOOR LEVEL
 ⊕ FINISHES TAG
GENERAL NOTES:
 1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY



1 11 RIGHT SIDE ELEVATION
 AR SCALE 1:100MTS

LEGENDS:
 ▼ 000 FINISH FLOOR LEVEL
 ⊕ FINISHES TAG
GENERAL NOTES:
 1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY

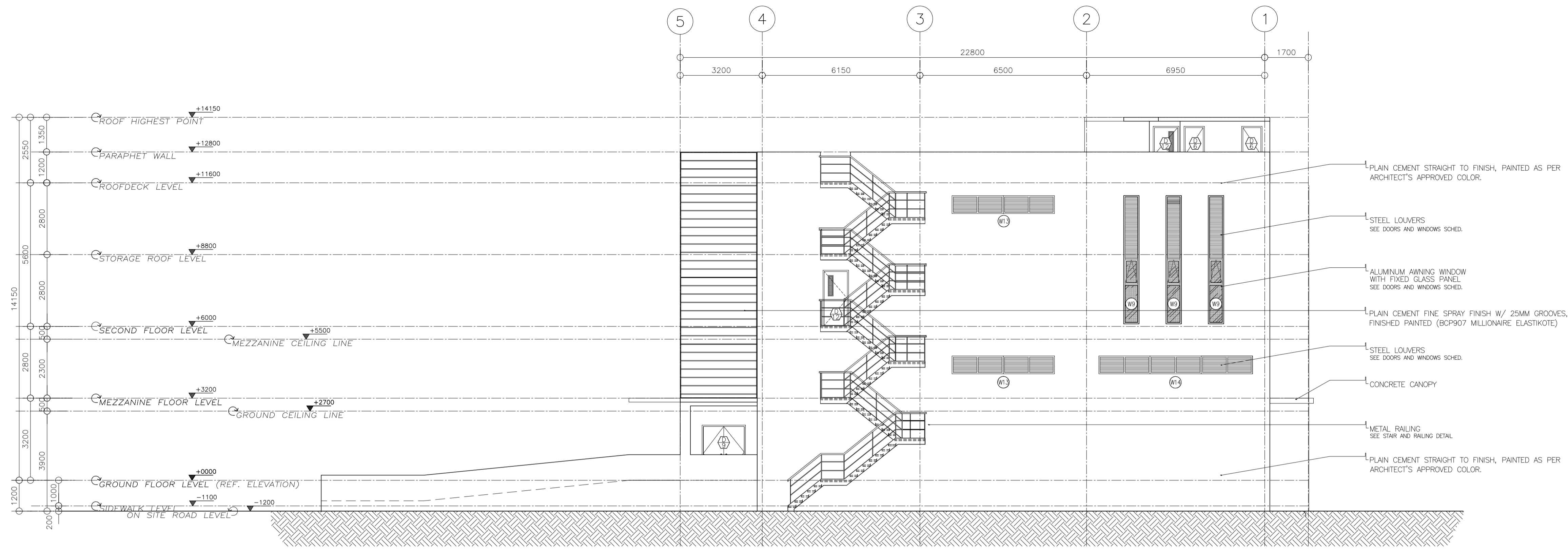


1 10 FRONT ELEVATION
 AR SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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 EDMUND M. RAMONEDA
 PROJECT MANAGER

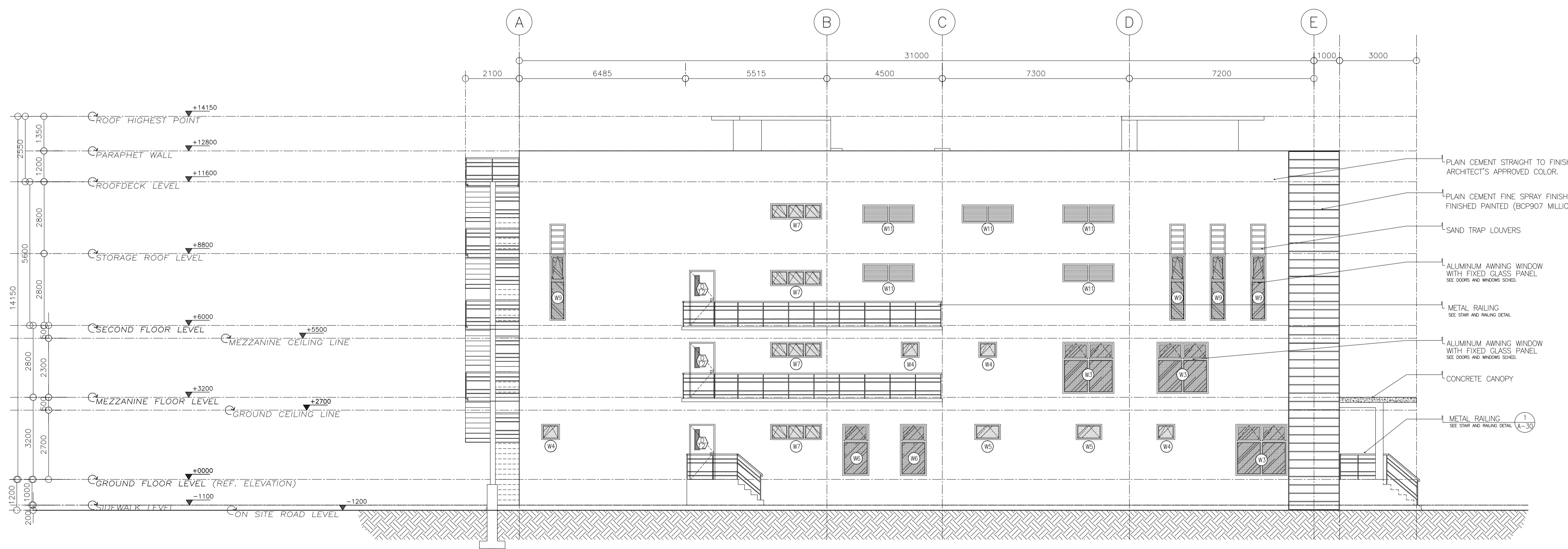
 in joint venture with 	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PIR NO. 124385 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO. 427991026	SUBMITTED: EDMUNDO M. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: FRONT ELEVATION & RIGHT SIDE ELEVATION Scale 1:100m	SET NO. 	SHEET NO.
	<p>1 11 RIGHT SIDE ELEVATION AR SCALE 1:100MTS</p> <p>1 10 FRONT ELEVATION AR SCALE 1:100MTS</p>									

LEGENDS:
 ▼ 000 FINISH FLOOR LEVEL
 ⊕ FINISHES TAG
GENERAL NOTES:
 1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY



1 12 REAR ELEVATION
 AR SCALE 1:100M

LEGENDS:
 ▼ 000 FINISH FLOOR LEVEL
 ⊕ FINISHES TAG
GENERAL NOTES:
 1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY



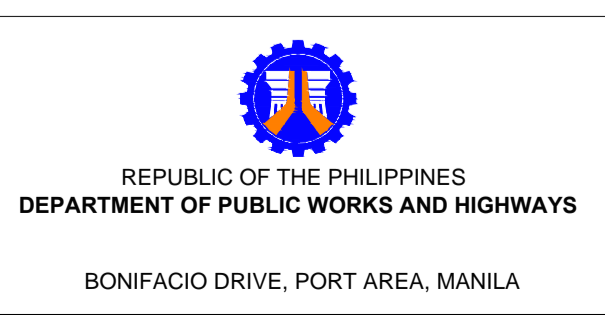
1 13 LEFT SIDE ELEVATION
 AR SCALE 1:100M

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
 PROJECT MANAGER



ARCHITECT: GODOLFO B. GARCIA
 SUBMITTED: ELMER T. RAMONEDA
 PROJECT MANAGER
 PRC NO. 19337 DATE: FEB-08-2021
 PTR NO. 124395 DATE: MAY-31-2019
 PLACE: CABANATUAN CITY TIN NO. 427991026



REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS
 CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL: EDWIN C. MATANGUIHAN
 OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED: EMIL K. SADAIN, CESO I
 UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS: REAR ELEVATION & LEFT SIDE ELEVATION
 Scale 1:100m

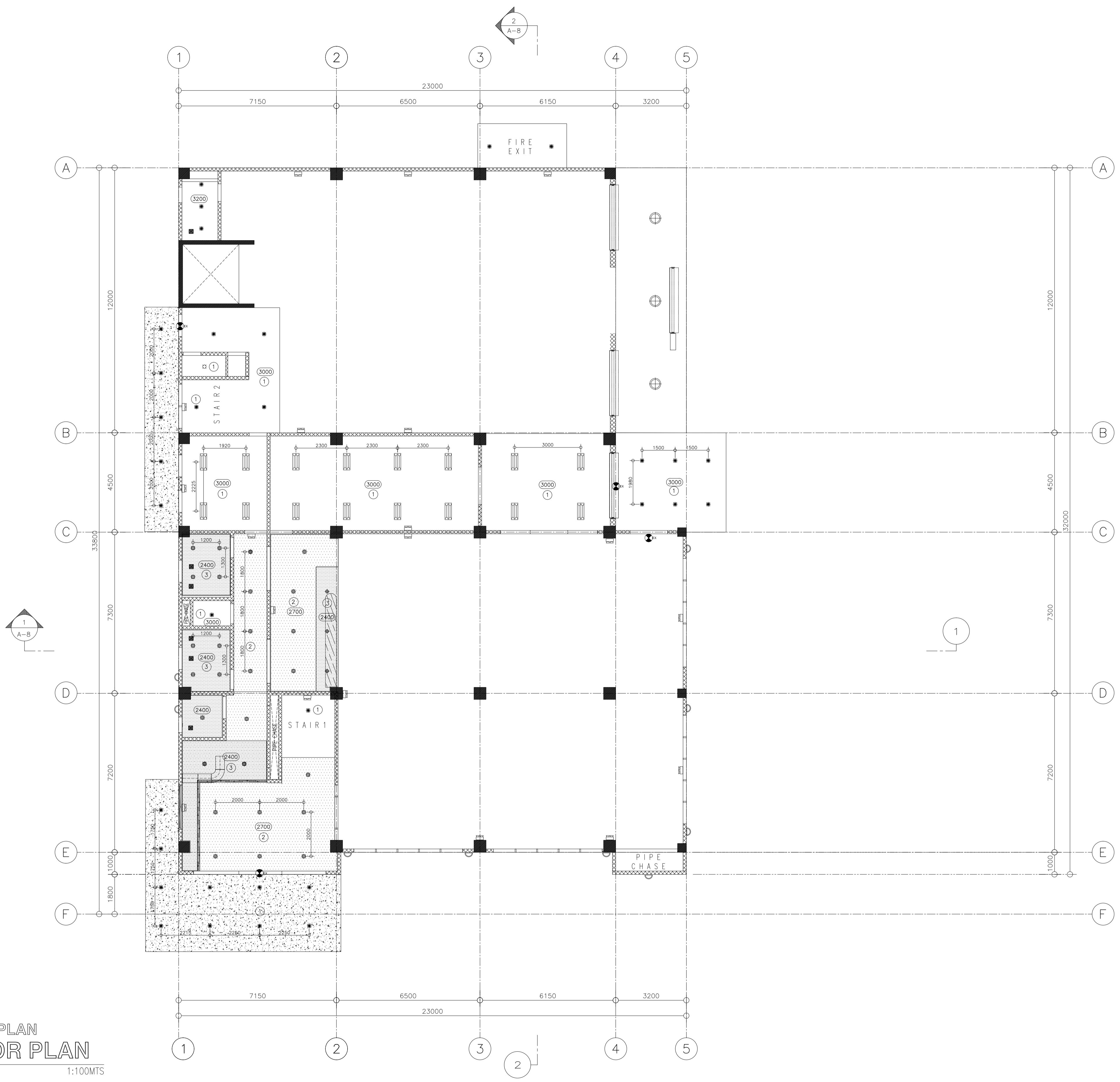
SET NO. A
 SHEET NO. 10 / 36

LEGENDS	
ITEMS	DESCRIPTION
■	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
☰	2x16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
☰	120MM COVE LIGHTING (VERIFY SPECS.)
⊙	400 MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
⊙	500MM DIA. ROUND HIGH BAY (150 WATTS, LED - DAYLIGHT)
☽	WALL SCONCE/WALL LAMP (VERIFY SPECS.)
■	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
⊙	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)
0000	CEILING HEIGHT
□	SLAB SOFFIT, PAINTED - LATEX, FLAT FINISH (VERIFY COLOR)
▨	DROP CEILING IN MR OYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
▨	DROP CEILING IN MR OYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)

LEGENDS	
ITEMS	DESCRIPTION
⊙	EXIT SIGN
⊙	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
⊙	EMERGENCY LIGHT
⊙	CEILING MOUNTED EXHAUST FAN
⊙	SMOKE DETECTOR

GENERAL NOTES:

1. ANY DISCREPANCY FOUND IN THE DRAWING, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.
2. PROVIDE 25mmx25mm SHADOW LINE @ CEILINGS
3. VERIFY STRUCTURAL DRAWINGS FOR STRUCTURAL OPENINGS.
4. VERIFY RCP OF UNITS AT BLOW UP DETAIL.



REFLECTED CEILING PLAN
GROUND FLOOR PLAN
 1 11
 AR SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ELMER RAMONEDA
 PROJECT MANAGER

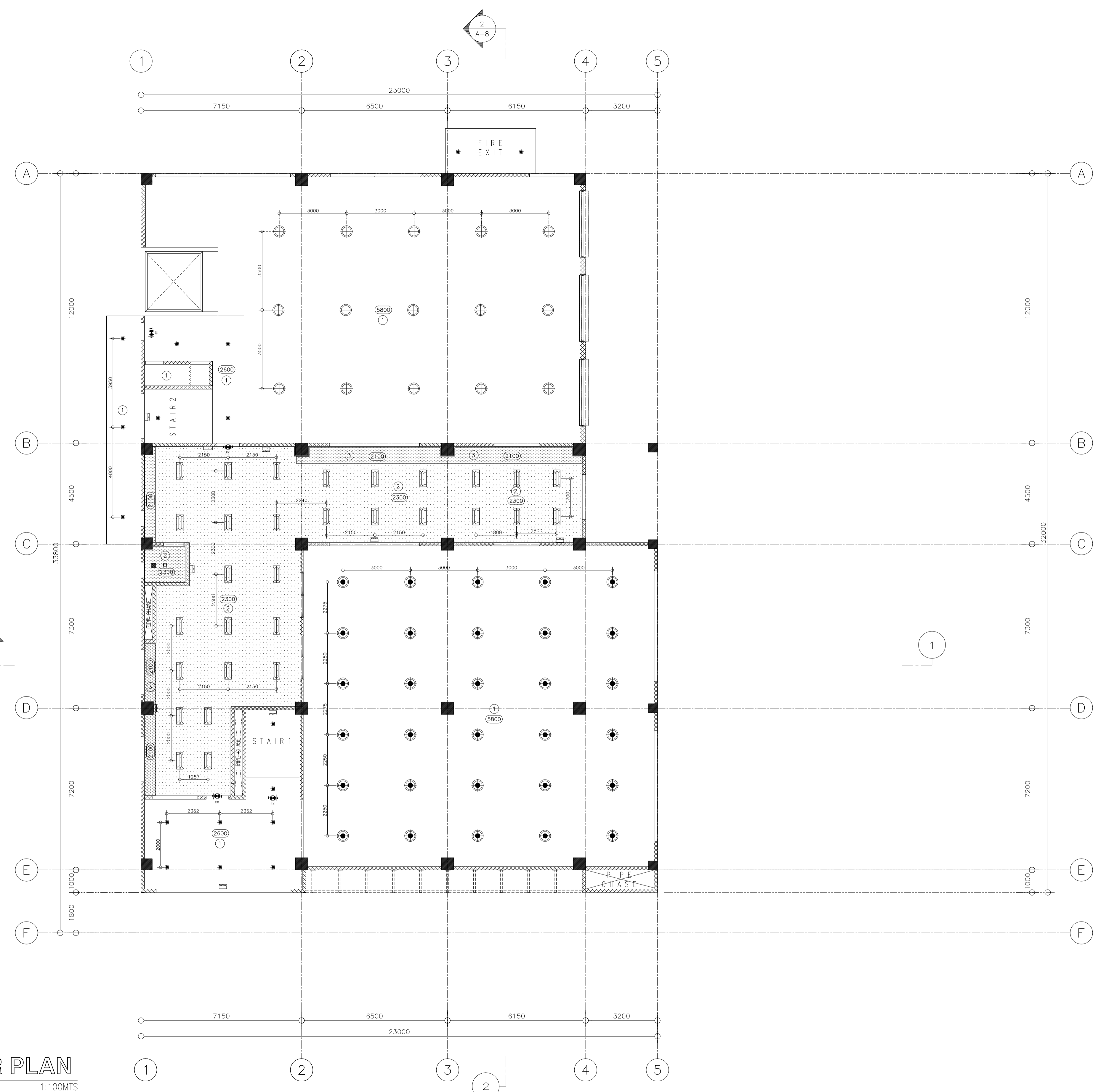
 in joint venture with 	ARCHITECT: GODOFREDO GARCIA PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 1249385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY ITN NO.: 427991026	SUBMITTED: ELMER RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR REFLECTED CEILING PLAN Scale 1:100m	SET NO. A	SHEET NO. 11 36
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ITEMS	DESCRIPTION
⊕	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
☰	2x16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
☉	120MM COVE LIGHTING (VERIFY SPECS.)
⊙	400 MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
⊙	500MM DIA. ROUND HIGH BAY (150 WATTS, LED - DAYLIGHT)
☽	WALL SCONCE/WALL LAMP (VERIFY SPECS.)
⊕	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
⊕	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)
0000	CEILING HEIGHT
○	SLAB SOFFIT, PAINTED - LATEX, FLAT FINISH (VERIFY COLOR)
▨	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
▨	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)

ITEMS	DESCRIPTION
EXIT	EXIT SIGN
EXIT	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
☰	EMERGENCY LIGHT
☰	CEILING MOUNTED EXHAUST FAN
SD	SMOKE DETECTOR

GENERAL NOTES:

1. ANY DISCREPANCY FOUND IN THE DRAWING, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.
2. PROVIDE 25mmx25mm SHADOW LINE @ CEILINGS.
3. VERIFY STRUCTURAL DRAWINGS FOR STRUCTURAL OPENINGS.
4. VERIFY RCP OF UNITS AT BLOW UP DETAIL.



REFLECTED CEILING PLAN
MEZZANINE FLOOR PLAN
SCALE 1:100MTS

NOTE:

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ELMER J. RAMONEDA
PROJECT MANAGER

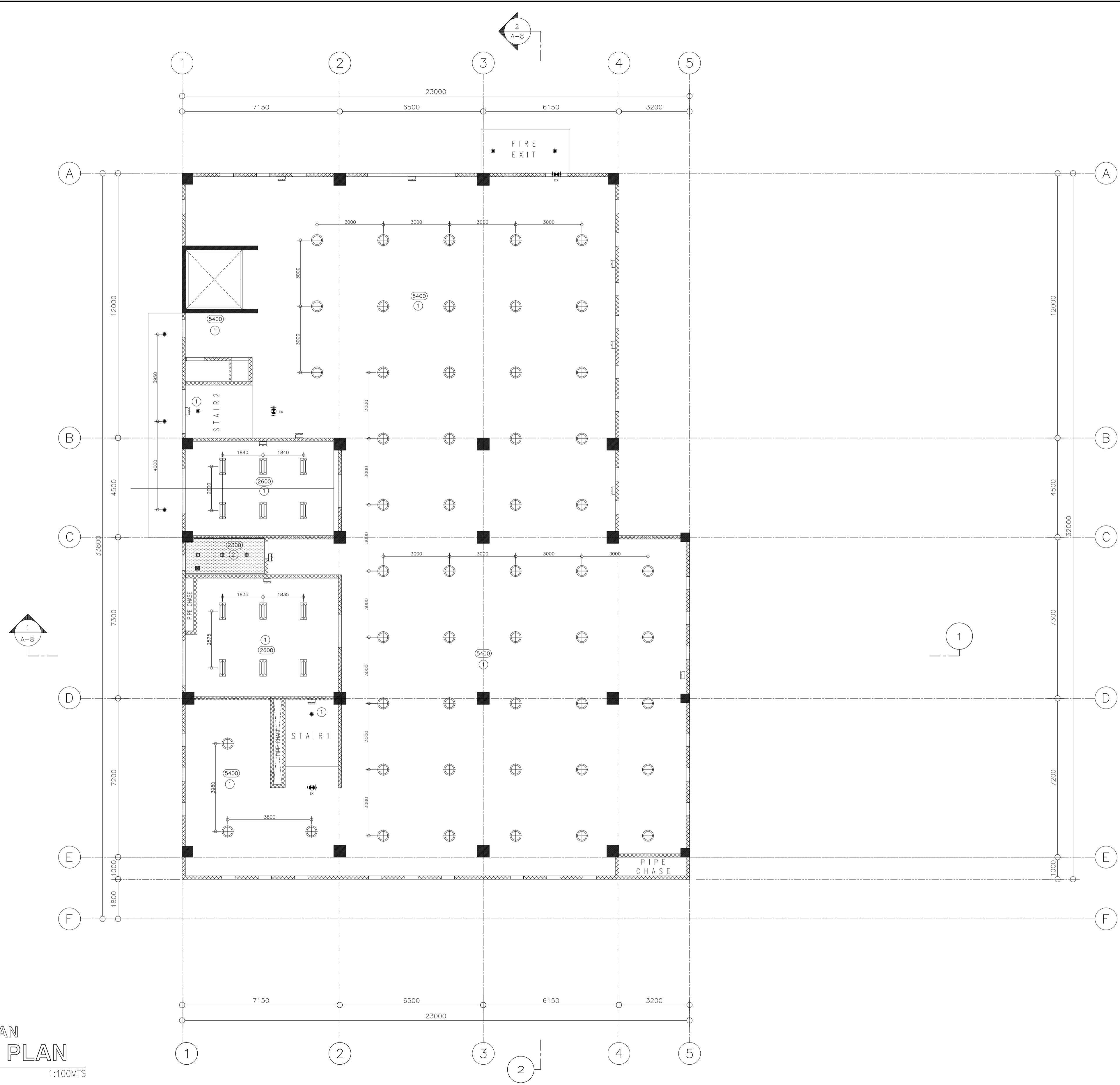
 in joint venture with 	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021</small> <small>PTR NO. 1249365 DATE: MAY-21-2019</small> <small>PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER J. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE FLOOR REFLECTED CEILING PLAN Scale 1:100m	SET NO. 	SHEET NO.
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LEGENDS	
ITEMS	DESCRIPTION
	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	2x16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
	120MM COVE LIGHTING (VERIFY SPECS.)
	400 MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
	500MM DIA. ROUND HIGH BAY (150 WATTS, LED - DAYLIGHT)
	WALL SCONCE/WALL LAMP (VERIFY SPECS.)
	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)
	CEILING HEIGHT
	SLAB SOFFIT, PAINTED - LATEX, FLAT FINISH (VERIFY COLOR)
	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)

LEGENDS	
ITEMS	DESCRIPTION
	EXIT SIGN
	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
	EMERGENCY LIGHT
	CEILING MOUNTED EXHAUST FAN
	SMOKE DETECTOR

GENERAL NOTES:

1. ANY DISCREPANCY FOUND IN THE DRAWING, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.
2. PROVIDE 25mmx25mm SHADOW LINE @ CEILINGS.
3. VERIFY STRUCTURAL DRAWINGS FOR STRUCTURAL OPENINGS.
4. VERIFY RCP OF UNITS AT BLOW UP DETAIL.



REFLECTED CEILING PLAN
SECOND FLOOR PLAN

1 13
 AR SCALE 1:100MTS

NOTE:

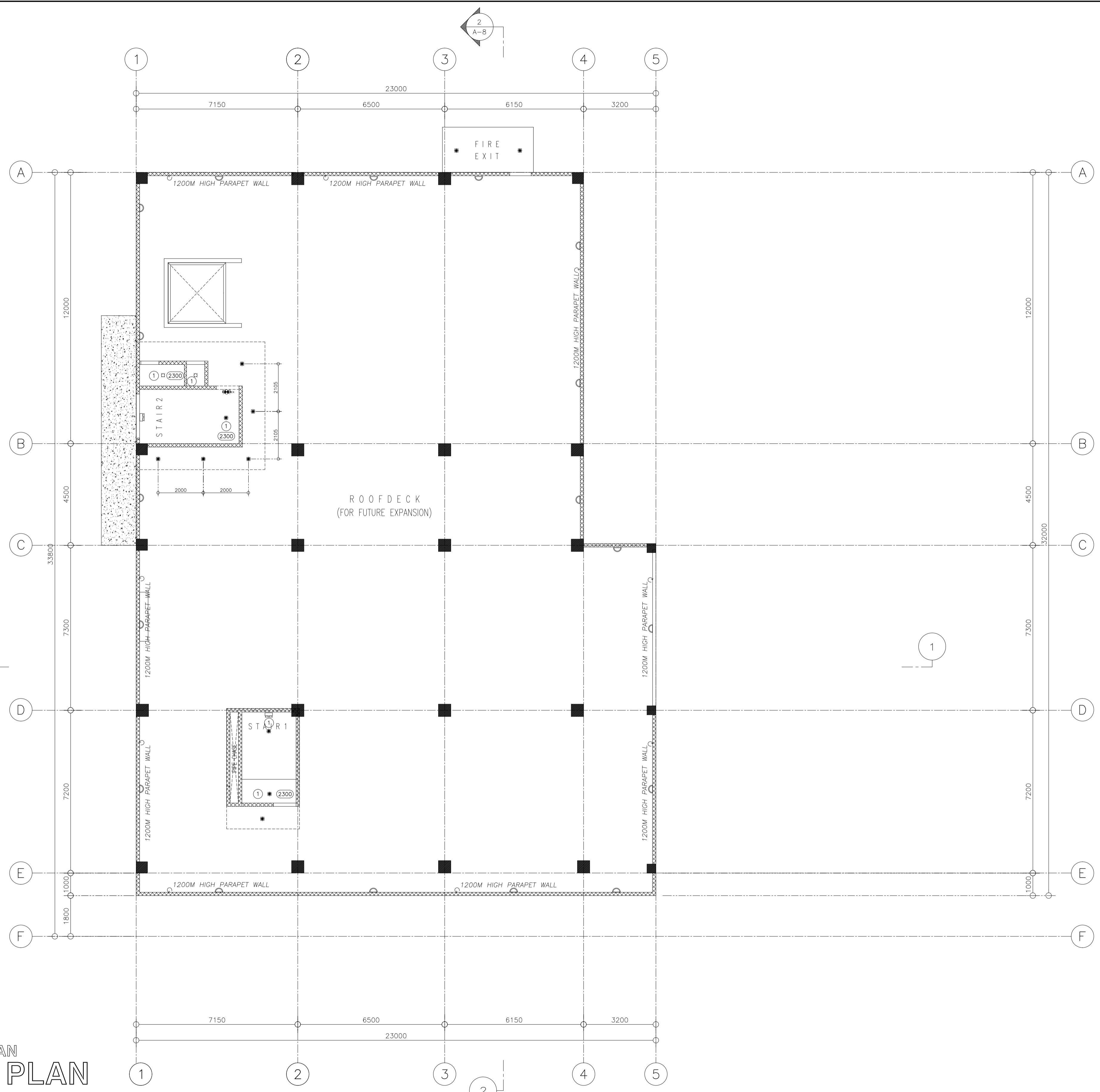
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF RA 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ELMER RAMONEDA
 PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991028	SUBMITTED: ELMER RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR REFLECTED CEILING PLAN Scale 1:100m	SET NO. 	SHEET NO.
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LEGENDS	
ITEMS	DESCRIPTION
	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	2X16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
	120MM ØVLT LIGHTING (VERIFY SPECS.)
	400 MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
	500MM DIA. ROUND HIGH BAY (150 WATTS, LED - DAYLIGHT)
	WALL SCONCE/WALL LAMP (VERIFY SPECS.)
	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
	150 DIAMETER W/V RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)
	CEILING HEIGHT
	SLAB SOFFIT, PAINTED - LATEX, FLAT FINISH (VERIFY COLOR)
	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
	DROP CEILING IN MR GYPSUM BOARD, PAINTED-LATEX, FLAT FINISH (VERIFY COLOR)
LEGENDS	
ITEMS	DESCRIPTION
	EXIT SIGN
	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
	EMERGENCY LIGHT
	CEILING MOUNTED EXHAUST FAN
	SMOKE DETECTOR
GENERAL NOTES:	
1. ANY DISCREPANCY FOUND IN THE DRAWING, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY.	
2. PROVIDE 25mmX25mm SHADOW LINE @ CEILINGS	
3. VERIFY STRUCTURAL DRAWINGS FOR STRUCTURAL OPENINGS.	
4. VERIFY RCP OF UNITS AT BLOW UP DETAIL.	



REFLECTED CEILING PLAN
ROOF DECK PLAN
 SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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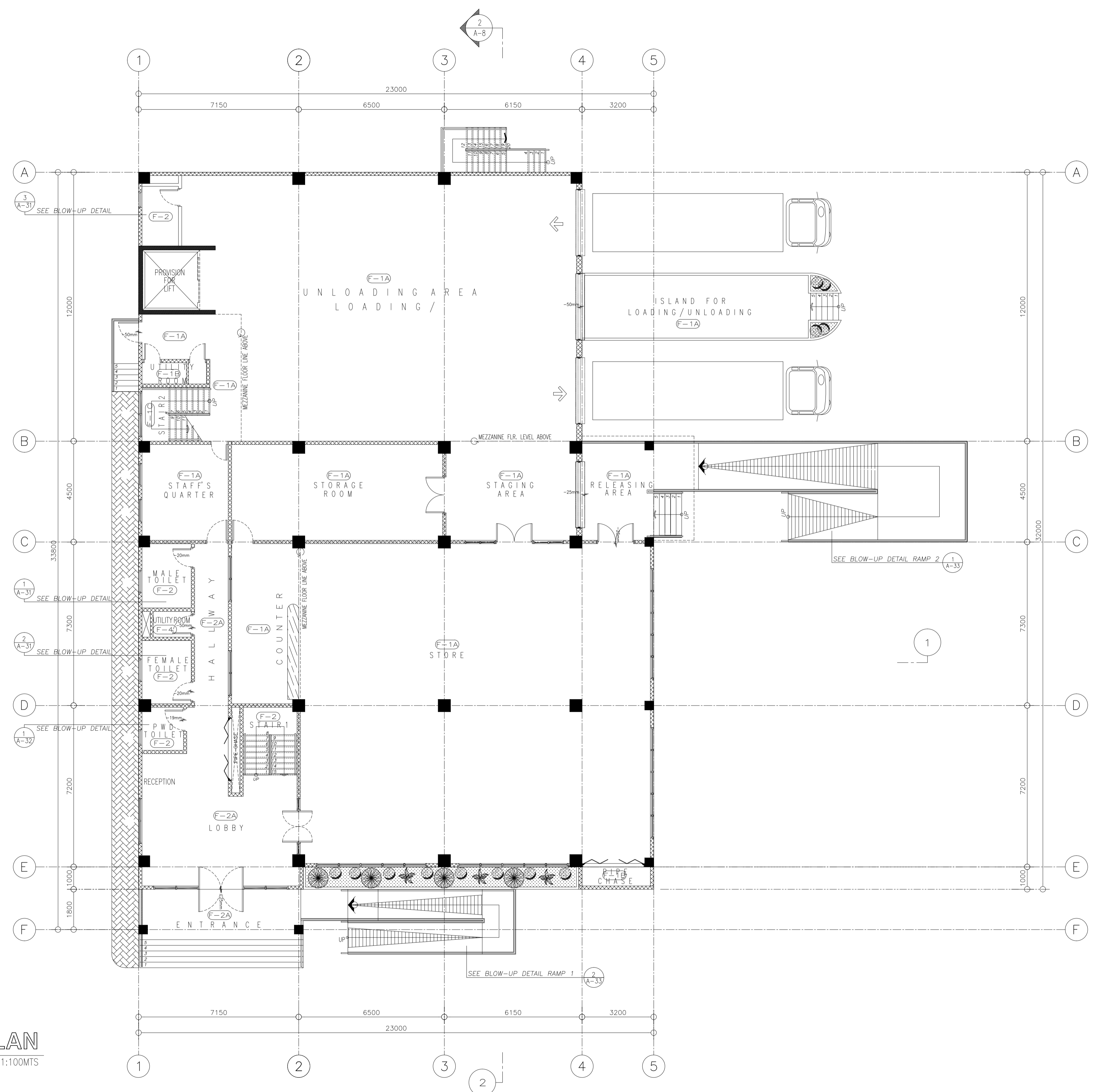
ELMER J. RAMONEDA
 PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249365 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TINYO. 427991028	SUBMITTED: ELMER J. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK REFLECTED CEILING PLAN Scale 1:100m	SET NO. 	SHEET NO.
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FLOOR FINISHES LEGEND	
MARK	DESCRIPTION
F-1A	PLAIN CEMENT STRAIGHT TO FINISH W/ DUSTPROOFING (VERIFY SPECIFICATIONS)
F-1B	PLAIN CEMENT STRAIGHT TO FINISH (VERIFY SPECIFICATIONS)
F-1C	PLAIN CEMENT STRAIGHT TO FINISH W/ ABRASIVE TAPE NOSING (VERIFY SPECIFICATIONS)
F-2	300mm x 600 mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-2A	600mm x 600mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-3	PLAIN CEMENT STRAIGHT TO FINISH WITH WATER PROOFING (VERIFY SPECIFICATIONS)
F-4	300mm x 300mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)

GENERAL NOTES:

1. SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.



FLOOR FINISHES
GROUND FLOOR PLAN
1/15 AR SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

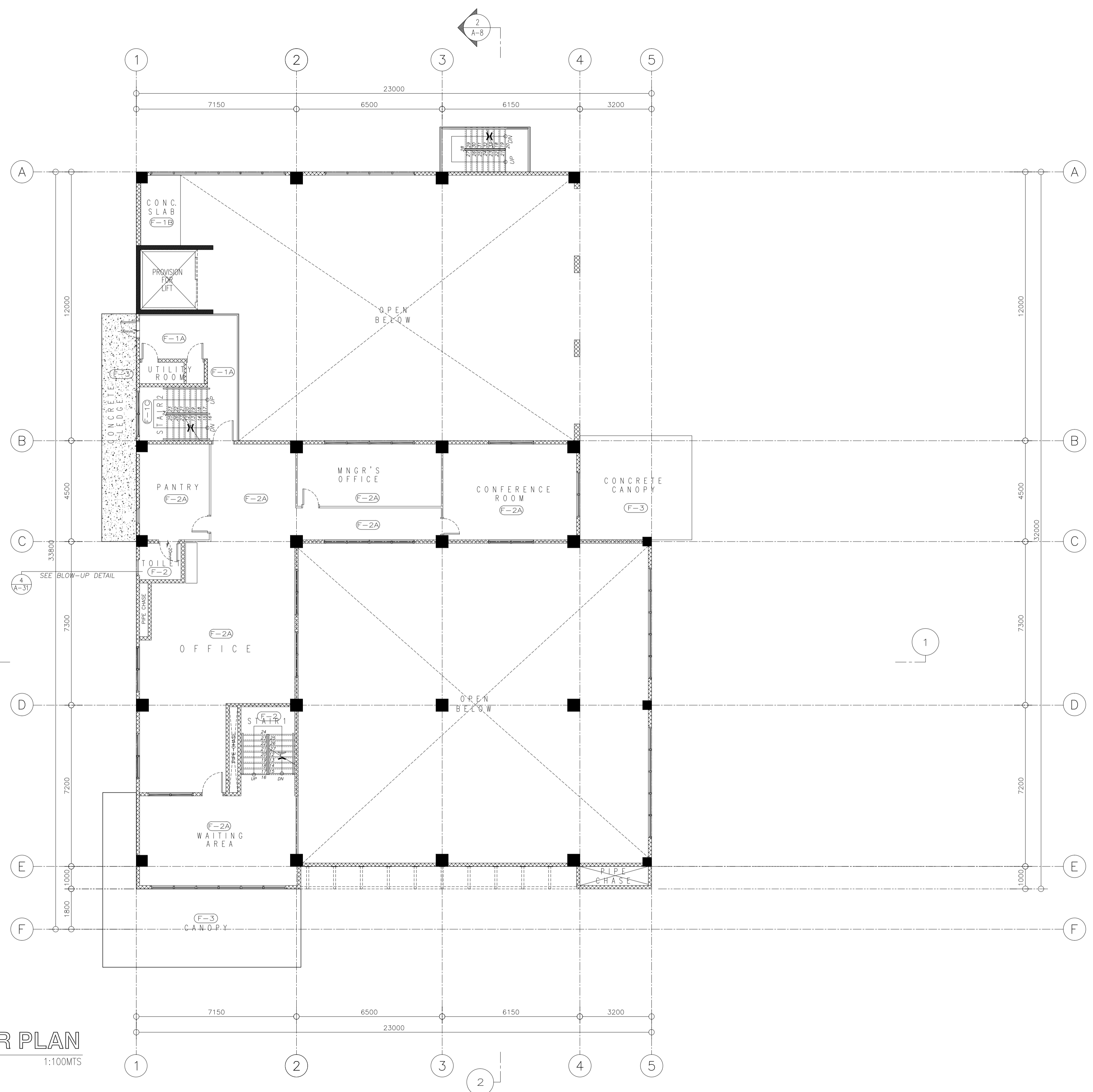
Elmer T. Ramoneda
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates</p>	ARCHITECT: GODOLFO H. GARCIA PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 124936 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR SCHEDULE OF FLOOR FINISHES Scale 1:100m	SET NO. 	SHEET NO.
	<p>15 AR SCALE 1:100MTS</p>									

FLOOR FINISHES LEGEND	
MARK	DESCRIPTION
F-1A	PLAIN CEMENT STRAIGHT TO FINISH W/ DUSTPROOFING (VERIFY SPECIFICATIONS)
F-1B	PLAIN CEMENT STRAIGHT TO FINISH (VERIFY SPECIFICATIONS)
F-1C	PLAIN CEMENT STRAIGHT TO FINISH W/ ABRASIVE TAPE NOSING (VERIFY SPECIFICATIONS)
F-2	300mm x 600 mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-2A	600mm x 600mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-3	PLAIN CEMENT STRAIGHT TO FINISH WITH WATER PROOFING (VERIFY SPECIFICATIONS)
F-4	300mm x 300mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)

GENERAL NOTES:

1. SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.



FLOOR FINISHES
MEZZANINE FLOOR PLAN
SCALE: 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

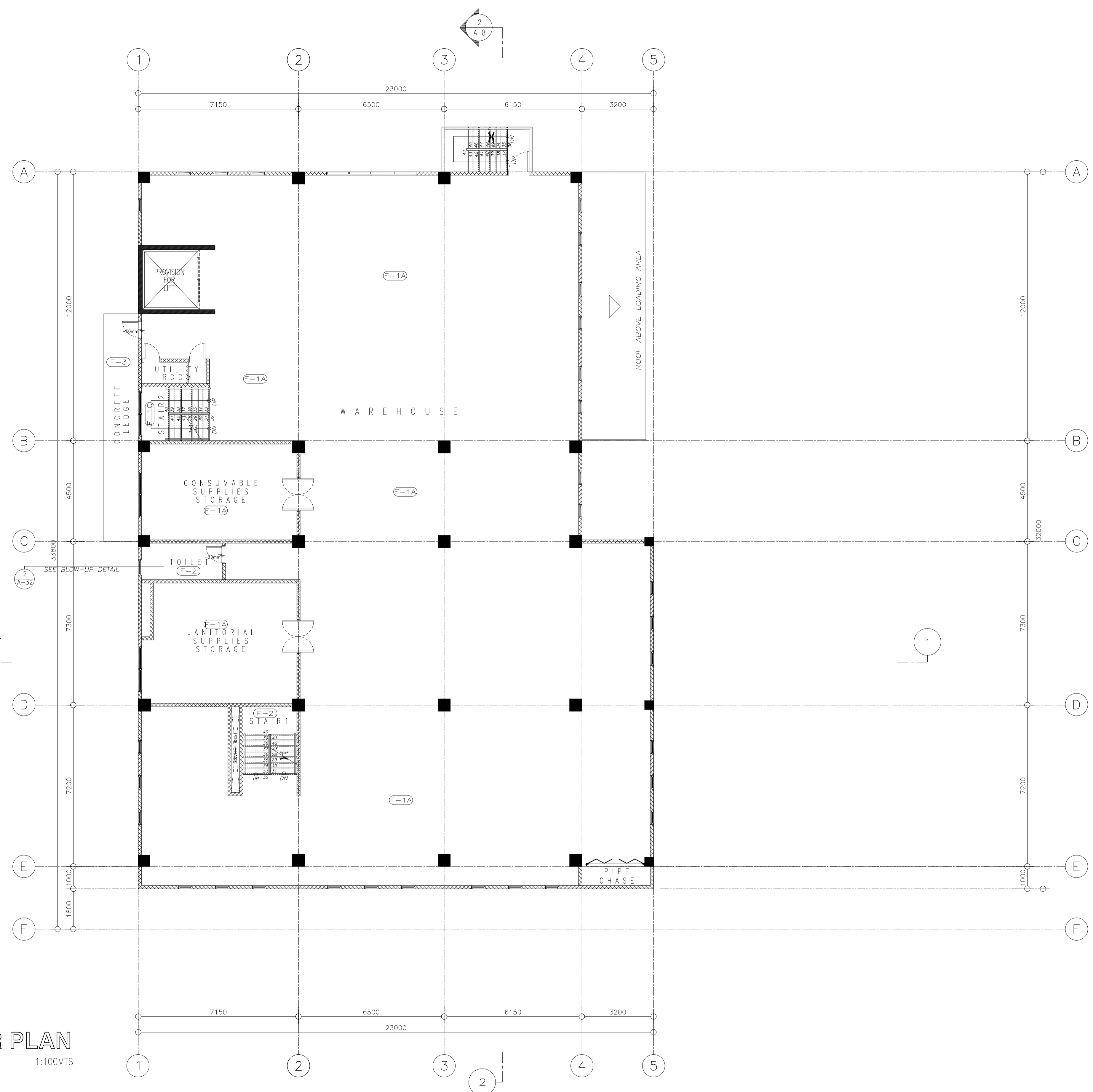
Elmer T. Ramoneda
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249365 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE FLOOR SCHEDULE OF FLOOR FINISHES Scale 1:100m	SET NO. 	SHEET NO.
	<p>1 16 AR SCALE 1:100MTS</p>									

FLOOR FINISHES LEGEND	
MARK	DESCRIPTION
F-1A	PLAIN CEMENT STRAIGHT TO FINISH W/ DUSTPROOFING (VERIFY SPECIFICATIONS)
F-1B	PLAIN CEMENT STRAIGHT TO FINISH (VERIFY SPECIFICATIONS)
F-1C	PLAIN CEMENT STRAIGHT TO FINISH W/ ABRASIVE TAPE NOSING (VERIFY SPECIFICATIONS)
F-2	300mm x 600 mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-2A	600mm x 600mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-3	PLAIN CEMENT STRAIGHT TO FINISH WITH WATER PROOFING (VERIFY SPECIFICATIONS)
F-4	300mm x 300mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)

GENERAL NOTES:

- SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.



FLOOR FINISHES SECOND FLOOR PLAN
 1/17 AR SCALE 1:100MTS

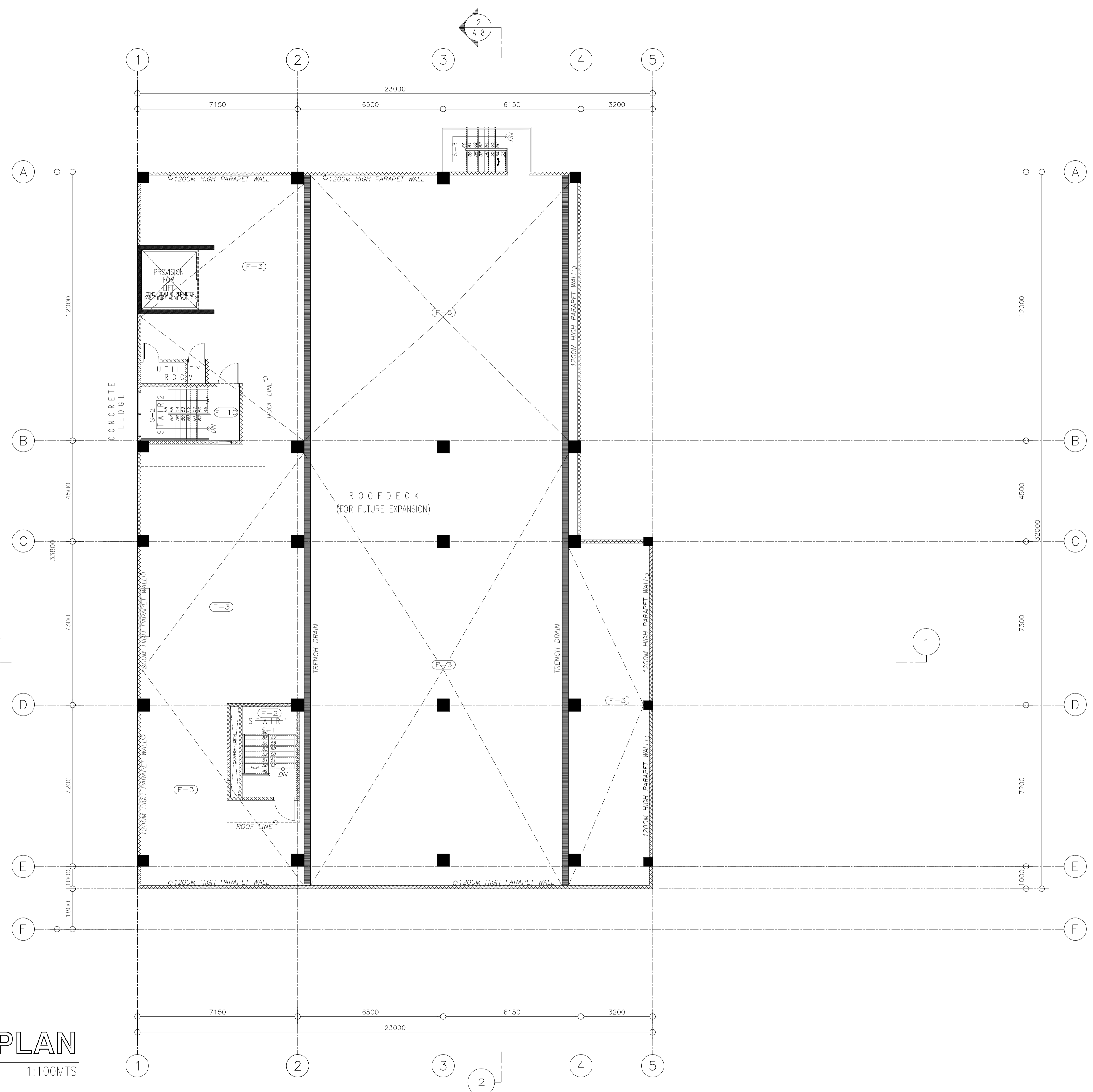
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 ELMER T. RAMONEDA
 PROJECT MANAGER

URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249365 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR SCHEDULE OF FLOOR FINISHES Scale 1:100m	SET NO. 	SHEET NO.
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FLOOR FINISHES LEGEND	
MARK	DESCRIPTION
F-1A	PLAIN CEMENT STRAIGHT TO FINISH W/ DUSTPROOFING (VERIFY SPECIFICATIONS)
F-1B	PLAIN CEMENT STRAIGHT TO FINISH (VERIFY SPECIFICATIONS)
F-1C	PLAIN CEMENT STRAIGHT TO FINISH W/ ABRASIVE TAPE NOSING (VERIFY SPECIFICATIONS)
F-2	300mm x 600 mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-2A	600mm x 600mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-3	PLAIN CEMENT STRAIGHT TO FINISH WITH WATER PROOFING (VERIFY SPECIFICATIONS)
F-4	300mm x 300mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)

GENERAL NOTES:

1. SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.



FLOOR FINISHES
ROOF DECK PLAN
SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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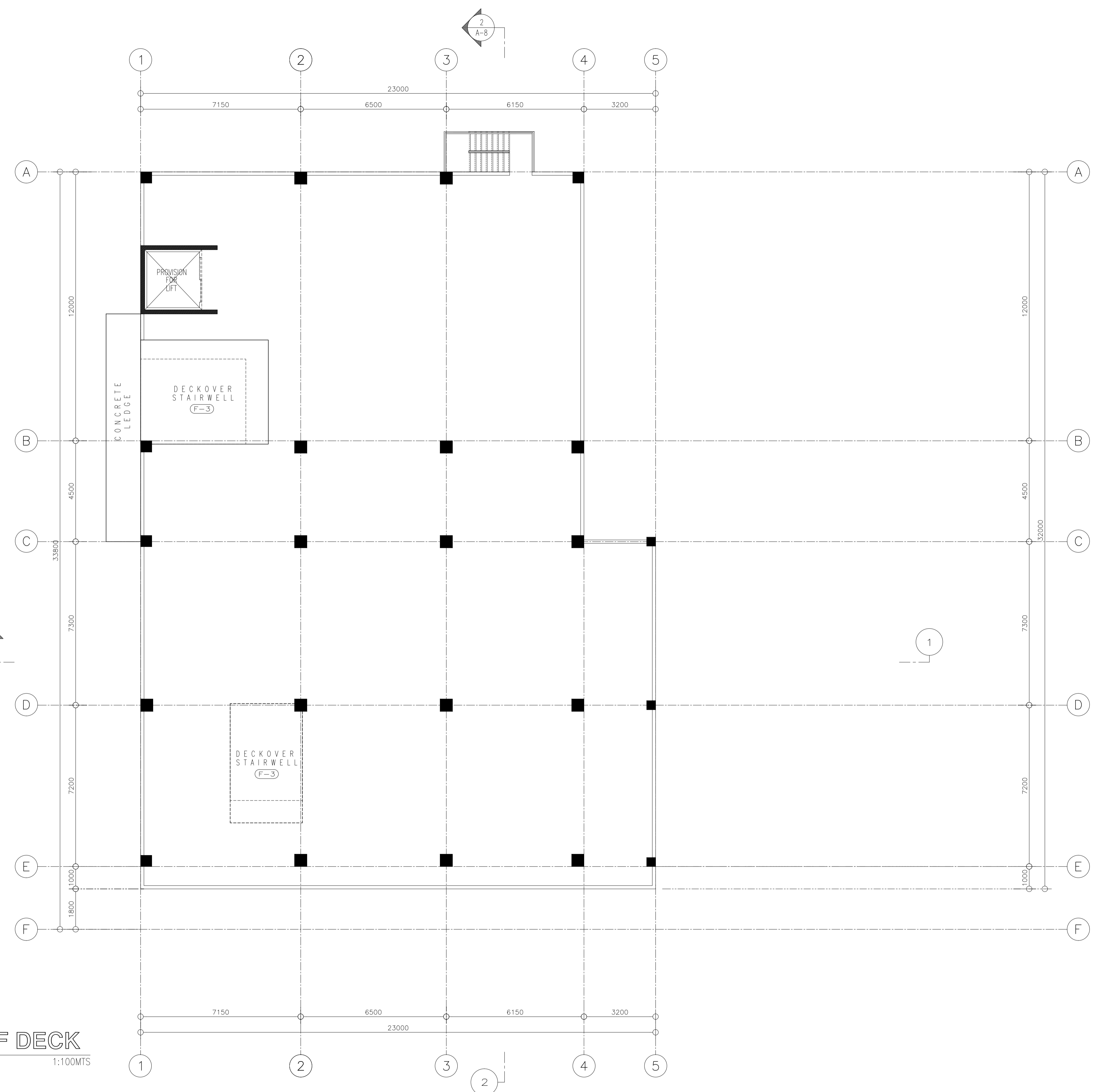
Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER

URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO H. GARCIA <small>PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 124936 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK SCHEDULE OF FLOOR FINISHES Scale 1:100m	SET NO. 	SHEET NO.
	<p>Scale 1:100MTS</p>									

FLOOR FINISHES LEGEND	
MARK	DESCRIPTION
F-1A	PLAIN CEMENT STRAIGHT TO FINISH W/ DUSTPROOFING (VERIFY SPECIFICATIONS)
F-1B	PLAIN CEMENT STRAIGHT TO FINISH (VERIFY SPECIFICATIONS)
F-1C	PLAIN CEMENT STRAIGHT TO FINISH W/ ABRASIVE TAPE NOSING (VERIFY SPECIFICATIONS)
F-2	300mm x 600 mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-2A	600mm x 600mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)
F-3	PLAIN CEMENT STRAIGHT TO FINISH WITH WATER PROOFING (VERIFY SPECIFICATIONS)
F-4	300mm x 300mm VITRIFIED UNGLAZED CERAMIC TILES (VERIFY SPECIFICATIONS)

GENERAL NOTES:

1. SEE ARCHITECTURAL SPECIFICATIONS FOR THE COMPLETE DESCRIPTION/SPECIFICATIONS OF FINISHES.



FLOOR FINISHES
DECK OVER ROOF DECK
19 AR SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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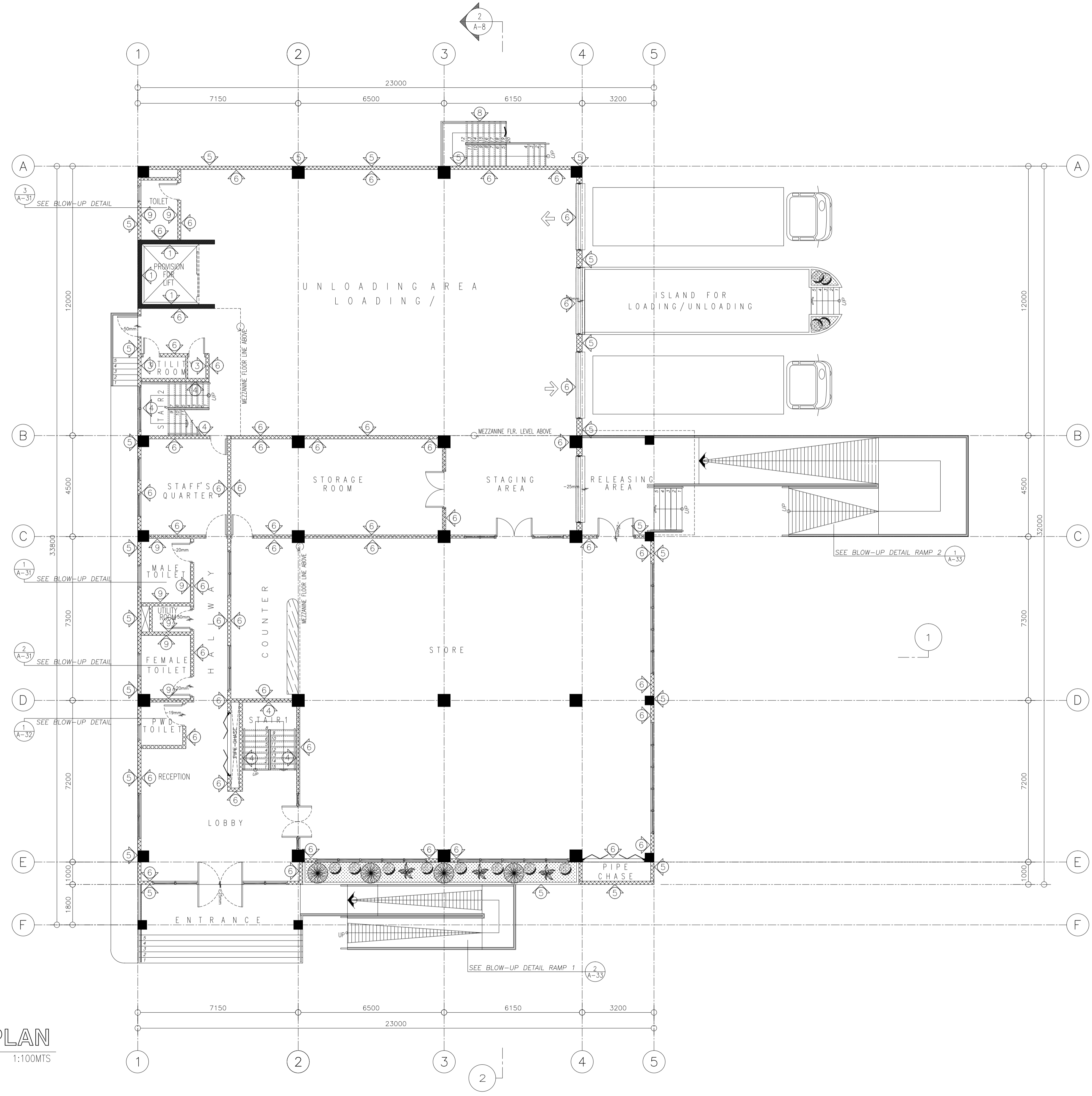
Elmer T. Ramoneda
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249385 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF OVER DECK SCHEDULE OF FLOOR FINISHES Scale 1:100m	SET NO. 	SHEET NO.
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WALL FINISHES LEGEND	
MARK	DESCRIPTION
①	PLAIN CEMENT STRAIGHT TO FINISH
②	PLAIN CEMENT STRAIGHT TO FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
③	PLAIN CEMENT PLASTERED FINISH
④	PLAIN CEMENT PLASTERED FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
⑤	EXTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR WITH DAMP PROOFING
⑥	INTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR
⑦	VERIFY TOILET DETAIL
⑧	VERIFY RAILING DETAIL
⑨	SYNTHETIC WOOD EXTERIOR
⑩	MODULAR PARTITION

GENERAL NOTES:

1. SEE MATERIAL AND TECHNICAL SPECIFICATION FOR THE COMPLETE SPECIFICATIONS OF FINISHES.



WALL FINISHES
GROUND FLOOR PLAN
 1/20 AR SCALE 1:100MTS

NOTE:

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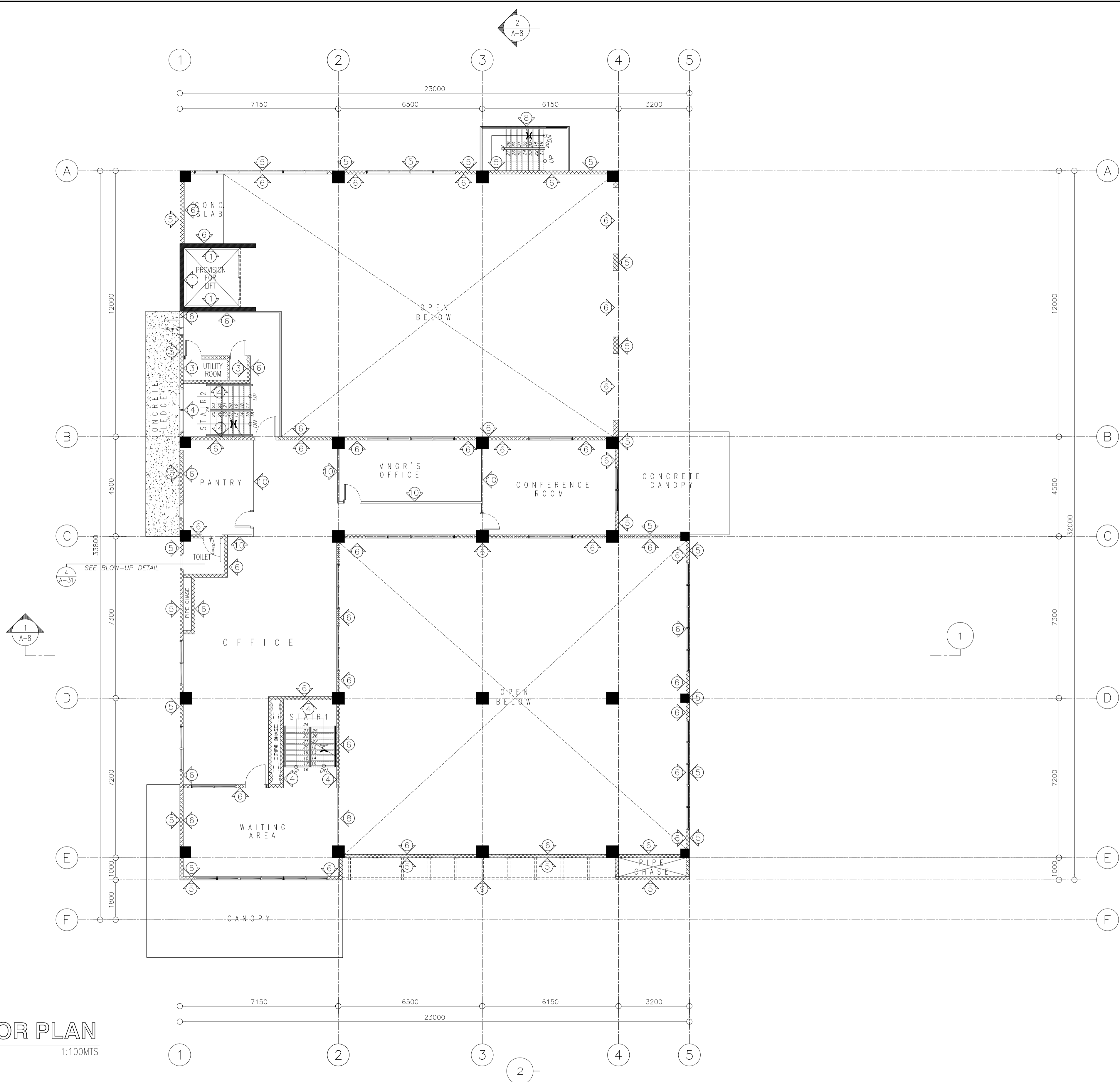
ELMER T. RAMONEDA
 PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249395 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991026	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR SCHEDULE OF WALL FINISHES Scale 1:100m	SET NO. 	SHEET NO.
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WALL FINISHES LEGEND	
MARK	DESCRIPTION
①	PLAIN CEMENT STRAIGHT TO FINISH
②	PLAIN CEMENT STRAIGHT TO FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
③	PLAIN CEMENT PLASTERED FINISH
④	PLAIN CEMENT PLASTERED FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
⑤	EXTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR WITH DAMP PROOFING
⑥	INTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR
⑦	VERIFY TOILET DETAIL
⑧	VERIFY RAILING DETAIL
⑨	SYNTHETIC WOOD EXTERIOR
⑩	MODULAR PARTITION

GENERAL NOTES:

- SEE MATERIAL AND TECHNICAL SPECIFICATION FOR THE COMPLETE SPECIFICATIONS OF FINISHES.



1 21
AR SCALE 1:100MTS
**WALL FINISHES
MEZZANINE FLOOR PLAN**

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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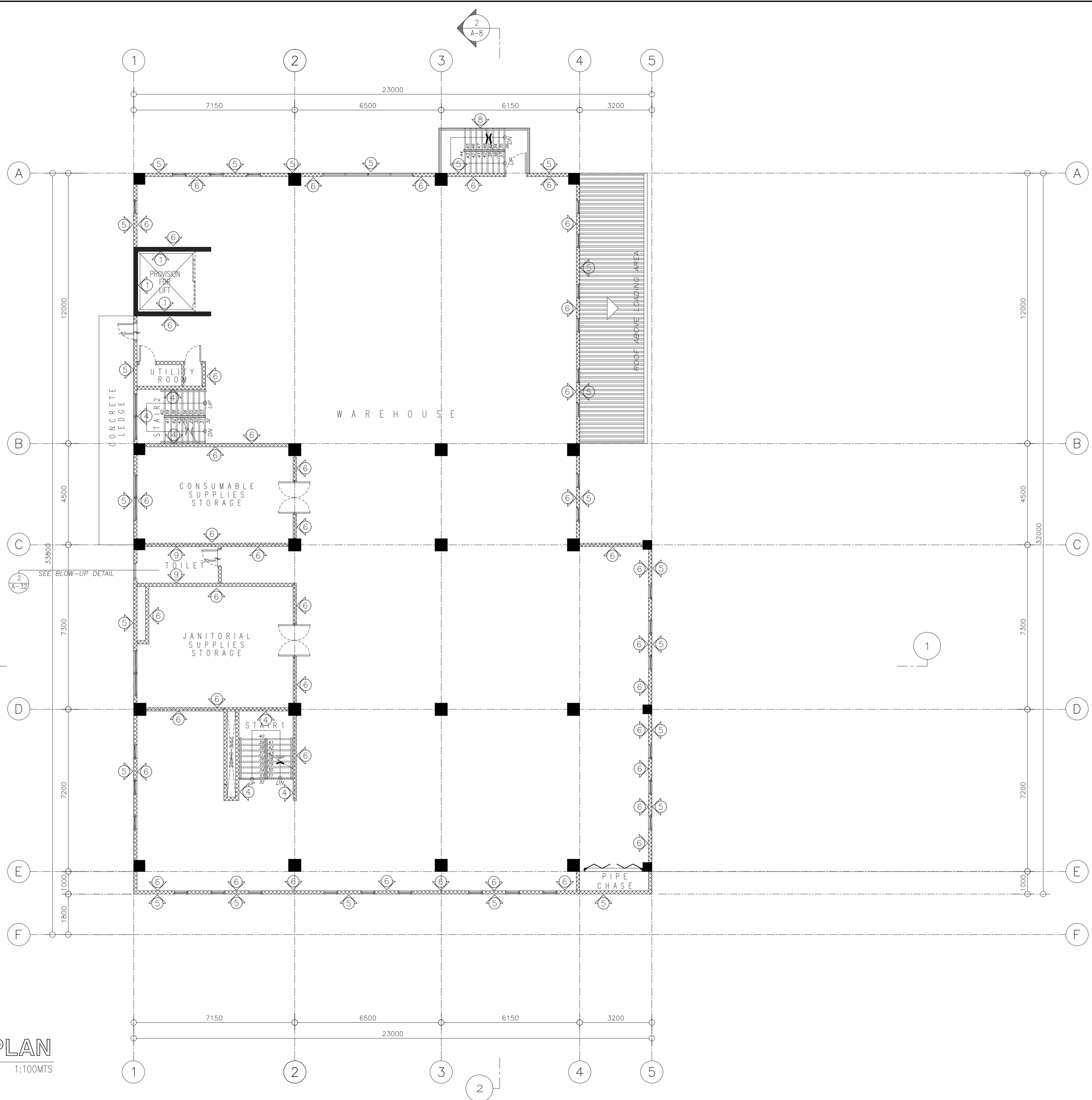
ELMER J. RAMONEDA
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER J. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE SCHEDULE OF WALL FINISHES Scale 1:100m	SET NO. 	SHEET NO.
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WALL FINISHES LEGEND	
MARK	DESCRIPTION
①	PLAIN CEMENT STRAIGHT TO FINISH
②	PLAIN CEMENT STRAIGHT TO FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
③	PLAIN CEMENT PLASTERED FINISH
④	PLAIN CEMENT PLASTERED FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
⑤	EXTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR WITH DAMP PROOFING
⑥	INTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR
⑦	VERIFY TOILET DETAIL
⑧	VERIFY RAILING DETAIL
⑨	SYNTHETIC WOOD EXTERIOR
⑩	MODULAR PARTITION

GENERAL NOTES:

1. SEE MATERIAL AND TECHNICAL SPECIFICATION FOR THE COMPLETE SPECIFICATIONS OF FINISHES.



WALL FINISHES
SECOND FLOOR PLAN
 SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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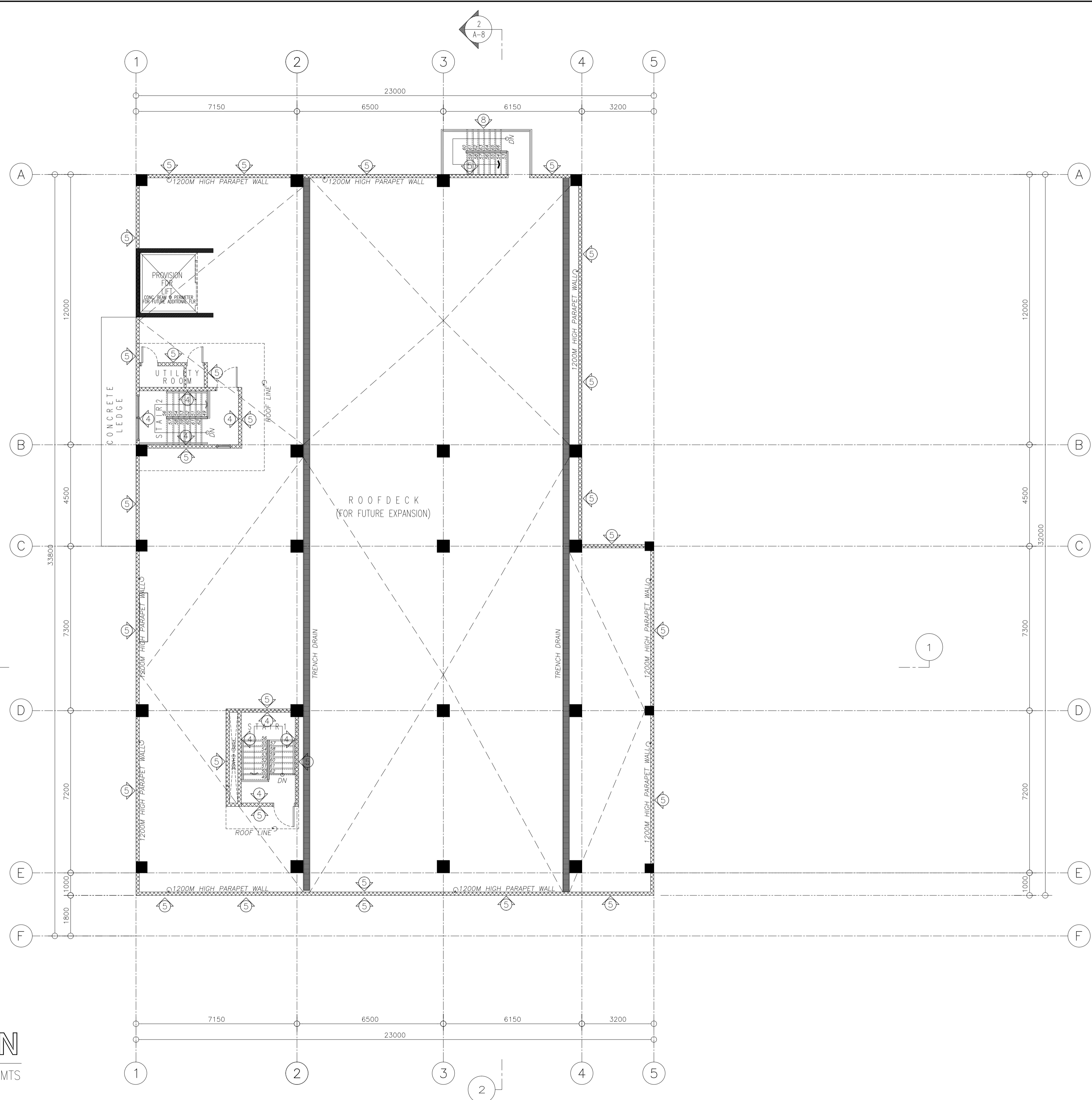
ELMER T. RAMONEDA
 PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991026	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR SCHEDULE OF WALL FINISHES Scale 1:100m	SET NO. A	SHEET NO. 22 36
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WALL FINISHES LEGEND	
MARK	DESCRIPTION
①	PLAIN CEMENT STRAIGHT TO FINISH
②	PLAIN CEMENT STRAIGHT TO FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
③	PLAIN CEMENT PLASTERED FINISH
④	PLAIN CEMENT PLASTERED FINISH, PAINTED AS PER ARCHITECT'S APPROVED COLOR.
⑤	EXTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR WITH DAMP PROOFING
⑥	INTERIOR WALL, PAINTED AS PER ARCHITECT'S APPROVED COLOR
⑦	VERIFY TOILET DETAIL
⑧	VERIFY RAILING DETAIL
⑨	SYNTHETIC WOOD EXTERIOR
⑩	MODULAR PARTITION

GENERAL NOTES:

- SEE MATERIAL AND TECHNICAL SPECIFICATION FOR THE COMPLETE SPECIFICATIONS OF FINISHES.



1 23
AR
WALL FINISHES
ROOF DECK PLAN
SCALE 1:100MTS

NOTE:

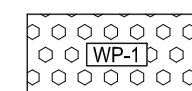
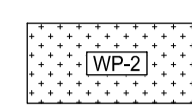
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

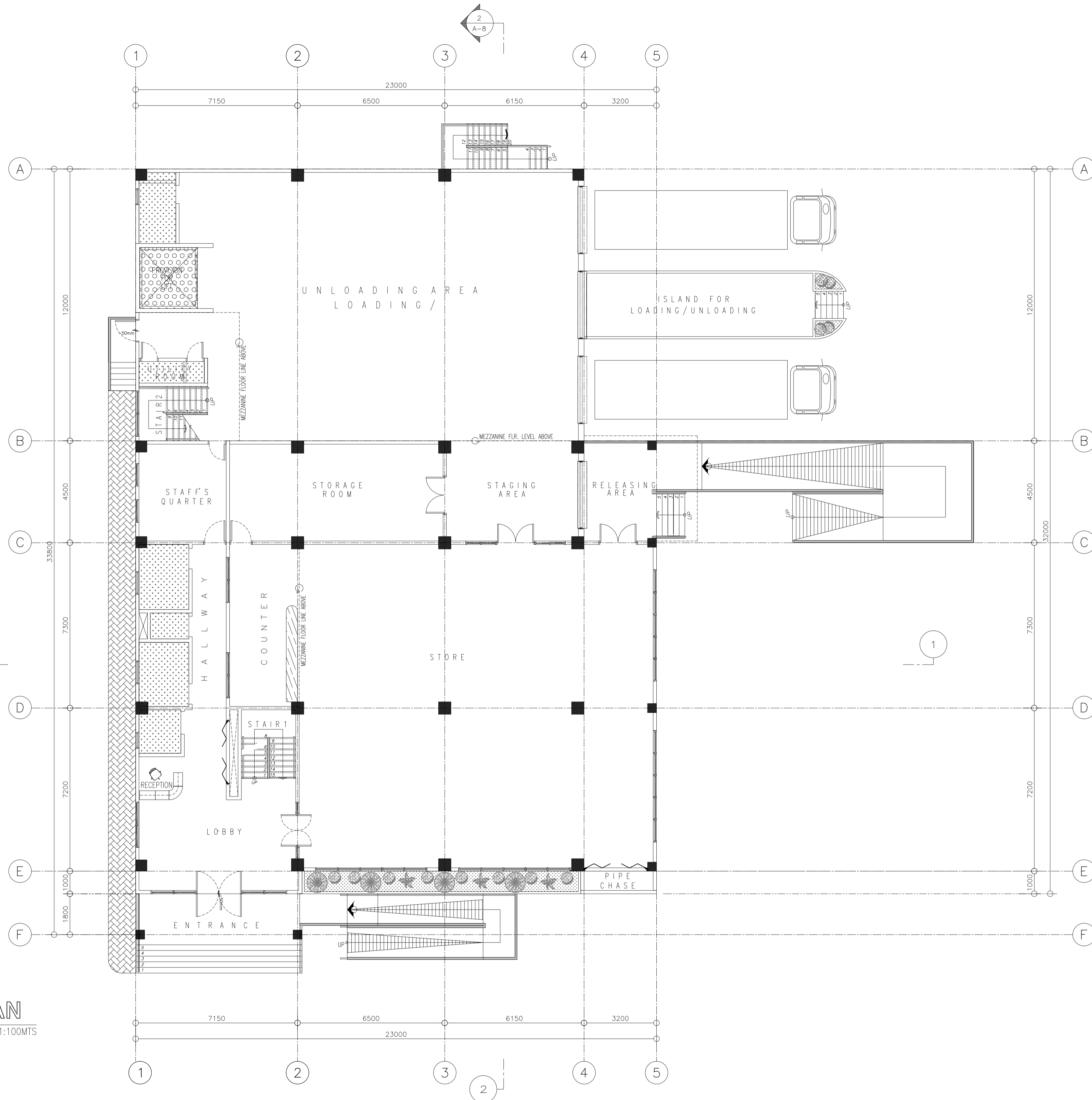
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ELMER T. RAMONEDA
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO GARCIA <small>PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 1249365 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK SCHEDULE OF WALL FINISHES Scale 1:100m	SET NO. 	SHEET NO.
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LEGEND:

-  TORCHED APPLIED MEMBRANE WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)
-  FLEXIBLE CEMENTITIOUS WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)





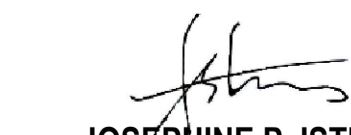


WATERPROOFING PLAN
GROUND FLOOR PLAN

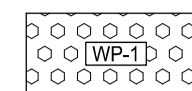
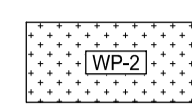
1/24 AR SCALE 1:100MTS

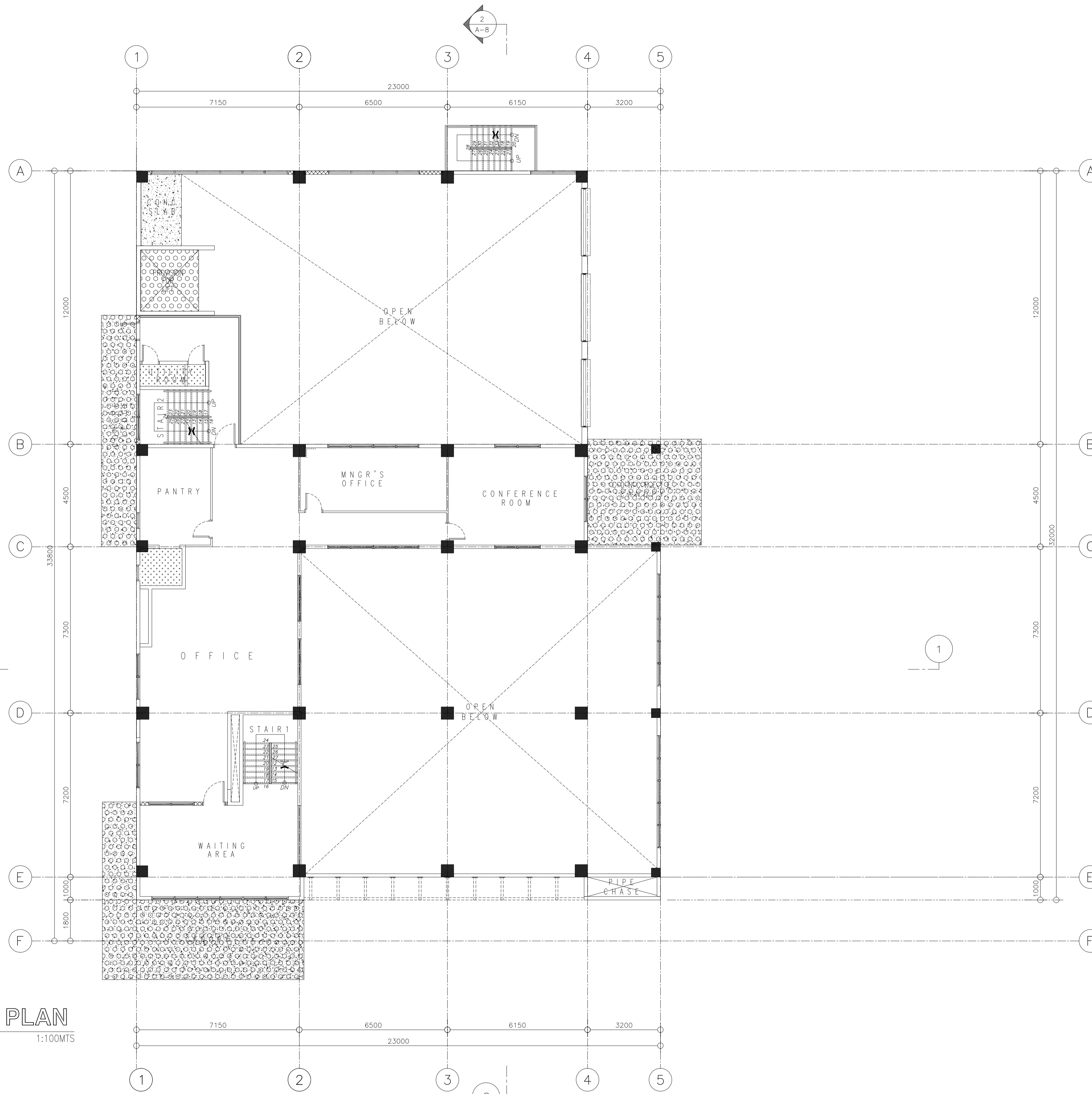
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 <p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT:  GODOFREDO GARCIA PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 1249365 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	SUBMITTED:  ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT:  JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR WATERPROOFING PLAN Scale 1:100m	SET NO. A	SHEET NO. 24 36
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LEGEND:


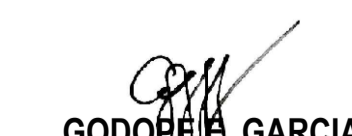



-  TORCHED APPLIED MEMBRANE WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)
-  FLEXIBLE CEMENTITIOUS WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)



1 | 25
AR SCALE 1:100MTS

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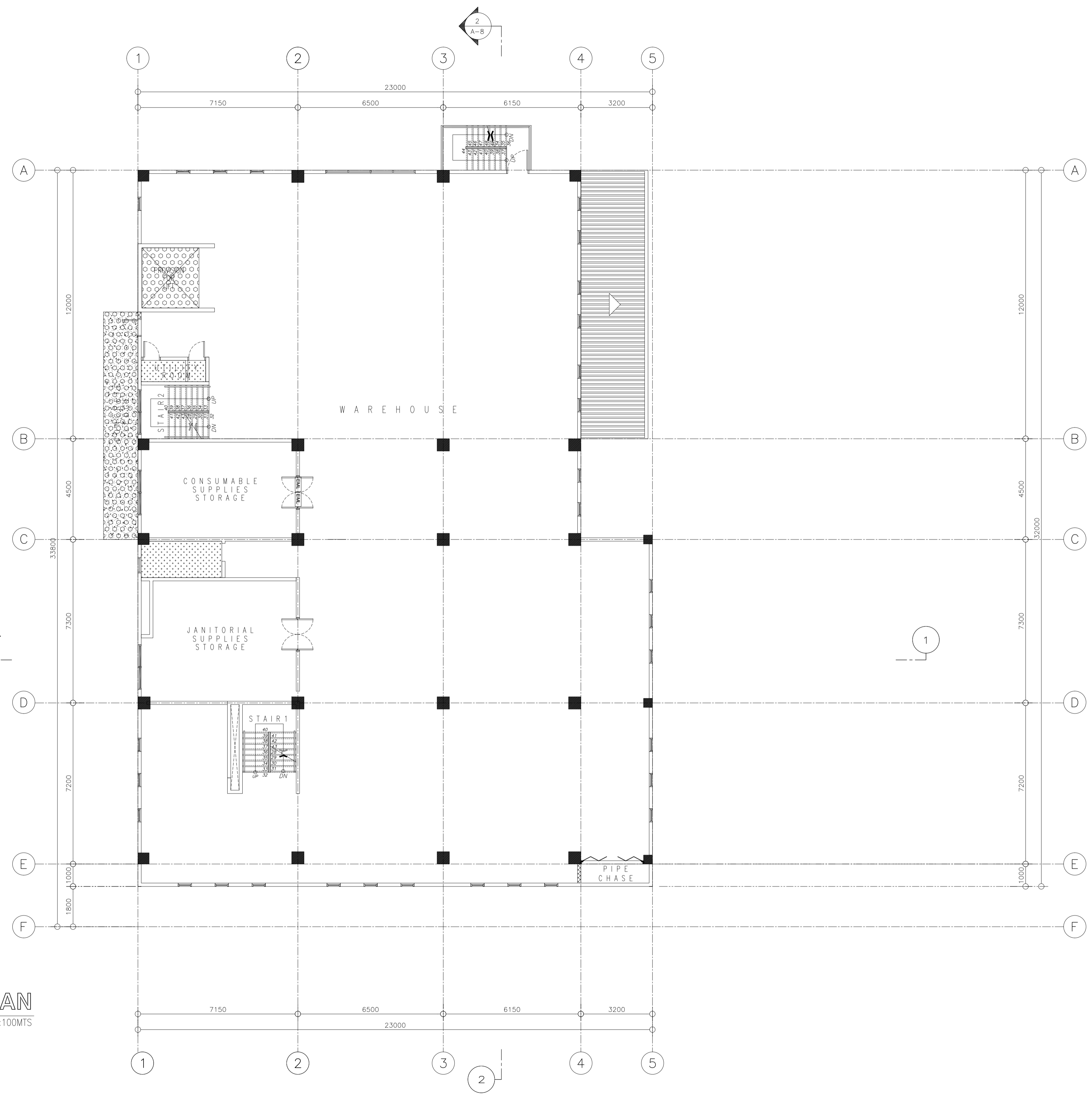
ELMER J. RAMONEDA
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 <p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT:  GODOFREDO GARCIA PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 124396 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	SUBMITTED:  ELMER J. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT:  JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE FLOOR WATERPROOFING PLAN Scale 1:100m	SET NO. A	SHEET NO. 25 / 36
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LEGEND:

TORCHED APPLIED MEMBRANE WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)

FLEXIBLE CEMENTITIOUS WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)



WATERPROOFING PLAN
SECOND FLOOR PLAN
SCALE 1:100MTS

1 | 26
AR

NOTE:

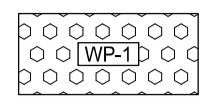

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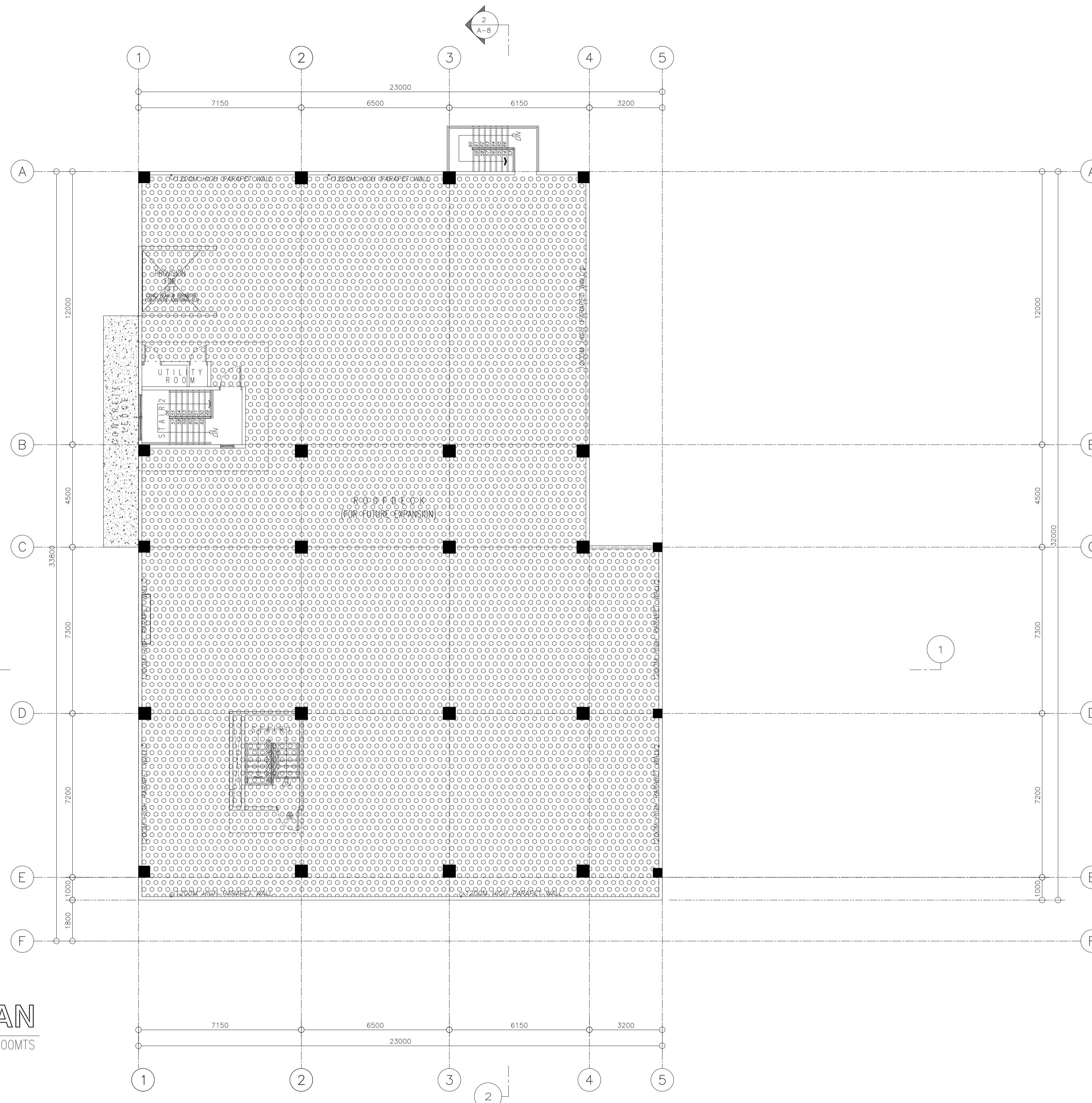
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	PRC NO.: 19537 PTR NO.: 124395 PLACE: CABANATUAN CITY DATE: FEB-08-2021 DATE: MAY-21-2019 TIN NO.: 427991025									

LEGEND:

-  TORCHED APPLIED MEMBRANE WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)
-  FLEXIBLE CEMENTITIOUS WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)

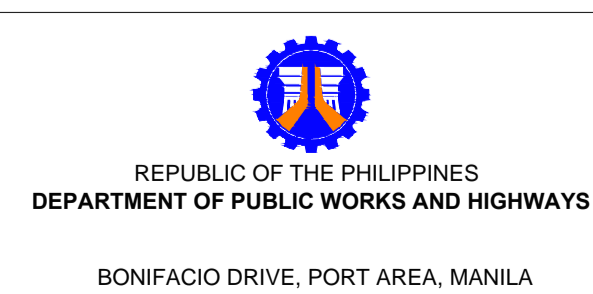


1 27
AR
WATERPROOFING PLAN
ROOF DECK PLAN
SCALE 1:100MTS

NOTE:
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ELMER J. RAMONEDA
PROJECT MANAGER



ARCHITECT: GODOFREDO GARCIA	SUBMITTED: ELMER J. RAMONEDA PROJECT MANAGER
PRC NO.: 19537 PTR NO.: 124395 PLACE: CABANATUAN CITY	DATE: FEB-06-2021 DATE: MAY-31-2019 TIN NO.: 427991026



REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN
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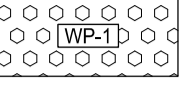

RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN

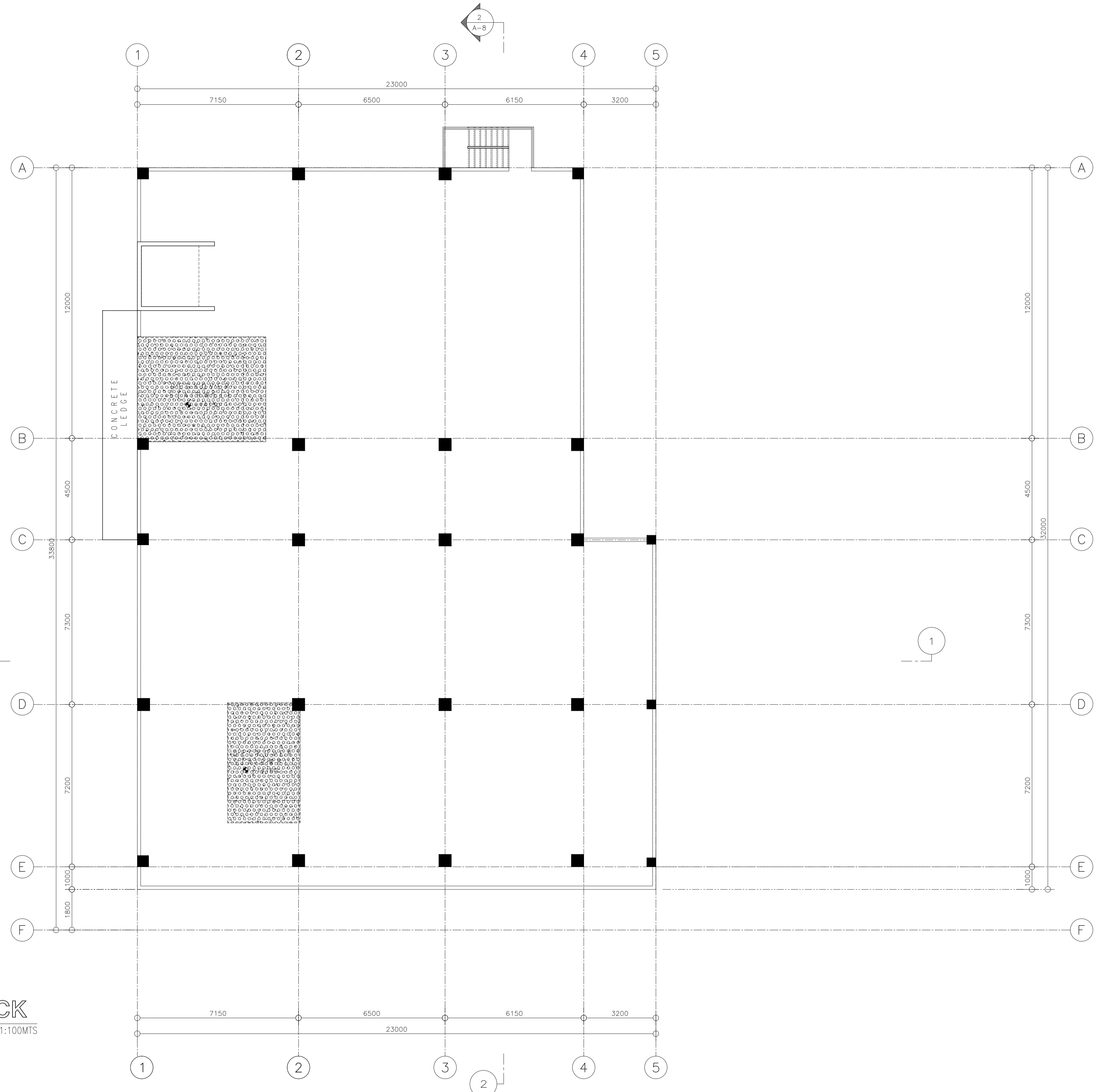
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SHEET CONTENTS: ROOF DECK WATERPROOFING PLAN Scale 1:100m	SET NO. A	SHEET NO. 27 36
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LEGEND:






-  TORCHED APPLIED MEMBRANE WATERPROOFING
(VERIFY SPECIFICATIONS FOR BRAND)
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(VERIFY SPECIFICATIONS FOR BRAND)

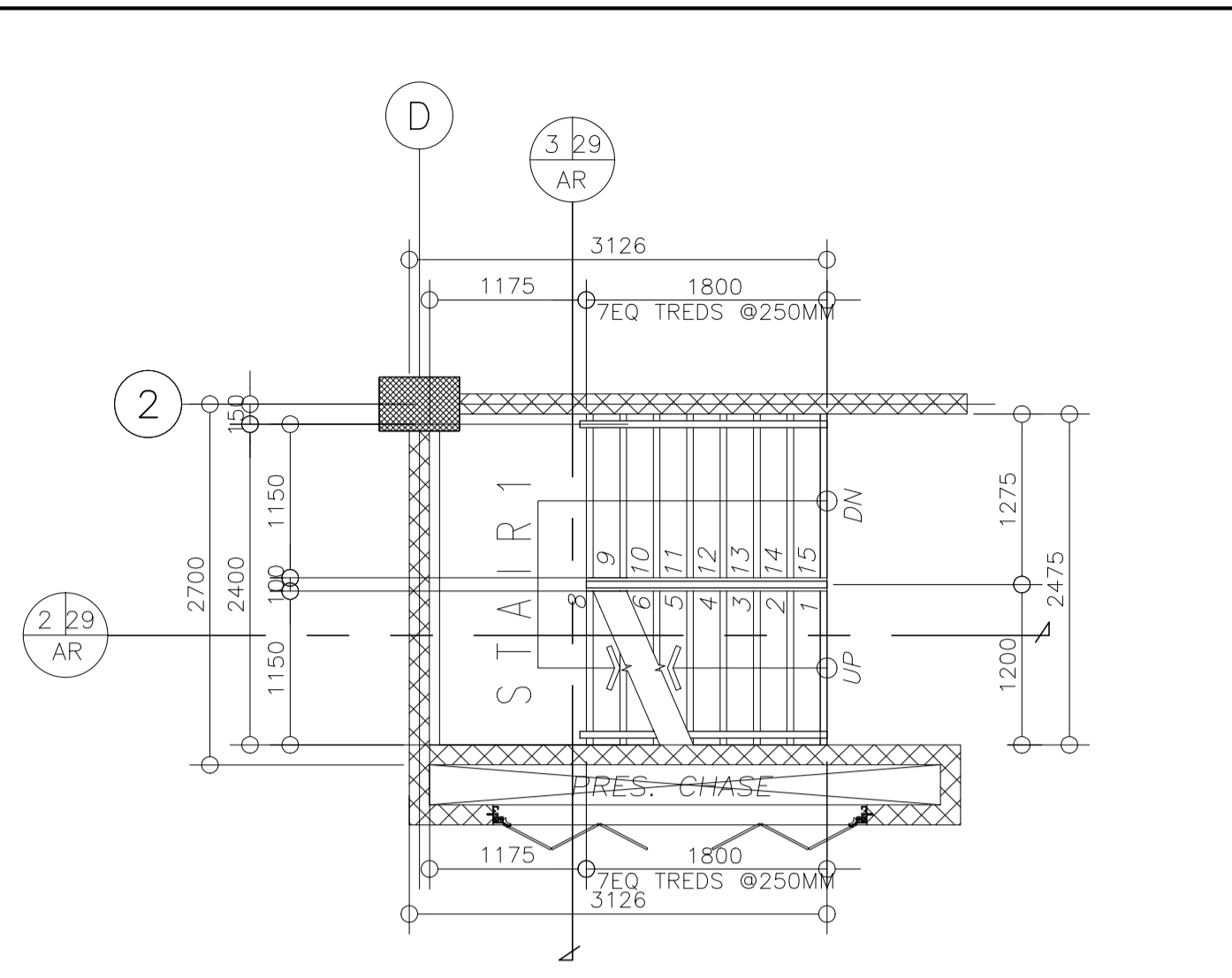


1 | 28
AR | SCALE | 1:100MTS

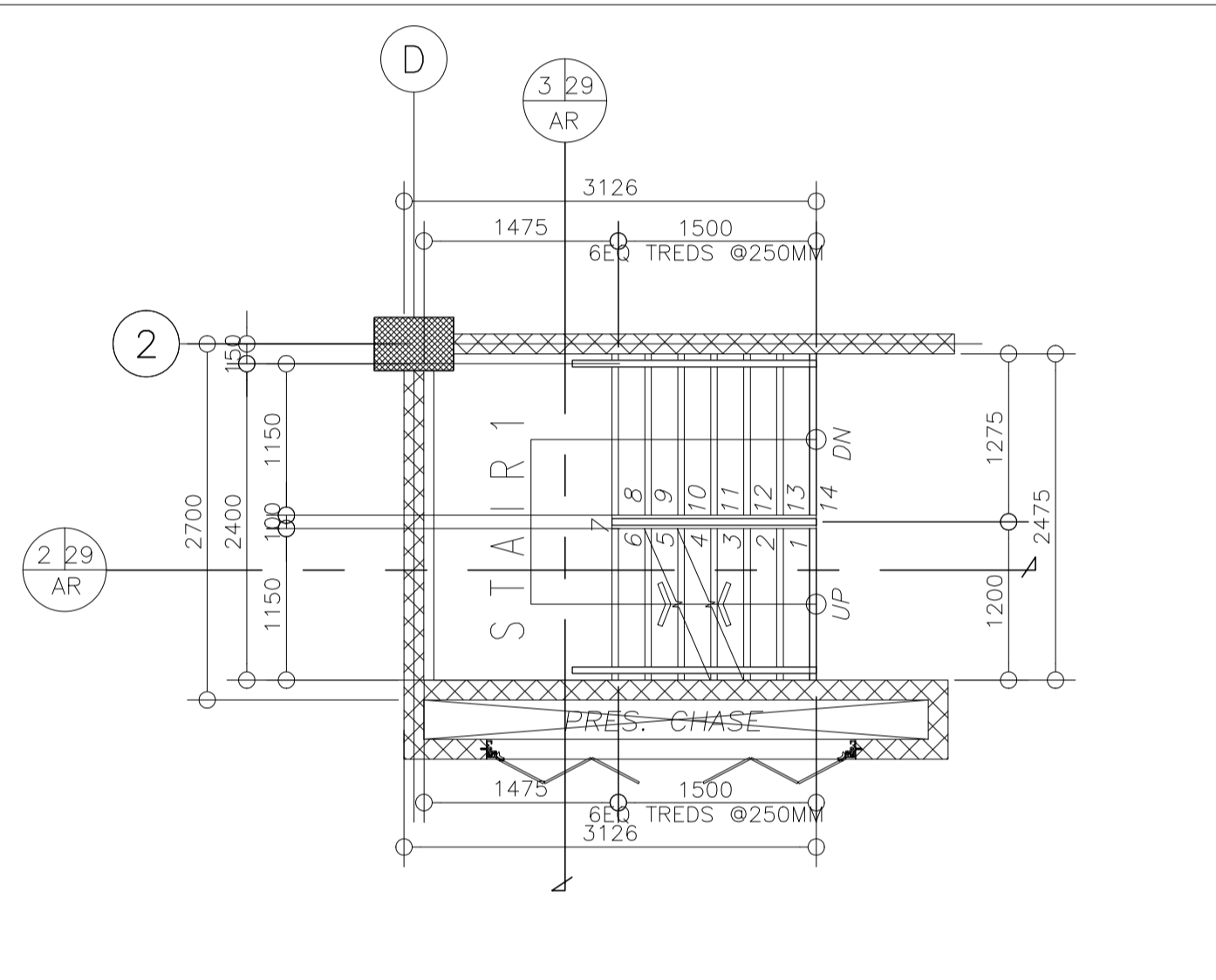
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Elmer T. Ramoneda
PROJECT MANAGER

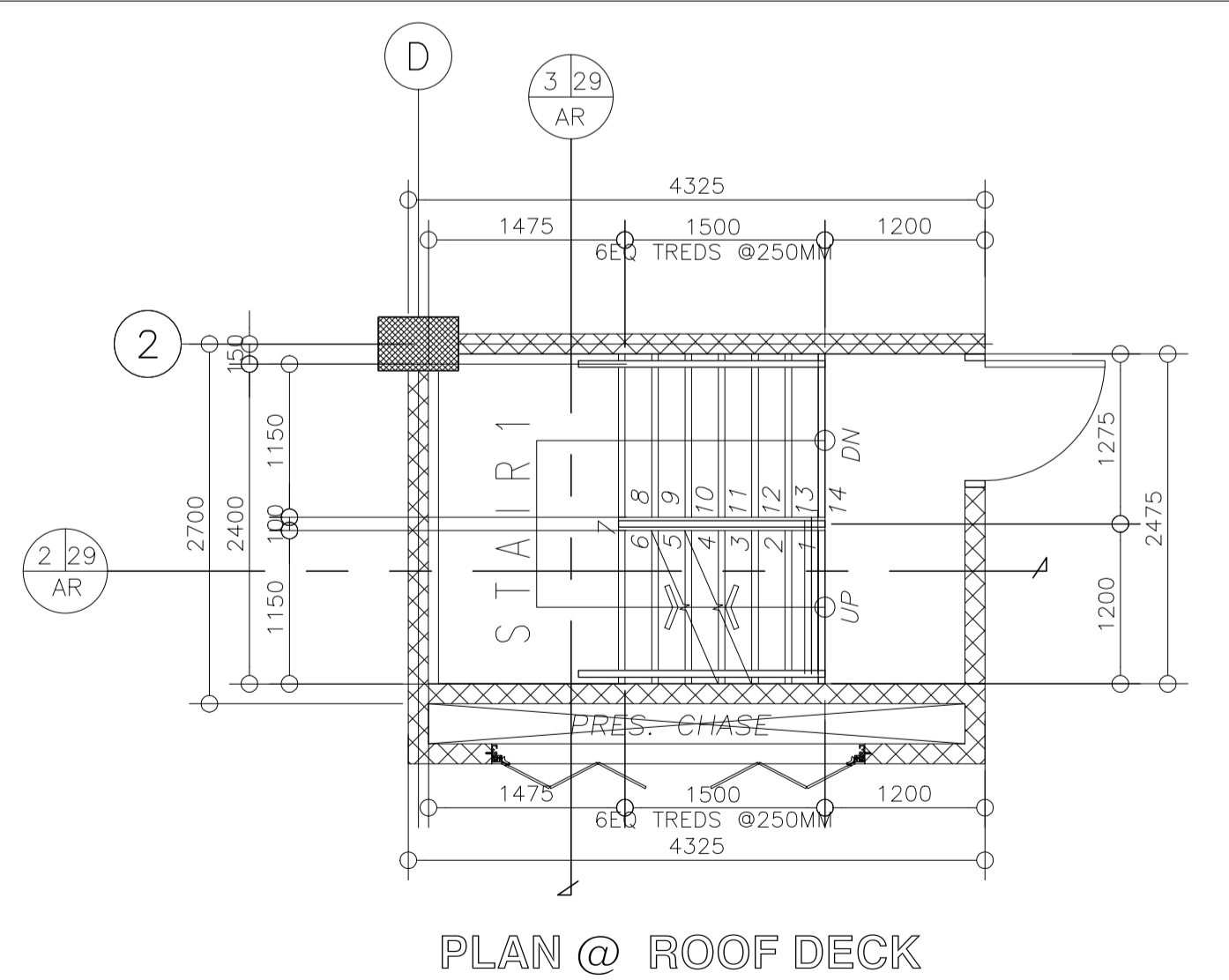
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	 GODOFREDO GARCIA PRC NO.: 19537 DATE: FEB-08-2021 PTR NO.: 124395 DATE: MAY-31-2019 PLACE: CABANATUAN CITY TIN NO.: 427991026	 ELMER T. RAMONEDA PROJECT MANAGER	 JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	(SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	DECK OVER ROOF DECK WATERPROOFING PLAN Scale 1:100m	A	28 36	



PLAN @ GROUND FLOOR

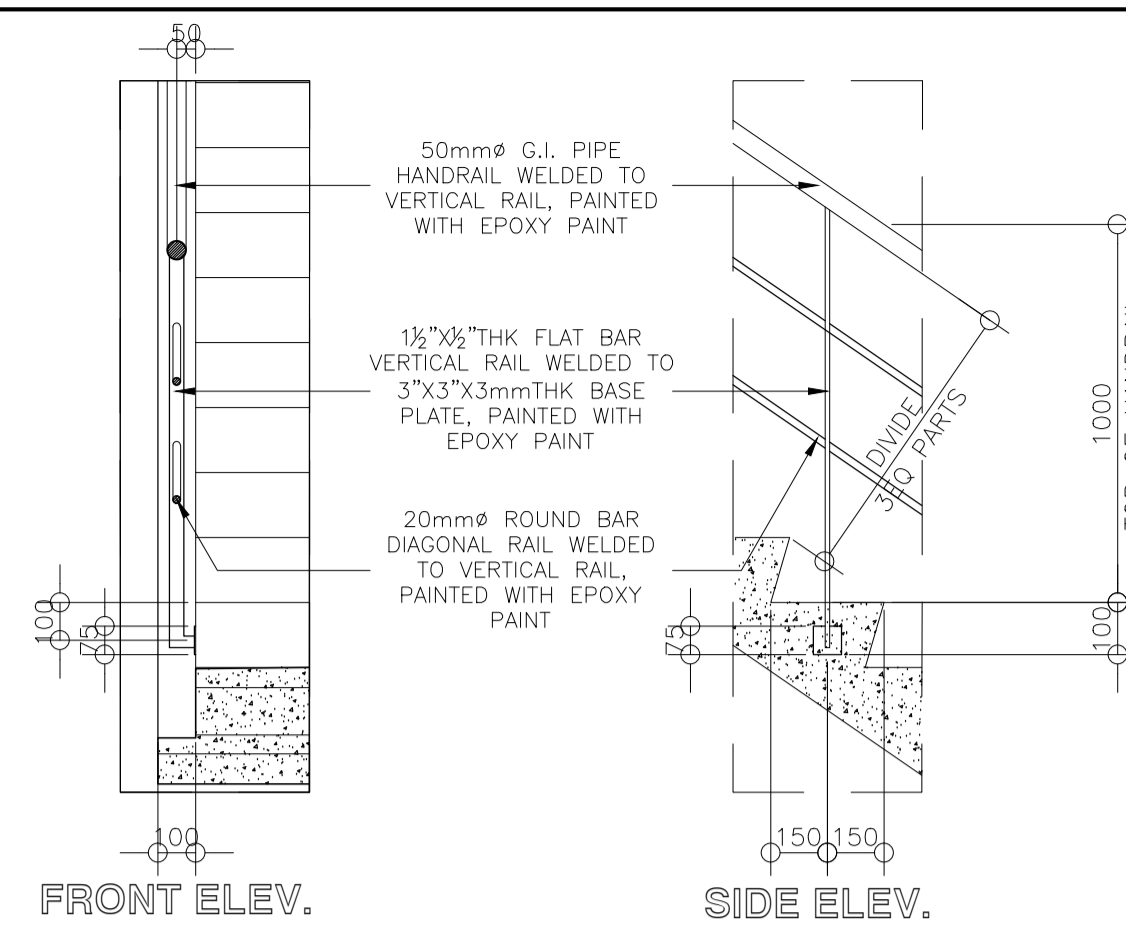


PLAN @ TYP. MEZZANINE-2ND FLOOR

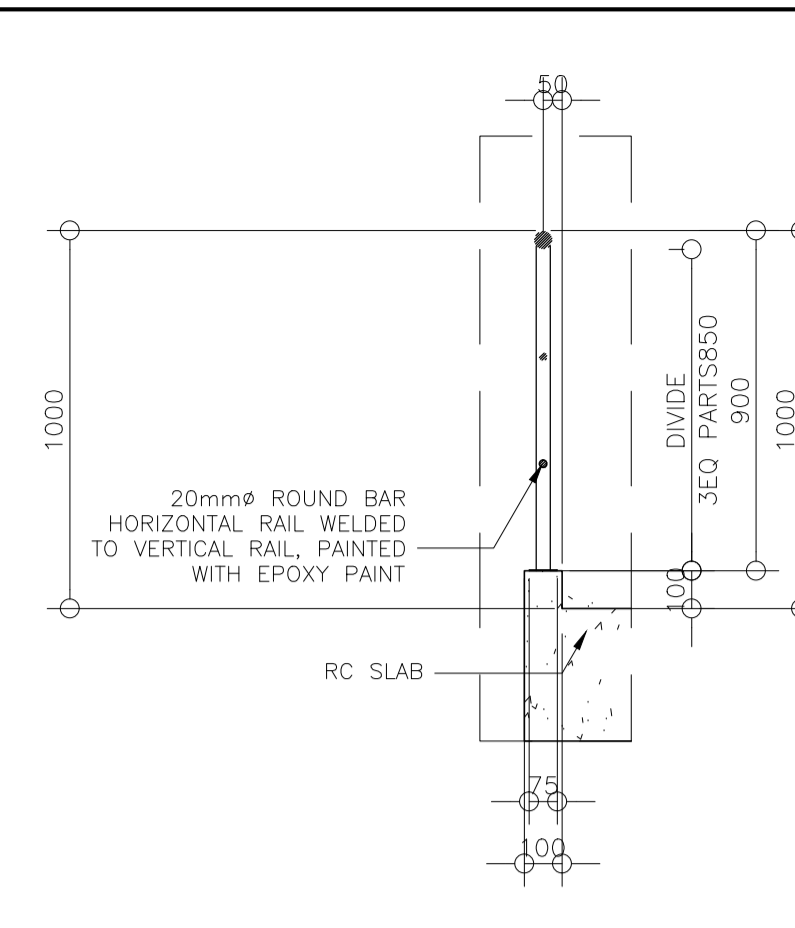


PLAN @ ROOF DECK

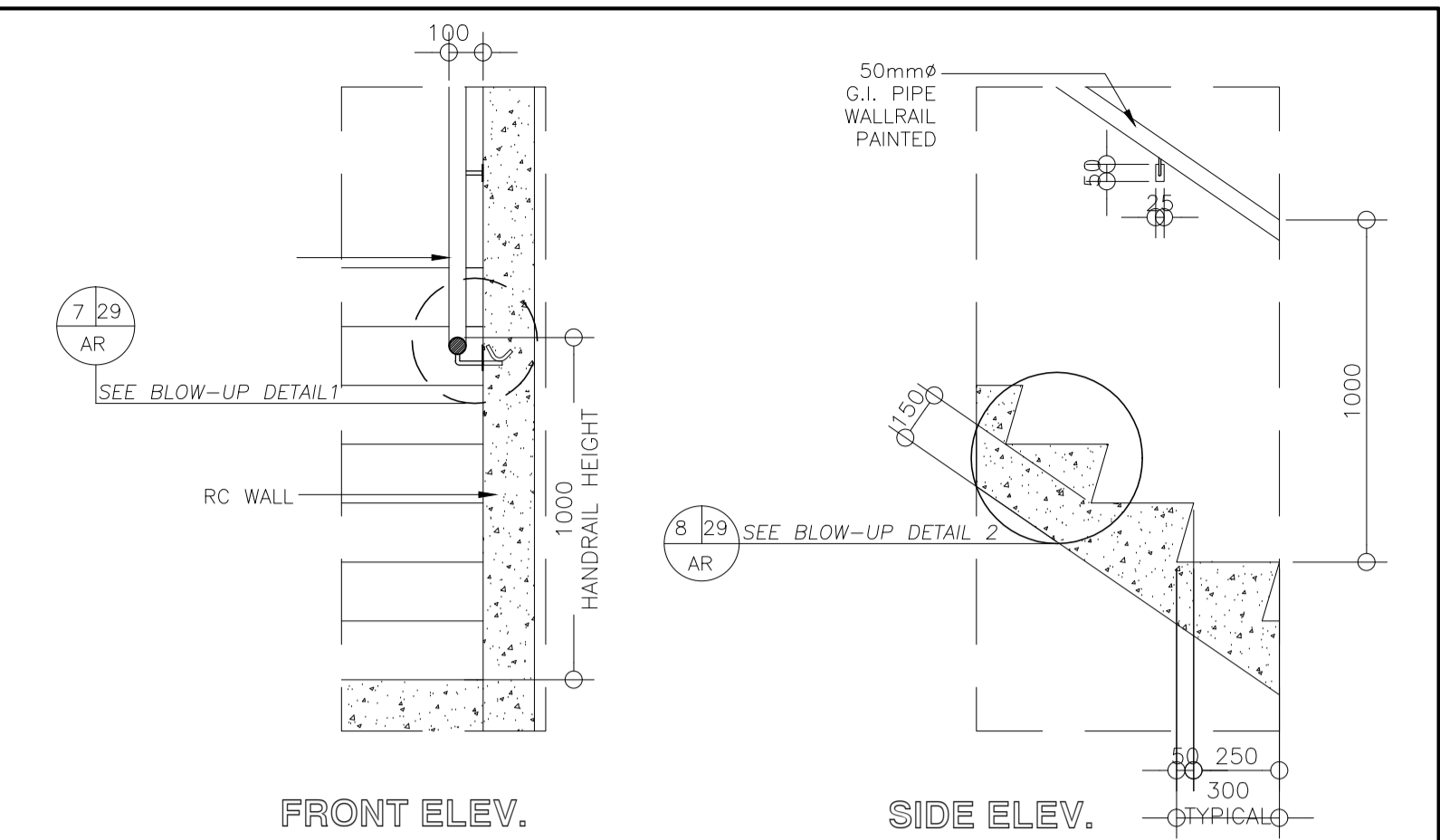
1 29 STAIR 1 PLAN
AR SCALE 1:50M



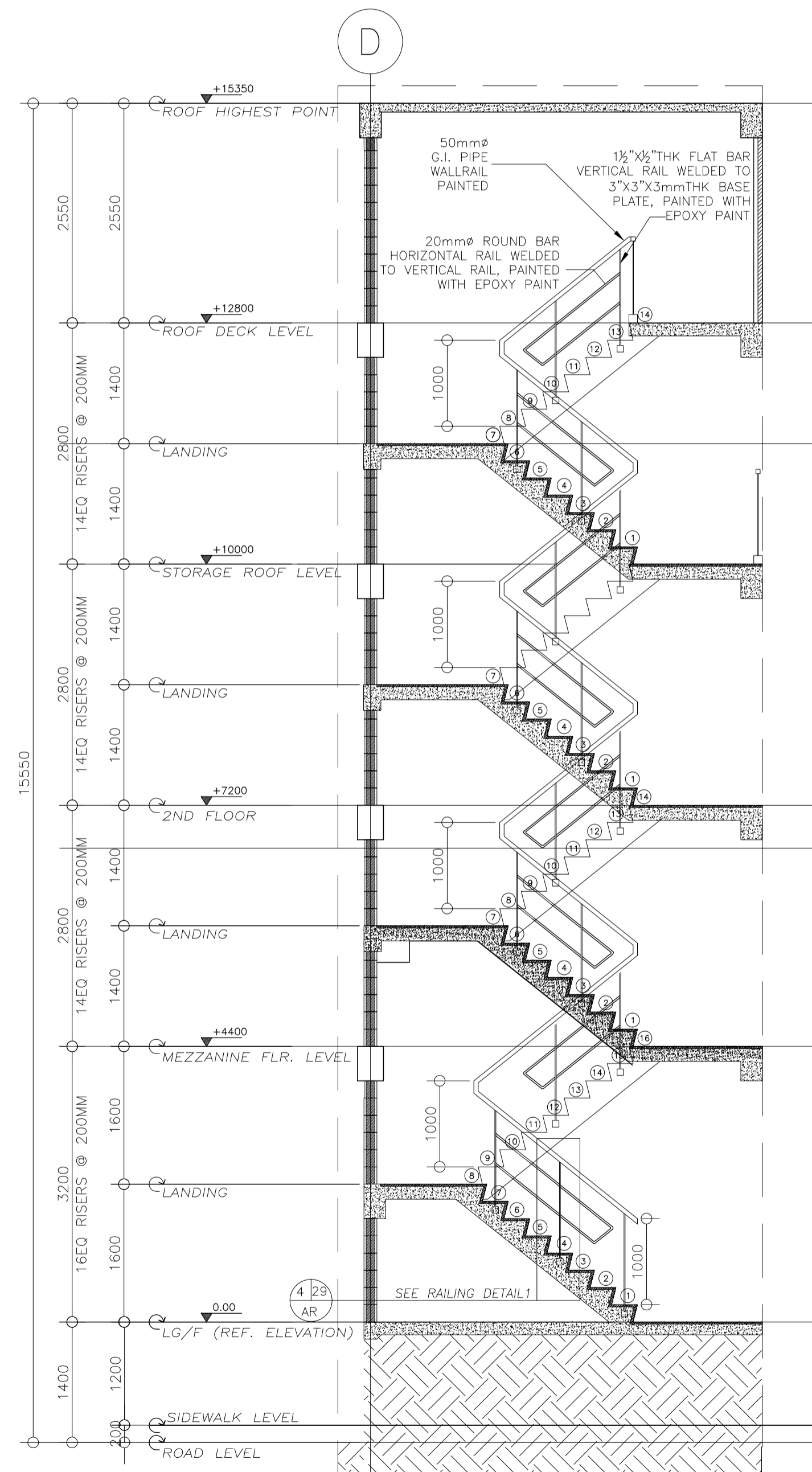
4 29 RAILING DETAIL 1
AR SCALE 1:20 M.



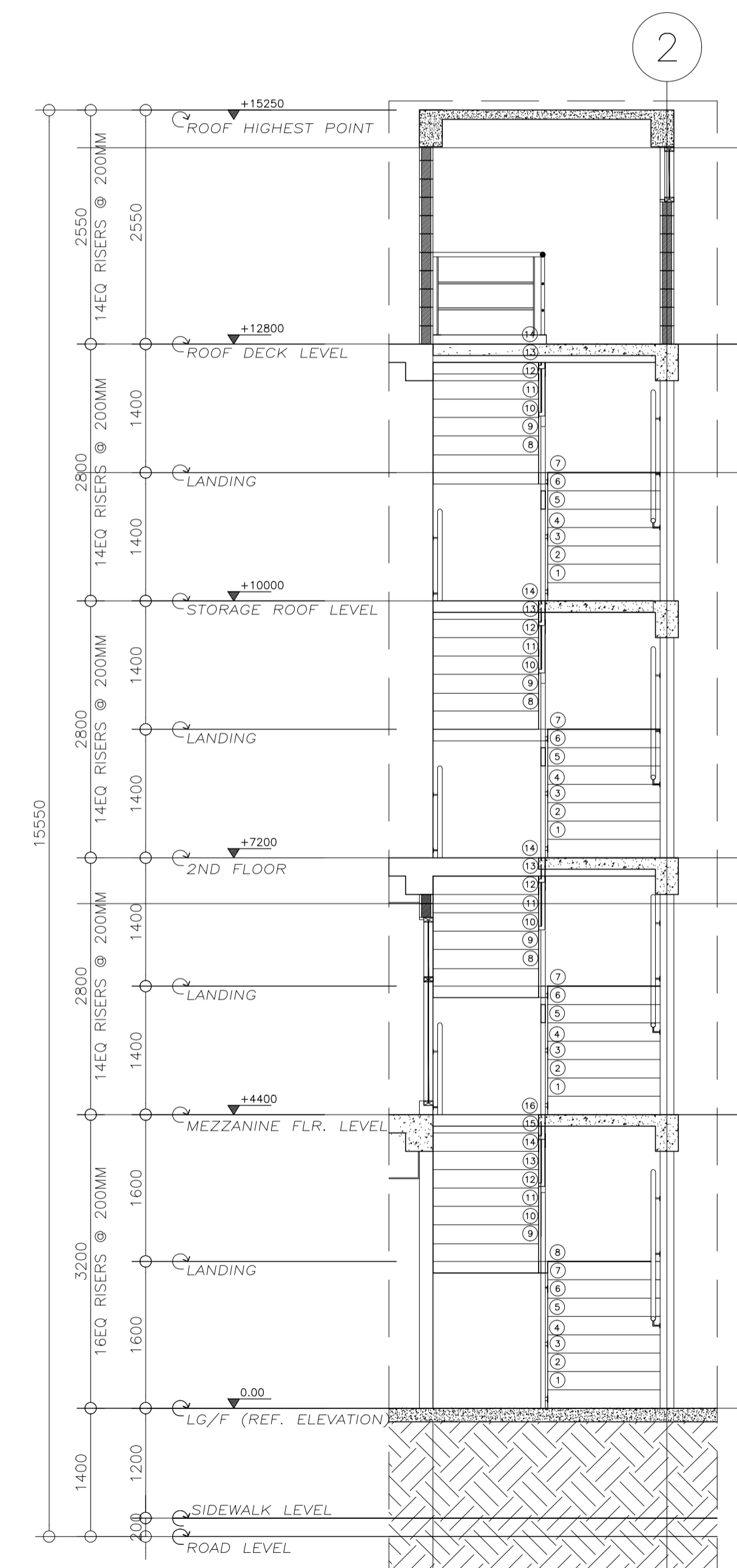
5 29 RAILING DETAIL 2
AR SCALE 1:20 M.



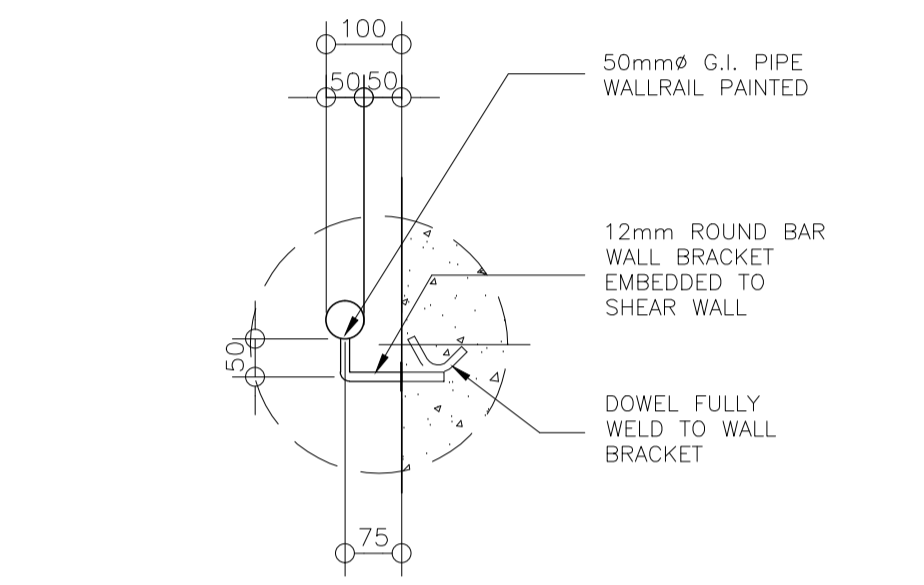
6 29 TYPICAL WALL RAIL DETAIL
AR SCALE 1:20 M.



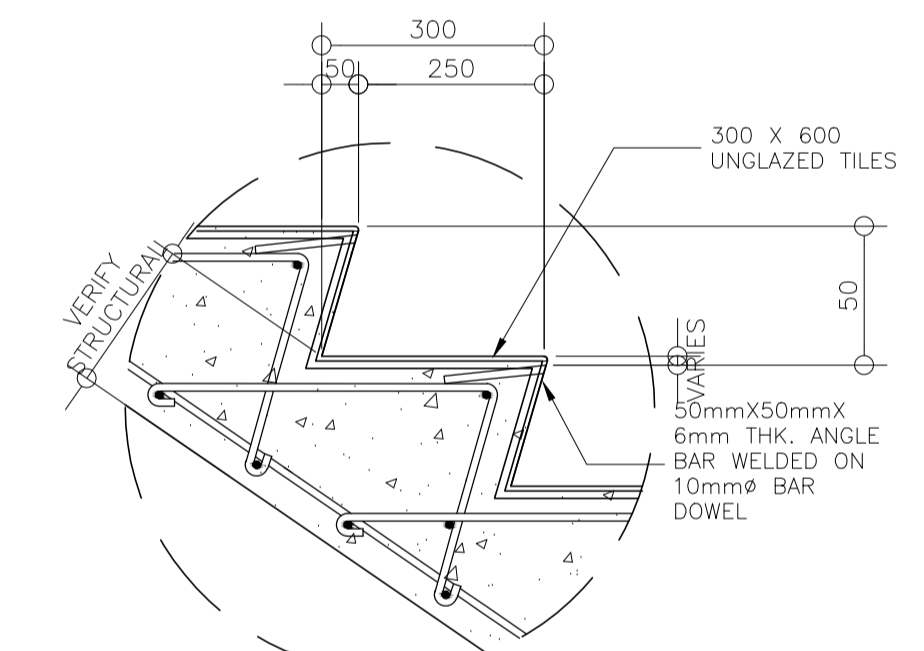
2 29 LONGITUDINAL SECTION
AR SCALE 1:50 M.



3 29 CROSS SECTION
AR SCALE 1:50 M.



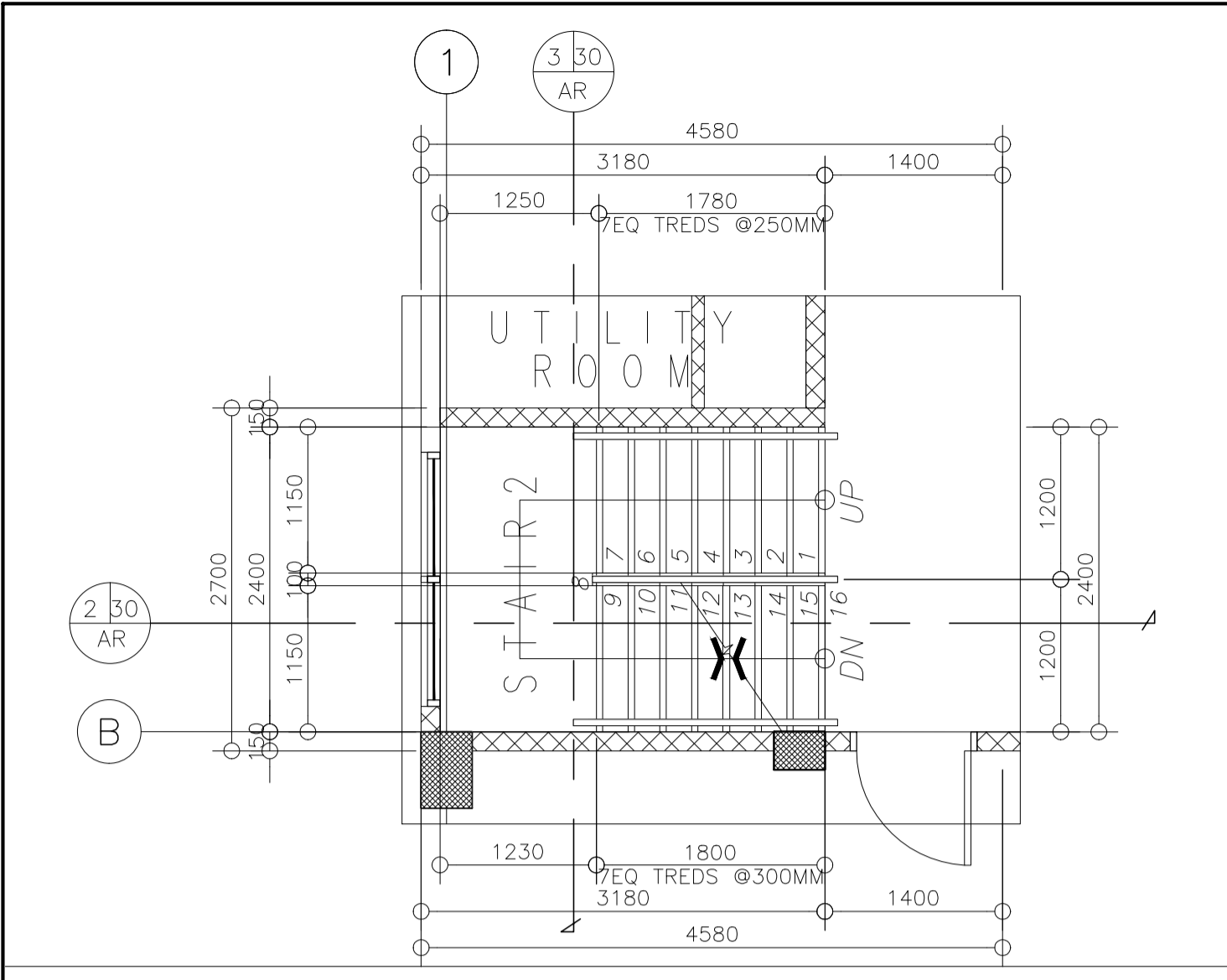
7 29 BLOW UP DETAIL 1
AR SCALE 1:20 M.



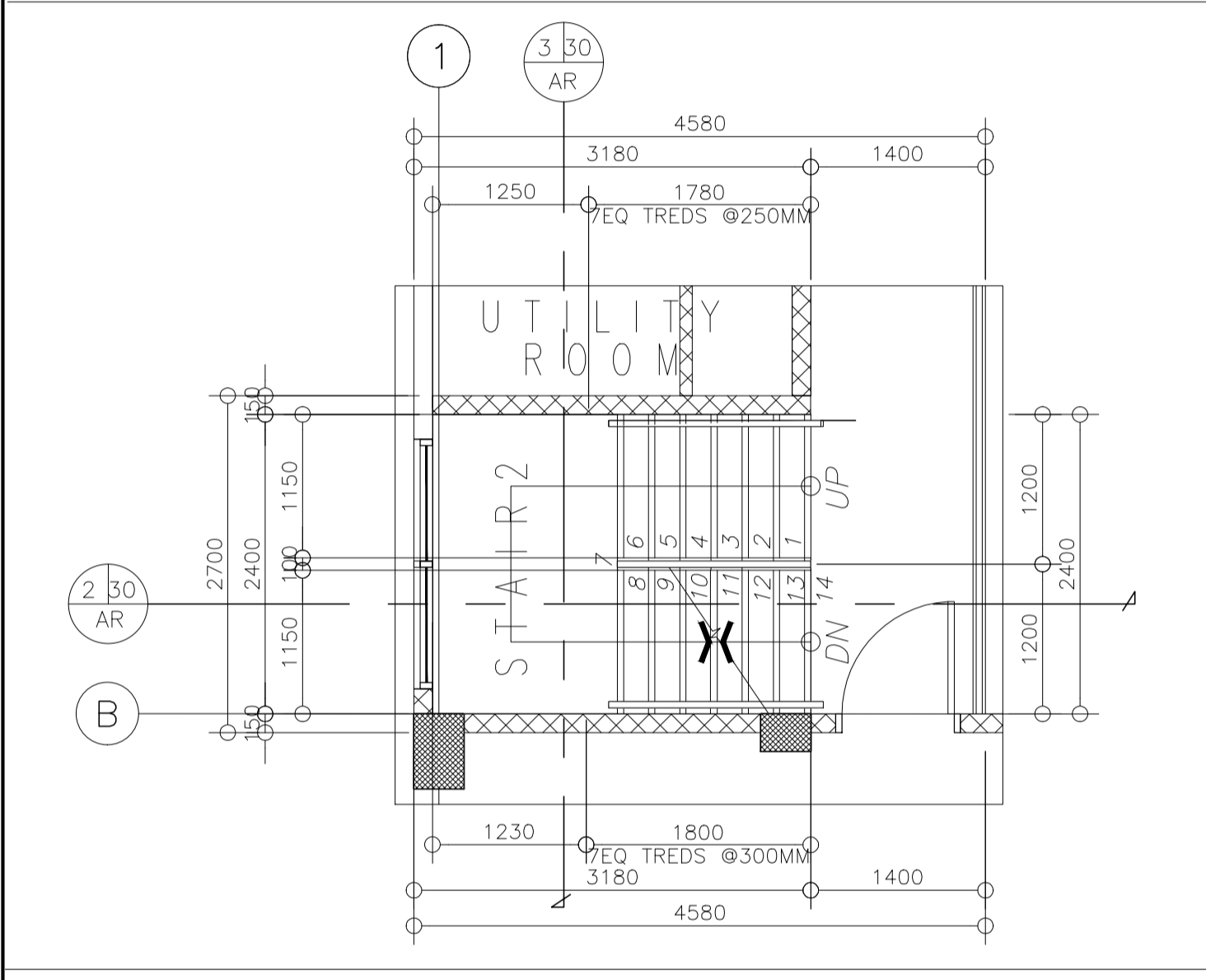
8 29 TYP. BLOW UP DETAIL 2
AR SCALE 1:10 M.

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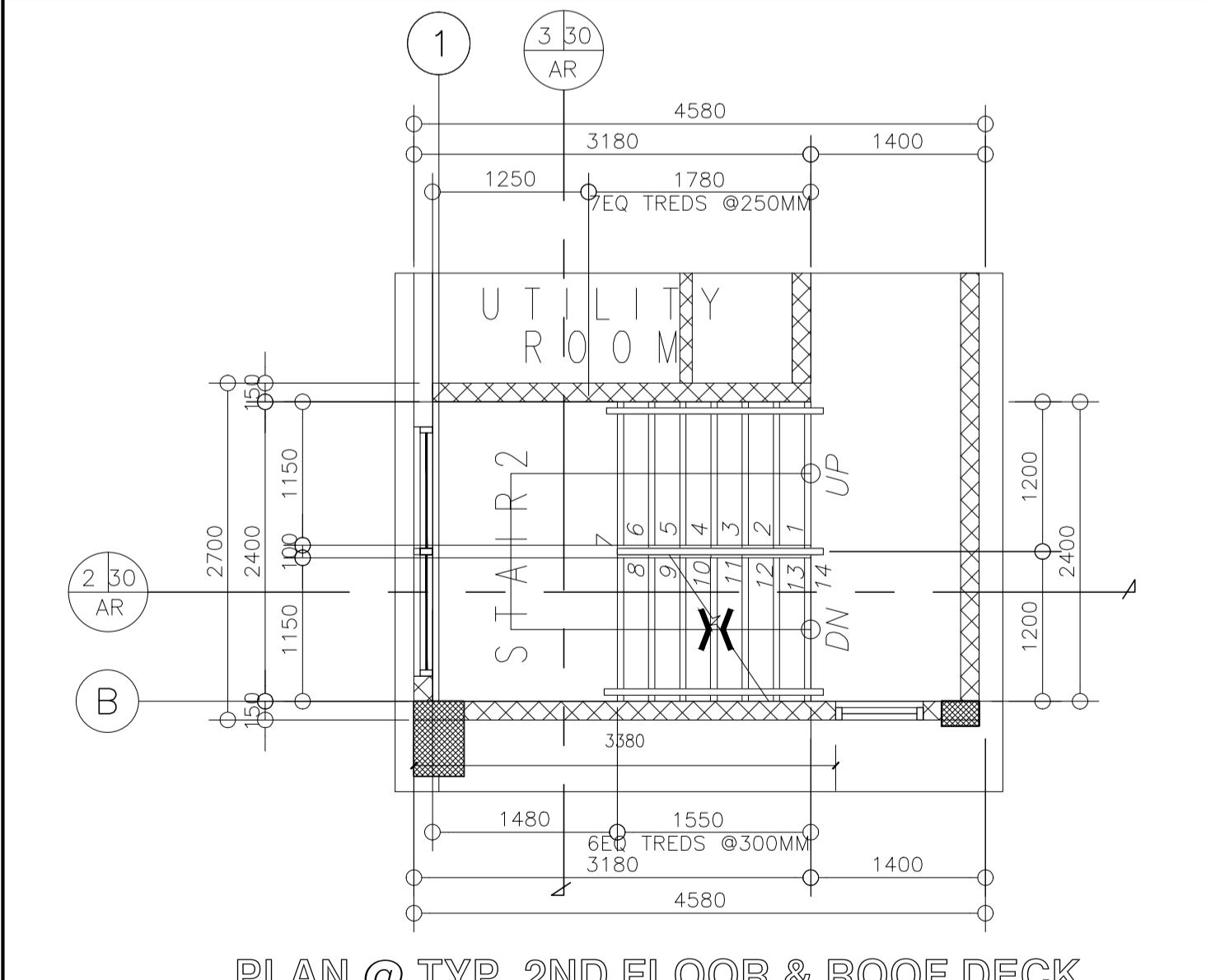
ELMER T. RAMONEDA
PROJECT MANAGER



PLAN @ GROUND FLOOR

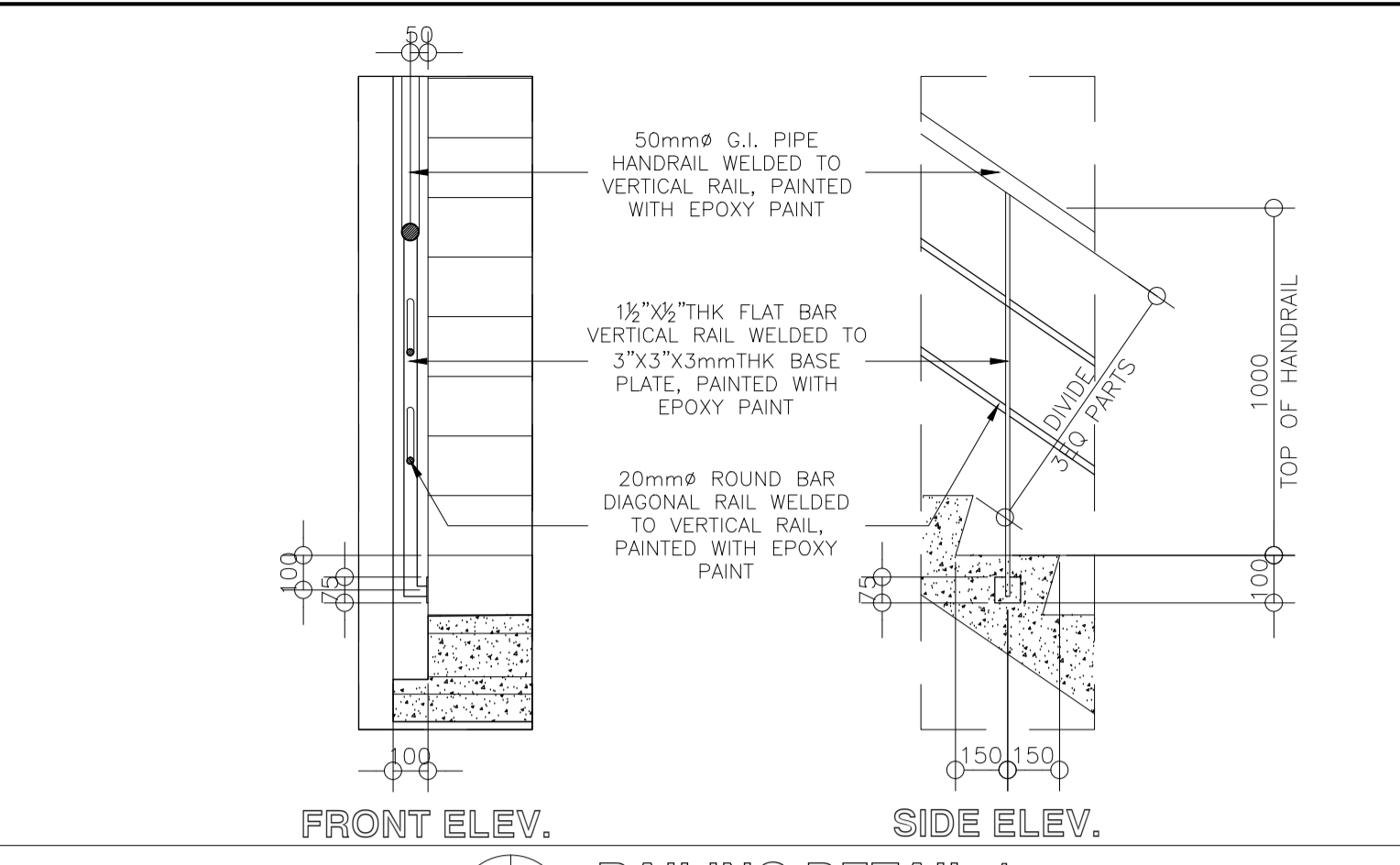


PLAN @ MEZZANINE FLOOR

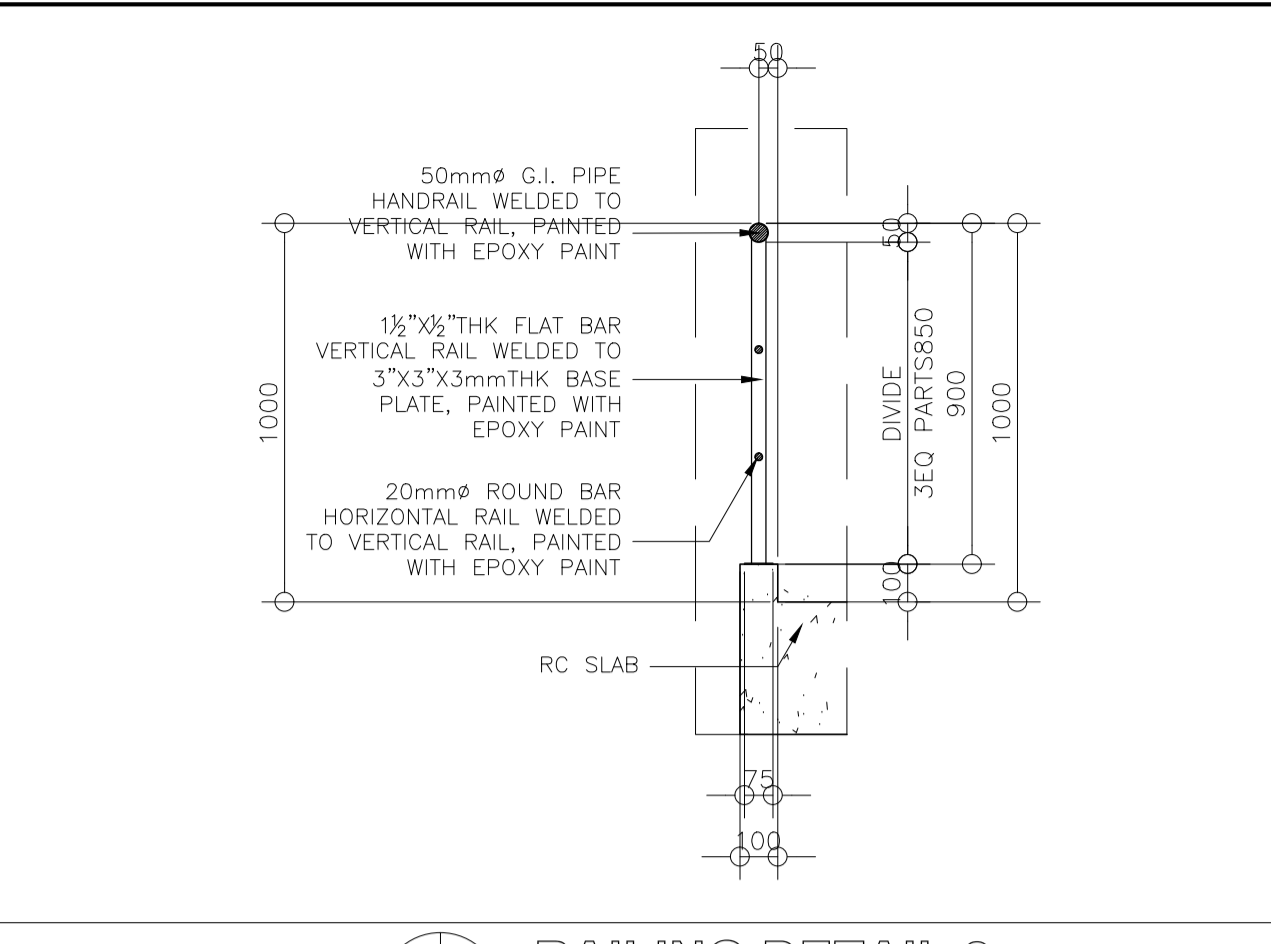


PLAN @ TYP. 2ND FLOOR & ROOF DECK

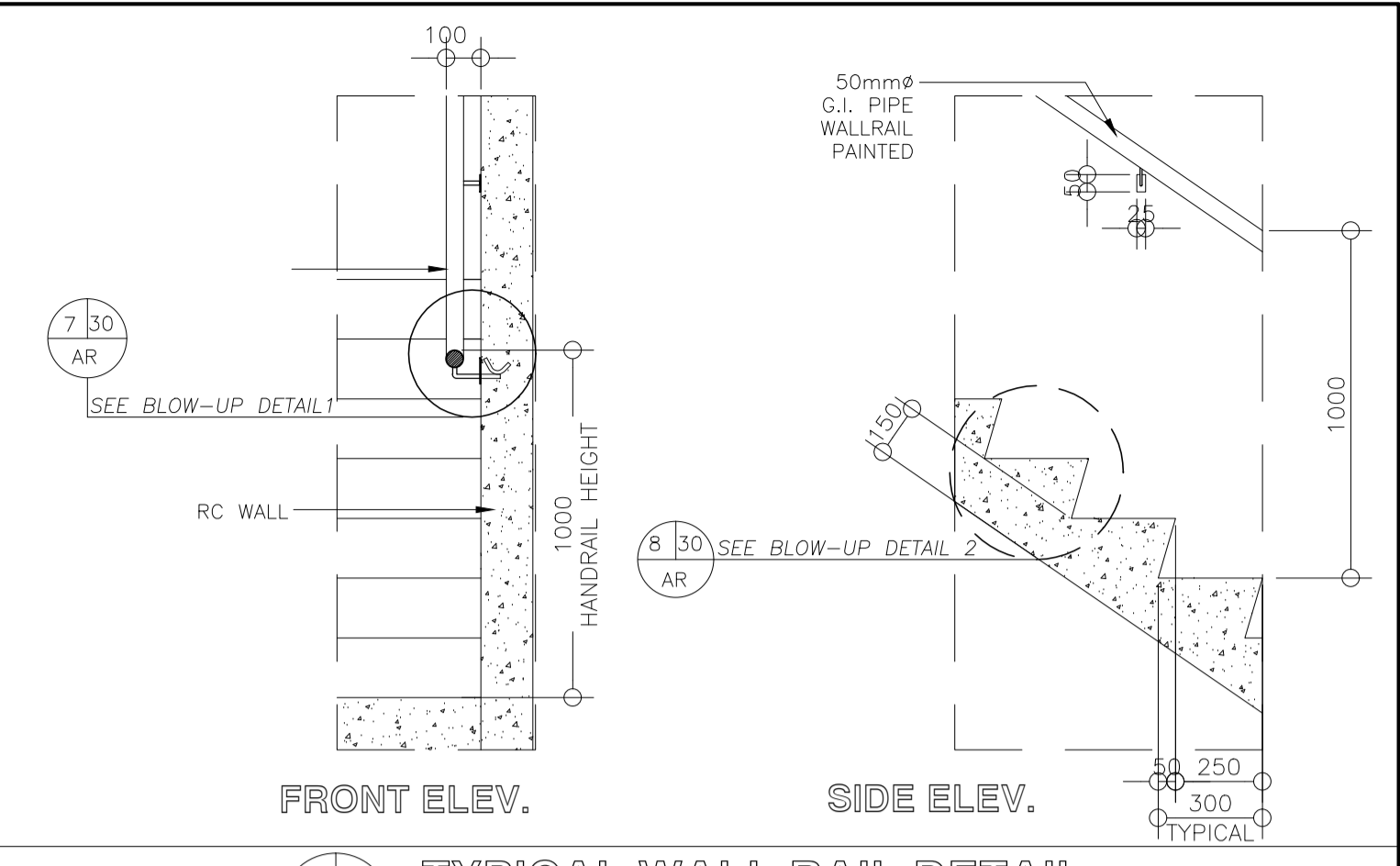
1 30 AR STAIR 2 PLAN SCALE 1:50M



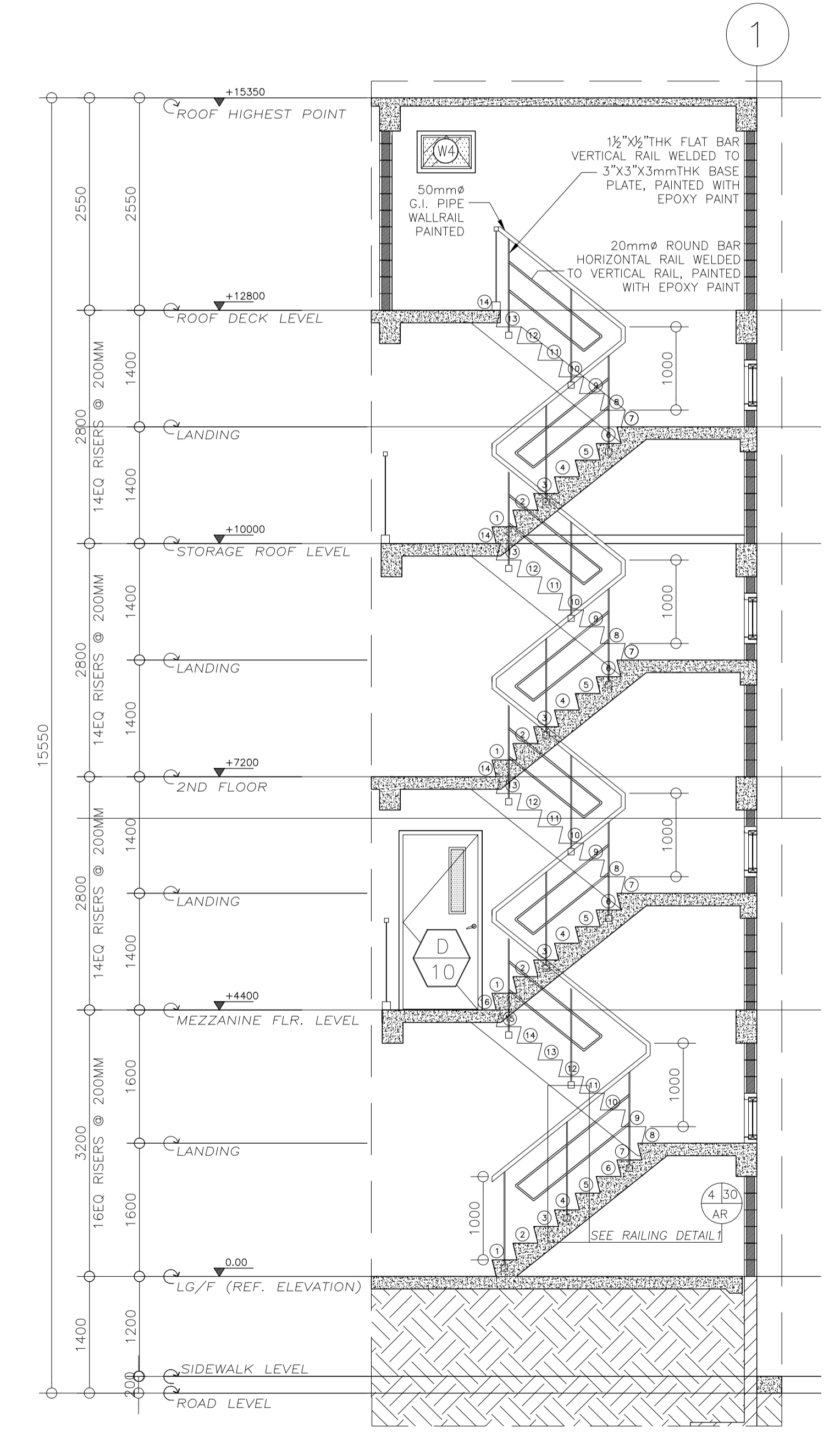
4 30 AR RAILING DETAIL 1 SCALE 1:20 M.



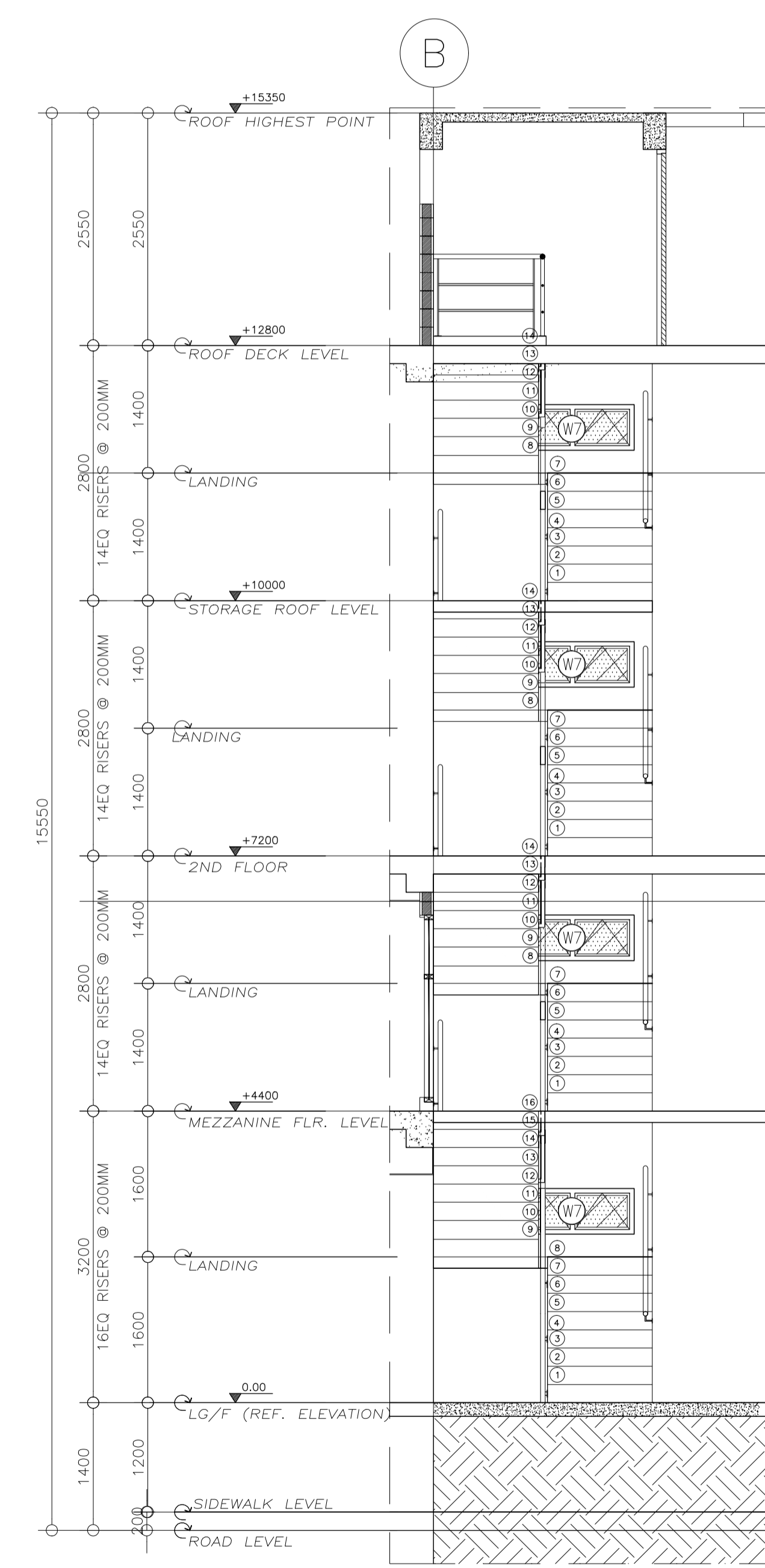
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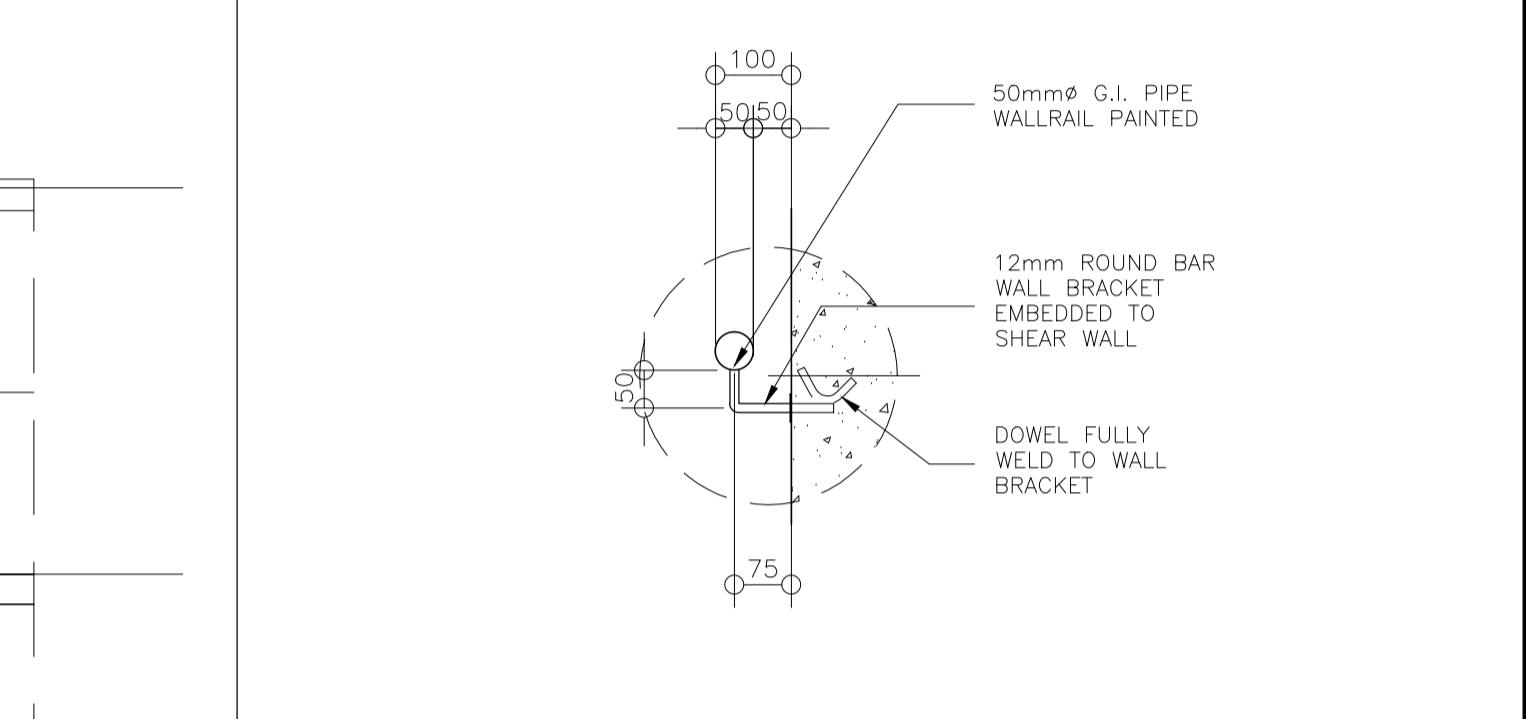
6 30 AR TYPICAL WALL RAIL DETAIL SCALE 1:20 M.



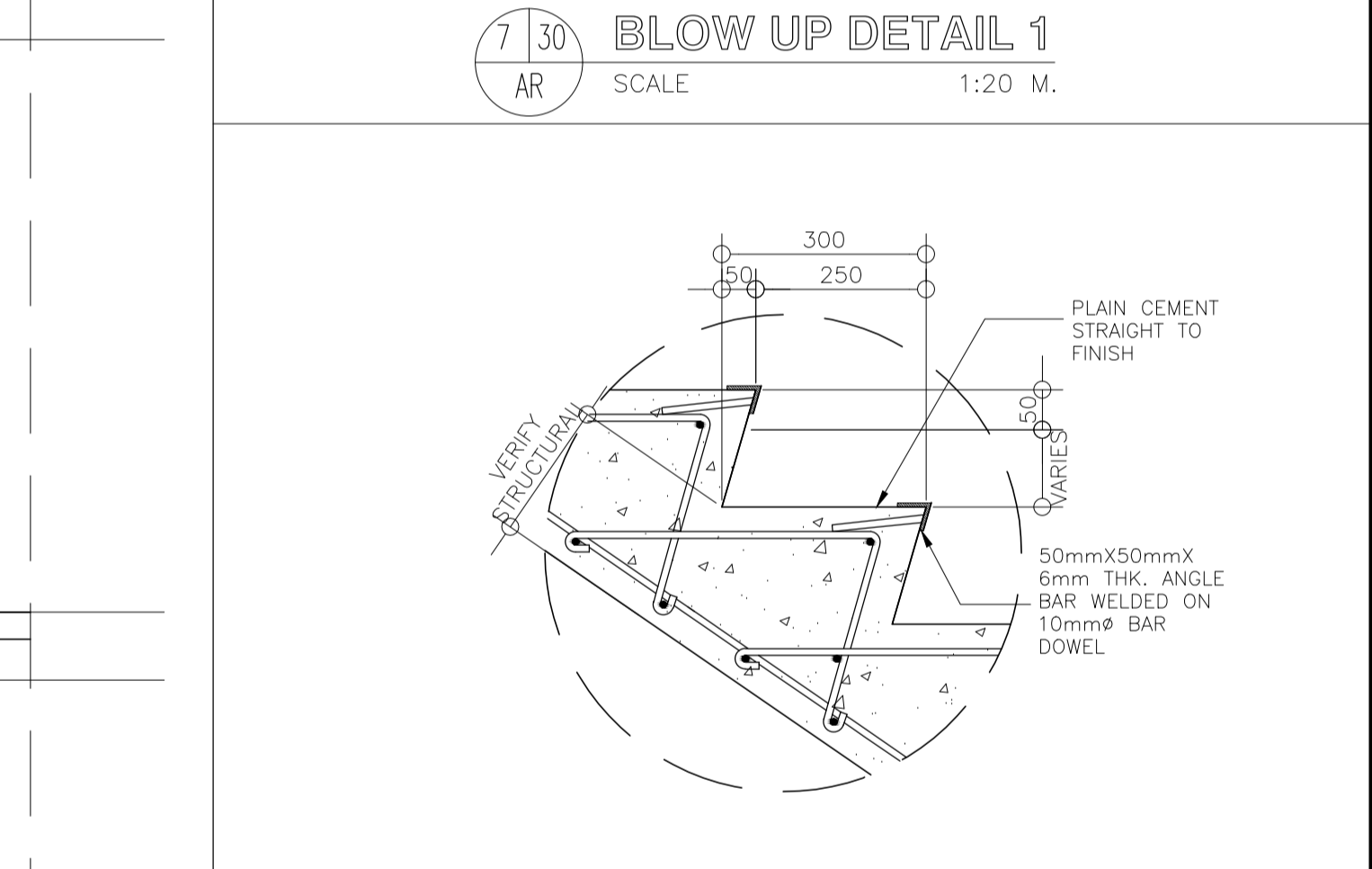
2 30 AR LONGITUDINAL SECTION SCALE 1:50 M.



3 30 AR CROSS SECTION SCALE 1:50 M.



7 30 AR BLOW UP DETAIL 1 SCALE 1:20 M.

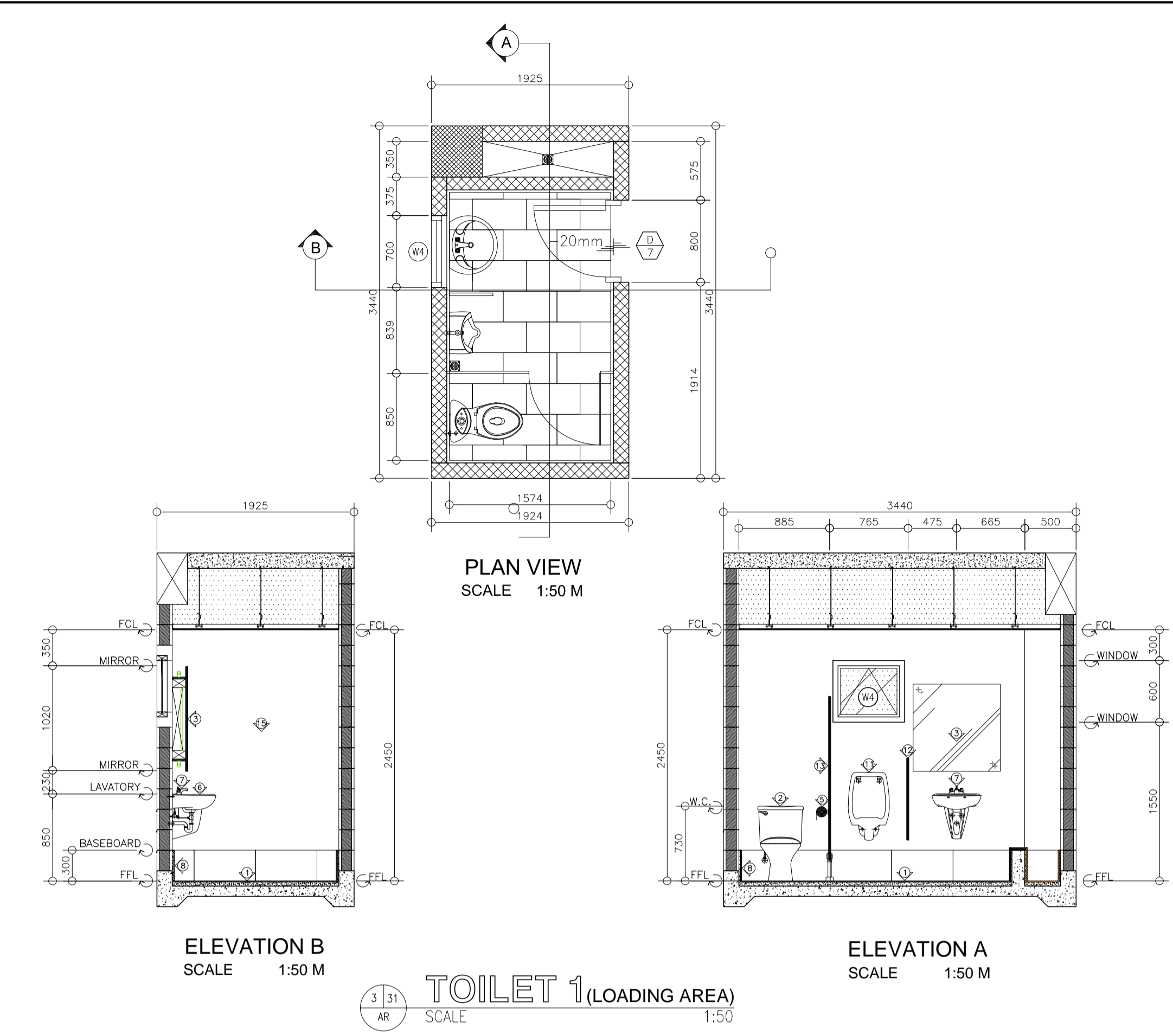
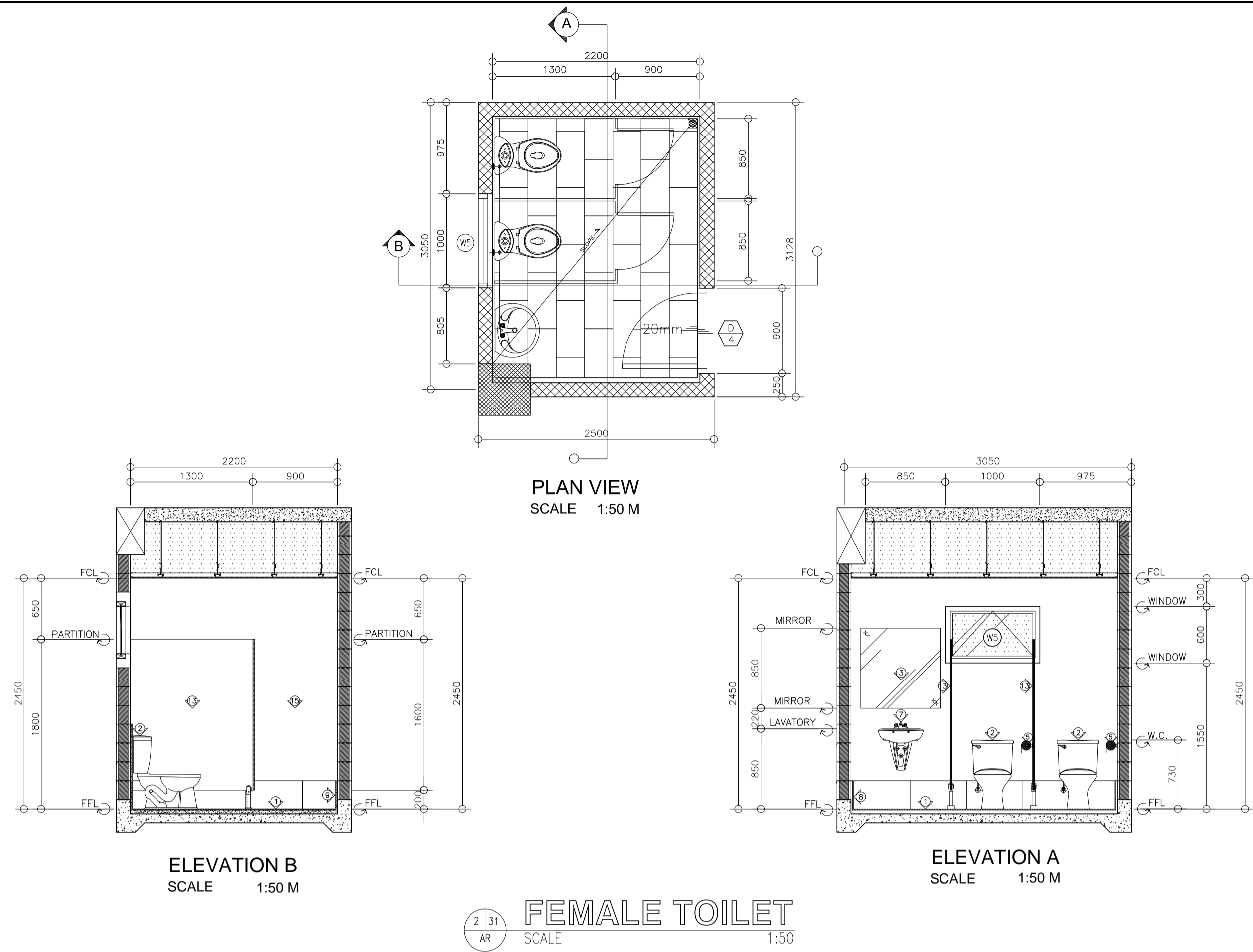


8 30 AR TYP. BLOW UP DETAIL 2 SCALE 1:10 M.

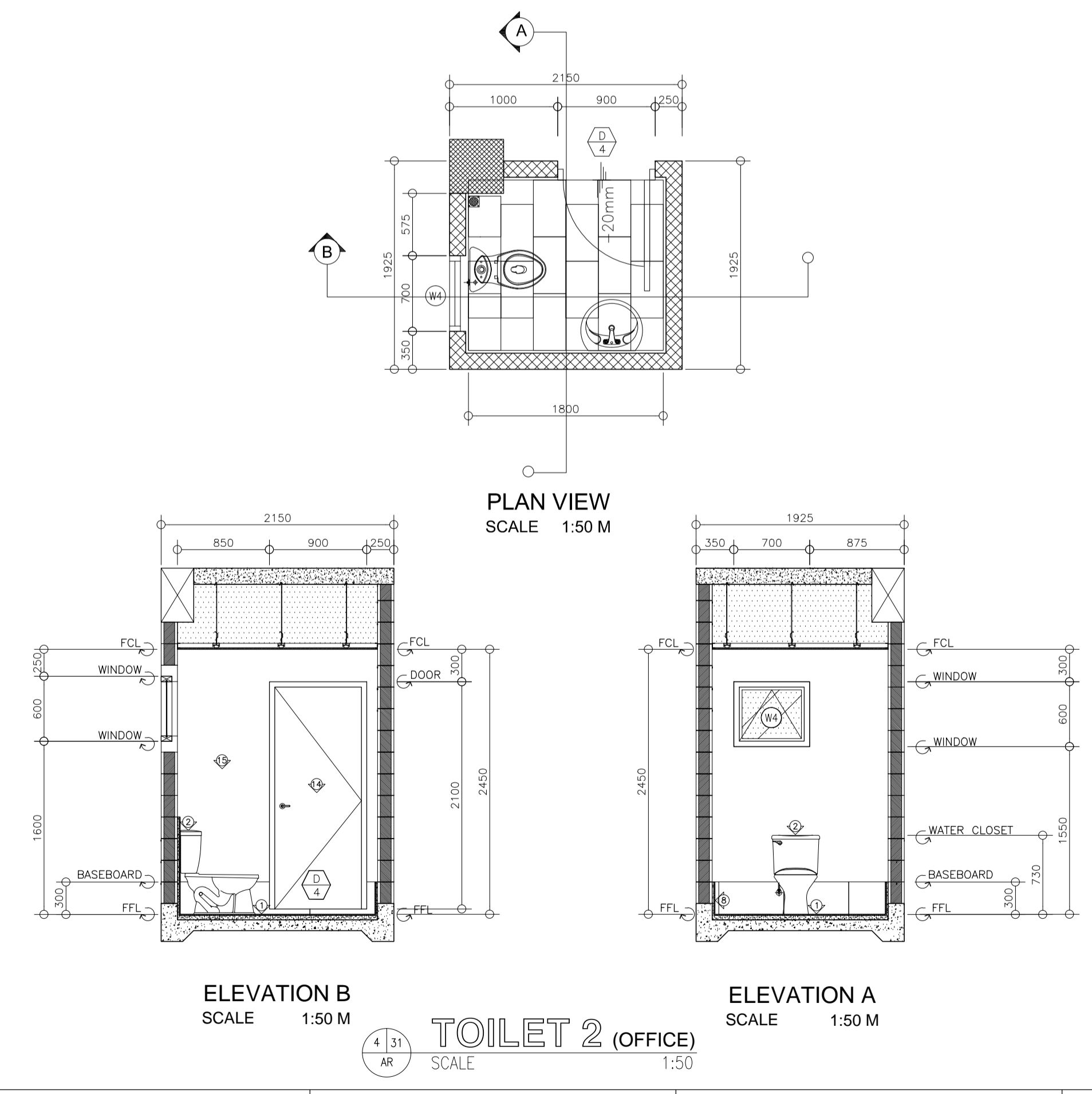
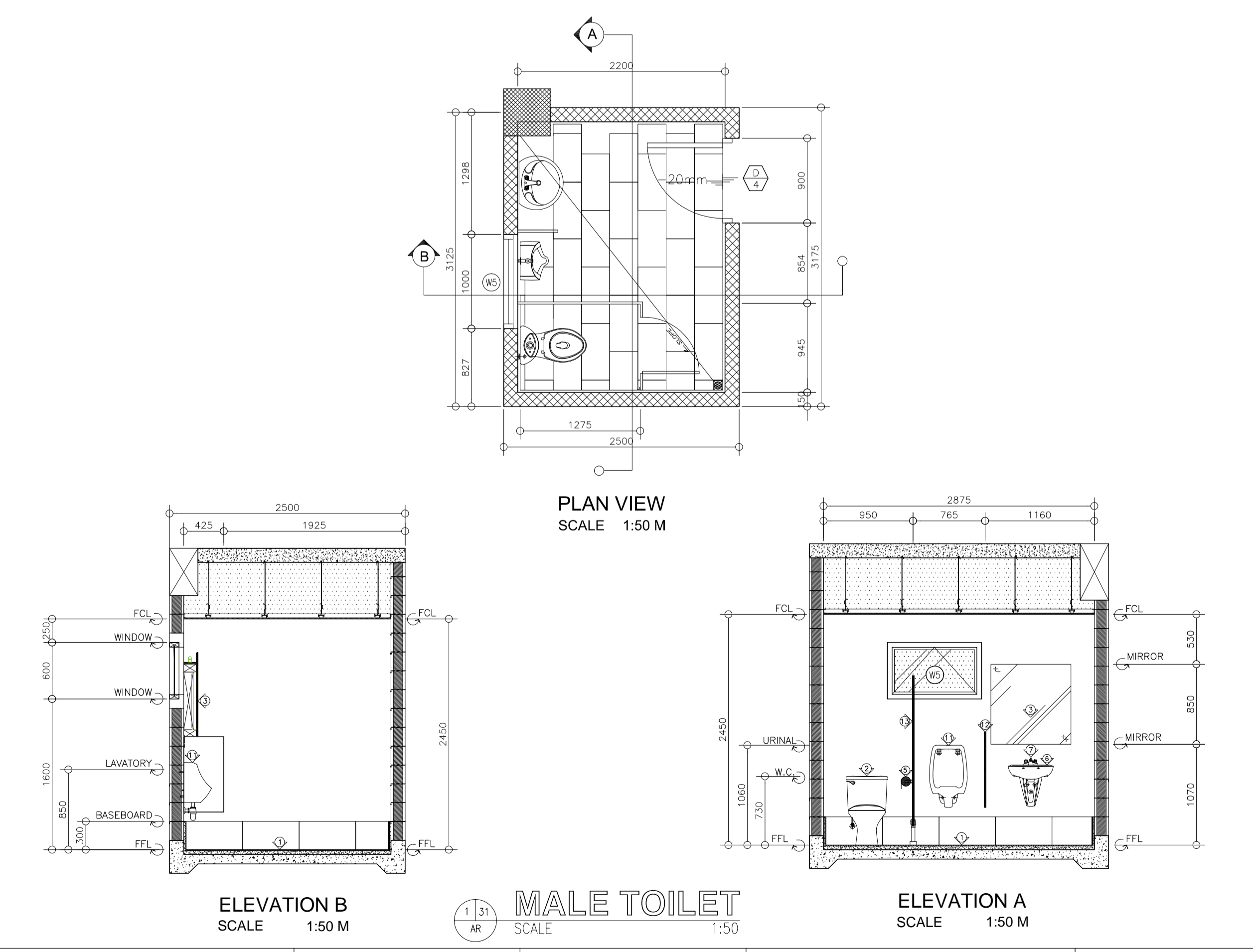
NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9164, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
 THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
 PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO GARCIA PRC NO. 19537 DATE: FEB-08-2021 PTR NO. 124936 DATE: MAY-21-2019 PLACE: CAGAYAN CITY TIN NO. 42791028	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: STAIR 2 DETAILS	SET NO. A	SHEET NO. 30 36
	<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS</p>									



MARK	DESCRIPTION
1	300x600MM HOMOGENOUS TILE (VERIFY DESIGN & SPECS.)
2	WATER CLOSET (VERIFY DESIGN & SPECS.)
3	5MM THK. MIRROR WITH MARINE PLYWOOD BACKING, WITH BACKLIGHT (VERIFY DESIGN & SPECS.)
4	STAINLESS STEEL FLOOR DRAIN (VERIFY DESIGN & SPECS.)
5	SURFACE MOUNT TISSUE HOLDER (VERIFY DESIGN & SPECS.)
6	LAVATORY (VERIFY DESIGN & SPECS.)
7	FAUCET (VERIFY DESIGN & SPECS.)
8	300x600MM HOMOGENOUS TILE (BASEBOARD); 450x1500 300MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY COLOR)
9	300x600MM HOMOGENOUS TILE; 450x1500 1500MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
10	300x600MM HOMOGENOUS TILE; 450x1500 300MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
11	URINAL (VERIFY SPECS.)
12	450MM x 800MM, 12MM THK. PHENOLIC BOARD (VERIFY DESIGN & SPECS.)
13	1525MM x 1600MM, 12MM THK. PHENOLIC BOARD (VERIFY DESIGN & SPECS.)
14	DOOR (VERIFY DESIGN & SPECS.)
15	PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
16	25MM SHADOW LINE
17	DROP CEILING IN 12MM THK. MR GYPSUM BOARD ON METAL FURRING, PAINTED-LATEX FLAT (WHITE) (VERIFY SPECS.)

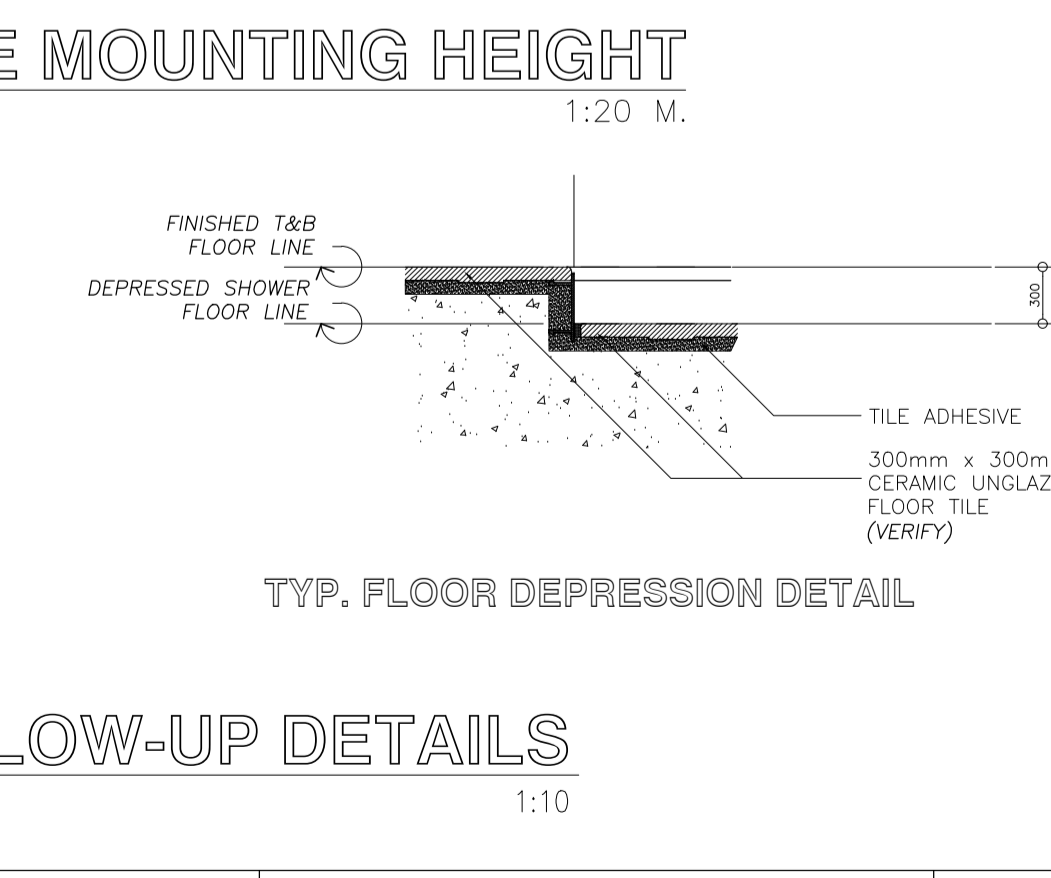
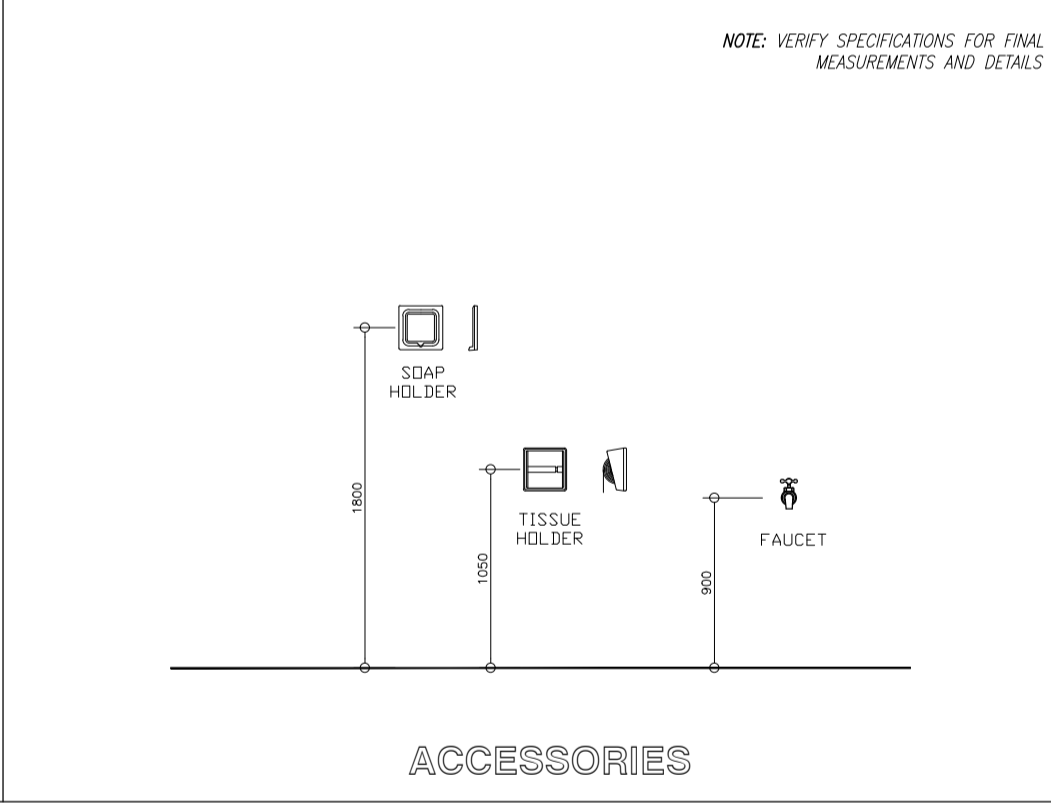
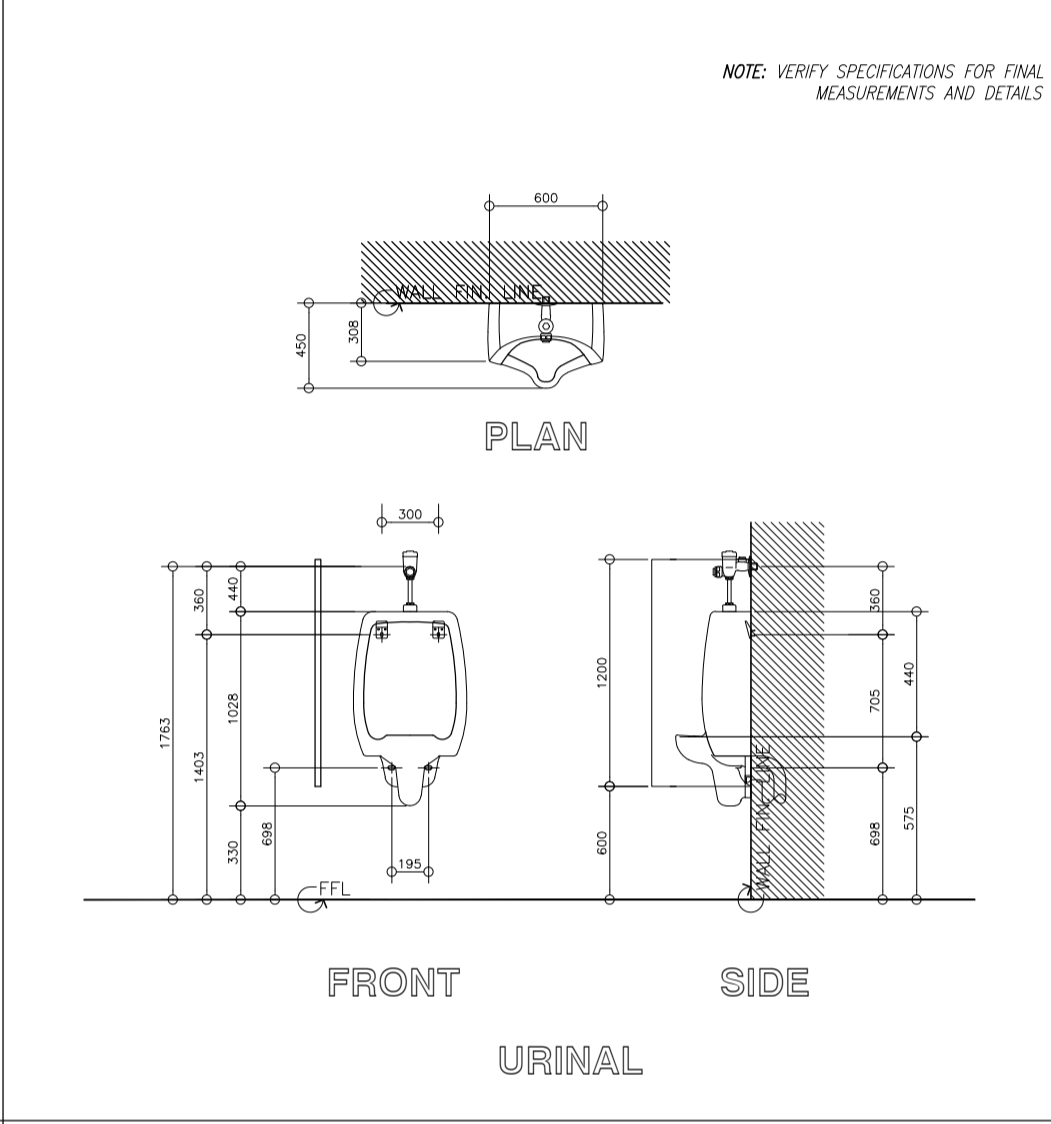
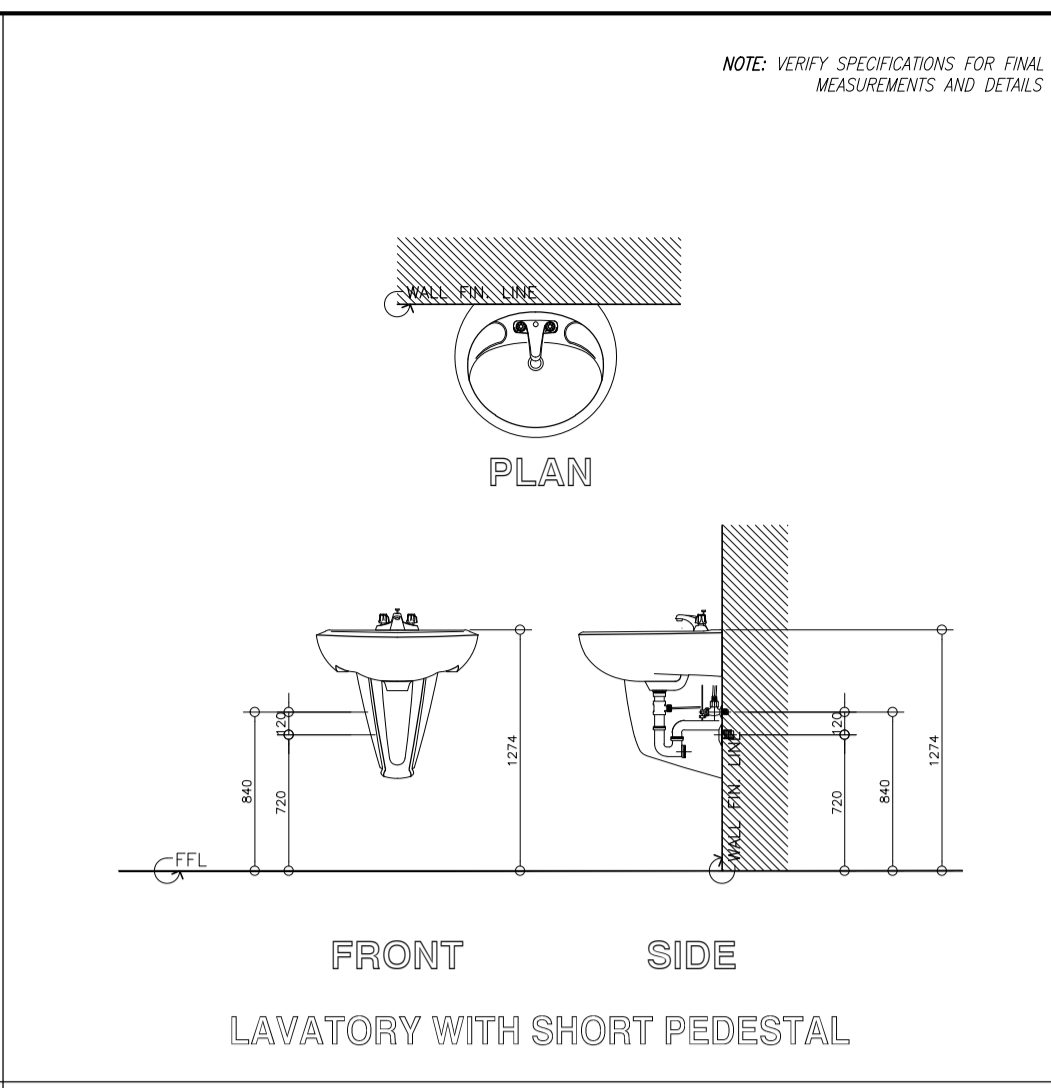
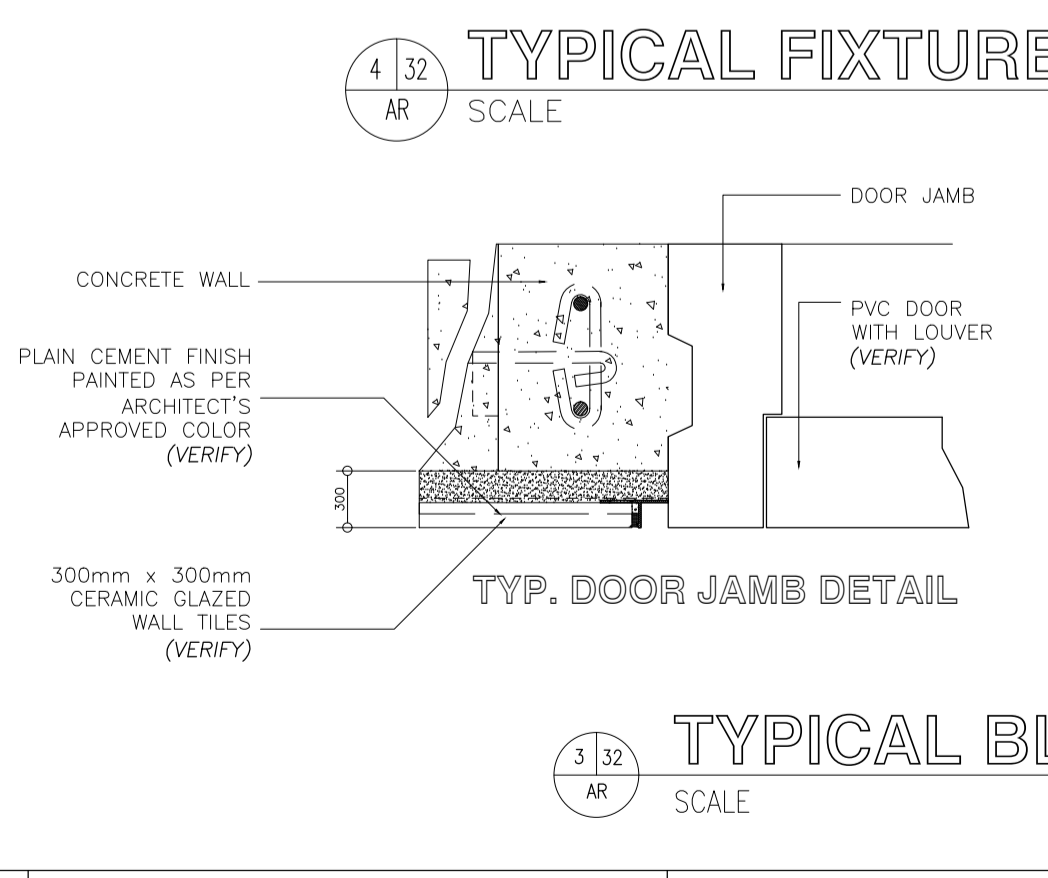
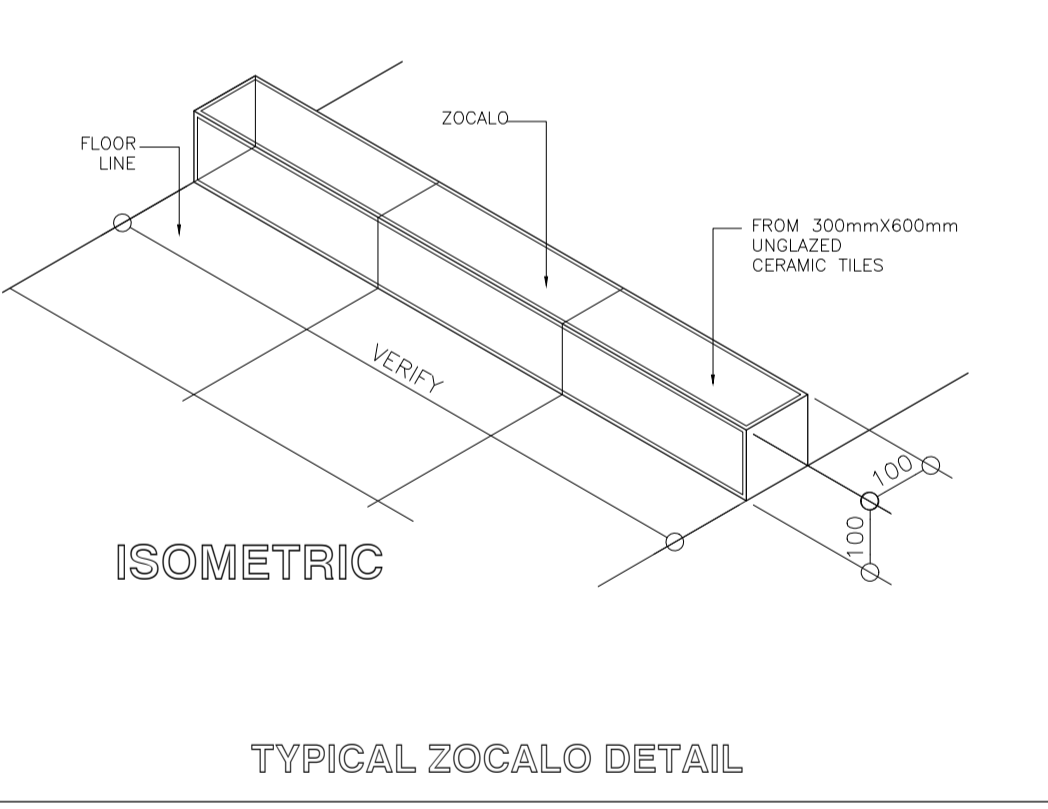
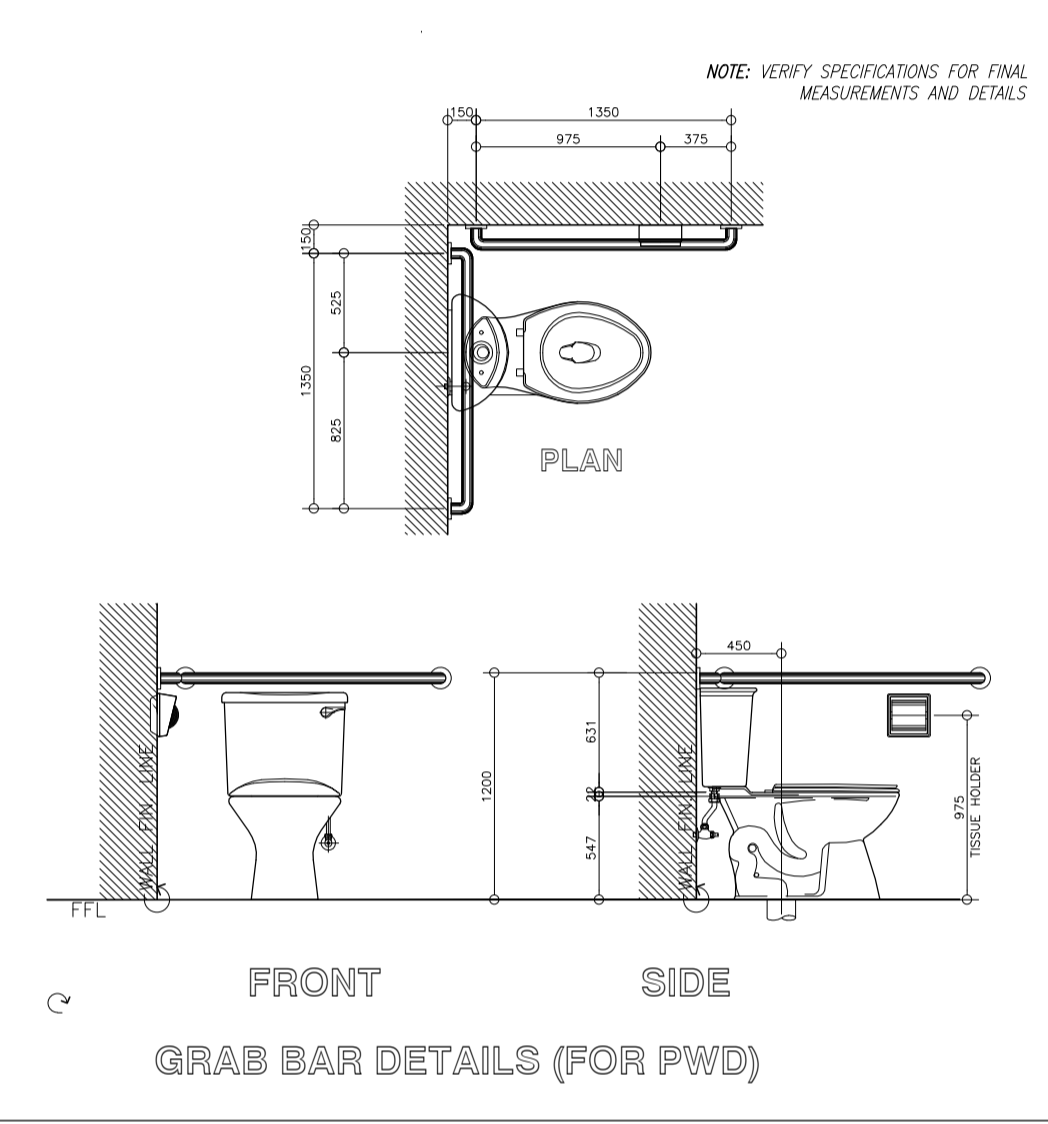
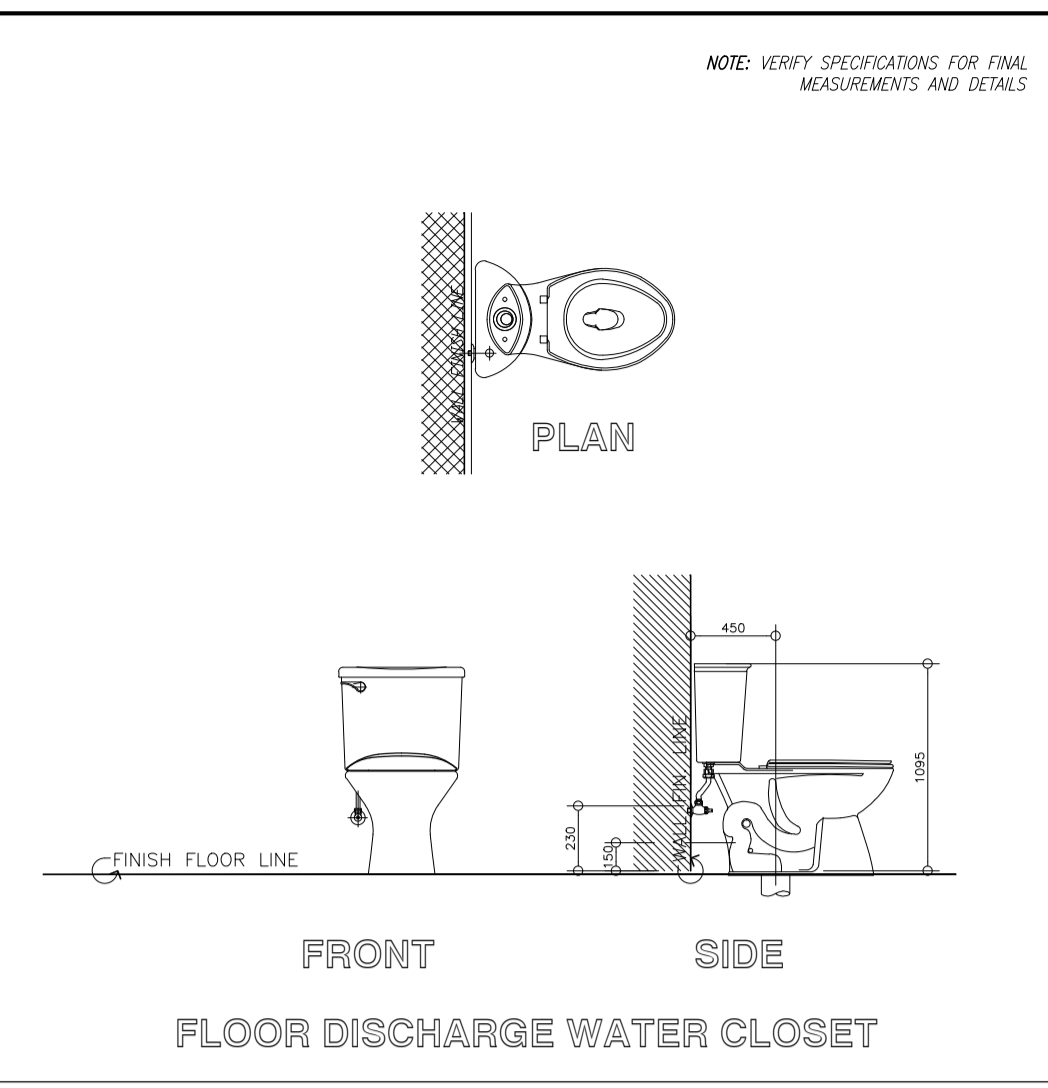
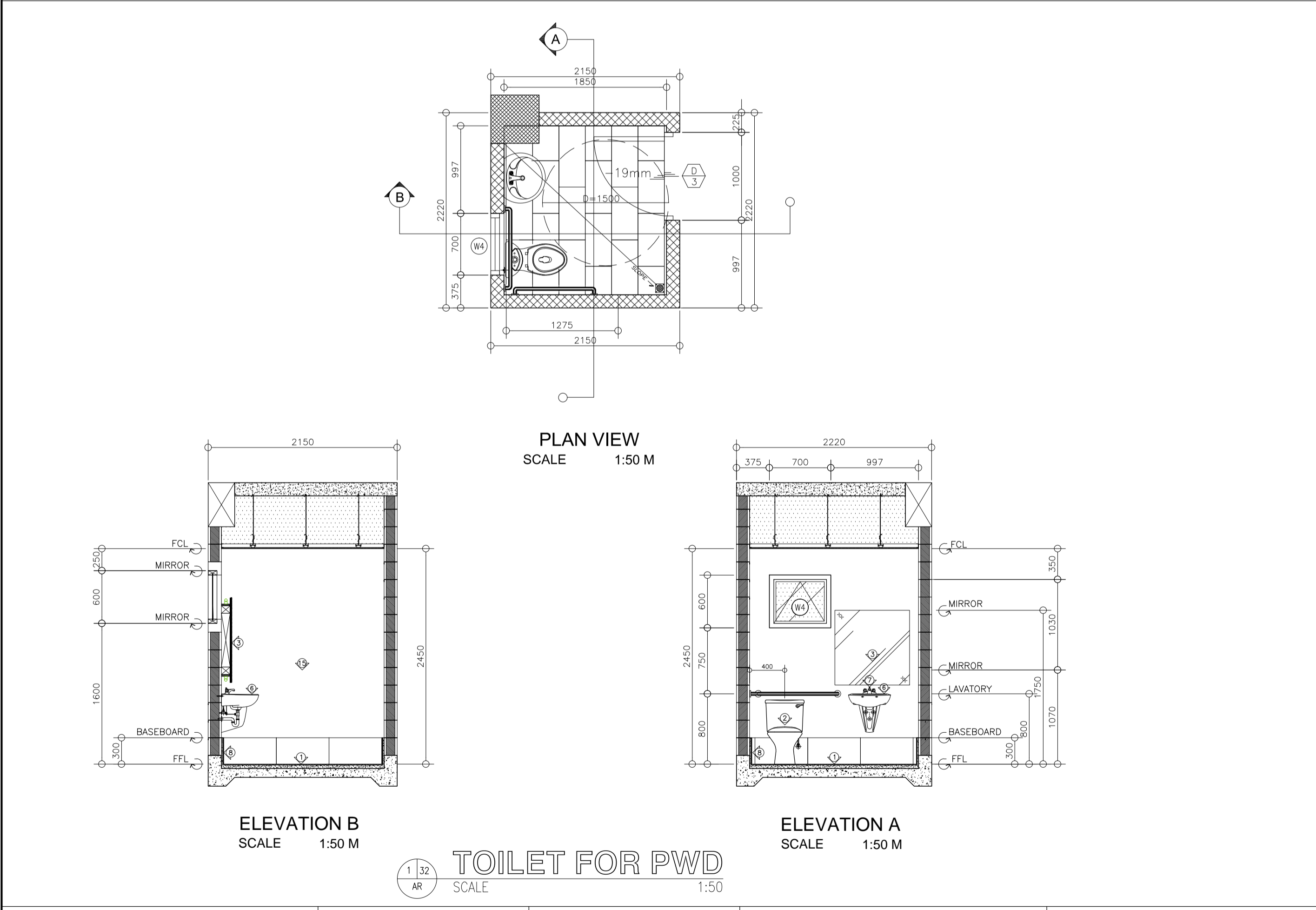
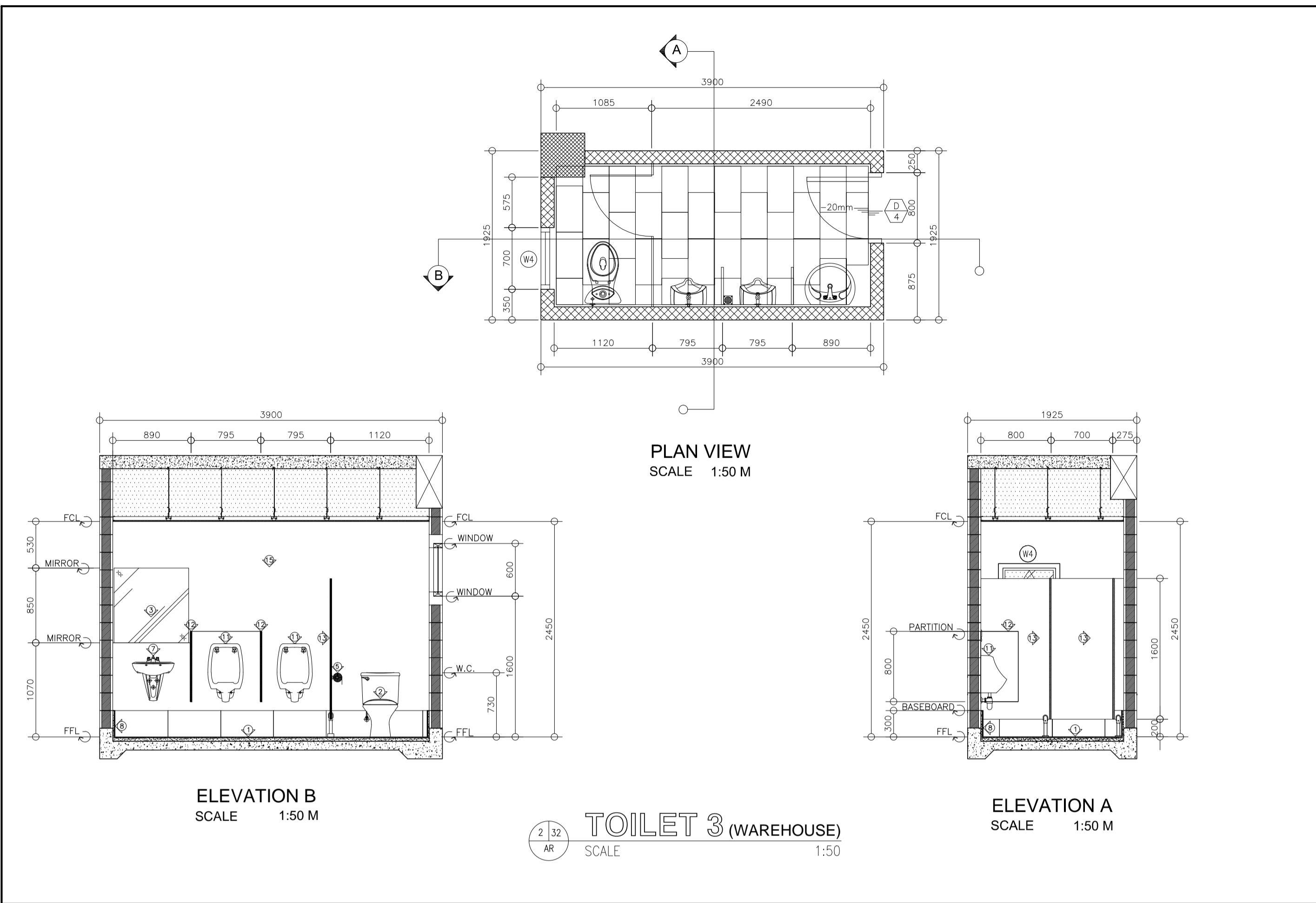


NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS

ELMER T. RAMONEDA
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	ARCHITECT: GODOFREDO H. GARCIA <small>PRC NO. 18537 DATE: FEB-08-2021 PTR NO. 1249395 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427891026</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: TOILET DETAILS Scale 1:50m	SET NO. A	SHEET NO. 31 36
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MARK	DESCRIPTION
1	300x600MM HOMOGENEOUS TILE (VERIFY DESIGN & SPECS.)
2	WATER CLOSET (VERIFY DESIGN & SPECS.)
3	5MM THK. MIRROR WITH MARINE PLYWOOD BACKING, WITH BACKLIGHT (VERIFY DESIGN & SPECS.)
4	STAINLESS STEEL FLOOR DRAIN (VERIFY DESIGN & SPECS.)
5	SURFACE MOUNT TISSUE HOLDER (VERIFY DESIGN & SPECS.)
6	LAVATORY (VERIFY DESIGN & SPECS.)
7	FAUCET (VERIFY DESIGN & SPECS.)
8	300x600MM HOMOGENEOUS TILE (BASEBOARD); 450x600 300MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY COLOR)
9	300x600MM HOMOGENEOUS TILE; 450x600 1500MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
10	300x600MM HOMOGENEOUS TILE; 450x600 300MM PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
11	URINAL (VERIFY SPECS.)
12	450MM x 800MM, 12MM THK. PHENOLIC BOARD (VERIFY DESIGN & SPECS.)
13	1525MM x 1600MM, 12MM THK. PHENOLIC BOARD (VERIFY DESIGN & SPECS.)
14	DOOR (VERIFY DESIGN & SPECS.)
15	PAINTED-LATEX PAINT, SEMI-GLOSS FINISH (VERIFY DESIGN & SPECS.)
16	25MM SHADOW LINE
17	DROP CEILING IN 12MM THK. MR GYPSUM BOARD ON METAL FURRING, PAINTED-LATEX FLAT (WHITE) (VERIFY SPECS.)

URBAN ENGINEERS
CONSULTING CIVIL ENGINEERS
in joint venture with
J.F. CANCIO & Associates
ENGINEERS
PTC Engineers & Associates

ARCHITECT: **GODOLFO E. GARCIA**
SUBMITTED: **ELMER T. RAMONEDA**
PROJECT MANAGER
PRC NO.: 19537 DATE: FEB-08-2021
PTR NO.: 124995 DATE: MAY-21-2019
PLACE: CABANATUAN CITY TIN NO.: 427891026

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL:
(SEE COVER SHEET)
EDWIN C. MATANGUIHAN
OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED:
(SEE COVER SHEET)
EMIL K. SADAIN, CESO I
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

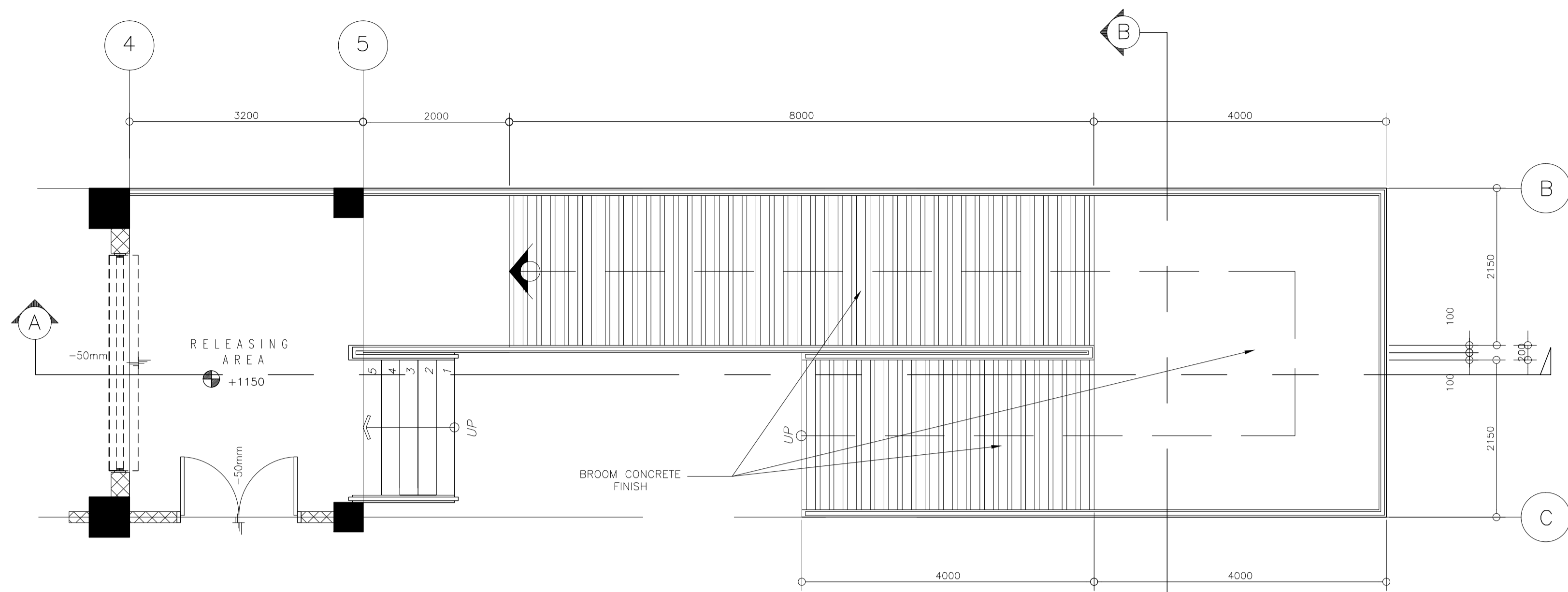
PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
TOILET DETAILS
Scale 1:50m

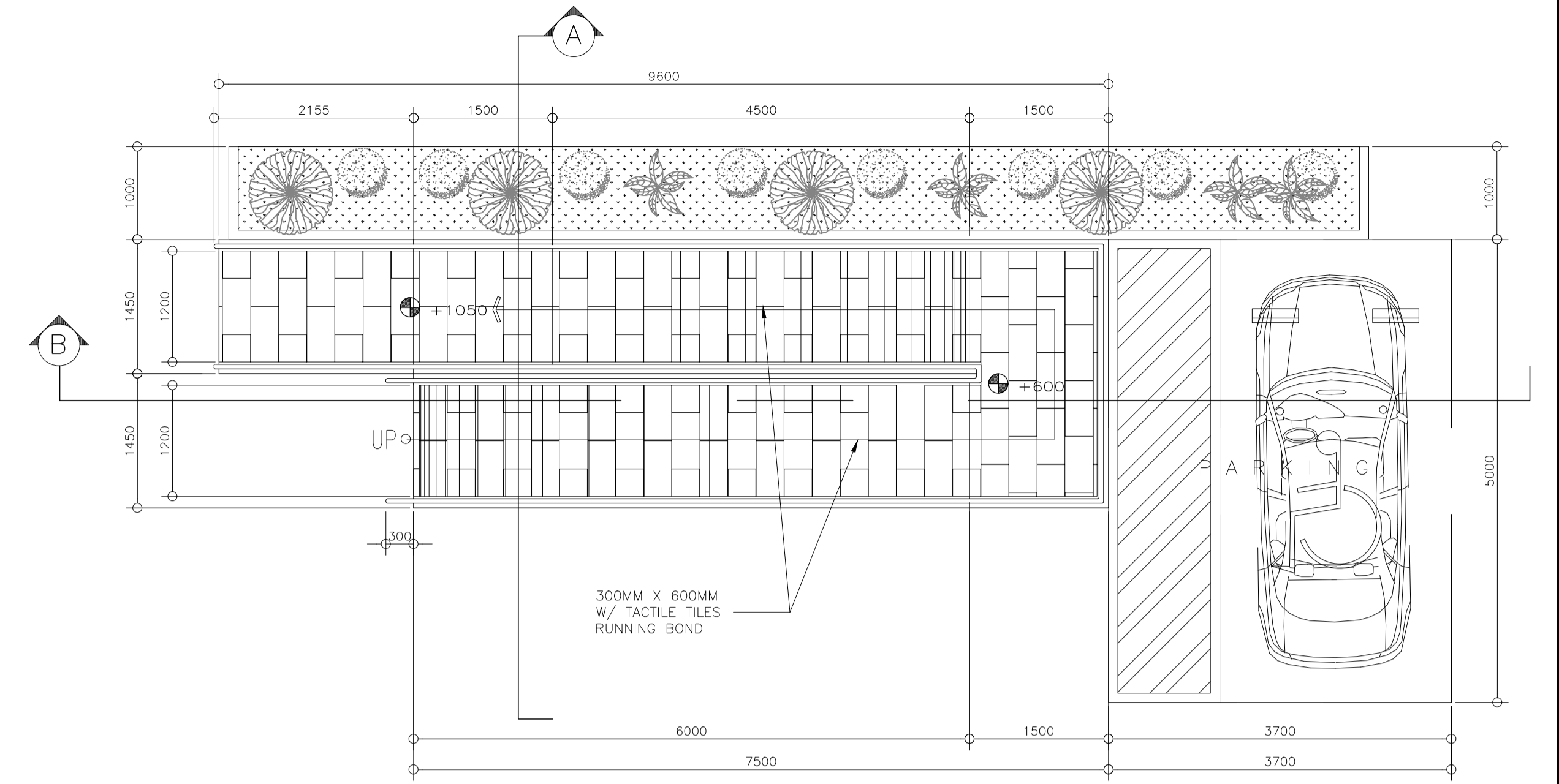
SET NO. **A** SHEET NO. **32**
36

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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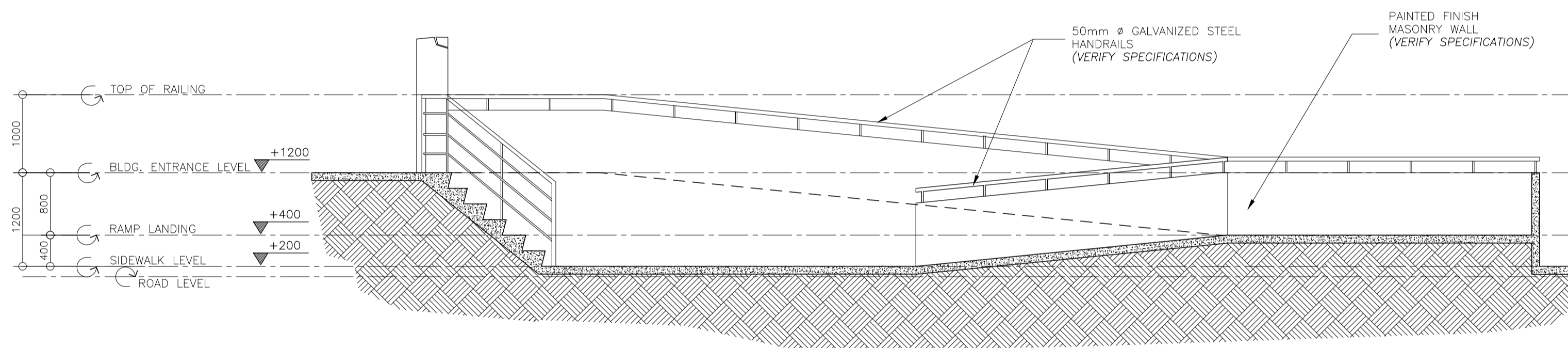
ELMER T. RAMONEDA
PROJECT MANAGER



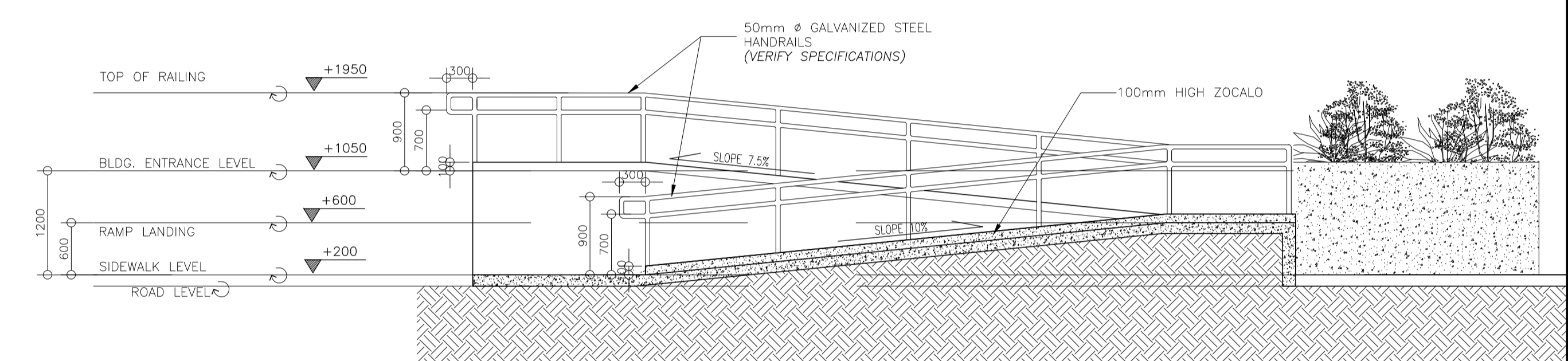
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SCALE 1:50



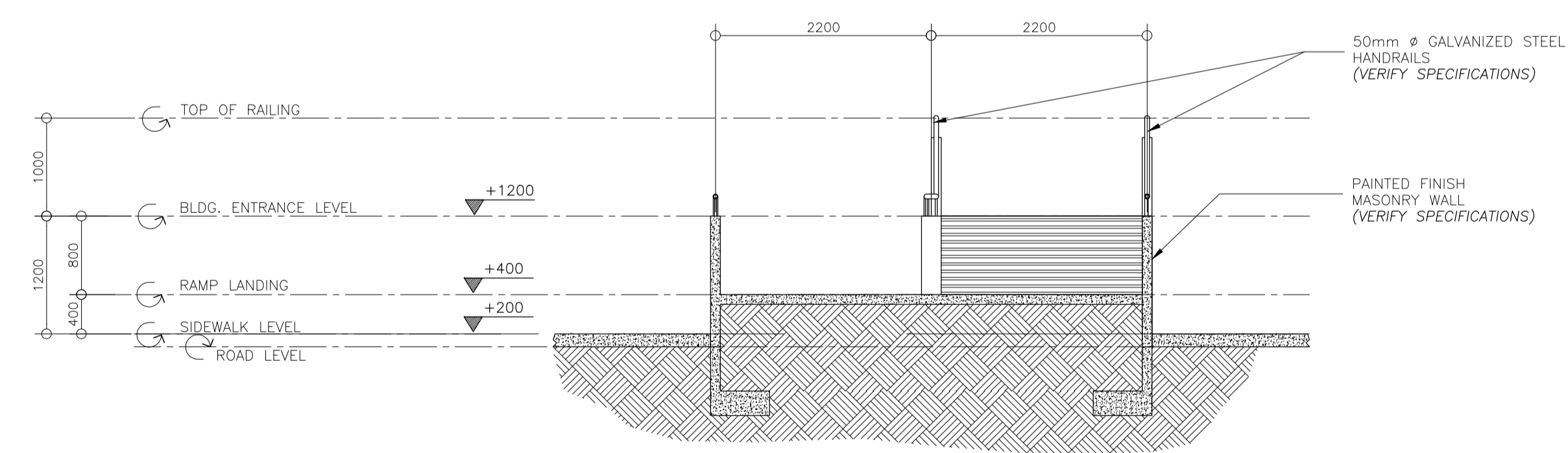
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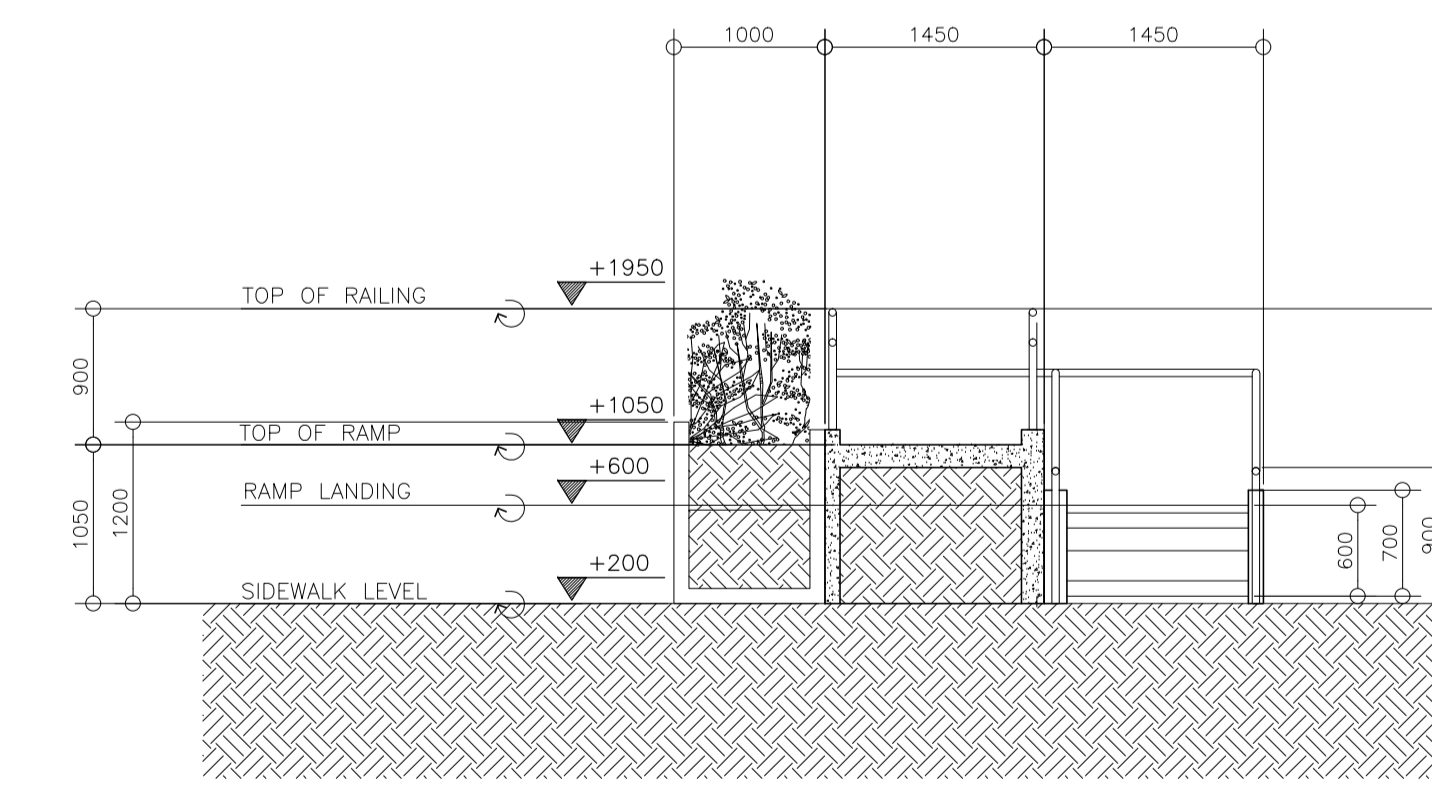
ELEVATION A
SCALE 1:50



ELEVATION B
SCALE 1:50



ELEVATION B
SCALE 1:50



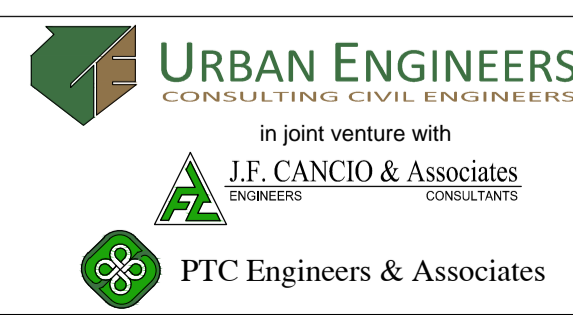
ELEVATION A
SCALE 1:50

1 33 RAMP-2 BLOW-UP PLAN
AR SCALE 1:50

2 33 RAMP 1 BLOW-UP PLAN
AR SCALE 1:50

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
PROJECT MANAGER



ARCHITECT: **GODOFREDO GARCIA**
DATE: FEB-08-2021
PTR NO. 124385
PLACE: CABANATUAN CITY TIN NO. 427991028

SUBMITTED: **ELMER T. RAMONEDA**
PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT: **JOSEPHINE P. ISTRUIS**
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL: **EDWIN C. MATANGUIHAN**
OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED: **EMIL K. SADAIN, CESO I**
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS: RAMP DETAILS Scale 1:50m

SET NO. **A** SHEET NO. **33** / **36**

<p>MARK: W 1</p> <p>TYPE: FRAMELESS GLASS DOOR W/ ALUMINUM FIXED GLASS W/ ALUMINUM AWNING WINDOW (DOUBLE SWING)</p> <p>FRAME: ALUMINUM FRAME</p> <p>DOOR JAMB: -</p> <p>GLAZING: 10mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER-COATED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: LOBBY @ G/F</p> <p>HINGES: PIVOT HINGE</p> <p>HARDWARE: 50mm x 1000mm STAINLESS STEEL HAIRLINE FINISH S/S H-TYPE PULL HANDLE</p>	<p>MARK: D 2</p> <p>TYPE: FRAMELESS GLASS DOOR W/ ALUMINUM FIXED GLASS (DOUBLE SWING)</p> <p>FRAME: ALUMINUM FRAME</p> <p>DOOR JAMB: -</p> <p>GLAZING: 10mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER-COATED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: LOBBY @ G/F</p> <p>HINGES: PIVOT HINGE</p> <p>HARDWARE: 50mm x 1000mm STAINLESS STEEL HAIRLINE FINISH S/S H-TYPE PULL HANDLE</p>	<p>MARK: D 3</p> <p>TYPE: MARINE FLUSH DOOR W/ KICK PLATE (SINGLE SWING)</p> <p>FRAME: K.D. TANGUILE</p> <p>DOOR JAMB: 50mm x 100mm KD. TANGUILE JAMB & HEADER</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: PWD TOILET</p> <p>HINGES: 4-3 1/2" X 3 1/2" PLAIN BEARING HINGE</p> <p>HARDWARE: PUSH & PULL PLATE W/ DEAD BOLT LOCK KICK PLATE, STAIN STAINLESS FINISH</p>	<p>MARK: D 4</p> <p>TYPE: MARINE FLUSH DOOR (SINGLE SWING)</p> <p>FRAME: K.D. TANGUILE</p> <p>DOOR JAMB: 50mm x 100mm KD. TANGUILE JAMB & HEADER</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 4 SETS (VERIFY QUANTITY)</p> <p>LOCATION: RESTROOMS @ GF (3), MEZZANINE (1)</p> <p>HINGES: 4-3 1/2" X 3 1/2" LOOSE BUILT HINGE</p> <p>HARDWARE: CYLINDRICAL LOCKSET LEVER TYPE PRIVACY LOCK SATIN STAINLESS FINISH</p>	<p>MARK: D 5</p> <p>TYPE: WOODEN FLUSH DOOR (SINGLE SWING)</p> <p>FRAME: K.D. TANGUILE</p> <p>DOOR JAMB: 50mm x 100mm KD. TANGUILE JAMB & HEADER</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 3 SETS (VERIFY QUANTITY)</p> <p>LOCATION: ADMIN OFFICE @ LG/F</p> <p>HINGES: 4-3 1/2" X 3 1/2" PLAIN BEARING HINGE</p> <p>HARDWARE: CYLINDRICAL LOCKSET LEVER TYPE ENTRANCE LOCK SATIN STAINLESS FINISH</p>	<p>MARK: D 6</p> <p>TYPE: METAL FLUSH DOOR (SINGLE SWING)</p> <p>FRAME: GA. 18 METAL DOOR</p> <p>DOOR JAMB: 50mm x 100mm GA. 14 METAL</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 8 SETS (VERIFY QUANTITY)</p> <p>LOCATION: UTILITY ROOM 2 @GF, 2 @MEZZ, 2 @2ND FLR, 2 @RD</p> <p>HINGES: 4-4"x4" PLAIN BEARING HINGE</p> <p>HARDWARE: CYLINDRICAL LOCKSET LEVER TYPE ENTRANCE LOCK SATIN STAINLESS FINISH</p>	<p>MARK: D 7</p> <p>TYPE: PVC DOOR W/ LOUVER</p> <p>FRAME: PVC</p> <p>DOOR JAMB: PVC</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 2 SETS (VERIFY QUANTITY)</p> <p>LOCATION: TOILET ROOM 1 @ GF WAREHOUSE, 1 @ 2ND FLR</p> <p>HINGES: AS PER MANUFACTURER SPECS</p> <p>HARDWARE: CYLINDRICAL LOCKSET PRIVACY LOCK KNOB TYPE SATIN STAINLESS FINISH</p>
<p>MARK: D 8</p> <p>TYPE: FRAMELESS GLASS DOOR W/ ALUMINUM FIXED GLASS W/ ALUMINUM AWNING WINDOW (DOUBLE SWING)</p> <p>FRAME: ALUMINUM FRAME</p> <p>DOOR JAMB: -</p> <p>GLAZING: 10mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER-COATED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: LOBBY @ G/F</p> <p>HINGES: PIVOT HINGE</p> <p>HARDWARE: 50mm x 1000mm STAINLESS STEEL HAIRLINE FINISH S/S H-TYPE PULL HANDLE</p>	<p>MARK: D 9</p> <p>TYPE: METAL DOOR WITH STORM LOUVER (DOUBLE SWING)</p> <p>FRAME: GA. 18 METAL DOOR</p> <p>DOOR JAMB: -</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: STORAGE ROOM @ G/F</p> <p>HINGES: 4-4"x4" PLAIN BEARING HINGE</p> <p>HARDWARE: CYLINDRICAL LOCKSET, ENTRANCE LOCK LEVER-TYPE SATIN STAINLESS FINISH, W/ FLUSH BOLT</p>	<p>MARK: D 10</p> <p>TYPE: WOOD PANEL DOOR (SINGLE SWING)</p> <p>FRAME: K.D. TANGUILE</p> <p>DOOR JAMB: 50mm x 100mm KD. TANGUILE JAMB & HEADER</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 2 SETS (VERIFY QUANTITY)</p> <p>LOCATION: ADMIN OFFICE @ MEZZANINE</p> <p>HINGES: 4-3 1/2" X 3 1/2" PLAIN BEARING HINGE</p> <p>HARDWARE: CYLINDRICAL LEVER TYPE LOCKSET ENTRANCE LOCK SATIN STAINLESS FINISH</p>	<p>MARK: D 11</p> <p>TYPE: WOODEN FLUSH DOOR (DOUBLE SWING)</p> <p>FRAME: K.D. TANGUILE</p> <p>DOOR JAMB: 50mm x 100mm KD. TANGUILE JAMB & HEADER</p> <p>GLAZING: -</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 2 SETS (VERIFY QUANTITY)</p> <p>LOCATION: WAREHOUSE STORAGE @ 2ND FLOOR</p> <p>HINGES: 4-3 1/2" X 3 1/2" PLAIN BEARING HINGE</p> <p>HARDWARE: CYLINDRICAL LEVER TYPE LOCKSET ENTRANCE LOCK SATIN STAINLESS FINISH</p>	<p>MARK: D 12</p> <p>TYPE: METAL FLUSH DOOR (1 1/2 HR FIRE RATING)</p> <p>FRAME: 45mm THK. GA. 18</p> <p>DOOR JAMB: 50mm x 100MM GA. 14, METAL</p> <p>GLAZING: 6MM THK. WIRED GLASS</p> <p>FINISH: PAINTED FINISH</p> <p>QUANTITY: 6 SETS (VERIFY QUANTITY)</p> <p>LOCATION: FIRE EXITS</p> <p>HINGES: 4-4"x4" PLAIN BEARING HINGE S/S FINISH</p> <p>HARDWARE: PANIC EXIT DEVICE W/ TRIM, DOOR CLOSER W/ HOLD OPEN FEATURE</p>	<p>MARK: W 2</p> <p>TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 8mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 4 SETS (VERIFY QUANTITY)</p> <p>LOCATION: STORE</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>	
<p>MARK: W 2A</p> <p>TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 8mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 1 SET (VERIFY QUANTITY)</p> <p>LOCATION: MEZZANINE FLOOR WAITING AREA</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>	<p>MARK: W 3</p> <p>TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 8mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 12 SETS (VERIFY QUANTITY)</p> <p>LOCATION: LOBBY & OFFICE</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>	<p>MARK: W 3A</p> <p>TYPE: ALUMINUM FRAMED WINDOW W/ FIXED GLASS PANELS</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 8mm THK. TINTED TEMPERED GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 2 SETS (VERIFY QUANTITY)</p> <p>LOCATION: STORE COUNTER</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>	<p>MARK: W 4</p> <p>TYPE: ALUMINUM FRAMED WINDOW W/ FIXED GLASS PANELS</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 6mm THK. CLEAR FLOAT GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 6 SETS (VERIFY QUANTITY)</p> <p>LOCATION: PWD TOILET @ G/F, TOILET @ OFFICE, PANTRY, TOILET 2ND FL</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>	<p>MARK: W 5</p> <p>TYPE: ALUMINUM AWNING WINDOW</p> <p>FRAME: ALUMINUM FRAME</p> <p>GLAZING: 6mm THK. CLEAR FLOAT GLASS</p> <p>FINISH: POWDER COATED FINISH</p> <p>QUANTITY: 2 SETS (VERIFY QUANTITY)</p> <p>LOCATION: TOILET ROOMS</p> <p>HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS</p>		

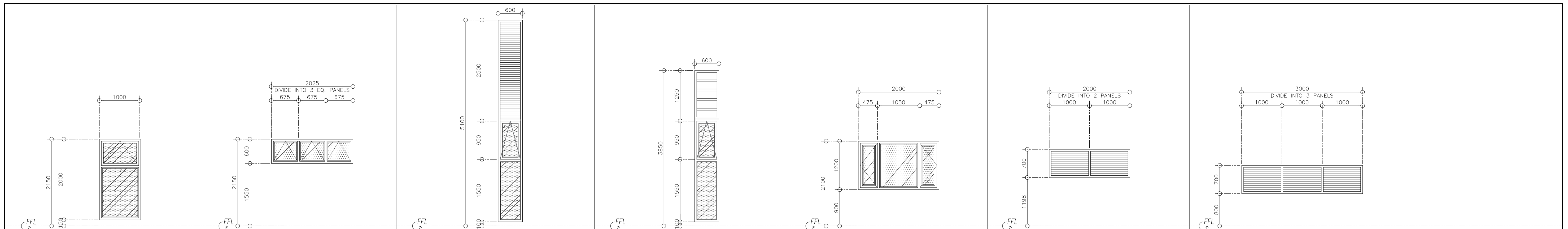
1 34 SCHEDULE OF DOORS AND WINDOWS
AR SCALE 1:50MTS

NOTE:

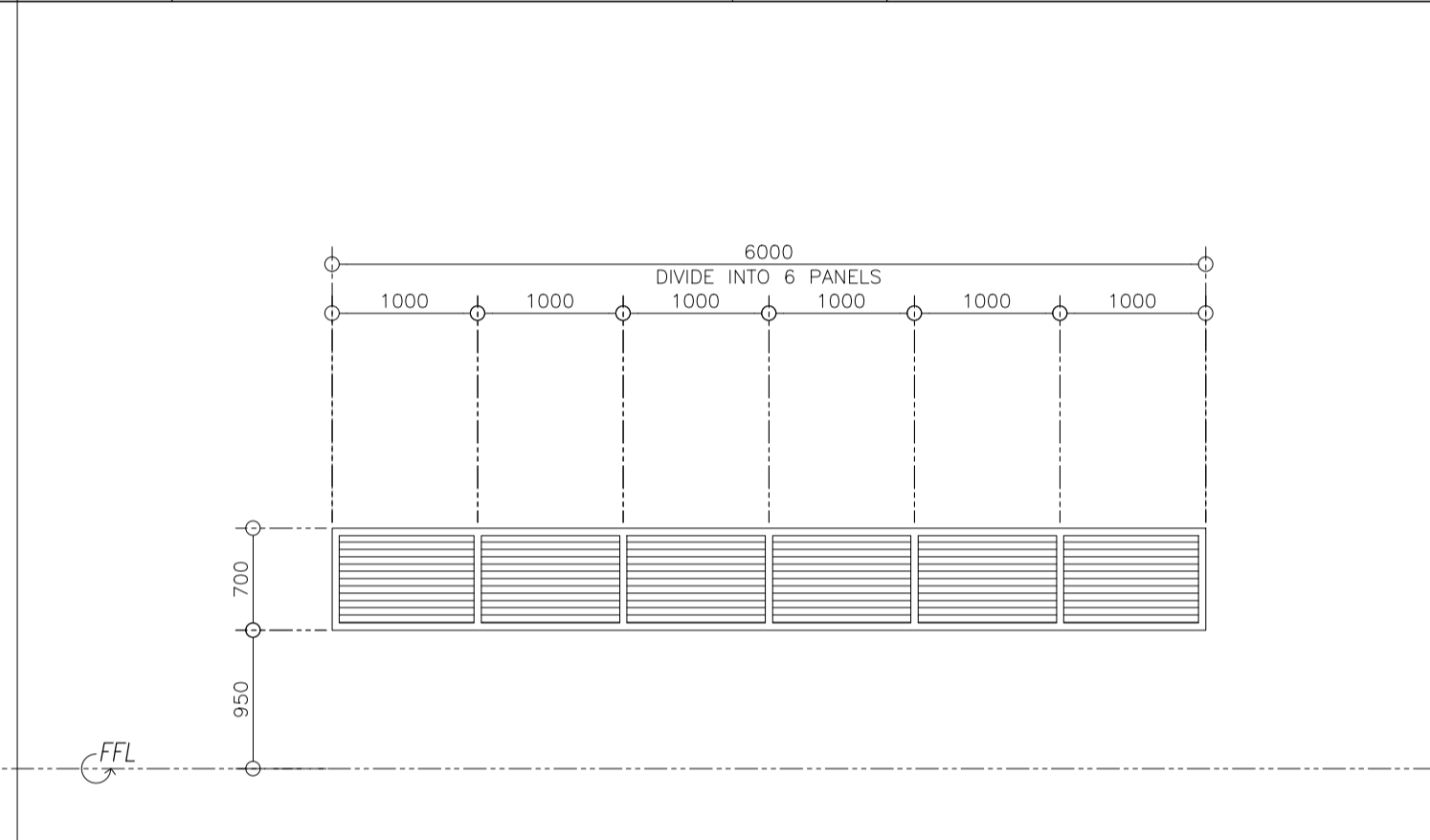
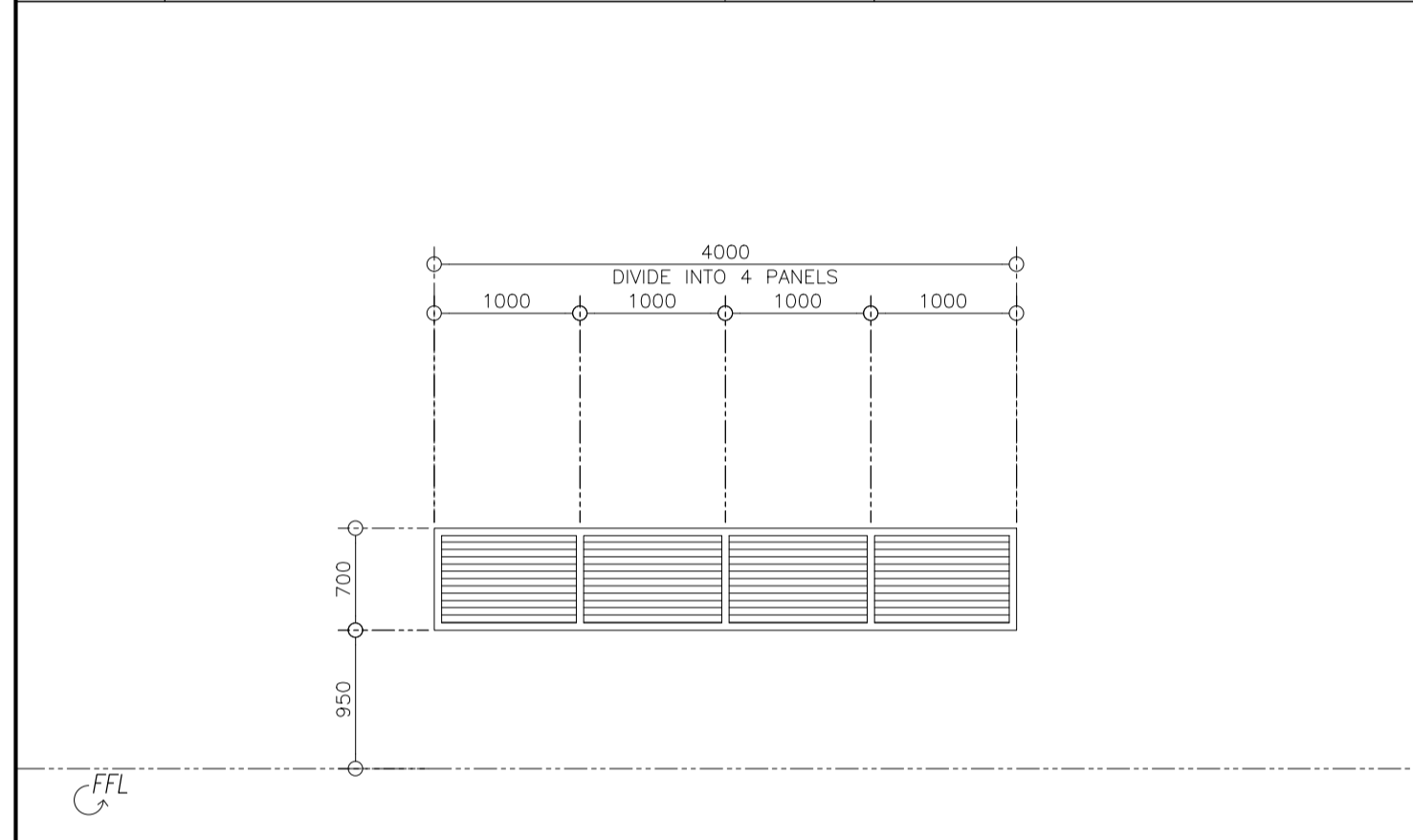
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ELMER T. RAMONEDA
 PROJECT MANAGER

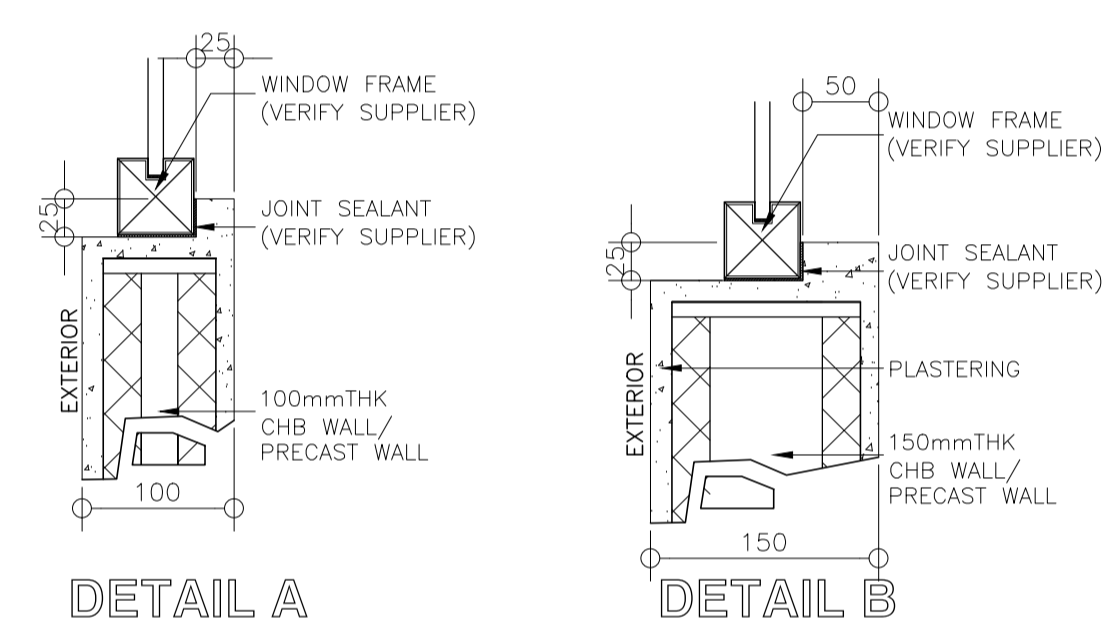


MARK: W 6	TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS	MARK: W 7	TYPE: ALUMINUM AWNING WINDOW	MARK: W 9	TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS W/ STORM LOUVER	MARK: W 9A	TYPE: ALUMINUM AWNING WINDOW W/ FIXED GLASS PANELS W/ SAND TRAP LOUVER	MARK: W 10	TYPE: ALUMINUM FIXED LOUVER WINDOW	MARK: W 11	TYPE: ALUMINUM FIXED LOUVER WINDOW	MARK: W 12	TYPE: ALUMINUM FIXED LOUVER WINDOW
FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME
GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. CLEAR FLOAT GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS	GLAZING: 8mm THK. TINTED TEMPERED GLASS
FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH
QUANTITY: 2 SETS (VERIFY QUANTITY)	QUANTITY: 4 SETS (VERIFY QUANTITY)	QUANTITY: 12 SETS (VERIFY QUANTITY)	QUANTITY: 18 SETS (VERIFY QUANTITY)	QUANTITY: 1 SET (VERIFY QUANTITY)	QUANTITY: 5 SETS (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)	QUANTITY: 5 SETS (VERIFY QUANTITY)	QUANTITY: 1 SET (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)	QUANTITY: 3 SETS (VERIFY QUANTITY)
LOCATION: STAFF'S QUARTER	LOCATION: STAIR 2	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: CONFERENCE ROOM	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: LOADING/UNLOADING AREA	LOCATION: LOADING/UNLOADING AREA
HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS

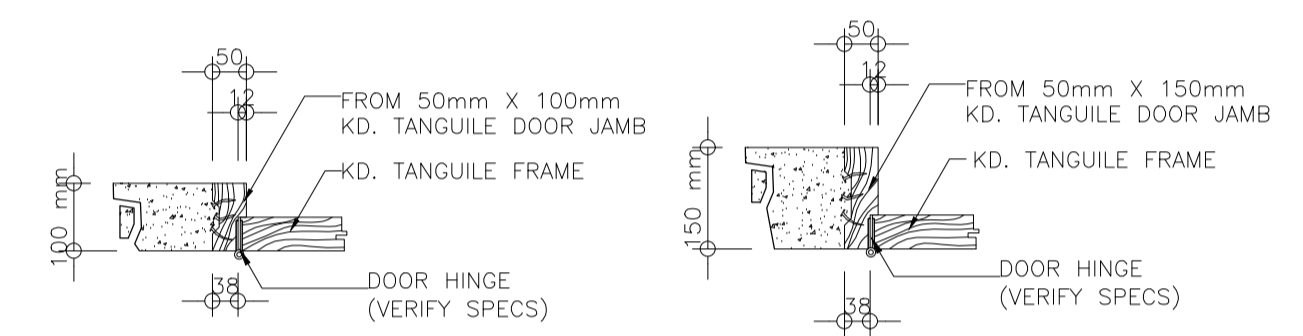


MARK: W 13	TYPE: ALUMINUM FIXED LOUVER WINDOW
FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME
FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH
QUANTITY: 2 SETS (VERIFY QUANTITY)	QUANTITY: 1 SET (VERIFY QUANTITY)
LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR
HINGES: AS PER MANUFACTURER'S SPECIFICATIONS	HINGES: AS PER MANUFACTURER'S SPECIFICATIONS
HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS

MARK: W 14	TYPE: ALUMINUM FIXED LOUVER WINDOW
FRAME: ALUMINUM FRAME	FRAME: ALUMINUM FRAME
FINISH: POWDER COATED FINISH	FINISH: POWDER COATED FINISH
QUANTITY: 1 SET (VERIFY QUANTITY)	QUANTITY: 1 SET (VERIFY QUANTITY)
LOCATION: WAREHOUSE @ 2ND FLOOR	LOCATION: WAREHOUSE @ 2ND FLOOR
HINGES: AS PER MANUFACTURER'S SPECIFICATIONS	HINGES: AS PER MANUFACTURER'S SPECIFICATIONS
HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS	HARDWARE: AS PER MANUFACTURER'S SPECIFICATIONS



2 | 35 WINDOW SILL DETAIL
SCALE 1:5 M.



3 | 35 DOOR JAMB DETAIL
SCALE 1:5 M.

GENERAL NOTES:
 1. ANY DISCREPANCY FOUND IN THE DRAWING THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY
 2. VERIFY MANUFACTURER FOR GLASS THICKNESS

1 | 35 SCHEDULE OF DOORS AND WINDOWS
SCALE 1:50M

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
 THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
PROJECT MANAGER

 in joint venture with PTC Engineers & Associates	ARCHITECT:	SUBMITTED:	 BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT:	RECOMMENDING APPROVAL:	APPROVED:	PROJECT & LOCATION:	SHEET CONTENTS:	SET NO.	SHEET NO.
	GODOPEA GARCIA PRC NO. 18537 DATE: FEB-08-2021 PTR NO. 1240385 DATE: MAY-21-2019 PLACE: CABANATUAN CITY TIN NO. 427991026	 ELMER T. RAMONEDA PROJECT MANAGER		 JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	(SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	(SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	DOORS AND WINDOWS SCHEDULE	A	35 36

GENERAL CONSTRUCTION NOTES

GENERAL NOTES

- IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN AND DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
- IN REFERENCE IN THE OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTITIONS, LOCATION OF DRAINS ETC.
- IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS, AND ELEVATIONS BETWEEN THE STRUCTURAL PLANS, AND ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY BOTH THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- ALL CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE ACI. 318 95 BUILDING CODE REQUIREMENTS FOR REINFORCEMENT CONCRETE AND ALL STRUCTURAL STEEL WORK ACCORDING WITH AISC SPECIFICATION (9TH EDITION) IN SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.
- ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND ASTM TO AMERICAN SOCIETY FOR TESTING MATERIALS.
- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENTS, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- ALL RESULTS OF MATERIAL TESTING FOR CONCRETE, REINFORCING BARS, & STRUCTURAL STEEL MUST BE NOTED AND APPROVED BY THE STRUCTURAL DESIGNER.
- USE OF NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 2015, SEVENTH EDITION.

NOTES ON CONCRETE MIXES & PLACING

- ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX. SLUMP
ALL OTHERS, INCLUDING SUSPENDED SLABS	4000 PSI (27.6 MPa)	20mm	100mm
COLUMNS	4000 PSI (27.6 MPa)	20mm	100mm
BEAMS, SLABS	4000 PSI (27.6 MPa)	20mm	100mm
SLAB ON FILL	2500 PSI (17.5 MPa)	20mm	100mm

- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	20MM
SLAB ON GRADE	40MM
WALLS ABOVE GRADE	25MM
BEAMS STIRRUPS AND COLUMN TIES	40MM
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORM	50MM
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	75MM

- CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUEGGIES, BUCKETS OR WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.
- NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.
- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERT, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
- ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
- STRIPPING OF FORMS AND SHORES:

FOUNDATION	24HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8DAYS
WALLS	21DAYS
BEAMS	14DAYS
COLUMNS	21DAYS

- THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORING UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTE:
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ELMER T. RAMONEDA
PROJECT MANAGER

NOTES ON FOOTING

FOOTING ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 120 KPA (2500 psf). CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.

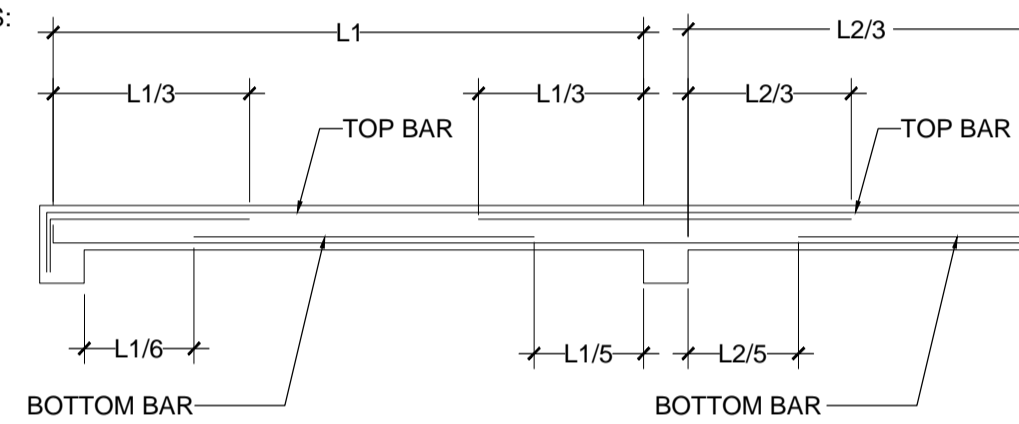
- FOOTING SHALL REST AT LEAST 150MM BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST IN FILL.
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENTS SHALL BE 75MM CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50MM FOR CONCRETE DEPOSITED AGAINST A FORMWORK.

NOTES ON REINFORCEMENT

- UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:
 - a. FOOTINGS BEAMS AND GIRDERS $f_y=414$ MPa
 - b. COLUMNS AND SHEAR WALLS $f_y=414$ MPa
 - c. BEAMS AND GIRDER $f_y=414$ MPa
 - d. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR AND ROOF SLABS, PARAPETS, CATCH BASIN, SIDEWALK. $f_y=276$ MPa
- ALL REINFORCING BAR SIZE 10MM OR LARGER SHALL DEFORMED IN ACCORDANCE WITH ASTM A 706. BARS SMALLER THAN 10MM MAY BE PAIN.
- SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE A & TABLE B (TABLE OF LAP SPLICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON CONCRETE SLABS

- ALL SLAB REINFORCEMENTS SHALL BE 20MM CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
- UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:



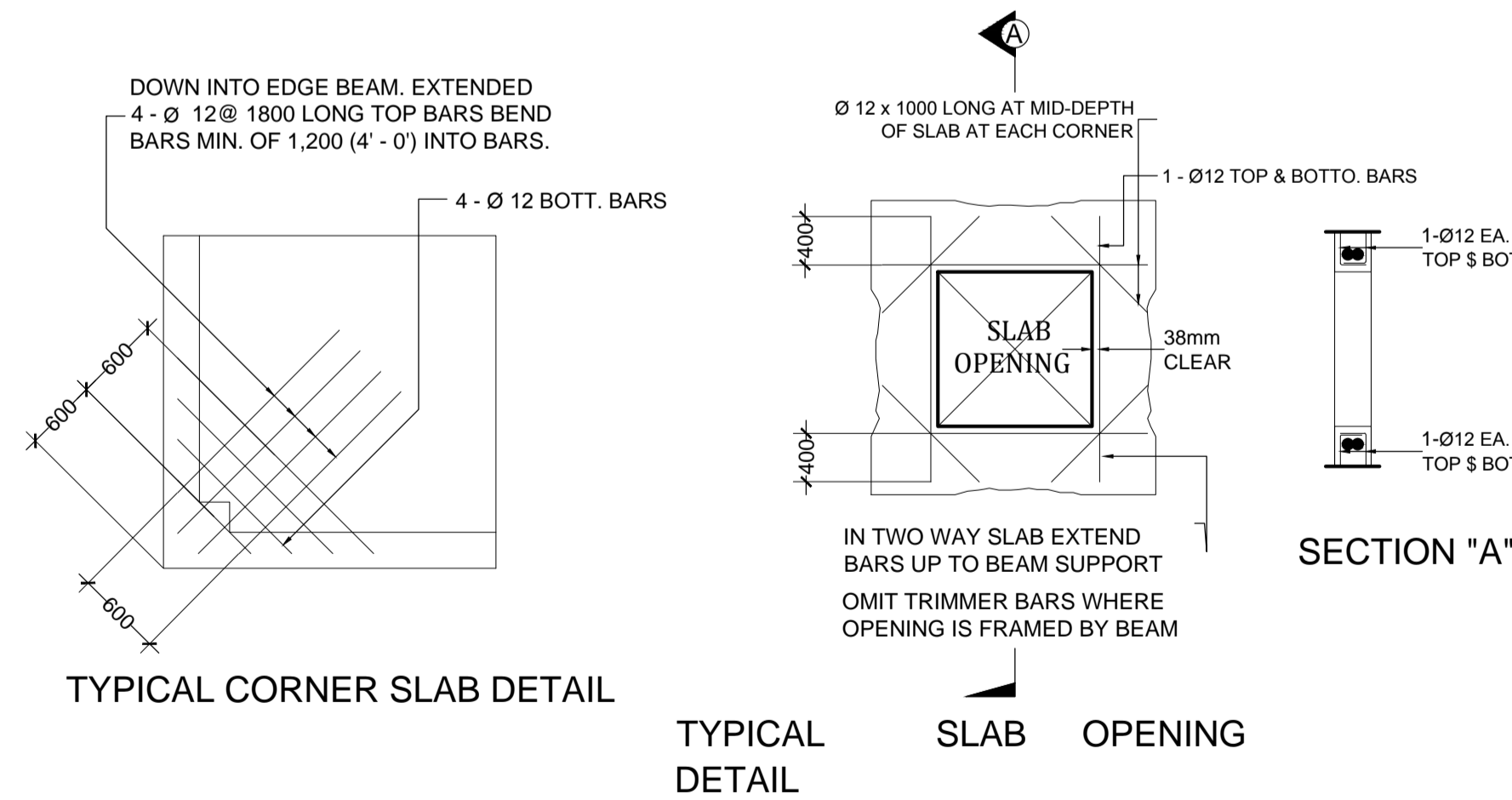
TYPICAL BAR BENDING AND CUTTING DETAILS FOR SLABS

- IF SLABS ARE REINFORCED BOTH WAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 1/2) SLAB THICKNESS.
- TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACE NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS CROSS-SECTIONAL AREA (AG) OF THE SLAB (SEE SCHEDULE BELOW)

SCHEDULE OF MINIMUM SLAB REINFORCEMENT

THICKNESS	MINIMUM TEMPERATURE BARS
100 mm	10 mm ϕ @ 250 EACH WAY
125 mm	10 mm ϕ @ 225 EACH WAY
150 mm	10 mm ϕ @ 185 EACH WAY
175 mm	10 mm ϕ @ 150 EACH WAY
200 mm	10 mm ϕ @ 140 EACH WAY

- UNLESS OTHERWISE NOTED IN THE PLANS ALL BEDDED SLABS SHALL BE REINFORCED WITH 10MM ϕ AT 250 O.C EACH WAY TO CENTER OF SLAB AND CONSTRUCTION JOINTS FOR SAME SHALL BE LESS THAN 3.65 METER APART
- PROVIDE EXTRA REINFORCEMENTS FOR CORNER SLAB (TWO ADJACENT DISCONTINUOUS EDGES) AS SHOWN BELOW.
- CONCRETE SLAB REINFORCEMENTS SHALL BE PROPERLY SUPPORTED WITH 10 ϕ STEEL CHAIR OR APPROVED EQUIVALENT SPACED AT 1.0 METER ON CENTER BOTHWAYS.

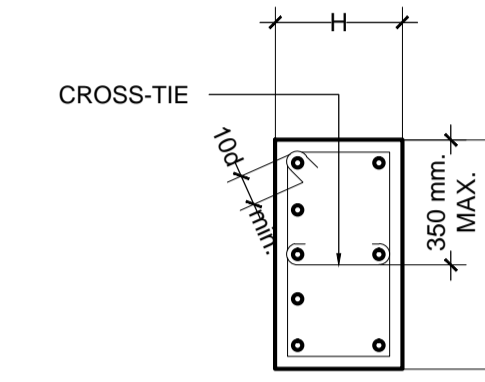


TYPICAL CORNER SLAB DETAIL

TYPICAL SLAB OPENING DETAIL

NOTES ON COLUMNS

- PROVIDE EXTRA SETS OF TIES AT 100MM O.C. FOR THE TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO THE GREATER OF OVERALL THICKNESS OF COLUMN, 1/6 THE CLEAR HEIGHT OF COLUMN OR 450MM.
- COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH THE MINIMUM THICKNESS OF 40MM AND NOT LESS THAN 40 TIMES MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETRES.
- WHERE COLUMN CHANGE IN SIZE, VERTICAL REINFORCEMENTS SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1 IN 6 AND EXTRA 10MM TIES AT 100MM SHALL BE PROVIDED THRU OUT THE OFFSET REGION.
- UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.



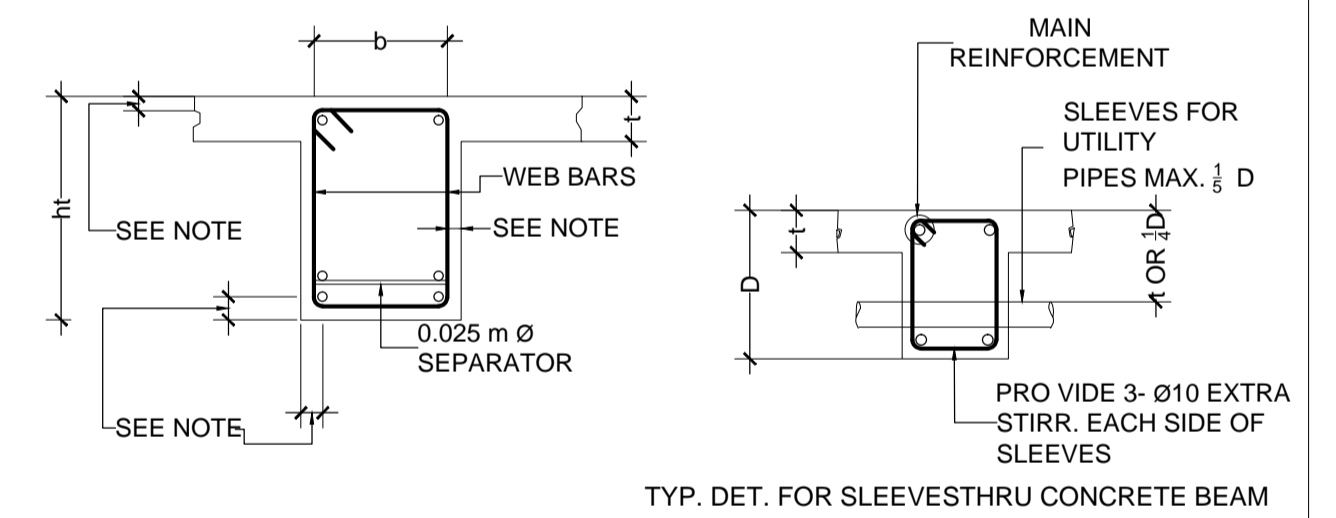
JOINT HOOP SPACE @ "2Sh" WHEN THERE ARE BEAMS HAVING WIDTH OF AT LEAST ONE-HALF THE COLUMN WIDTH & DEPTHS NOT LESS THAN THREE QUARTERS OF THE DEEPEST BEAM THAT FRAME INTO FOUR SIDES OF THE COLUMN. ALL OTHER CONDITIONS USE HOOPS @ "Sh" CENTERS.

FOR COL. BAR SPLICES SEE TABLE OF MIN. LAP SPLICE LENGTH OF COLUMN REINFORCEMENT (SPACING OF TIES ALONG THIS REGION SHALL NOT BE LESS THAN 100mm)

NOTE:

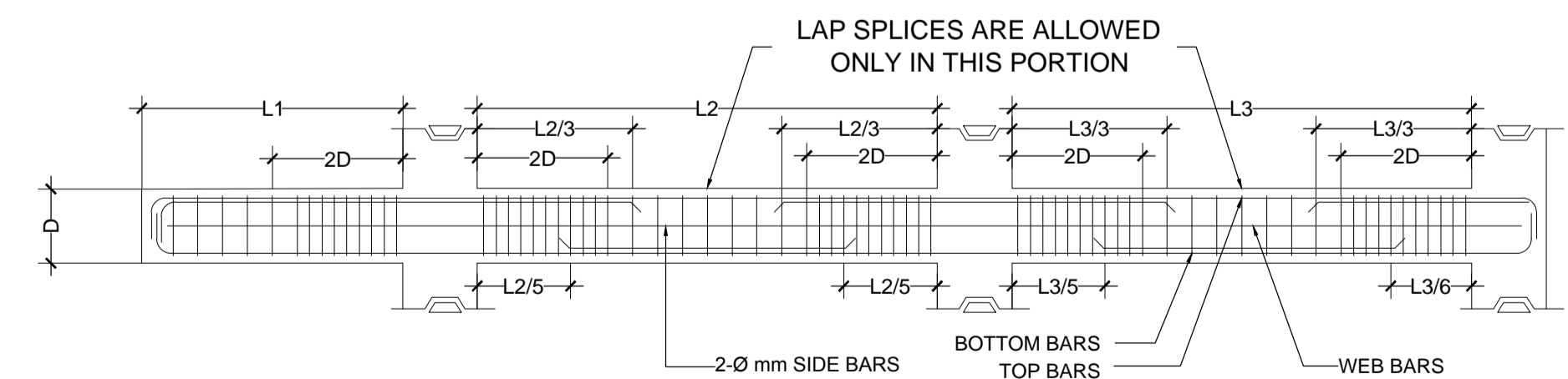
ALL CONCRETE REINF. DETAIL SHOULD BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF ACI DETAILING MANUAL

TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



NOTES ON BEAMS AND GIRDERS

- UNLESS, OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 6MM ϕ FOR EVERY 4.50M OF SPAN, EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20MM FOR EVERY 3.0M OF FREE SPAN.
- TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL AS SHOWN IN FIG. B-1.



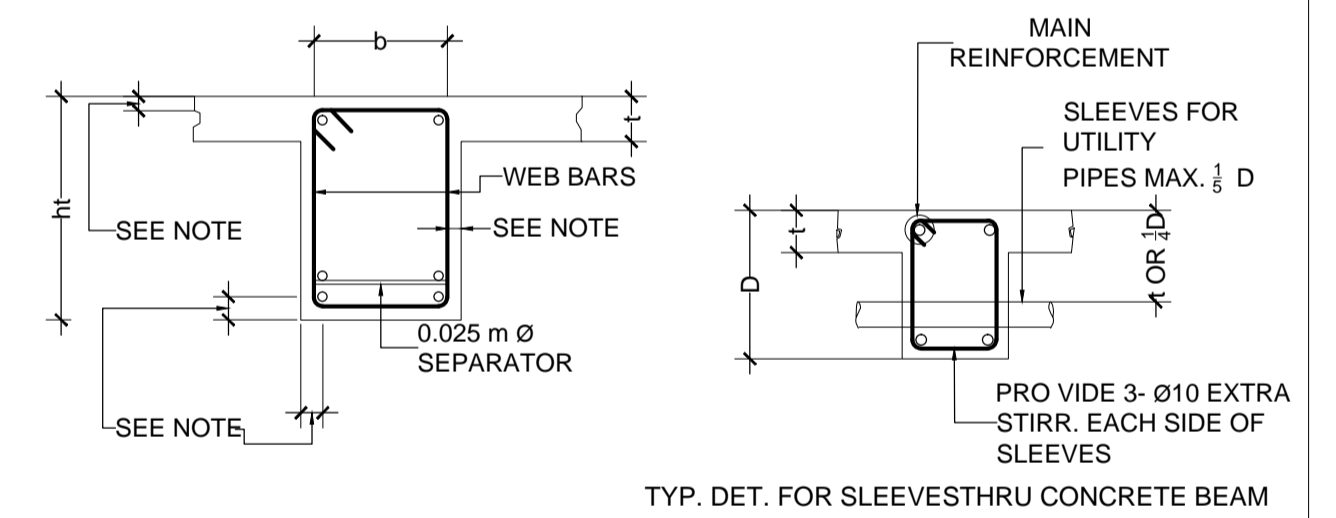
BAR SIZE (DEFORMED)	EMBEDMENT LENGTHS AND LAPPED SPLICED IN MILLIMETERS			
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
10mm ϕ	300	300	300	300
12mm ϕ	300	300	300	300
16mm ϕ	300	400	300	400
20mm ϕ	400	550	350	500
25mm ϕ	600	800	550	750
28mm ϕ	750	1000	650	850
32mm ϕ	950	1300	850	1100

NOTE: TOP PLAIN BARS, MULTIPLY VALUE BY 2

BAR SIZE (DEFORMED)	EMBEDMENT LENGTHS AND LAPPED SPLICED IN MILLIMETERS			
	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
10mm ϕ	225	300	200	300
12mm ϕ	275	300	250	300
16mm ϕ	350	400	325	400
20mm ϕ	450	500	475	500
25mm ϕ	550	625	550	625
28mm ϕ	625	675	625	675
32mm ϕ	700	775	700	775

NOTE: TOP PLAIN BARS, MULTIPLY VALUE BY 2
VALUES GIVEN ABOVE CAN ALSO BE USED

- IF THE BEAM REINFORCING BARS END IN A WALL THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL NOT BE LESS THAN 25MM. EMBEDMENT LENGTH SHALL BE AS SHOWN IN A TABLE 'A' FOR TENSION BARS AND TABLE 'B' FOR COMPRESSION BARS UNLESS SPECIFIED IN PLAN. TOP BAR SHALL NOT BE SPLICED WITHIN THE COLUMN OR WITHIN A DISTANCE TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN. AT LEAST TWO STIRRUPS SHALL BE PROVIDED AT ALL SPLICES.
- IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25 ϕ BAR SEPARATORS SPACED AT 1.0M ON CENTER. IN NO CASE SHALL THERE BE LESS THAN TWO (2) SEPARATORS BETWEEN TWO LAYERS OF BARS.
- MINIMUM CONCRETE PROTECTION FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIG. B-2 UNLESS SPECIFIED ELSEWHERE.



- WHEN A BEAM CROSSES A GIRDER, REST BEAM ON TOP OF GIRDER BARS. BEAMS REINFORCING BAR SHALL BE SYMMETRICAL ABOUT CENTER LINE WHENEVER POSSIBLE.

- GENERALLY NO SPLICES SHALL BE PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR, SPLICES WHERE SO PERMITTED SHALL BE INDICATED IN THE TABLE 'A' AND 'B'. WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR. NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION IS ALLOWED TO BE SPLICED THEREIN.

GENERAL CONSTRUCTION NOTES

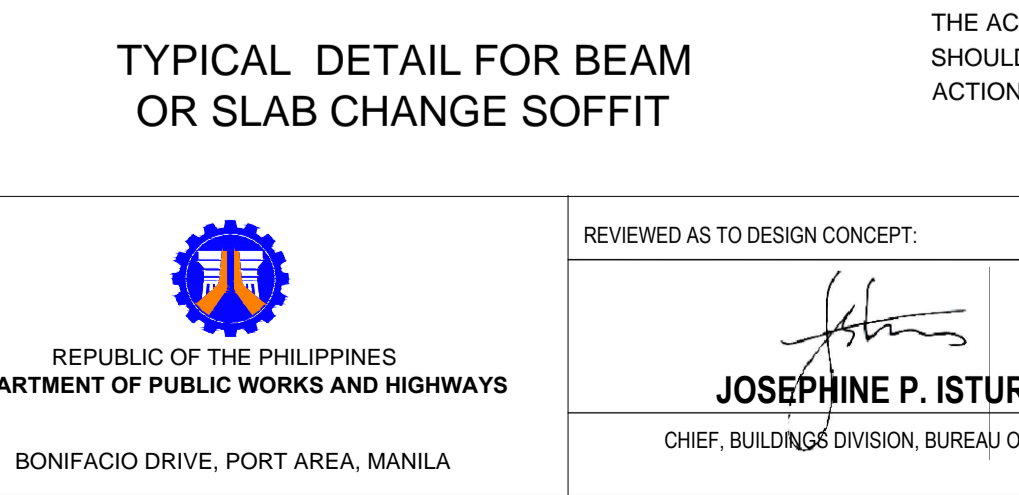
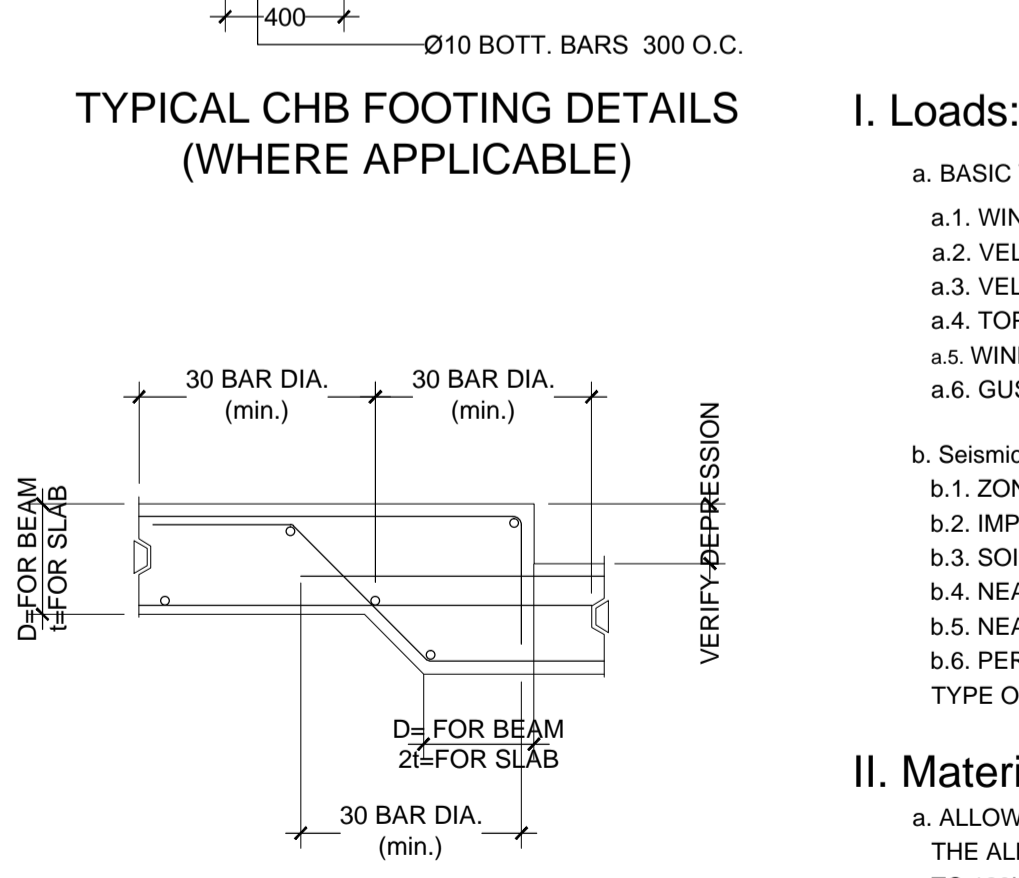
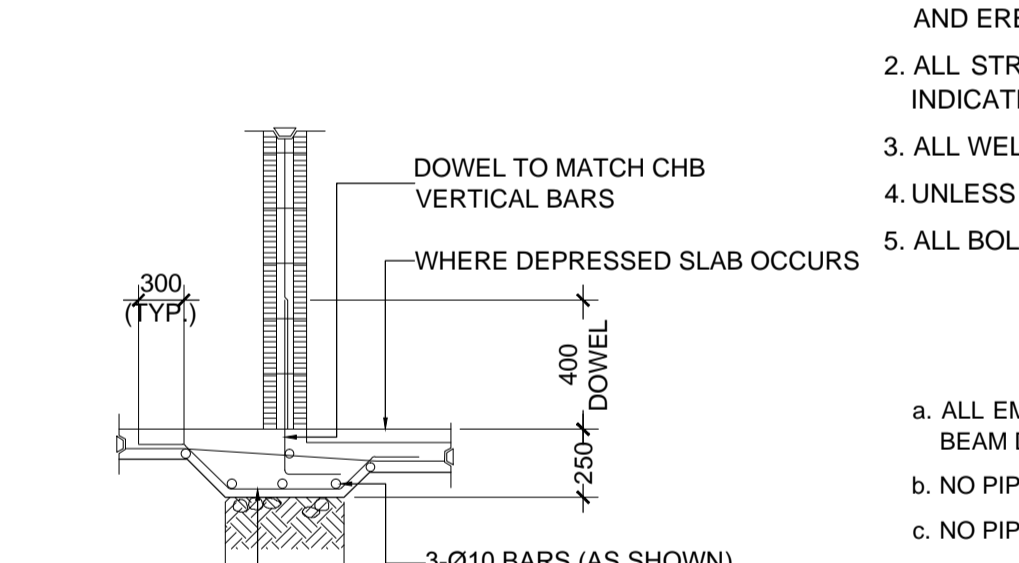
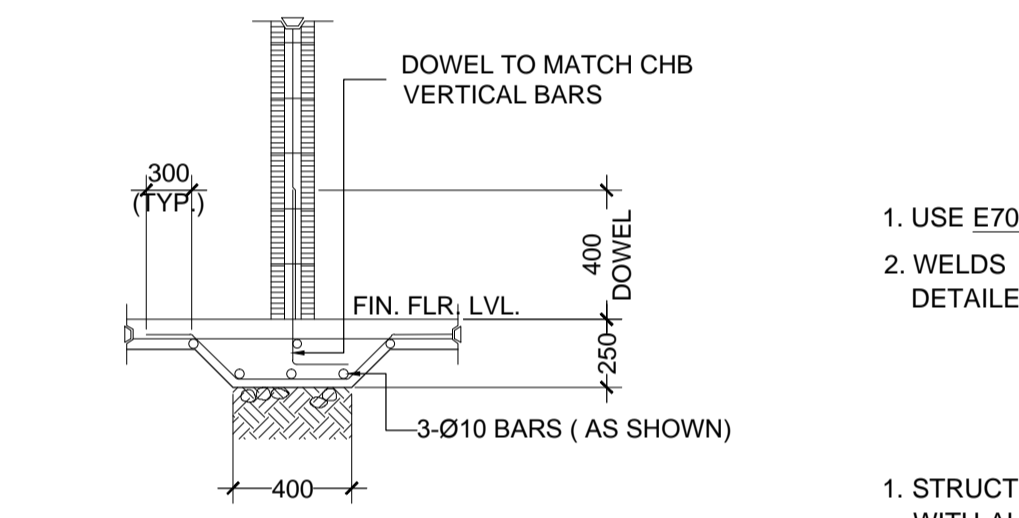
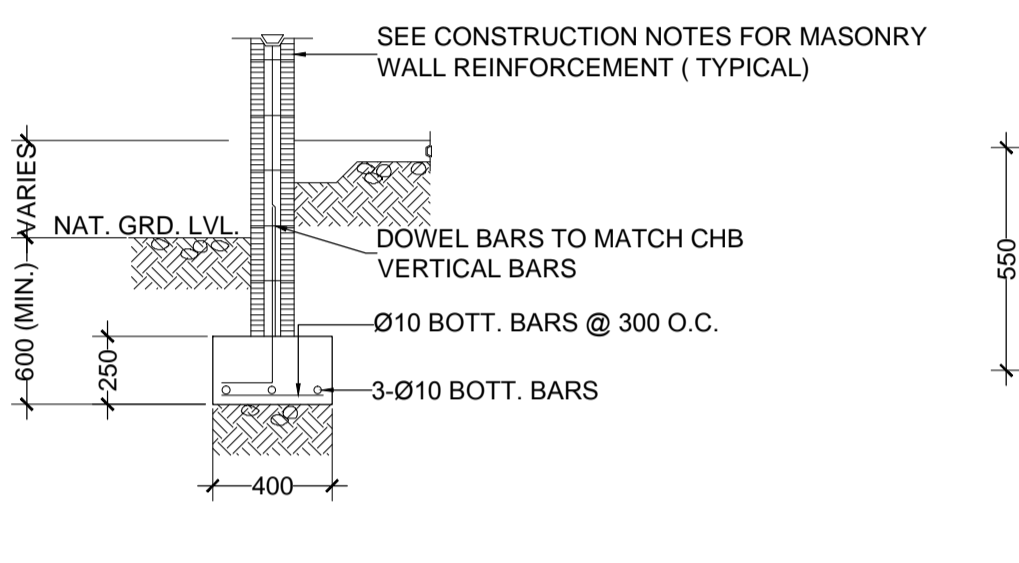
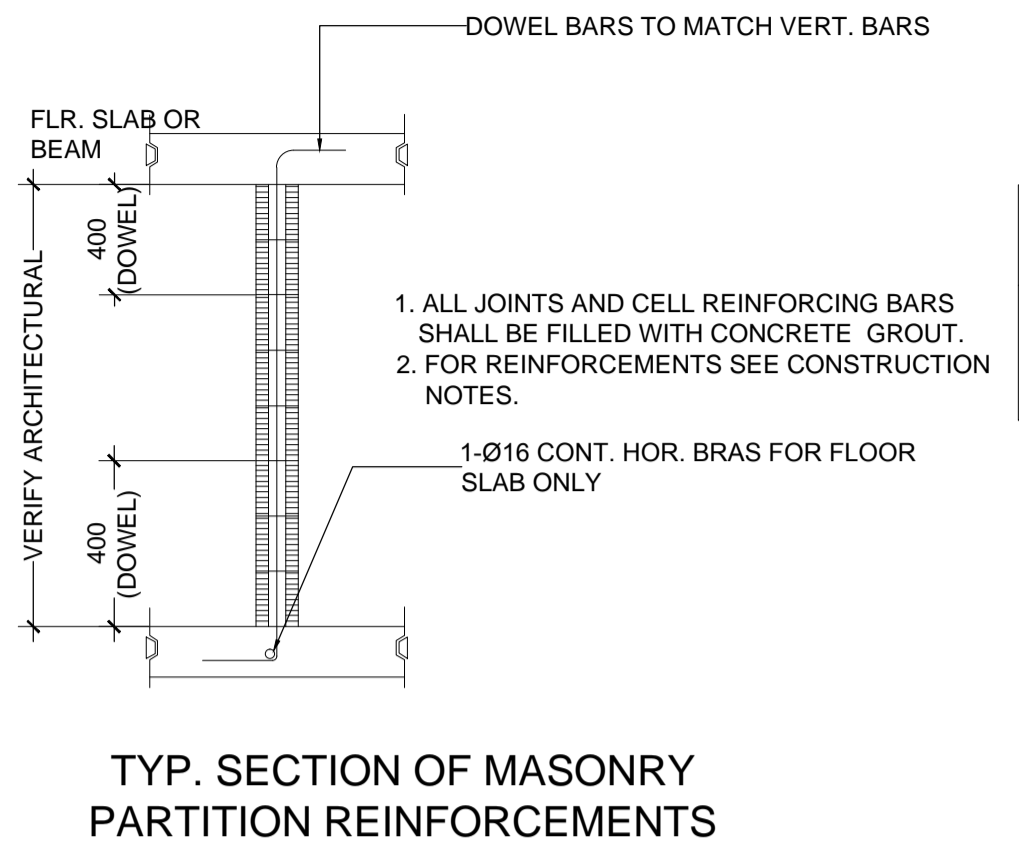
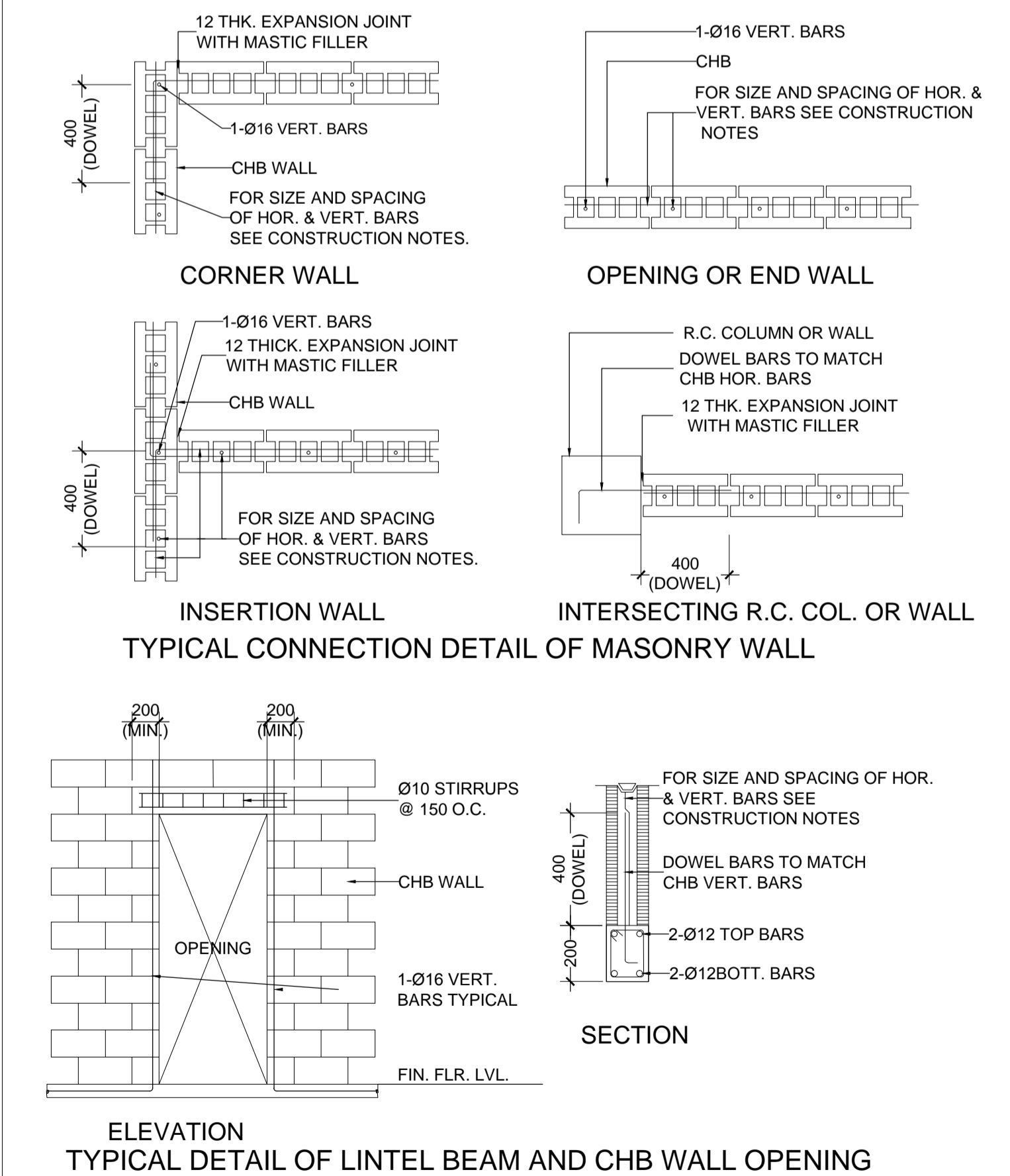
NOTES ON CONCRETE HOLLOW BLOCK WALLS

- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150MM X 300MM STIFFENER COLUMN REINFORCED WITH 4-12MM WITH 6MMØ TIES AT 150 ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
75mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	A. MINIMUM LAPS AT SPLICE = 0.22M B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.92M LONG C. WHERE CHB OR CER. BLK. WALL DOWELS JOIN COL. R.C. BEAMS AND WALL DOWELS WITH THE SAME SIZE AS VERT. OR HOR. REINFORCEMENTS SHALL BE PROVIDED
125mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	
150mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	
200mm	12mmØ @ 600mm O.C.	12mmØ @ 600mm O.C.	

IN CONCRETE BLOCK WALLS REINFORCING CONCRETE LINTEL BEAM IN CONCRETE BLOCK WALLS

CLEAR SPAN ("L")	TOTAL LENGTH (L+0.40M)	MIN. fc' (MPA)	HEIGHT OF LINTEL (MM)	REINFORCEMENT		
				BOTTOM	TOP	STIRRUPS
1.20M	1.60M	14.0	200	1-Ø10	1-Ø10	Ø6mm @ 200mm
150M	1.90M		200	1-Ø10	1-Ø10	Ø6mm @ 200mm
1.80M	2.20M		200	1-Ø12	1-Ø10	Ø6mm @ 200mm
2.10M	2.50M	17.0	250	1-Ø12	1-Ø10	Ø6mm @ 200mm
2.40M	2.90M		250	1-Ø12	1-Ø10	Ø6mm @ 200mm
2.70M	3.10M		250	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.00M	3.40M	20.0	300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.30M	3.70M		300	1-Ø16	1-Ø12	Ø10mm @ 200mm
3.60M	4.00M		300	1-Ø20	1-Ø12	Ø10mm @ 200mm

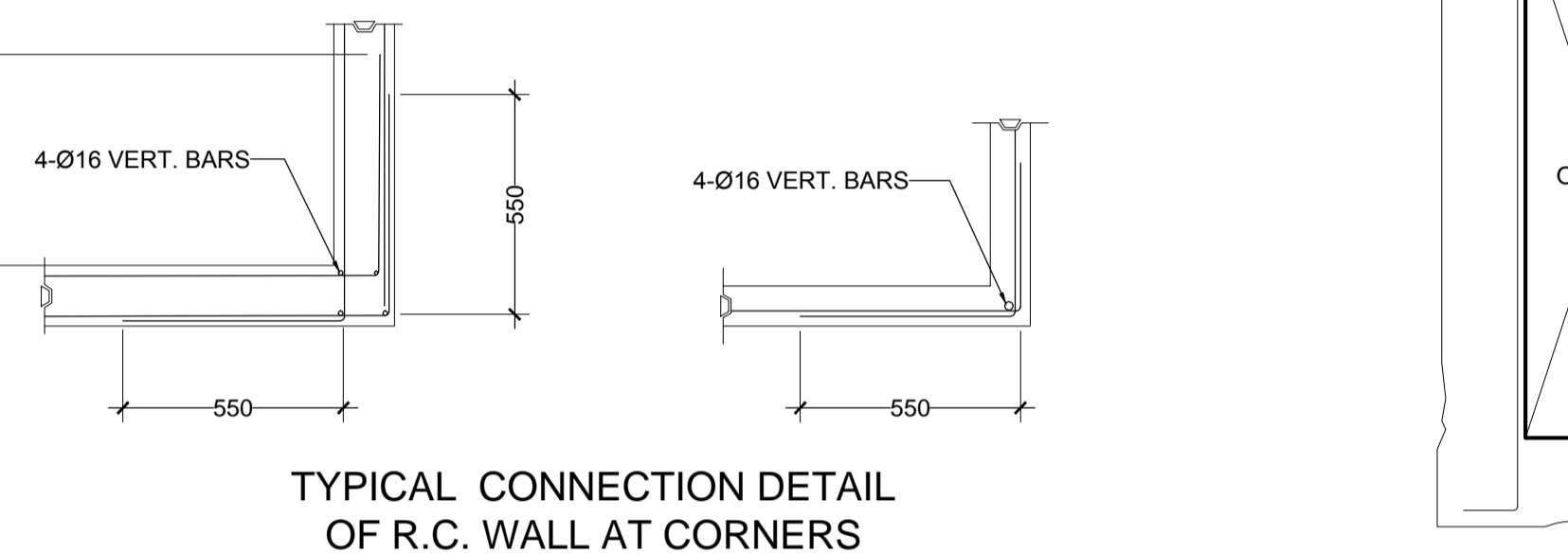


NOTES ON CONCRETE WALLS

- ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS.

WALL THICKNESS	REINFORCEMENT			REMARKS	VERTICAL SECTION
	HORIZONTAL	VERTICAL			
100mm	Ø10mm @ 250mm O.C.	Ø10mm @ 300mm O.C.		HORIZONTAL BARS AT CENTERS VERTICAL BARS STAGGERED OUT	
125mm	Ø10mm @ 200mm O.C.	Ø10mm @ 250mm O.C.			
150mm	Ø12mm @ 250mm O.C.	Ø12mm @ 300mm O.C.			

- REINFORCING BARS SHALL HAVE 25MM CLEAR CONCRETE COVER FROM FACE OF WALL EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE A MINIMUM OF 60MM SHALL BE PROVIDED, AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50MM CLEAR.
- CARY VERTICAL BARS AT LEAST 60MM ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY STOP AT 50MM BELOW TOP SLAB OR SOLID BAND WHERE THE WALL ENDS VERTICAL AND HORIZONTAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 30 DIAMETERS AND WIRED SECURELY WITH 16 G.I. WIRE PROVIDED THAT SPLICES IN ADJACENT BARS ARE STAGGERED AT LEAST 1.50M.O.C.
- UNLESS OTHERWISE NOTED IN THE PLANS, ALL OPENINGS IN WALLS 250MM OR THICKER SHALL BE REINFORCED AROUND WITH 2-20MMØ BARS FOR 225MM, 200MM, 175MM, 150MM, USE 2-16MMØ FOR 125MM AND 100MM WALLS USE 2-12MMØ BARS. ALL WALLS SPANNING SHALL HAVE VERTICAL REINFORCEMENT BENT TO A U-FORM LIKE STIRRUPS AND SPACE ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED (SEE FIG.1)



NOTES ON WELDS

- USE E70XX ELECTRODES FOR ALL MEMBERS WELDED.
- WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS.

NOTES ON STRUCTURAL STEEL

- STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION (9TH EDITION) FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
- ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
- ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
- UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM AWS E60 ELECTRODES.
- ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A 307 BOLTS.

NOTES ON EMBEDDED PIPES

- ALL EMBEDDED PIPES FOR UTILITIES, ETC. THAT PASS THRU BEAMS SHALL NOT EXCEED 100MM IN DIAMETER OR 1/3 BEAM DEPTH WHICHEVER IS LESS, UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- NO PIPES SHALL BE ALLOWED TO PASS THRU BEAMS VERTICALLY.
- NO PIPES SHALL BE EMBEDDED IN COLUMNS.

DESIGN CRITERIA

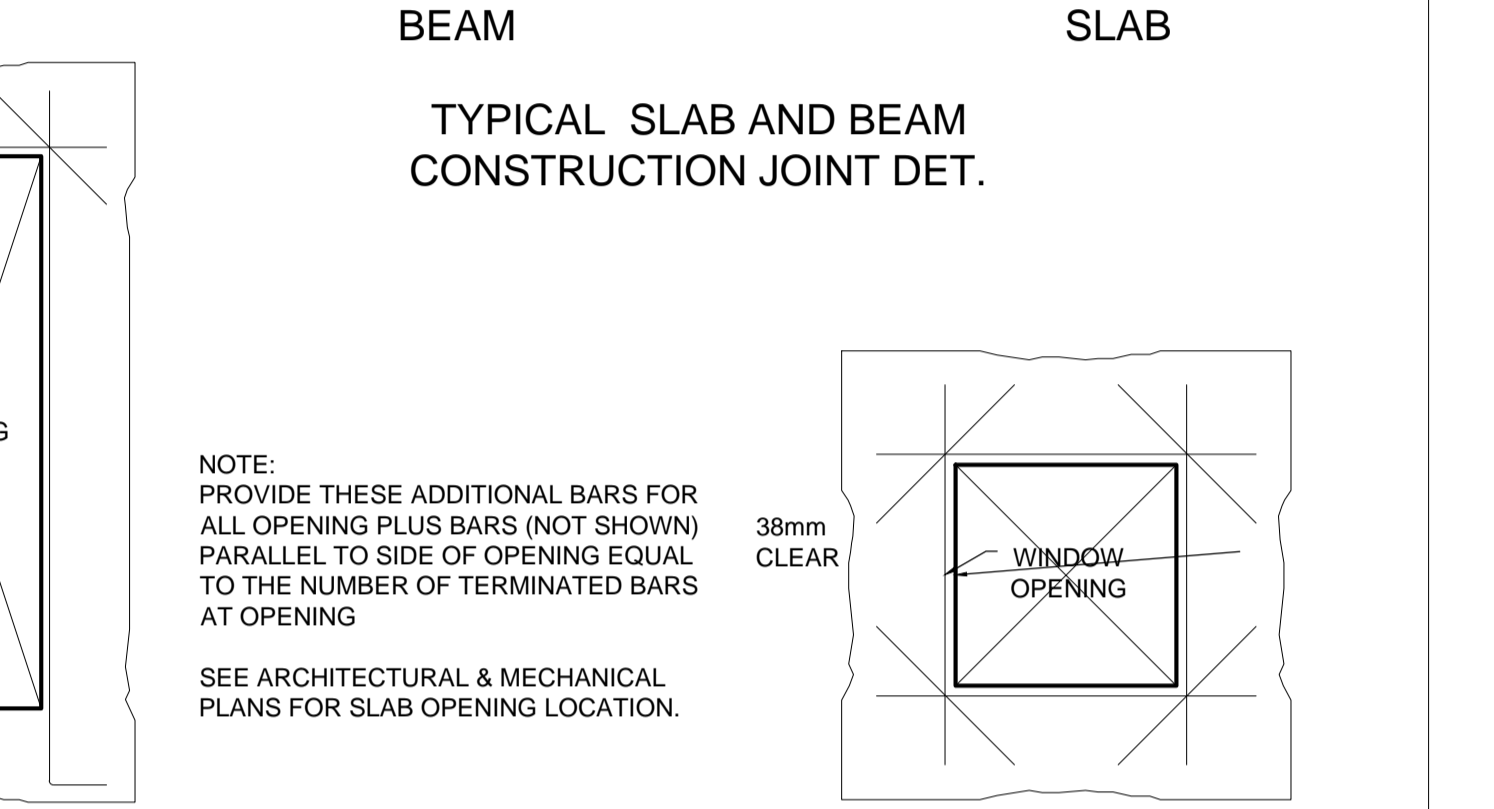
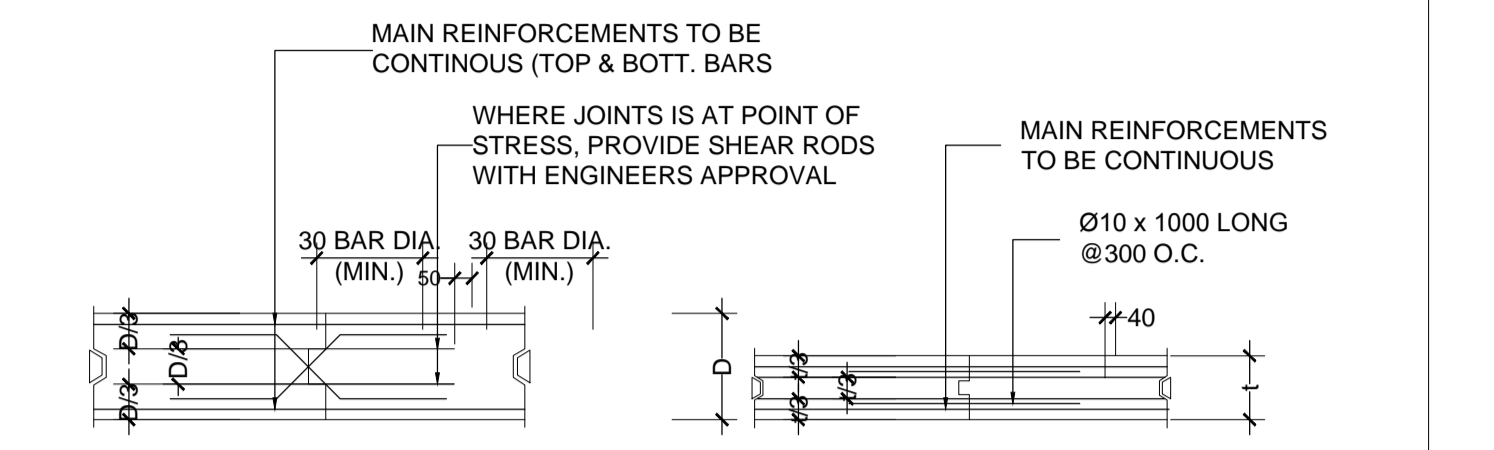
- Loads:
 - BASIC WIND SPEED $V = 250$ kph
 - WIND EXPOSURE = EXPOSURE B
 - VELOCITY PRESSURE, $q_s = 0.613K_zK_dK_{zt}V^2$
 - VELOCITY PRESSURE EXPOSURE, $K_z = 2.01(z/z_0)^{2.6}$
 - TOPOGRAPHIC FACTOR, $K_d = 1.0$
 - WIND DIRECTIONALITY FACTOR, $K_{zt} = 0.9$
 - GUST EFFECT FACTOR, $G_e = 0.9$
 - Seismic Load
 - ZONE = 0.4
 - IMPORTANCE FACTOR = 1.2
 - SOIL PROFILE TYPE = Sd
 - NEAR SOURCE (N_s) = 1.2
 - NEAR SOURCE (N_v) = 1.6
 - PERIOD = COMPUTER GENERATED
 - DEAD LOAD
 - UNIT WEIGHT OF CONCRETE = 24 kN/m^3
 - UNIT WEIGHT OF STEEL = 77 kN/m^3
 - CEILING AND UTILITIES = 0.4 kPa
 - FLOOR FINISH = 1.1 kPa
 - CHB WALLS (150mm thk.) = 2.6 kPa
 - CHB WALLS (100mm thk.) = 2.46 kPa
 - LIVE LOAD
 - OFFICE = 2.4 kPa
 - WAREHOUSE = 12.0 kPa
 - ROOF = 1.0 kPa
- TYPE OF STRUCTURAL FRAMING SYSTEM = SPECIAL MOMENT RESIST FRAME

- Material Strength and Specifications
 - ALLOWABLE FOUNDATION PRESSURE

THE ALLOWABLE FOUNDATION PRESSURE USED IN THE DESIGN OF FOOTINGS WAS ASSUMED TO BE EQUAL TO 120KPA, THIS VALUE SHALL BE MULTIPLIED A FACTOR OF 1.33 WHEN CONSIDERING EXTREME EVENTS. THE ACTUAL SOIL CONDITION AT THE SITE SHOULD BE CHECKED AND VERIFIED BY THE CONTRACTOR AND SHOULD BE REPORTED TO THE PROJECT ENGINEER OR THE STRUCTURAL ENGINEER IN WRITING FOR PROPER ACTIONS.

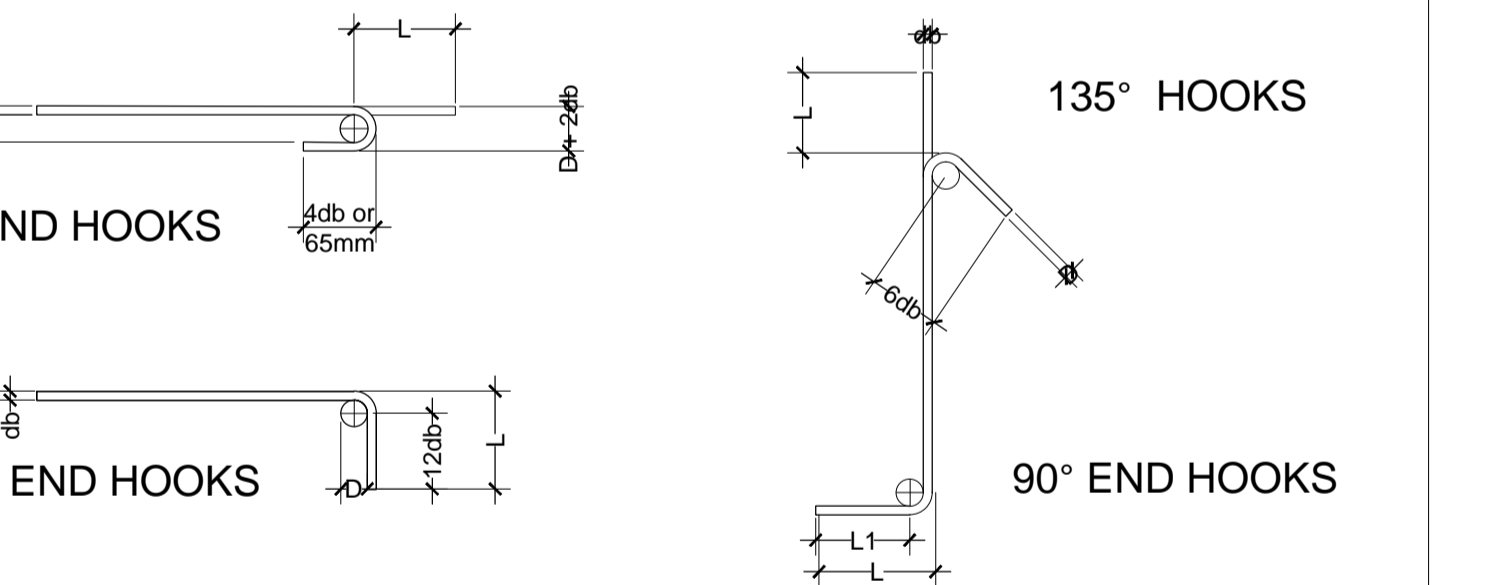
NOTES ON CONSTRUCTION JOINTS IN CONCRETE

- WHERE A CONSTRUCTION JOINT TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LAITANCE AND STANDING WATER REMOVED. SHEAR KEY SHALL BE PROVIDED AT THE JOINT.



NOTES OF STIRRUPS

- ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FILLED BENT, EXCEPT AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
- TIES & CLOSE STIRRUPS MUST BE BENT AT 135°.



BAR SIZE DEFORMED	DIAMETER (mm)	180° HOOK		90° HOOK
		D + 2db	L	L
10 mm Ø	60	75	125	150
12 mm Ø	75	100	150	200
16 mm Ø	95	125	175	250
20 mm Ø	115	150	200	300
25 mm Ø	150	200	230	450
28 mm Ø	240	300	350	550
32 mm Ø	300	335	450	600

BAR SIZE DEFORMED	DIAMETER (mm)	180° HOOK		90° HOOK
		D + 2db	L	L
10 mm Ø	40	125	85	100
12 mm Ø	50	165	115	115
16 mm Ø	65	200	140	150
20 mm Ø	115	250	165	300
25 mm Ø	150	365	230	405

NOTE: PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATIONS OF R.A. 9154, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

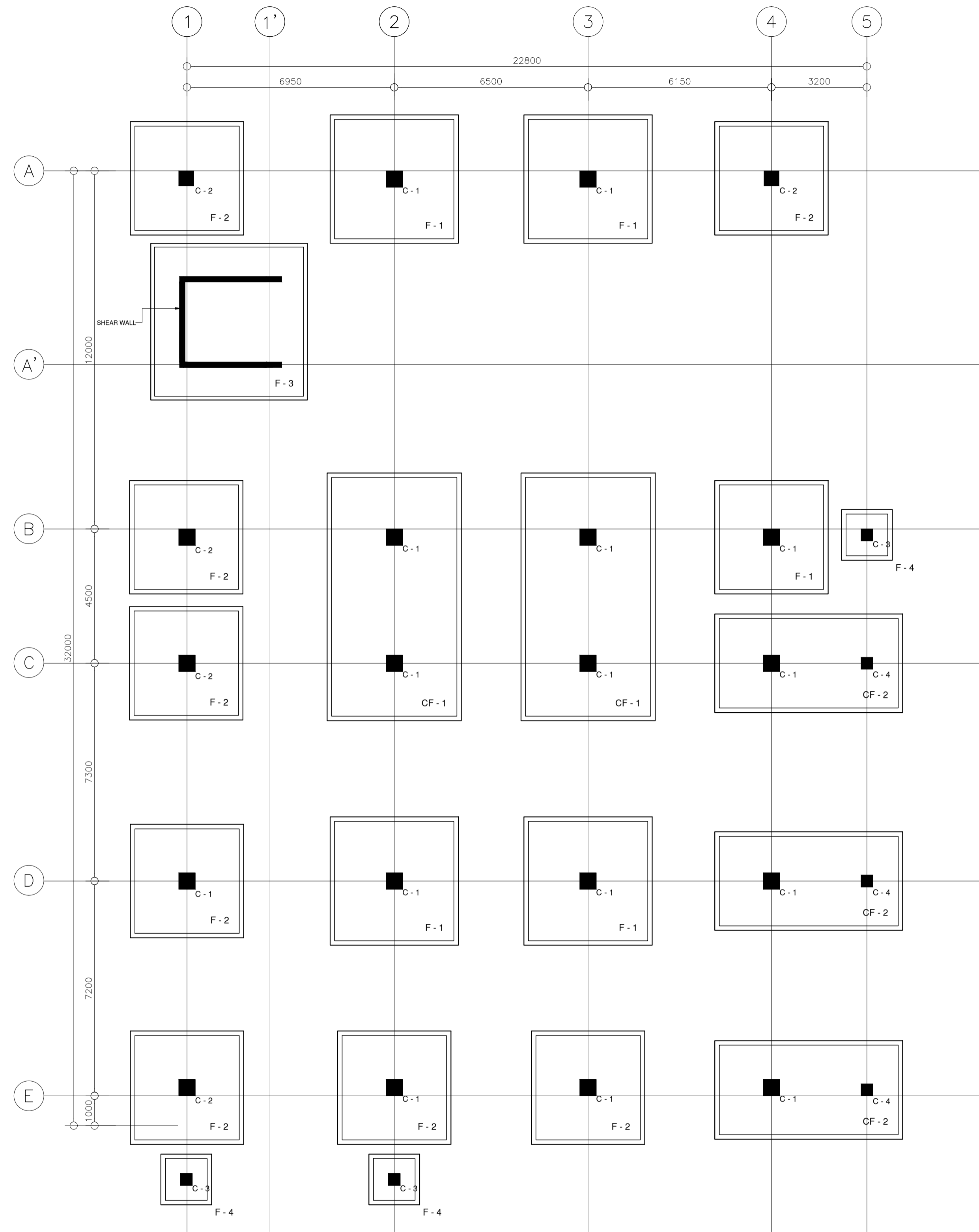
THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

Elmer T. Ramoneda
PROJECT MANAGER

III. Code and References :

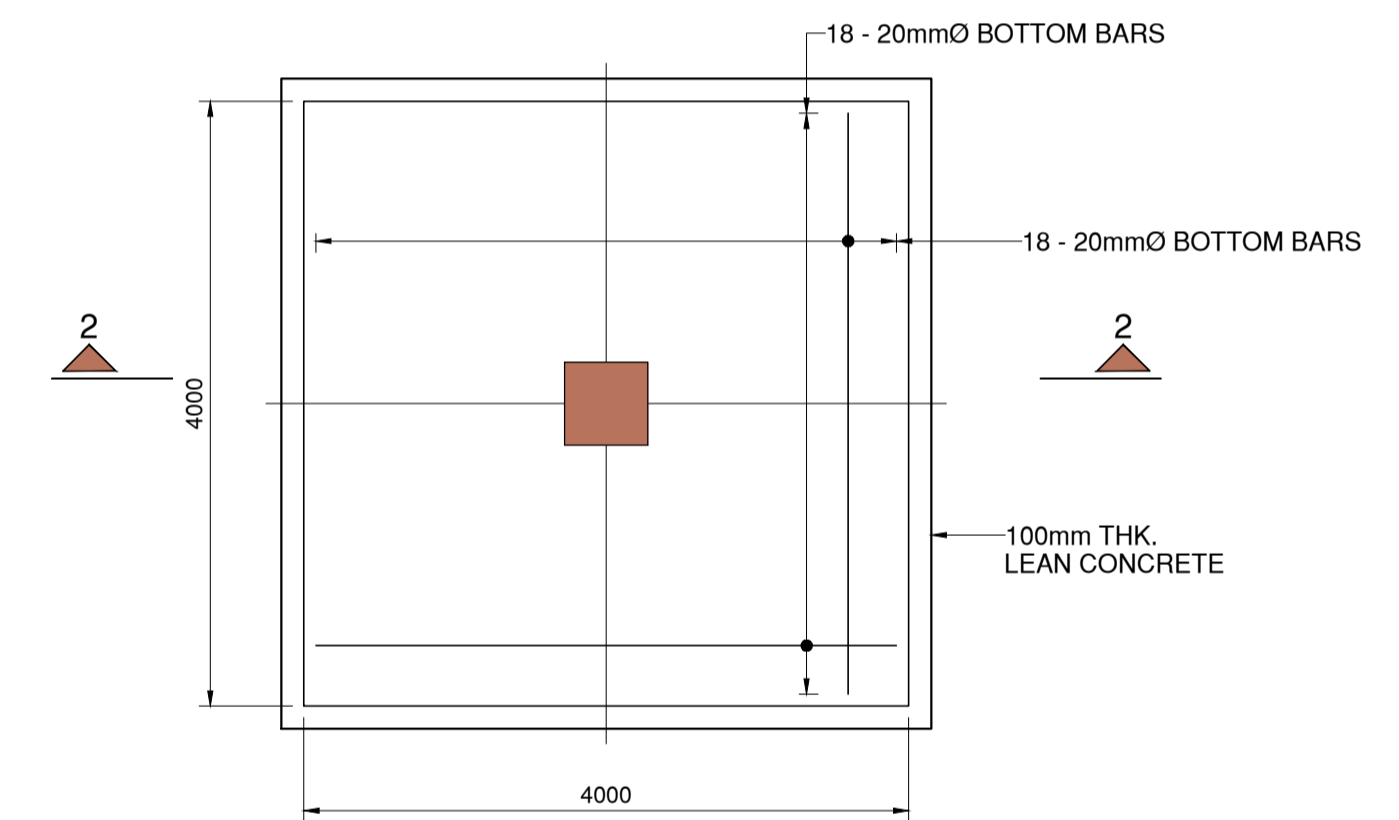
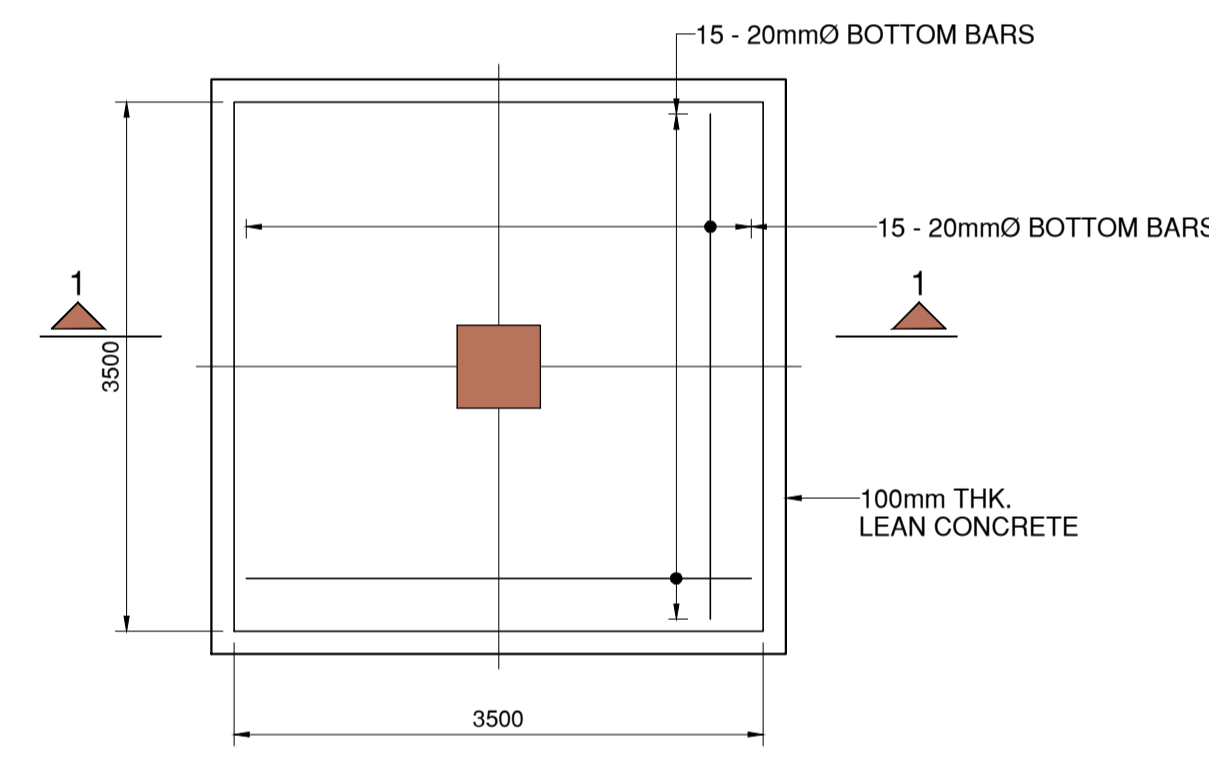
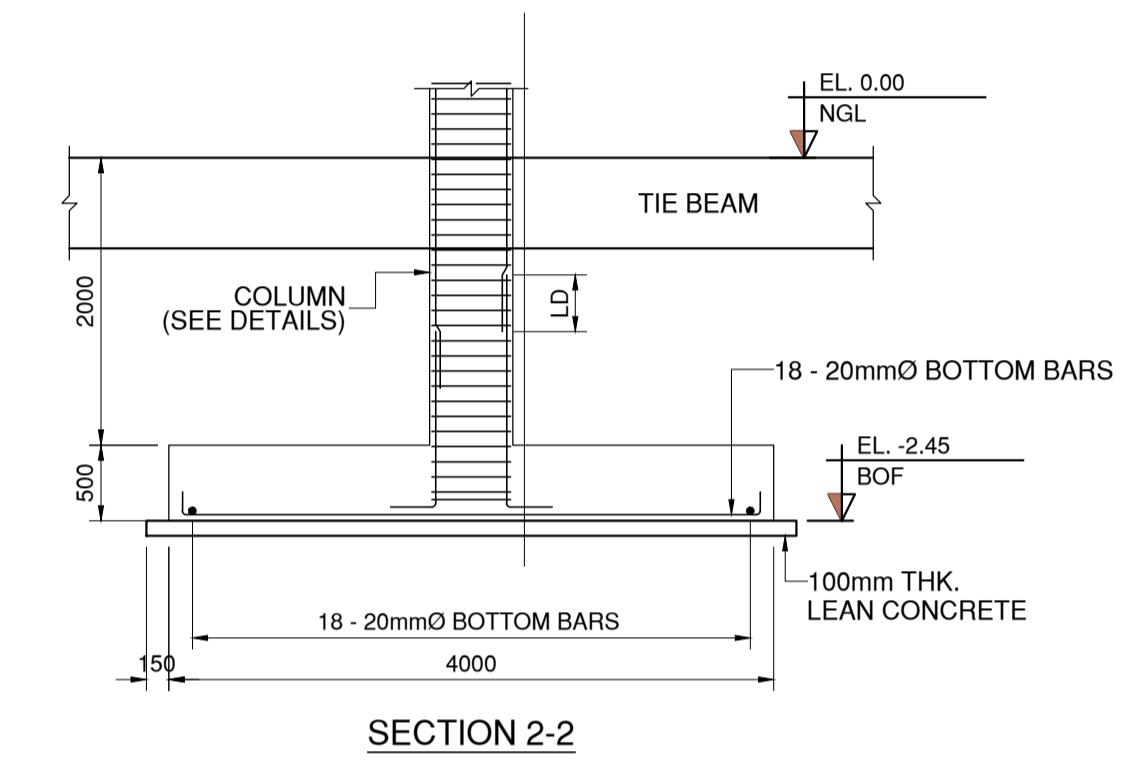
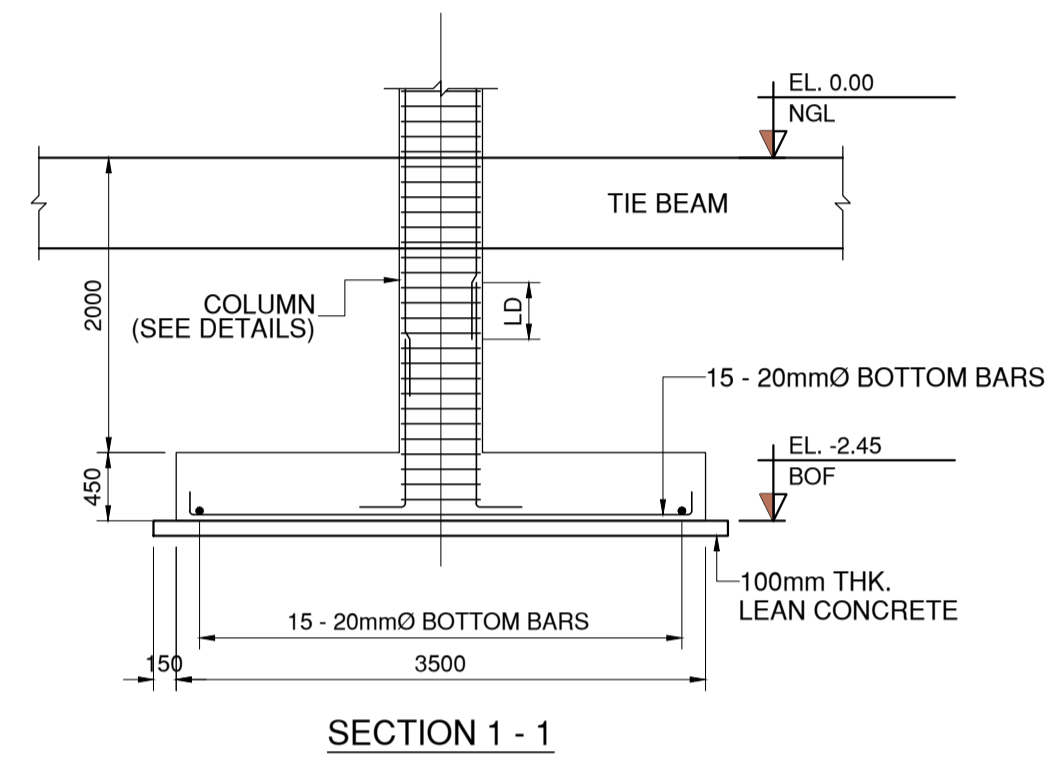
- NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 2015 (NSCP C101-15) VOLUME I, SEVENTH EDITION
- IMPLEMENTING RULES AND REGULATIONS, NATIONAL BUILDING CODE OF THE PHILIPPINES
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
- DESIGN OF REINFORCED CONCRETE, 10TH EDITION, JACK C. MCCORMAC
- FOUNDATION ANALYSIS AND DESIGN, 5TH EDITION BY JOSEPH E. BOWLES

<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS</p> <p>In joint venture with J.F. CANCIO & Associates CONSULTANTS</p> <p>PTC Engineers & Associates</p>	STRUCTURAL ENGINEER: VICTOR D. DELOS REYES, JR. REG.NO.: 76687 DATE: 04/16/2018 PTR.NO.: 2202992 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS</p> <p>BONIFACIO DRIVE, PORT AREA, MANILA</p>	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	REVIEWED AS TO DESIGN CONCEPT: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GENERAL NOTES (2)	SET NO. -	SHEET NO. ST 02 11
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FOOTING SCHEDULE (C28:Fy414)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION				FOOTING REINFORCEMENT				REMARKS	
			LENGTH	WIDTH	THK.	DEPTH	BOTTOM		TOP			
							ALONG (W)	ALONG (L)	ALONG (W)	ALONG (L)		
F-1		ISOLATED	3500	3500	475	2000	15 - 20mmØ	15 - 20mmØ	-	-	-	
F-2		ISOLATED	4000	4000	500	2000	18 - 20mmØ	18 - 20mmØ	-	-	-	
F-3		ISOLATED	5000	5000	500	2000	28 - 20mmØ	25 - 20mmØ	-	-	-	
F-4		ISOLATED	1400	1400	300	1200	6 - 16mmØ	6 - 16mmØ	-	-	-	
CF-1		COMBINED	SEE DETAIL				2000	SEE DETAIL	25 - 20mmØ	12mmØ @ 200mm O.C.	22 - 20mmØ	-
CF-2		COMBINED	SEE DETAIL				2000	SEE DETAIL	16 - 20mmØ	12mmØ @ 200mm O.C.	16 - 20mmØ	-



F-1 DETAIL ISOLATED FOOTING
2 ST SCALE 03-11
1:50MTS

F-2 DETAIL ISOLATED FOOTING
3 ST SCALE 03-11
1:50MTS

NOTE: ASSUMED SOIL BEARING CAPACITY = 120 kPa
SOIL BEARING CAPACITY SHOULD BE VERIFY
BY THE CONTRACTOR PRIOR TO CONSTRUCTION
SHOULD THERE BE ANY CHANGES IN THE SOIL CONDITION
REPORT TO THE PROJECT ENGINEER.

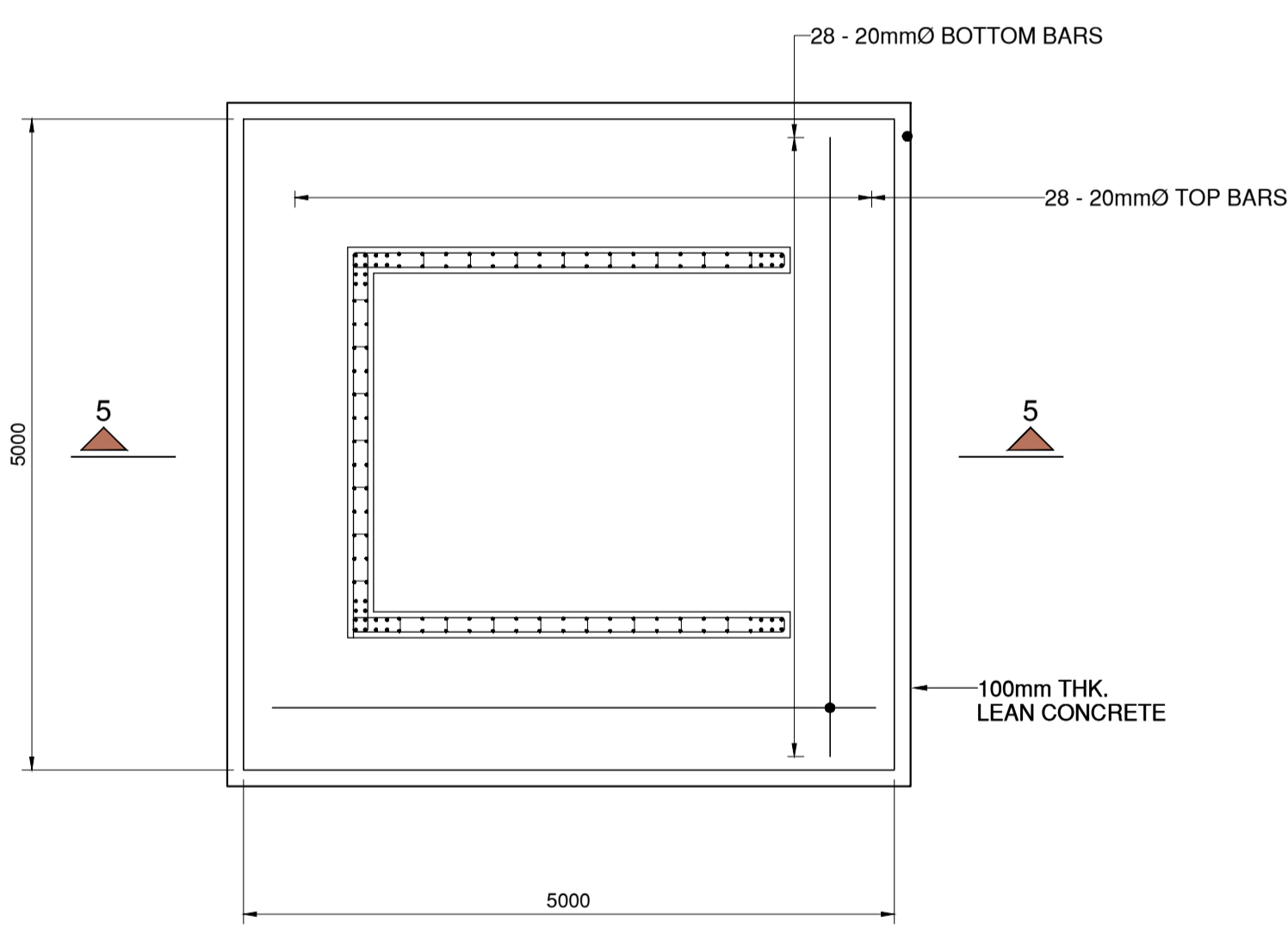
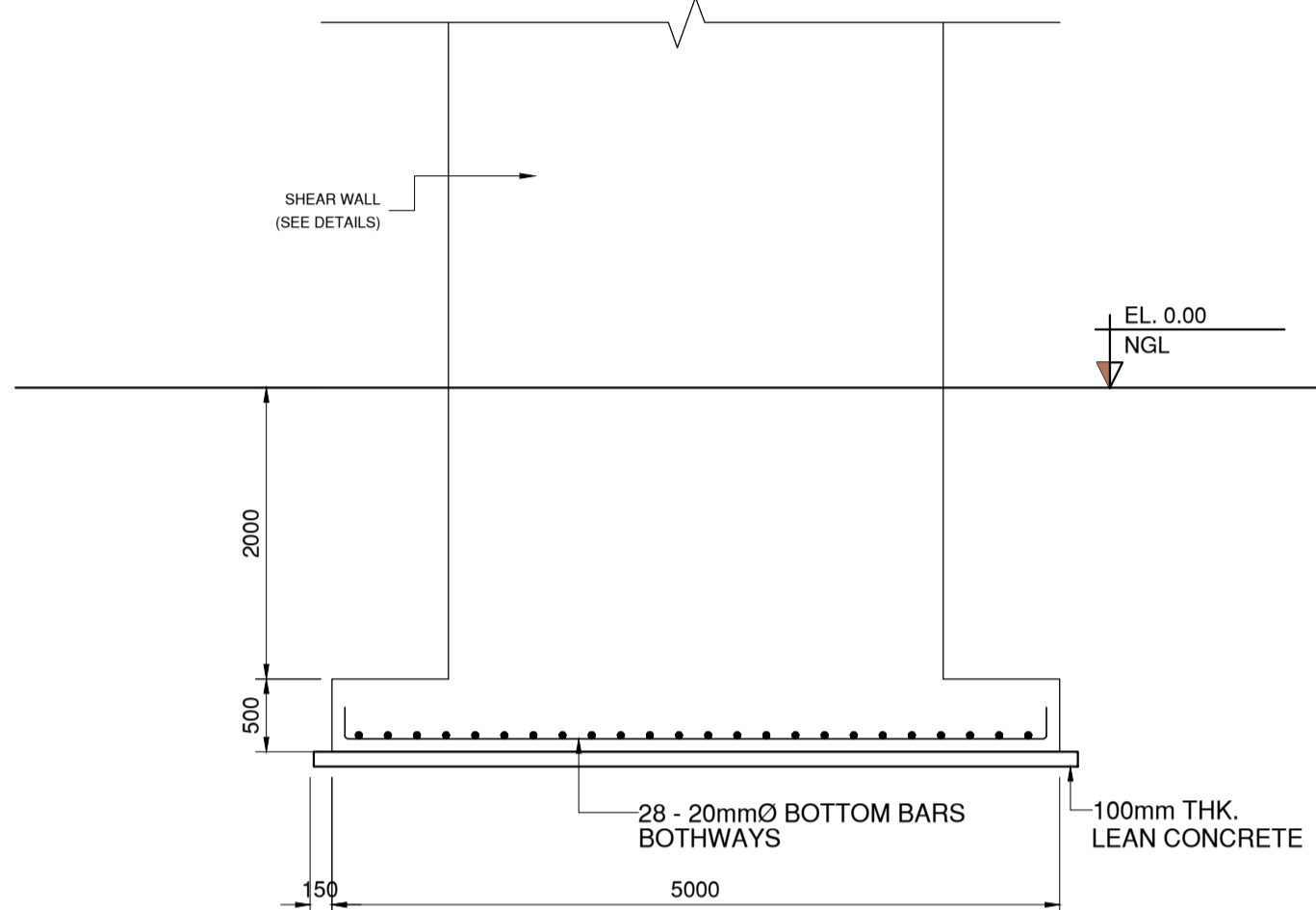
1 ST FOUNDATION PLAN
03-11 SCALE 1:200MTS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

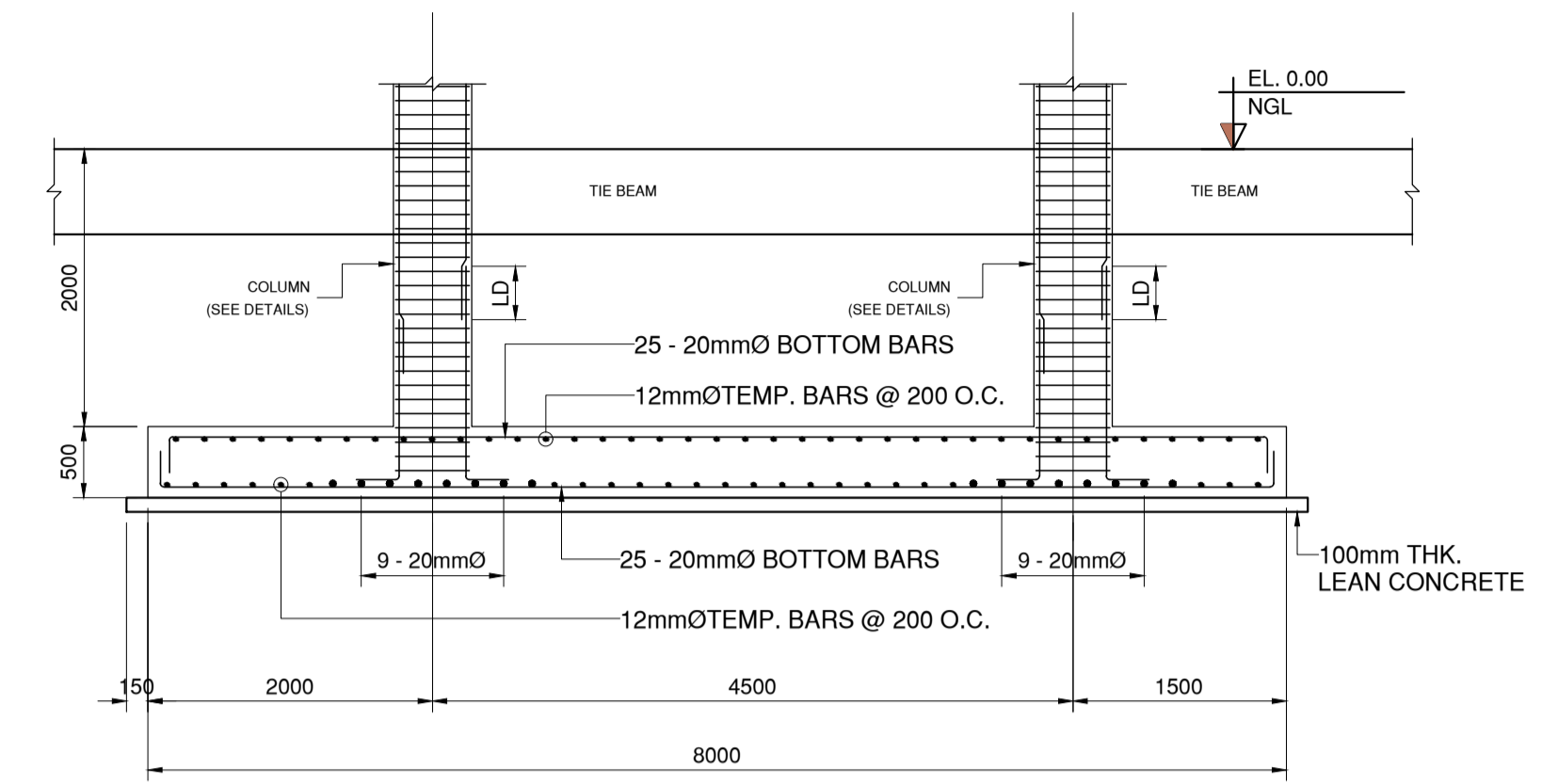
THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
PROJECT MANAGER

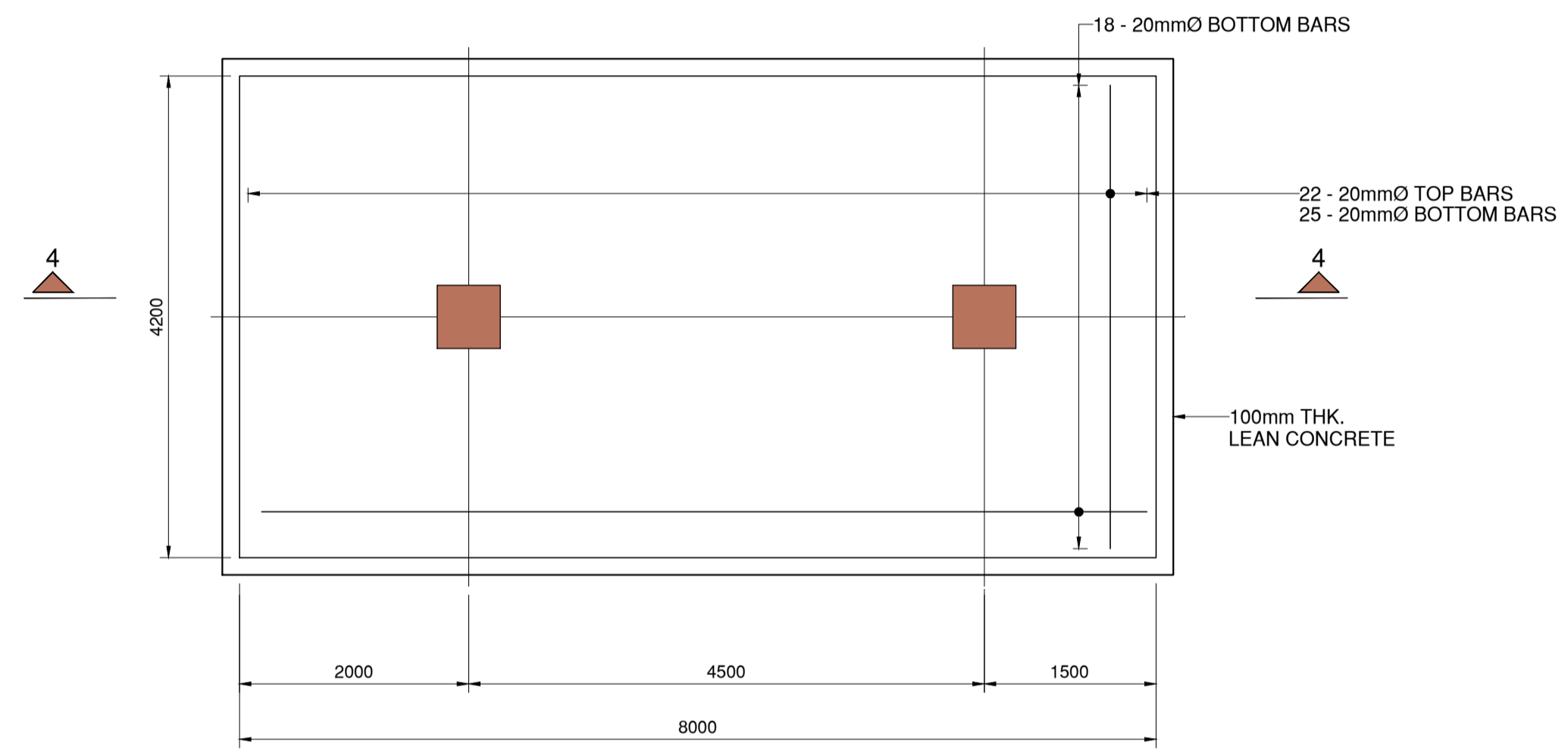
<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	STRUCTURAL ENGINEER: VICTOR D. DELOS REYES, JR. REG. NO.: 76687 DATE: 04/16/2018 PTR. NO.: 2202992 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	REVIEWED AS TO DESIGN CONCEPT: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIIG SUR, TUGUEGARAO CITY	PROJECT & LOCATION: FOOTING SCHEDULE F-1 ISOLATED FOOTING F-2 ISOLATED FOOTING	SET NO. 	SHEET NO.



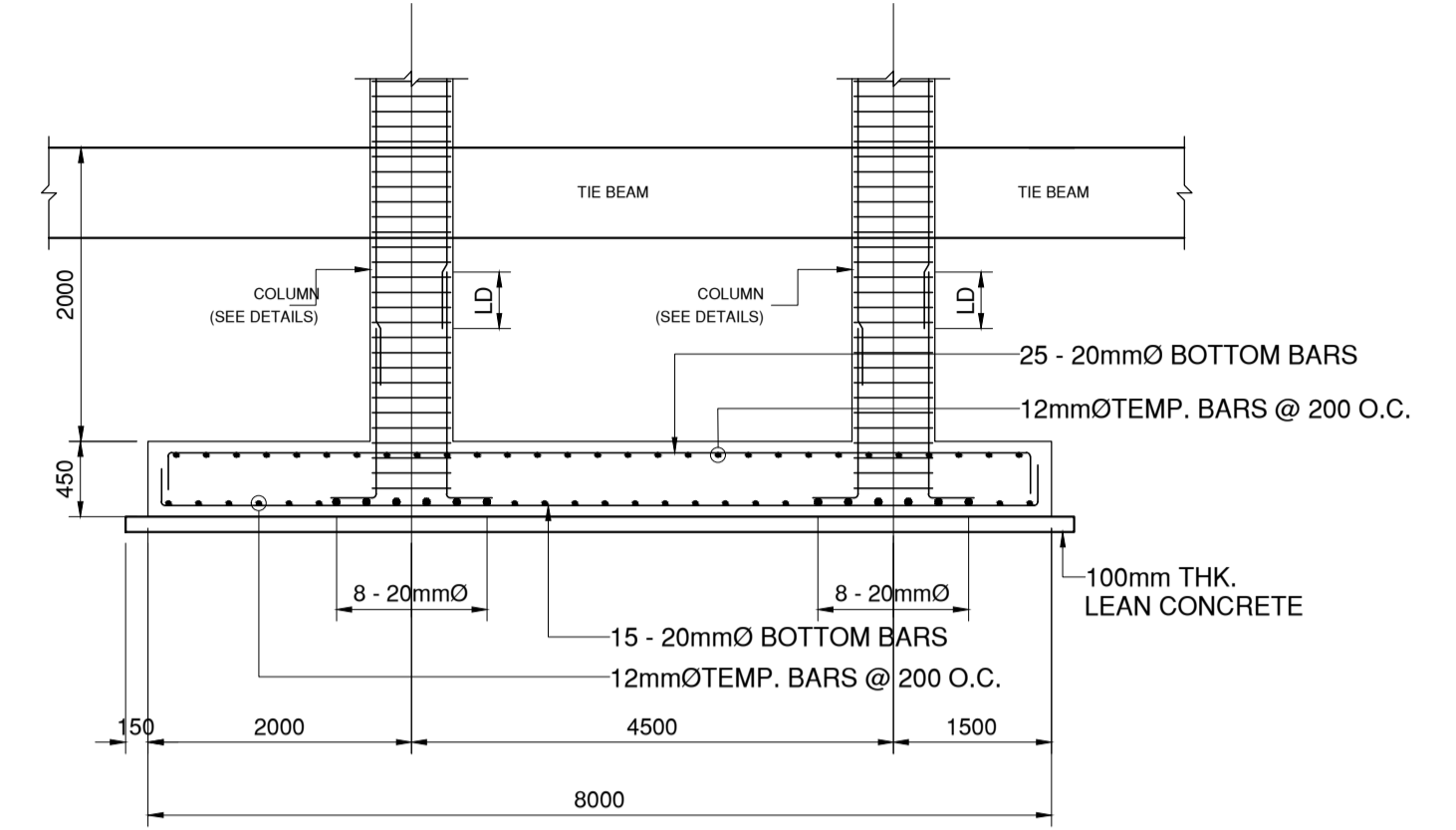
F - 3 DETAIL ISOLATED FOOTING
1 ST SCALE 04-11 1:50MTS



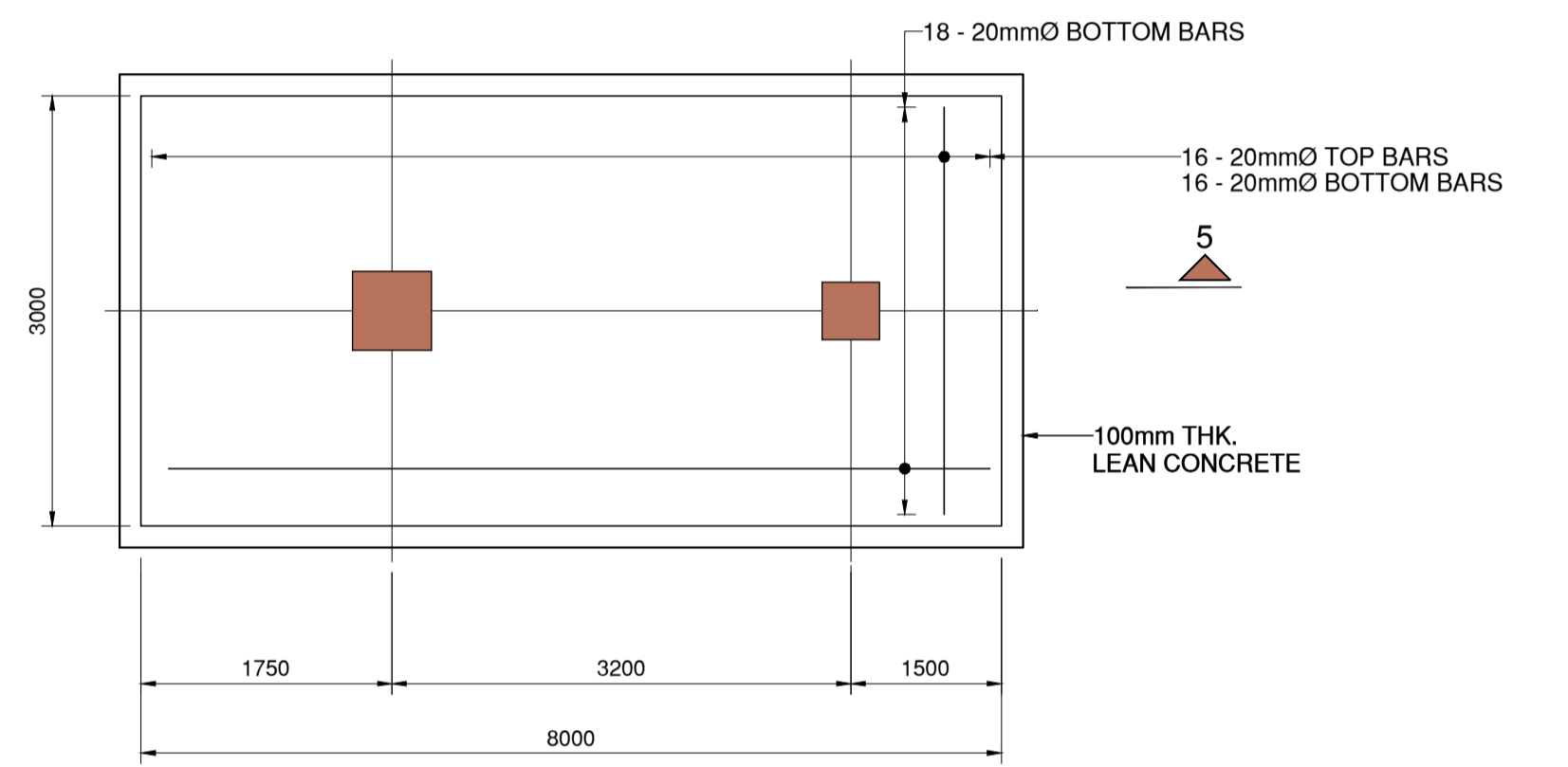
SECTION 4 - 4



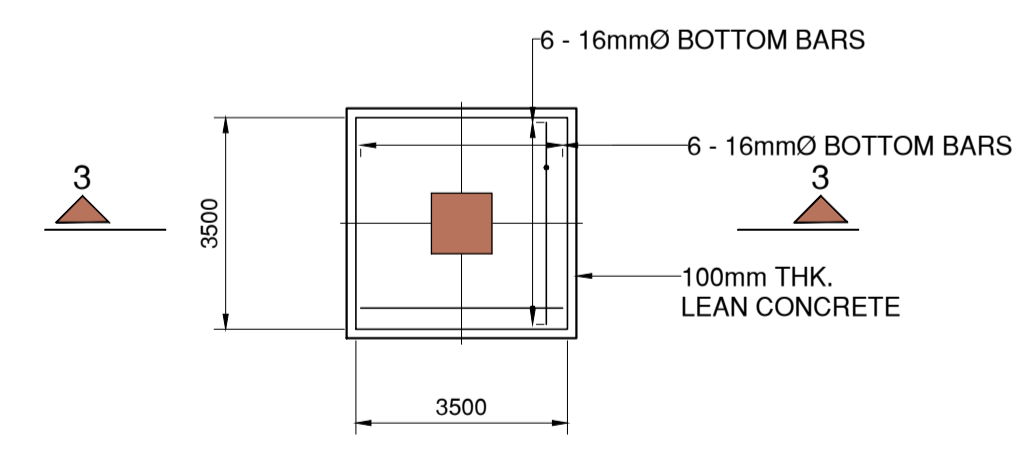
CF - 1 DETAIL COMBINED FOOTING
2 ST SCALE 04-11 1:50MTS



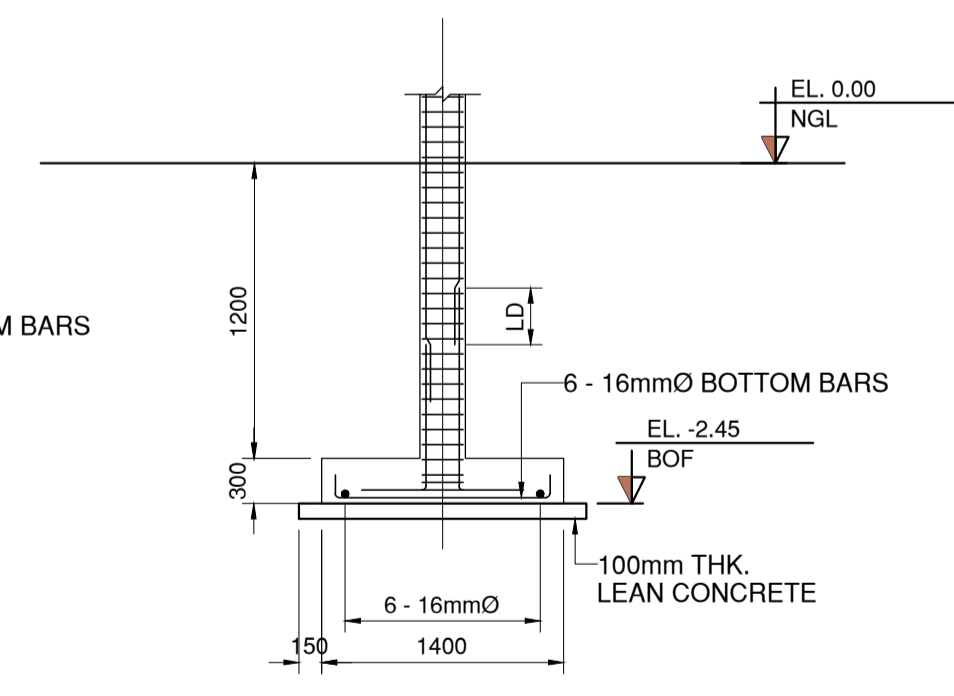
SECTION 5 - 5



CF - 2 DETAIL COMBINED FOOTING
3 ST SCALE 04-11 1:50MTS



F - 4 DETAIL FOOTING DETAIL
4 ST SCALE 04-11 1:50MTS



SECTION 3 - 3

NOTE:
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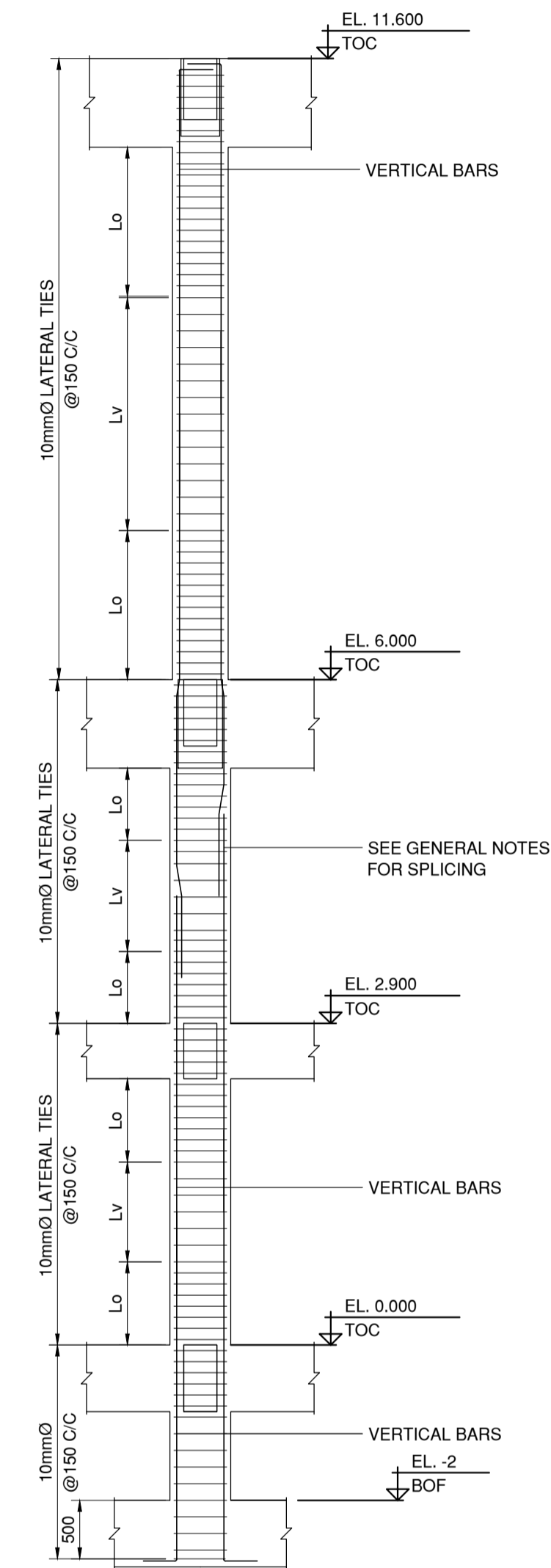
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ELMER T. RAMONEDA
PROJECT MANAGER

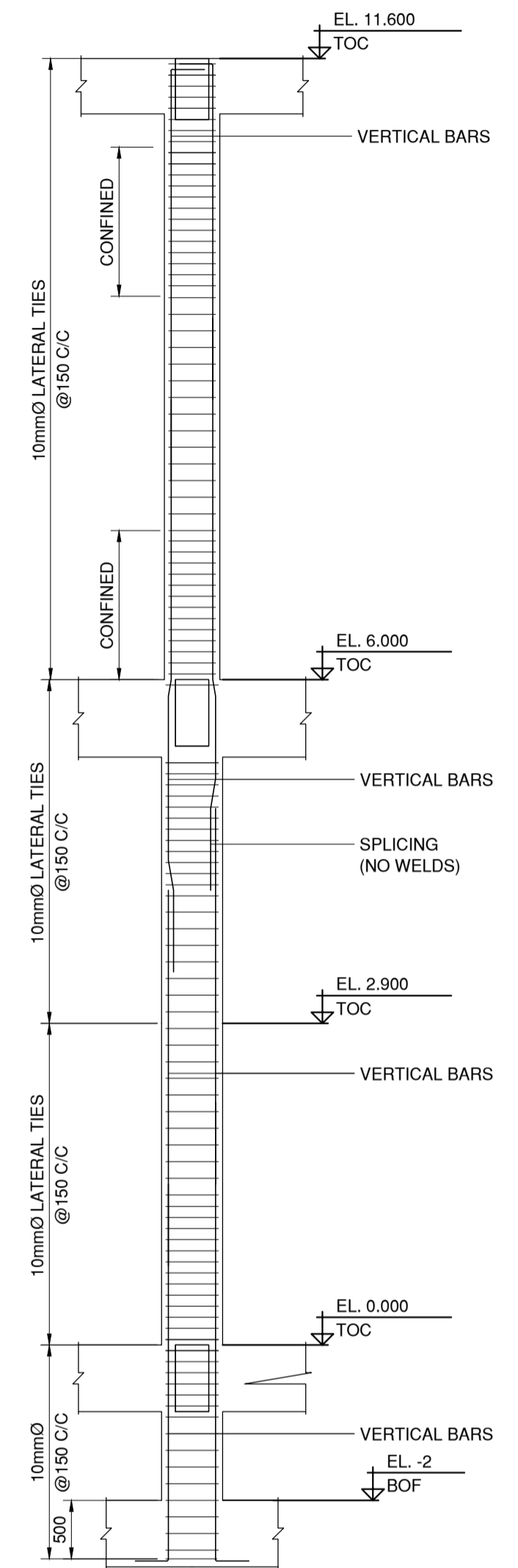
<p>in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>	STRUCTURAL ENGINEER:	SUBMITTED:	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA</p>	REVIEWED AS TO DESIGN CONCEPT:	REVIEWED AS TO DESIGN CONCEPT:	APPROVED:	PROJECT & LOCATION:	PROJECT & LOCATION:	SET NO.	SHEET NO.
	 VICTOR D. DELOS REYES, JR. REG. NO.: 76687 DATE: 04 / 16 / 2018 PTR NO.: 2202992 PLACE: PAMPANGA	 ELMER T. RAMONEDA PROJECT MANAGER		 JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	 EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	 EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIQ SUR, TUGUEGARAO CITY	F-3 ISOLATED FOOTING CF-1 COMBINED FOOTING CF-2 COMBINED FOOTING F-4 FOOTING DETAIL		

ROOF DECK	C28 : Fy414 , COVER = 40MM	C28 : Fy414 , COVER = 40MM		C28 : Fy414 , COVER = 40MM
	LINKS	LINKS		LINKS
TO	3 - SETS 10mmØ @ 150 C/C	3 - SETS 10mmØ @ 150 C/C		2 - SET 10mmØ TIES @ 150 C/C
2ND FLOOR				
	4 - 25mmØ & 8 - 20mmØ VERTICAL BARS	4 - 25mmØ & 8 - 20mmØ VERTICAL BARS		8 - 20mmØ VERTICAL BARS
2ND FLOOR	C28 : Fy414 , COVER = 40MM	C28 : Fy414 , COVER = 40MM		C28 : Fy414 , COVER = 40MM
	LINKS	LINKS		LINKS
TO	3 - SETS 10mmØ TIES @ 150 C/C	3 - SETS 10mmØ @ 150 C/C		2 - SET 10mmØ TIES @ 150 C/C
MEZZANINE LEVEL				
	12 - 25mmØ VERTICAL BARS	4 - 25mmØ & 8 - 20mmØ VERTICAL BARS		8 - 20mmØ VERTICAL BARS
MEZZANINE LEVEL	C28 : Fy414 , COVER = 40MM	C28 : Fy414 , COVER = 40MM		C28 : Fy414 , COVER = 40MM
	LINKS	LINKS	LINKS	LINKS
TO	3 - SETS 10mmØ TIES @ 150 C/C	3 - SETS 10mmØ @ 150 C/C	1 - SET 10mmØ TIES @ 150 C/C	2 - SET 10mmØ TIES @ 150 C/C
FOOTING				
	12 - 25mmØ VERTICAL BARS	4 - 25mmØ & 8 - 20mmØ VERTICAL BARS	8 - 16mmØ VERTICAL BARS	8 - 20mmØ VERTICAL BARS
COLUMN MARK	C - 1	C - 2	C - 3	C - 4

COLUMN AND WALL SCHEDULE



1 ST
05-11 SCALE 1:50MTS
COLUMN ELEVATION WITH MEZZANINE



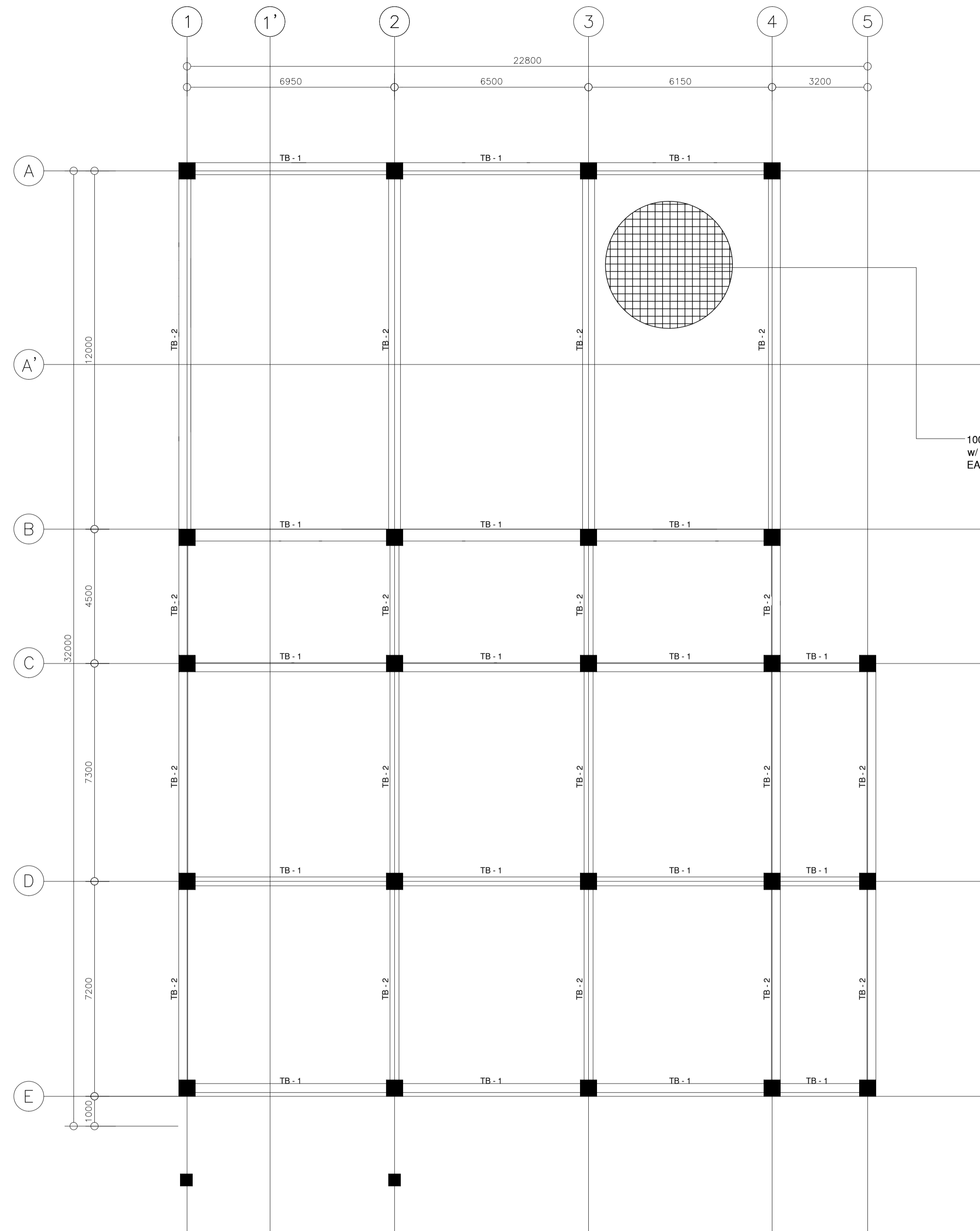
2 ST
05-11 SCALE 1:50MTS
COLUMN ELEVATION WITHOUT MEZZANINE

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

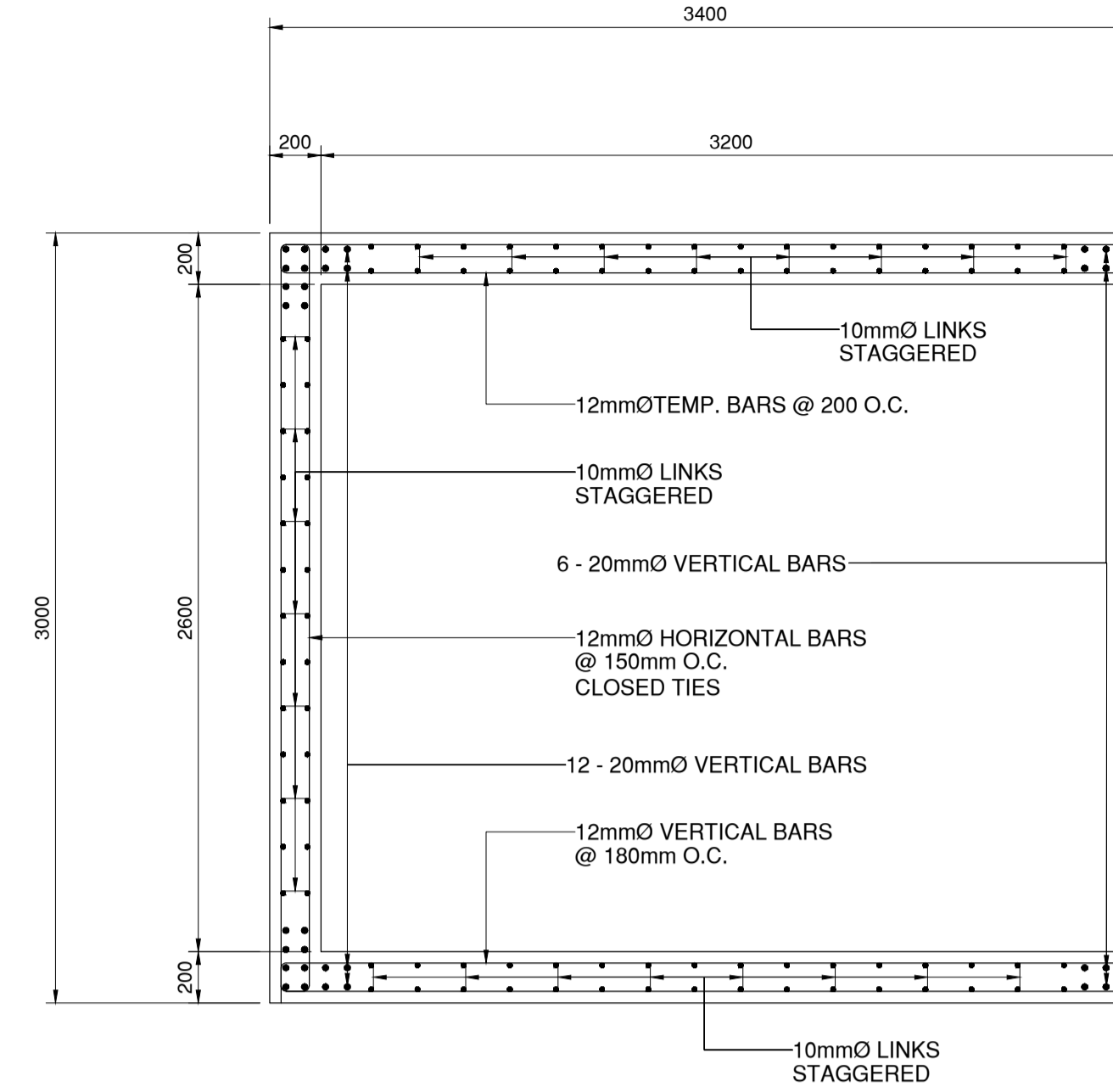
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ELMER T. RAMONEDA
PROJECT MANAGER

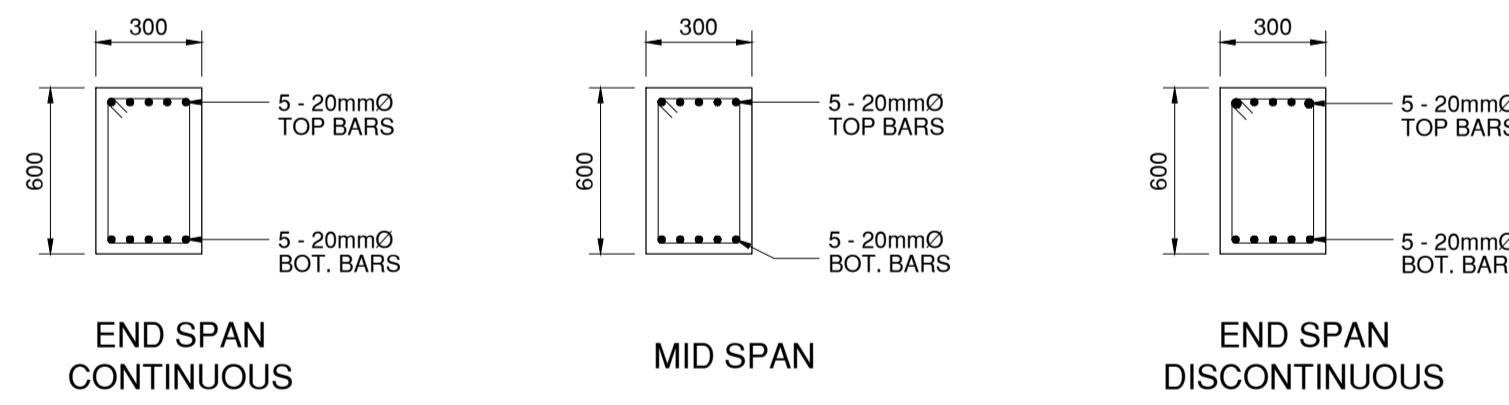
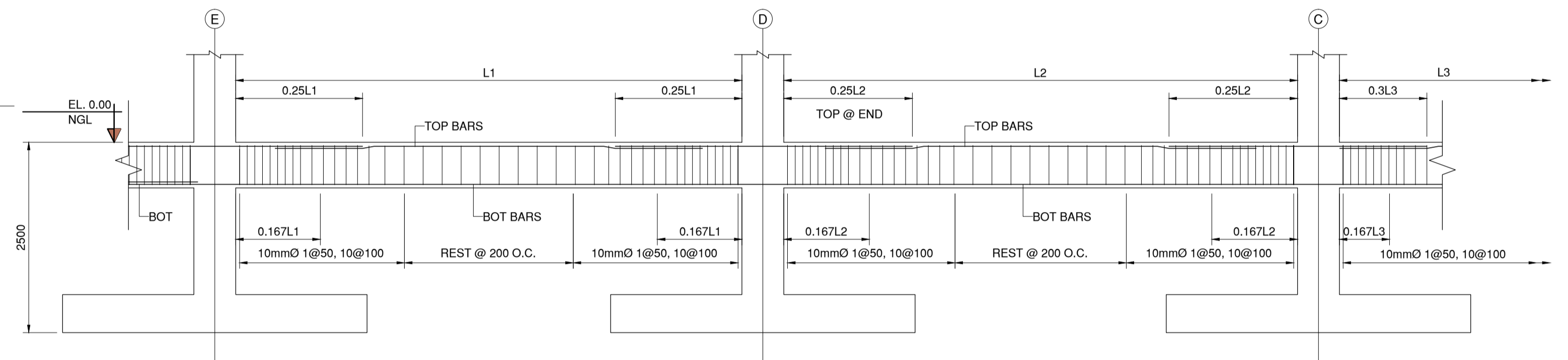
 in joint venture with ENGINEERS CONSULTANTS 	STRUCTURAL ENGINEER:	SUBMITTED:	 BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT:	REVIEWED AS TO DESIGN CONCEPT:	APPROVED:	PROJECT & LOCATION:	PROJECT & LOCATION:	SET NO.	SHEET NO.
	 VICTOR D. DELOS REYES, JR. REG. NO.: 76687 DATE: 04 / 16 / 2018 PTR. NO.: 2202992 PLACE: PAMPANGA	 ELMER T. RAMONEDA PROJECT MANAGER		 JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	 EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	 EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIIG SUR, TUGUEGARAO CITY	COLUMN AND WALL SCHEDULE COLUMN ELEVATION WITH MEZZANINE COLUMN ELEVATION WITHOUT MEZZANINE		



100mm THK. + FINISH
w/ 10mmØ @ 350mm O.C.
EACHWAY TEMP.BARS



2 | ST
06-11 SCALE 1:25MTS
SHEAR WALL DETAIL



3 | ST
06-11 SCALE 1:50MTS
TIE BEAM 1,2 & 3 DETAILS

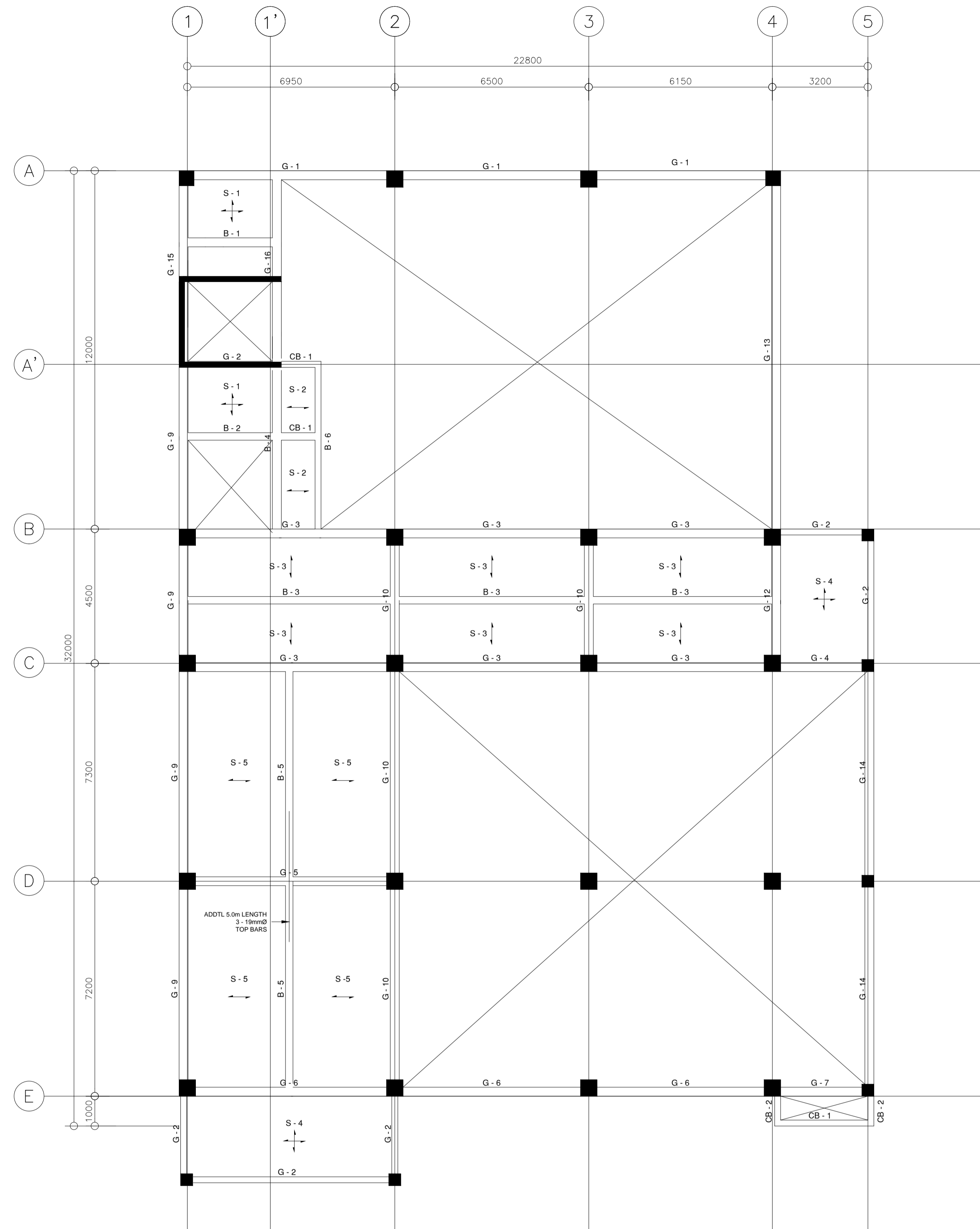
1 | ST
06-11 SCALE 1:200MTS
GROUND FLOOR FRAMING PLAN

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	STRUCTURAL ENGINEER: VICTOR D. DE LOS REYES, JR. REG. NO.: 76687 DATE: 04 / 16 / 2018 PTR NO.: 2202992 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	REVIEWED AS TO DESIGN CONCEPT: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIJ SUR, TUGUEGARAO CITY	PROJECT & LOCATION: GROUND FLOOR PLAN TIE BEAM 1, 2, & 3 DETAILS SHEAR WALL DETAIL	SET NO. 	SHEET NO.



BEAM SCHEDULE (C28:Fy414) (LEVEL: 2.9m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
G - 1	300	500	4-16mmØ	4-16mmØ	4-16mmØ	5-20mmØ	3-20mmØ	5-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 2	250	450	2-16mmØ	2-16mmØ	2-16mmØ	2-20mmØ	2-20mmØ	2-20mmØ	2L - 10mmØ 1@50,8@100, REST@200 C/C	-	-
G - 3	300	500	4-16mmØ	5-16mmØ	4-16mmØ	3-20mmØ +3-20mmØ	3-20mmØ	3-20mmØ +3-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	2-#10EF	-
G - 4	300	500	4-20mmØ +2-16mmØ	4-16mmØ	4-20mmØ +2-16mmØ	3-20mmØ +3-25mmØ	3-20mmØ	3-20mmØ +3-25mmØ	2L - 10mmØ 1@50,8@100, REST@200 C/C	-	-
G - 5	300	500	2-25mmØ	3-25mmØ +3-16mmØ	2-25mmØ	3-25mmØ +3-25mmØ	4-16mmØ	3-25mmØ +3-25mmØ	2L - 10mmØ 1@50,12@100, REST@200 C/C	-	-
G - 6	300	500	4-16mmØ	4-16mmØ	4-16mmØ	4-16mmØ +4-16mmØ	4-16mmØ	4-16mmØ +4-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 7	300	500	4-16mmØ +4-16mmØ	4-16mmØ	4-16mmØ	4-16mmØ +4-16mmØ	4-16mmØ	4-16mmØ +4-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 8	250	450	3-16mmØ	2-16mmØ	3-16mmØ	3-20mmØ	2-20mmØ	3-20mmØ	2L - 10mmØ 1@50,15@100, REST@200 C/C	-	-
G - 9	300	500	4-16mmØ	4-16mmØ	4-16mmØ	4-16mmØ +3-16mmØ	4-16mmØ	4-16mmØ +3-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 10	300	500	4-16mmØ	4-16mmØ	4-16mmØ	3-20mmØ +3-20mmØ	3-20mmØ	3-20mmØ +3-20mmØ	2L - 10mmØ 1@50,15@100, REST@200 C/C	2-#10EF	-
G - 12	300	500	4-16mmØ	5-16mmØ	4-16mmØ	3-20mmØ +3-20mmØ	3-20mmØ	3-20mmØ +3-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 13	300	600	4-16mmØ	5-16mmØ	4-Ø16	3-20mmØ +3-20mmØ	3-20mmØ	3-20mmØ +3-20mmØ	2L - 10mmØ 1@50,15@100, REST@200 C/C	-	-
G - 14	300	500	4-16mmØ	5-16mmØ	4-16mmØ	4-20mmØ	3-20mmØ	4-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 15	300	500	4-16mmØ +4-16mmØ	5-16mmØ +4-16mmØ	4-16mmØ +4-16mmØ	3-25mmØ +4-16mmØ	3-25mmØ	3-25mmØ +4-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
G - 16	300	500	3-25mmØ +2-16mmØ	3-25mmØ	3-25mmØ	3-25mmØ +4-16mmØ	3-25mmØ	3-25mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
B - 1	300	500	3-16mmØ	3-16mmØ	3-16mmØ	3-16mmØ	3-16mmØ	3-16mmØ	2L - 10mmØ 1@50,8@100, REST@200 C/C	-	-
B - 2	200	400	2-20mmØ	2-20mmØ	2-20mmØ	3-20mmØ	2-20mmØ	3-20mmØ	2L - 10mmØ 1@50,15@100, REST@200 C/C	-	-
B - 3	300	450	3-20mmØ	3-20mmØ	3-20mmØ	4-20mmØ	3-20mmØ	4-20mmØ	2L - 10mmØ 1@50,12@100, REST@200 C/C	-	-
B - 4	300	500	3-16mmØ	3-16mmØ	3-16mmØ	4-16mmØ	4-16mmØ	4-16mmØ +3-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
B - 5	300	500	4-16mmØ	4-16mmØ +2-16mmØ	4-16mmØ	3-20mmØ	3-20mmØ	3-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
B - 6	250	450	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2L - 10mmØ 1@50,15@100, REST@200 C/C	-	-
CB - 1	250	450	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2-16mmØ	2L - 10mmØ 1@50, REST@100 C/C	-	CANTILEVERED
CB - 2	300	450	2-20mmØ +2-20mmØ	2-20mmØ +2-20mmØ	2-20mmØ +2-20mmØ	2-20mmØ +2-16mmØ	2-20mmØ +2-16mmØ	2-20mmØ +2-16mmØ	2L - 10mmØ 1@50,10@100, 6 @150 REST@200 C/C	-	CANTILEVERED

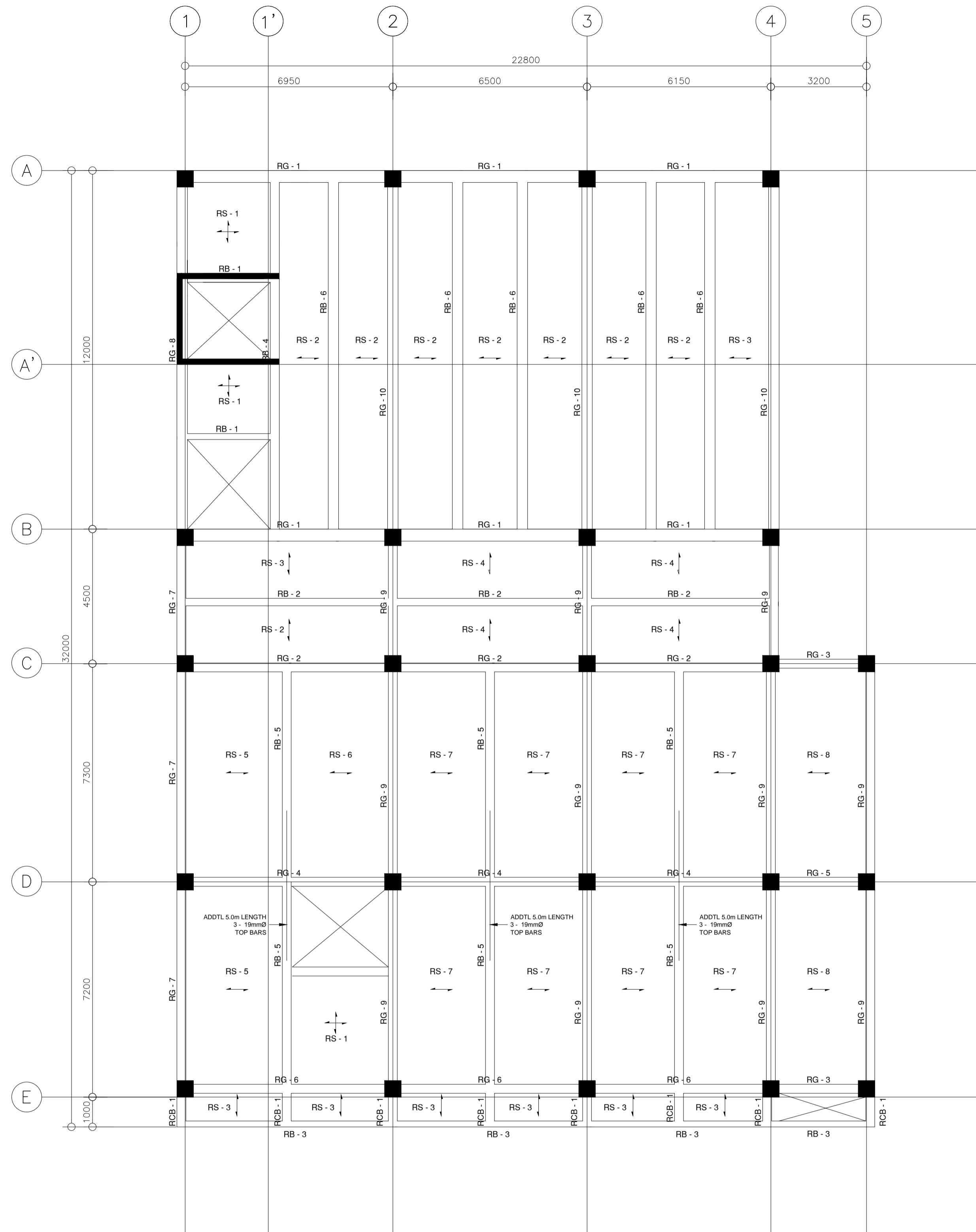
1 | ST MEZZANINE FRAMING PLAN
07-11 SCALE 1:200M/T

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ELMER T. RAMONEDA
PROJECT MANAGER

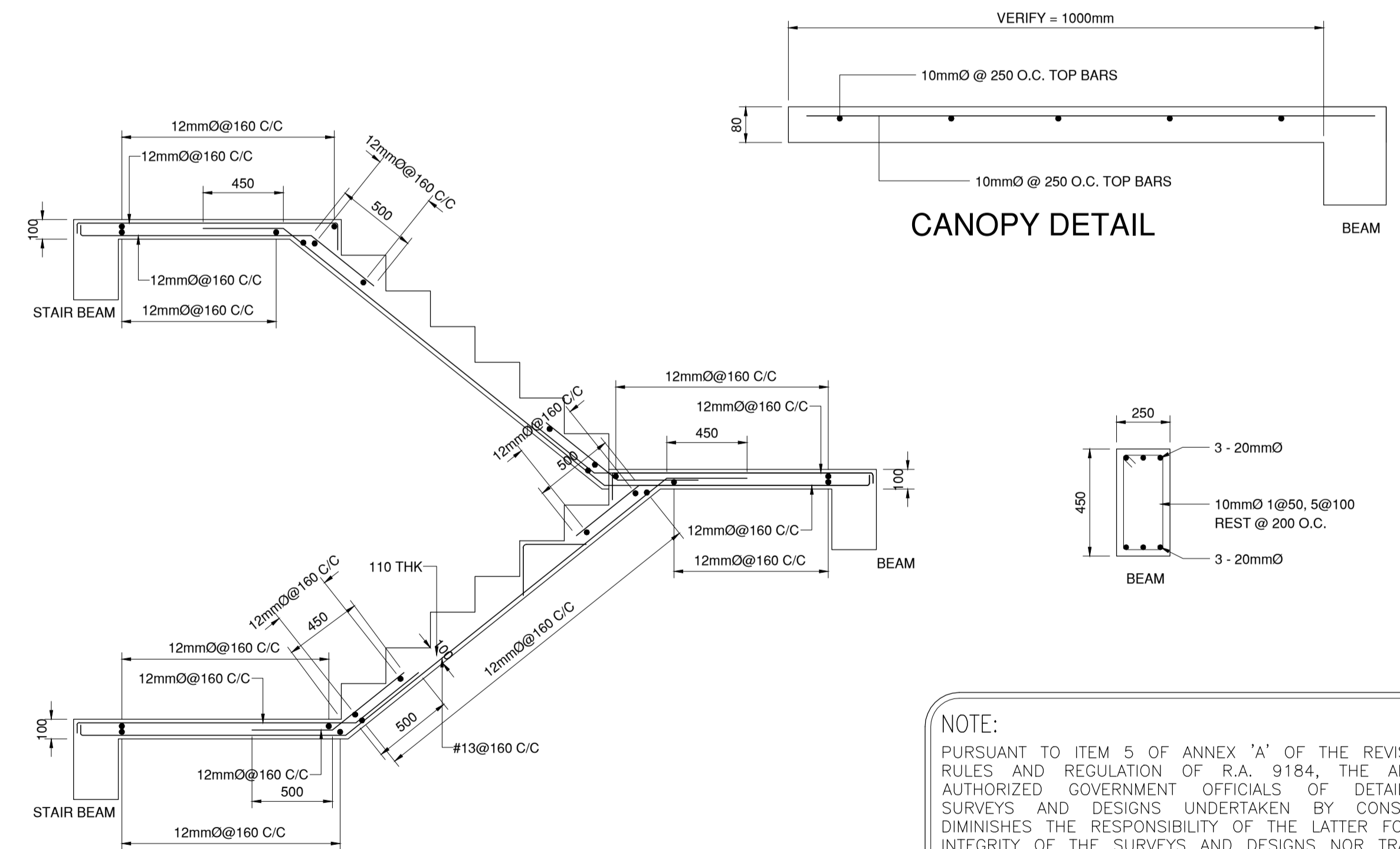
<p>in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>	STRUCTURAL ENGINEER: VICTOR D. DELOS REYES, JR. REG. NO.: 76687 DATE: 04 / 16 / 2018 PTR. NO.: 2202992 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	REVIEWED AS TO DESIGN CONCEPT: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIIG SUR, TUGUEGARAO CITY	PROJECT & LOCATION: MEZZANINE FRAMING PLAN BEAM SCHEDULE (LEVEL: 2.9M)	SET NO.	SHEET NO.



1 | ST
09-11 SCALE 1:200MTS
ROOF DECK FRAMING PLAN

BEAM SCHEDULE (C28:Fy414) (LEVEL: 11.6m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS	SFR	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
RG - 1	350	700	4-25mmØ	5-25mmØ	4-25mmØ	5-25mmØ	4-25mmØ	5-25mmØ	2L - 10mmØ 1@50,10@100, 6@150, REST@200 C/C	3-#16EF	-
RG - 2	300	550	3-20mmØ	3-20mmØ +2-16mmØ	3-20mmØ	3-20mmØ +3-20mmØ	3-20mmØ	3-20mmØ +3-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RG - 3	300	550	3-20mmØ	3-20mmØ	3-20mmØ	4-20mmØ	4-16mmØ	4-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RG - 4	300	550	2-25mmØ +2-16mmØ	3-25mmØ +3-25mmØ	2-25mmØ +2-16mmØ	3-25mmØ +3-25mmØ	2-25mmØ +2-16mmØ	3-25mmØ +3-25mmØ	2L - 10mmØ 1@50,12@100, REST@150 C/C	-	-
RG - 5	300	550	3-20mmØ	3-20mmØ	3-20mmØ	3-25mmØ +3-25mmØ	3-20mmØ	3-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RG - 6	300	500	3-20mmØ	3-20mmØ +3-16mmØ	3-20mmØ	3-20mmØ +3-16mmØ	3-20mmØ	3-20mmØ +3-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RCB - 1	300	550	4-16mmØ	5-16mmØ	4-16mmØ	4-20mmØ	4-20mmØ	4-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	CANTILEVERED
RG - 7	300	550	4-16mmØ	4-16mmØ	4-16mmØ	4-20mmØ	3-20mmØ	4-20mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RG - 8	350	700	4-20mmØ	4-20mmØ +2-16mmØ	4-20mmØ	4-20mmØ	3-20mmØ	4-20mmØ +2-16mmØ	2L - 10mmØ 1@50,10@100, 6@150, REST@200 C/C	2-#16EF	-
RG - 9	300	550	4-16mmØ	5-16mmØ	4-16mmØ	4-20mmØ +2-16mmØ	4-20mmØ	4-20mmØ +2-16mmØ	2L - 10mmØ 1@50,12@100, REST@150 C/C	1-#16EF	CANTILEVERED
RG - 10	350	700	4-25mmØ	4-25mmØ +4-16mmØ	4-25mmØ	4-25mmØ +4-16mmØ	4-25mmØ	4-25mmØ +4-16mmØ	2L - 10mmØ 1@50,10@100, 6@150, REST@200 C/C	2-#16EF	-
RB - 1	300	500	3-16mmØ	4-16mmØ	3-16mmØ	4-16mmØ	3-16mmØ	4-16mmØ	2L - 10mmØ 1@50,10@100, REST@200 C/C	-	-
RB - 2	300	500	3-20mmØ	3-20mmØ +2-16mmØ	3-20mmØ	3-20mmØ +2-16mmØ	3-20mmØ	3-20mmØ +2-16mmØ	2L - 10mmØ 1@50,12@100, REST@180 C/C	-	-
RB - 3	300	450	3-16mmØ	3-20mmØ	3-16mmØ	3-20mmØ	3-20mmØ	3-20mmØ	2L - 10mmØ 1@50,12@100, REST@150 C/C	-	-
RB - 4	350	700	4-20mmØ	5-20mmØ	4-20mmØ	5-20mmØ	4-20mmØ	5-20mmØ	2L - 10mmØ 1@50,10@100, 6@150, REST@200 C/C	2-#16EF	-
RB - 5	300	550	3-20mmØ	3-20mmØ +4-16mmØ	3-20mmØ	3-20mmØ	3-20mmØ	3-20mmØ	2L - 10mmØ 1@50,12@100, REST@180 C/C	-	-
RB - 6	350	700	4-25mmØ	4-25mmØ +4-16mmØ	4-25mmØ	4-25mmØ +4-16mmØ	4-25mmØ	4-25mmØ +4-16mmØ	2L - 10mmØ 1@50,10@100, 6@150, REST@200 C/C	2-#16EF	-



2 | ST
09-11 SCALE 1:25MTS
STAIR DETAILS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER

SLAB SCHEDULE (C28 : FY276) (LEVEL : 2.9M)

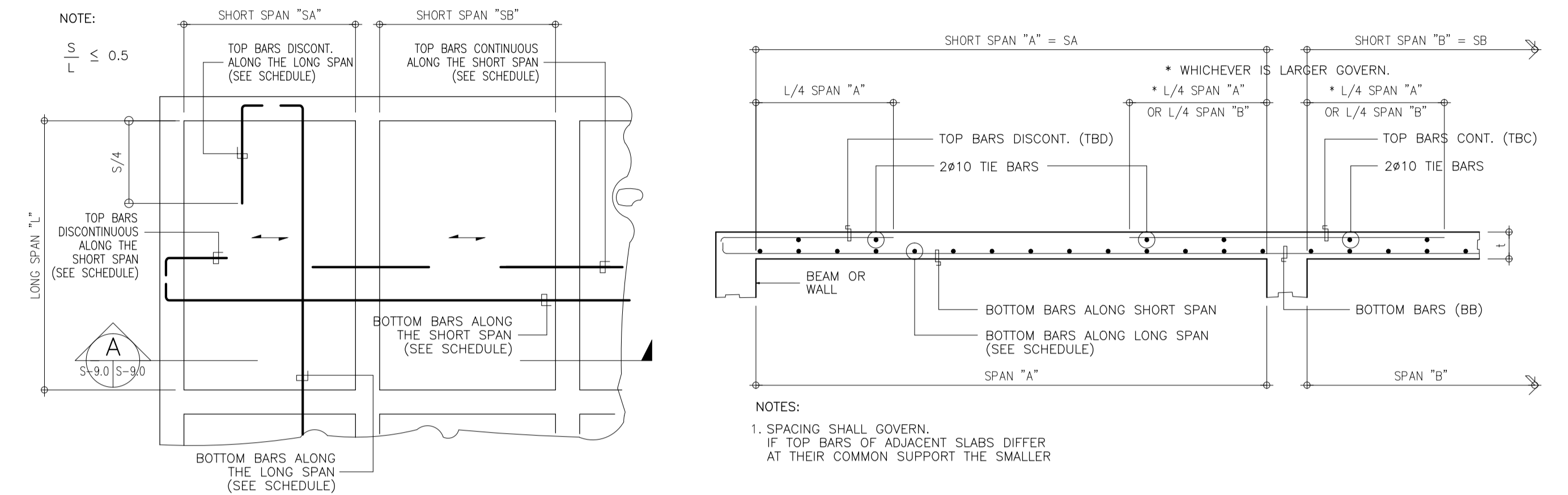
SLAB MARKED	SLAB THICKNESS	BAR DIAMETER	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
			ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
			FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S-1	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	TWO WAY
S-2	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	ONE WAY
S-3	100	10mmØ	10mmØ @ 300 C/C	10mmØ @ 300 C/C	10mmØ @ 300 C/C	10mmØ @ 300 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	ONE WAY
S-4	80	10mmØ	10mmØ @ 200 C/C	---	10mmØ @ 200 C/C	---	10mmØ @ 200 C/C	10mmØ @ 200 C/C	---	10mmØ @ 200 C/C	10mmØ @ 200 C/C	---
S-5	110	12mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---

SLAB SCHEDULE (C28 : FY276) (LEVEL : 6M)

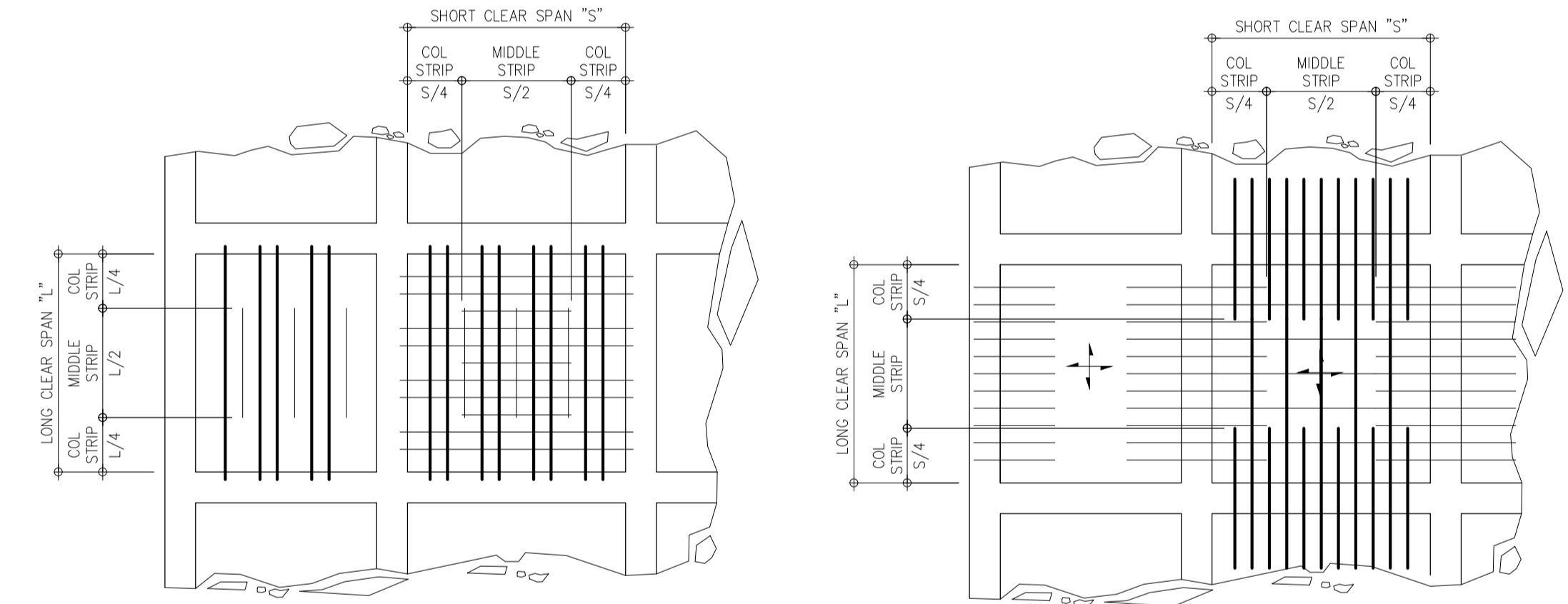
SLAB MARKED	SLAB THICKNESS	BAR DIAMETER	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
			ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
			FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
2S-1	110	12mmØ	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	12mmØ @ 160 C/C	12mmØ @ 160 C/C	12mmØ @ 160 C/C	12mmØ @ 160 C/C	---
2S-2	110	12mmØ	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	---	---	12mmØ @ 160 C/C	12mmØ @ 160 C/C	---
2S-3	110	12mmØ	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	12mmØ @ 160 C/C	---	12mmØ @ 160 C/C	12mmØ @ 160 C/C	---
2S-4	125	12 / 16mmØ	12mmØ @ 260 C/C	12mmØ @ 260 C/C	12mmØ @ 180 C/C	---	16mmØ @ 140 C/C	12mmØ @ 180 C/C	---	12mmØ @ 180 C/C	12mmØ @ 180 C/C	---
2S-5	125	12mmØ	12mmØ @ 300 C/C	12mmØ @ 300 C/C	12mmØ @ 180 C/C	---	12mmØ @ 100 C/C	---	---	12mmØ @ 180 C/C	12mmØ @ 180 C/C	---
2S-6	125	12mmØ	12mmØ @ 180 C/C	---	12mmØ @ 180 C/C	---	12mmØ @ 110 C/C	12mmØ @ 180 C/C	---	12mmØ @ 180 C/C	12mmØ @ 180 C/C	---

SLAB SCHEDULE (C28 : FY276) (LEVEL : 11.6M)

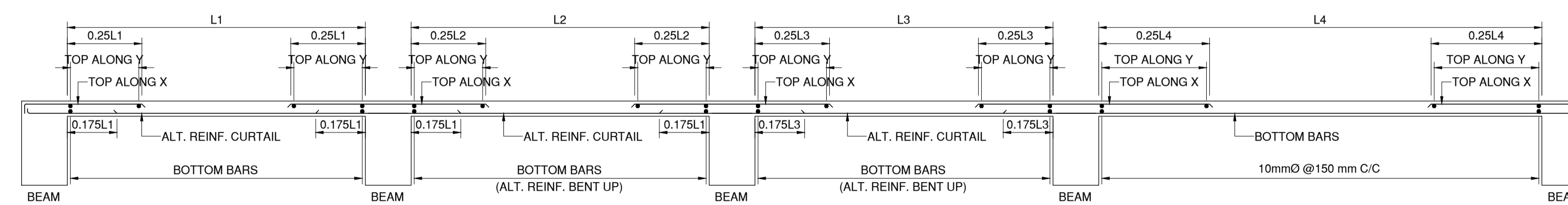
SLAB MARKED	SLAB THICKNESS	BAR DIAMETER	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
			ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
			FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
RS-1	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-2	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-3	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-4	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-5	100	10 / 12mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	12mmØ @ 145 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-6	100	10 / 12mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	12mmØ @ 145 C/C	---	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-7	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 125 C/C	---	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---
RS-8	100	10mmØ	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	---	10mmØ @ 130 C/C	10mmØ @ 150 C/C	---	10mmØ @ 150 C/C	10mmØ @ 150 C/C	---



1 ST ONE WAY SLAB DETAILS
10-11 SCALE NTS



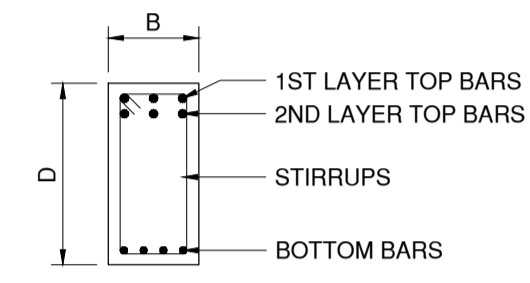
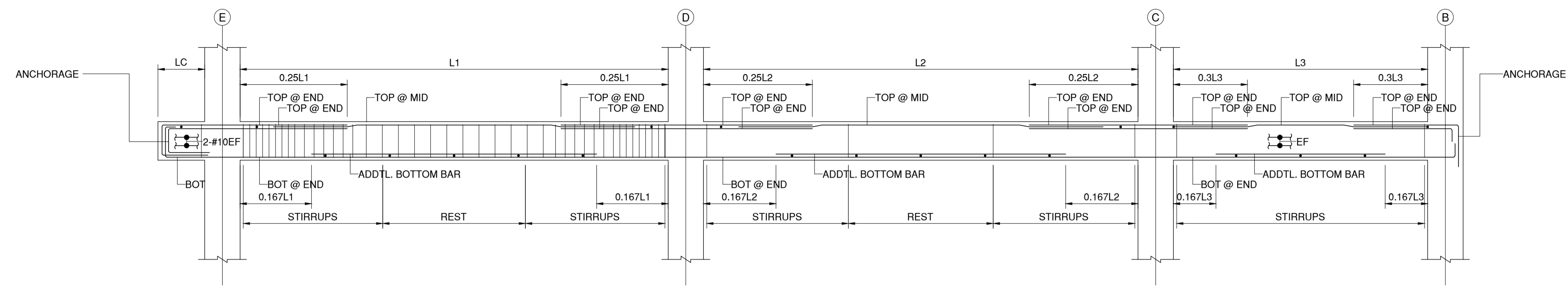
1 ST TWO WAY SLAB DETAILS
10-11 SCALE NTS



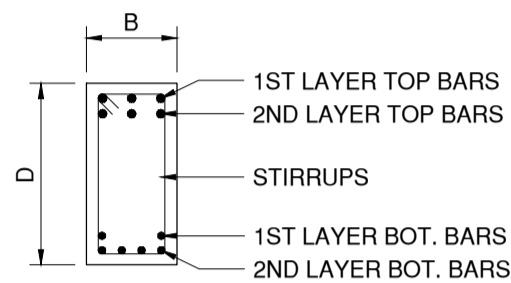
NOTE:
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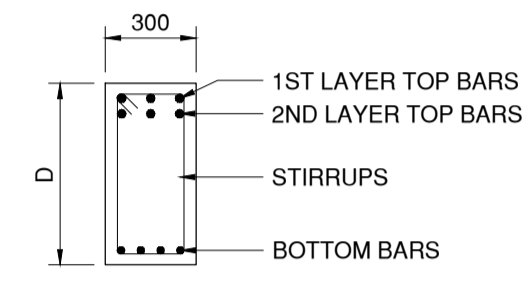
Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER



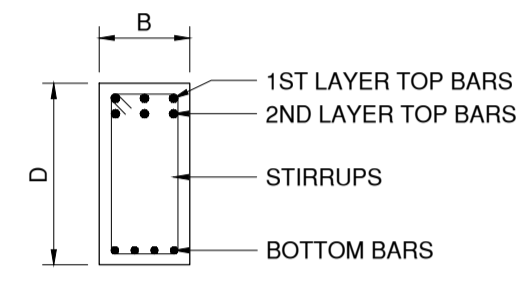
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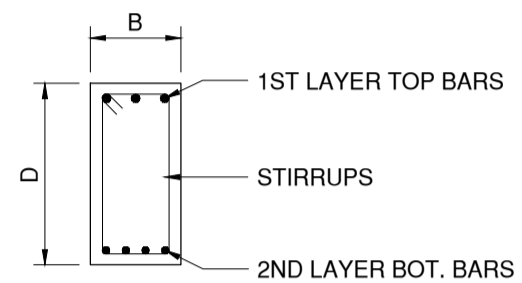
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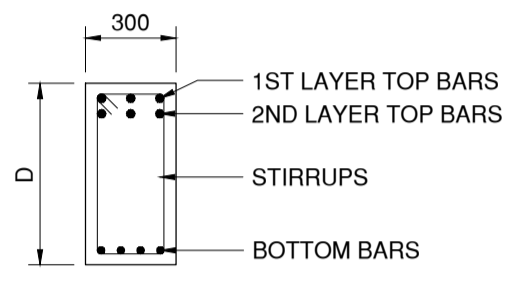
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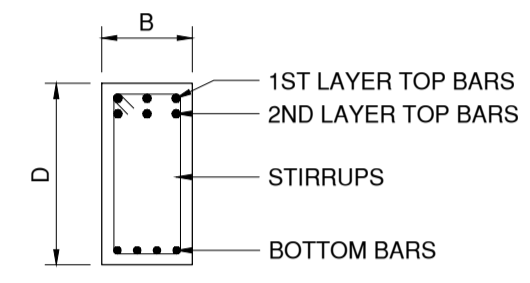
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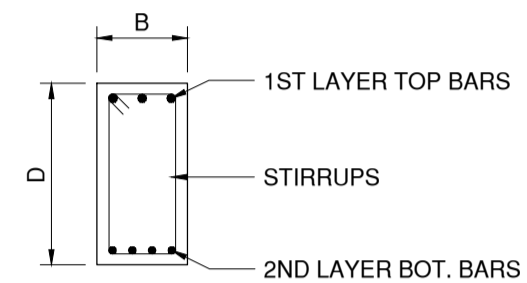
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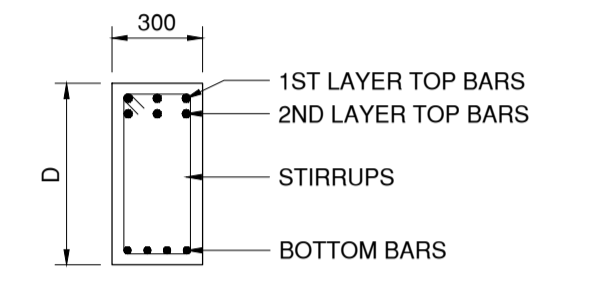
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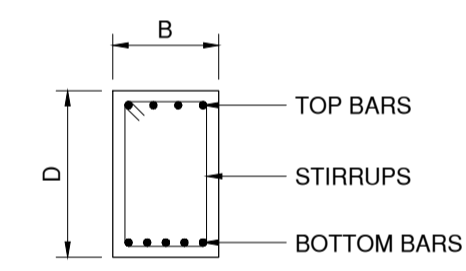
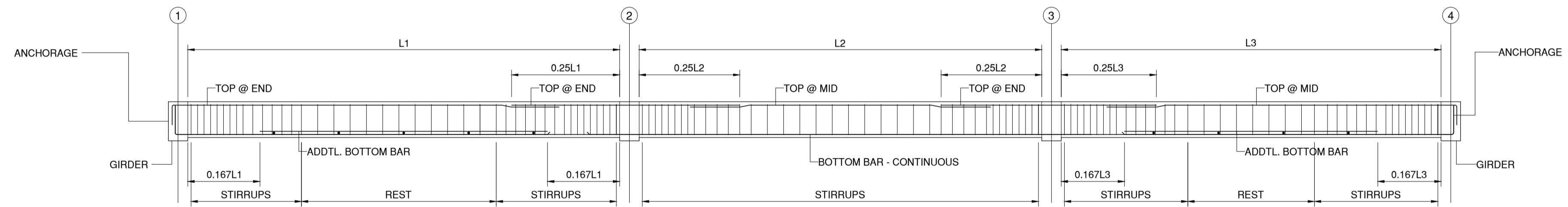
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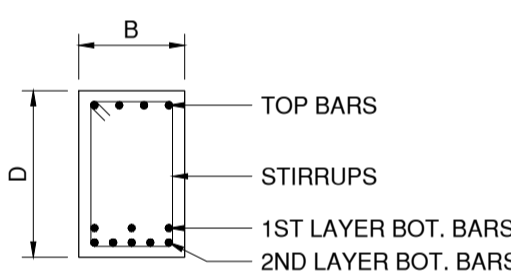
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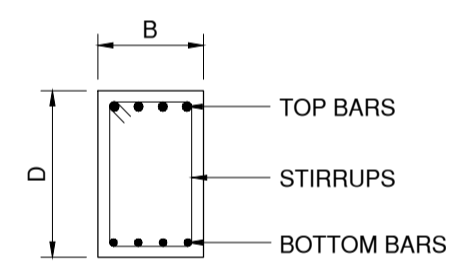
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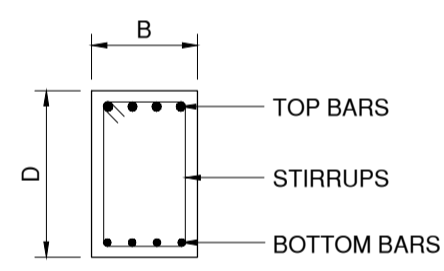
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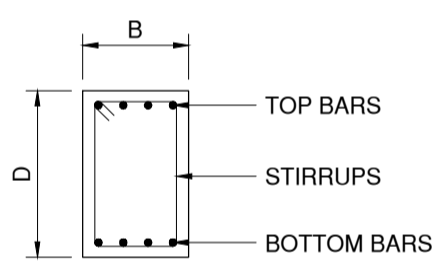
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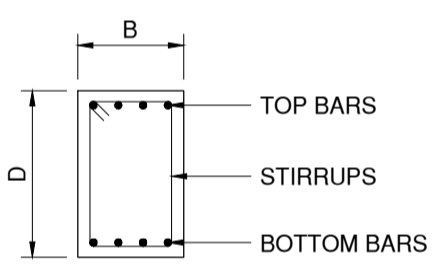
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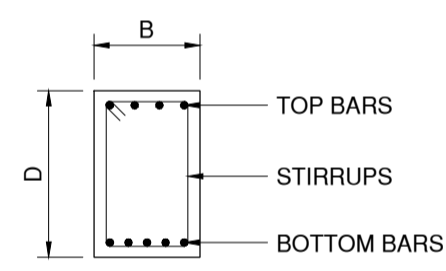
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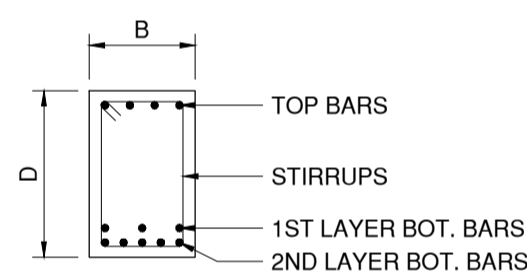
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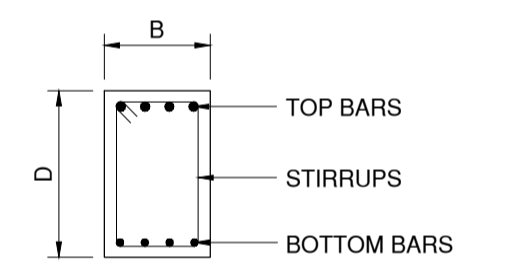
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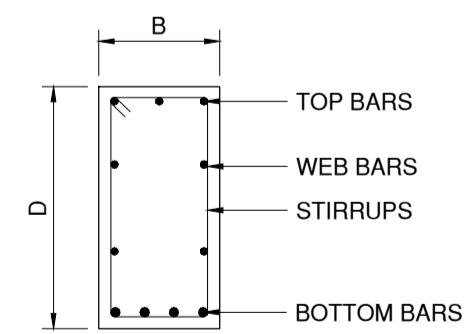
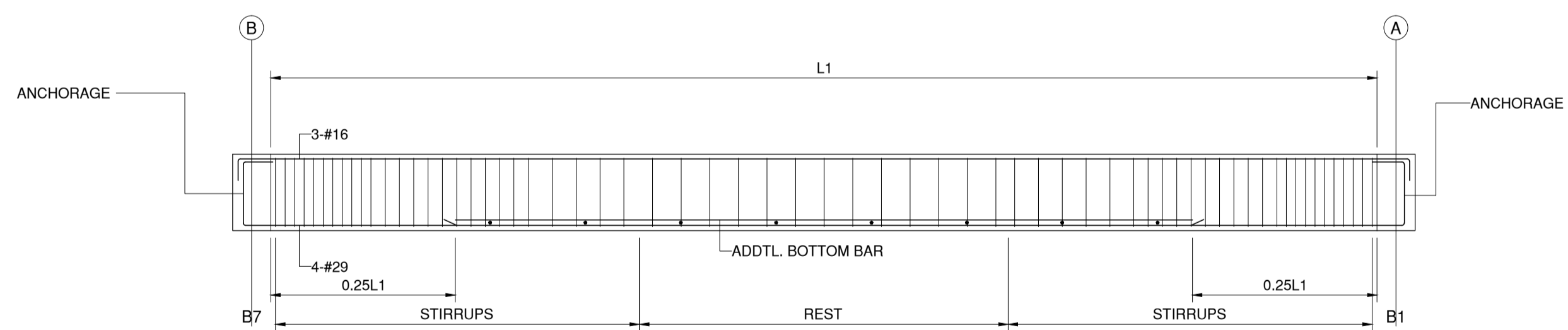
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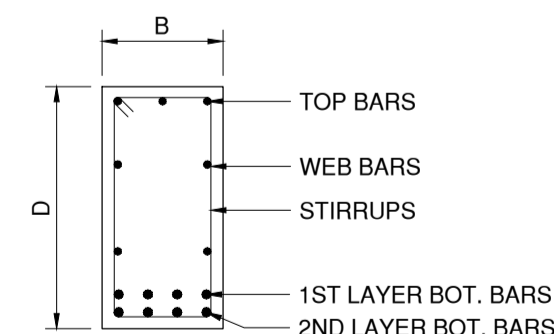
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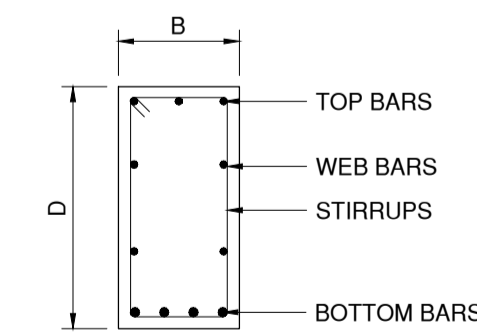
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END SPAN DISCONTINUOUS



MID SPAN



END SPAN DISCONTINUOUS

1 ST BEAM DETAILS
11-11 SCALE NTS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
PROJECT MANAGER

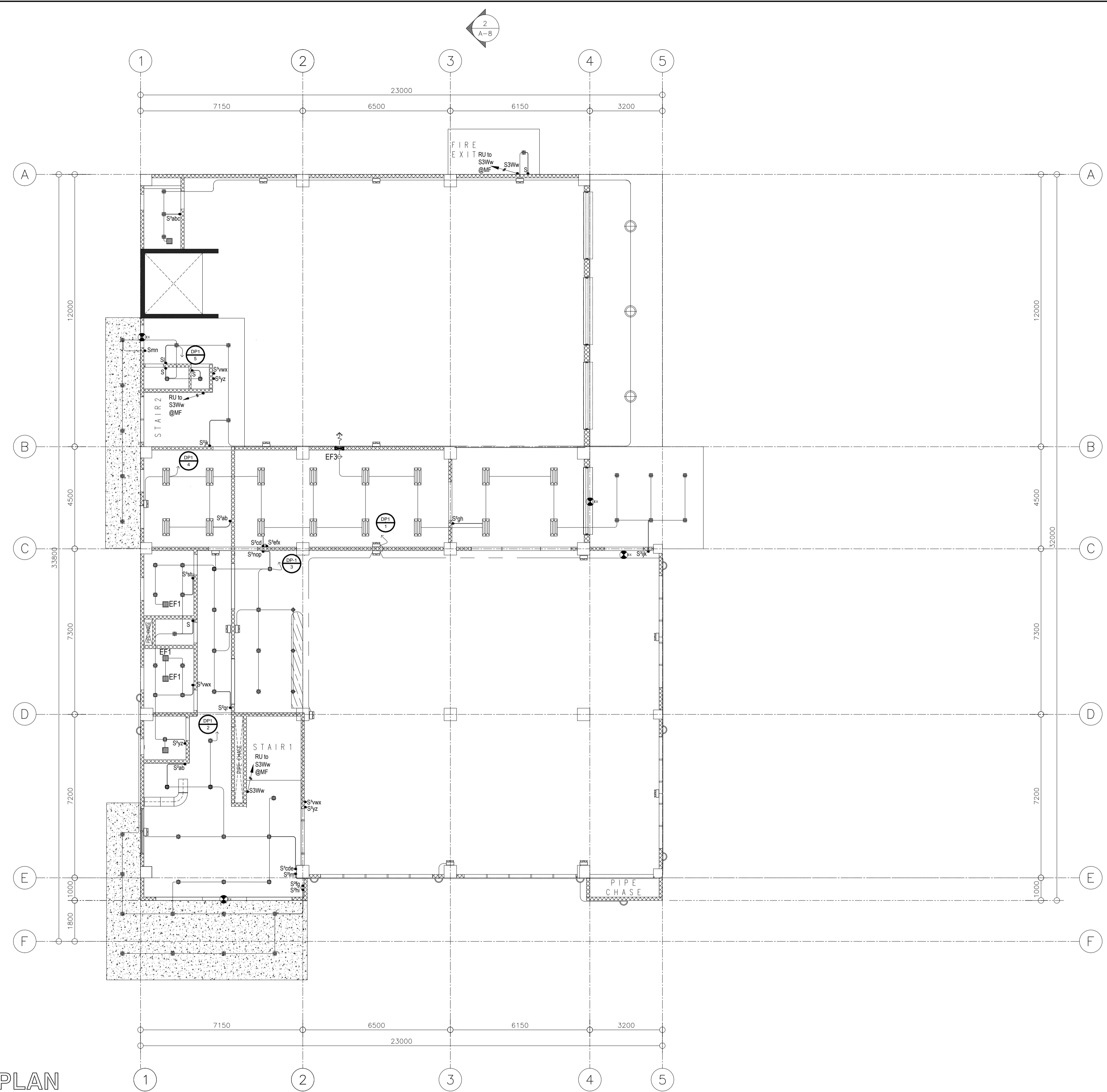
<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>	STRUCTURAL ENGINEER: VICTOR D. DELOS REYES, JR. REG. NO.: 76687 DATE: 04/16/2018 PTR NO.: 2202992 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA</p>	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	REVIEWED AS TO DESIGN CONCEPT: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPORT BUILDING, REGION II BUREAU OF DESIGN BUILDING DIVISION CARIJ SUR, TUGUEGARAO CITY	PROJECT & LOCATION: BEAM DETAILS	SET NO. 	SHEET NO.

SCHEDULE OF LIGHTING FIXTURES

ITEMS	DESCRIPTION
	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	2X16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
	400 MM DIA ROUND HIGH BAY (90 WATTS, LED - DAYLIGHT)
	500MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
	WALL SCENE/WALL LAMP (VERIFY SPECS.)
	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)

LEGENDS/ABBREVIATION

ITEMS	DESCRIPTION
	EXIT SIGN
	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
	EMERGENCY LIGHT
	CEILING MOUNTED EXHAUST FAN
	RISER UP/RISER DOWN "x" denotes specified floor
	SINGLE CONVENIENCE OUTLET
	SINGLE POLE WALL SWITCH
	TWO-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-WAY SWITCH
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



LIGHTING LAYOUT GROUND FLOOR PLAN
 SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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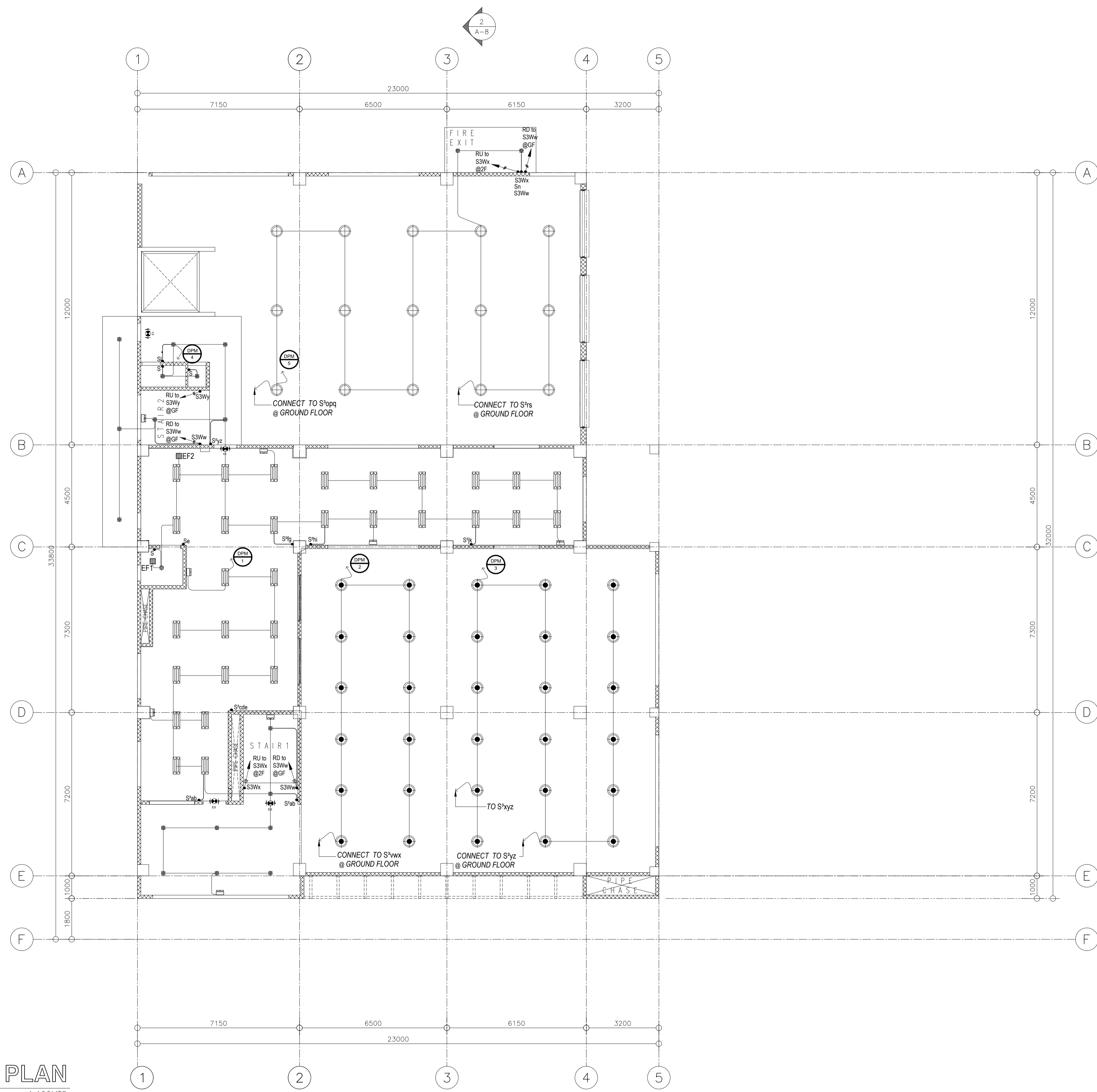
 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR LIGHTING LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
	REG. NO.: 0002980 PTR. NO.: 1076338	DATE: FEB-09-2018 PLACE: PAMPANGA								

SCHEDULE OF LIGHTING FIXTURES

ITEMS	DESCRIPTION
	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	2X16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
	400 MM DIA ROUND HIGH BAY (90 WATTS, LED - DAYLIGHT)
	500MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
	WALL SCENE/WALL LAMP (VERIFY SPECS.)
	150x150mm CEILING MOUNTED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)

LEGENDS/ABBREVIATION

ITEMS	DESCRIPTION
	EXIT SIGN
	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
	EMERGENCY LIGHT
	CEILING MOUNTED EXHAUST FAN
	RISER UP/RISER DOWN "x" denotes specified floor
	SINGLE CONVENIENCE OUTLET
	SINGLE POLE WALL SWITCH
	TWO-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-WAY SWITCH
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



LIGHTING LAYOUT MEZZANINE FLOOR PLAN
 SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
 THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
 PROJECT MANAGER

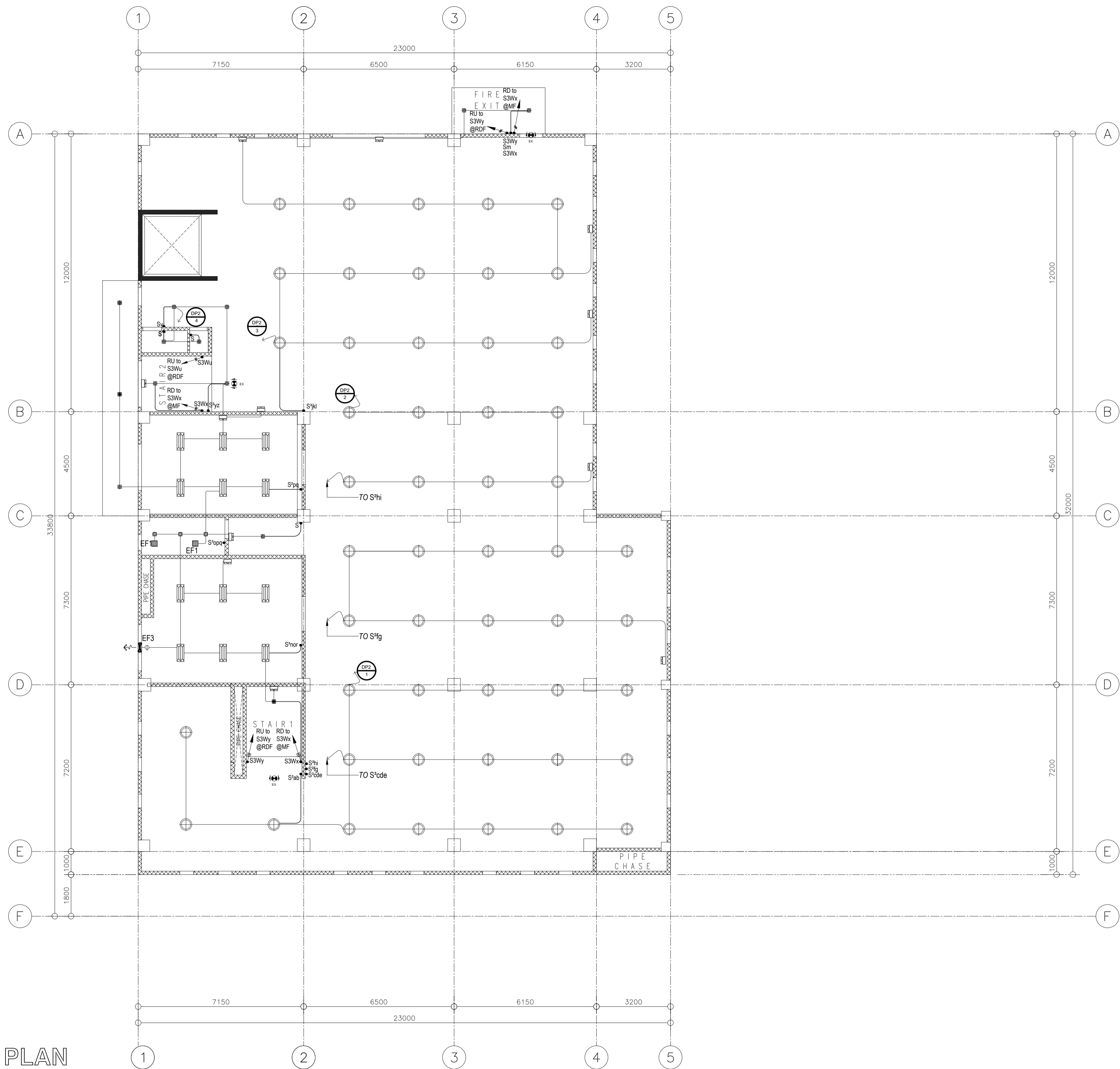
 in joint venture with CONSULTING ENGINEERS 	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN REG. NO.: 0002980 DATE: FEB-09-2018 PTR. NO.: 1076338 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE FLOOR LIGHTING LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
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SCHEDULE OF LIGHTING FIXTURES

ITEMS	DESCRIPTION
⊕	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
☰	2X16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
⊙	400 MM DIA. ROUND HIGH BAY (90 WATTS, LED - DAYLIGHT)
⊙	500MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
⊕	WALL SCONCE/WALL LAMP (VERIFY SPECS.)
⊕	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
⊕	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)

LEGENDS/ABBREVIATION

ITEMS	DESCRIPTION
EX	EXIT SIGN
EX	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
☐	EMERGENCY LIGHT
☐	CEILING MOUNTED EXHAUST FAN
RURD to xF	RISER UP/RISER DOWN "x" denotes specified floor
⊖	SINGLE CONVENIENCE OUTLET
S	SINGLE POLE WALL SWITCH
S ²	TWO-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
S ³	THREE-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
S3W	THREE-WAY SWITCH
DP2	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



LIGHTING LAYOUT SECOND FLOOR PLAN
 SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
 PROJECT MANAGER

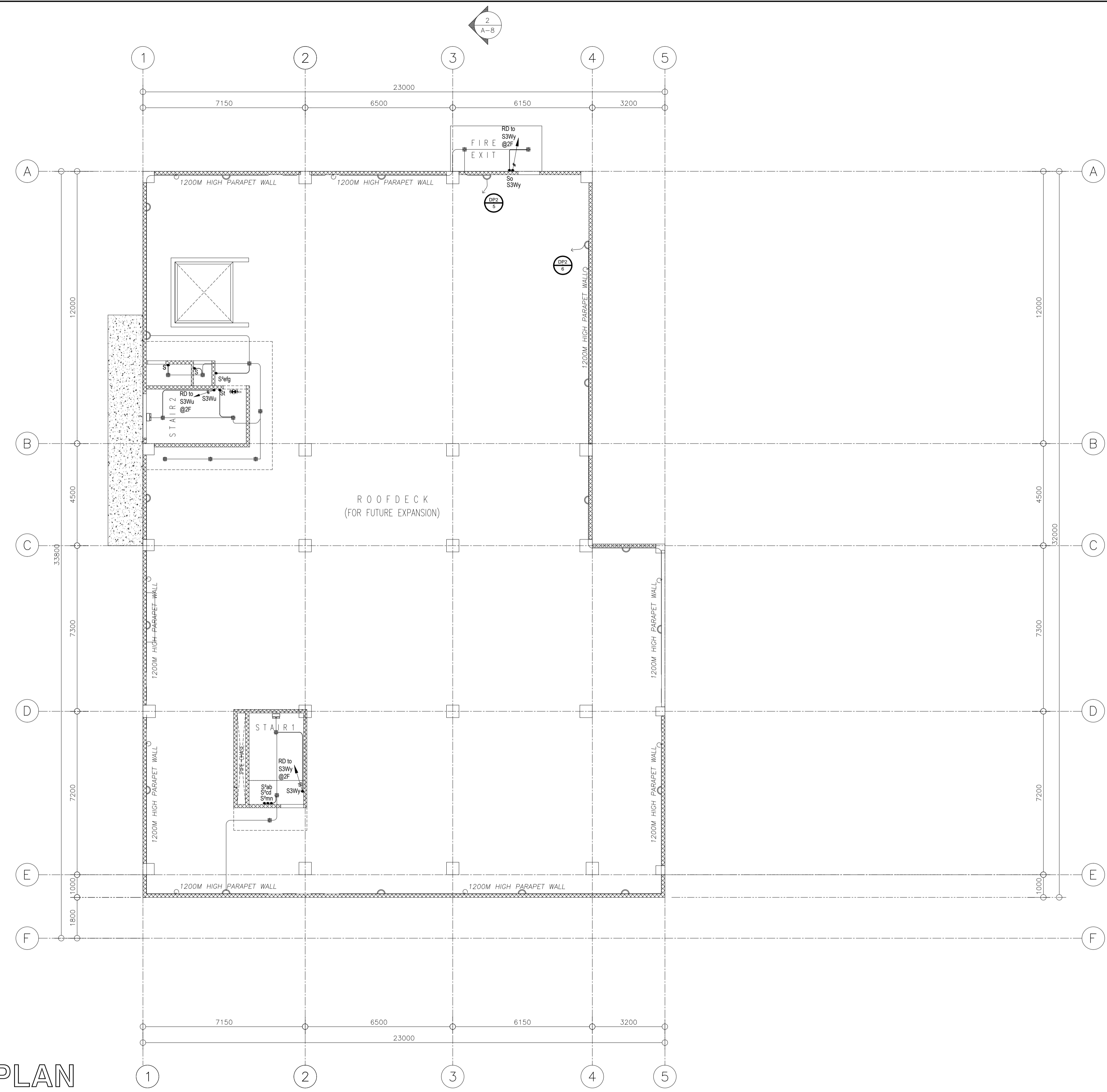
<p>in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN REG. NO.: 0002980 DATE: FEB-09-2018 PTR. NO.: 1076338 PLACE: PAMPANGA	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR LIGHTING LAYOUT Scale 1:100m	SET NO. EL	SHEET NO. 3 12
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SCHEDULE OF LIGHTING FIXTURES

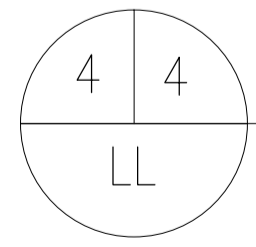
ITEMS	DESCRIPTION
	150x150mm RECESSED DOWNLIGHT SQUARE 15 WATTS (LED WARM WHITE)
	2X16 WATTS TROFFER LIGHT LED - DAYLIGHT (VERIFY SPECS.)
	400 MM DIA ROUND HIGH BAY (90 WATTS, LED - DAYLIGHT)
	500MM DIA. ROUND HIGH BAY (100 WATTS, LED - DAYLIGHT)
	WALL SCENE/WALL LAMP (VERIFY SPECS.)
	150x150mm CEILING MOUNTED DOWNLIGHT, SQUARE 15 WATTS (LED WARM WHITE)
	150 DIAMETER MM RECESSED DOWNLIGHT ROUND 8 WATTS (LED WARM WHITE)

LEGENDS/ABBREVIATION

ITEMS	DESCRIPTION
	EXIT SIGN
	DOUBLE SIDED EXIT SIGN WITH DIRECTIONAL ARROW
	EMERGENCY LIGHT
	CEILING MOUNTED EXHAUST FAN
	RISER UP/RISER DOWN "x" denotes specified floor
	SINGLE CONVENIENCE OUTLET
	SINGLE POLE WALL SWITCH
	TWO-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-SINGLE POLE WALL SWITCH ON ONE SWITCHPLATE
	THREE-WAY SWITCH
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



LIGHTING LAYOUT ROOF DECK PLAN



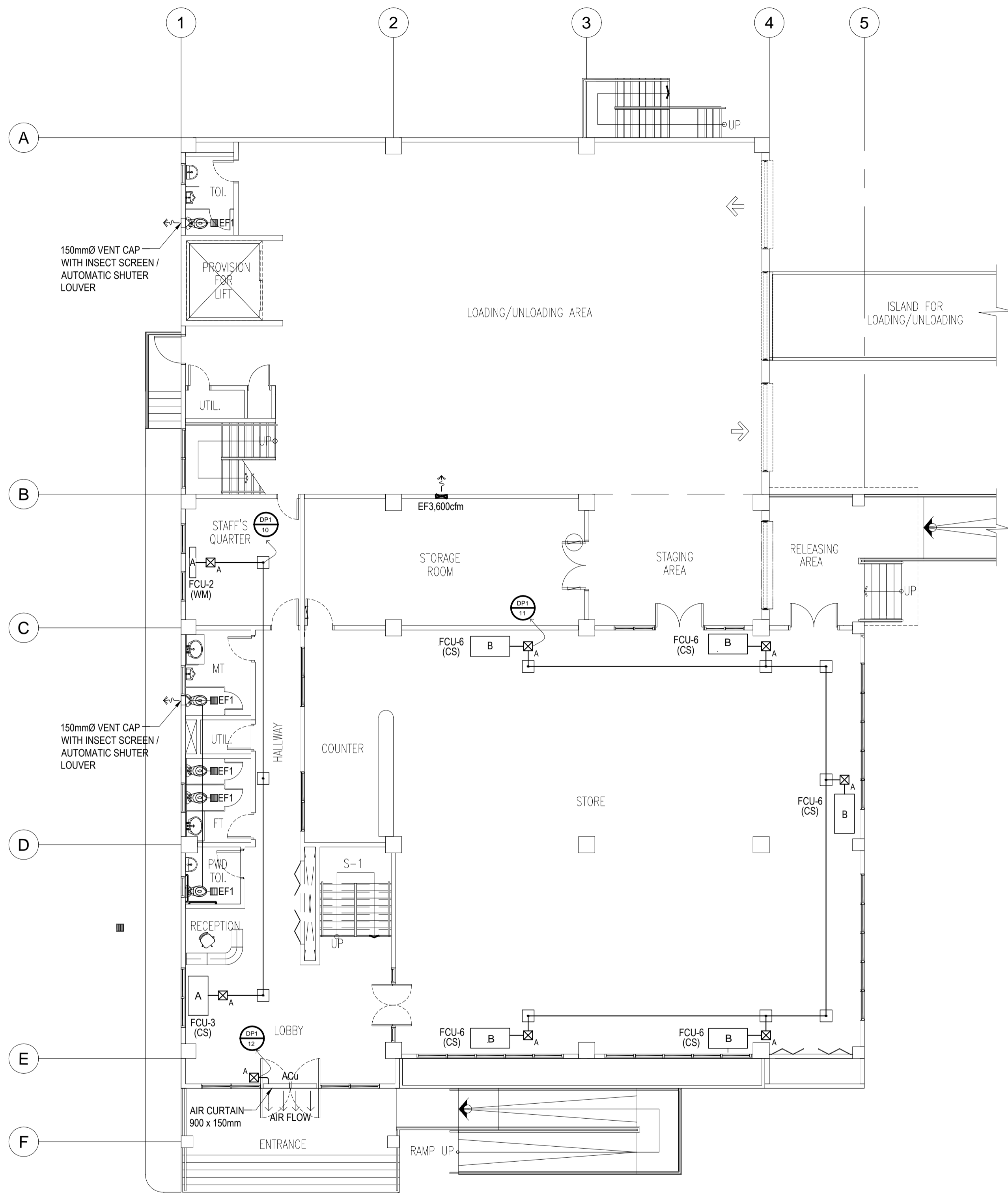
SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
 PROJECT MANAGER

 in joint venture with CONSULTANTS 	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK LIGHTING LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
	REG. NO.: 0002980 PTR. NO.: 1076338	DATE: FEB-09-2018 PLACE: PAMPANGA								

ITEMS	DESCRIPTION
⊠ A	20 AT, 50 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
⊠ B	70 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
⊠ C	100 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
⊠ D	125 AT, 225 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
□	FULLBOX (SIZE AS REQUIRED)
⊠ S	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



1 3
ACUL

GROUND FLOOR AIR CONDITIONING AND VENTILATION POWER LAYOUT

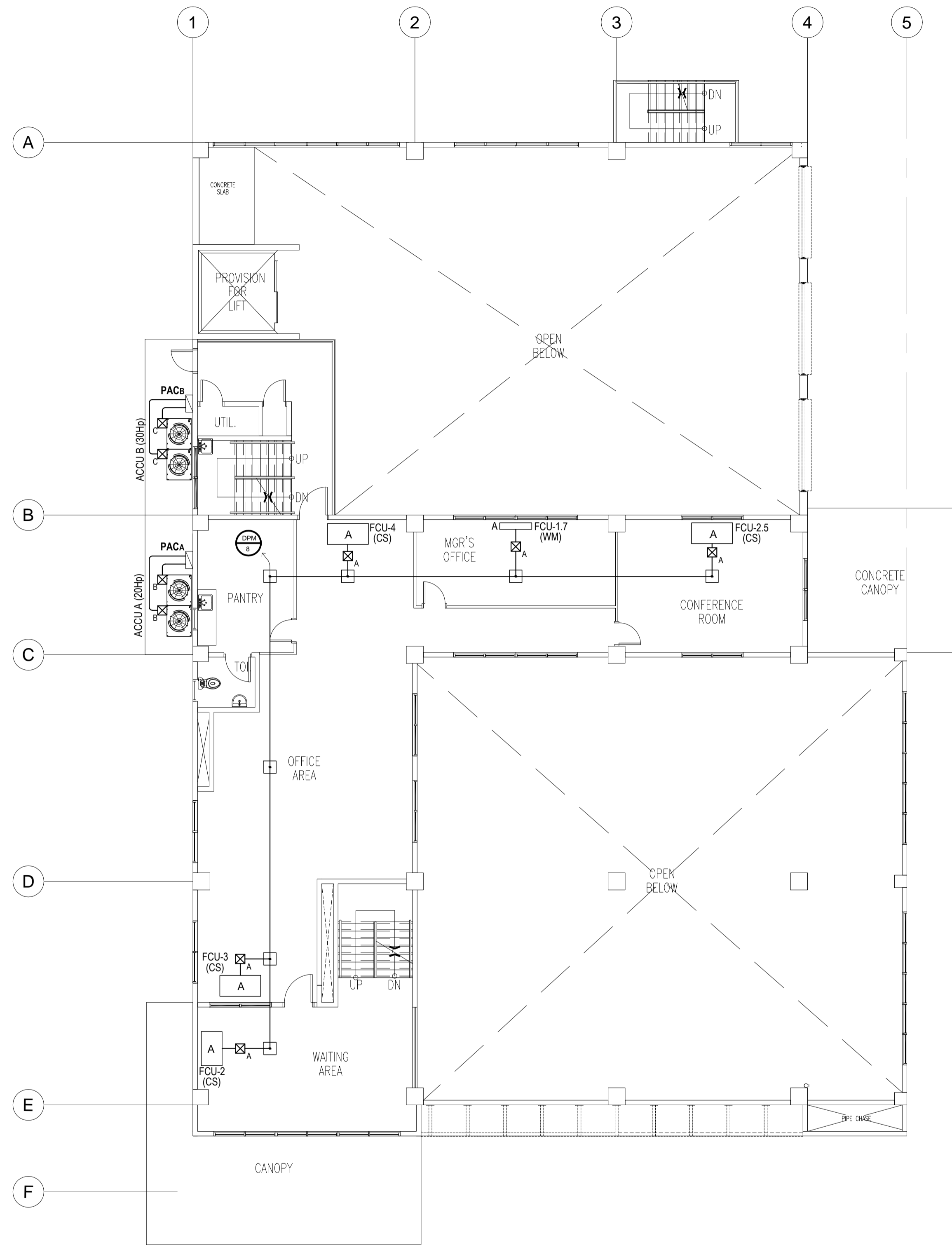
SCALE: 1 : 100 MTS.

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER

<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR ACU & VENTILATION POWER LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
	REG. NO.: 0002980 PTR. NO.: 1076338	DATE: FEB-09-2018 PLACE: PAMPANGA								

LEGENDS	
ITEMS	DESCRIPTION
☒ _A	20 AT, 50 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ _B	70 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ _C	100 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ _D	125 AT, 225 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☐	PULLBOX (SIZE AS REQUIRED)
⊙ _S	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



2 3
ACUL

MEZZANINE FLOOR AIR CONDITIONING AND VENTILATION POWER LAYOUT

SCALE:

1 : 100 MTS.

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
PROJECT MANAGER



PROF. ELECTRICAL ENGINEER:
George M. Simbulan
GEORGE M. SIMBULAN
REG. NO.: 0002980 DATE: FEB-09-2018
PTR. NO.: 1076338 PLACE: PAMPANGA

SUBMITTED:
Elmer T. Ramoneda
ELMER T. RAMONEDA
PROJECT MANAGER



REVIEWED AS TO DESIGN CONCEPT:
Josephine P. Isturis
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL:
(SEE COVER SHEET)
EDWIN C. MATANGUIHAN
OIC, ASST. DIRECTOR, BUREAU OF DESIGN

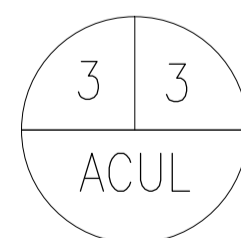
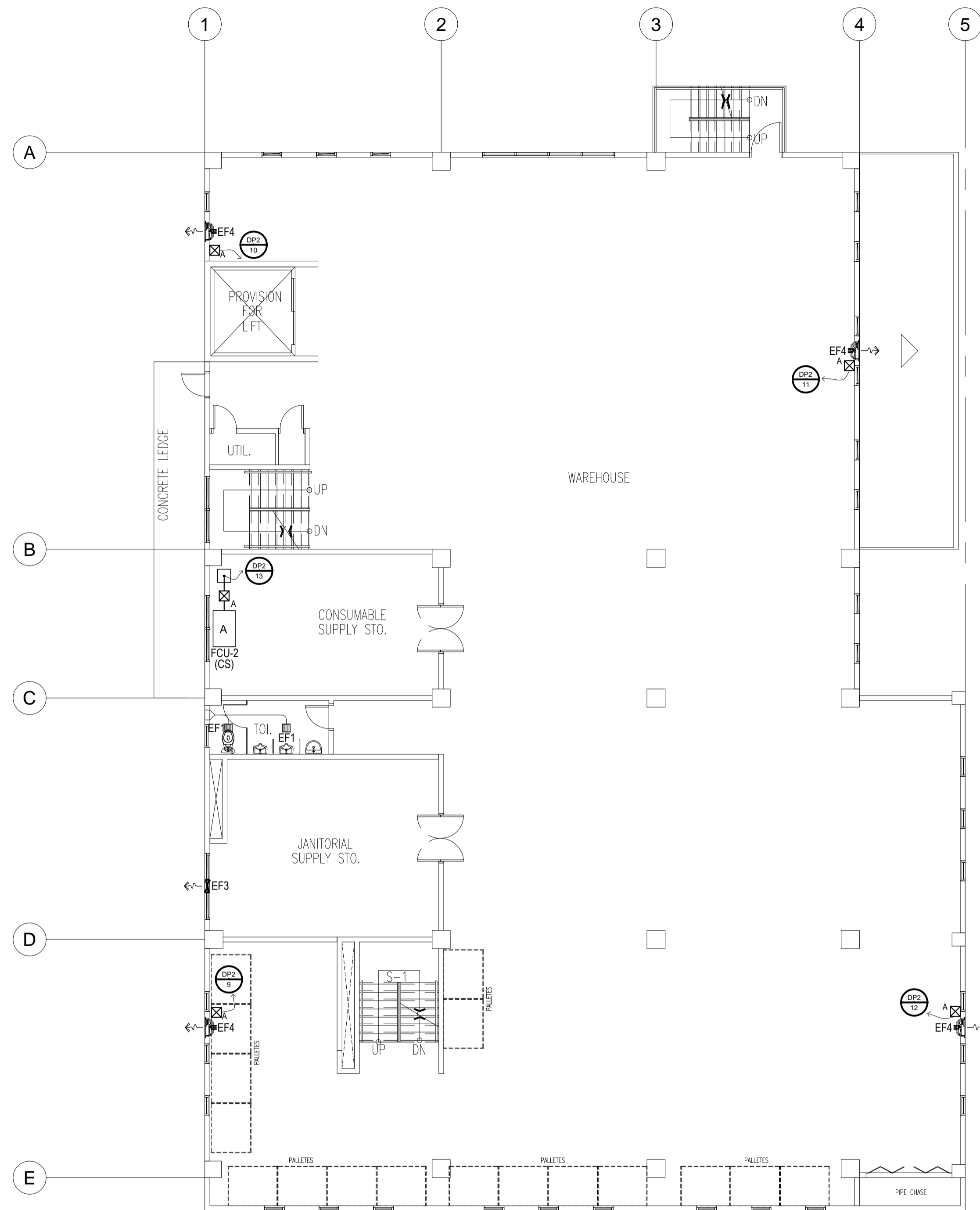
APPROVED:
(SEE COVER SHEET)
EMIL K. SADAIN, CESO I
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
MEZZANINE FLOOR
ACU & VENTILATION POWER LAYOUT
Scale 1:100m

SET NO. SHEET NO.
EL 6
12

LEGENDS	
ITEMS	DESCRIPTION
☒ A	20 AT, 50 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ B	70 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ C	100 AT, 100 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☒ D	125 AT, 225 AF, 230V, 60 Hz, ENCLOSED CIRCUIT BREAKER
☐	PULLBOX (SIZE AS REQUIRED)
⊙	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER



SECOND FLOOR AIR CONDITIONING AND VENTILATION POWER LAYOUT

SCALE:

1 : 100 MTS.

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMER T. RAMONEDA
 PROJECT MANAGER



PROF. ELECTRICAL ENGINEER:
GEORGE M. SIMBULAN
 REG. NO.: 0002980 DATE: FEB-09-2018
 PTR. NO.: 1076338 PLACE: PAMPANGA

SUBMITTED:
Elmer T. Ramoneda
ELMER T. RAMONEDA
 PROJECT MANAGER



REVIEWED AS TO DESIGN CONCEPT:
Josephine P. Isturis
JOSEPHINE P. ISTURIS
 CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL:
 (SEE COVER SHEET)
EDWIN C. MATANGUIHAN
 OIC, ASST. DIRECTOR, BUREAU OF DESIGN

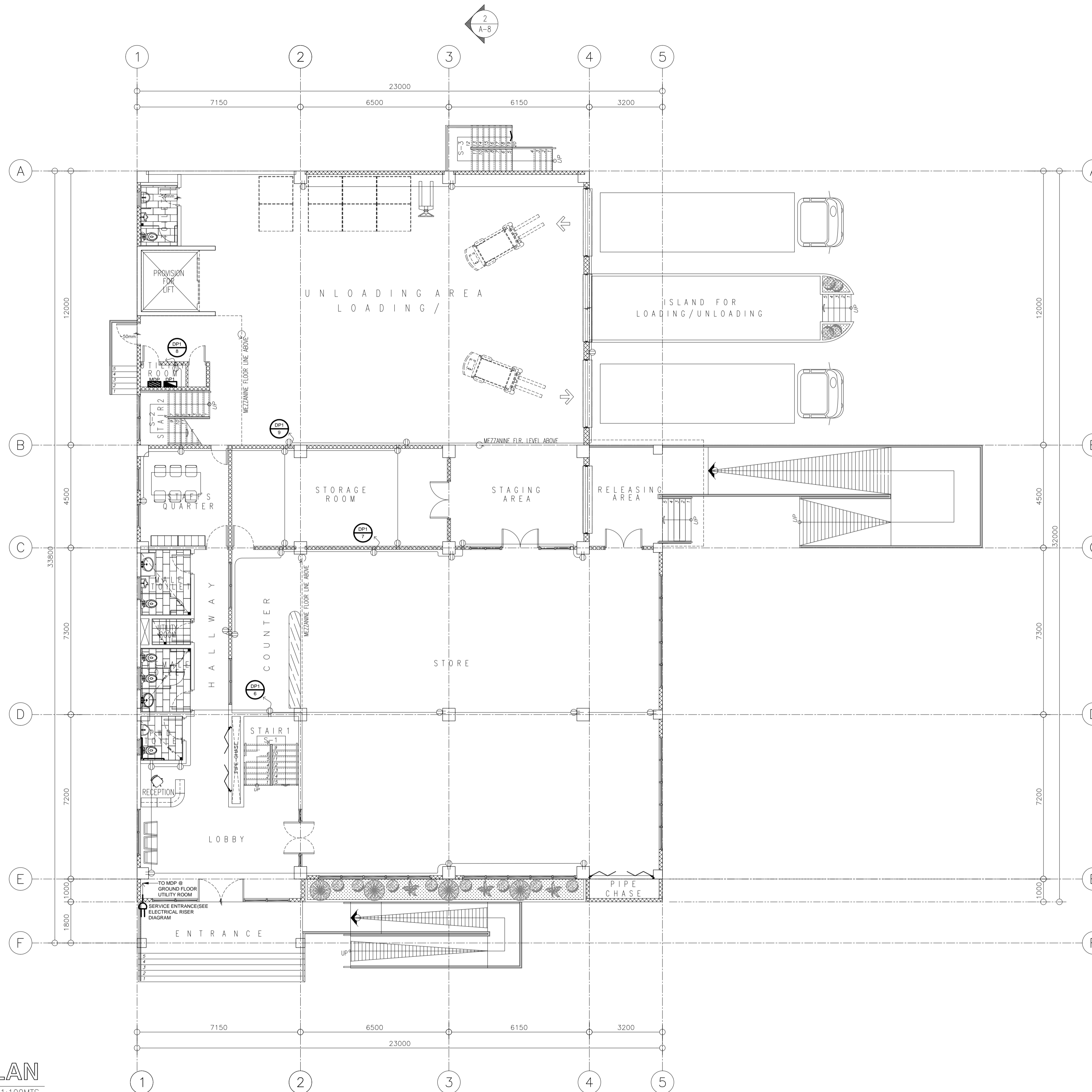
APPROVED:
 (SEE COVER SHEET)
EMIL K. SADAIN, CESO I
 UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
 PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
 SECOND FLOOR
 ACU & VENTILATION POWER LAYOUT
 Scale 1:100m

SET NO. **EL** SHEET NO. **7**
12

LEGENDS	
ITEMS	DESCRIPTION
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX FLOOR MOUNTED
	MAIN DISTRIBUTION PANELBOARD
	ELECTRICAL PANELBOARD, DENOTES NAME
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER
	SERVICE ENTRANCE



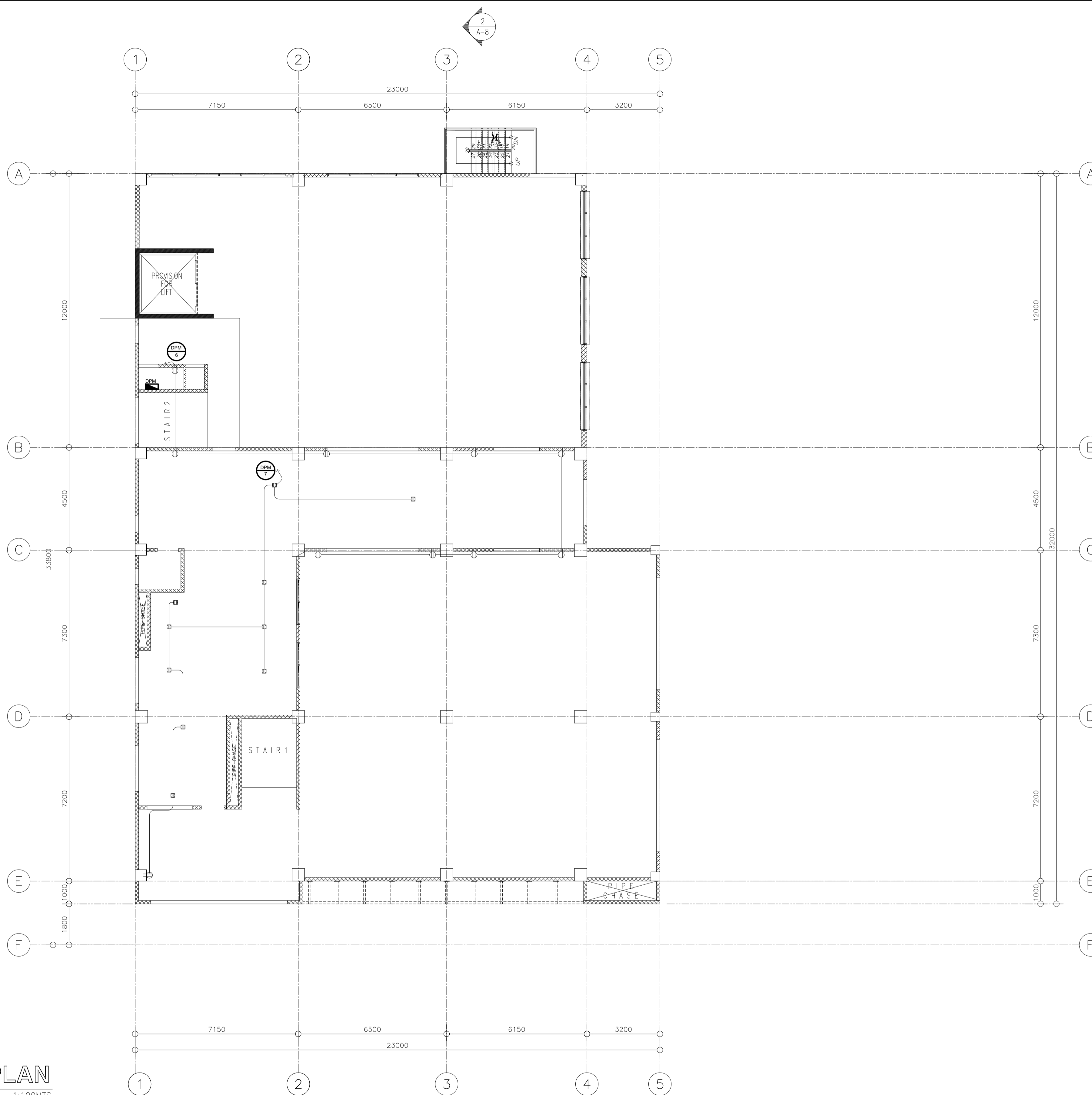
**POWER LAYOUT
GROUND FLOOR PLAN**
SCALE 1:100MTS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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Elmer T. Ramoneda
PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR POWER LAYOUT Scale 1:100m	SET NO. EL	SHEET NO. 8 12
	REG. NO.: 0002980 PTR. NO.: 1076338	DATE: FEB-09-2018 PLACE: PAMPANGA								

LEGENDS	
ITEMS	DESCRIPTION
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX FLOOR MOUNTED
	MAIN DISTRIBUTION PANELBOARD
	ELECTRICAL PANELBOARD, DENOTES NAME
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER
	SERVICE ENTRANCE



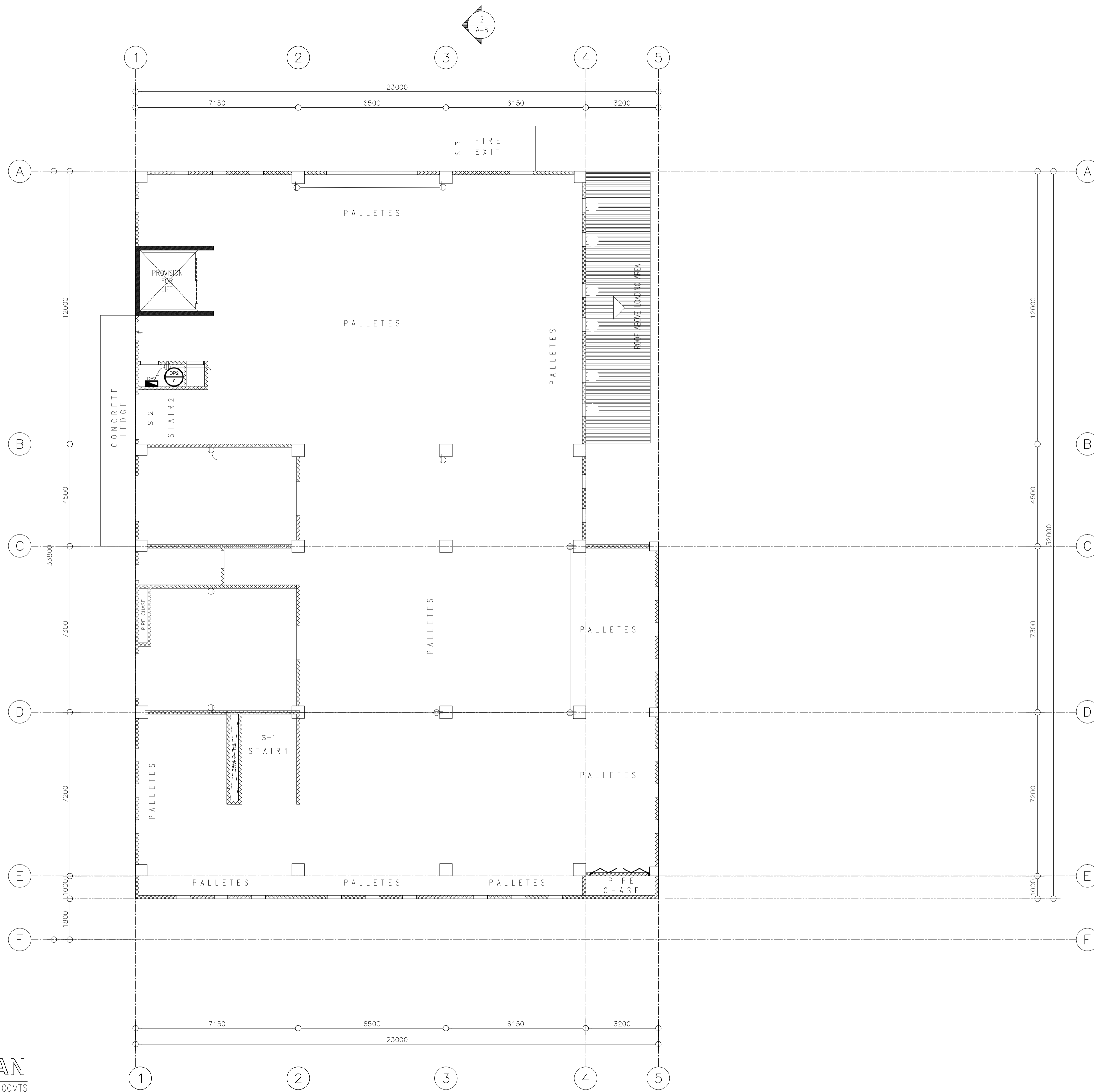
POWER LAYOUT
MEZZANINE FLOOR PLAN
SCALE 1:100MTS

NOTE:
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Elmer T. Ramoneda
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PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates CONSULTANTS PTC Engineers & Associates	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE FLOOR POWER LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
	REG. NO.: 0002980 PTR. NO.: 1076338	DATE: FEB-09-2018 PLACE: PAMPANGA								

ITEMS	DESCRIPTION
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX FLOOR MOUNTED
	MAIN DISTRIBUTION PANELBOARD
	ELECTRICAL PANELBOARD, DENOTES NAME
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER
	SERVICE ENTRANCE



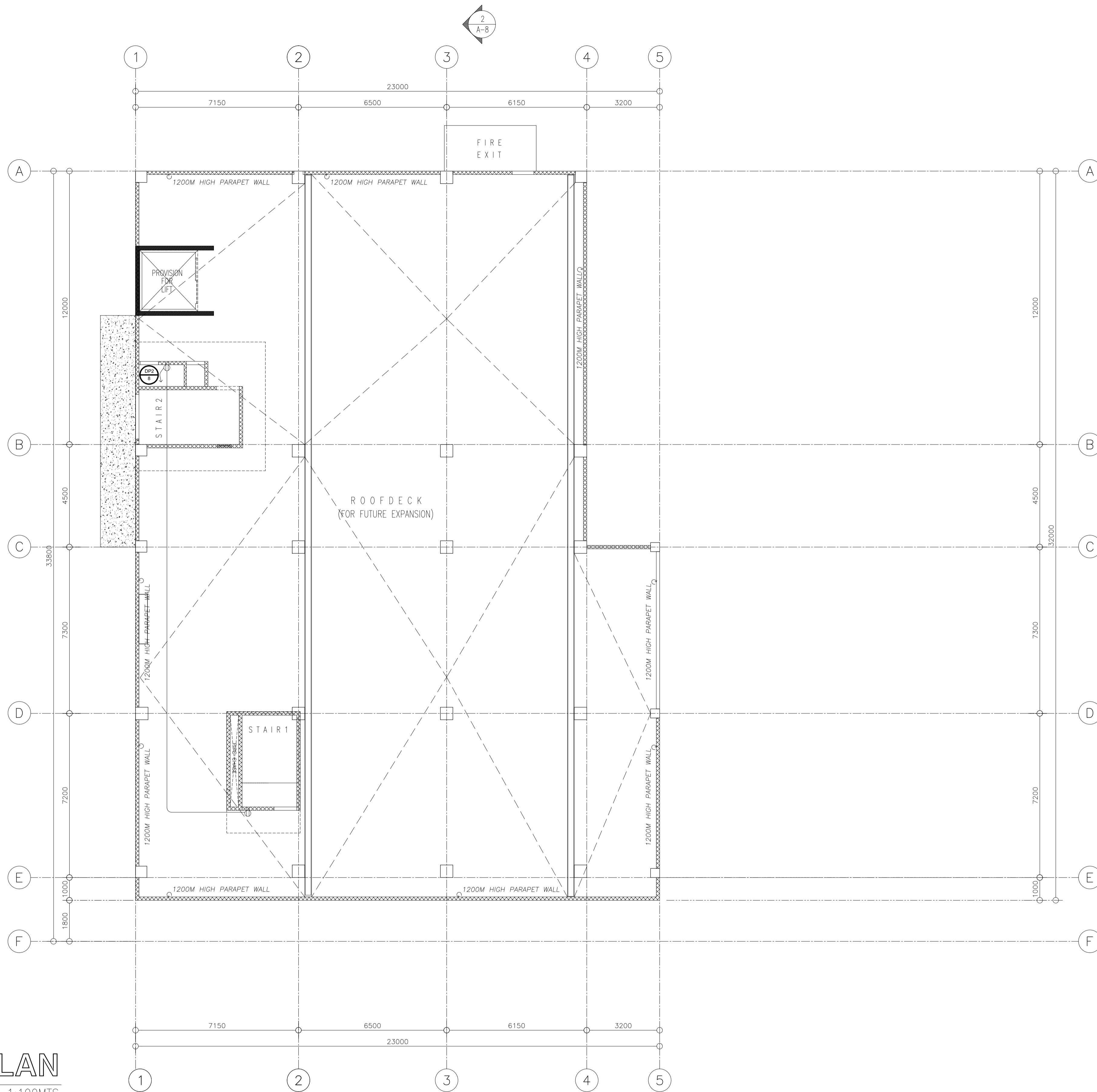
POWER LAYOUT
SECOND FLOOR PLAN
SCALE 1:100MTS

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS, NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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ELMERT T. RAMONEDA
PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN REG. NO.: 0002980 DATE: FEB-09-2018 PTR. NO.: 1076338 PLACE: PAMPANGA	SUBMITTED: ELMERT T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR POWER LAYOUT Scale 1:100m	SET NO. EL	SHEET NO. 10 12
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LEGENDS	
ITEMS	DESCRIPTION
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX
	GENERAL TYPE CONVENIENCE OUTLET, DUPLEX FLOOR MOUNTED
	MAIN DISTRIBUTION PANELBOARD
	ELECTRICAL PANELBOARD, DENOTES NAME
	CIRCUIT HOMERUN, DENOTES PANEL NAME & CIRCUIT NUMBER
	SERVICE ENTRANCE

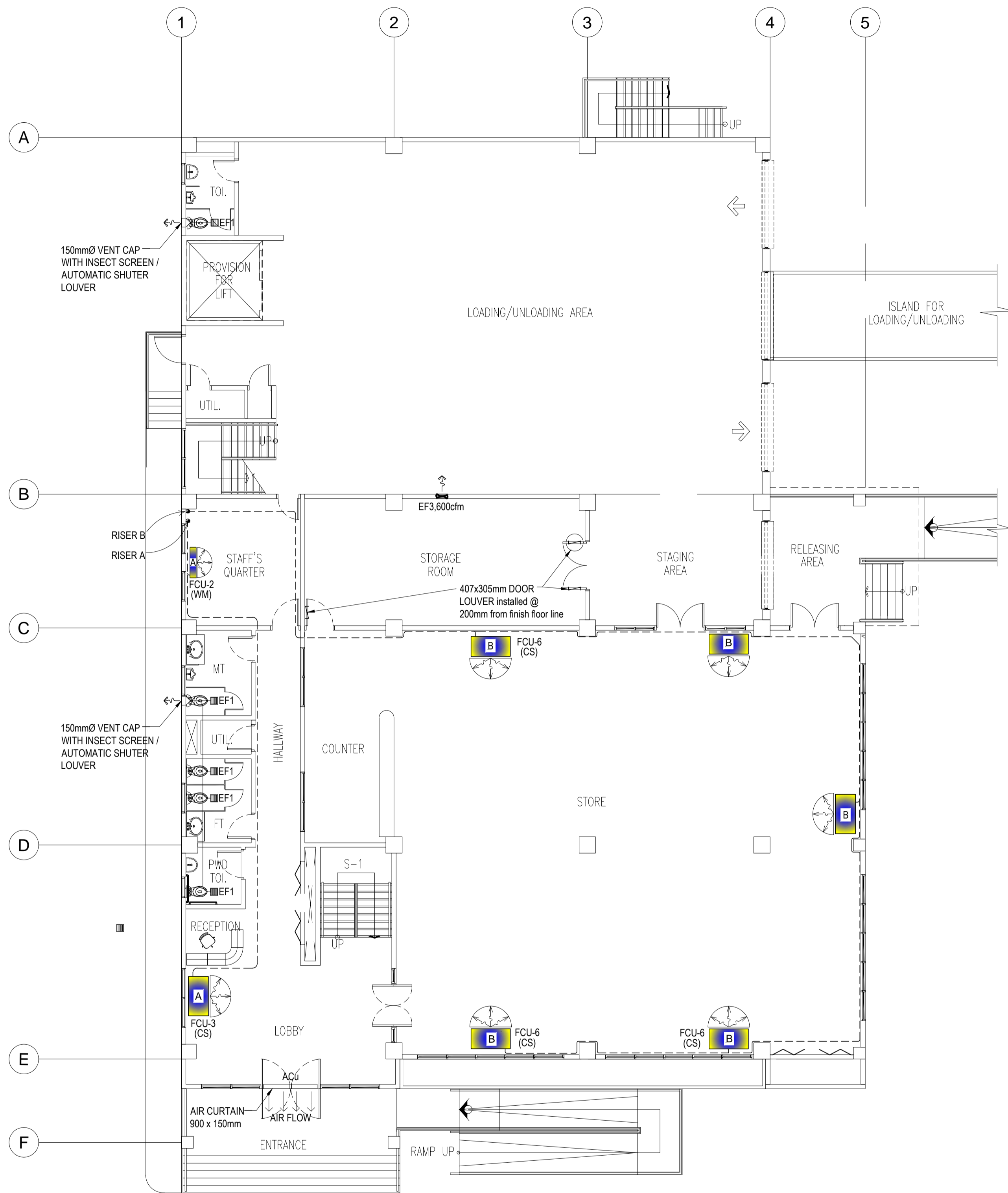


POWER LAYOUT
ROOF DECK PLAN
 SCALE 1:100MTS

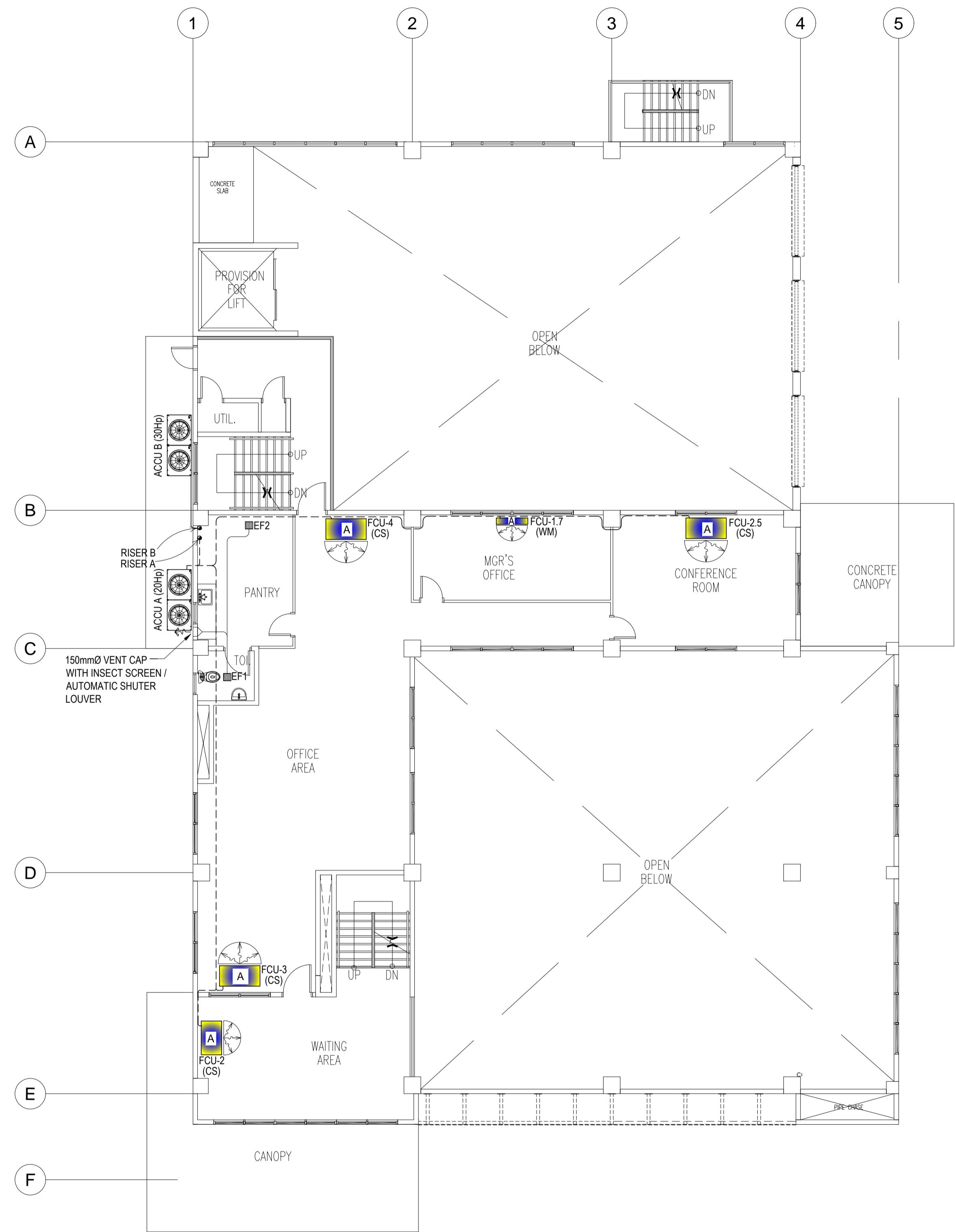
NOTE:
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ELMERT T. RAMONEDA
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 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	PROF. ELECTRICAL ENGINEER: GEORGE M. SIMBULAN REG. NO.: 0002980 DATE: FEB-09-2018 PTR. NO.: 1076338 PLACE: PAMPANGA	SUBMITTED: ELMERT T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK POWER LAYOUT Scale 1:100m	SET NO. EL	SHEET NO. 11 12
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2
M-1
GROUND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1: 100 MTS.

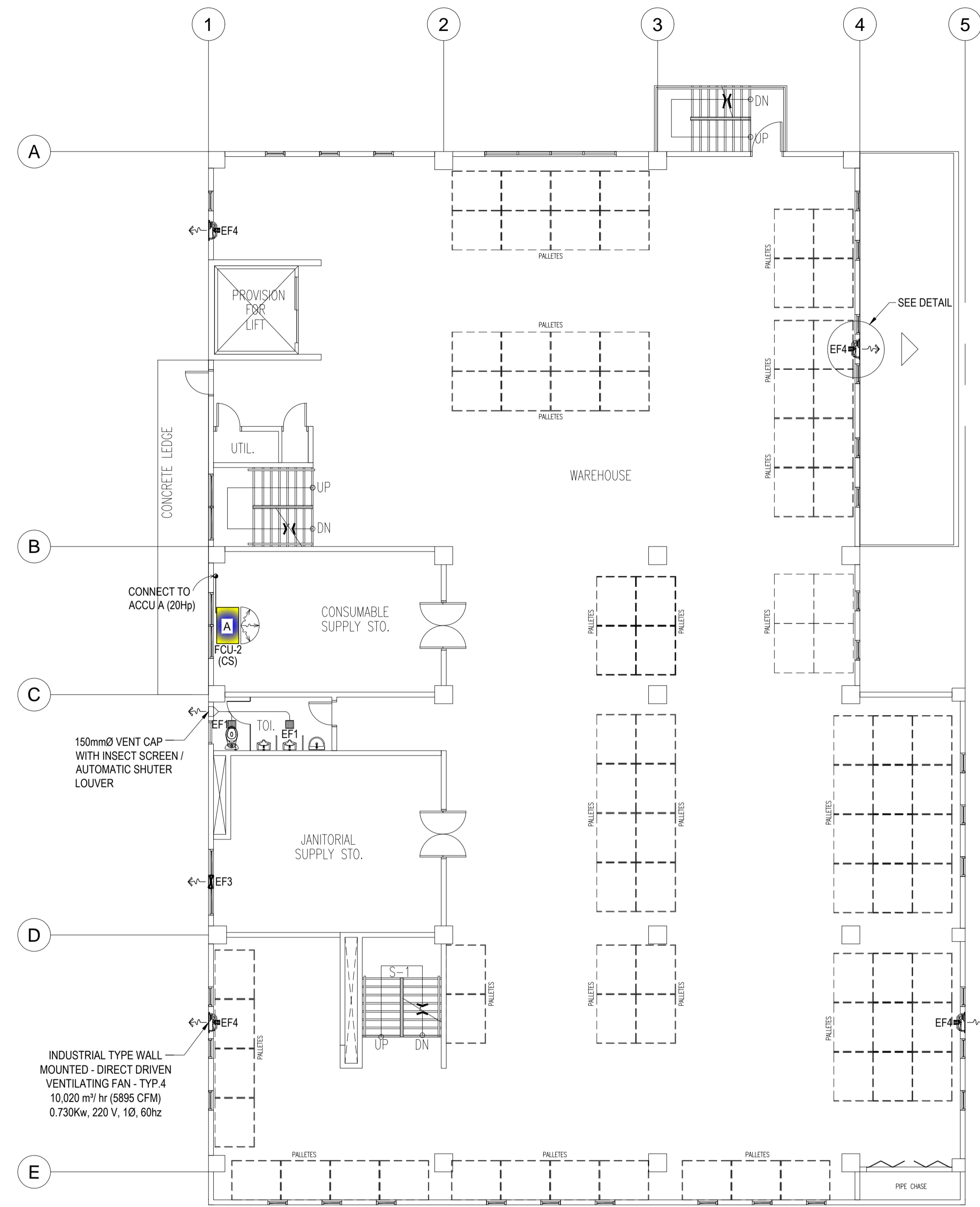


1
M-2
MEZZANINE FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1: 100 MTS.

NOTE:
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ELMER T. RAMONEDA
PROJECT MANAGER

 in joint venture with 	PROF. MECHANICAL ENGINEER: HERMINIO M. DAVID <small>PRC NO.: 2715 DATE: OCT-22-2020</small> <small>PTR NO.: 1728384 DATE: 01-11-2019</small> <small>TIN NO.: 147-630-001 PLACE: PARANGQUE CITY</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS <small>BONIFACIO DRIVE, PORT AREA, MANILA</small>	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: <small>(SEE COVER SHEET)</small> EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: <small>(SEE COVER SHEET)</small> EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT SECOND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT <small>Scale 1:100m</small>	SET NO. 	SHEET NO.
	<p>Scale: 1:100 MTS.</p>									



1
M-2
SECOND FLOOR AIR CONDITIONING AND VENTILATION LAYOUT
SCALE: 1 : 100 MTS.

NOTE:
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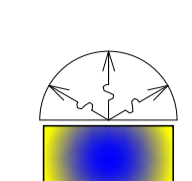
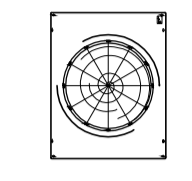


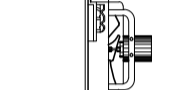






ELMER T. RAMONEDA
PROJECT MANAGER

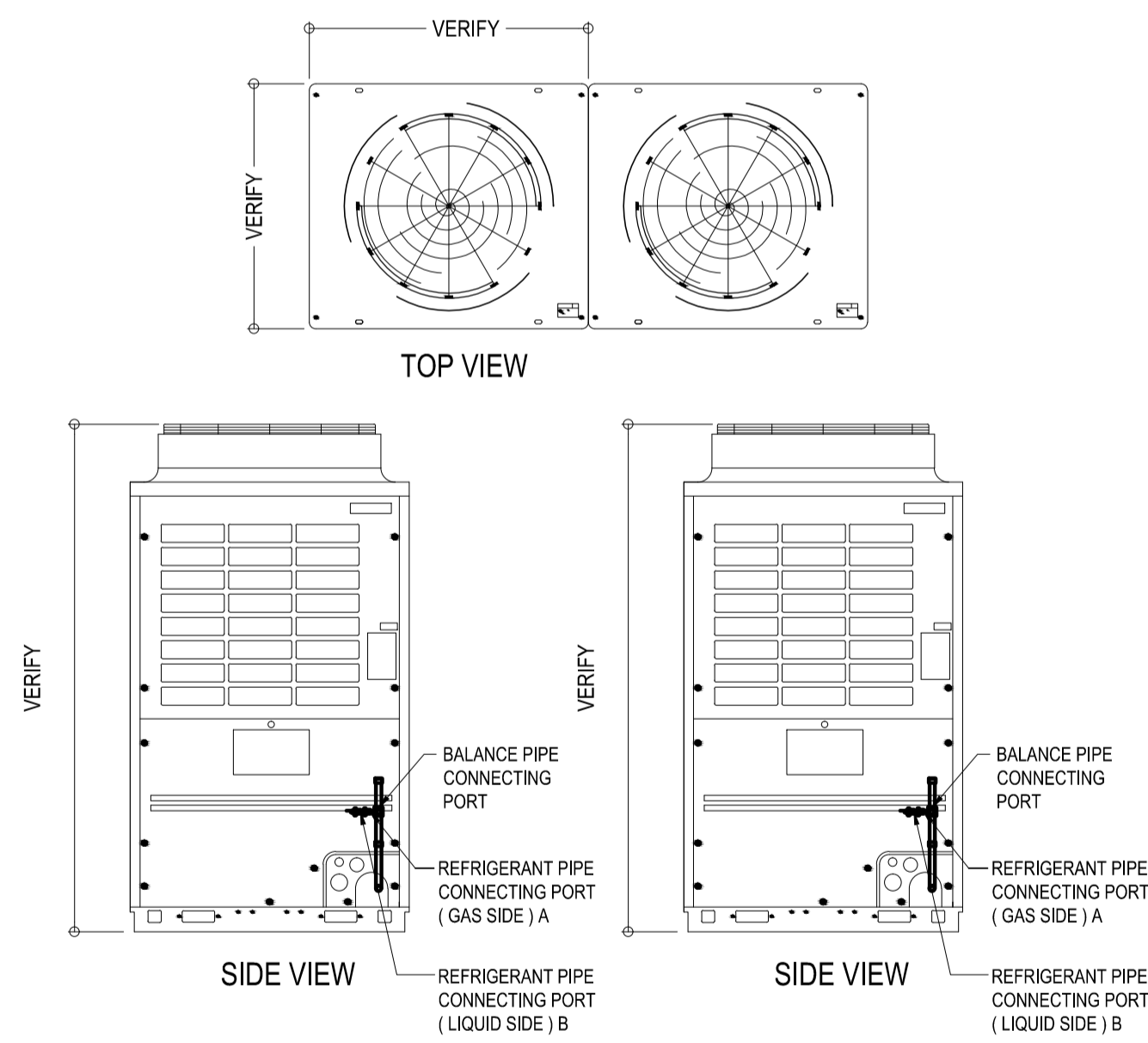
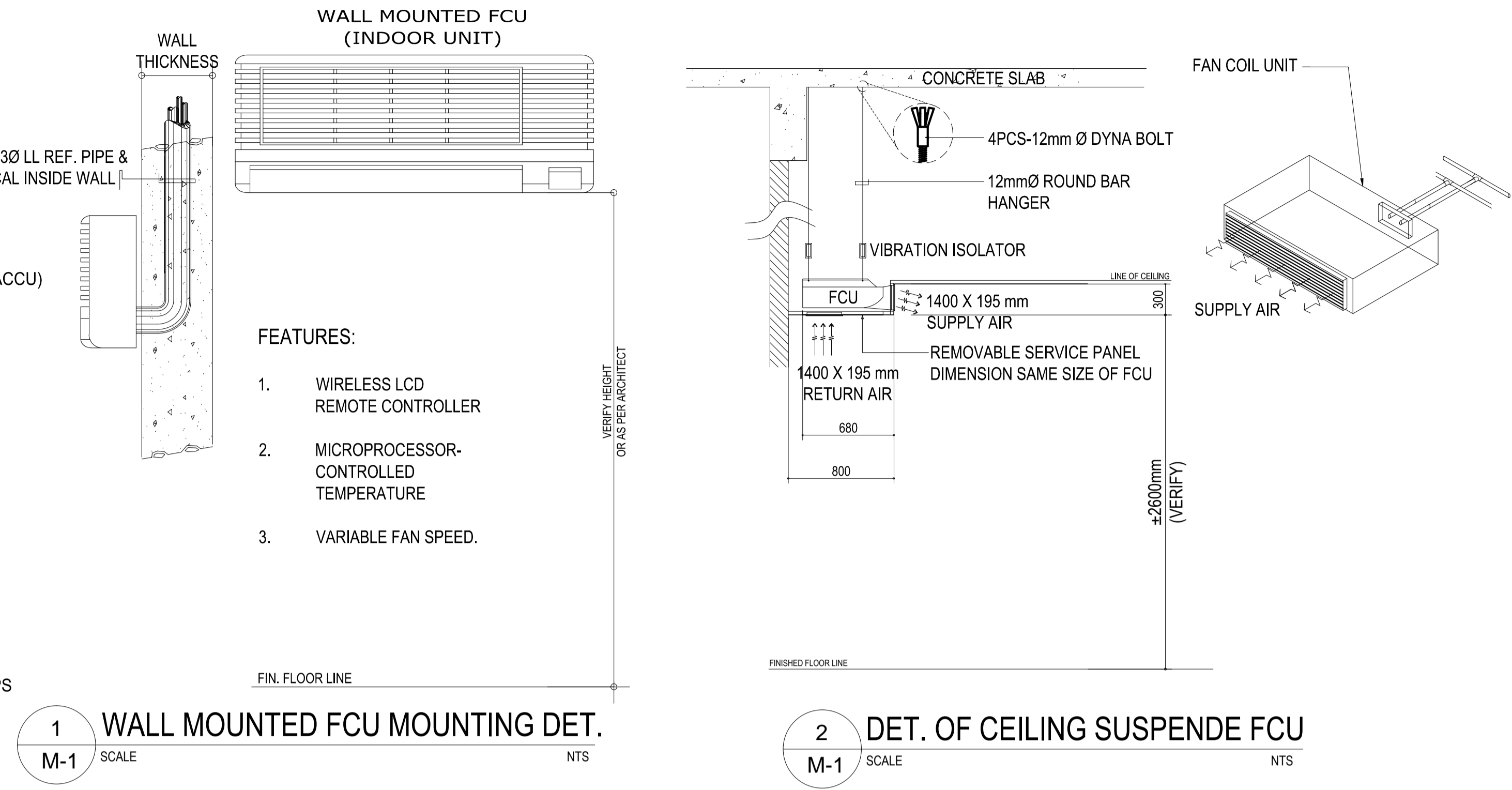
<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	PROF. MECHANICAL ENGINEER: HERMINIO M. DAVID	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: THIRD FLOOR AIR CONDITIONING AND VENTILATION LAYOUT Scale 1:100m	SET NO. 	SHEET NO.
	PRC NO.: 2715 PTR NO.: 1728384 TIN NO.: 147-630-001	DATE: OCT-22-2020 DATE: 01-11-2019 PLACE: PARANGQUE CITY								

GENERAL NOTES:

- CONTRACTOR IS ADVISED TO VISIT AND SURVEY THE PLACE OF INSTALLATION.
- ALL AIR CONDITIONING UNITS AND VENTILATING UNITS TO BE SUPPLIED SHALL BE NEW AND APPROVED PRODUCTS OF REPUTABLE MANUFACTURERS. ALL AIR CONDITIONING EQUIPMENT SHALL BE MANUFACTURED BY "HITACHI", "OR APPROVED EQUAL.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE CLOSELY HIS WORK WITH THE OTHER TRADES CONCERNED.
- REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 25 mm THICK PREMOULDED ELASTOMERIC RUBBER INSULATION AS MANUFACTURED BY "ARMAFLEX", AEROFLEX OR APPROVED EQUAL.
- ALL AIR HANDLING UNITS SHALL BE PROVIDED WITH AT LEAST 300 mm HIGH STEEL PEDESTAL WITH SUITABLE VIBRATION ISOLATOR.
- INDIVIDUAL WEATHER PROOF TYPE CIRCUIT BREAKER SHALL BE PROVIDED FOR ALL CONDENSING UNITS.
- ALL EXPOSED DRAIN LINES TO THE CEILING SHALL BE PROVIDED WITH INSULATION TYPICAL TO REFRIGERANT PIPING. (REFER TO PIPE INSULATION DETAIL.)
- ALL DUCT WORKS SHALL BE PROVIDED WITH ANGULAR BAR SUPPORTS. (SUBMIT SHOP DRAWING PRIOR TO INSTALLATION)
- THE CONTRACTOR SHALL SUBMIT CATALOGUE / BROCHURES SUBJECT FOR FURTHER TECHNICAL EVALUATION BY THE CONCERNED AUTHORITY (BOD) PRIOR TO PROCUREMENT / INSTALLATION OF THE EQUIPMENT/UNIT.
- ALL EXPOSED DRAIN LINES TO THE CEILING SHALL BE PROVIDED WITH INSULATION TYPICAL TO REFRIGERANT PIPING. (REFER TO PIPE INSULATION DETAIL.)
- ALL NECESSARY GOVERNMENT PERMITS SHALL BE SECURED AND FOR ACCOUNT OF THE CONTRACTOR.
- AS-BUILT PLANS SHALL BE PROVIDED BY THIS CONTRACTOR AFTER COMPLETION OF WORKS.
- ALL INSTALLATION WORKS SHALL BE DONE IN A NEAT AND WORK- MANLIKE MANNER.
- ALL VENTILATING FAN SHALL BE MANUFACTURED BY "KDK", "NATIONAL" OR APPROVED EQUAL.
- ALL REFRIGERANT SUCTION LINES EXPOSED INDOORS AND/OR EXPOSED TO WEATHER SHOULD BE PROVIDED WITH GAUGE #24 ALUMINUM CLADDING. (SUBMIT SHOP DRAWING PRIOR TO INSTALLATION)
- ALL ACCU's AND FCU's SHALL BE PROVIDED WITH ANGULAR BAR SUPPORTS. (SUBMIT SHOP DRAWING PRIOR TO INSTALLATION)

LEGEND & SYMBOLS:

-  FAN COIL UNIT (FCU)
-  AIR-COOLED CONDENSING UNIT (ACCU)
-  EXHAUST FAN 1 (EF1 100CFM)
-  EXHAUST FAN 2 (EF2 636CFM)
-  EXHAUST FAN 3 (EF3 5895CFM)
-  AUTOMATIC SHUTTER & VENT CAPS
-  AIR CURTAIN (ACu)
-  REFRIGERANT LINE
-  150mmØ EXHAUST DUCT
-  SAND TRAP LOUVERS (STL)
-  DOOR LOUVERS



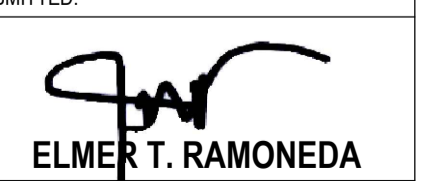
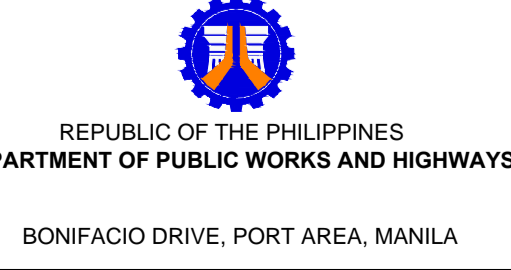
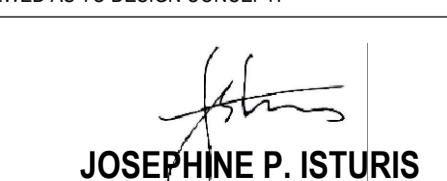


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SCHEDULE OF EQUIPMENT

MULTI-SPLIT AIR CONDITIONER (VRF SYSTEM FOR GROUND FLOOR)

SYSTEM A													OUTDOOR UNIT													REMARKS							
INDOOR UNIT						ELECTRICAL DATA						PIPE SIZE (MM)		LOCATION	COOLING CAPACITY				COMPRESSOR DATA			DIMENSION		REFRIGERANT	WEIGHT KG		ELECTRICAL DATA				PIPE SIZE (MM)		LOCATION
DESIGNATION	QTY.	COOLING CAPACITY		TYPE	AIR FLOW	WATTS	VOLTS	PHASE	HERTZ	LIQUID	GAS	QTY.	kW		BTU/HR	QTY.	MOTOR OUTPUT (KW)	HxWxD	kW	VOLTS	PHASE	HERTZ	LIQUID				GAS	QTY.	kW	VOLTS	PHASE	HERTZ	
FCU-4 (CS)	1	38,226	4.0	CEILING SUSPENDED	1960-1440	91	220	SINGLE	60	9.5 Ø	15.9 Ø	GROUND MEZZANINE AND SECOND FLOOR	ACCU - B (20 Hp)	1	56	191,128	4	3.1 x 2 + 3.1 x 2	2(1800 x 990 x 780)	410 A	2 x 242 (484)	15.00	220	THREE	60	15.9 Ø	28.6 Ø	MEZZANINE CONCRETE LEDGE	ALL UNITS SHALL BE BRAND NEW & COMPLETE ELECTRONIC (REMOTE)CONTROL WITH STANDARD ACCESSORIES, READY FOR SERVICE.				
FCU-3 (CS)	2	27,304	3.0		1100-840	50																											
FCU-2.5 (CS)	1	24,233	2.5		1100-840	50																											
FCU-2 (CS)	2	19,113	2.0		780-540	38																											
FCU-2 (WM)	1	19,113	2.0	WALL MOUNTED	840-540	43	6.4 Ø	12.7 Ø	840-540	43	NOTE: ALL FAN COIL UNITS (FCU'S) SHALL BE PROVIDED WITH EVAPORATOR DRAIN PIPE.																						
FCU-1.7 (WM)	1	15,359	1.7		840-540	43																											

MULTI-SPLIT AIR CONDITIONER (VRF SYSTEM FOR GROUND FLOOR - STORE AREA)

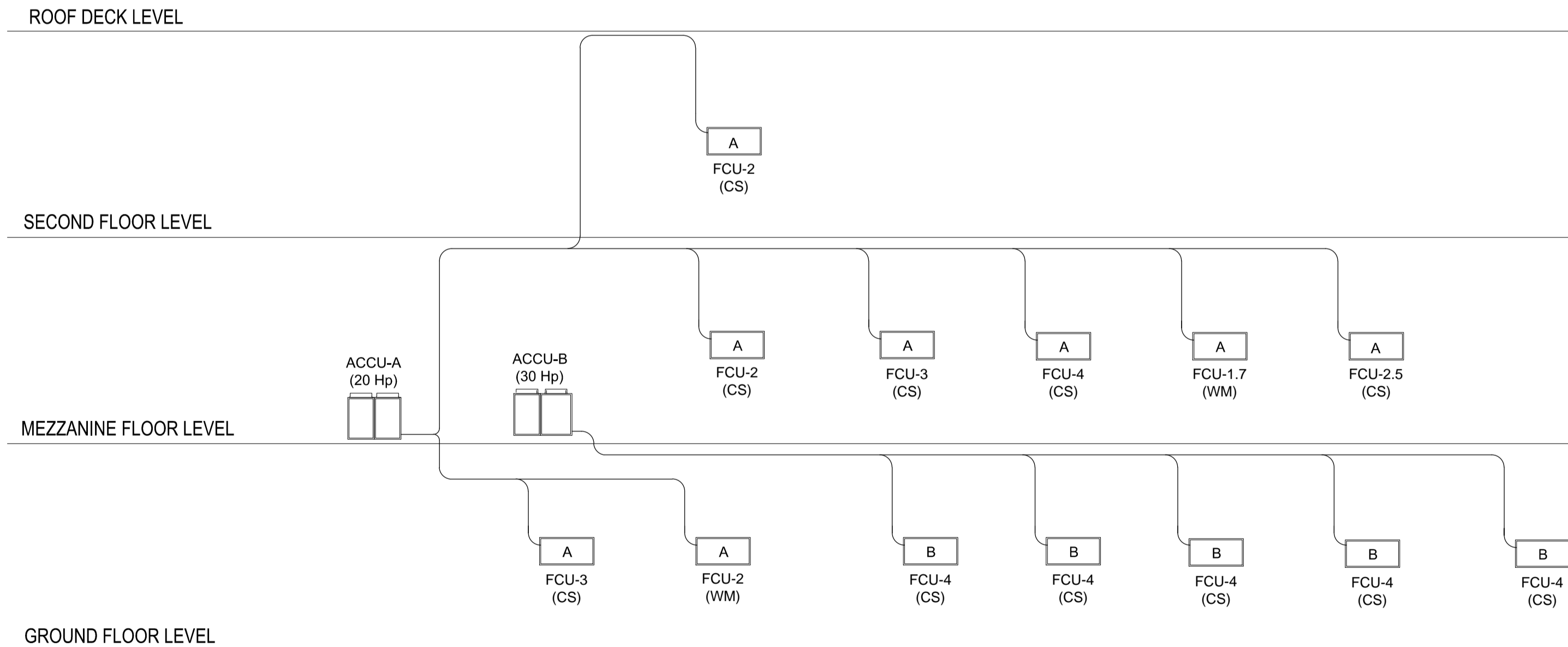
SYSTEM B													OUTDOOR UNIT													REMARKS							
INDOOR UNIT						ELECTRICAL DATA						PIPE SIZE (MM)		LOCATION	COOLING CAPACITY				COMPRESSOR DATA			DIMENSION		REFRIGERANT	WEIGHT KG		ELECTRICAL DATA				PIPE SIZE (MM)		LOCATION
DESIGNATION	QTY.	COOLING CAPACITY		TYPE	AIR FLOW	WATTS	VOLTS	PHASE	HERTZ	LIQUID	GAS	QTY.	kW		BTU/HR	QTY.	MOTOR OUTPUT (KW)	HxWxD	kW	VOLTS	PHASE	HERTZ	LIQUID				GAS	QTY.	kW	VOLTS	PHASE	HERTZ	
FCU-6 (CS)	5	54,608	6.0	CEILING SUSPENDED	1800-1320	110	220	SINGLE	60	9.5 Ø	15.9 Ø	GROUND FLOOR - STORE AREA	ACCU - B (30 Hp)	1	85	290,105	6	3.6 x 3 + 3.0 x 3	2(1800 x 1210 x 780)	410 A	2 x 330 (660)	25.40	220	THREE	60	19.1 Ø	34.9 Ø	MEZZANINE CONCRETE LEDGE	ALL UNITS SHALL BE BRAND NEW & COMPLETE ELECTRONIC (REMOTE)CONTROL WITH STANDARD ACCESSORIES, READY FOR SERVICE.				
NOTE: ALL FAN COIL UNITS (FCU'S) SHALL BE PROVIDED WITH EVAPORATOR DRAIN PIPE.																																	

EXHAUST FAN

DESIGNATION	QTY.	CAPACITY		TYPE	STATIC PRESSURE	RPM	WATTS	MOTOR RATING			LOCATION	REMARKS
		CMH	CFM					VOLTS	PHASE	HERTZ		
EF-1	8	170	100	CEILING CASSETTE	3.80mm H ₂ O	170	19	220	SINGLE	60	ALL TOILETS	ALL UNITS SHALL BE BRAND NEW AND COMPLETE WITH STANDARD ACCESSORIES READY FOR SERVICE.
EF-2	1	330	194	CEILING CASSETTE	3.80mm H ₂ O	480	23	220	SINGLE	60	PANTRY	
EF-3	2	1080	636	WALL MOUNTED	3.80mm H ₂ O	1060	45	220	SINGLE	60	GROUND FLOOR - STORAGE and SECOND FLOOR - JANITORIAL STORAGE ROOM	
EF-4	4	10,020	5895	INDUSTRIAL TYPE WALL MOUNTED VENTILATING FAN	40.0mm H ₂ O	1675	730	220	SINGLE	60	SECOND FLOOR - WAREHOUSE	

AIR CURTAIN (GROUND FLOOR)

DESIGNATION	QTY	LENGTH (MM)	INPUT (W)		CURRENT (A)		OUTLET VELOCITY (m/s)		AIR VOLUME (m ³ /h)		NOISE DB (A)		WEIGHT (Kg.)	ELECTRICAL DATA			
			HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW		WATTS	VOLTS	PHASE	HERTZ
ACu	2	900	57	49	0.28	0.25	12.10	9.90	690	560	43	38	12	116-85	220	SINGLE	60



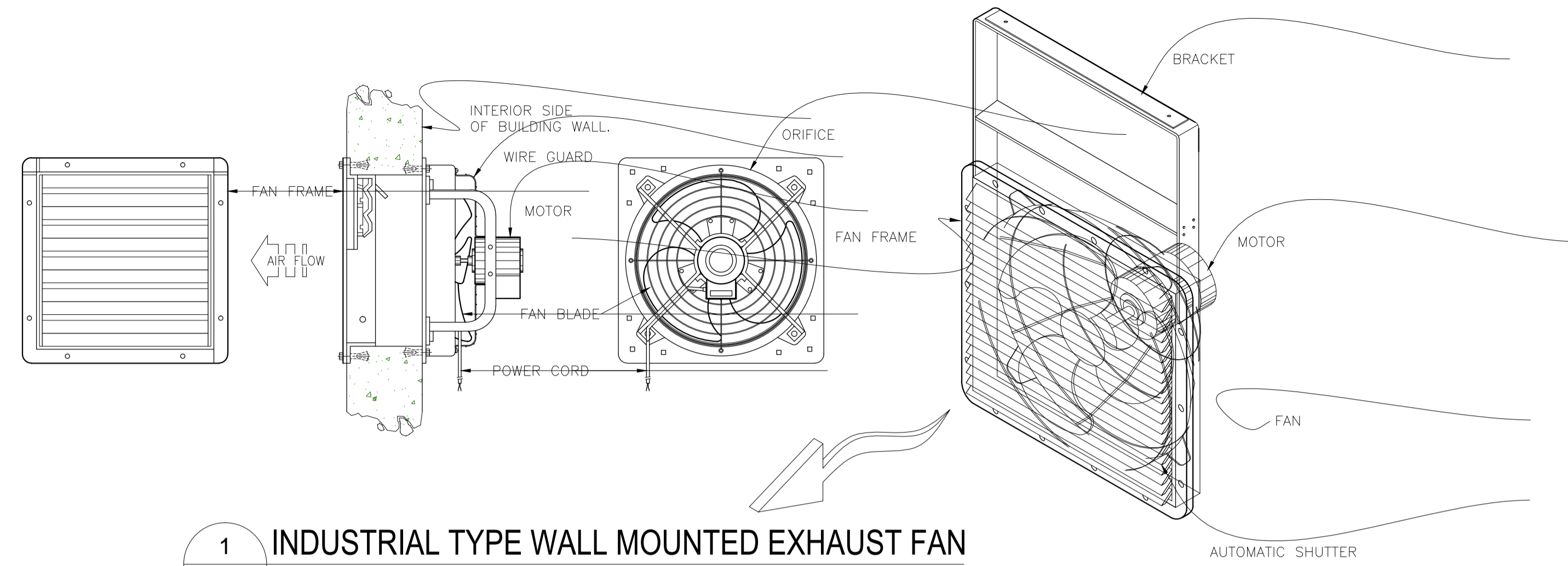
1
M-1 SCALE NTS

REFRIGERANT FLOW RISER DIAGRAM

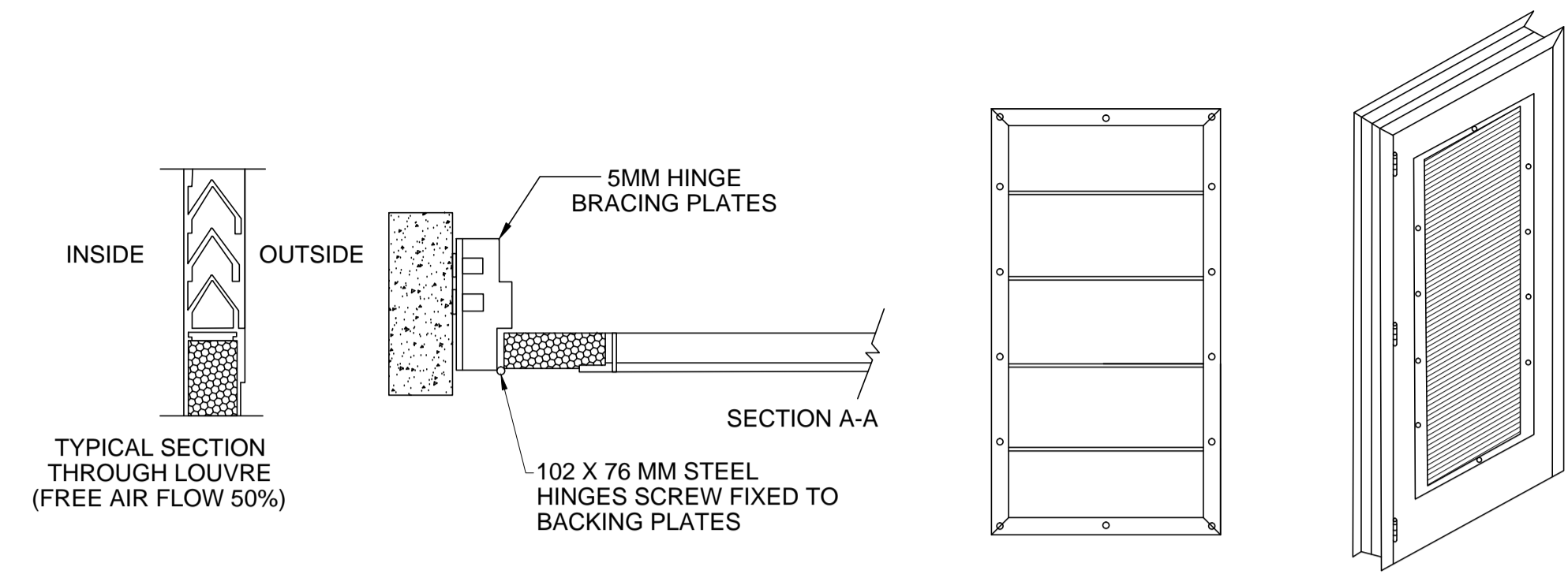
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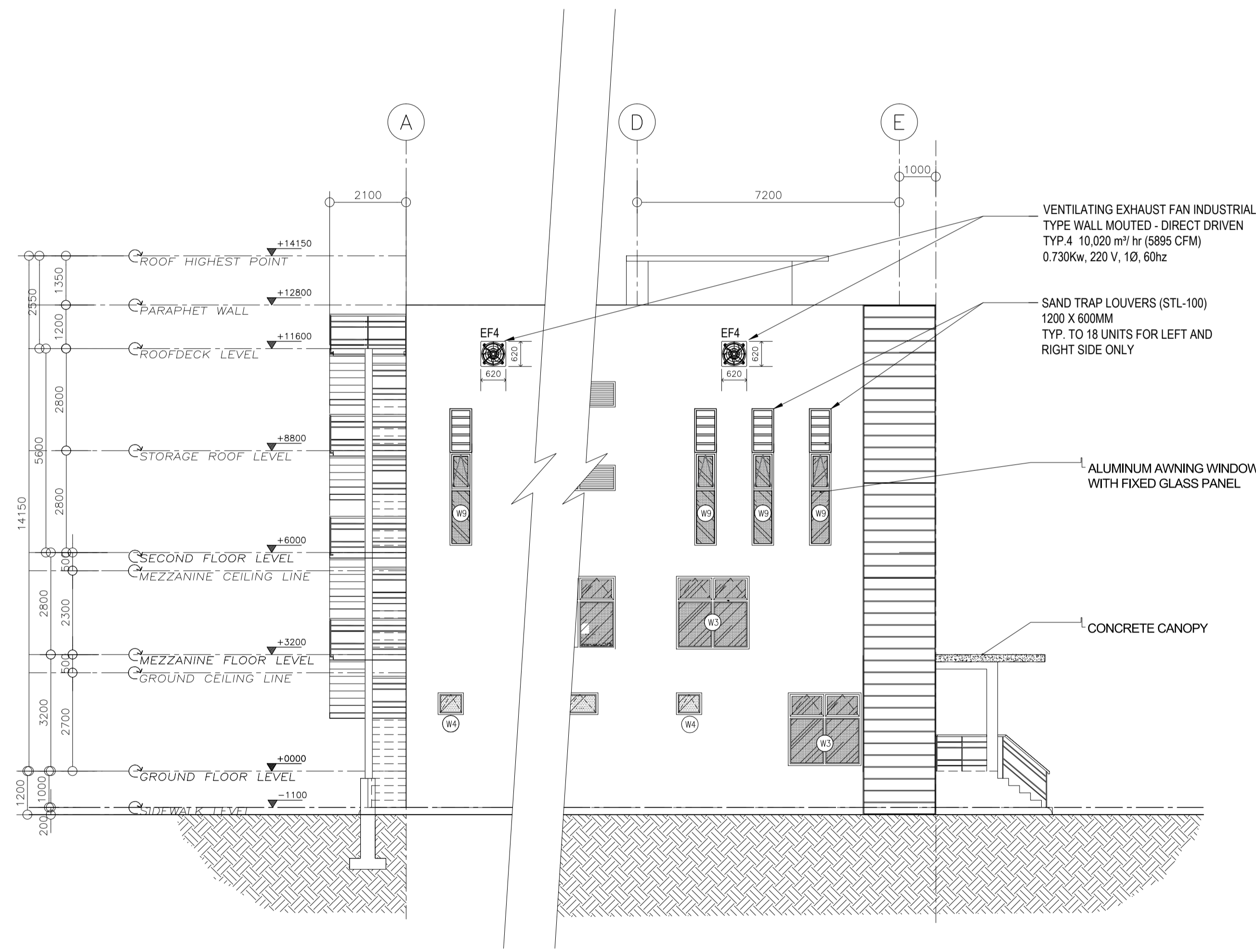
ELMER T. RAMONEDA
PROJECT MANAGER



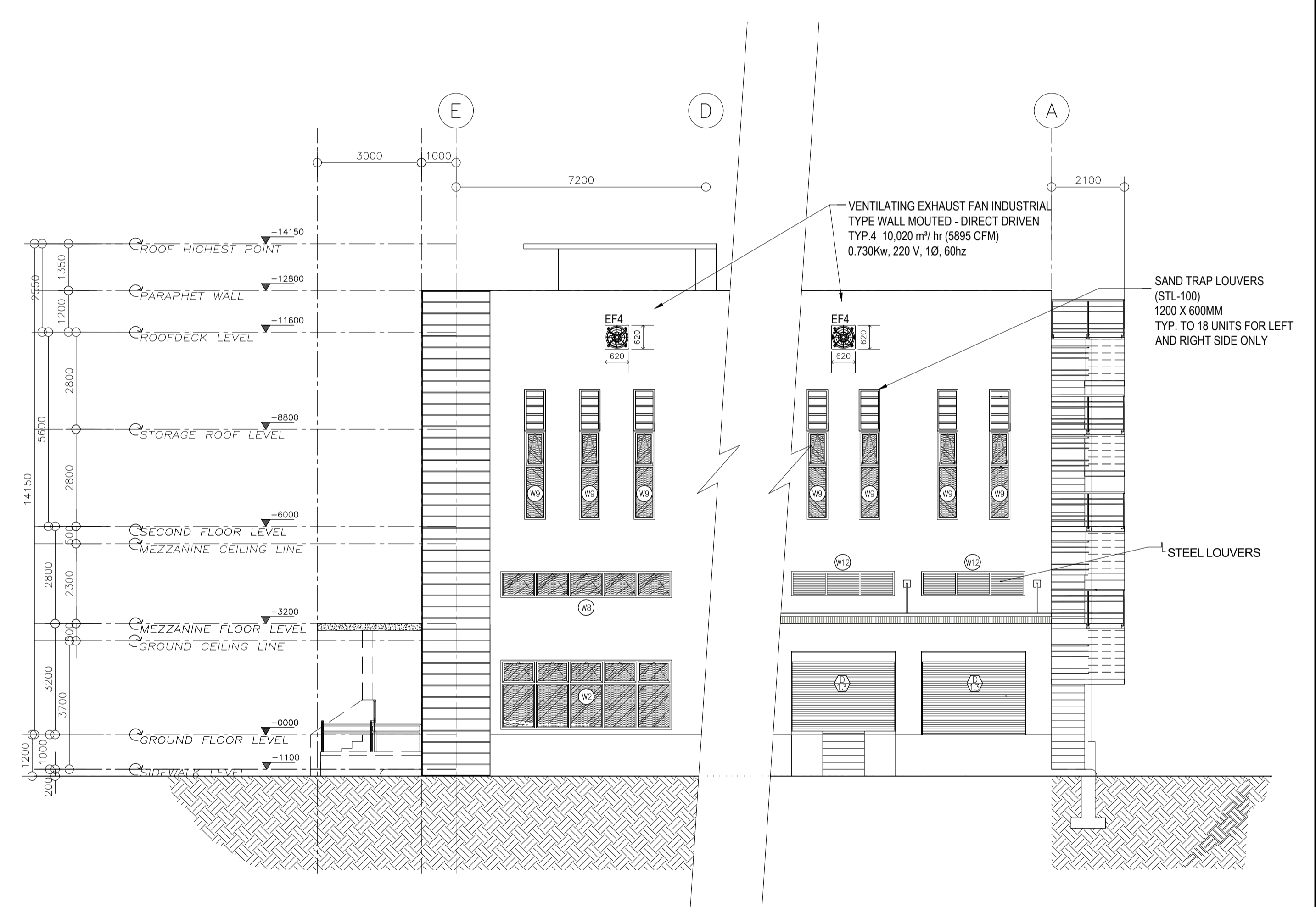
1 INDUSTRIAL TYPE WALL MOUNTED EXHAUST FAN
M-3 SCALE NTS



2 SAND TRAP LOUVER DETAIL
M-3 SCALE NTS



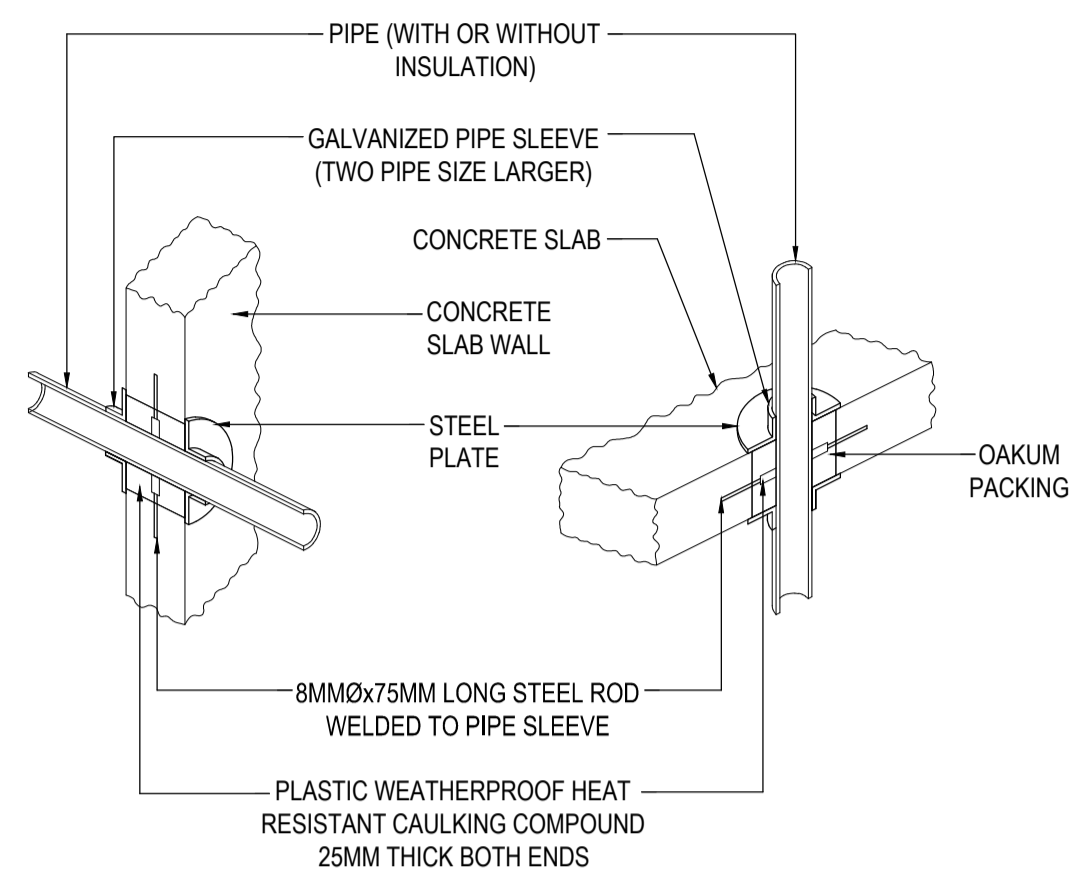
3 PARTIAL LEFT SIDE ELEVATION (SHOWING LOCATION OF INDUSTRIAL EXHAUST FAN)
M-3 SCALE 1:100MTS



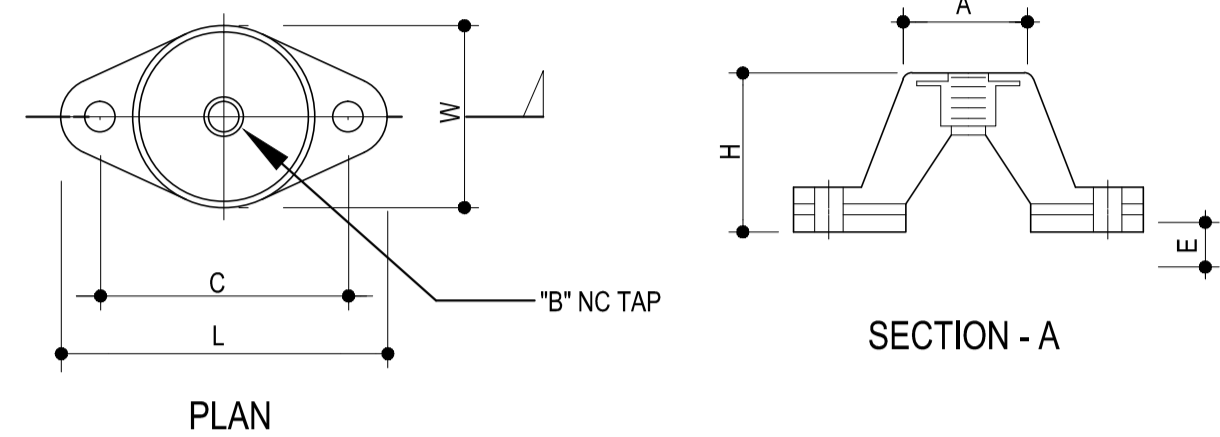
4 PARTIAL RIGHT SIDE ELEVATION (SHOWING LOCATION OF INDUSTRIAL EXHAUST FAN)
M-3 SCALE 1:100MTS

NOTE:
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ELMER T. RAMONEDA
PROJECT MANAGER

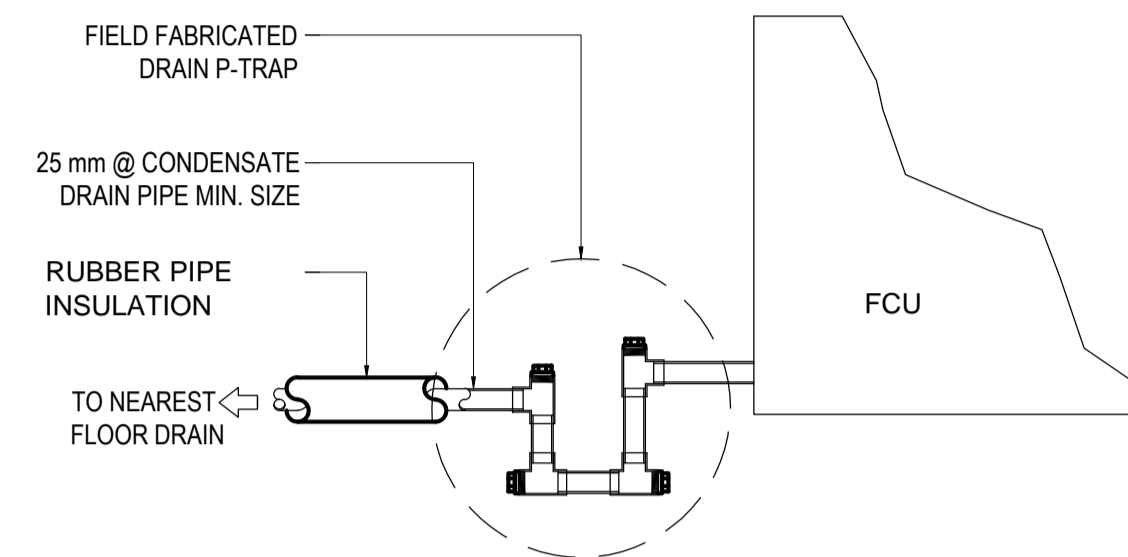
MAX. LOAD (LBS)	DIMENSIONS IN MM.							
	L	W	H	A	B	C	D	E
35 TO 120	79	44	25	32	8	60	9	6
135 TO 380	98	60	32	44	10	76	9	6
250 TO 1100	140	86	44	64	13	105	14	6
1500 TO 4000	165	108	44	95	16	127	14	6



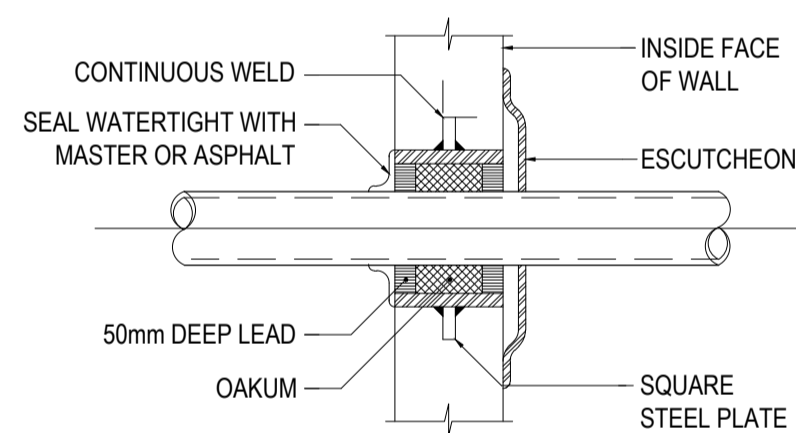
6 PIPE PASSING THRU WALL & FLOOR
M-8 NOT TO SCALE



3 VIBRATION ISOLATOR DETAIL (CONE TYPE)
M-8 NOT TO SCALE

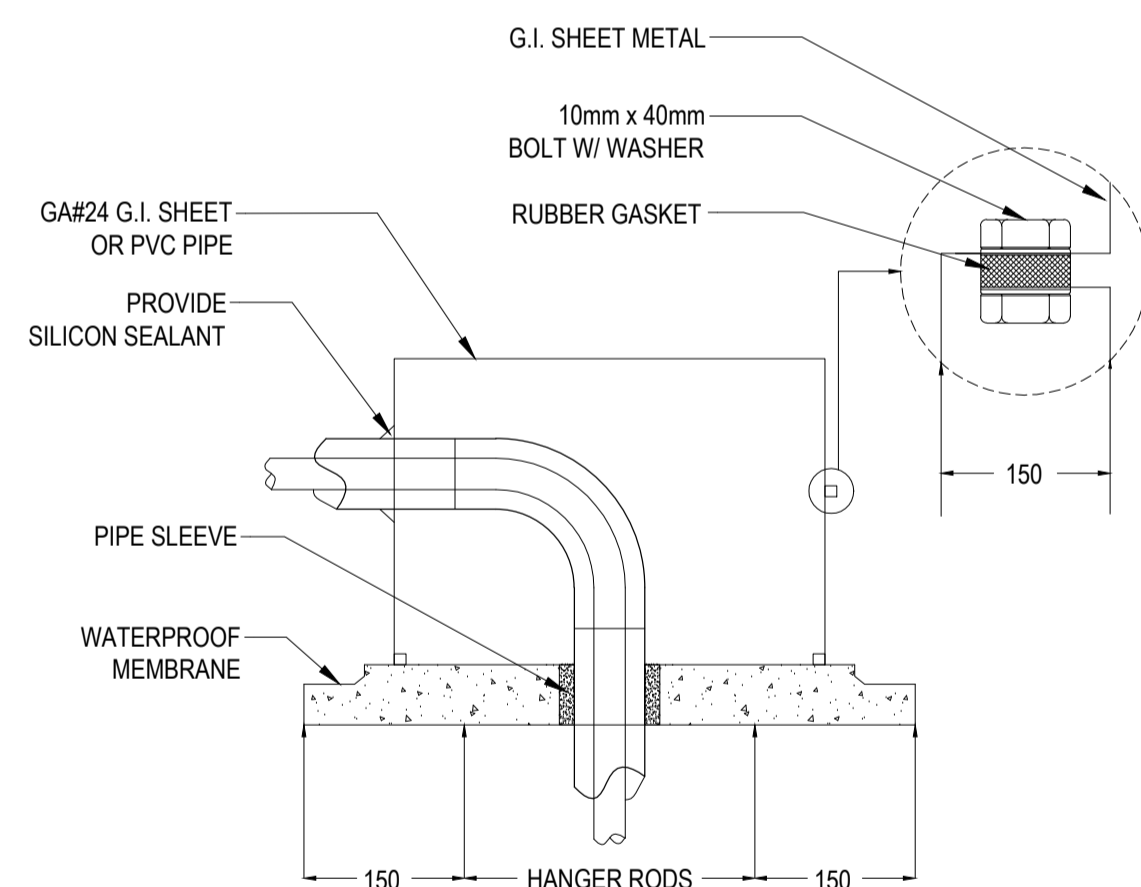


4 DRAIN CONNECTION DETAIL
M-8 NOT TO SCALE

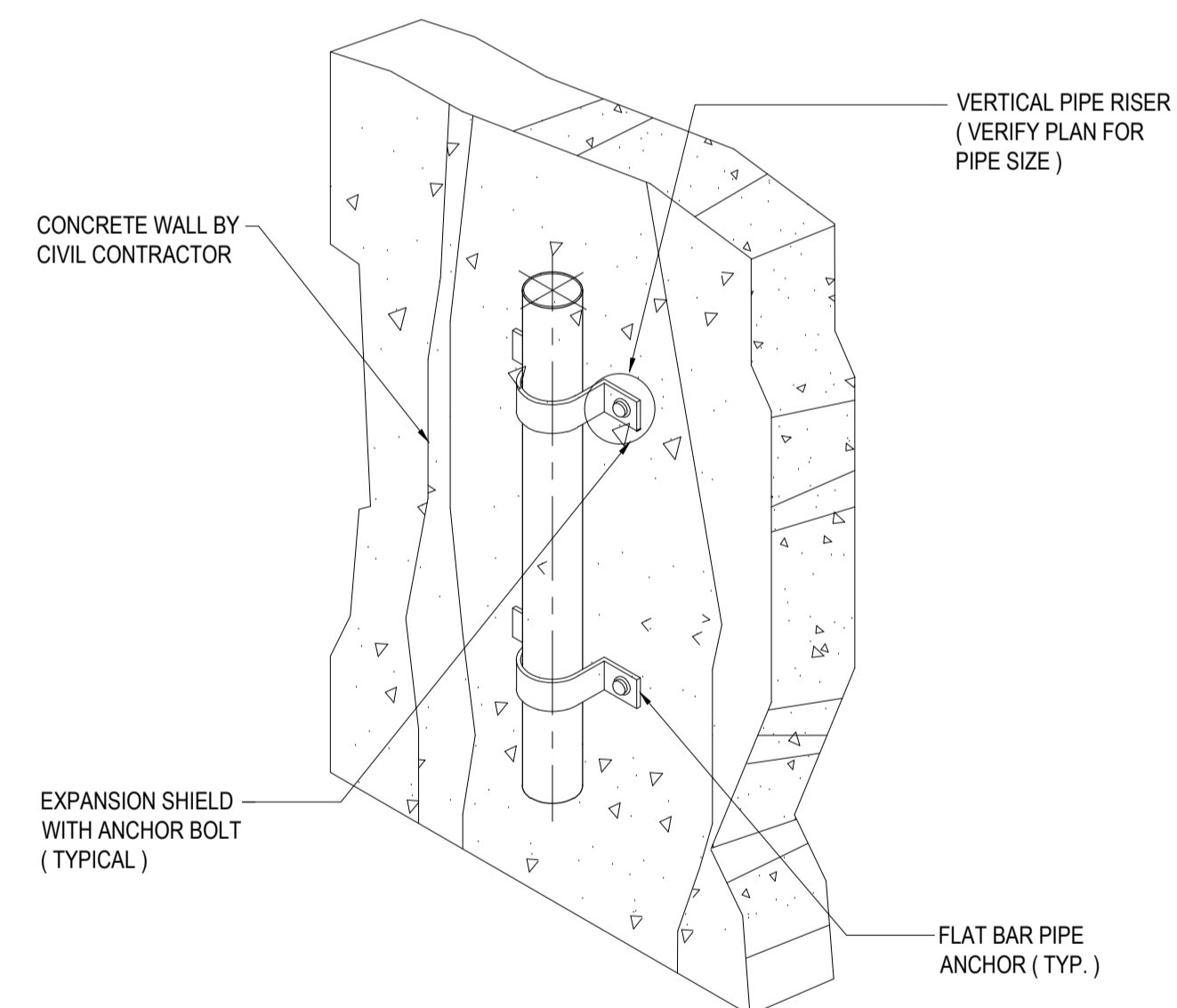


WHERE PIPING PENETRATES WALL AND FLOOR SLABS, THE PIPE WORK SHALL BE SLEEVED WITH 1" THICK FIBERGLASS THE FULL LENGTH OF THE PENETRATION AND SEALED WITH J.M. DUXSEAL OR UNISEAL FIBERGLASS SLEEVE TO BE INSTALLED WIDER THAN THICKNESS OF SLAB AFTER IS MADE UP TIGHT TO FIBERGLASS AND THE MORTAR SET TRIM EXTENDING FIBERGLASS AND SEAL EACH END WITH A NON-HARDENING COMPOUND SIMILAR TO J.M. DUXSEAL OR UNISEAL.

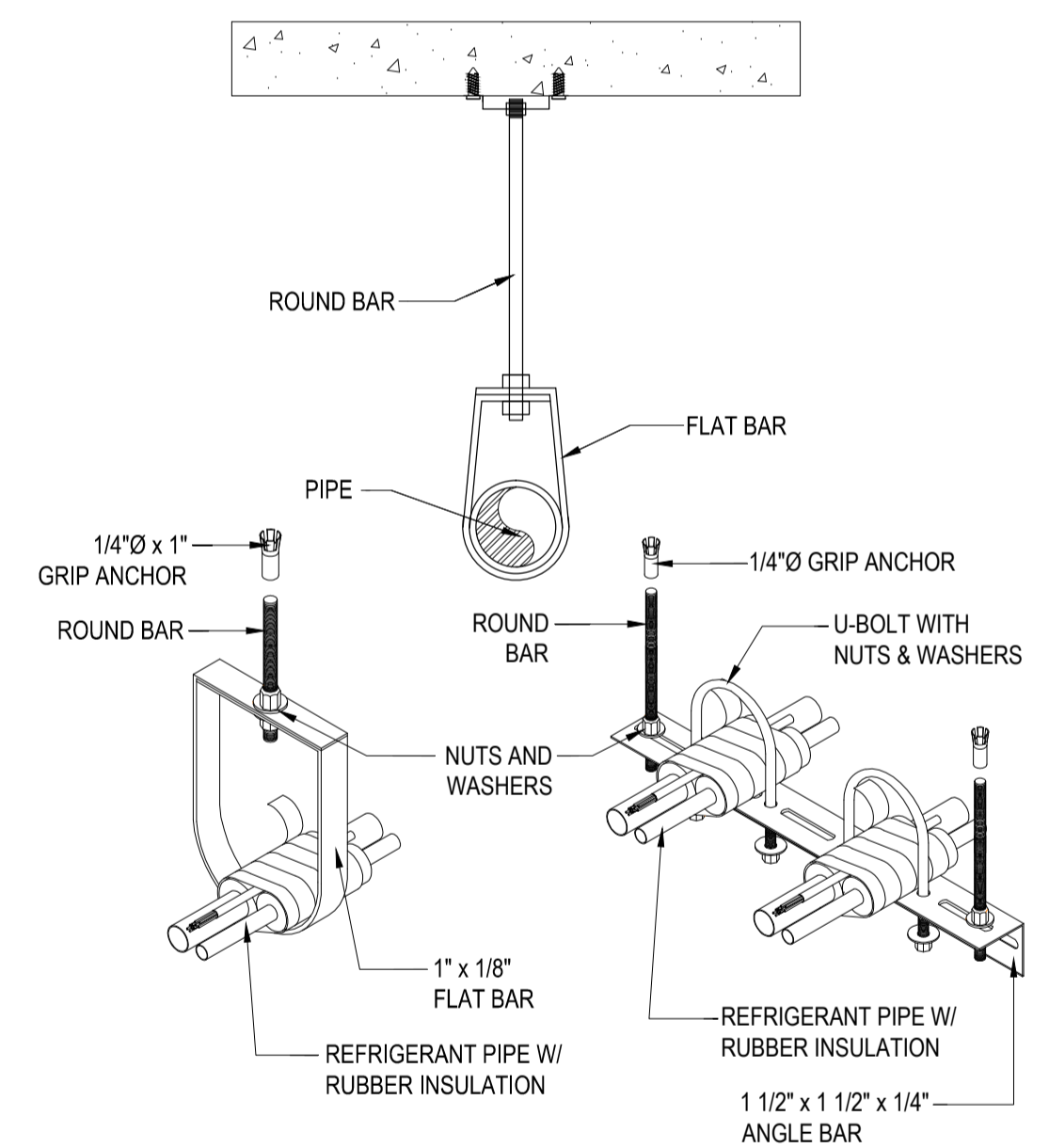
5 PIPE SLEEVE DETAIL
M-8 NOT TO SCALE



7 PIPE THROUGH ROOF DETAIL
M-8 NOT TO SCALE



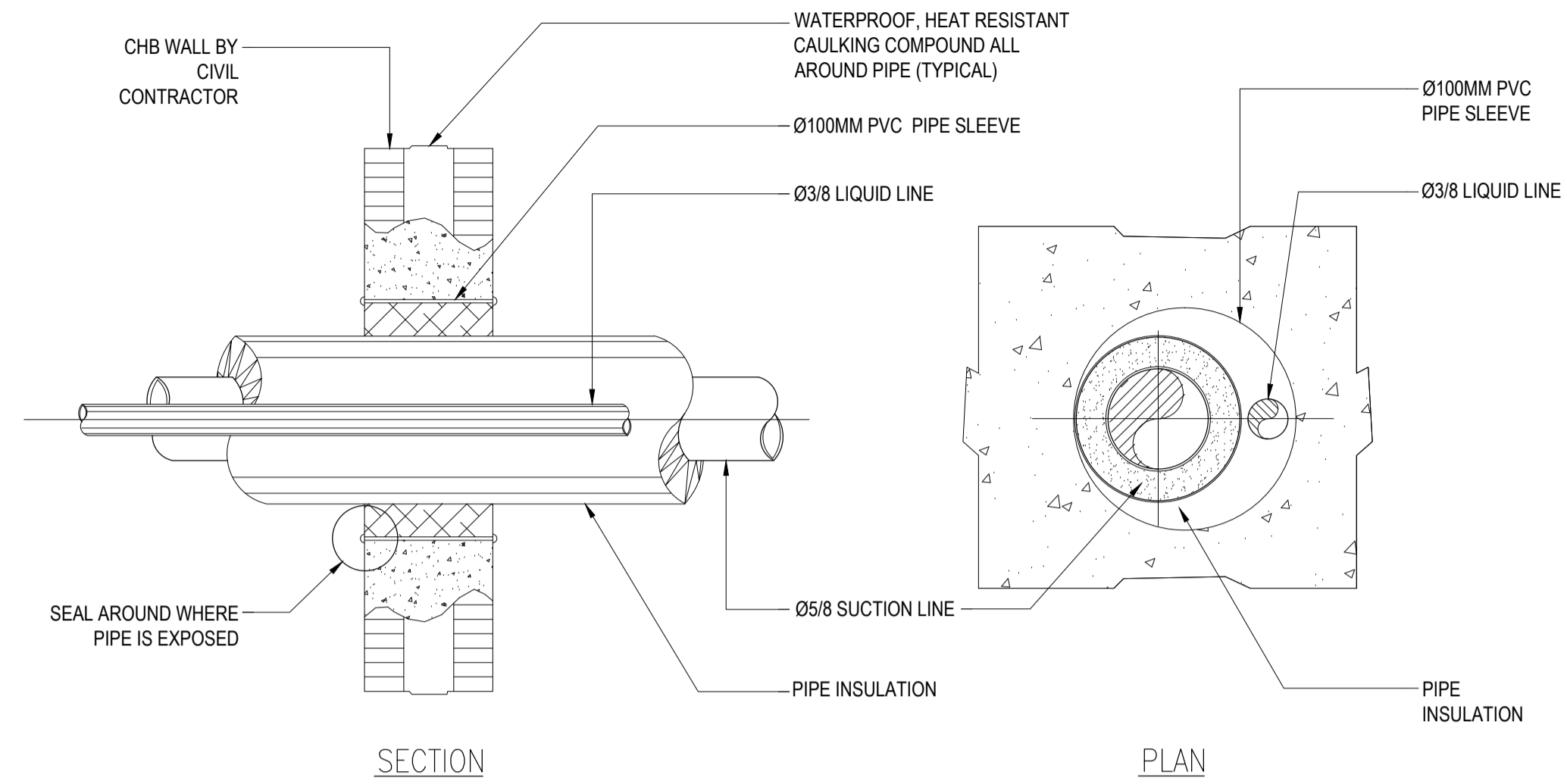
8 VERTICAL PIPE SUPPORT DETAIL
M-8 NOT TO SCALE



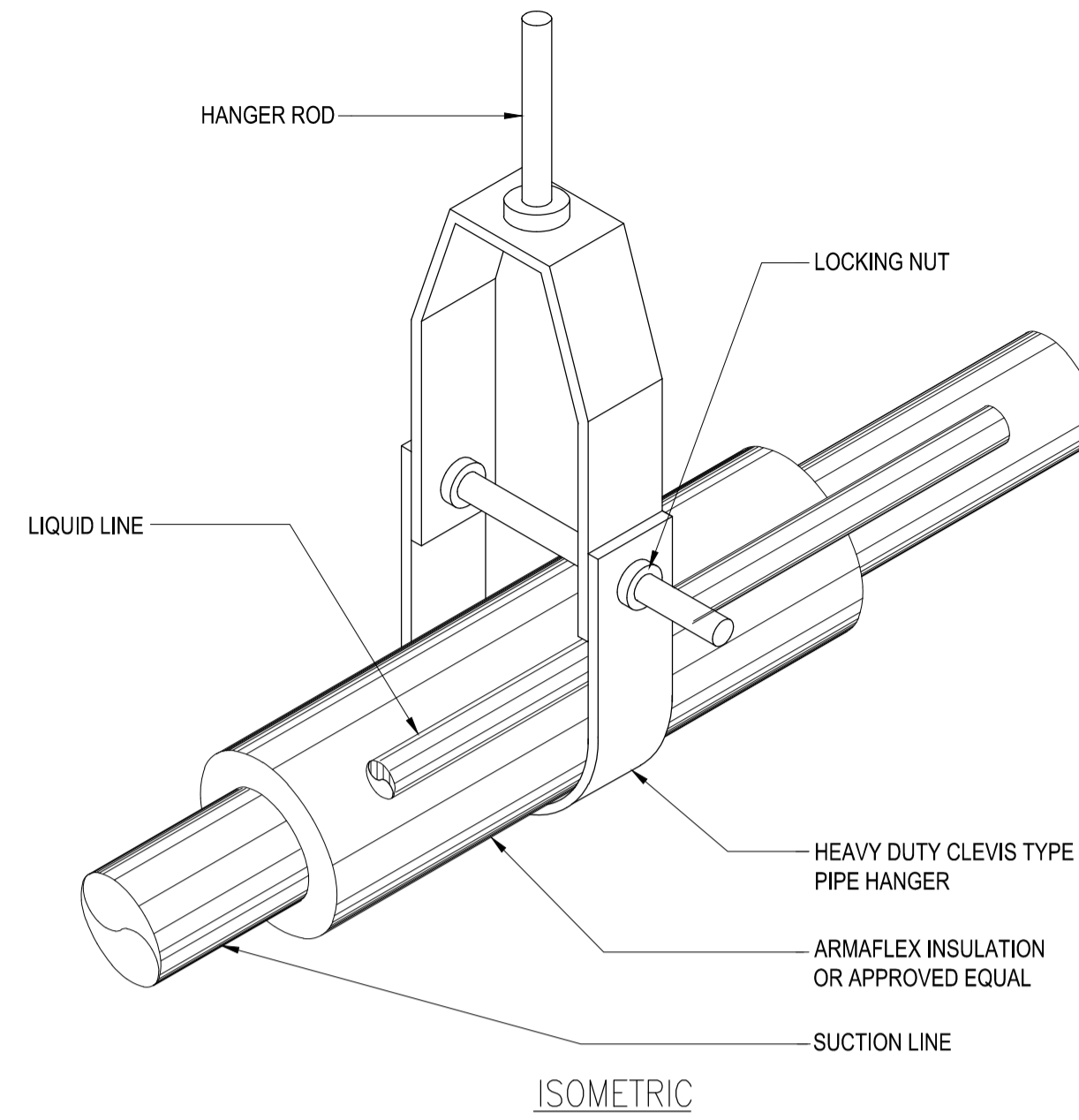
9 PIPE HANGER DETAIL
M-8 NOT TO SCALE

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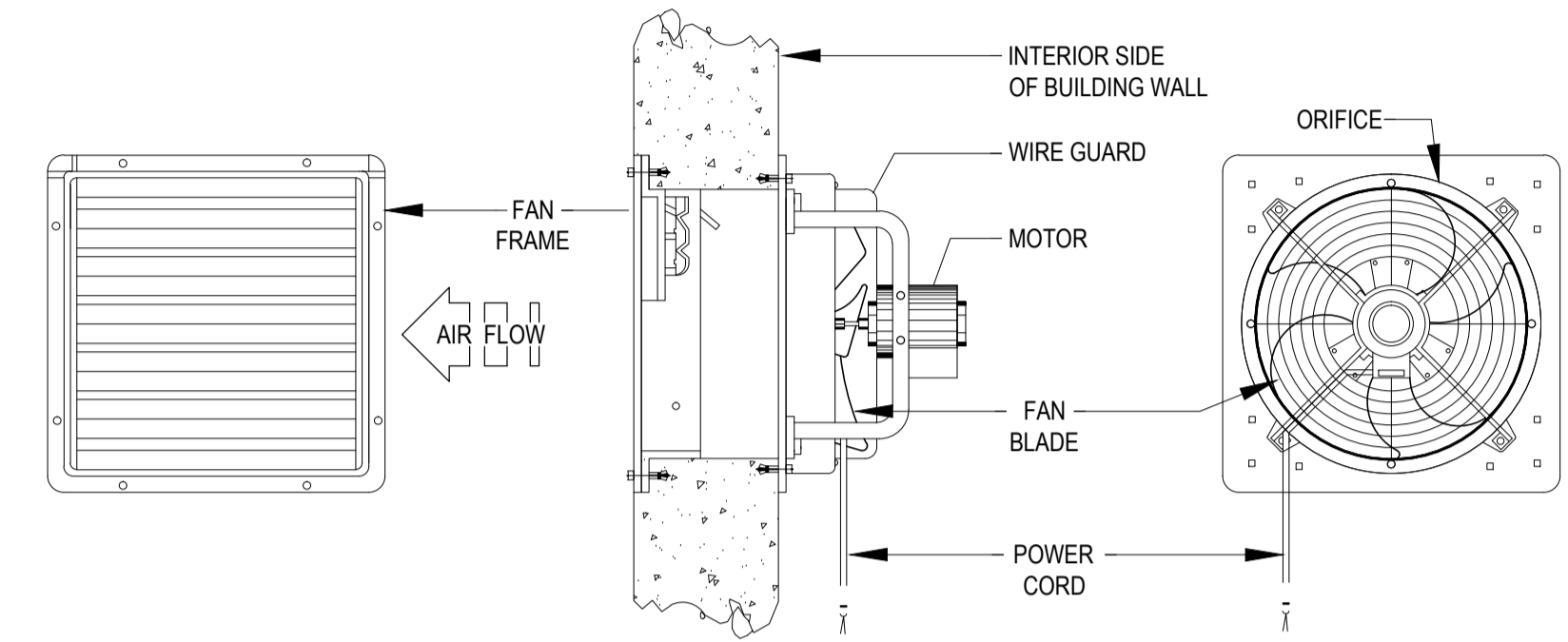
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PROJECT MANAGER



1 REFRIGERANT PIPE THRU WALL DETAIL
M-9 NOT TO SCALE

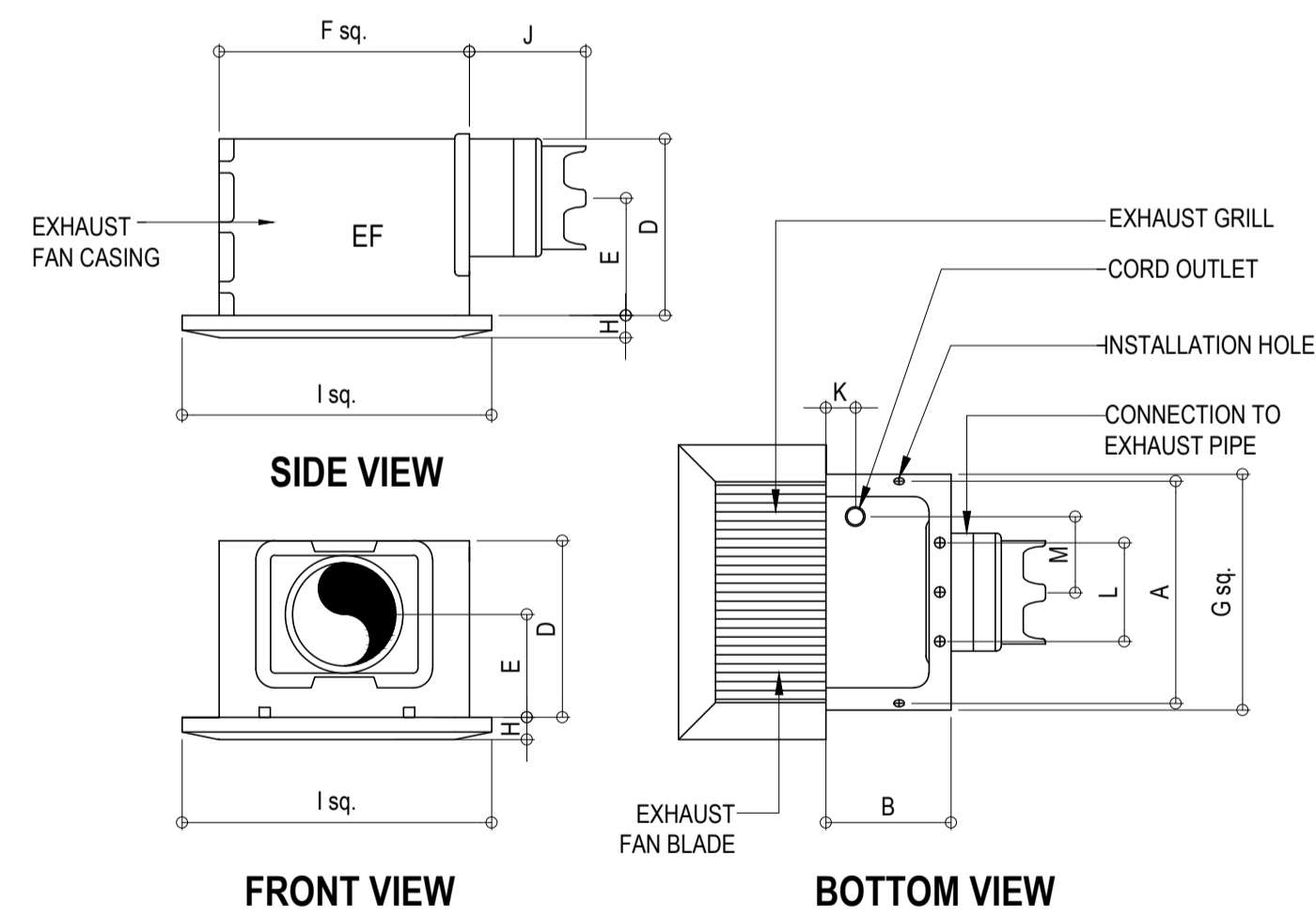


2 REFRIGERANT PIPE HANGER DETAIL
M-9 NOT TO SCALE

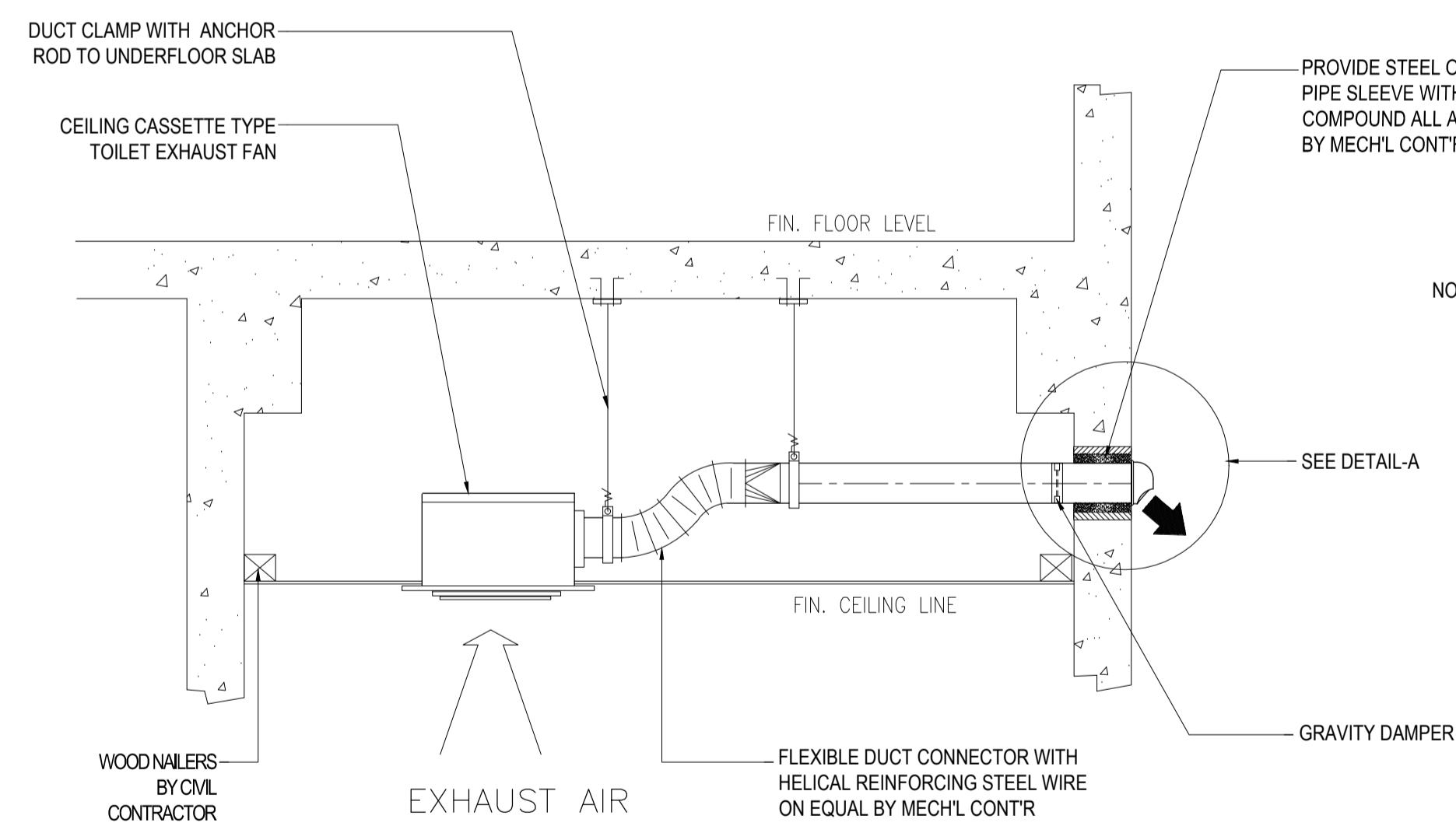


3 EXHAUST FAN (WALL MOUNTED) DETAIL
M-9 NOT TO SCALE

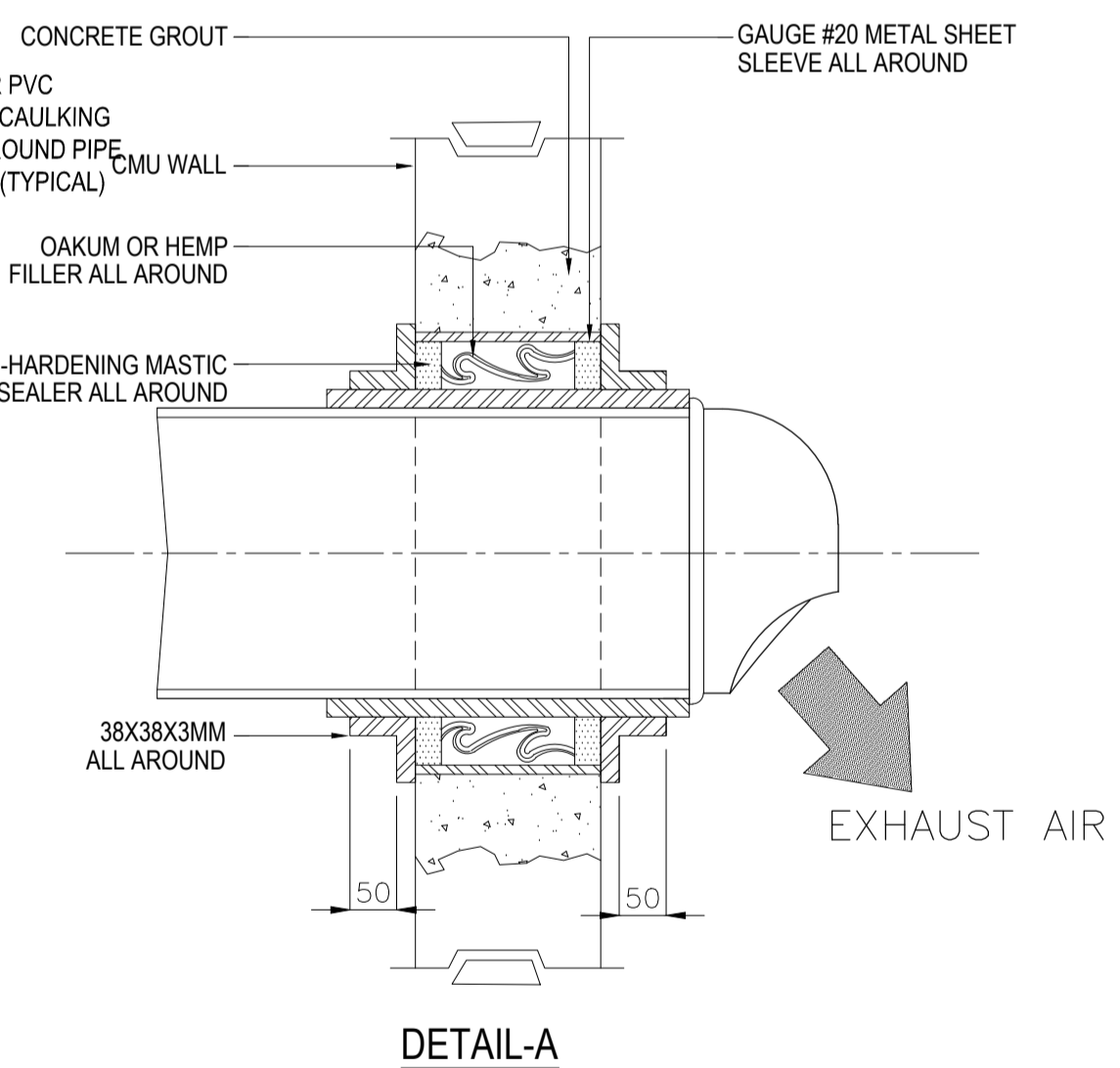
DESIGNATION	A	B	C	D	E	F	G	H	I	J	K	L	M
EF	354	126	140	200	135	230	268	13	300	108	13	108	13



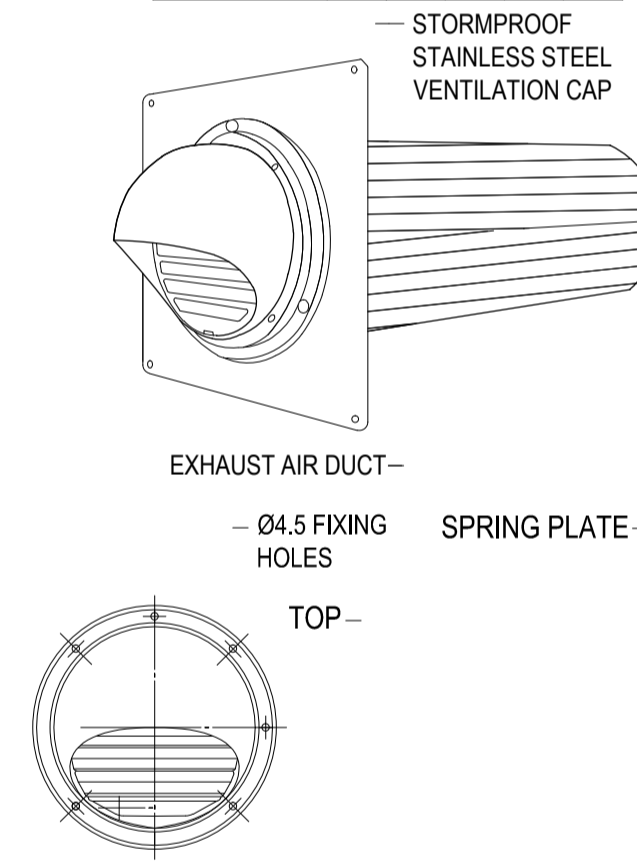
4 CEILING MOUNTED (CASSETTE TYPE) EXHAUST FAN DETAIL
M-9 NOT TO SCALE



5 TYPICAL CASSETTE TYPE EXHAUST FAN MOUNTING DETAIL
M-9 NOT TO SCALE



ITEM	A	B	C	D	E
VENT CAP	190	106	23	147	53



6 VENT CAP DETAIL
M-9 NOT TO SCALE

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GENERAL NOTES :

- ALL FIRE PROTECTION WORKS SHALL CONFORM WITH THE LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES NO. 10, 14, AND 20.
- READ THE DRAWING IN CONNECTION WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ARCHITECT AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES FOUND HEREIN.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF PFE & FHC IN COORDINATION WITH THE ARCHITECTURAL LAYOUT. ANY RELOCATION SHALL BE SUBJECT TO ARCHITECT'S AND ENGINEER'S APPROVAL.
- PIPE SLEEVES SHALL BE PROVIDED FOR ALL PIPES PASSING THRU SLABS, WALLS, GIRDER AND BEAMS
- ALL PIPE SIZES ARE IN MILLIMETER (MM), DIAMETER, UNLESS OTHERWISE NOTED.
- ALL FEEDMAINS AND CROSSMAINS SHALL HAVE WELDED JOINTS AND ALL BRACHLINES SHALL BE OF THREADED JOINTS, UNLESS OTHERWISE NOTED.
- ALL PIPES SHALL BE HYDROSTATICALLY TESTED TO A PRESSURE OF 1380 KPa FOR TWO (2) HOURS.
- WORKMANSHIP: THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER KNOWN TO TRADE AND TO THE SATISFACTION OF THE ARCHITECT AND THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL GOVERNMENT/ LOCAL CONSTRUCTION AND OPERATION PERMITS AND PAY ALL THE REQUIRED FEES.

LEGEND & SYMBOLS :

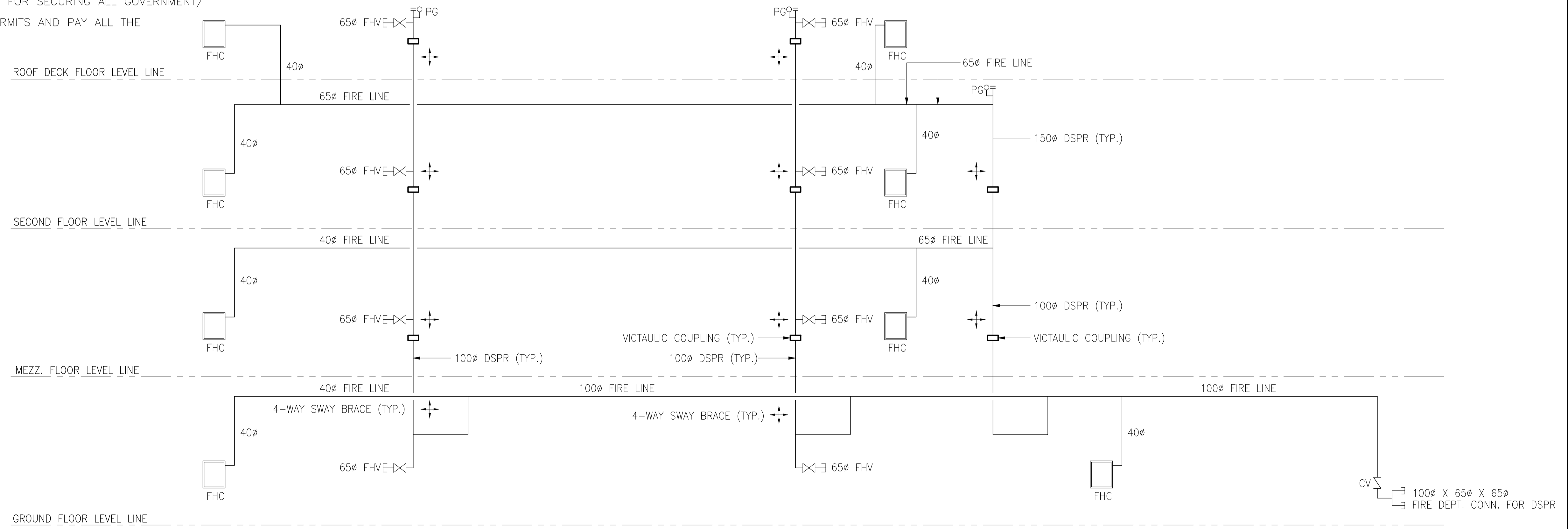
- FDC
- DSPR
- FHV
- CHECK VALVE
- 25
- PIPE DOWN
- PIPE UP
- PFE
- FHC
- PIPE HANGER
- 2 - WAY SWAY BRACE
- 4 - WAY SWAY BRACE
- FL
- 2 - WAY FIRE DEPARTMENT CONNECTION
- DRY STANDPIPE RISER
- FIRE HOSE VALVE
- CHECK VALVE
- SIZE AS INDICATED
- PIPE DOWN
- PIPE UP
- PORTABLE FIRE EXTINGUISHER
- FIRE HOSE CABINET
- PIPE HANGER
- 2 - WAY SWAY BRACE
- 4 - WAY SWAY BRACE
- FIRE LINE

PIPE SLEEVE SCHEDULE

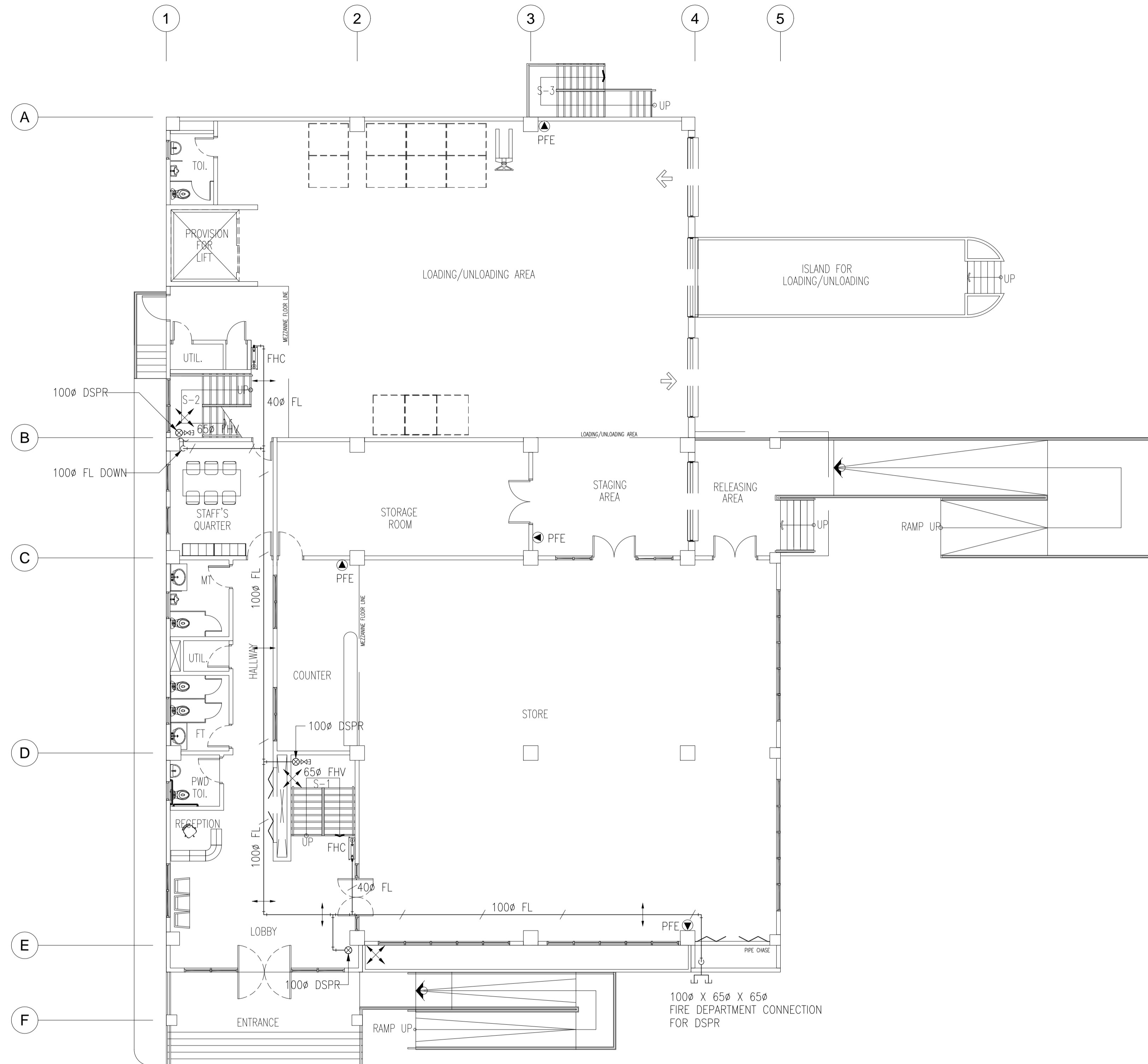
PIPE SIZE	NOMINAL SIZE						
	25	32	40	50	65	80	100
SLEEVE SIZE	50	50	65	100	125	125	200

NOTE:
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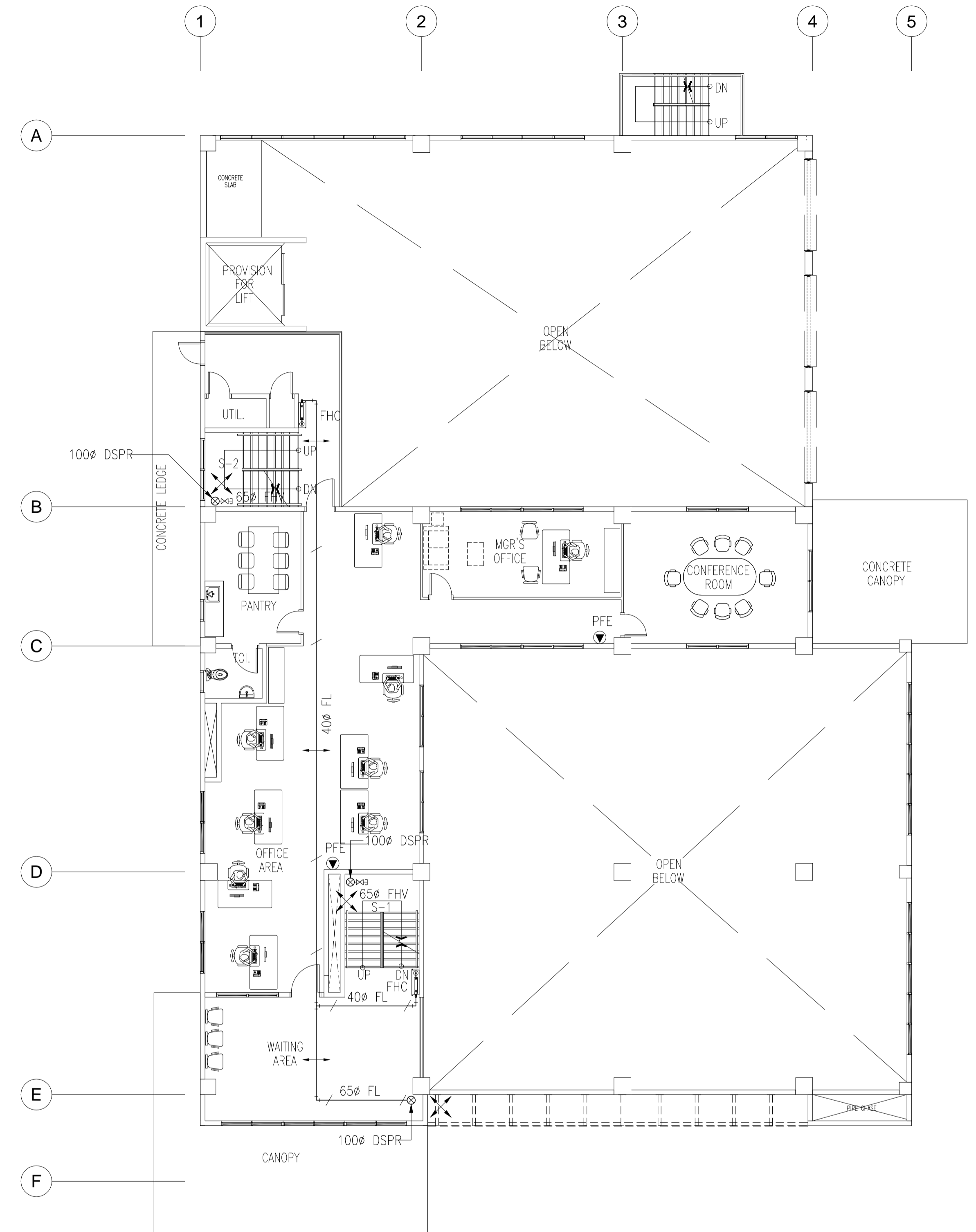
 ELMER T. RAMONEDA
 PROJECT MANAGER



1
 FP-1 NOT TO SCALE



1
FP-2 **GROUND FLOOR FIRE PROTECTION PLAN**
SCALE: 1 : 200 MTS.

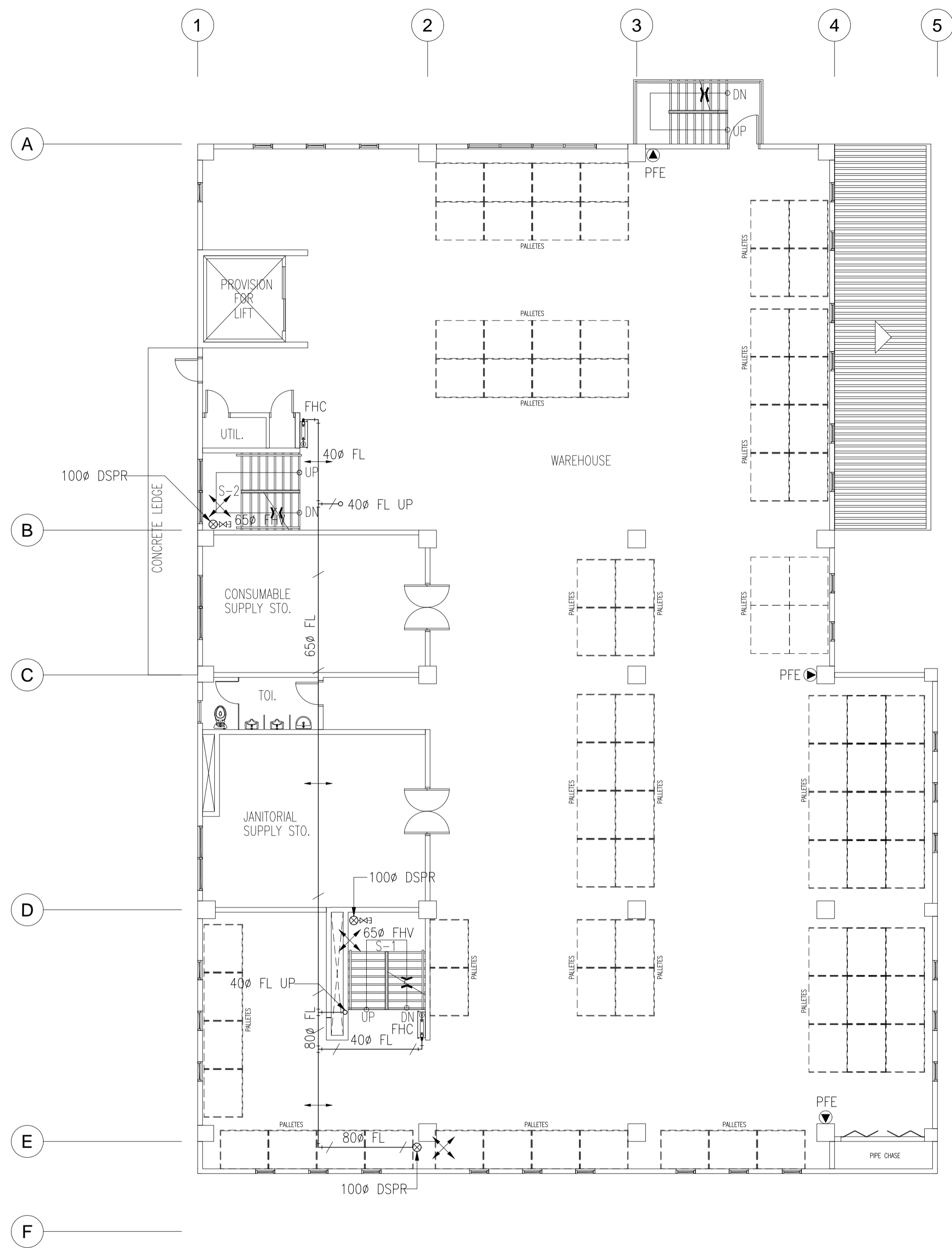


2
FP-2 **MEZZANINE FLOOR FIRE PROTECTION PLAN**
SCALE: 1 : 200 MTS.

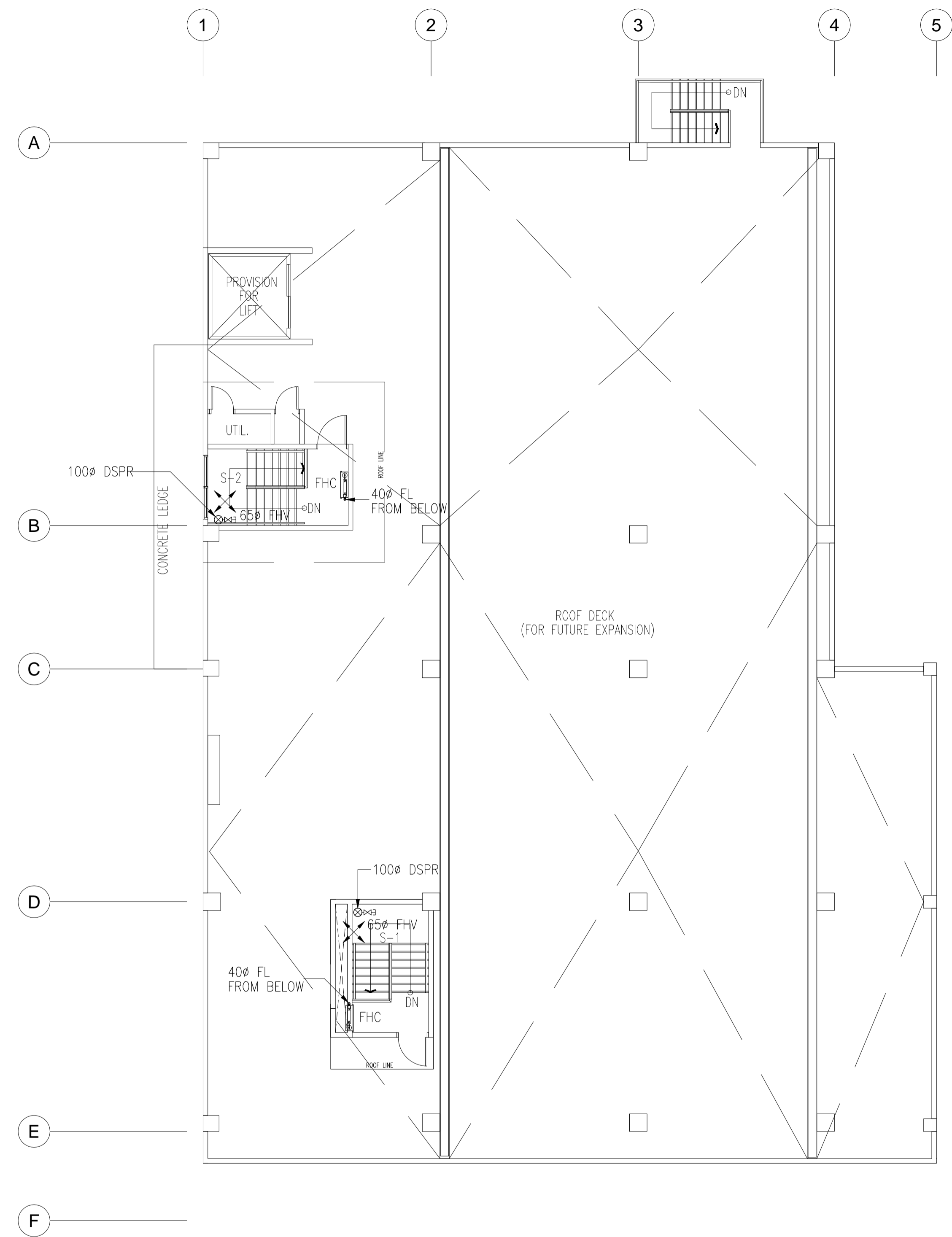
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PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	PROF. MECHANICAL ENGINEER: HERMINO M. DAVID DATE: OCT-22-2020 PTR NO.: 1728384 TIN NO.: 147-630-001	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA</p>	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO 1 UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR FIRE PROTECTION PLAN MEZZ. FLOOR FIRE PROTECTION PLAN	SET NO. F	SHEET NO. 2 4
	<p>1 : 200 MTS.</p>									



1
FP-3 **SECOND FLOOR FIRE PROTECTION PLAN**
SCALE: 1 : 200 MTS.

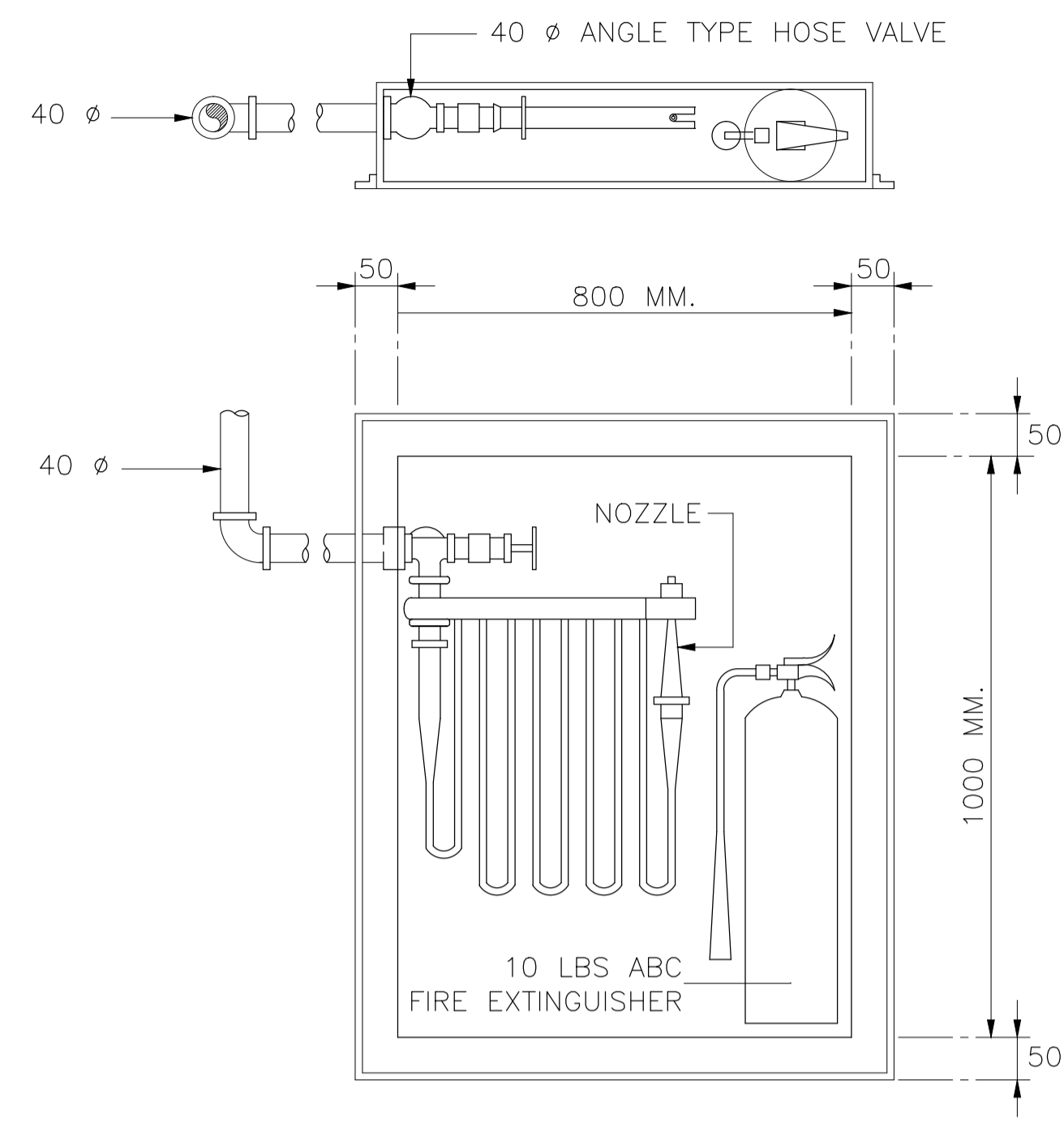


2
FP-3 **ROOF DECK FIRE PROTECTION PLAN**
SCALE: 1 : 200 MTS.

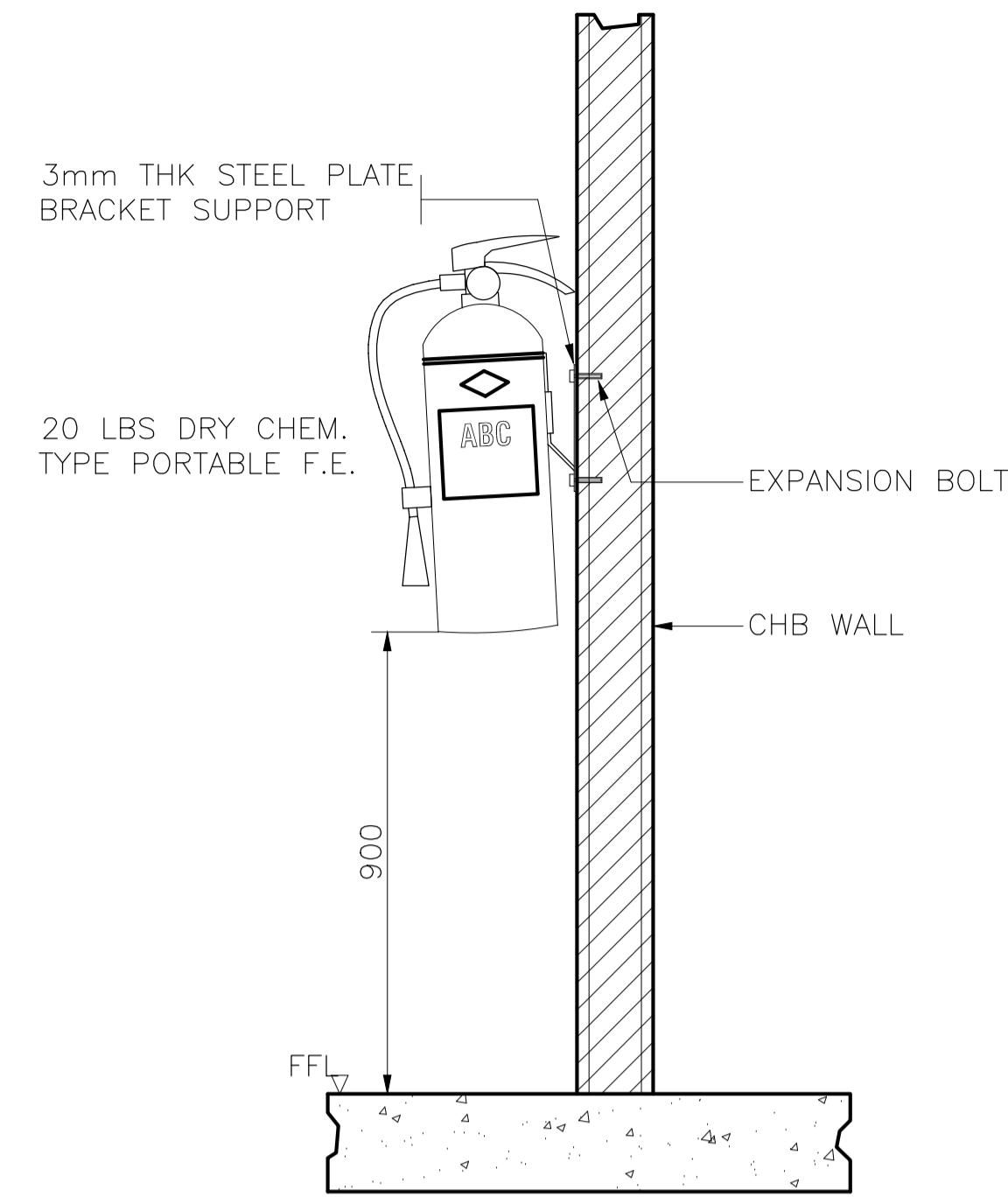
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Elmer T. Ramoneda
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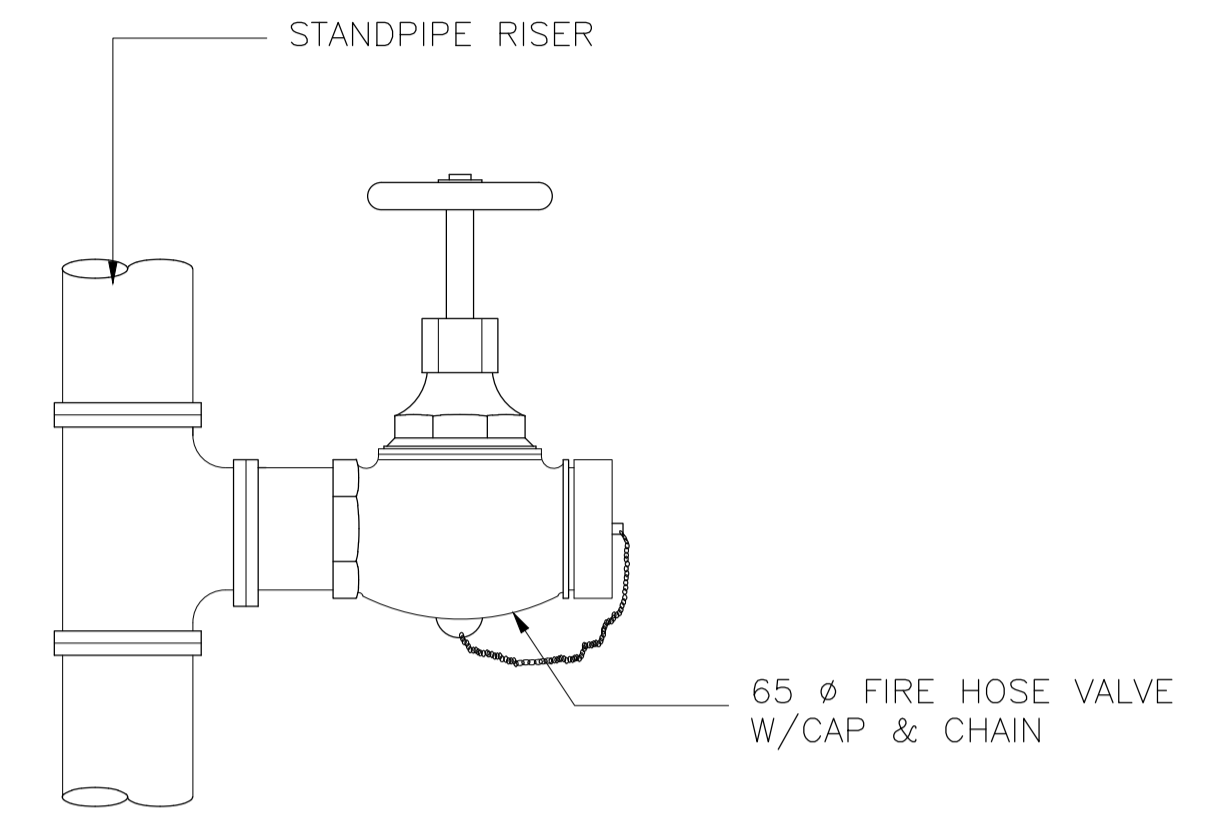
 in joint venture with 	PROF. MECHANICAL ENGINEER: HERMINO M. DAVID <small>PRC NO.: 2715 DATE: OCT-22-2020 PTR NO.: 1728384 DATE: 01-11-2019 TIN NO.: 147-630-001 PLACE: PARANGQUE CITY</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR FIRE PROTECTION PLAN ROOF DECK FIRE PROTECTION PLAN	SET NO. F	SHEET NO. 3 4



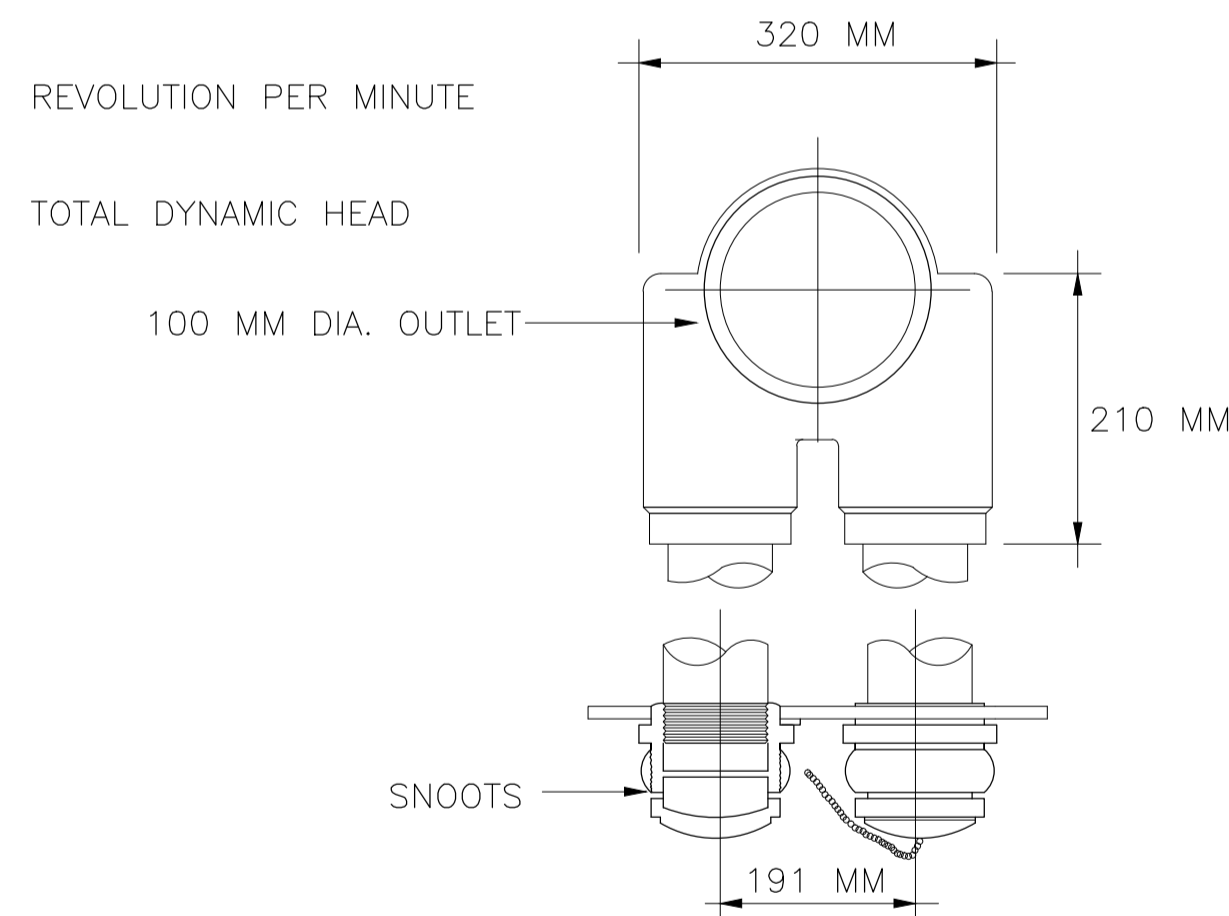
1 FIRE HOSE CABINET DETAIL
 NOT TO SCALE
 FP-4



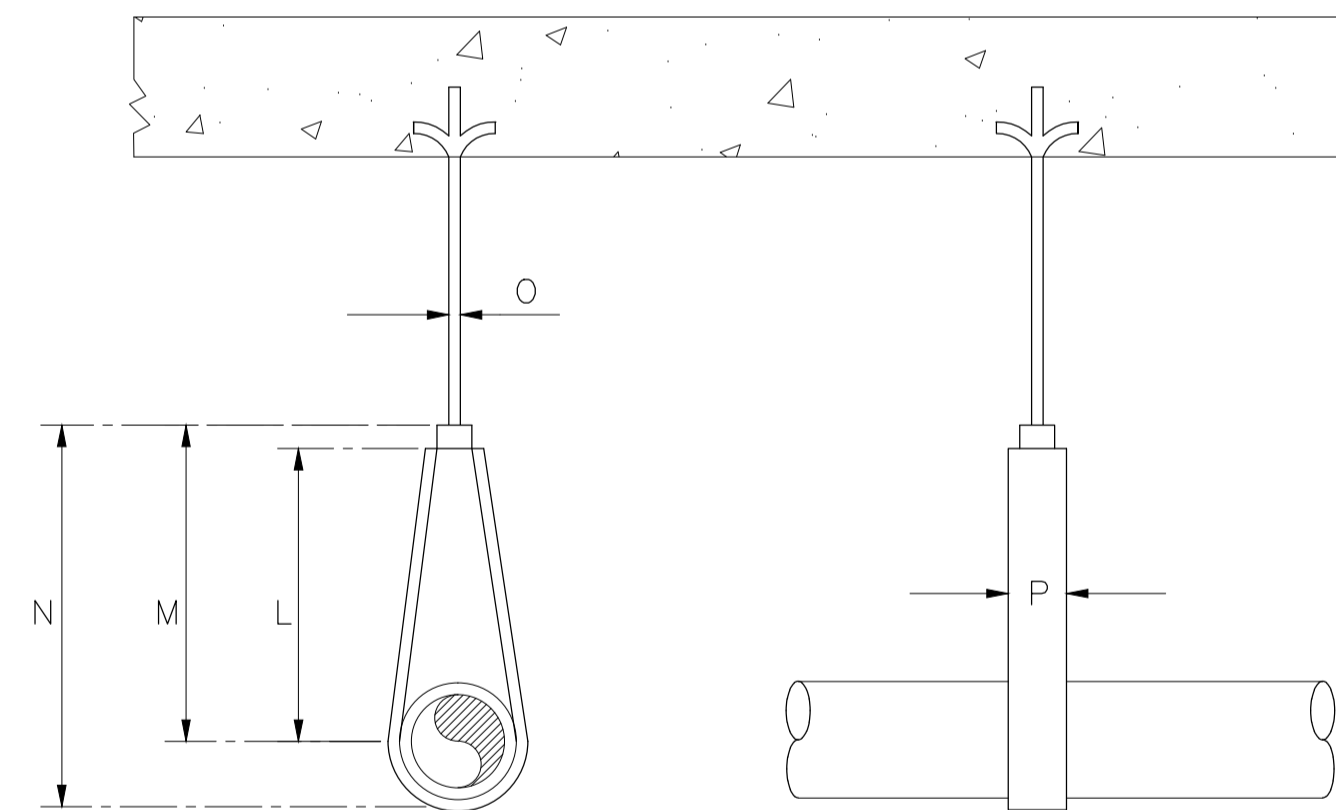
2 PORTABLE FIRE EXTINGUISHER MOUNTING DETAIL
 NOT TO SCALE
 FP-4



3 FIRE HOSE VALVE DETAIL
 NOT TO SCALE
 FP-4



4 FIRE DEPT. CONNECTION DETAIL
 NOT TO SCALE
 FP-4



5 PIPE HANGER DETAIL AND SCHEDULE
 NOT TO SCALE
 FP-4

PIPE SIZE	25	32	40	50	65	80	100
	1	1-1/4	1-1/2	2	2-1/2	3	4
L	54	57	57	65	75	79	89
	2-1/8	2-1/4	2-1/4	2-1/2	3	3-1/8	3-1/2
M	70	73	79	89	108	121	130
	2-3/4	2-7/8	3-1/8	3-1/2	4-1/4	4-3/4	5-1/8
N	83	95	110	121	143	146	191
	3-1/4	3-3/4	4-1/3	4-3/4	5-5/8	5-3/4	7-1/2
O	10	10	10	10	13	13	16
	3/8	3/8	3/8	3/8	1/2	1/2	5/8
P	1.6 X 16	1.6 X 16	1.6 X 16	1.6 X 16	2.4X19	2.4X19	3.2X19
	1/16X5/8	1/16X5/8	1/16X5/8	1/16X5/8	3/32X3/4	3/32X3/4	1/8X3/4

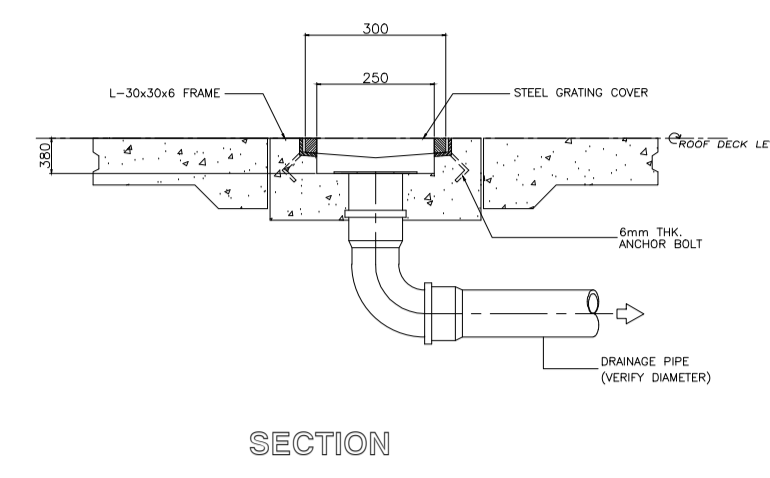
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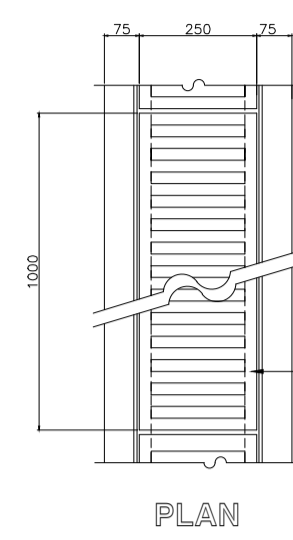
- LEGEND :**
- SEWAGE LINE
 - DRAIN PIPE LINE
 - VENT PIPE LINE
 - SP SOIL PIPE
 - VS VENT STACK
 - VTR VENT THRU ROOF
 - DP DRAIN PIPE
 - DS DOWNSPOUT
 - ADCB AREA DRAIN CATCH BASIN
 - PDP PERFORATED DRAIN PIPE
 - PBD PLANT BOX DRAIN
 - STORM DRAINAGE LINE
 - COLD WATER LINE (CWL)
 - G.V. GATE VALVE (NORMALLY OPEN)
 - MH MANHOLE
 - PIPE DOWN
 - PIPE UP
 - %S % SLOPE
 - FLOOR CLEAN-OUT
 - CEILING CLEAN-OUT
 - GRADE CLEAN-OUT
 - PIPE SLEEVES

PLUMBING FIXTURE CONNECTION SIZE SCHEDULE :

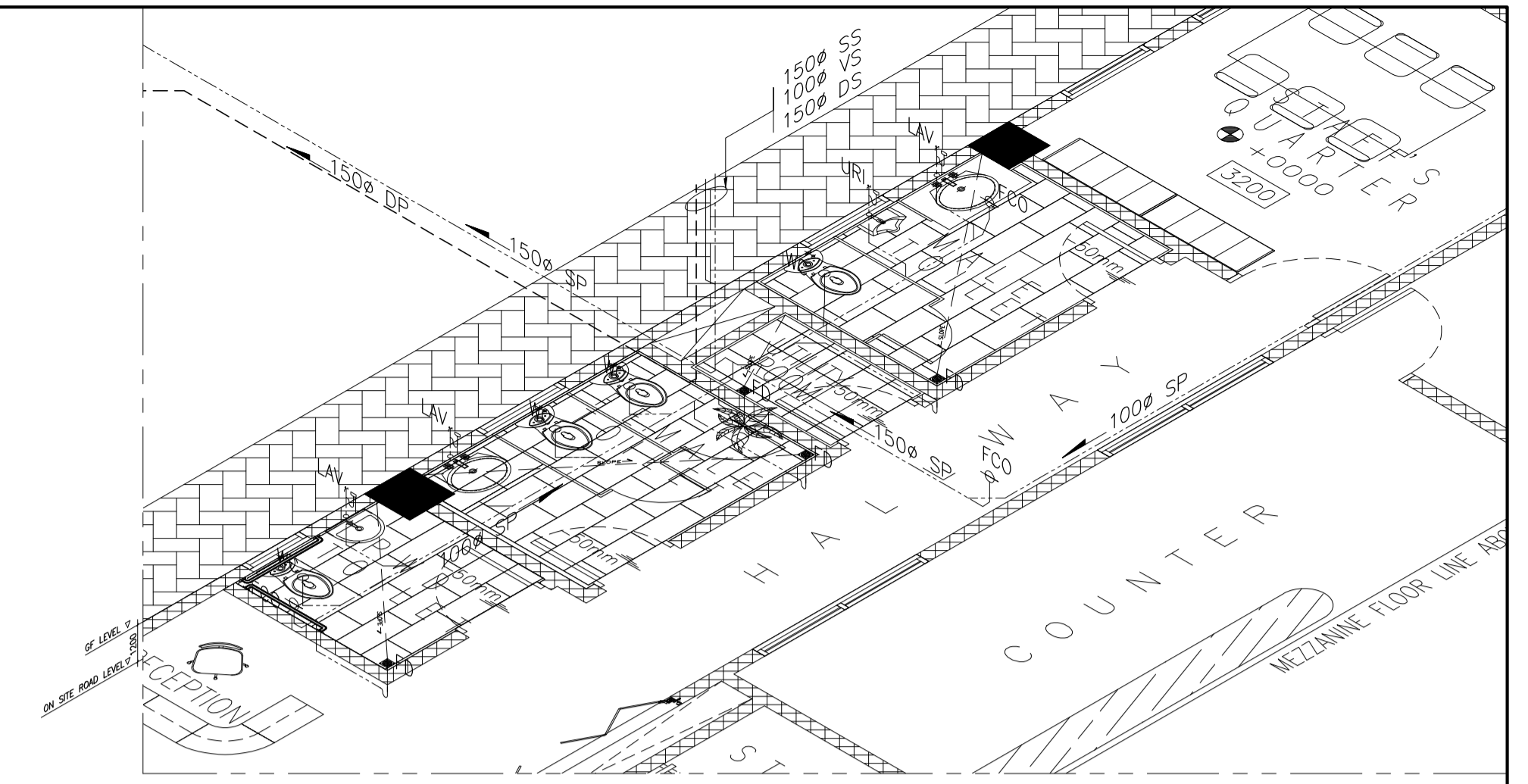
SYMBOLS	FIXTURES	MIN. PIPE CONNECTION SIZE IN MM DIAMETER					REMARKS
		WASTE/SOIL	VENT	STORM	COLD WATER	HOT WATER	
WC	WATER CLOSET	100	100	--	20	--	TANK TYPE
LAV	LAVATORY	50	100	--	20	--	WITH P-TRAP
KS	KITCHEN SINK	50	100	--	20	--	WITH P-TRAP
FD	FLOOR DRAIN	75	100	--	--	--	WITH P-TRAP
URI	URINAL	50	100	--	20	--	WITH P-TRAP
HB	HOSE BIBB	--	--	--	20	--	
DD/TD	DECK DRAIN/TRENCH DRAIN	--	--	100	--	--	
ED	EQUIPMENT DRAIN	--	--	75	--	--	WITH P-TRAP
ED	EQUIPMENT DRAIN	--	--	25	--	--	
PBD	PLANT BOX DRAIN	--	--	50	--	--	
PDP	PERFORATED DRAIN PIPE	--	--	50 / 80	--	--	



M TRENCH DETAILS PLAN

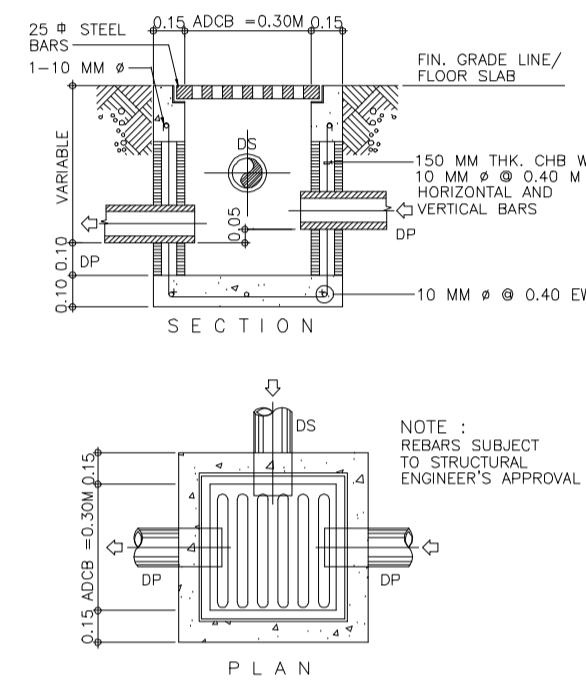


PLAN

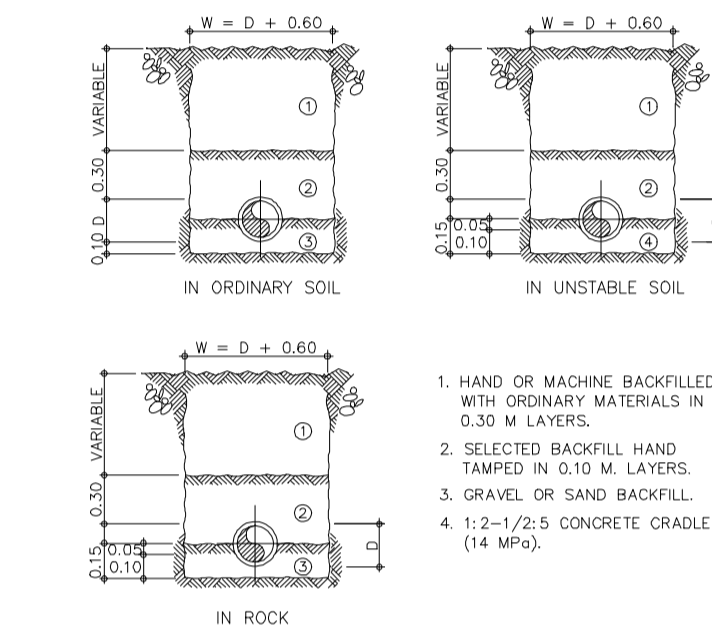


N ISOMETRIC DETAILS

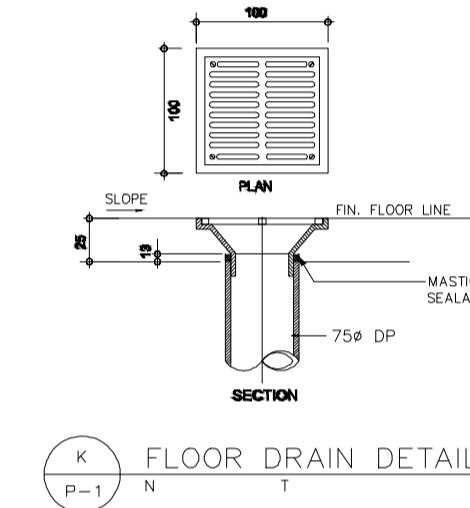
- GENERAL NOTES :**
- ALL PLUMBING WORKS SHALL CONFORM WITH THE PREVAILING REQUIREMENTS OF THE LOCAL ORDINANCE AND NATIONAL LAWS.
 - READ THE DRAWING CONNECTION WITH OTHER RELATED AND SPECIFICATIONS. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES FOUND THEREIN.
 - THE CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF EXISTING PIPES AND STRUCTURES TO CONFORM WITH THE PROPOSED SANITARY UTILITIES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED FLOOR AND WALL OPENINGS.
 - ALL PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE W/ PRIOR APPROVAL OF THE ARCHITECT AND THE ENGINEER.
 - ALL SLOPE FOR HORIZONTAL PIPES SHALL MAINTAIN 1% AS MINIMUM, UNLESS OTHERWISE NOTED.
 - ALL FIXTURES SHALL BE VENTED UNLESS OTHERWISE NOTED.
 - ALL PIPE SIZES INDICATED ARE IN MILLIMETER (MM) DIAMETER, UNLESS OTHERWISE NOTED.
 - ALL WATER PIPES SHALL BE PROVIDED WITH 30CM PIPE EXTENSION AND CAPPED AT THE END.
 - ALL SANITARY AND STORM DRAINAGE PIPES SHALL BE HYDROSTATICALLY TESTED (@ LEAST 3.0M HIGH) TO ENSURE THAT THE SYSTEM ARE WATER TIGHT.
 - WORKMANSHIP: THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER KNOWN TO TRADE AND TO THE SATISFACTION OF THE ARCHITECT AND THE ENGINEER.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL GOVERNMENT /LOCAL CONSTRUCTION AND OPERATION PERMITS AND PAY ALL THE REQUIRED FEES AND REQUIRED TO PROVIDE THE AS-BUILT PLAN.
 - REFER TO TECHNICAL SPECIFICATION FOR DETAILED MATERIALS & EQUIPMENT SPECIFICATIONS.
 - ALL PIPES SIZES FOR WATER LINE ARE NORMAL DIAMETERS.



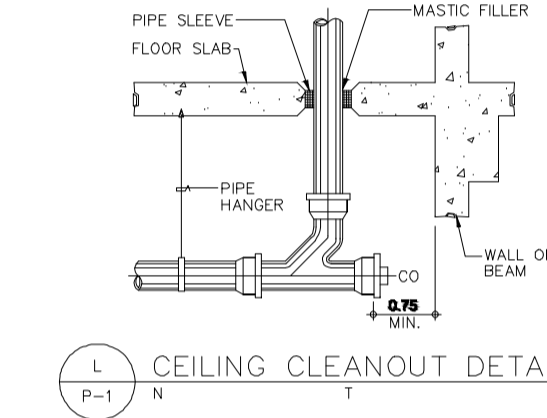
E AREA DRAIN CATCH BASIN DETAIL



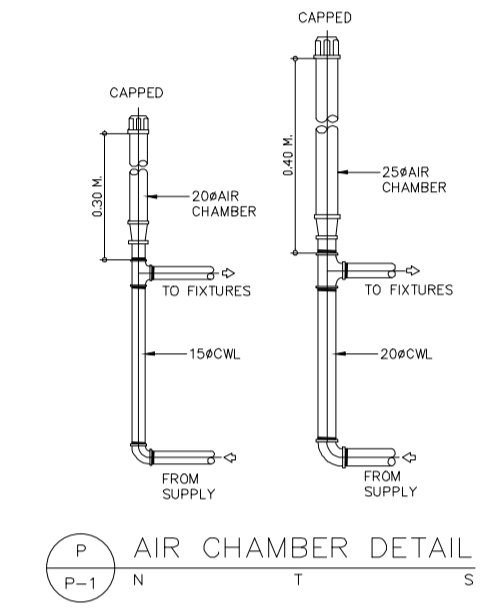
F TRENCHING, BEDDING & BACKFILLING DETAIL



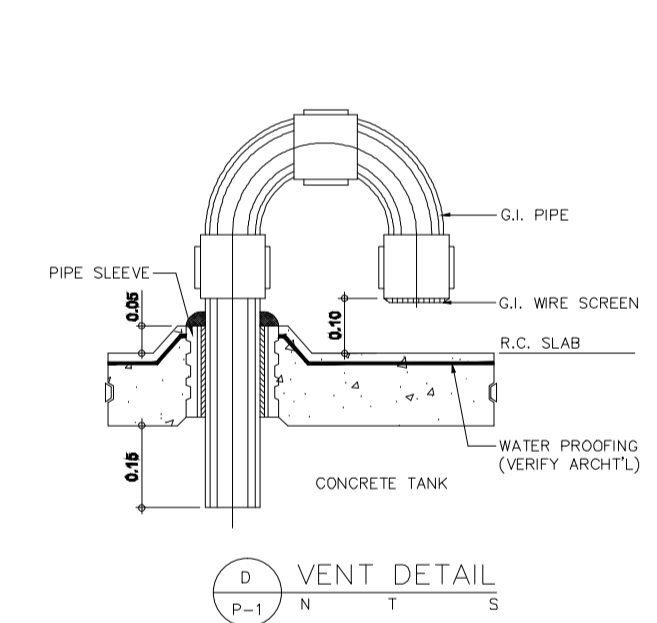
K FLOOR DRAIN DETAIL



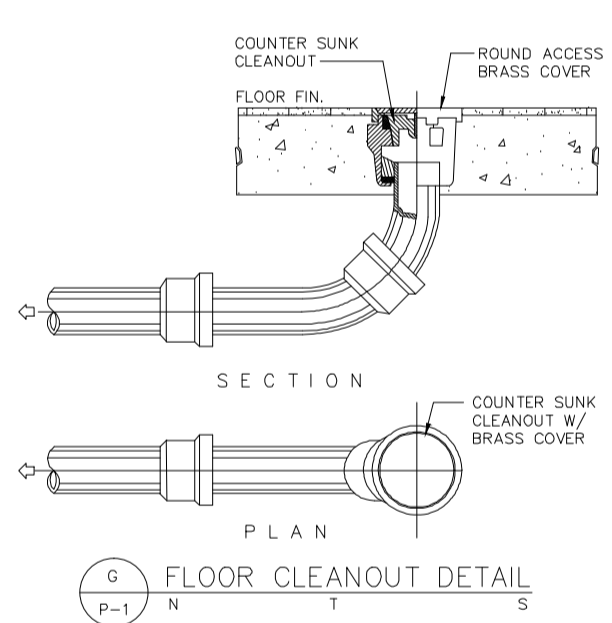
L CEILING CLEANOUT DETAIL



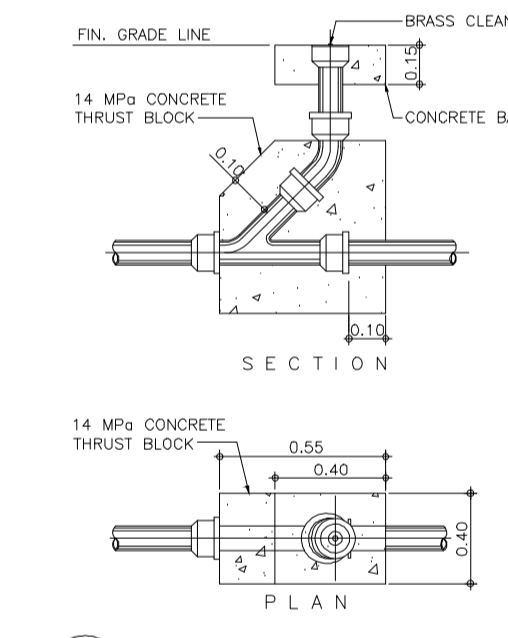
P AIR CHAMBER DETAIL



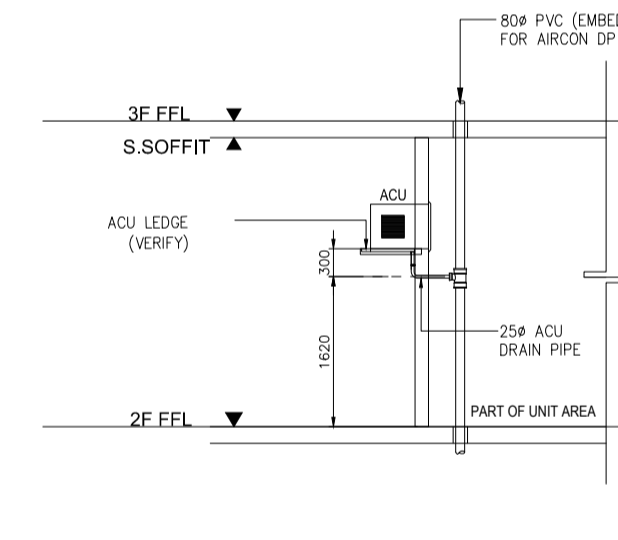
D VENT DETAIL



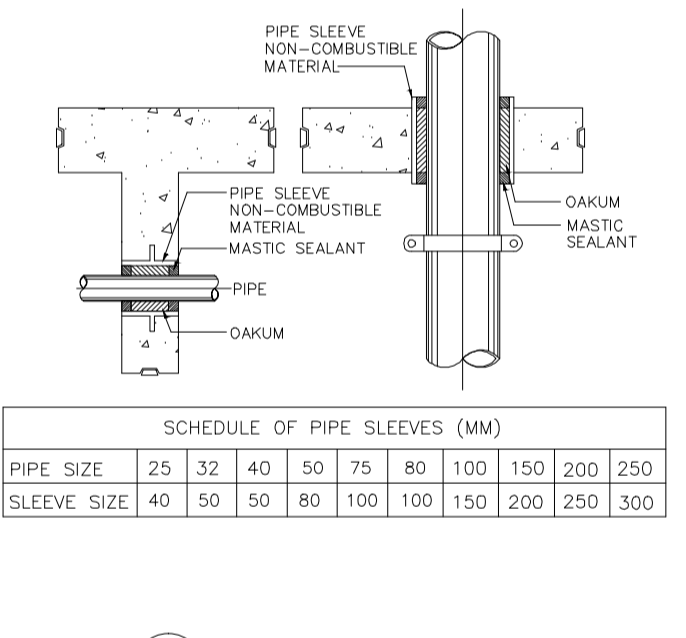
G FLOOR CLEANOUT DETAIL



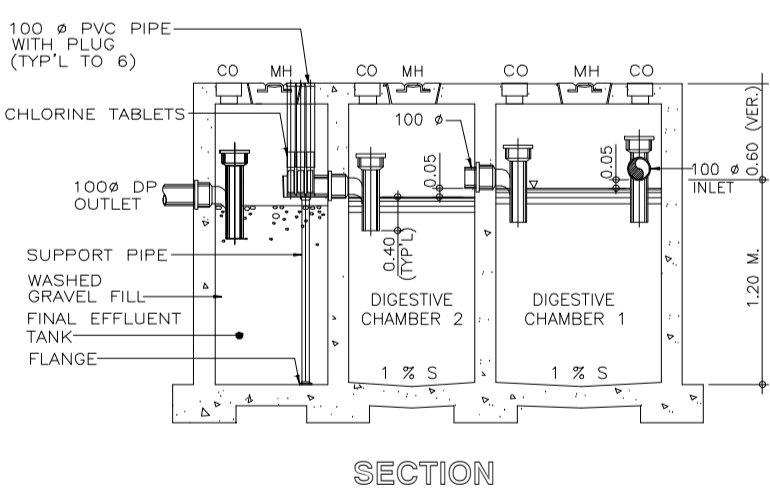
J GRADE CLEANOUT DETAIL



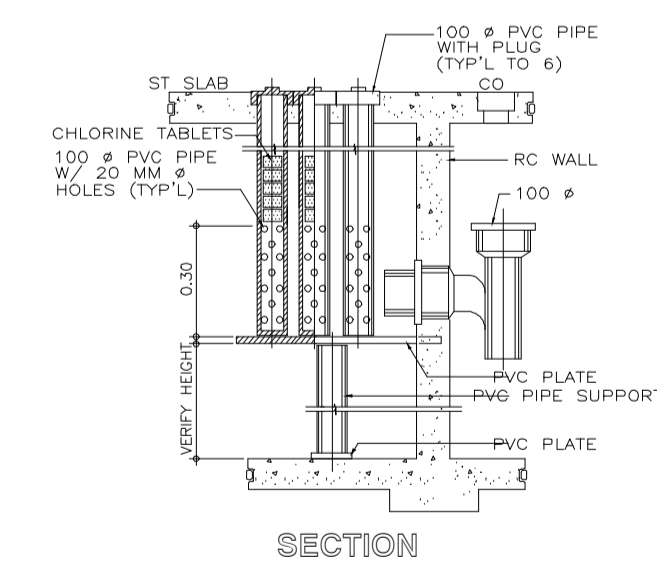
O EQUIPMENT DRAIN DETAIL



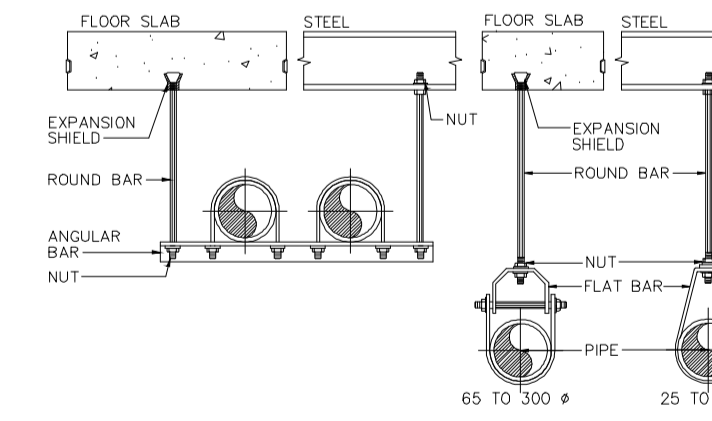
R PIPE SLEEVE DETAIL



B SEPTIC TANK DETAIL



C CHLORINATOR DETAIL



H PIPE HANGER DETAIL

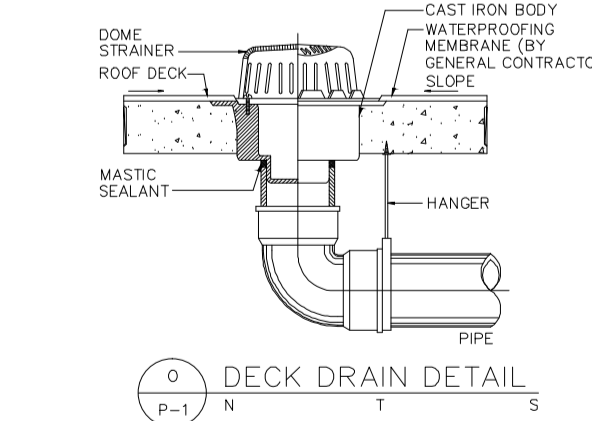
SCHEDULE

PIPE SIZES (TYPICAL)	FLAT BAR	ROUND BAR	ANGULAR BAR	EXPANSION SHIELD
25 TO 50	25 x 3	10	25 x 3	10
65 TO 100	40 x 3	12	40 x 3	12
125 TO 150	50 x 6	16	50 x 6	16
200 TO 300	65 x 6	20	65 x 6	20

SCHEDULE

PIPE SIZES	FLAT BAR	EXPANSION SHIELD WITH BOLT
50 TO 100	40 x 3	12
125 TO 150	50 x 6	16
200 & UP	65 x 6	20

I VERTICAL PIPE HANGER DETAIL



Q DECK DRAIN DETAIL

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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ELMER T. RAMONEDA
PROJECT MANAGER



SANITARY ENGINEER:
ERNESTO ANTONIO BATTAD JR.
DATE: MAY 05, 2020
DATE: JAN 30, 2019
PLACE: MAKATI CITY

SUBMITTED:
ELMER T. RAMONEDA
PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL:
(SEE COVER SHEET)
EDWIN C. MATANGUIHAN
OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED:
(SEE COVER SHEET)
EMIL K. SADAIN, CESO I
UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGION II CARIG SUR, TUGUEGARAO CITY

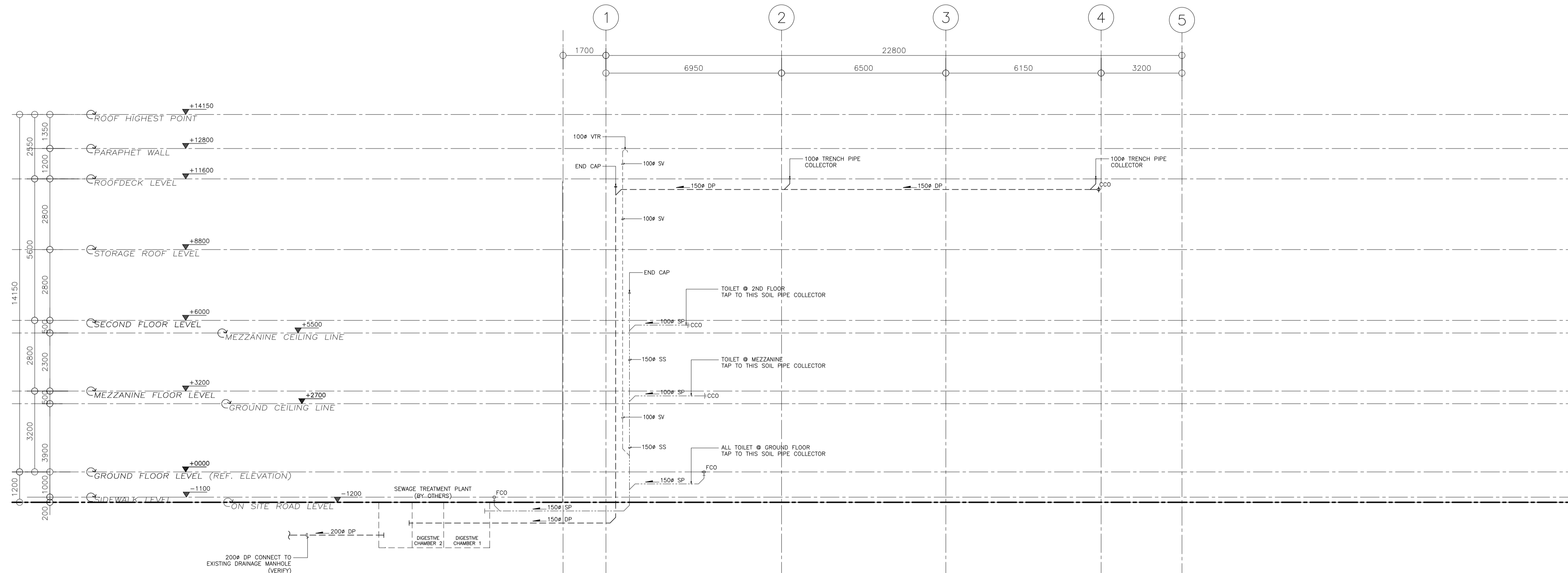
SHEET CONTENTS:
GENERAL NOTES
MISCELLANEOUS DETAILS, ISOMETRIC DETAILS

SET NO.
PL

SHEET NO.
1
11


LEGENDS & ABBREVIATION

CCO	CEILING CLEAN-OUT
DP	DRAIN PIPE
DS	DOWN SPOUT
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
LAV	LAVATORY
SD	SHOWER DRAIN
KS	KITCHEN SINK
GT	GREASE TRAP
SP	SEWER PIPE
VS	VENT STACK
WC	WATER CLOSET
SP	SOIL PIPE
DP	DRAIN PIPE
SS	SOIL STACK
DS	DOWN SPOUT
VTR	VENT THRU ROOF





SCHEMATIC DIAGRAM
1 | A **SEWAGE & DRAINAGE SYSTEM**
P-2 SCALE 1:100MTS

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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 ELMER T. RAMONEDA
 PROJECT MANAGER



SANITARY ENGINEER:  ERNESTO ANTONIO BATTAD JR	SUBMITTED:  ELMER T. RAMONEDA PROJECT MANAGER
PRC NO.: 000999 PTR NO.: 738993 TIN NO.: 136-637-451	DATE: MAY 05, 2020 DATE: JAN 30, 2019 PLACE: MAKATI CITY



REVIEWED AS TO DESIGN CONCEPT:  JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

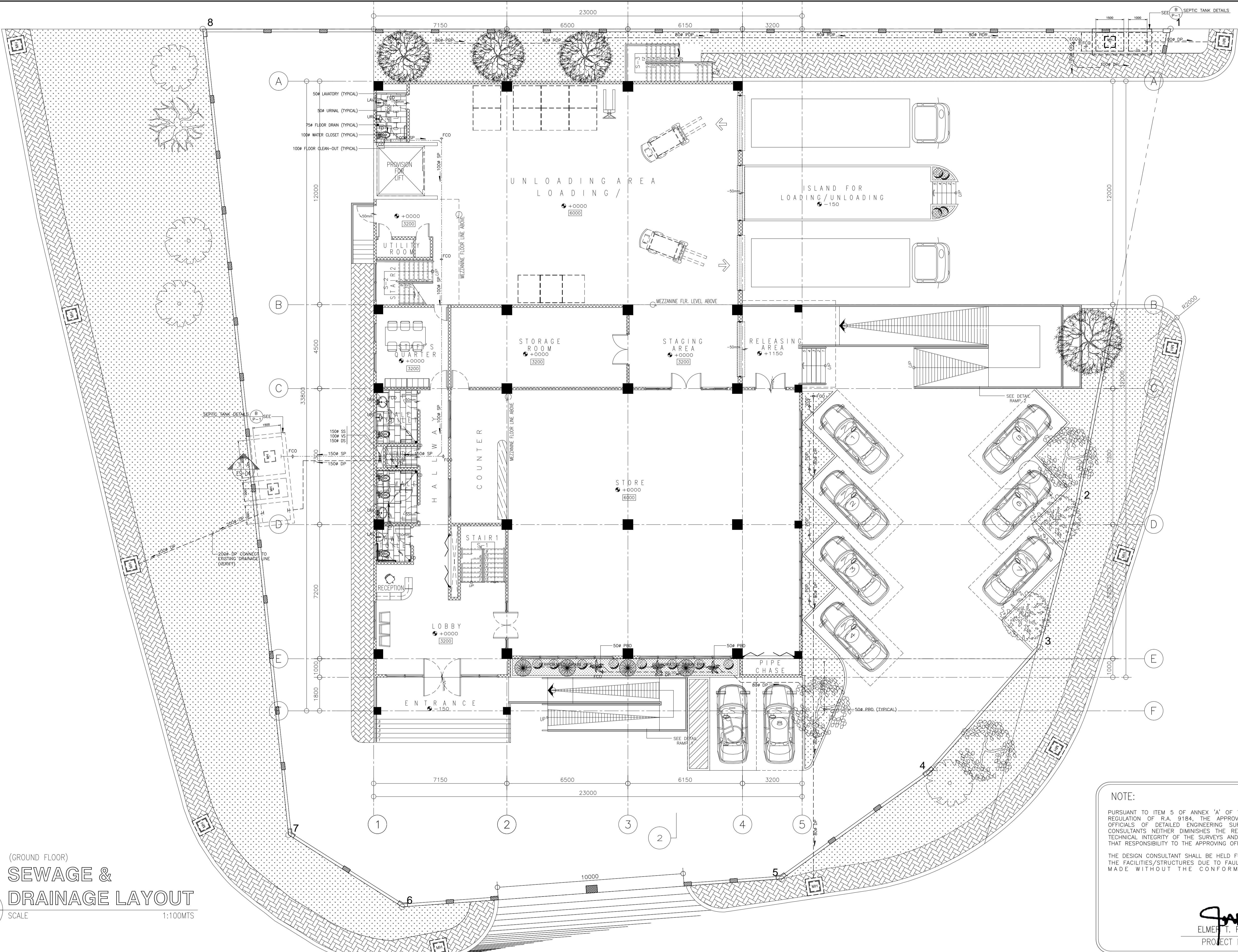
PROJECT & LOCATION:
 PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS: SEWAGE AND DRAINAGE SYSTEM SCHEMATIC DIAGRAM Scale 1:100m
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SET NO. PL	SHEET NO. 2 11
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LEGENDS & ABBREVIATION

CCO	CEILING CLEAN-OUT
DP	DRAIN PIPE
DS	DOWN SPOUT
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
LAV	LAVATORY
SD	SHOWER DRAIN
KS	KITCHEN SINK
GT	GREASE TRAP
SP	SEWER PIPE
VS	VENT STACK
WC	WATER CLOSET
SP	SOIL PIPE
DP	DRAIN PIPE
SS	SOIL STACK
DS	DOWN SPOUT
VTR	VENT THRU ROOF



(GROUND FLOOR)
SEWAGE & DRAINAGE LAYOUT
 1 | A
 P-2 SCALE 1:100MTS

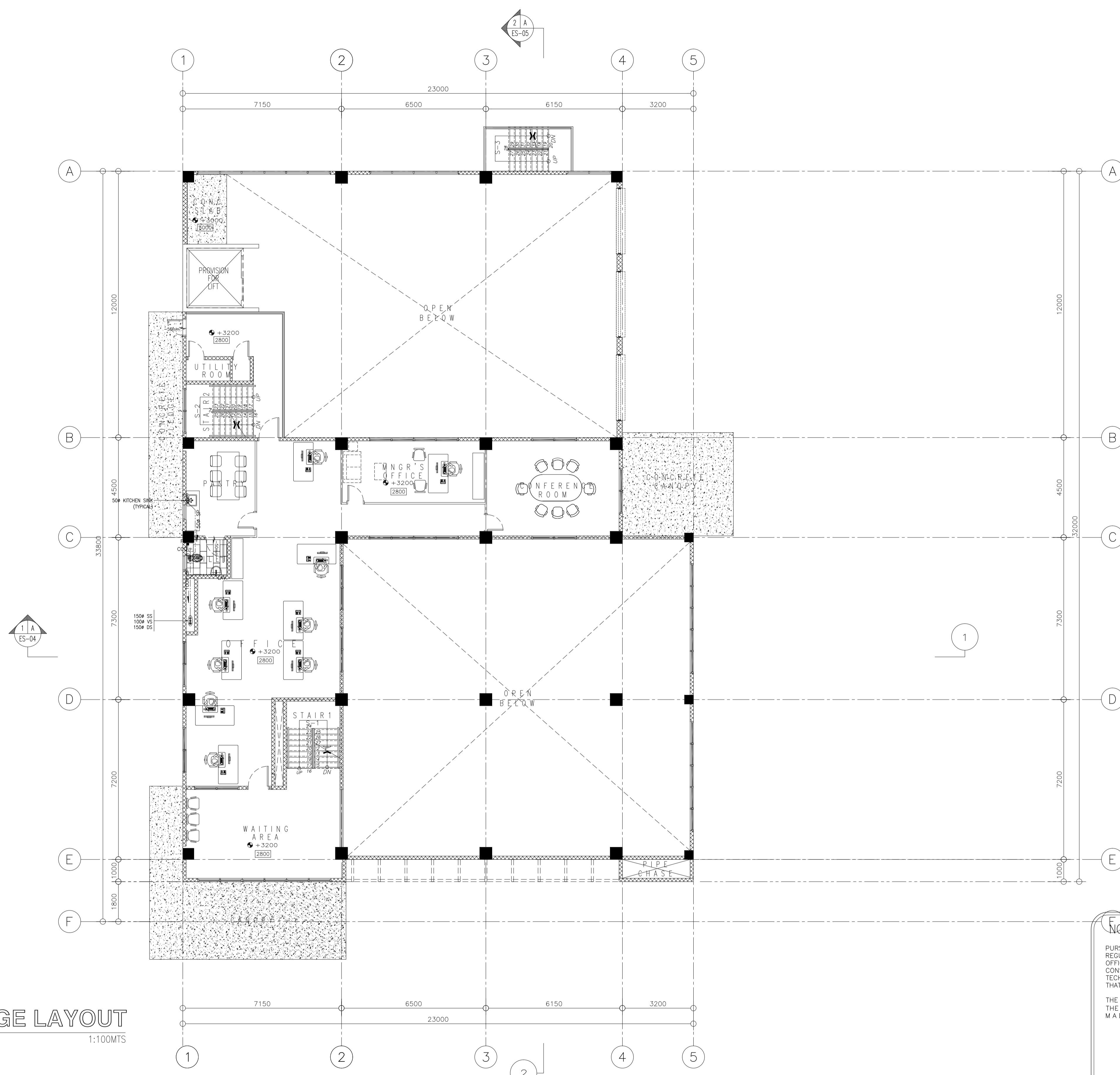
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ELMER T. RAMONEDA
 PROJECT MANAGER

 in joint venture with 	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR. <small>PRC NO. 000999 DATE: MAY 05, 2020 PTR NO. 7389983 DATE: JAN. 30, 2019 TIN NO. 138-037-451 PLACE: MAKATI CITY</small>	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR SEWAGE AND DRAINAGE LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 3 / 11
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LEGENDS & ABBREVIATION

CCO	CEILING CLEAN-OUT
DP	DRAIN PIPE
DS	DOWN SPOUT
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
LAV	LAVATORY
SD	SHOWER DRAIN
KS	KITCHEN SINK
GT	GREASE TRAP
SP	SEWER PIPE
VS	VENT STACK
WC	WATER CLOSET
SP	SOIL PIPE
DP	DRAIN PIPE
SS	SOIL STACK
DS	DOWN SPOUT
VTR	VENT THRU ROOF



(MEZZANINE)
SEWAGE & DRAINAGE LAYOUT
 SCALE 1:100MTS

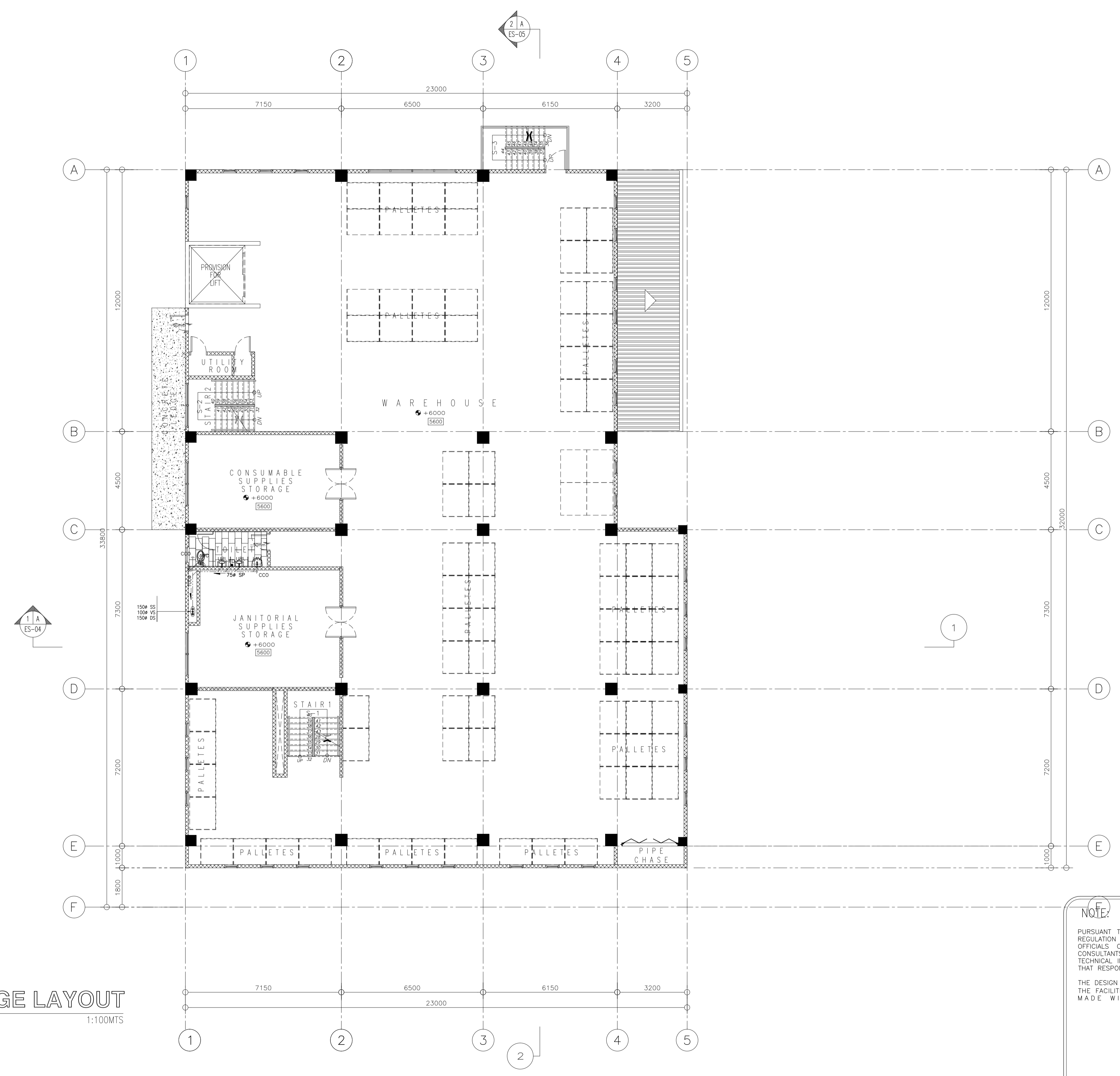
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Elmer T. Ramoneda
ELMER T. RAMONEDA
 PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS </p>	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR. PRC NO.: 0007989 DATE: MAY 05, 2020 PTR NO.: 7389963 DATE: JAN 30, 2019 TIN NO.: 136-637-451 PLACE: MAKATI CITY	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE SEWAGE AND DRAINAGE LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 4 11
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LEGENDS & ABBREVIATION

CCO	CEILING CLEAN-OUT
DP	DRAIN PIPE
DS	DOWN SPOUT
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
LAV	LAVATORY
SD	SHOWER DRAIN
KS	KITCHEN SINK
GT	GREASE TRAP
SP	SEWER PIPE
VS	VENT STACK
WC	WATER CLOSET
SP	SOIL PIPE
DP	DRAIN PIPE
SS	SOIL STACK
DS	DOWN SPOUT
VTR	VENT THRU ROOF



(SECOND FLOOR)
SEWAGE & DRAINAGE LAYOUT
 SCALE 1:100MTS

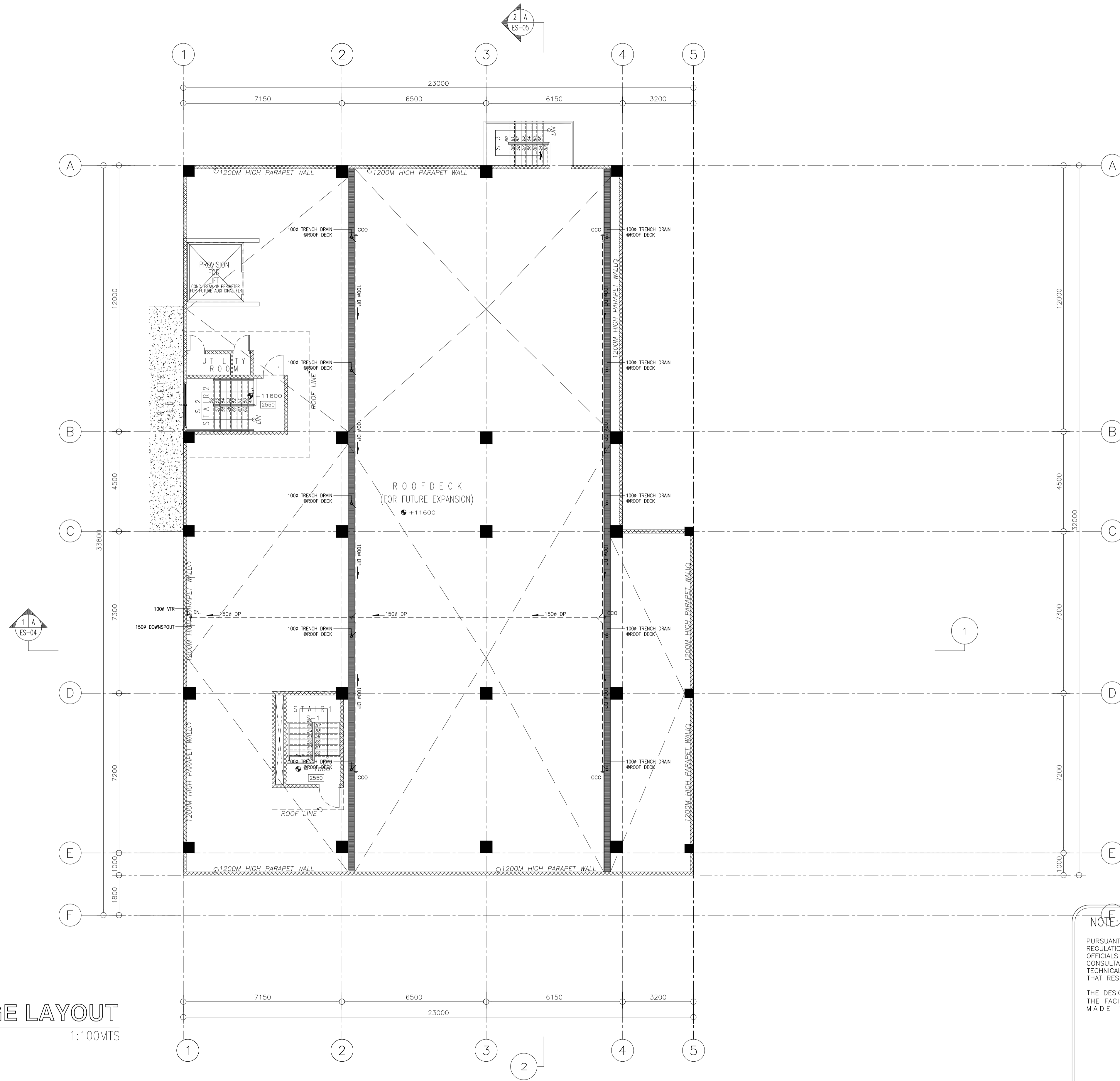
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Elmer T. Ramoneda
 ELMER T. RAMONEDA
 PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS </p>	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR. PRC NO.: 000999 DATE: MAY 05, 2020 PTR NO.: 7389983 DATE: JAN. 30, 2019 TIN NO.: 136-037-451 PLACE: MAKATI CITY	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR SEWAGE AND DRAINAGE LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 5 11
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LEGENDS & ABBREVIATION

CCO	CEILING CLEAN-OUT
DP	DRAIN PIPE
DS	DOWN SPOUT
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
LAV	LAVATORY
SD	SHOWER DRAIN
KS	KITCHEN SINK
GT	GREASE TRAP
SP	SEWER PIPE
VS	VENT STACK
WC	WATER CLOSET
SP	SOIL PIPE
DP	DRAIN PIPE
SS	SOIL STACK
DS	DOWN SPOUT
VTR	VENT THRU ROOF



(ROOF DECK)
SEWAGE & DRAINAGE LAYOUT
 SCALE 1:100MTS
 4 | A
 P-2

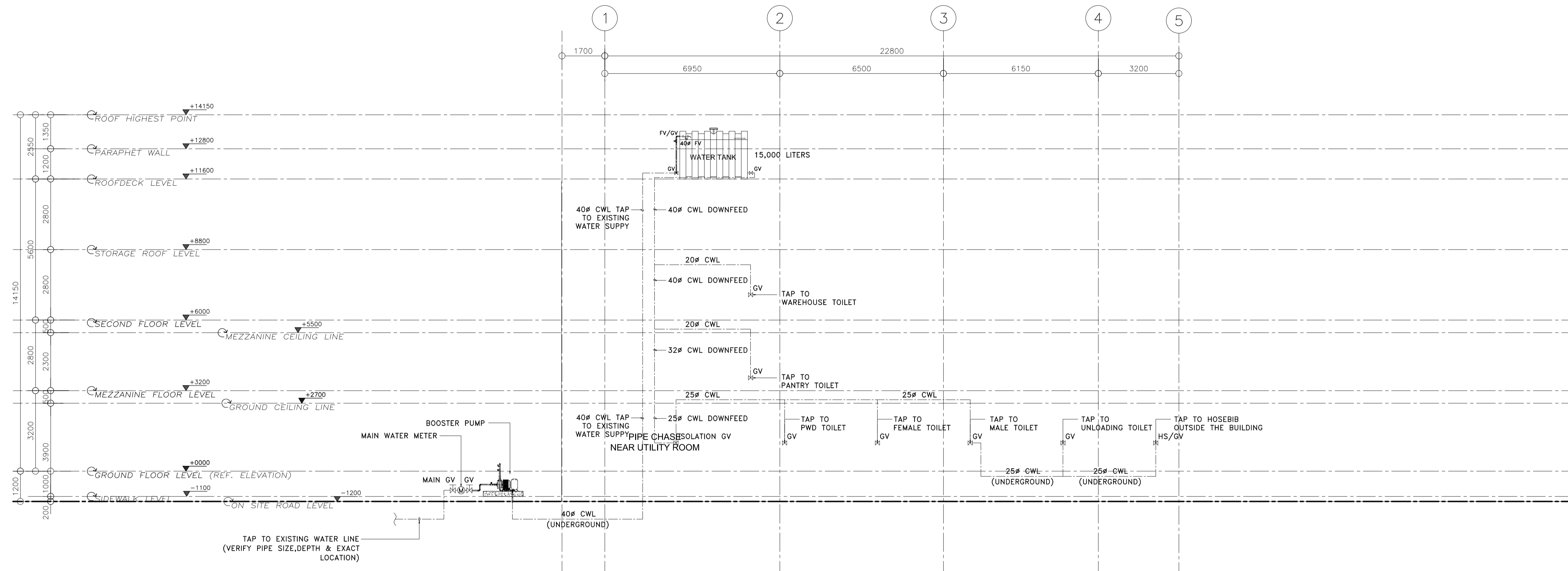
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ELMER T. RAMONEDA
 PROJECT MANAGER

<p>in joint venture with J.F. CANCIO & Associates ENGINEERS PTC Engineers & Associates</p>	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR <small>PRC NO.: 0005969 DATE: MAY 05, 2020 PTR NO.: 7389963 DATE: JAN. 30, 2019 TIN NO.: 136-037-451 PLACE: MAKATI CITY</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: ROOF DECK SEWAGE AND DRAINAGE LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 6 11
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LEGENDS & ABBREVIATION

CWL	COLD WATER LINE
CWR	COLD WATER RISER
Ø	DIAMETER
GV	GATE VALVE
HB	HOSE BIB
WF	WASH FOUNTAIN
WH	WATER HEATER
SM	SUB-METER



SCHEMATIC DIAGRAM
WATER SYSTEM
 SCALE 1:100MTS

NOTE:

PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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Elmer T. Ramoneda
 ELMER T. RAMONEDA
 PROJECT MANAGER



SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER
PRC NO.: 0009969 PTR NO.: 7389963 TIN NO.: 136-637-451	DATE: MAY 05, 2020 DATE: JAN 30, 2019 PLACE: MAKATI CITY



REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN
--

RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN

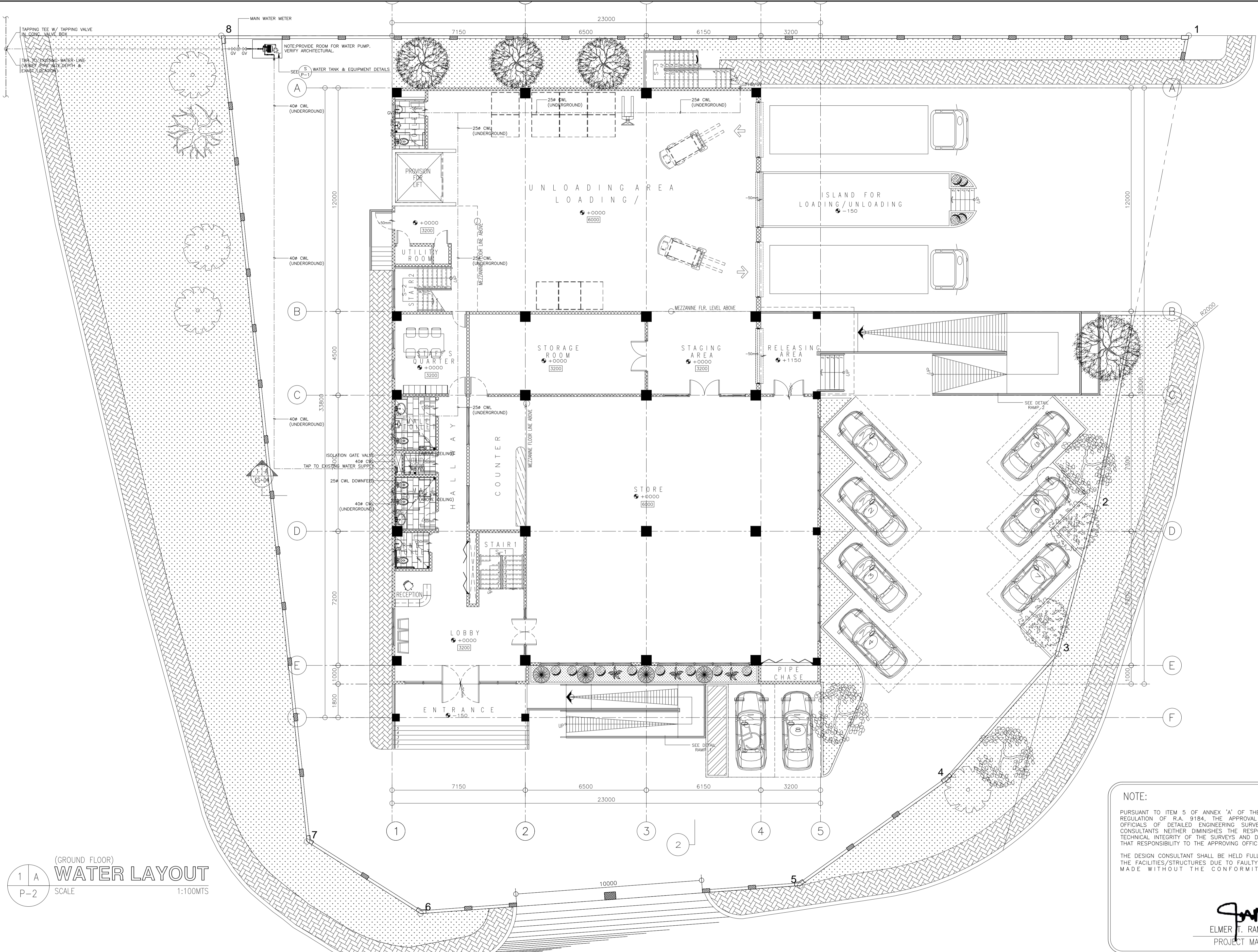
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PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY
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SHEET CONTENTS: WATER SYSTEM SCHEMATIC DIAGRAM Scale 1:100m	SET NO. PL	SHEET NO. 7 11
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LEGENDS & ABBREVIATION

CWL	COLD WATER LINE								
CWR	COLD WATER RISER								
GV	GATE VALVE	HB	HOSE BIB	WF	WASH FOUNTAIN	WH	WATER HEATER	SM	SUB-METER
HB	HOSE BIB	WF	WASH FOUNTAIN	WH	WATER HEATER	SM	SUB-METER		
WF	WASH FOUNTAIN	WH	WATER HEATER	SM	SUB-METER				
WH	WATER HEATER	SM	SUB-METER						
SM	SUB-METER								



(GROUND FLOOR)
WATER LAYOUT
 SCALE 1:100MTS
 1 | A
 P-2

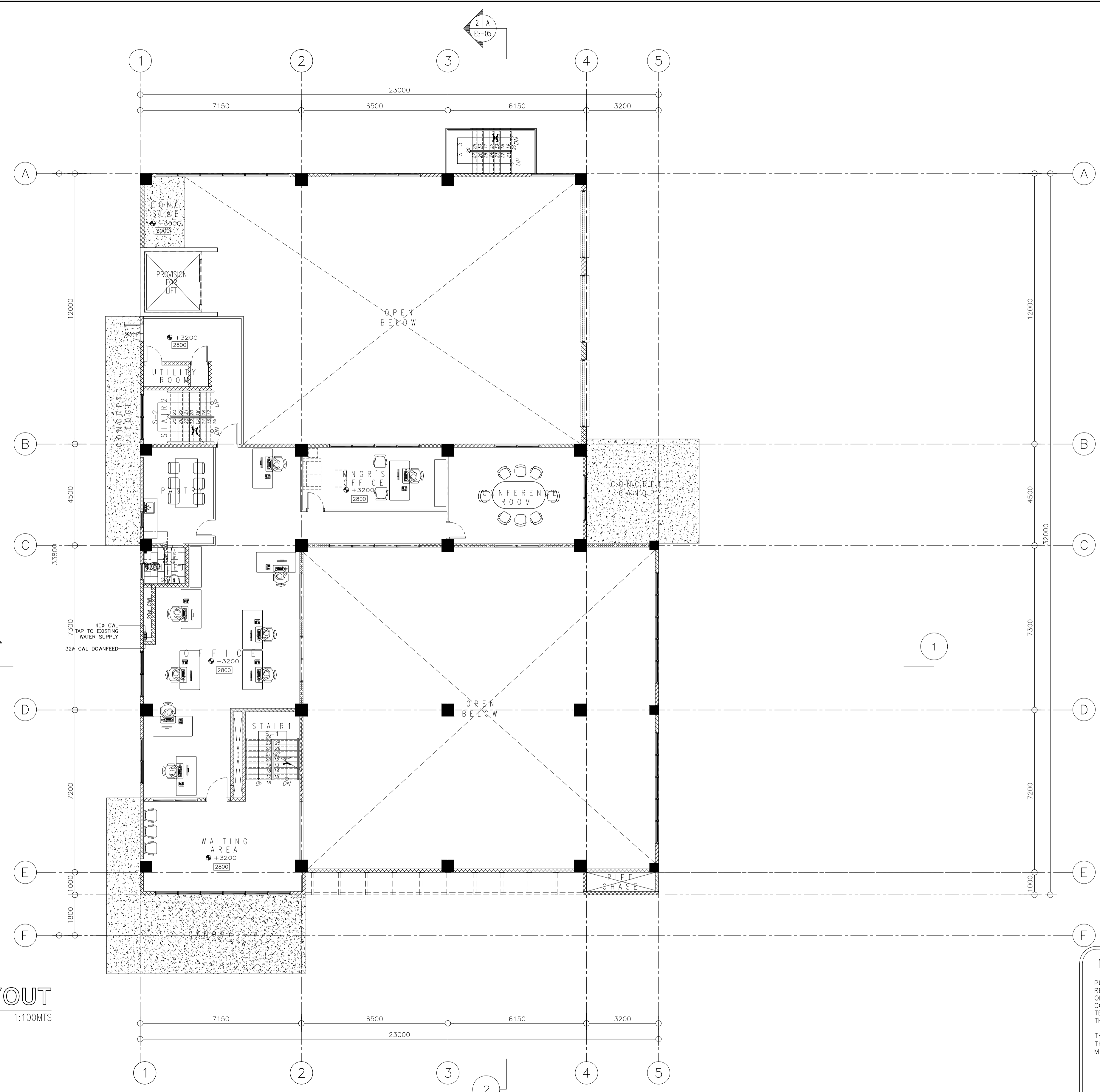
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[Signature]
ELMER T. RAMONEDA
 PROJECT MANAGER

<p>in joint venture with </p>	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR PRC NO.: 0000969 DATE: MAY 05, 2020 PTR NO.: 7389983 DATE: JAN. 30, 2019 TIN NO.: 136-637-451 PLACE: MAKATI CITY	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: GROUND FLOOR WATER LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 8 / 11
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LEGENDS & ABBREVIATION

- CWL COLD WATER LINE
- CWR COLD WATER RISER
- Ø DIAMETER
- GV GATE VALVE
- HB HOSE BIB
- WF WASH FOUNTAIN
- WH WATER HEATER
- SM SUB-METER



(MEZZANINE)
WATER LAYOUT
 SCALE 1:100MTS

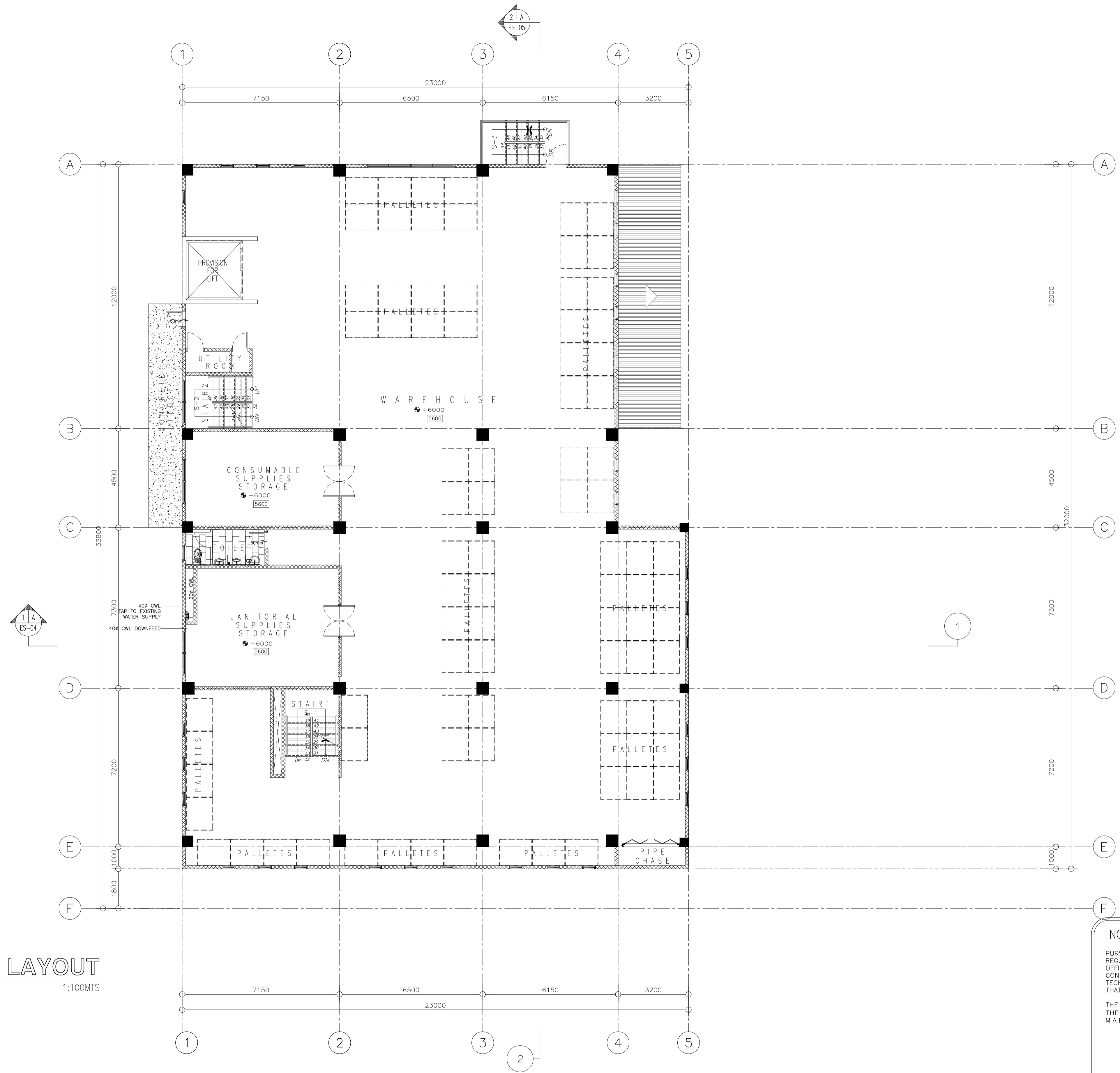
NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
 THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

(Signature)
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 in joint venture with PTC Engineers & Associates	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR DATE: MAY 05, 2020 PLACE: MAKATI CITY	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: MEZZANINE WATER LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 9 11
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LEGENDS & ABBREVIATION

CWL	COLD WATER LINE
CWR	COLD WATER RISER
Ø	DIAMETER
GV	GATE VALVE
HB	HOSE BIB
WF	WASH FOUNTAIN
WH	WATER HEATER
SM	SUB-METER



(SECOND FLOOR)
WATER LAYOUT
 SCALE 1:100MTS

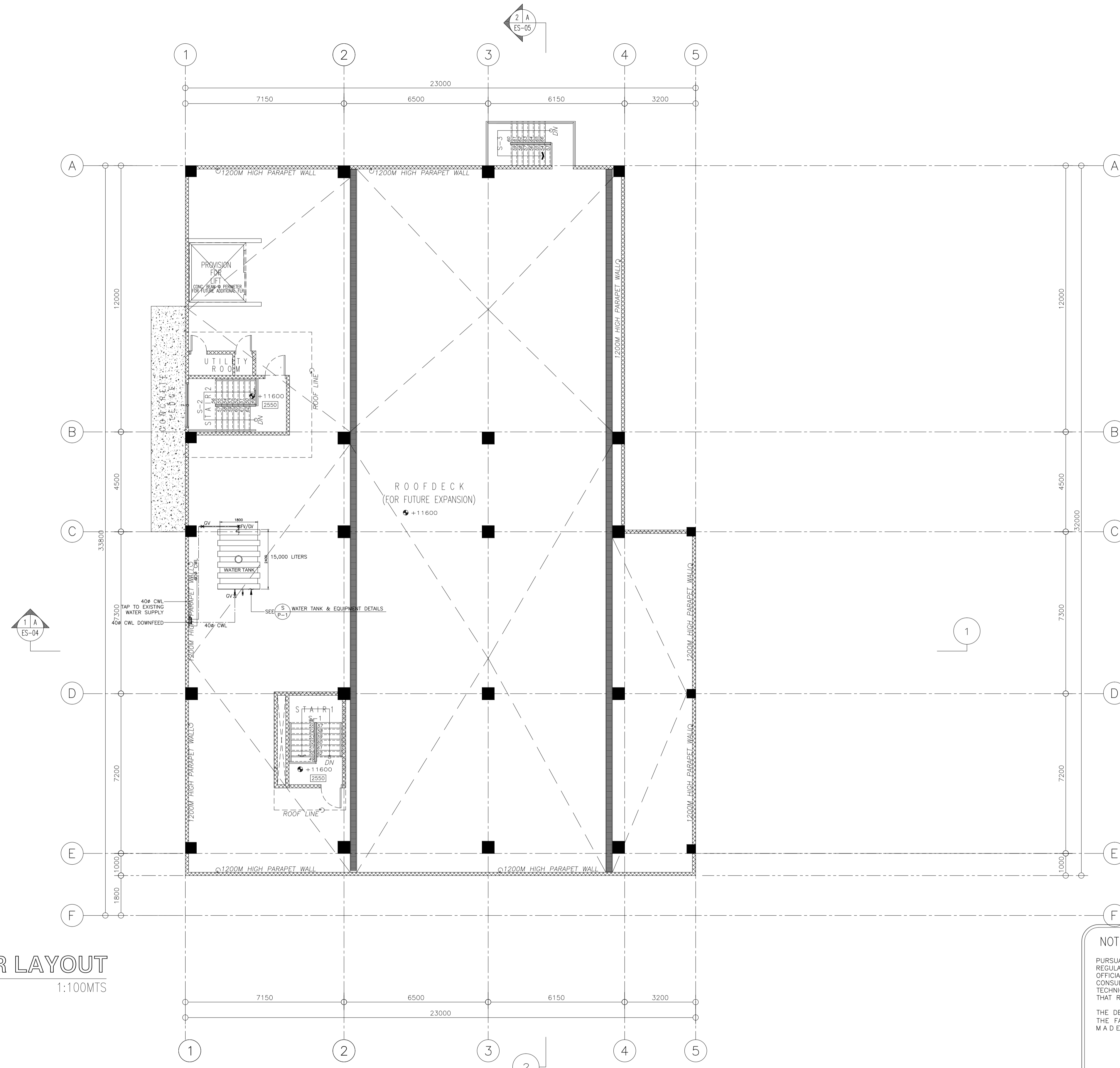
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<p>in joint venture with J.F. CANCIO & Associates ENGINEERS </p>	SANITARY ENGINEER: ERNESTO ANTONIO BATTAD JR PRC NO.: 0000969 DATE: MAY 05, 2020 PTR NO.: 7389983 DATE: JAN. 30, 2019 TIN NO.: 136-637-451 PLACE: MAKATI CITY	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SECOND FLOOR WATER LAYOUT Scale 1:100m	SET NO. PL	SHEET NO. 10 11
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LEGENDS & ABBREVIATION







CWL	COLD WATER LINE
CWR	COLD WATER RISER
Ø	DIAMETER
GV	GATE VALVE
HB	HOSE BIB
WF	WASH FOUNTAIN
WH	WATER HEATER
SM	SUB-METER



(ROOF DECK)
WATER LAYOUT
 SCALE 1:100MTS
 4 | A
 P-2

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GENERAL NOTES:

1. WIRING SHALL BE IN CONCEALED CONDUIT/TRUNKING UNLESS OTHERWISE SPECIFIED.
2. THE POSITION OF ALL TELCO OUTLETS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE EXACT POSITIONS SHALL BE DETERMINED ON SITE.
3. THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR THE LABELING OF ALL EQUIPMENT THROUGHOUT THE INSTALLATION.
4. THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE TO LIAISE WITH THE LOCAL GOVERNMENT FOR ALL CLEARANCES, CABLE JOINTING, AND TESTING FOR THE INSTALLATION.
5. THE OVERALL RESISTANCE FOR THE EARTHING SYSTEM (ELECTRICAL) SHALL COMPLY WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL AND ELECTRONICS CODE.
6. THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING OF ALL CABLE/CONDUIT PENETRATION OPENINGS BETWEEN FLOOR SLAB AND WALLS ETC. WITH APPROVED FIRE RATING MATERIAL/SEALANT.
7. ALL CABLES TO BE LAID IN HD uPVC PIPES SHALL BE ENCASED IN CONCRETE WHEN LAID ACROSS THE DRIVEWAY.
8. THE SPECIALTY CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPOTENTIAL GROUNDING/ALL METAL PARTS COMPLETED BY THE OTHER SUB-CONTRACTORS TO THE NEAREST BONDING TO ELECTRICAL PANEL.
9. THE SPECIALTY CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR, MATERIALS AND EQUIPMENT FOR SATISFACTORY COMPLETION OF THE ENTIRE TELECOMMUNICATION AS GENERALLY DESCRIBED IN THE SPECIFICATION AND/OR SHOWN IN DRAWINGS.
10. ALL LOCATION OF EQUIPMENT AND CABLE ROUTES SHOWN ON THE DRAWING ARE INDICATIVE ONLY. THE EXACT LOCATIONS MUST BE COORDINATED ON SITE BEFORE INSTALLATION. FULLY COORDINATED SHOP DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR THE APPROVAL BEFORE COMMENCEMENT OF WORK.
11. ALL INSTALLATIONS SHALL BE ACCORDANCE WITH THE LATEST EDITION OF PHILIPPINE ELECTRICAL/ELECTRONICSEIA AND BICSI CODE, THEY SHALL BE PAINTED WITH A COAT OF ANTI-RUST PAINT AND TWO COATS OF SEMI-GLOOSTEAK PAINT OF BEST QUALITY TO THE APPROVAL OF THE CONSULTANT.
12. ALL DISTRIBUTION FRAME CONDUITS WHICH ARE EXPOSED SHALL BE PAINTED WITH A COAT OF RUST-RESISTING PRIMER AND TWO COATS OF ELECTRONIC ORANGE OR AS SPECIFIED BY THE ARCHITECT.
13. EACH CIRCUIT SHALL BE TESTED FOR GROUNDING AND SHORTS BY MEANS OF INSULATION RESISTANCE TESTING INSTRUMENT APPLYING A VOLTAGE OF NOT LESS THAN 500V D.C ON CIRCUIT UNDER TEST.
14. CABLES FOR ESSENTIAL CIRCUITS SUCH AS EMERGENCY LIGHTING CIRCUITS & FIRE FIGHTING EQUIPMENT CIRCUITS ETC. SHALL NOT BE DRAWN TO THE SAME CONDUIT INTENDED FOR NORMAL CIRCUITS AS PER PEC.
15. ALL TELECOMMUNICATION OUTLET, TELCO EQUIPMENT, ETC. LOCATION SHOWN ARE INDICATIVE AND APPROXIMATE ONLY AND THE ELECTRICAL COORDINATE MUST COORDINATE WITH THE ARCHITECT AND THE INTERIOR DESIGNER, AS WELL AS EQUIPMENT SUPPLIERS.
16. THE SPECIALTY CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEERS FOR PENETRATION THROUGH RC BEAMS AND FLOOR SLABS PRIOR TO CONSTRUCTION.
17. ALL CONDUIT LAYOUT AND INSTALLATION METHOD SHALL BE IDENTICAL IN ALL ROOMS AS MUCH AS POSSIBLE.
18. TESTING CERTIFICATES SHALL BE PROVIDED BY THE SPECIALTY CONTRACTOR PRIOR TO FINAL TURNOVER.
19. ALL MATERIALS/CABLES TO BE USED AND INSTALLATION METHOD SHALL COMPLY WITH THE TECHNICAL SPECIFICATION, STANDARDS, CODE OF PRACTICE AND AUTHORITY REQUIREMENT.
20. THE SPECIALTY CONTRACTOR IS REQUIRED TO SUBMIT DETAILS OF FINAL ARRANGEMENT AND DIMENSIONAL LAYOUT OF ALL EQUIPMENT IN RESPECTIVE ROOMS TO SUIT SITE CONDITIONS, ETC. FOR REVIEW BY THE CONSULTANT BEFORE COMMENCEMENT INSTALLATION.
21. TELECOMMUNICATION OUTLET SHALL BE CATEGORY 6 OR OTHERWISE STATED.
22. ALL ELECTRICAL/ELECTRONIC EQUIPMENT AND ACCESSORIES THAT ARE EXPOSED OR LESS THAN 2.0m AWAY FROM WATER SOURCES SHALL BE WEATHERPROOF TYPE.
23. COLOR FOR ALL TELECOMMUNICATION FACE PLATES SHALL BE AS PER ARCHITECTS/INTERIOR DESIGNERS SELECTION.
24. THE SPECIALTY CONTRACTOR SHALL NOTE THE POSITION OF TELECOM POINTS,AS SHOW ON DRAWINGS. THE ACTUAL POSITIONS SHALL BE BASED ON THE ARCHITECT'S OR INTERIOR DESIGNER'S DRAWING. THE ELECTRICAL CONTRACTOR SHALL DEEMED TO HAVE ALLOWED IN HIS TENDER PRICE FOR ALL NECESSARY SITE ADJUSTMENT TO SUIT THE FINAL POSITIONS.
25. THE SPECIALTY CONTRACTOR SHALL LIAISE WITH OTHER CONTRACTOR TO ENSURE THAT POWER SUPPLIES FOR ALL EQUIPMENT ARE ADEQUATELY PROVIDED TO SUIT THE SYSTEM REQUIREMENTS.
26. SPECIALTY CONTRACTOR SHALL LIAISE WITH INTERIOR DESIGNER/ARCHITECT ON THE EXACT LOCATION AND MOUNTING HEIGHTS (IF APPLICABLE) OF OUTLETS, MAIN DISTRIBUTION FRAME, INTERMEDIATE DISTRIBUTION FRAME BEFORE LAYING THE CONDUITS.
27. REFER TO THE SPECIFICATION FOR FULL DETAILS OF EQUIPMENT AND SPECIFICATIONS.
28. THE ELECTRONICS WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULLY LICENSED ELECTRONICS ENGINEER AUTHORIZED AS PER R.A 9292.

DRAWING LIST	
ECE-01	GENERAL NOTES, DRAWING LIST, SITE MAP, & LEGENDS, STRUCTURED CABLING SYSTEM CCTV SINGLE LINE DIAGRAM
ECE-02	CCTV & ACS SINGLE LINE DIAGRAM, FDAS & PA SINGLE LINE DIAGRAM
ECE-03	VOICE / DATA, ACCESS CONTROL & CCTV LAYOUT - GROUND FLOOR
ECE-04	VOICE / DATA, ACCESS CONTROL & CCTV LAYOUT - MEZZANINE
ECE-05	VOICE / DATA, ACCESS CONTROL & CCTV LAYOUT - SECOND FLOOR & ROOF DECK
ECE-06	SCS, ACS & CCTV TRUNKING & PIPING LAYOUT GROUND FLOOR & MEZZANINE
ECE-07	SCS, ACS & CCTV TRUNKING & PIPING LAYOUT SECOND FLOOR & ROOF DECK
ECE-08	PUBLIC ADDRESS AND FDAS LAYOUT GROUND FLOOR & MEZZANINE
ECE-09	PUBLIC ADDRESS AND FDAS LAYOUT SECOND FLOOR, PUBLIC ADDRESS PIPING LAYOUT GROUND FLOOR
ECE-10	PUBLIC ADDRESS PIPING LAYOUT MEZZANINE & SECOND FLOOR
ECE-11	FDAS SYSTEM PIPING LAYOUT GROUND FLOOR & MEZZANINE
ECE-12	FDAS SYSTEM PIPING LAYOUT SECOND FLOOR, CABLE TRAY, PIPING, CCTV, ACS, FDAS MOUNTING DETAILS



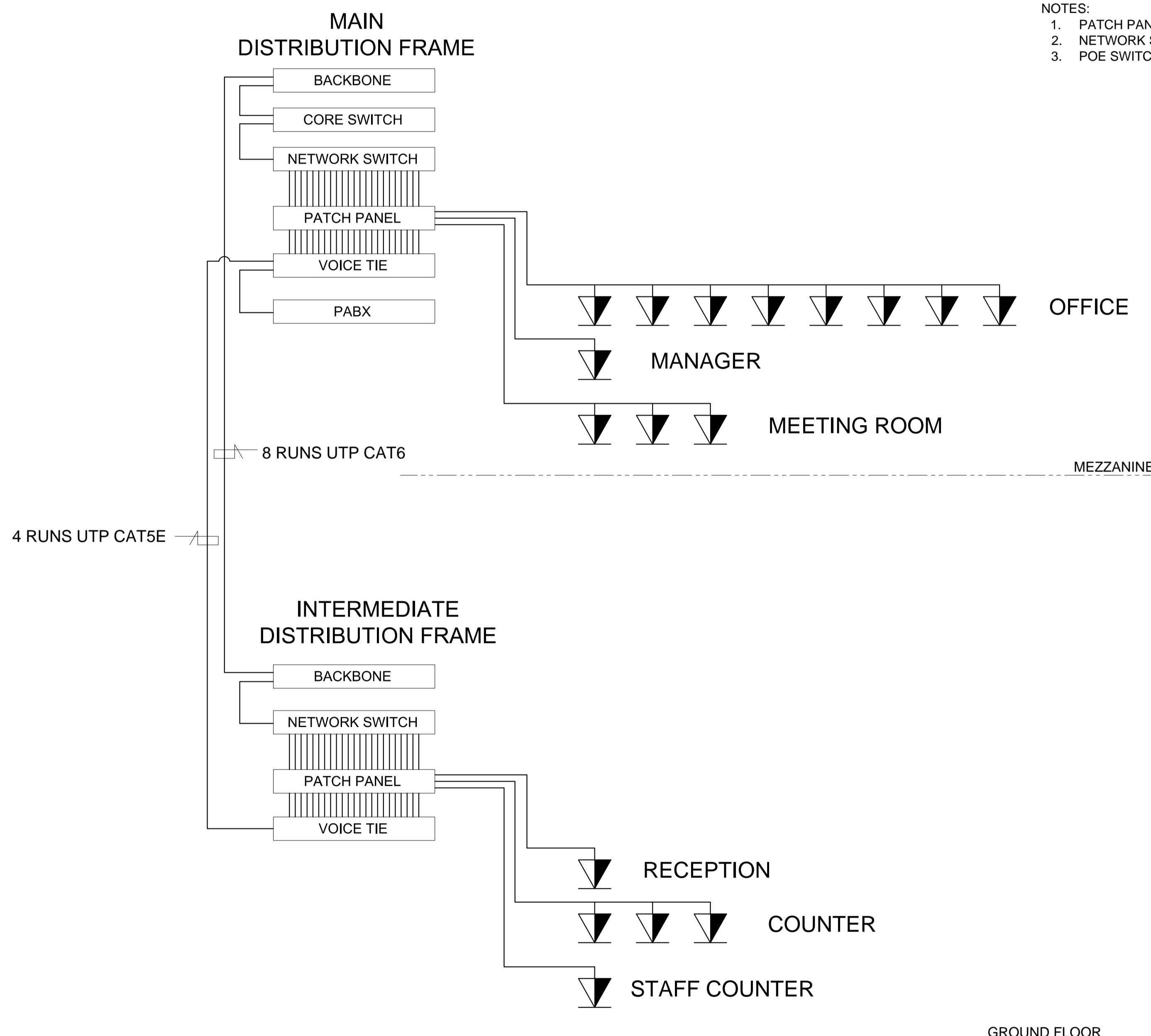
2 1 VICINITY MAP
ECE SCALE NTS

- NOTES:**
1. PATCH PANEL - 24 PORT CAT6
 2. NETWORK SWITCH - 24 PORT
 3. POE SWITCH - 24 PORT

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

NUMBER OF 4-pair UTP (t)	EMT CONDUIT (INSIDE DIAMETER)
1	15mm
2t-3t	20mm
4t-5t	25mm
6t-8t	32mm
9t-14t	40mm



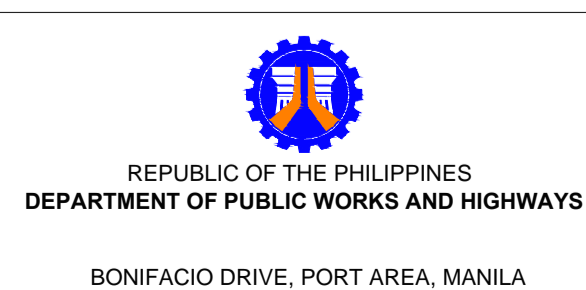
1 1 STRUCTURED CABLING SYSTEM
ECE SCALE CCTV SINGLE LINE DIAGRAM NTS

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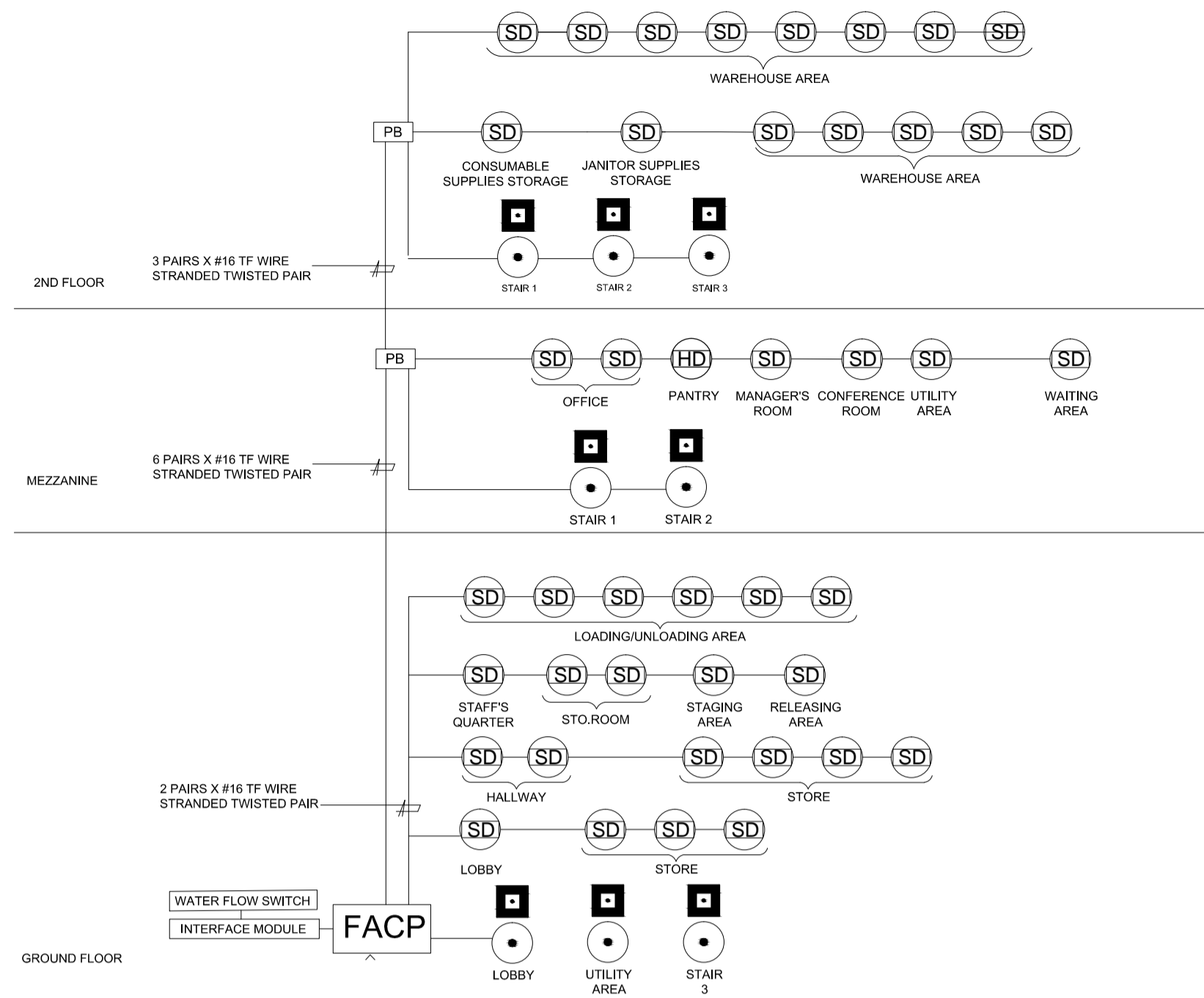


PECE:	SUBMITTED:
EDWIN F. DE GUZMAN	ELMER T. RAMONEDA
DATE: 15 SEP 19	PROJECT MANAGER
PTN NO. 732688	DATE: 03 JAN 19
PLACE ISSUED/MANIT/CITY	TEL: 915-960-389

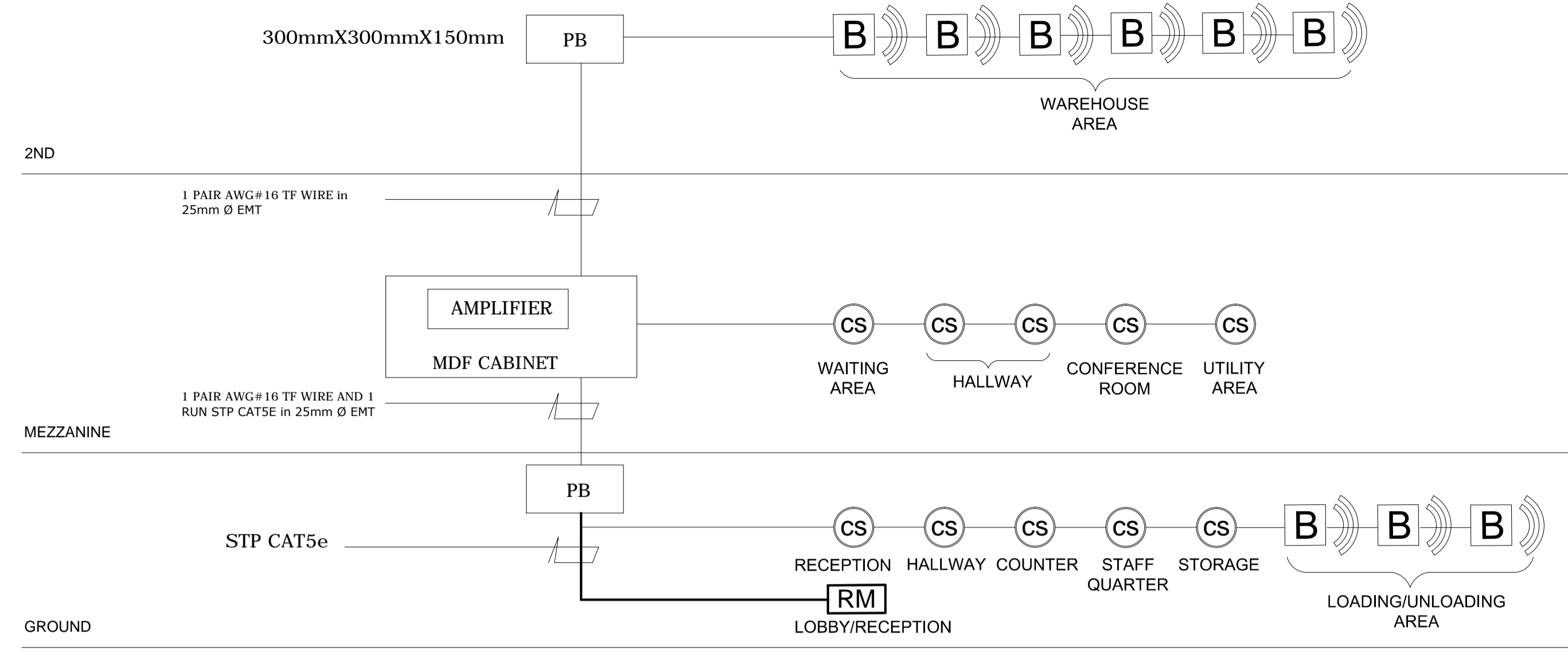


REVIEWED AS TO DESIGN CONCEPT:	RECOMMENDING APPROVAL:	APPROVED:
	(SEE COVER SHEET) EDWIN C. MATANGUIHAN	(SEE COVER SHEET) EMIL K. SADAIN, CESO I
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN	OIC, ASST. DIRECTOR, BUREAU OF DESIGN	UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

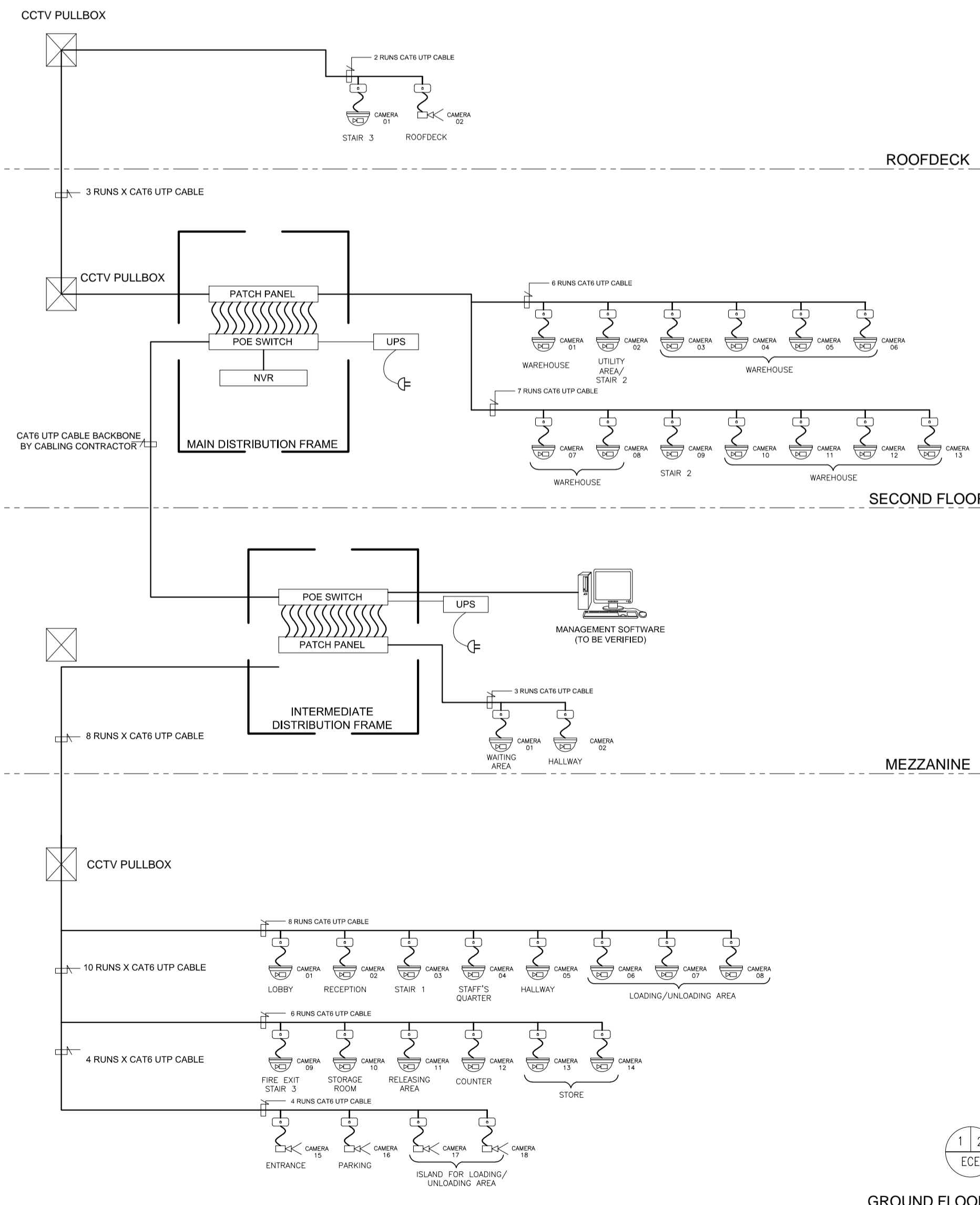
PROJECT & LOCATION:	SHEET CONTENTS:	SET NO.	SHEET NO.
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3 2 ECE SCALE NTS
FDAS SINGLE LINE DIAGRAM

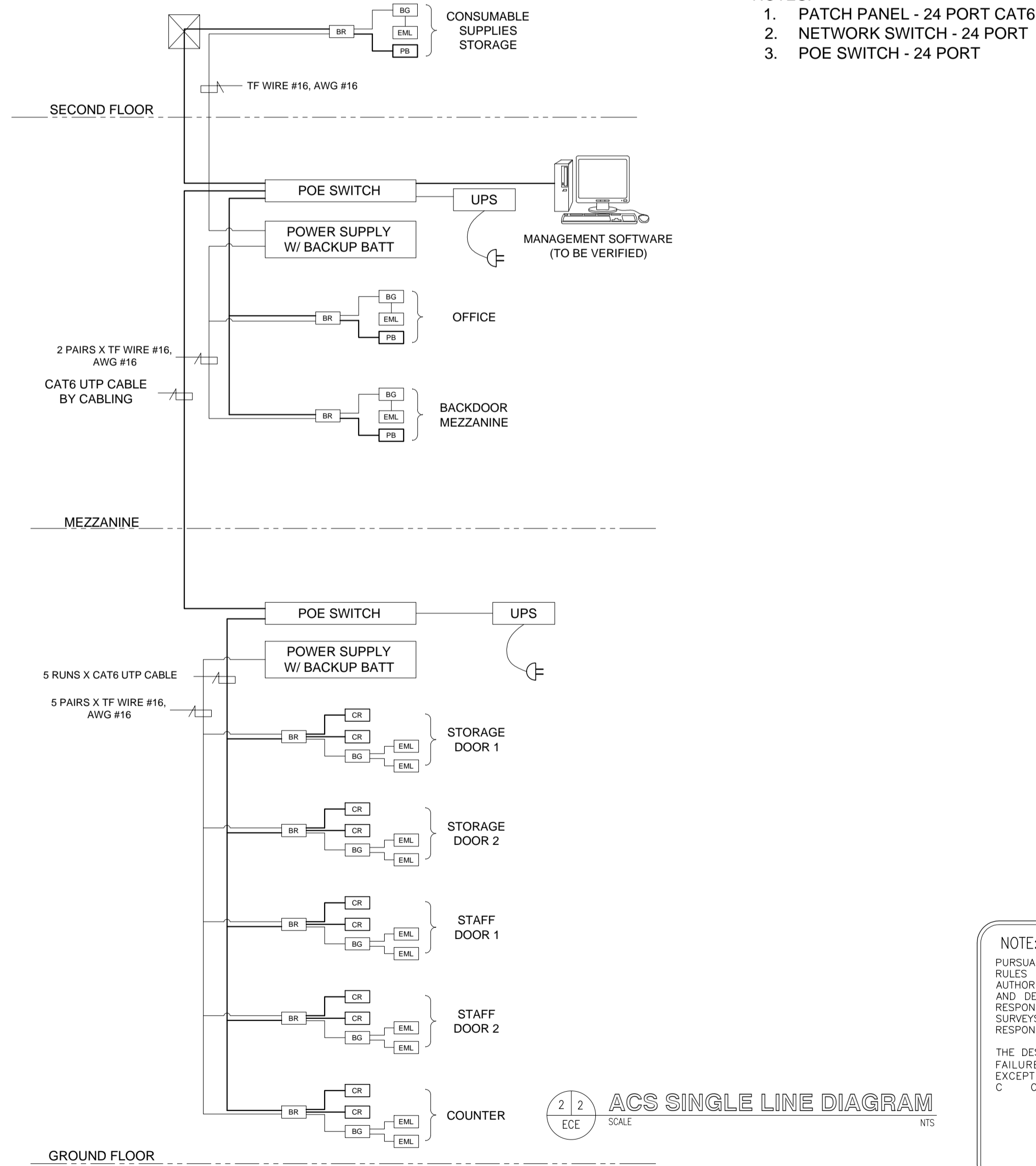


4 2 ECE SCALE NTS
PUBLIC ADDRESS SINGLE LINE DIAGRAM



NUMBER OF 4-pair UTP (t)	EMT CONDUIT (INSIDE DIAMETER)
t	15mm
2t-3t	20mm
4t-5t	25mm
6t-8t	32mm
9t-14t	40mm

1 2 ECE SCALE NTS
CCTV SINGLE LINE DIAGRAM



- NOTES:
- PATCH PANEL - 24 PORT CAT6
 - NETWORK SWITCH - 24 PORT
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2 2 ECE SCALE NTS
ACS SINGLE LINE DIAGRAM

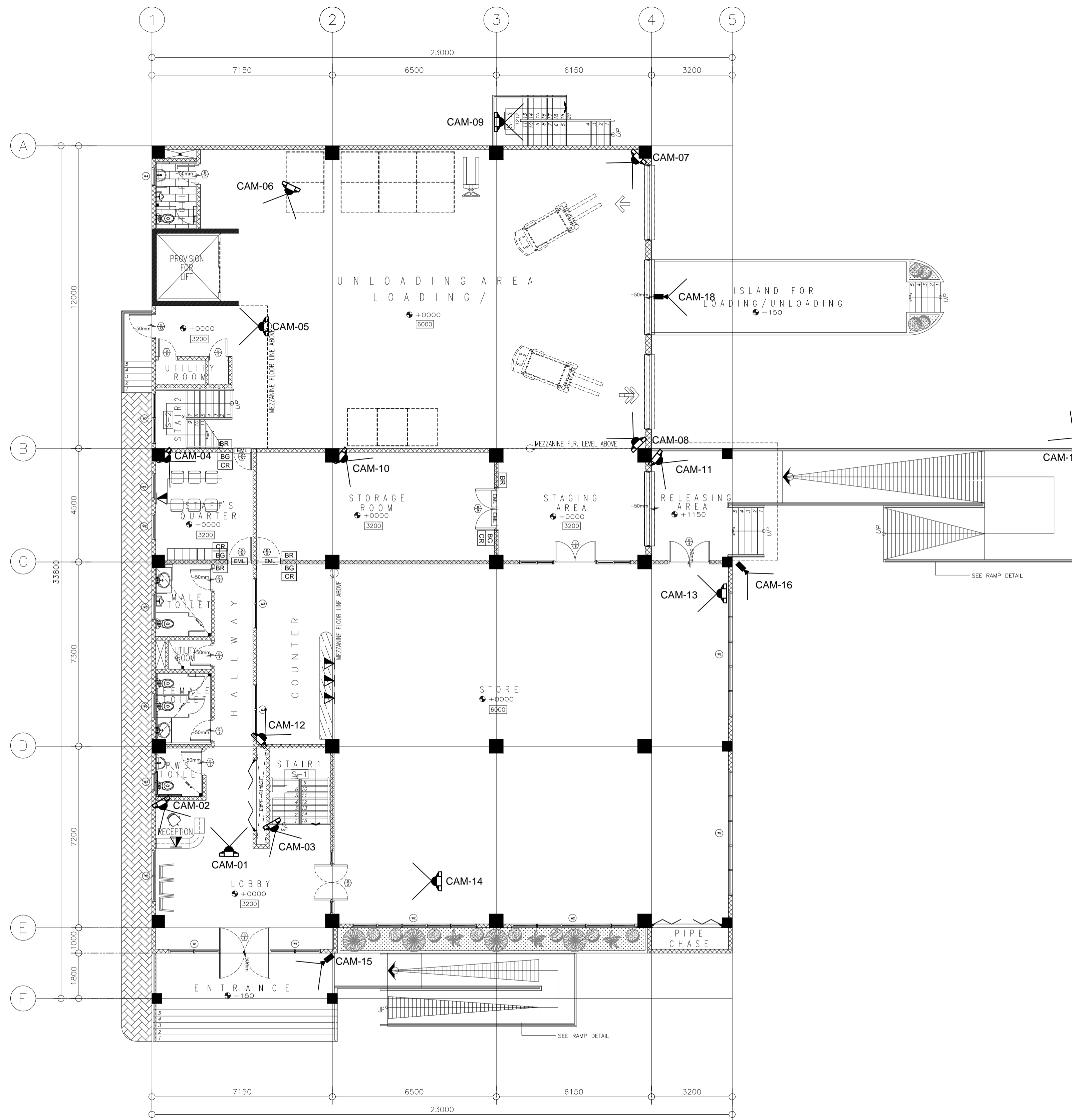
LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

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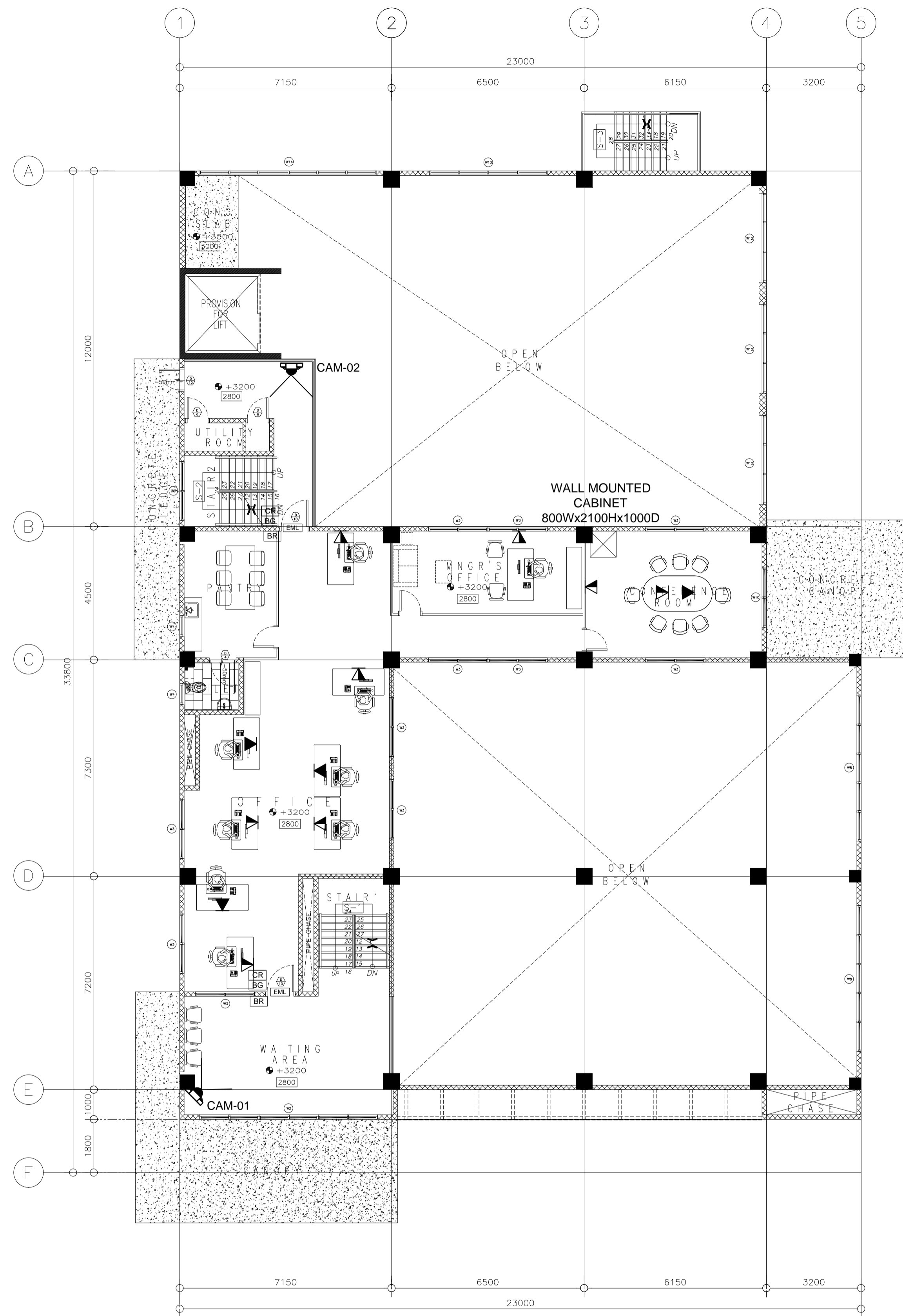
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	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

VOICE/DATA, ACCESS CONTROL
& CCTV DEVICE LAYOUT
GROUND FLOOR PLAN
SCALE 1:100MTS

NOTE:
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VOICE/DATA, ACCESS CONTROL
& CCTV DEVICE LAYOUT

MEZZANINE FLOOR PLAN
SCALE 1:100MTS

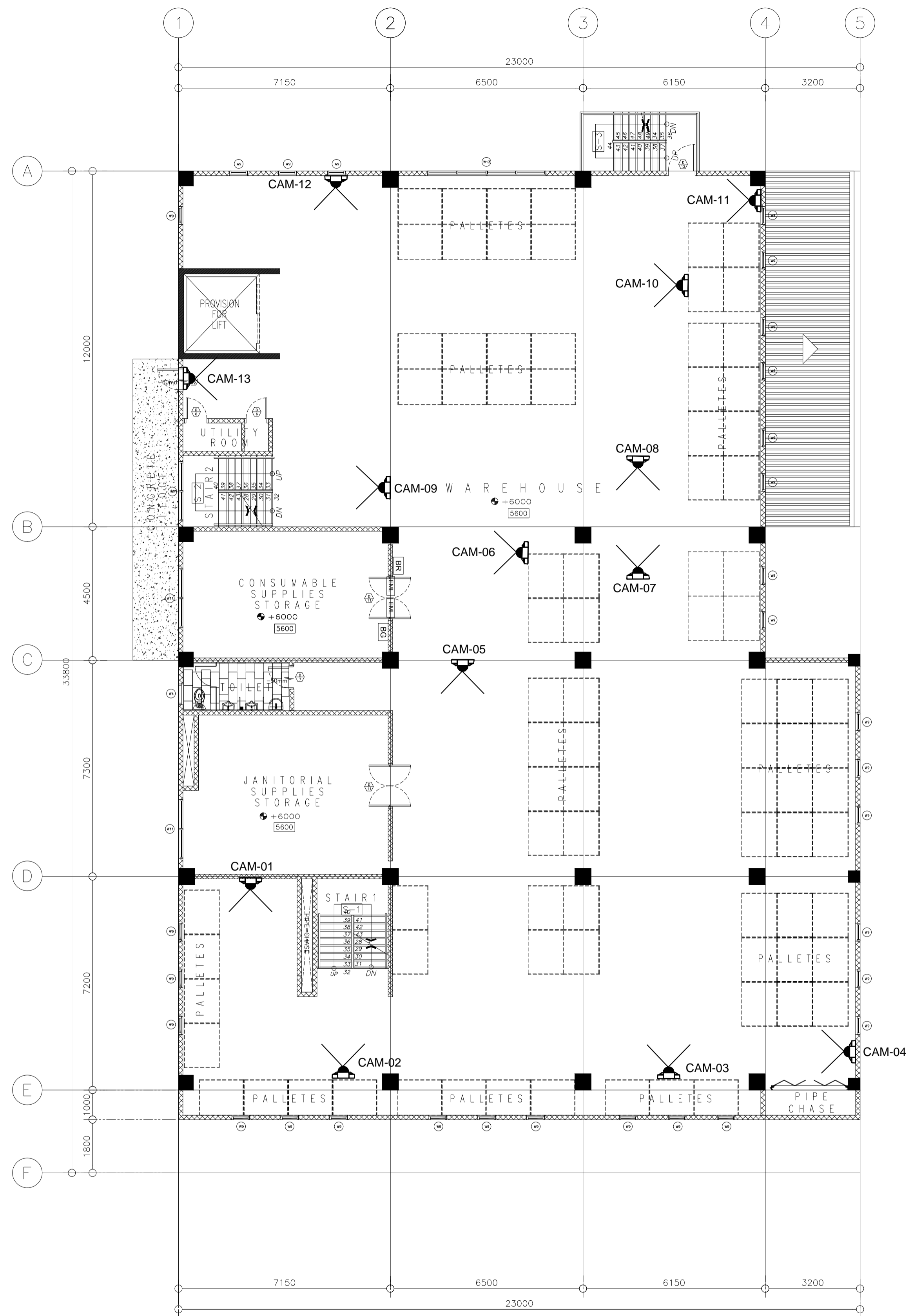
LEGEND:	
	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

NOTE:
PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
PROJECT MANAGER

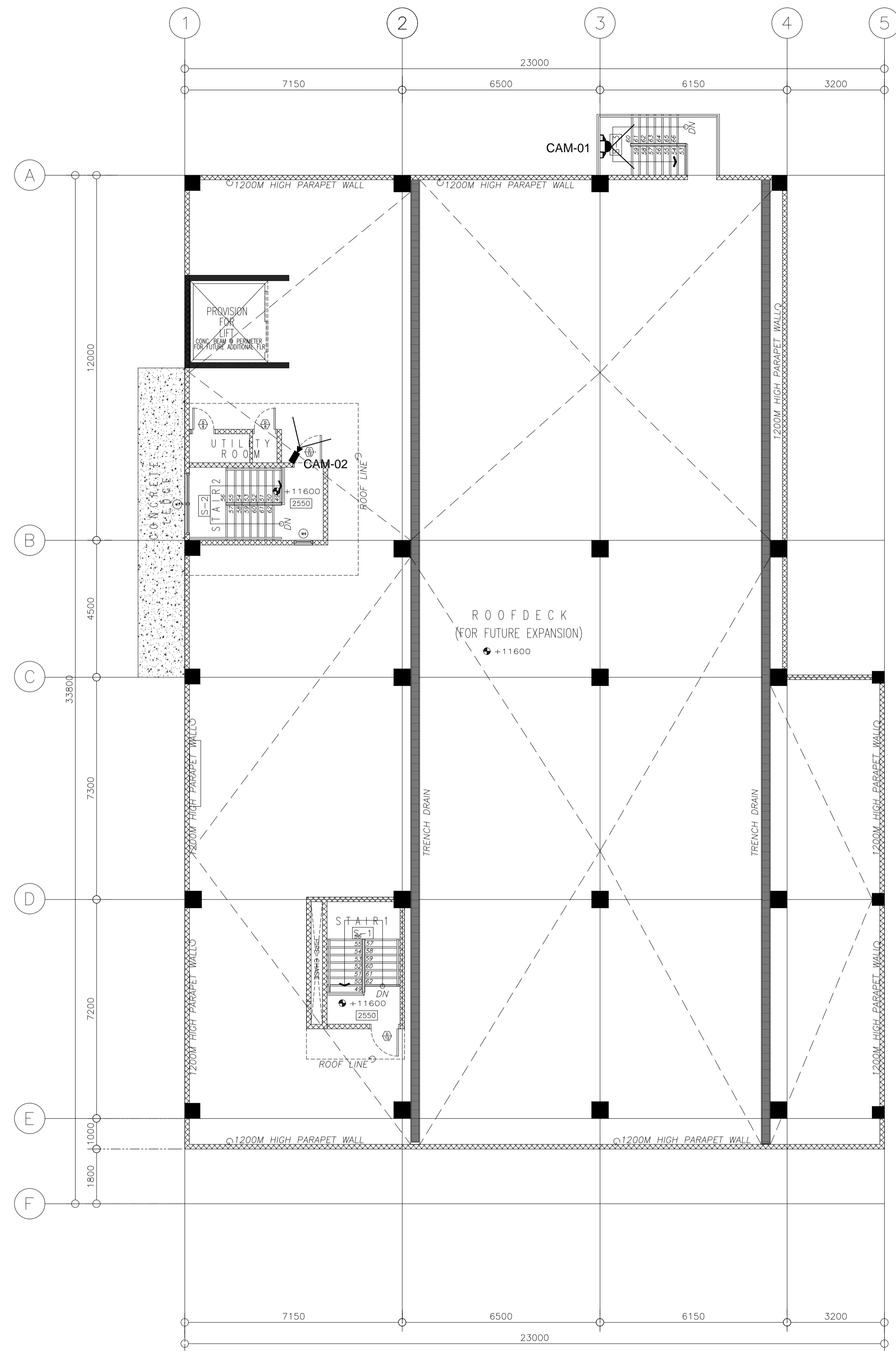
 in joint venture with PTC Engineers & Associates	PECE: EDWIN P. DE GUZMAN <small>REG. NO. 487 DATE: 15 SEP 79</small> <small>PTR. NO. 732068 DATE: 03 JAN 79</small> <small>PLACE ISSUED MMAT/CITY TRN: 215-960-380</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: VOICE / DATA, ACCESS CONTROL & CCTV LAYOUT - MEZZANINE	SET NO. SHEET NO. 12
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VOICE/DATA, ACCESS CONTROL & CCTV DEVICE LAYOUT
SECOND FLOOR PLAN

1/5
 ECE

SCALE 1:100MTS



VOICE/DATA, ACCESS CONTROL & CCTV DEVICE LAYOUT
ROOF DECK PLAN

2/5
 ECE

SCALE 1:100MTS

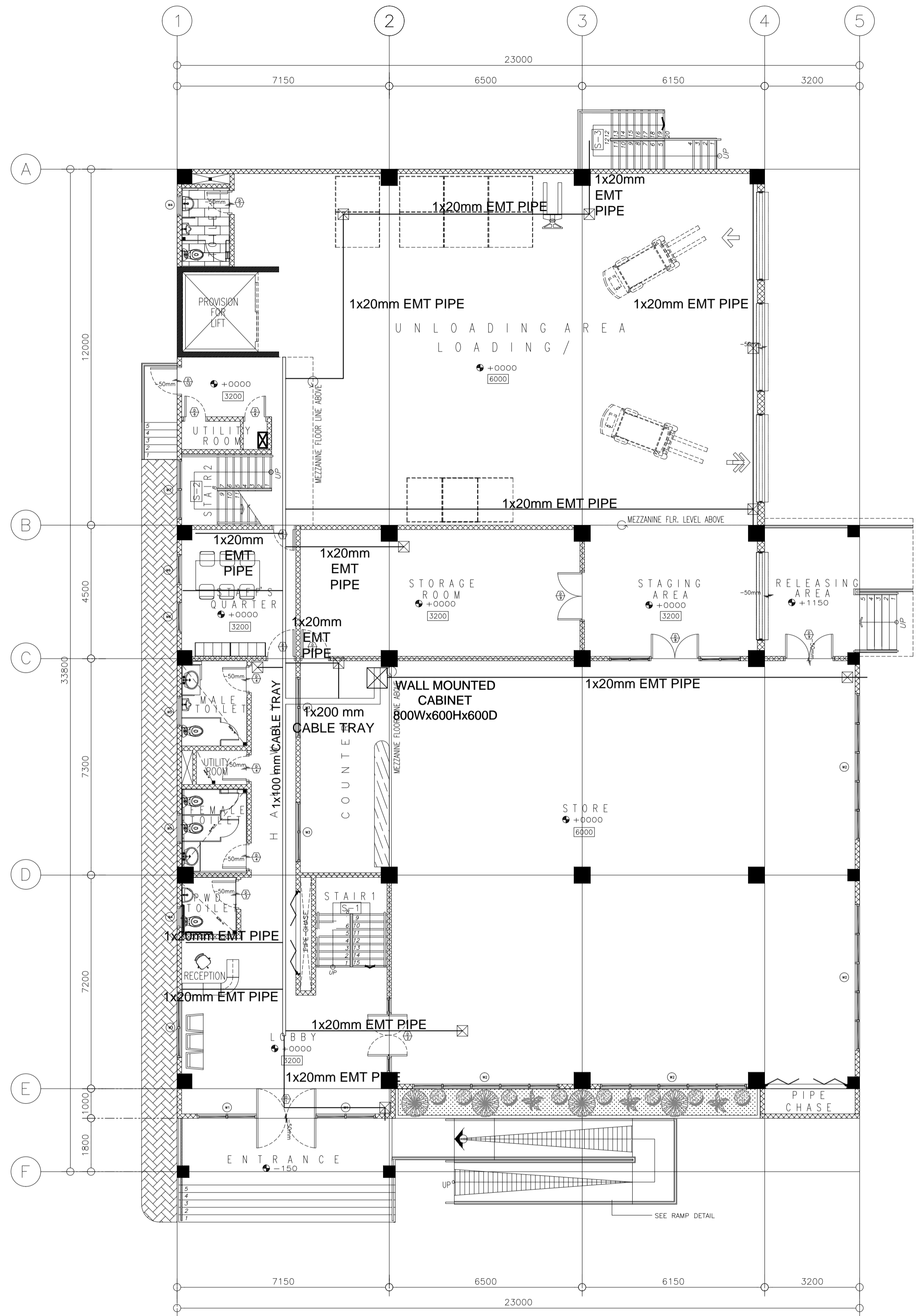
LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

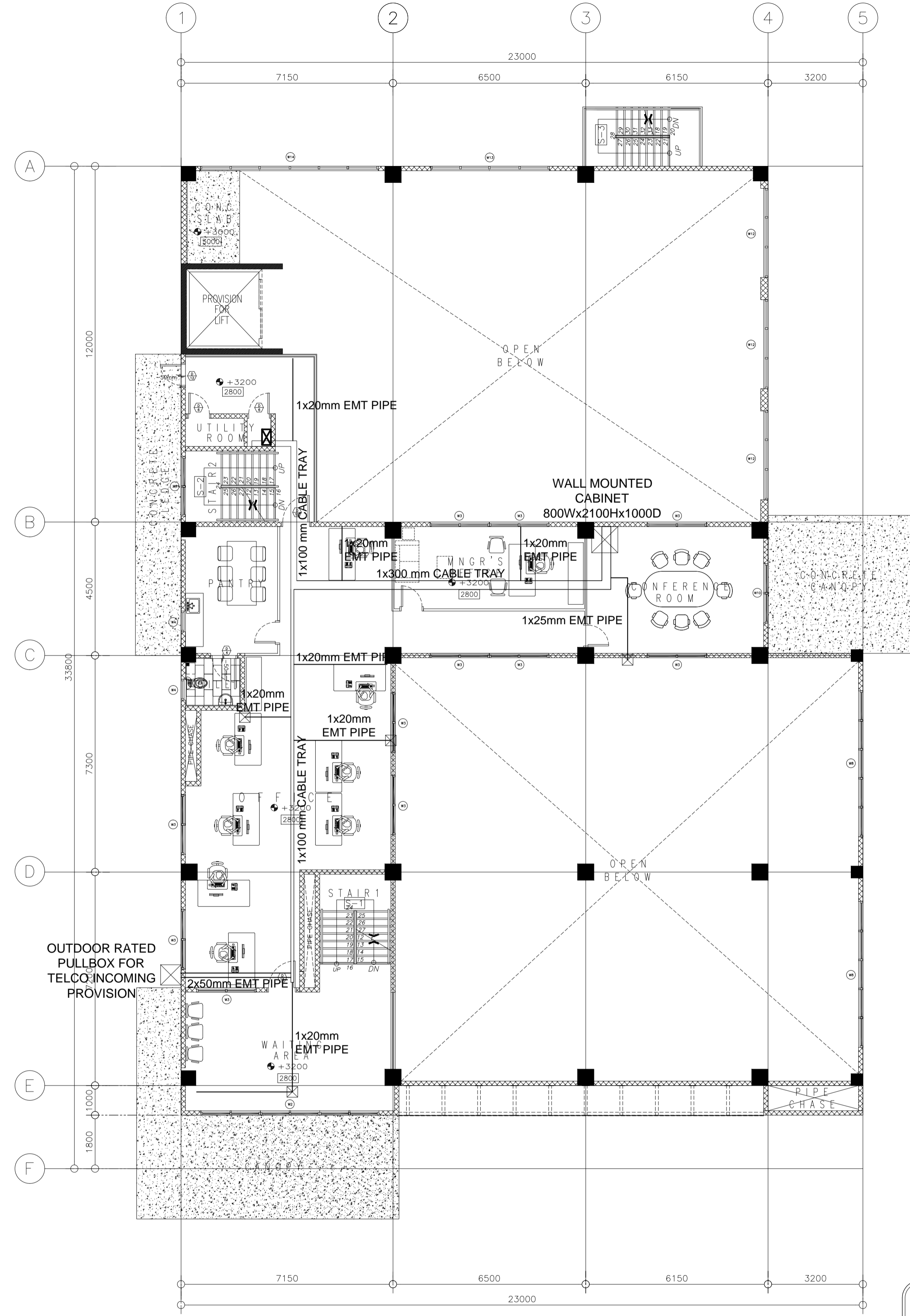
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ELMER T. RAMONEDA
 PROJECT MANAGER

 CONSULTING CIVIL ENGINEERS in joint venture with ENGINEERS CONSULTANTS 	PECE: EDWIN F. DE GUZMAN <small>REG. NO. 487 DATE: 03-JAN-19 PTR. NO. 732968 DATE: 03-JAN-19 PLACE ISSUED: MARIKINA CITY TRN: 215-960-380</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: VOICE / DATA, ACCESS CONTROL & CCTV LAYOUT - SECOND FLOOR & ROOF DECK	SET NO. 	SHEET NO.
	<p>1/5 ECE SCALE 1:100MTS</p> <p>2/5 ECE SCALE 1:100MTS</p>									



SCS, ACS, & CCTV PIPING LAYOUT
GROUND FLOOR PLAN
 SCALE 1:100MTS



SCS, ACS, & CCTV PIPING LAYOUT
MEZZANINE FLOOR PLAN
 SCALE 1:100MTS

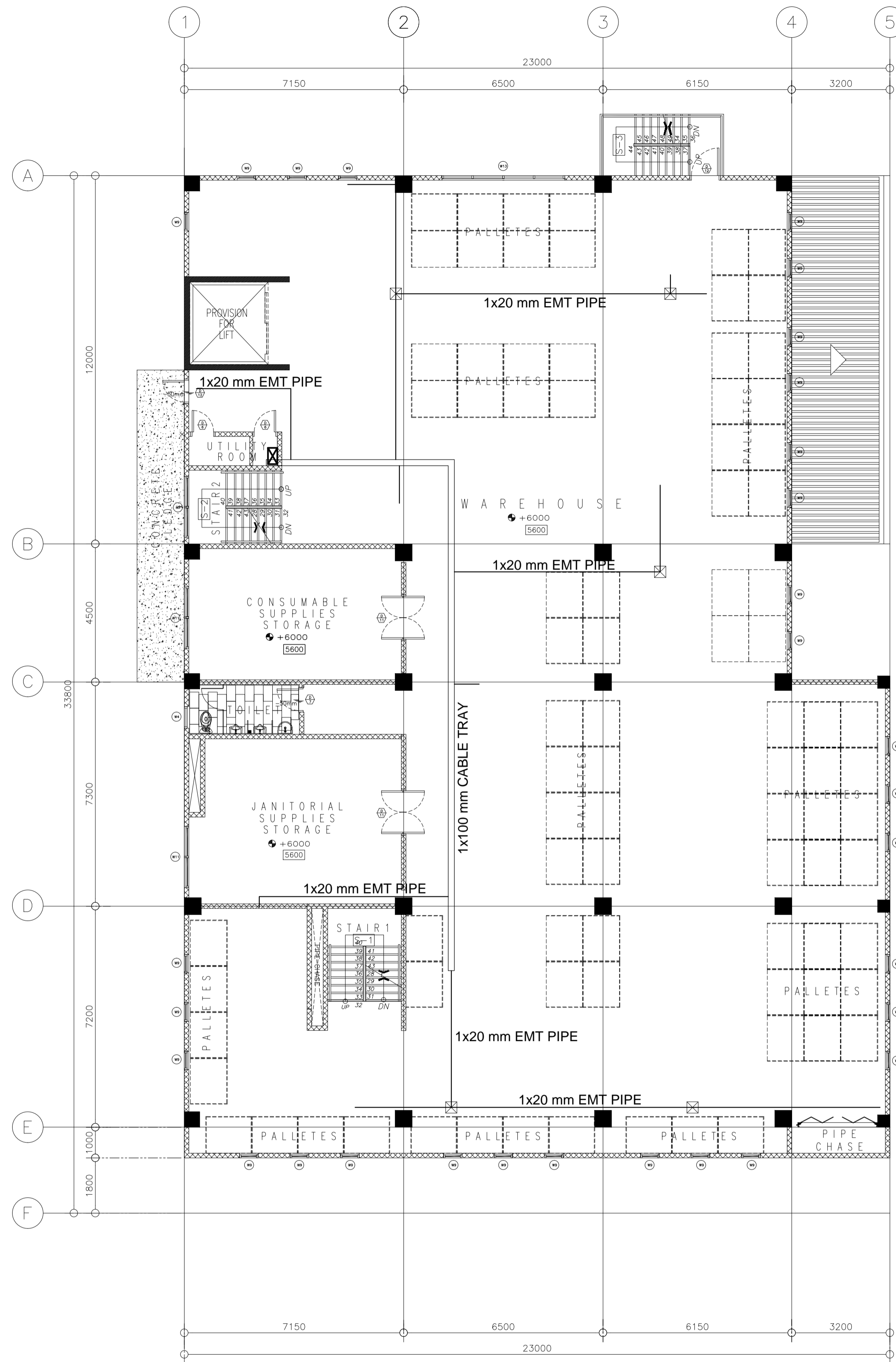
LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

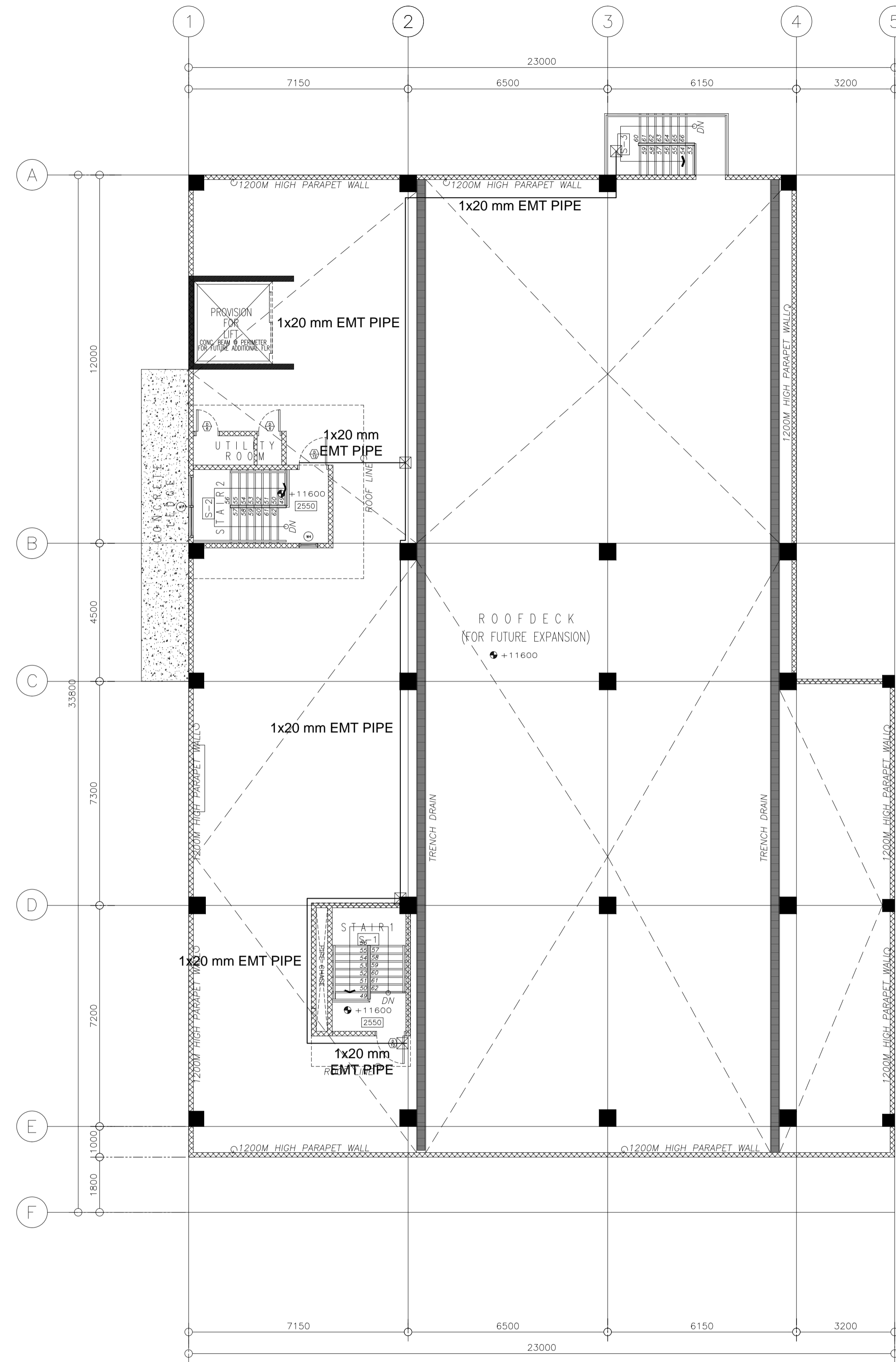
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 ELMER T. RAMONEDA
 PROJECT MANAGER

 URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates	PECE: EDWIN F. DE GUZMAN <small>REGISTERED CIVIL ENGINEER PRC NO. 123898 DATE: 03-JAN-19 PLACE ISSUED: MANTAYOG CITY TIN: 215-960-389</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II, CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SCS, ACS & CCTV TRUNKING & PIPING LAYOUT GROUND FLOOR & MEZZANINE	SET NO. 	SHEET NO.
	<p>SCS, ACS, & CCTV PIPING LAYOUT GROUND FLOOR & MEZZANINE</p>									



SCS, ACS, & CCTV PIPING LAYOUT
SECOND FLOOR PLAN
 SCALE 1:100MTS



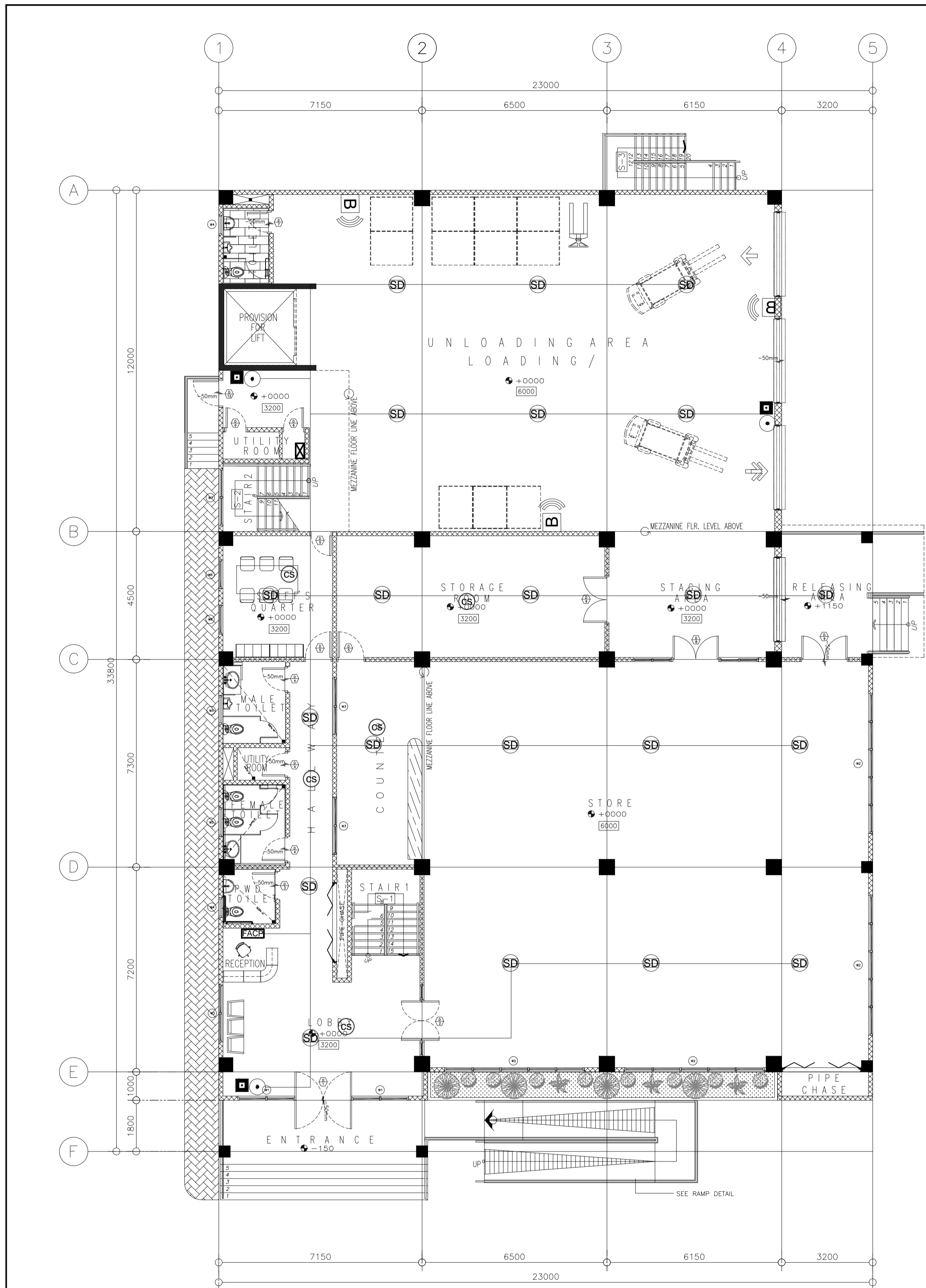
SCS, ACS, & CCTV PIPING LAYOUT
ROOF DECK PLAN
 SCALE 1:100MTS

LEGEND:

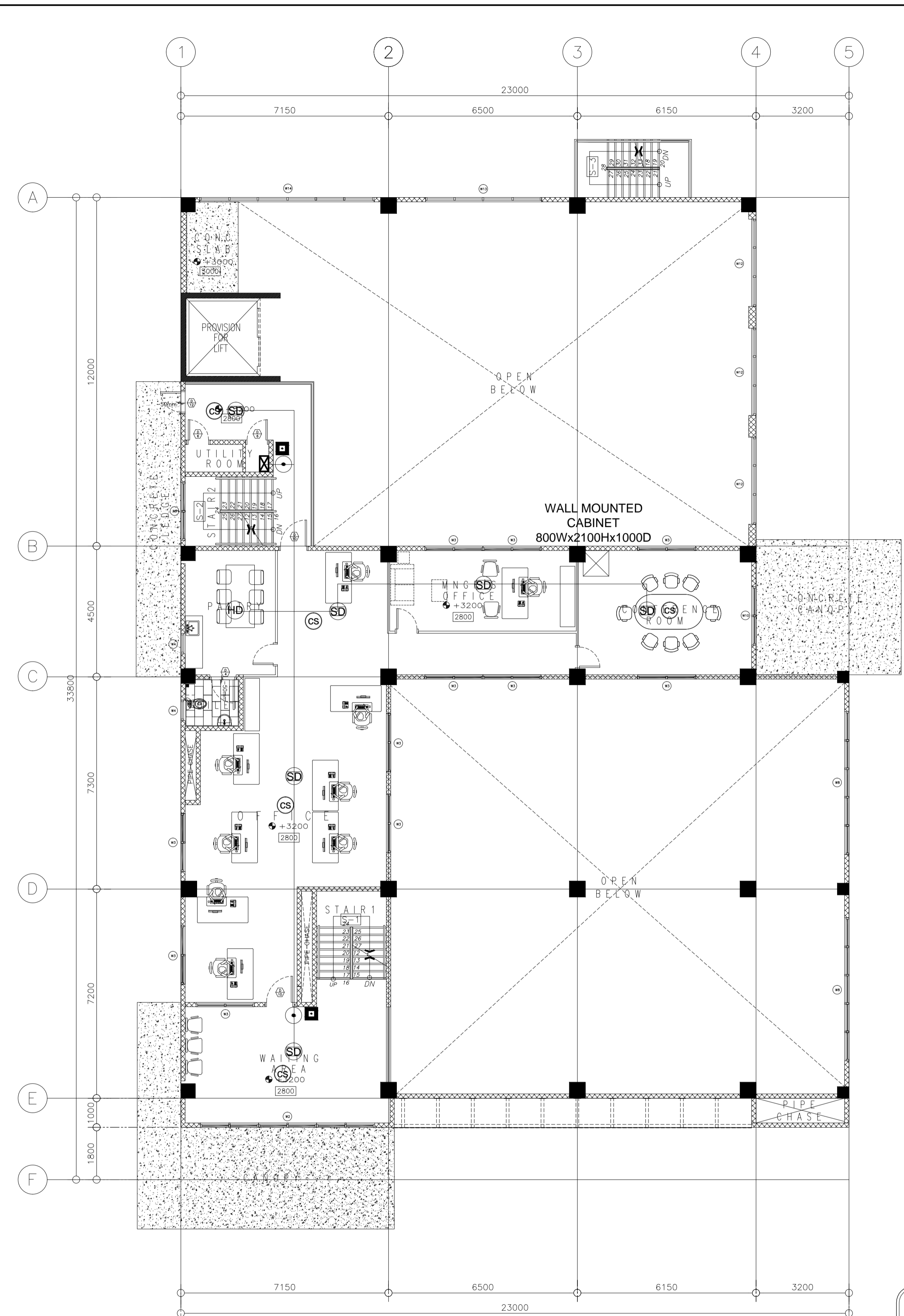
	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

NOTE:
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 ELMER T. RAMONEDA
 PROJECT MANAGER

 CONSULTING CIVIL ENGINEERS in joint venture with ENGINEERS CONSULTANTS 	PECE: EDWIN F. DE GUZMAN <small>REG. NO. 487 DATE: 15 SEP 79</small> <small>PLCE NO. 732968 DATE: 03 JAN 79</small> <small>PLCE ISSUED MMAT/CITY TRN 215-960-380</small>	SUBMITTED: ELMER T. RAMONEDA <small>PROJECT MANAGER</small>	 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BONIFACIO DRIVE, PORT AREA, MANILA	REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS <small>CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN</small>	RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN <small>OIC, ASST. DIRECTOR, BUREAU OF DESIGN</small>	APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I <small>UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES</small>	PROJECT & LOCATION: PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY	SHEET CONTENTS: SCS, ACS & CCTV TRUNKING & PIPING LAYOUT SECOND FLOOR & ROOF DECK	SET NO. SHEET NO.
	<p>URBAN ENGINEERS CONSULTING CIVIL ENGINEERS in joint venture with J.F. CANCIO & Associates ENGINEERS CONSULTANTS PTC Engineers & Associates</p>								



PUBLIC ADDRESS & FDAS SYSTEM LAYOUT
GROUND FLOOR PLAN
 1/8 ECE SCALE 1:100MTS



PUBLIC ADDRESS & FDAS SYSTEM LAYOUT
MEZZANINE FLOOR PLAN
 2/8 ECE SCALE 1:100MTS

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

NOTE:
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ELMER P. RAMONEDA
 PROJECT MANAGER

URBAN ENGINEERS
 CONSULTING CIVIL ENGINEERS
 in joint venture with
J.F. CANCIO & Associates
 ENGINEERS
PTC Engineers & Associates

PECE:
EDWIN F. DE GUZMAN
 DATE: 03-JAN-19
 PLACE ISSUED: MARIKINA CITY
 TIN: 215-960-380

SUBMITTED:
ELMER P. RAMONEDA
 PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:

JOSEPHINE P. ISTURIS
 CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

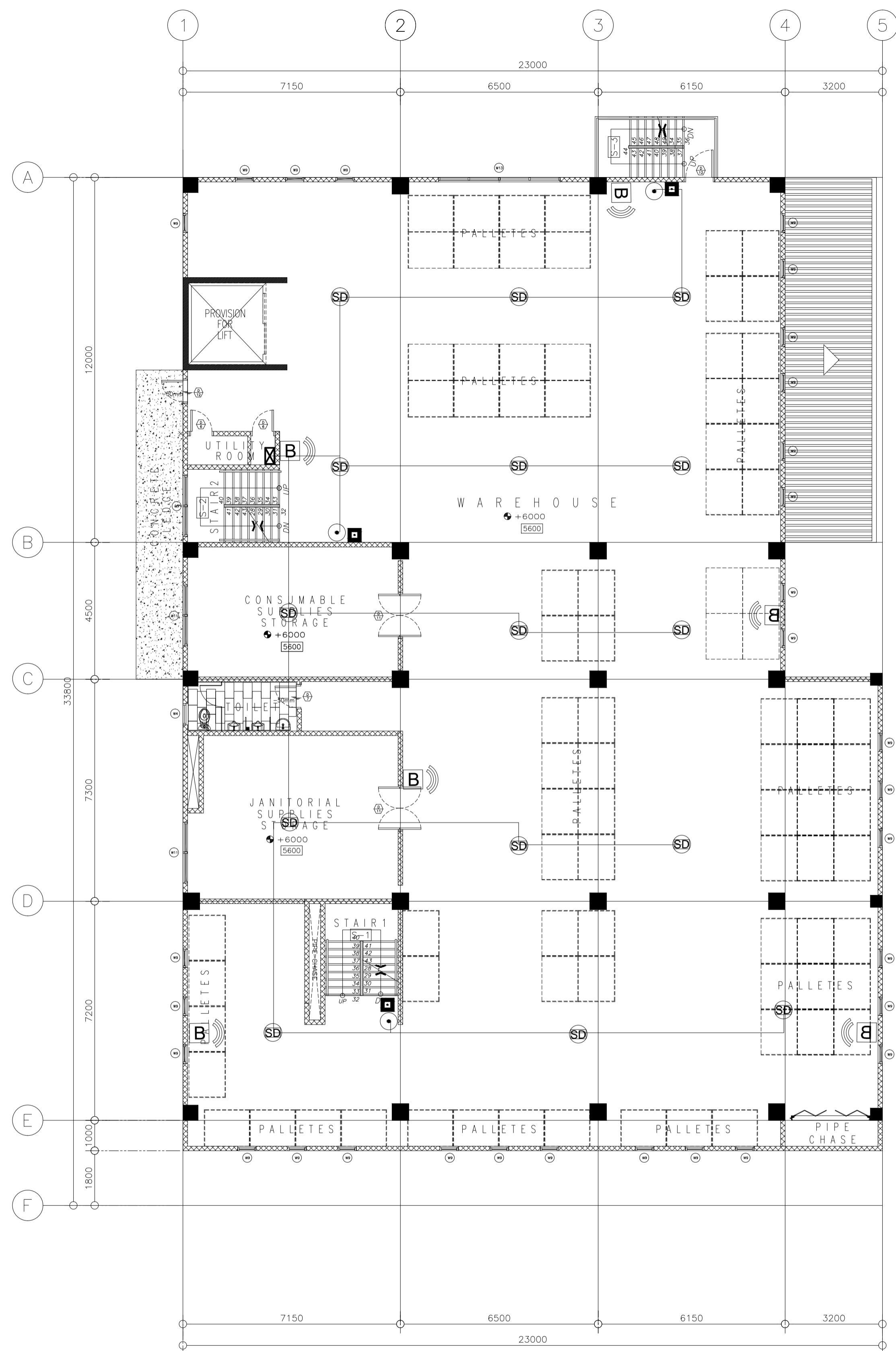
RECOMMENDING APPROVAL:
 (SEE COVER SHEET)
EDWIN C. MATANGUIHAN
 OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED:
 (SEE COVER SHEET)
EMIL K. SADAIN, CESO I
 UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

PROJECT & LOCATION:
 PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II, CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
 PUBLIC ADDRESS AND FDAS LAYOUT
 GROUND FLOOR & MEZZANINE

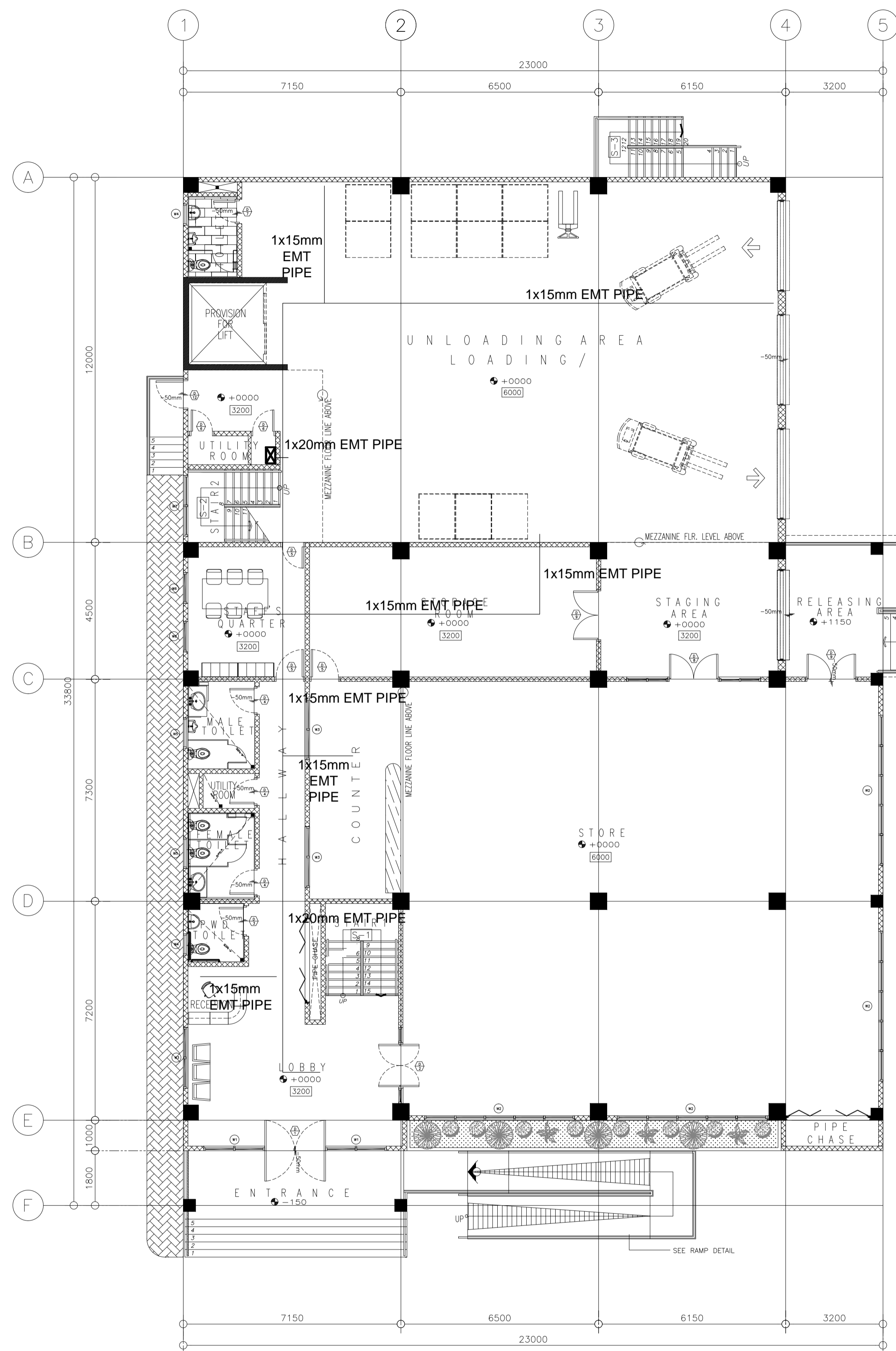
SET NO. **ECE**
 SHEET NO. **08**
 12



**PUBLIC ADDRESS & FDAS SYSTEM LAYOUT
SECOND FLOOR PLAN**

1/9
ECE SCALE

1:100MTS



**PUBLIC ADDRESS PIPING LAYOUT
GROUND FLOOR PLAN**

2/9
ECE SCALE

1:100MTS

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
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	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
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ELMER T. RAMONEDA
PROJECT MANAGER

URBAN ENGINEERS
CONSULTING CIVIL ENGINEERS
in joint venture with
J.F. CANCIO & Associates
ENGINEERS CONSULTANTS
PTC Engineers & Associates

PECE: **EDWIN F. DE GUZMAN**
DATE: 03-SEP-19
PRJ NO.: 732088
PLACE ISSUED/MANIT/CITY: TTN 215-960-380

SUBMITTED: **ELMERT T. RAMONEDA**
PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

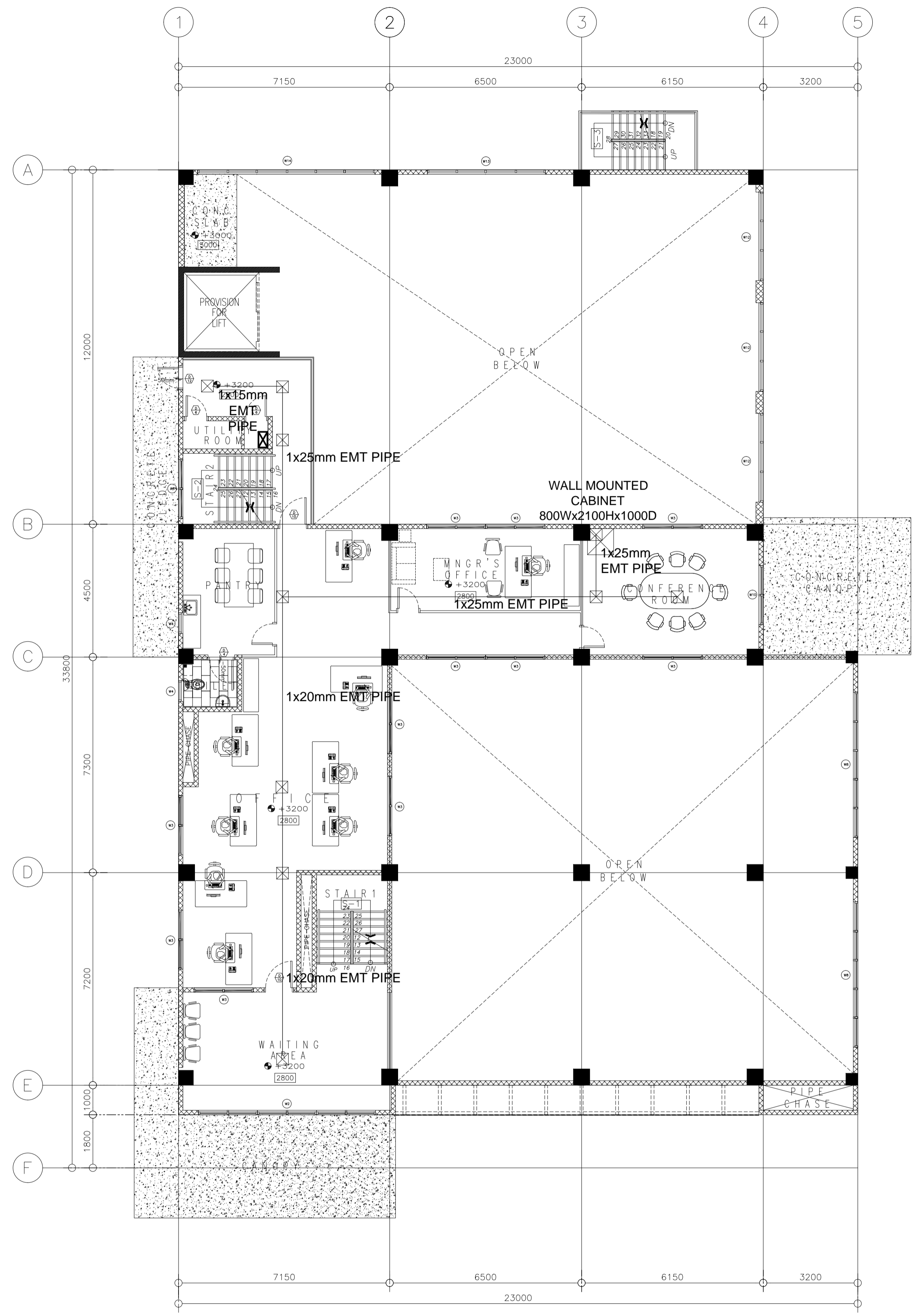
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OIC, ASST. DIRECTOR, BUREAU OF DESIGN

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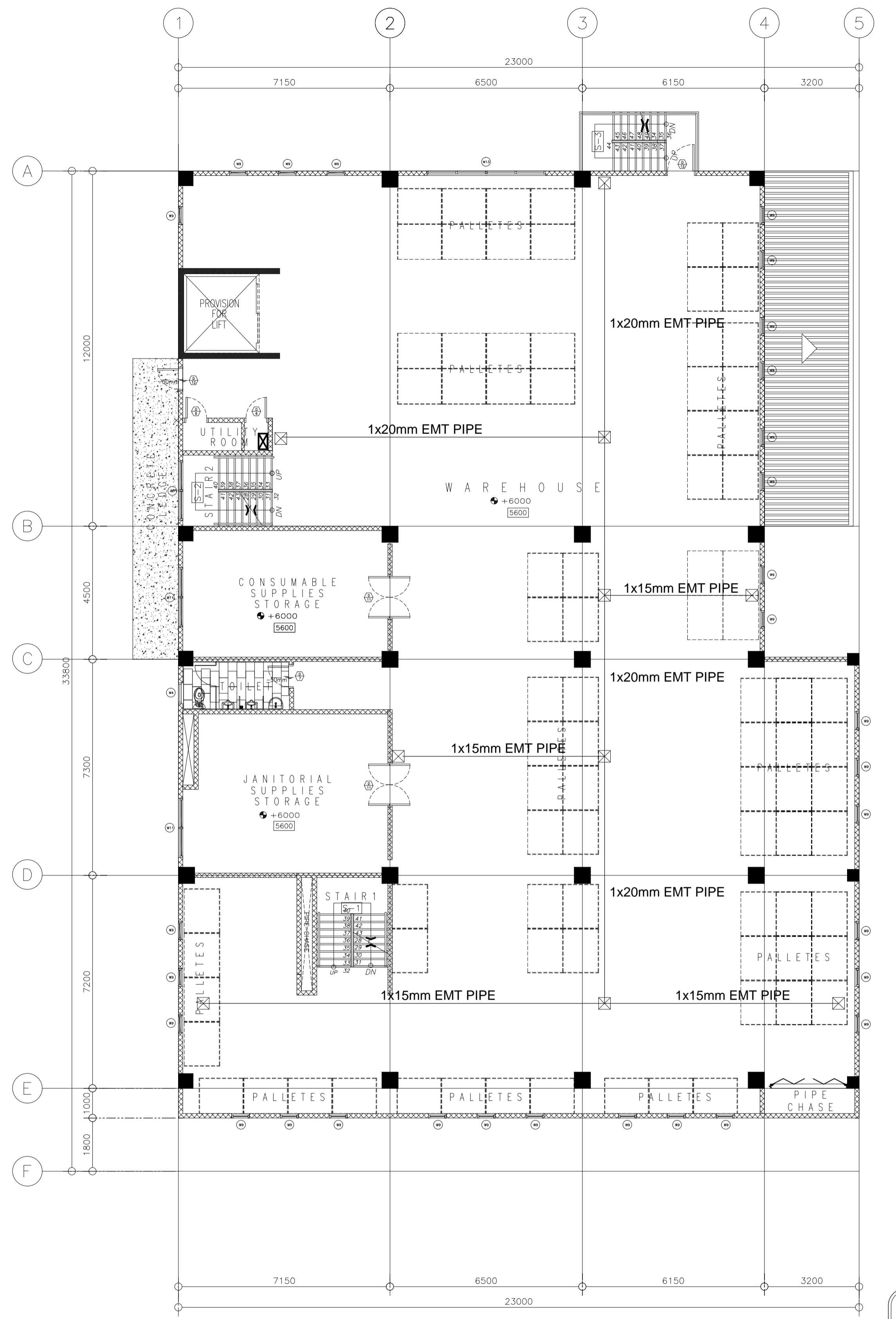
PROJECT & LOCATION:
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SHEET CONTENTS:
PUBLIC ADDRESS AND FDAS LAYOUT
SECOND FLOOR
PUBLIC ADDRESS PIPING LAYOUT
GROUND FLOOR

SET NO. **ECE** SHEET NO. **09**
12



**PUBLIC ADDRESS PIPING LAYOUT
MEZZANINE FLOOR PLAN**
1/10 SCALE 1:100MTS



**PUBLIC ADDRESS PIPING LAYOUT
SECOND FLOOR PLAN**
2/10 SCALE 1:100MTS

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
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URBAN ENGINEERS
CONSULTING CIVIL ENGINEERS
in joint venture with
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ENGINEERS CONSULTANTS
PTC Engineers & Associates

PECE: **EDWIN P. DE GUZMAN**
DATE: 03-JAN-19
DATE ISSUED: MMATTCITY
DATE: 03-JAN-19
TRN: 215-960-389

SUBMITTED: **ELMER T. RAMONEDA**
PROJECT MANAGER

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BONIFACIO DRIVE, PORT AREA, MANILA

REVIEWED AS TO DESIGN CONCEPT:
JOSEPHINE P. ISTURIS
CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN

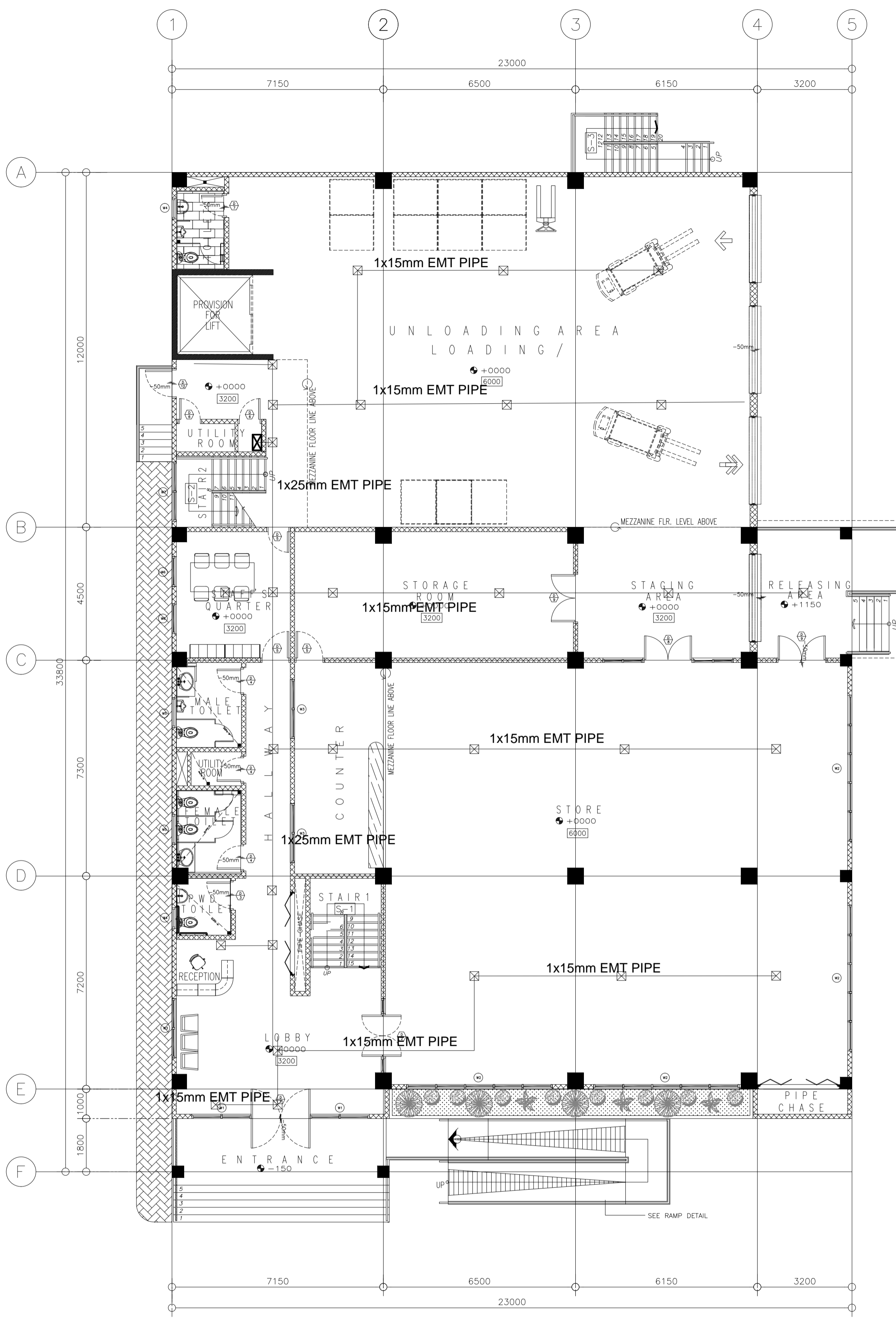
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(SEE COVER SHEET)
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APPROVED:
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EMIL K. SADAIN, CESO I
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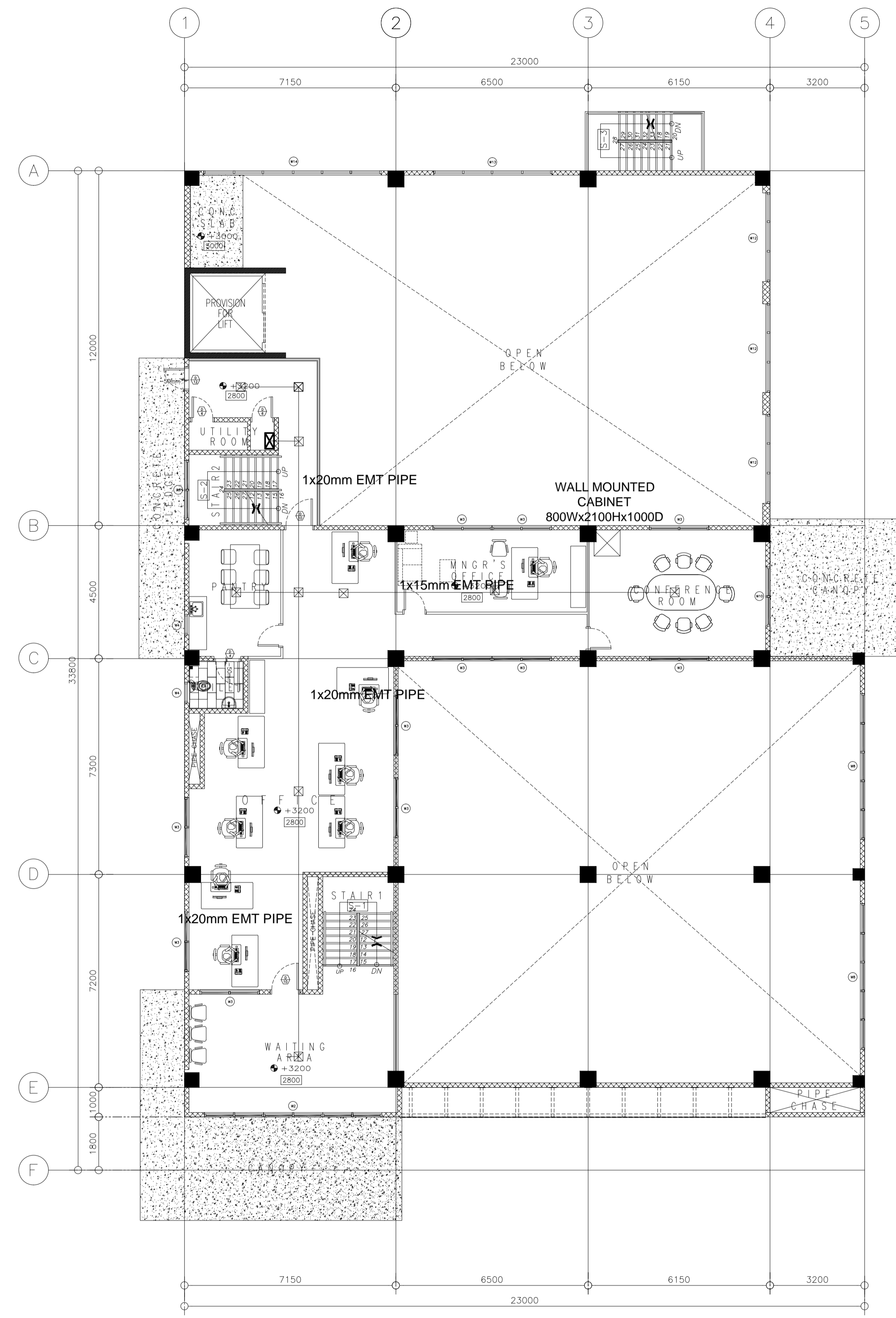
PROJECT & LOCATION:
PREPARATION OF ARCHITECTURAL AND ENGINEERING (A&E) DESIGN FOR THE PROPOSED CONSTRUCTION OF TWO (2) STOREY BUILDING PROCUREMENT SERVICES DEPARTMENT OF BUDGET AND MANAGEMENT (PS-DBM) TUGUEGARAO CITY, REGIONAL DEPOT BUILDING, REGION II CARIG SUR, TUGUEGARAO CITY

SHEET CONTENTS:
**PUBLIC ADDRESS PIPING LAYOUT
MEZZANINE & SECOND FLOOR**

SET NO. **ECE** SHEET NO. **10**
12



FDAS PIPING LAYOUT
GROUND FLOOR PLAN
 111 ECE SCALE 1:100MTS



FDAS PIPING LAYOUT
MEZZANINE FLOOR PLAN
 211 ECE SCALE 1:100MTS

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE

NOTE:
 PURSUANT TO ITEM 5 OF ANNEX 'A' OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9184, THE APPROVAL BY THE AUTHORIZED GOVERNMENT OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGNS UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGNS NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
 THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES/STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

ELMER T. RAMONEDA
 PROJECT MANAGER



PECE: EDWIN F. DE GUZMAN REGISTERED ENGINEER DATE: 03-JAN-19 PLACE ISSUED/MATIVITY: TR: 215-960-389	SUBMITTED: ELMER T. RAMONEDA PROJECT MANAGER
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REVIEWED AS TO DESIGN CONCEPT: JOSEPHINE P. ISTURIS CHIEF, BUILDINGS DIVISION, BUREAU OF DESIGN
--

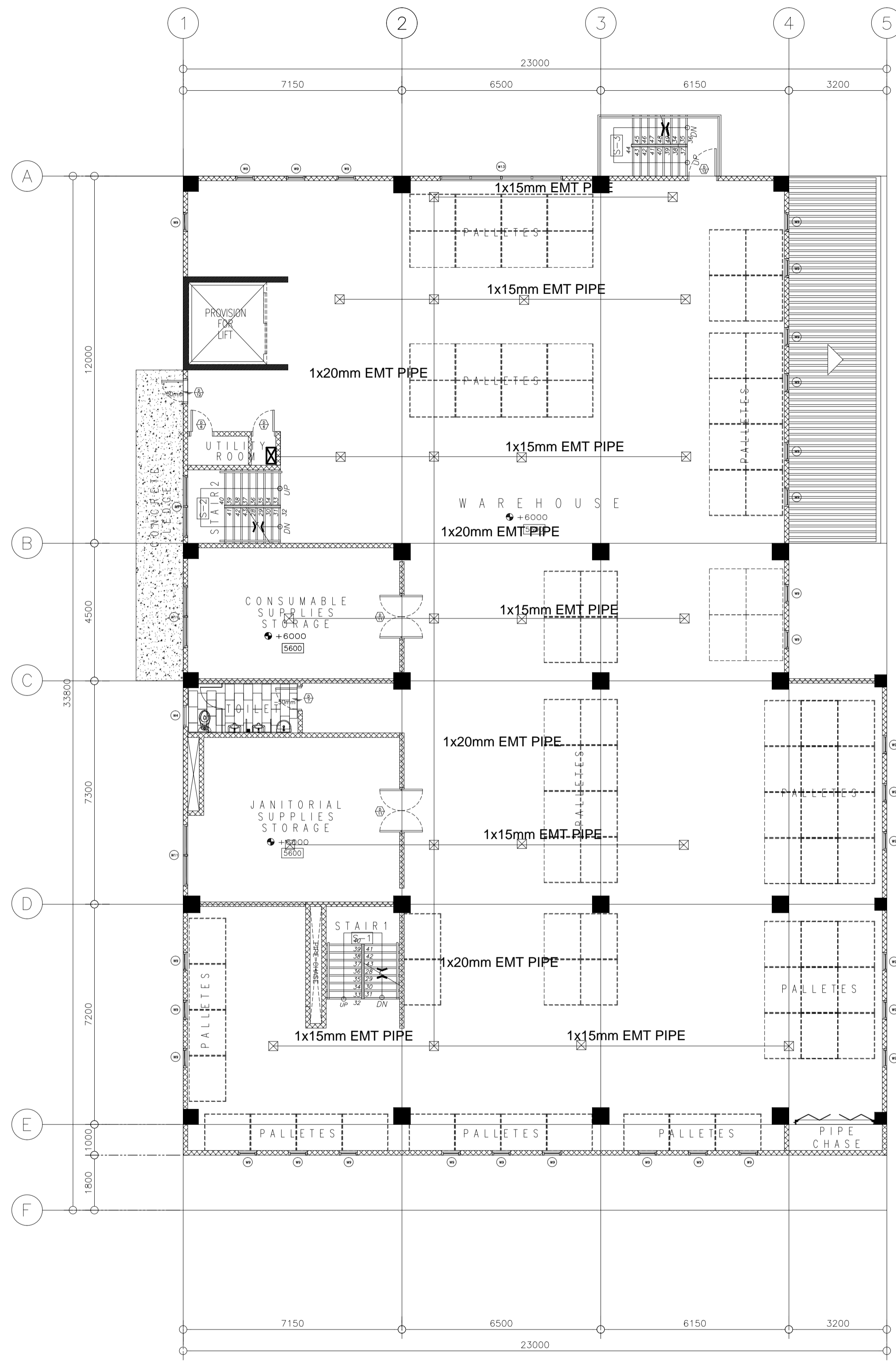
RECOMMENDING APPROVAL: (SEE COVER SHEET) EDWIN C. MATANGUIHAN OIC, ASST. DIRECTOR, BUREAU OF DESIGN

APPROVED: (SEE COVER SHEET) EMIL K. SADAIN, CESO I UNDERSECRETARY FOR UPMO & TECHNICAL SERVICES

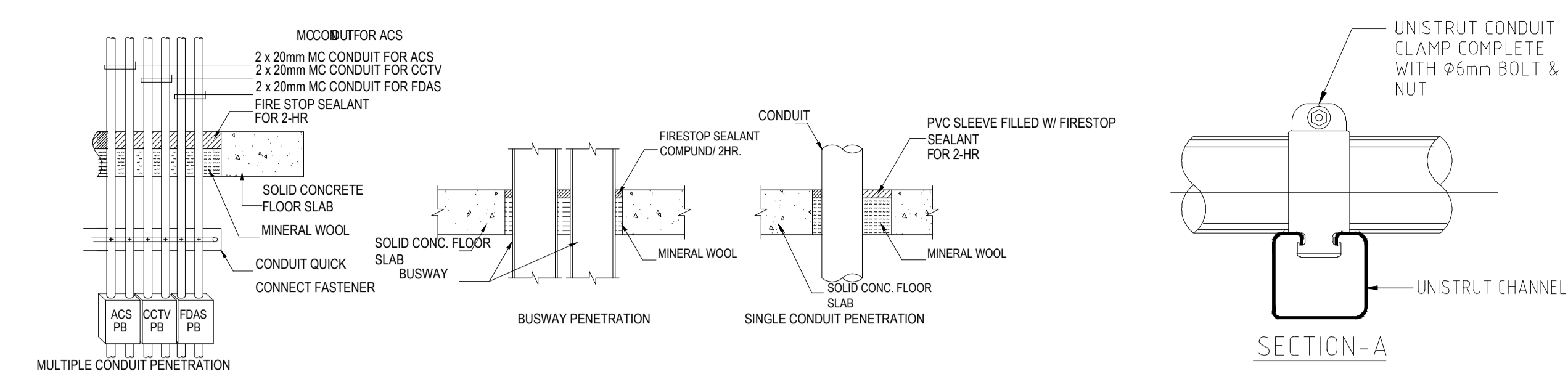
PROJECT & LOCATION:
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SHEET CONTENTS:
 FDAS SYSTEM PIPING LAYOUT
 GROUND FLOOR & MEZZANINE

SET NO. ECE	SHEET NO. 11 12
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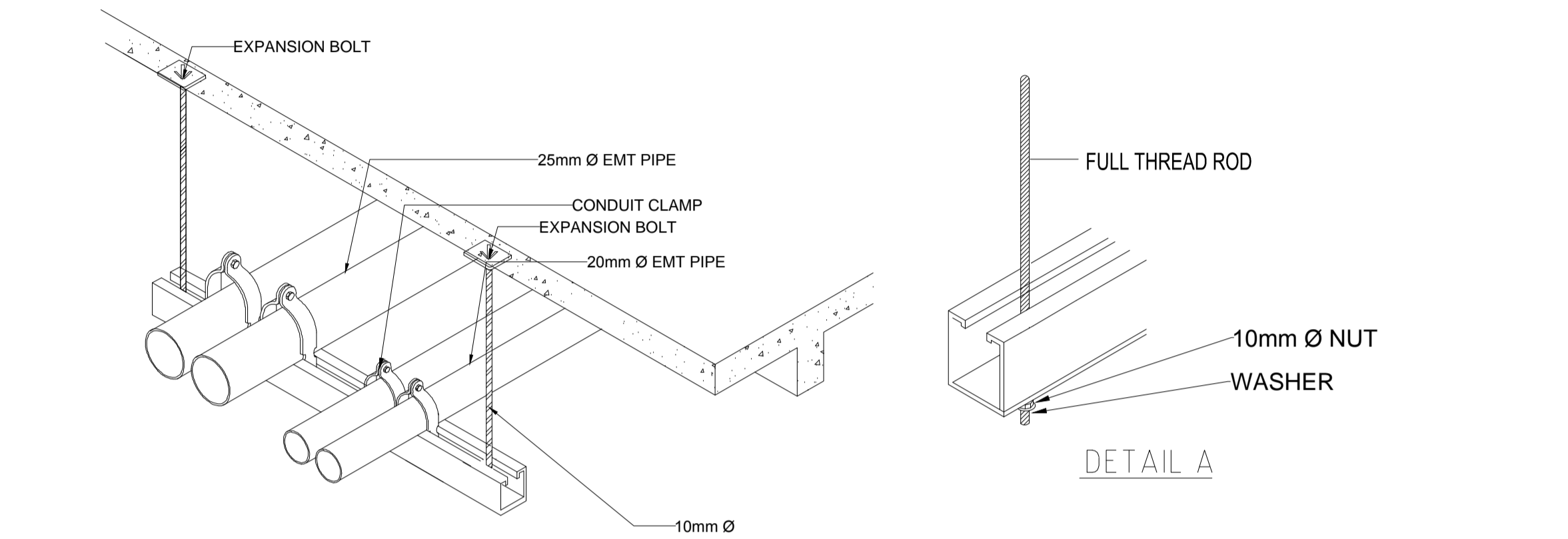


1 12 ECE SCALE
FDAS PIPING LAYOUT SECOND FLOOR PLAN
 1:100MTS

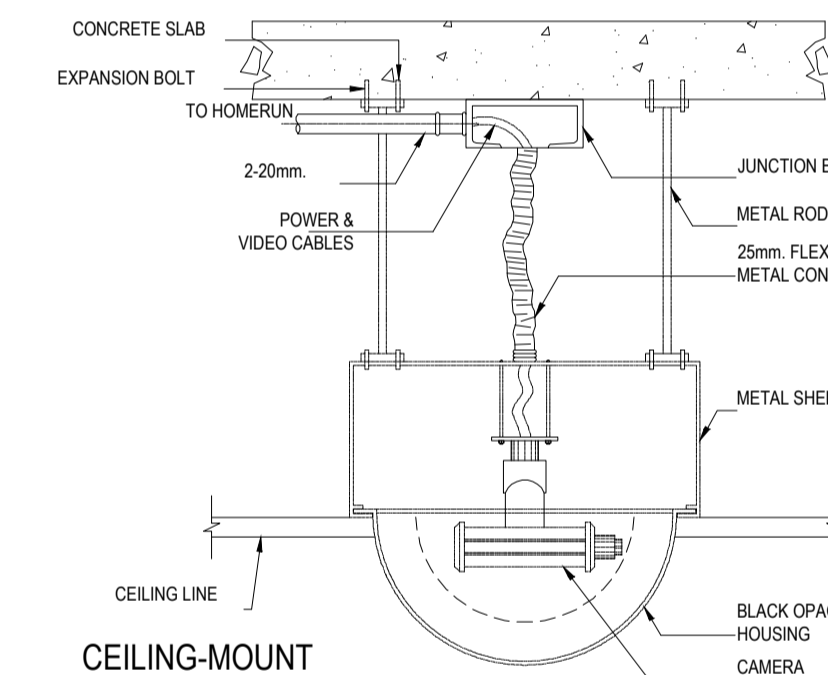


8 12 ECE SCALE
FIRE SPEAKER, MANUAL PUSH STATION AND STROBE LIGHT MOUNTING DETAIL
 NTS

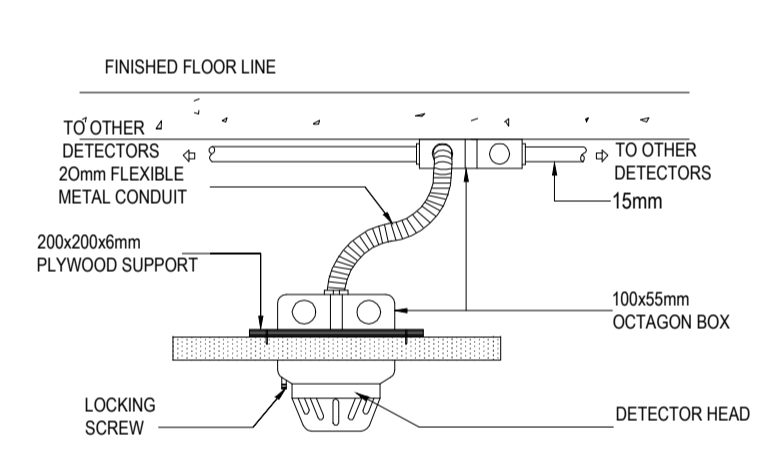
9 12 ECE SCALE
CABLE TRAY WALL SUPPORT
 NTS



7 12 ECE SCALE
MULTIPLE CONDUIT SUSPENDED SUPPORT
 NTS

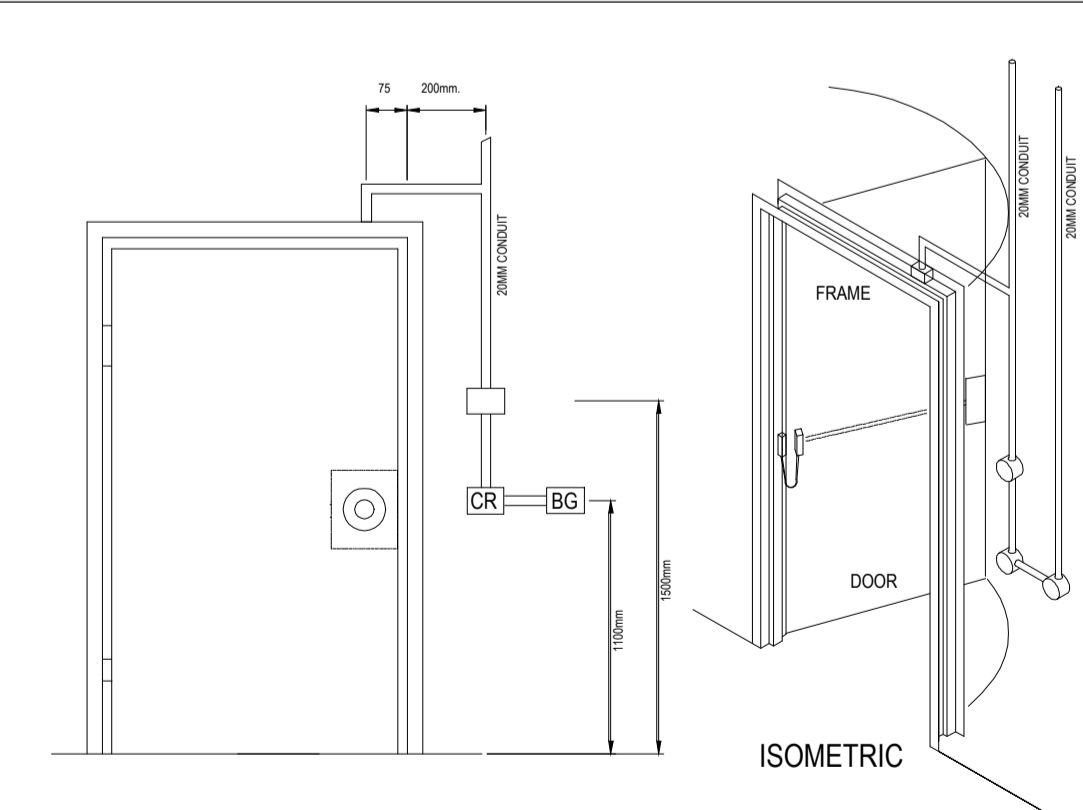


5 12 ECE SCALE
SMOKE HEAT DETECTOR MOUNTING DETAIL ON DROP CEILING W/CONDUIT EXPOSED
 NTS

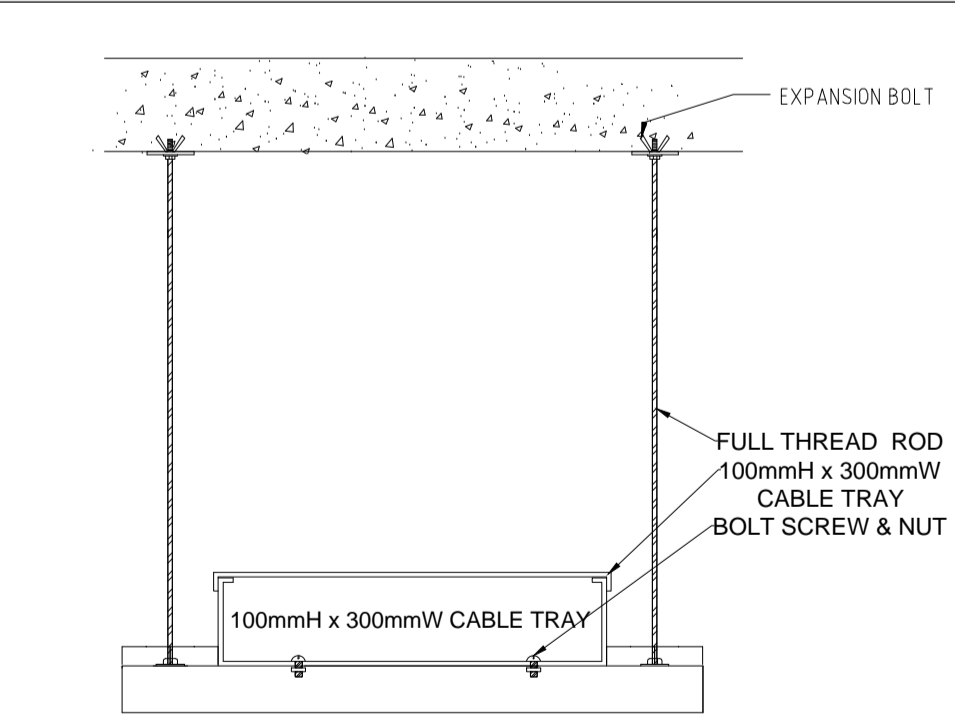


6 12 ECE SCALE
FIRE SPEAKER, MANUAL PUSH STATION AND STROBE LIGHT MOUNTING DETAIL
 NTS

4 12 ECE SCALE
TYPICAL CONDUIT FOR CAMERA MOUNTING
 NTS



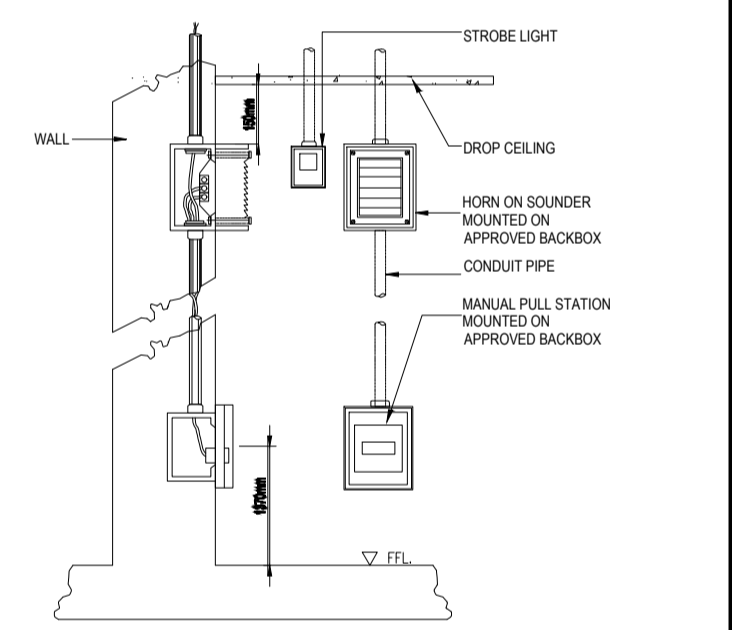
2 12 ECE SCALE
TYPICAL DOOR CONDUIT FOR STANDARD CARD READER WITH BREAKGLASS UNIT & INTERCOM
 NTS



3 12 ECE SCALE
WIREWAY OR CABLE TRAY SUPPORT
 NTS

LEGEND:

	VOICE AND DATA PORT
	DATA PORT
	100x100mm CABLE TRAY
	100x200mm CABLE TRAY
	100x300mm CABLE TRAY
	PIPING-OVERHEAD
	PIPING-EMBEDDED
	PIPING-OVERHEAD (FDAS)
	MDF/IDF CABINET
	SQUARE BOX
	BULLET CCTV (OUTDOOR)
	DOME CCTV (INDOOR)
	PROXIMITY READER
	BIOMETRIC READER
	PUSH BUTTON
	ELECTROMAGNETIC LOCK
	BREAK GLASS
	AMPLIFIER
	REMOTE MICROPHONE
	CEILING SPEAKER
	WALL SPEAKER
	FIRE ALARM CONTROL PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL CALL POINT
	HORN STROBE



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