Republic of the Philippines
PHILIPPINE ECONOMIC ZONE AUTHORITY
Cavite Economic Zone, Rosario Cavite

REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE (CEZITB 2024-10-010)

October 2024
Sixth Edition

TABLE OF CONTENTS

Glossary of Terms, Abbreviations, and Acronyms....4
Section I. Invitation to Bid....7
Section II. Instructions to Bidders....9
1. Scope of Bid....10
2. Funding Information....10
3. Bidding Requirements....10
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices....10
5. Eligible Bidders....11
6. Origin of Associated Goods....11
7. Subcontracts....11
8. Pre-Bid Conference....11
9. Clarification and Amendment of Bidding Documents....12
10. Documents Comprising the Bid: Eligibility and Technical Components....12
11. Documents Comprising the Bid: Financial Component....12
12. Alternative Bids....13
13. Bid Prices....13
14. Bid and Payment Currencies....13
15. Bid Security....13
16. Sealing and Marking of Bids....13
17. Deadline for Submission of Bids....14
18. Opening and Preliminary Examination of Bids....14
19. Detailed Evaluation and Comparison of Bids....14
20. Post Qualification....15
21. Signing of the Contract....15
Section III. Bid Data Sheet....16
Section IV. General Conditions of Contract....19
1. Scope of Contract....20
2. Sectional Completion of Works....20
3. Possession of Site....20
4. The Contractor's Obligations....20
5. Performance Security....21
6. Site Investigation Reports....21

7. Warranty....21
8. Liability of the Contractor....21
9. Termination for Other Causes....21
10. Dayworks....22
11. Program of Work....22
12. Instructions, Inspections and Audits....22
13. Advance Payment....22
14. Progress Payments....22
15. Operating and Maintenance Manuals....22

Section V. Special Conditions of Contract.... 24

Section VI. Specifications.... 26

Section VII. Drawings.... 50

Section VIII. Bill of Quantities.... 51

Section IX. Checklist of Technical and Financial Documents.... 52

Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE (CEZITB 2024-10-010)

1. The PHILIPPINE ECONOMIC ZONE AUTHORITY-CAVITE ECONOMIC ZONE (PEZA-CEZ), through the Corporate Operating Budget for CY 2024 intends to apply the sum of **Pesos: Fifteen Million Two Hundred Twenty-Two Thousand Eight Hundred Twenty-Six and 67/100 Only (₱15,222,826.67)** being the Approved Budget for the Contract (ABC) to payments under the contract for the **REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE (CEZITB 2024-10-010)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2.
3. The PEZA-CEZ now invites bids for the above Procurement Project. Completion of the Works is required within **One Hundred Eighty (180) Calendar Days which shall commence three (3) days from the date of receipt of Notice to Proceed (NTP)**. Bidders should have completed, within **the last five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

4. Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

   Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships, or organizations with at least seventy five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

5. Interested bidders may obtain further information from **CEZ-BAC Secretariat** and inspect the Bidding Documents at the address given below from **Monday to Friday from 8:00 a.m. to 5:00 p.m.**

6. A complete set of Bidding Documents may be acquired by interested bidders on **25 October 2024** from the given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Twenty Five Thousand Pesos Only (₱25,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

   Interested bidders shall send an email at **cezbac@peza.gov.ph** for the issuance of an order of payment. All PEZA transactions and fees can only be paid through **https://epay.peza.gov.ph**.

7. The PEZA-CEZ will hold a Pre-Bid Conference on **4 November 2024, 2:30 pm** at **2F New Administration Building, Cavite Economic Zone, Rosario, Cavite**, **and/or through videoconferencing / webcasting via Microsoft Teams**, which shall be open to all prospective bidders. For bidders who wish not to be physically present during the pre-bid

conference, the BAC Secretariat shall email invite/meeting ID and password to those who signify their intent via email below.

8. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address as indicated below, on or before **2:00 pm, 20 November 2024**. Late bids shall not be accepted.

9. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

10. Bid opening shall be on **20 November 2024, 2:30 pm** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

11. In any case the above date is declared a special non-working holiday, it will automatically be reset on the next working day.

12. The PEZA-CEZ reserves the right to reject any and all bids, annul the bidding process, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

13. For further information, please refer to:

Secretariat, CEZ-Bids and Awards Committee
Phil. Economic Zone Authority-Cavite Economic Zone
1/F New Administration Bldg., CEZ, Rosario, Cavite
Tel. Nos. (046) 4376146 / 4376070
Tel./Fax No. (046) 437-6090
Email: **cezbac@peza.gov.ph**

14. You may visit the following websites:

For downloading of Bidding Documents:

a. PEZA Website (**https://www.peza.gov.ph/bid-opportunities**); or
b. Philgeps Website

23 October 2024

Ms. JESSICA M. ITAAS
Chairperson, CEZ-BAC

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, ***PEZA-Cavite Economic Zone*** invites Bids for the ***REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE*** with Project Identification Number ***CEZITB 2024-10-010***.

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for ***Corporate Operating Budget for CY 2024*** in the amount of ***Pesos: Fifteen Million Two Hundred Twenty-Two Thousand Eight Hundred Twenty-Six and 67/100 Only (₱15,222,826.67)***.

2.2. The source of funding is:

a. GOCC and GFIs, the Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **2F New Administration Building, Cavite Economic Zone, Rosario, Cavite** and/or through videoconferencing/ webcasting} as indicated in paragraph 6 of the **IB.**

4 November 2024, 2:30pm

For bidders who wish not to be physically present during the pre-bid conference, CEZ-BAC Secretariat shall email invite/meeting ID and password to those who signify their intent via email **cezbac@peza.gov.ph**

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

10.3. A valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.

10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.

10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.

11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

14.2. *Payment of the contract price shall be made in:*

a. Philippine Pesos.

15. Bid Security

15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

15.2. The Bid and bid security shall be valid until ***120 calendar days from the date of opening of bids***. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit two (2) copies of the first and second components of its Bid. (one original and one duplicate copy)
The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB.**

(i) manual submission at the Secretariat, CEZ BAC, 1F EAD Office, New Admin Bldg. PEZA Cavite Economic Zone Rosario Cavite, on or before 2:00pm, 20 November 2024

18. Opening and Preliminary Examination of Bids

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of **five (5) calendar days from receipt by the Bidder of the notice from the BAC** that it submitted the Lowest Calculated Bid, the Bidder shall submit its **latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS)**, and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

a. Information that specifies and complements provisions of the ITB must be incorporated.

b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

<table>
<tr><th>ITB Clause</th><th></th></tr>
<tr><td>5.2</td><td>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:

a) Residential, Commercial, School or Office building and fit-out works.
b) Completed within the last five (5) years prior to the deadline for the submission and receipt of bids</td></tr>
<tr><td>7.1</td><td>Subcontracting is not allowed.</td></tr>
<tr><td>10.3</td><td>valid PCAB License

a. Size Range: <u>Small B</u>
b. License Category: <u>C & D</u>
c. Allowable Range of Contract Cost: <u>up to 30M</u></td></tr>
<tr><td>10.4</td><td>The key personnel must meet the required minimum years of experience set below:

<table>
<tr><th>Key Personnel</th><th>General Experience (Years)</th><th>Relevant Experience (Years)</th></tr>
<tr><td>Project Manager</td><td>5</td><td>3</td></tr>
<tr><td>Project Engineer</td><td>5</td><td>3</td></tr>
<tr><td>Construction Foreperson (Foreman)</td><td>5</td><td>3</td></tr>
<tr><td>Safety Officer</td><td>5</td><td>3</td></tr>
</table>
</td></tr>
<tr><td>10.5</td><td>The minimum major equipment requirements are the following:

<table>
<tr><th>Equipment</th><th>Number of Units</th><th>Minimum Capacity</th></tr>
<tr><td>Dump Truck Rigid on Highway (8x4)</td><td>1</td><td>30Mt. Tons, 380 Flywheel Horsepower</td></tr>
<tr><td>Crawler Backhoe</td><td>1</td><td>0.33cu.m. Bucket Capacity, 54.0 Flywheel Horsepower, 5.0-8.0 Fuel Consumption</td></tr>
<tr><td>Concrete Mixer 1 Bagger</td><td>1</td><td>4.0 - 6.0 cu.ft./min. Drum Capacity</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>Value Engineering not allowed.</td></tr>
<tr><td>15.1</td><td>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:
a. The amount of not less than <u>₱ 304,456.53</u> [two percent (2%) of ABC], if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit;

b. The amount of not less than <u>₱ 761,141.33</u> [five percent (5%) of ABC] if bid security is in Surety Bond.</td></tr>
</table>

19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	The S/LCB shall submit ***two (2) sets of true copies of the original certified as such by the bidder or his duly authorized signatory*** within a ***non-extendible period of five (5) calendar days*** from receipt of the notification **arranged, numbered and tabbed as enumerated below**: 1. Certified true copy of Income Tax Return stamped received by BIR or its duly accredited and authorized institution for the immediately preceding year and six (6) consecutive months immediately prior to the submission of the Bid Proposal filed thru Electronic Filing and Payment System (e-FPS) of the BIR and duly validated confirmation as evidence to the tax payments made; 2. Certified true Copy of latest Business Tax Returns regarding VAT or Percentage Tax duly filed thru Electronic Filing and Payment System (e-FPS) of the BIR and duly validated confirmation as evidence to the tax payments made (Filing Reference Number) covering six (6) consecutive months immediately prior to the submission of the Bid Proposal. The Business Tax Return shall either be quarterly, monthly or a combination of both provided that the above requirement is complied.; 3. Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document; 4. Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; 5. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR). *6.* Articles of Incorporation and General Information Sheet (GIS), in case the Bidder has submitted a SEC registration, if applicable; *The latest income and business tax returns are those within the last six months preceding the date of bid submission.* *Failure of the Bidder declared as LCB to duly submit the requirements stated above or a finding against the veracity thereof shall be ground for forfeiture of the bid security and disqualify the Bidder for award.*
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as: 1. construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling. ***(to be submitted by winning bidder only)*** 2. Certificate of Site Inspection issued by the CEZ-Engineering & Maintenance Division. ***(shall be submitted with the Bid)*** *3.* At least two (2) Certificate of Satisfactory Performance for completed projects issued by different contracting clients indicating that is has not incurred delay or

	negative slippage in the performance of its contract supported by accomplishment report and Gantt chart. ***(shall be submitted with the Bid)***

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC,** which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.

5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **SCC** supplemented by any information obtained by the Contractor.

7. Warranty

7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.

7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the **SCC**, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC.**

11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC.** If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the **SCC.**

15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

a. Information that complements provisions of the GCC must be incorporated.

b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is **One Hundred Eighty (180) Calendar Days which shall commence three (3) days from the date of receipt of Notice to Proceed (NTP)**.
4.1	Upon receipt of the Notice to Proceed, the Contractors Representative shall immediately coordinate with the Engineering and Maintenance Division for instruction/briefing prior to implementation.
6	The site investigation reports are: ***Conduct of Site Inspection is strictly required.***
7.2	**The warranty against Structural Defects/Failures:** *In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:* **Fifteen (15) years.**
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within ***ten (10)*** days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is _____ of the contract amount.
13	The amount of the advance payment is *shall not exceed 15% of the total contract price and schedule of payment].*
14	*[If allowed by the Procuring Entity, state:]* Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is _____ *days upon completion].* The date by which "as built" drawings are required is _____ ***upon completion].***
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is _____.

Section VI. Specifications / Scope of Works

(shall be submitted with the Bid)

PROJECT: **REHABILITATION OF POLICE STATION**
LOCATION: **CAVITE ECONOMIC ZONE, ROSARIO, CAVITE**

A. BACKGROUND

The Cavite Economic Zone Police Station was constructed 19 years ago and has provided a system of security and served as a desk for grievances and criminal offenses inside the zone. Over the years, CEZ Police Station has accommodated a significant number of demands for police services. However, other facilities of the station have outdated conditions and insufficient space that may affect its operational efficiency.

The project Rehabilitation of Police Station aims to enhance facilities to expand its services to the increasing number of operations for better police services. This includes the upgrading of essential infrastructure facilities such as structural, electrical, plumbing, mechanical and electronic components of the building to improve its safety and usability.

Moreover, the existing CEZ Police Station houses the newly constructed Surveillance Command Center that monitors the zone's overall security 24/7. It is very vital in considering its infrastructure system whilst on-going construction of the proposed rehabilitation project. Hence, indicated in this Term of Reference are the scope of restoration of facilities of the Police Station in view of existing integral aspects of the building.

The contractor shall be responsible in providing adequate and sufficient methodology in safeguarding the existing structure and facilities approved by CEZ and in coordination with the existing contractor. Any restoration and repair be made other than what are stated in the Scope and Program of Work due to neglect shall be at contractor's expense.

B. GENERAL REQUIREMENTS

1. Scope

- Furnish all materials, labor, equipment, testing and all other facilities for the satisfactory performance of all work necessary for the completion of the project.

2. Mobilization / Demobilization

- Mobilization shall include transportation to the site of contractor's materials, equipment, employees and furnishings and temporary facilities. Demobilization shall include removal from the site of

contractor's materials and equipment and all temporary facilities. Demobilization includes clean-up of the site after completion of the contract work.

3. Temporary Facilities

- The contractor shall apply temporary connection of power and water,
- The contractor shall install temporary fence and enclosure, and
- The contractor shall provide a temporary shelter but shall not be permitted to erect temporary structures inside the zone.

4. Project Billboard

- The contractor shall also install one (1) billboard as per COA circular no. 2013-004, and
- Details area indicated in the approved plans and drawings.

5. Construction Safety and Health

- The contractor shall submit appropriate Construction Safety and Health Program (CSHP) in accordance with DOLE D.O. no. 13, series of 1998. The proposed CSHP shall be approved by DOLE-BWC and shall submit a copy to the Authority,
- The contractor shall provide appropriate personal protective equipment shall not less than quantity indicated in POW (Program of Works). For General Construction Work, the required PPE for all workers shall be safety helmet, safety gloves and safety shoes, and
- Provide proper enclosure and safety and warning signages around the construction site.

6. Documentary Requirements

- The contractor shall submit a complete as-built plan within 30 days upon reaching 95% completion of project,
- As-built plan shall be entirely a new set of drawings (A1 and A3) accurately depicting each and every part of the structures and facilities as actually built to be prepared by the contractor and submitted to PEZA-CEZ,
- All notes, dimensions, material specifications, construction method and other pertinent construction details shall correspond to the actual completed works, and
- No Certificate of Completion shall be issued to the contractor unless As-Built plan has been approved.

C. SITE PREPARATION

1. Demolition and Removal of Existing Structures

- Items for demolition includes walls and fixtures at the existing structure as reflected in the approved plans,
- Items for removal includes the roof and its roofing accessories, ceiling, doors and windows at the existing structure, and
- Existing tiles shall be chipped-off prior to the installation of new tiles.

2. Cutting of Trees

- These include five (5) units of trees: four (4) coconut trees and one (1) mango trees.

3. Hauling of Debris

- Construction debris from the demolition and removal of existing structures shall be hauled outside the zone securing gate pass from the engineering and Maintenance division prior to its disposal, and
- Cut trees shall also be hauled outside the zone provided with gate pass.

D. EARTHWORKS

1. Structural Excavation

- Trenches or foundation pits for structures or structure footings shall be excavated to the lines and grades or elevations shown on the approved plan or as staked by the Engineer.

2. Embankment from Excavation and Compaction

- Backfilling for foundation and elevated areas shall be of good embankment materials and 100% compacted using plate compactor and or other equipment with the same purpose.

3. Embankment from Borrow and Compaction

- Filler materials to be used shall be of good material and free from any foreign materials. The use of plate compactor is a must to attain maximum compaction.

4. Gravel Fill and Compaction

- Use gravel G-3/4 as bedding, properly compacted using plate compactor or tampering rammer and/or other equipment with the same purpose. Thickness of gravel bedding shall be in accordance with the approved plans.

E. TERMITE CONTROL

- Application of termite solution after excavation.

F. CONCRETE WORKS

1. Lean Concrete

- Concrete mix for lean concrete shall be Class B concrete mixture with the proportioning of 1:2 ½:5 such as 1 part cement, 2 ½ parts fine aggregates and 5 parts coarse aggregates.

2. Structural Concrete

- Use 4000 PSI Ready Mixed Concrete G-3/4 pumpcrete design at 28 days for foundation, columns, beams, suspended slab, canopy and stairs,
- Add Sahara Cement mixture to the ready mix concrete to be placed/ poured at the roof deck as an initial waterproofing agent,

- Use 3000 PSI Ready Mixed Concrete G-3/4 ordinary at 28 days for slab on fill, ramp and ledge, and
- Samples shall be taken in every concrete pouring and be subjected to compression test to be submitted to CEZ for verification.

3. Reinforcing Steel Bars

- Reinforcing steel – shall conform to the requirements of ASTM standards for grade 40. Ensure that reinforcement are clean, of the correct dimensions, and properly placed in accordance with approved reinforcement drawing, and
- Random samples shall be taken and be subjected to tensile/ tension test and be submitted to CEZ for verification.

4. Formworks

- Forms for concrete shall be properly laid out and constructed to provide the specified cambers shown on the drawings,
- Ensure forms to be used or reused are clean and form oil is being applied upon installation and construction, and
- Stripping or removal of forms for all structural members shall be carried out following the standard curing period to ensure sufficient strength has been attained.

G. MASONRY WORKS

- Cement – Portland cement shall conform to the requirements of item 700, Hydraulic cement. Type I cement shall be used unless otherwise provided for in special provision,
- Concrete Hollow Blocks - all masonry units comply with the plans and specifications. Load bearing 150mm and 100mm CHB units for masonry with a strength of 12.4 MPA at 28 days,
- Reinforcing steel – shall conform to the requirements of ASTM standards for grade 40, and
- Cement mortar filler for masonry walls shall be a mixture of 1: 3 ratio (cement: sand).

H. STEEL WORKS

1. Steel Trusses, Rafters and Purlins

- Angle Bars to be used for the steel trusses shall conform to ASTM A36 standards,
- Galvanized C-Purlins to be used for roofing works shall conform to ASTM A36 standards,
- Galvanized Tubular Pipes for rafter shall conform to ASTM A36 standards,
- Steel Plates for gusset plate and truss /RC Columns connections shall conform to the ASTM standards,
- Use galvanized tension bolts to be used for steel plate and RC Columns connection,

- Use galvanized turnbuckles and steel rod conforming to ASTM standards,
- Steel connections shall be fully welded: welding electrodes shall be E60xx series, and
- Size and dimension of steel components shall be in accordance with the approved plans and drawings,

2. Stainless Steel Railings

- 304 Stainless steel shall be used in ramp and entrance railings and shall conform to ASTM standards,
- Use stainless railing cup for ramp and entrance,
- Welding electrodes to be used shall be 309 electrode, fully welded and buffed, and
- Use deformed bars for railing dowels and shall conform to ASTM standards.

3. Stair Railings

- Galvanized Tubular Pipes to be used for stair railings shall conform to ASTM standards,
- Use steel plate and galvanized steel screws for slab and G.I Pipe connections,
- Welding rod to be used shall be E60xx series, fully welded and buffed, and
- Size and dimension of railing components shall be in accordance with the approved plans and drawings

I. ROOFING WORKS

1. Pre-Painted Roof Panels

- Use 0.5mm thick pre-painted durarib roofing metal sheet for roof panels,
- Use 2 ½" tekscrew for the roof and C-purlins connection,
- Roof sealant shall be applied on all connections, and
- Use 15mm thick PE foam for roof insulation.

2. Roofing Accessories

- Use 0.5mm thick pre-painted outside gutter for the roof deck roofing,
- Use 0.5mm thick pre-painted ridge roll for roof apex panel connection,
- Use 0.5mm thick end & wall flashing and wall capping, and
- Use 1.5mm thick fascia purlins for roof edges.

J. DOORS AND WINDOWS

1. Doors

- Supply and installation of 6760 mmW x 2400 mmH Fixed Glass Panel using 12mm thick clear tempered glass for Lobby Entrance,
- Supply and installation of 2000 mmW x 2400 mmH Double Swing Door using 12mm thick clear tempered glass on patch fittings with glass door lockset and handle for Lobby Entrance door,

- Supply and installation of 900mmW x 2100 mmH Single Leaf Swing Door using 12mm thick clear tempered glass on patch fittings with glass door lockset and handle for Conference Room, Station Commander's, Investigation, Operation and PVICU Office,
- Supply and installation of 900mmW x 2100 mmH Single Leaf Swing Door using 6mm thick brown tempered glass on analok aluminum frame with locket and handle for exit doors,
- Supply and installation of 1000mmW x 2100 mmH Single Swing Solid Panel Door with wheelchair protector plate, door accessories and stopper for Men and Women's Comfort Room,
- Supply and installation of 900mmW x 2100 mmH Single Swing Solid Panel Door with door accessories and stopper for Pantry, document Storage, Armory and Evidence Room,
- Supply and installation of 900mmW x 2100 mmH Single Swing Solid Panel Door with Glass Transom, door accessories and stopper for Men's and Women's Quarters
- Supply and installation of 800mmW x 2100 mmH Single Swing Solid Panel Door with Fogged Glass, door accessories and stopper for Conference Room and Common Toilet & Bath,
- Supply and installation of 700mmW x 2100 mmH PVC Door with Louver and door accessories for Men's and Women's Quarters Toilet & Bath, and
- Jail steel door shall be retained and secured while construction.

2. Windows

- Supply and installation of 2400mmW x 1200 Sliding with Fixed Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Conference Room, Station Commander's and PVICU office,
- Supply and installation of 2000mmW x 1200 Sliding with Fixed Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Evidence Room and Men's & Women's Quarters,
- Installation of 1800mmW x 1200 Sliding Window re-used from existing with provision of new screen window on aluminum frame and lockset for Operation's Office,
- Supply and installation of 1200mmW x 1200 Sliding Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Men's and Women's Quarters,
- Installation of 1800mmW x 1200 Sliding Window re-used from existing with provision of new screen window on aluminum frame and lockset for Document Storage,
- Supply and installation of 3000mmW x 1000 Sliding with Fixed Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Pantry,
- Supply and installation of 4100mmW x 1250 Fixed Glass Transaction Window using 12mm thick tempered glass with holes on analok aluminum frame for PVICU Office,

- Supply and installation of 1200mmW x 700 Sliding Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Conference Room C.R. and Common Toilet & Bath, and
- Supply and installation of 850mmW x 600 Sliding Window using 6mm thick brown glass on analok aluminum frame with screen window and window lockset for Men's and Women's Quarters Toilet & Bath.

3. Window Blinds

- Supply and installation of Korean Blinds (4 sets) for W-1 window type located at Conference Room, Station Commander's and PVICU Office,
- Supply and installation of Korean Blinds (6 sets) for W-2 window type located at Evidence Room, Men's and Women's Quarters,
- Supply and installation of Korean Blinds (3 sets) for W-3 window type located at Operation's Office,
- Supply and installation of Korean Blinds (2 sets) for W-4 window type located at Men's and Women's Quarters,
- Supply and installation of Korean Blinds (1 set) for W-6 window type located at PVICU transaction window, and
- Color and style shall be subjected for approval prior to delivery and installation.

K. FINISHING WORKS

1. Plain Cement Plaster Finish

- Plain cement plaster shall be applied to the existing textured and newly installed walls as indicated in the approved plans and drawings,
- Cement plaster filler for masonry walls shall be a mixture of 1:3 ratio (cement: sand), and
- Cement plaster shall have a minimum thickness of 12mm to cover the textured wall.

2. Tile Works

- Use 600mm x 1200mm porcelain floor tile finish for Lobby Entrance and Hallways
- Use 600mm x 600mm porcelain floor tile finish for Offices, Conference Room, Evidence Room, Document Storage, Jail, Armory, Pantry, and Waiting Area,
- Use 600mm x 600mm matte porcelain floor tile finish for Stair Balcony and Landing
- Use 300mm x 600mm porcelain wall tile finish for Comfort Rooms and Toilet & Bath,
- Use 300mm x 300mm matte porcelain floor tile finish for Comfort Rooms and Toilet & Bath,
- Use 300mm x 1000mm matte porcelain floor tile finish – grooved for Stairs,

- For tile adhesive application thickness greater than 6mm or for tiles larger than 600mm x 600mm, use the double spreading method on the substrate and back of the tiles,
- Use granite countertop at transaction counter of PVICU office,
- Use 600mm x 1200mm porcelain tiles for the kitchen counter, see approved plans and drawings for the dimension and details,
- Existing tiles shall be chipped off prior to the installation of new tiles,
- Comb mortar in straight manner to allow air release ensuring 100% mortar coverage,
- Spread tile grout mortar and apply pressure to fill joints evenly and uniformly, and
- Floor and wall tiles' color and design shall be subjected for approval prior to installation.

3. Wall Cladding

- Use 3mm thick Aluminum Composite Panel (ACP) for wall cladding on parapet wall (front and left side) of the building as indicated in the approved plans and drawings,
- Use 2950mm x 150mm x 21mm Wood Plastic Composite (WPC) Embossed Panel for front and right wall as indicated in the approved plans and drawings,
- Use aluminum tubulars and angle bars for metal track framing for ACP and WPC panels,
- Use 150mm x 600mm matte stone wall cladding tiles for the entrance as indicated in the plans and drawings,
- Apply sealant and grout evenly and uniformly for panels and stone tiles respectively, and
- ACP, WPC and stone cladding tiles' color and design shall be subjected for approval prior to installation.

4. Waterproofing

- Waterproofing shall be applied to 2nd floor toilet & bath, inside gutter, roof deck and canopy,
- Use two-component flexible cementitious waterproofing membrane consists of cement blend with well-graded fillers and synthetic resin.
- Surface Preparation
    - The substrates must be clean and sound, free of dust and loose particles. Cement laitance, oil, and grease, mold release agents must be removed from concrete surfaces by wire brushing, scrubbing, or by other means. Dampen the substrates prior to application. Seal the corner joints using leak plug or corner tapes.
- Mixing
    - Prepare the slurry by pouring Part A (liquid) into a clean container. Add Part B (powder) slowly into the container while mixing with a slow-speed mechanical mixer until homogeneous and lump-free. Allow the mix to stand for 5 minutes and re-stir manually before use.

- Application
    - A roller and/or paint brush may be used to apply the slurry. Care must be taken to ensure that air is not entrapped in the membrane.
    - Apply the first coat and work generously to fill all the pores and honeycombs. Allow the membrane to dry for approximately 2 to 3 hours before application of the second coat.
    - The second coat must be applied in a crosswise manner to ensure an even coverage. Allow a minimum curing time interval of 15 to 72 hours before laying the screed or performing a ponding test.
    - Should the ponding test exceed 4 hours, a minimum curing time interval of 72 hours is recommended.
    - Coats per interval shall be at least 0.50mm thick

L. CARPENTRY WORKS

- Use 4.5mm thick fiber cement board for plain and recessed ceiling as indicated in the approved plans and drawings,
- Use 3000mm x 200mm x 8mm UPVC Ceiling Panel – Grooved for the Lobby Entrance Ceiling,
- Use 3000mm x 250mm x 8mm UPVC Ceiling Panel – Spandrel for the Canopy and Stair Balcony,
- Provide 600mm x 600mm prefabricated ceiling manhole cover,
- Use 0.5mm thick metal furring and carrying channel for the ceiling framing and support. Refer to the approved plans and drawings for the spacing of metal framing,
- UPVC's color and design shall be subjected for approval prior to installation, and
- Pantry cabinet shall be refurbished from the existing. These shall include replacement of new hardware (hinges and handles) and be reinstalled in the new location in accordance with the approved plans. Paint color subject for approval.

M. PAINTING WORKS

1. Concrete And Masonry

- Ensure clean surface prior to the application of any painting material,
- Apply concrete neutralizer to newly plastered masonry walls and concrete structural members prior to the application of any painting materials,
- Use skimcoat with a minimum thickness of 5mm to smoothen and correct uneven masonry and concrete surfaces,
- Use flat wall latex as primer and semi-gloss latex for the final coating, and
- Paint color to be used shall be subjected for approval prior to application.

2. Ceiling

- Ensure clean surface prior to the application of any painting material,
- Use flat latex paint as primer and acrylic semi-gloss paint as final coating for the installed fiber cement board,
- Apply and provide mesh tape works to fiber cement board connection to cover uneven ceiling termination,
- Apply drywall putty to correct uneven ceiling surface, and
- Paint color to be used shall be subjected for approval prior to application.

3. Steel

- Welded joints and connections shall be buffed properly to attain smooth surface free from excess welding flux,
- Use epoxy primer as primary coating on the steel, and
- Apply quick dry enamel for the final coating, paint color shall be subjected for approval prior to the application.

N. ARCHITECTURAL MISCELLANEOUS WORKS

1. Fit-Out and Furniture

- There shall be a provision of a 10-seater conference table and chair and is subjected for approval prior to delivery,
- Conference Table
    - Worktop : 50mm table thick in High Pressure Laminate (HPL) finish
    - Leg : 50mm table leg with modesty panel support
    - Measurement : 4000mmL x 1200mmW x 750mmH
- Chair
    - Mesh / Chrome Base
    - 600mmL x 530mmW x 1100mmH
- Lobby counter or front desk shall be included, refer to the approved plans and drawings for the details,
- Supply and installation of 4ft x 8ftmm x 6mm thick white tempered glass board at Conference Room, Investigation and Operation's Office,
- Supply and installation of 2ft x 4ft x 6mm thick white tempered glass board at Station Commander's Office,
- Supply of 610mmL x 465mmW x 1820mmH 2-door wardrobe cabinet with drawer,
- Supply of 6-seater dining table,
    - Note : wooden seat or cushion seat
    - Table : 1500mmL x 850mmW x 750mmH
    - Chair : 420mmL x 410mmW x 930mmH
- Use 1" compact board for toilet partition, 2 cubicle – 2 door with 1 divider phenolic compact board, and
- Design and color shall be subjected for approval prior to supply and delivery.

2. Stainless Letters and Logo

- Supply and installation of 400mmH x 2mm thick "POLICE STATION" stainless letters
- Supply and installation of 300mmH x 2mm thick "PHILIPPINE ECONOMIC ZONE AUTHORITY" stainless letters,
- Supply and installation of 300mmH x 2mm thick "CAVITE ECONOMIC ZONE" stainless letters,
- Supply and installation of 500mmD x 2mm thick PEZA stainless logo (colored), and
- Refer to the approved plans and drawings for the location.

O. PLUMBING/SANITARY

1. Plumbing Fixtures

- Plumbing fixtures to be installed shall be of good quality,
- Use white one-piece elongated with skirted trapway, dual flush water closet,
- Use white, wall mount top inlet with spreader urinal with standard flushing,
- Use white, glossy, semi pedestal lavatory for men's and women's quarter toilet and bath,
- Use white, under counter lavatory with vanity cabinet for the comfort rooms at ground floor,
- Use stainless steel inset kitchen sink, double bowl, single tap hole, right drainboard and waste basket strainer,
- Use stainless kitchen sink faucet with pull out sprayer commercial spring sink,
- Use stainless wall mount bath and shower faucet exposed single lever,
- Use bidet stainless steel brush,
- Provision of liquid soap dispenser, stainless tissue holder and soap holder,
- Provision of 3 hook hangers at men's and women's toilet & bath,
- Supply and installation of 1300mmL x 600mmH x 6mm thick facial mirror at Men's and Women's Toilet & Bath 2nd floor,
- Supply and installation of 600mmL x 600mmH x 6mm thick facial mirror for comfort rooms at ground floor,
- Install 32mmD x 600mmL and 32mmD x 1000mmL stainless corner grab bars at comfort room designated for PWD

2. Water Line

- Use polypropylene random copolymer (PPR) pipes in cold water lines and shall conform with PN-20 standards, and
- Sizes are indicated in the plans and drawings.

3. Sewer Line

- Use polyvinyl chloride (PVC) pipe for sewer line class DWV conforming to ASTM D2729 or ISO R-161,

- Existing Sewer lines shall be replaced with new pipes and shall be tapped or connected to the existing septic tank,
- Vent pipes shall be polyvinyl chloride (PVC) pipe conforming to ASTM D2729 or ISO R-161, and
- Sizes are indicated in the plans and drawings.

4. Downspout/ Storm Drainage

- Use polyvinyl chloride (PVC) pipe class DWV conforming to ASTM D2729 or ISO R-161, and
- Sizes are indicated in the plans and drawings.

5. Catch Basin

- Catch basins shall use 100mm non load bearing concrete hollow blocks, class B cement mortar ratio with a proportioning of 1:3 such that 1 part cement and 3 parts sand,
- Catch basins shall be cement plastered with a minimum of 12mm thickness,
- Reinforced concrete cover with frame shall be used for catch basin cover as indicated in the plans, and
- Sizes are indicated in the plans and drawings.

P. MECHANICAL WORKS

1. Installation of 3 Units Inverter Type Air Conditioner

- Supply of labor, materials for installation of brand new 3 units 2.5 Hp Wall Mounted Full DC Inverter Type ACU's for Investigation, Operation and PVICU Office,
- Include suction line, discharge line w/ oversize insulation, control wire, feeder line and drain lines,
- Drain line with wall chipping to floor chipping,
- Service cost, test run and commissioning
- Specification: Full DC Inverter Type ACU's, single phase, blue pins evaporator and Condenser, R-410A refrigerant
- Warranty for brand new ACU's: 12 years for compressor, 3 years for PCB's and 1 year for parts and service,

2. Re-installation of Existing Floor Mounted ACU

- Supply of labor and materials for the installation of the existing 3TR ACU floor mounted inverter type at the conference room. Existing ACU will be supplied CEZ,
- Materials shall include suction line, discharge line w/ oversize insulation, control wire, feeder line and drain lines,
- Drain line with wall chipping to floor chipping
- System reprocess (leak testing , flushing vacuuming etc.)
- Charging of freon gas, and
- Service cost, test run and commissioning

3. Dismantling and Reinstallation of Existing 5TR ACU

- Existing 5TR ACU at the lobby, wall mounted ACU at investigations and PVICU office, shall be dismantled and kept for safe storage. These shall be reinstalled upon completion of architectural works in the lobby, and
- Existing wall mounted ACU at the station commander's office shall be relocated.

Q. ELECTRONIC WORKS

1. Fire Detection and Alarm System

- The specification includes the furnishing of labor, tools and materials, installation, roughing-ins, connection and testing of equipment necessary for the complete, usable and intelligent reporting fire alarm system. It shall include, but not be limited to, Fire Alarm Control Panel (FACP), alarm initiating devices (detectors, manual fire alarm station), alarm notification appliances (sounder strobe), and wiring as shown on the drawings and specified herein.

a.) **Fire Alarm Control Panel (FACP)**: 4-Zone Conventional Class B, Operating Voltage: 24V VDC Primary AC: 220-240 V-AC at 60Hz. System panel shall be neat, compact, factory wires assembly containing all components and equipment required to provide all specified operating and supervisory functions of the system. Panel cabinet shall be finish and shall have prominent rigid plastic or metal identification plates for all lamps, switches and zones.

b.) **Heat Detectors with base**: Simple and reliable without mechanical switches with Operating Voltage of 24 VDC and must be compatible with FACP model. Detector shall be sealed and automatically resetting type which will operate when ambient air temperature reaches detector setting or rate of temperature rise.

c.) **Smoke Detectors with base**: It shall be photoelectric type with base for detection of abnormal smoke densities by the photoelectric principle with Operating Voltage of 24 V DC and must be compatible with FACP model. Each detector shall contain an alarm lamp which shall illuminate when the detector is activated into an alarm condition.

d.) **Fire Alarm Notification Devices (Sounder Strobe)**: Surface mounted Strobe sounder shall operate at **24V DC type** and produce a sound output rating of at least **80dBA** and operate with a luminous intensity of 110 candelas (cd)

e.) **Manual Fire Alarm Stations**: Non-coded type with mechanical reset features manual pull station shall be surface mounted or semi-flush style and shall be installed in cast surface mounted boxes. Exterior mounted stations shall be weatherproof. Each manual station shall be provided with key switch/reset control to abort alarm conditions.

- The fire alarm system shall comply with requirements of NFPA 72 Standard or Philippine Electrical Code/Electronics and Communication Code except as modified and supplemented by this specification.
- Wiring: All wiring shall be new and in accordance with the local, state and national codes (e.g., NEC Article 760) and as recommended by the manufacturer of the fire alarm system. Wire for 220V circuits shall be a minimum of 3.5 mm2. Wire for low voltage DC circuits shall be not less than 16 AWG.
- All items of instrument shall be completed in all respects and any instrument not covered in the specification but essential for proper installation, operation and maintenance of the instrument shall be included.
- Installation shall be in accordance with NEC, NFPA 72, local and state codes, and as recommended by the major equipment manufacturer.
- All conduit, junction boxes, conduit supports and hangers shall be concealed in finished areas unless otherwise specified.
- All fire detection and alarm system devices and control panel shall be flush mounted when located in finished areas and may be surface mounted when located in unfinished areas.
- Manual fire alarm stations shall be suitable for surface mounting or semi-flush mounting and shall be installed 1400mm above the finished floor.
- Instruction shall be provided as required for operating the system. Hands-on demonstrations of the operation of all system components and the entire system including program changes and functions shall be provided.
- The service of a competent, factory-trained engineer or technician shall be provided to technically supervise and participate during all of the adjustments and tests for the system. All testing shall be in accordance with NFPA 72, Chapter 7.

2. Telephone and CCTV System

a. Telephone System

- Supply and delivery of the ff. equipment and all necessary additional accessories needed for the rehabilitation of telephone lines for Voice distribution, including copper backbone link to CEZ Police Station
    i. Cat5e UTP Cable
    ii. RJ 11 Cable
    iii. Faceplates and Voice Outlet
    iv. Telephone Modular Box
    v. Other accessories (connectors, adhesives, cable ties, fasteners, boxes etc.)
- Laying of telephone cables through PVC pipes and plastic/floor molding up to termination to voice outlets indicated in the drawing and as per approved cable route.
- Follow cable installation guidelines:
    i. Cables shall be terminated with connecting hardware of the same category (compatibility check)

ii. In ceiling and walls, cable must be fed into PVC pipe and moldings carefully to avoid cable abrasion, scuffing and scraping) on edges. Run cables at a constant "altitude" to reduce bends and turns. Pull Cables with steady tension, avoid jerking and forcing.
iii. Chipping and excavation works for cable passage on the floor.
iv. Avoid tightly cinched cable bundles

- Voice Outlet must have good line continuity reading, tagged and labeled correctly.
- Pullout of worn-out existing cables must be done once the new cable route is completed and ready for termination. All pulled out cables must be endorsed to the project proponent.

b. CCTV System

- Supply and delivery of the ff. equipment and all necessary additional accessories needed for the rehabilitation of existing CCTV System covering the Police Station and Dormitory Perimeter.
  i. Cat6e Outdoor Cable
  ii. Other accessories (connectors, adhesives, cable ties, fasteners, boxes etc.)
- Follow cable installation guidelines:
  i. Cables shall be terminated with connecting hardware of the same category (compatibility check)
  ii. In ceiling and walls, cable must be fed into PVC pipe and moldings carefully to avoid cable abrasion, scuffing and scraping) on edges. Run cables at a constant "altitude" to reduce bends and turns. Pull Cables with steady tension, avoid jerking and forcing.
  iii. Chipping and excavation works for cable passage on the floor.
  iv. Avoid tightly cinched cable bundles
- CCTV Cabling must have good line continuity reading, tagged and labeled correctly.

  Pullout of worn-out existing cables must be done once the new cable route is completed and ready for termination. All pulled out cables must be endorsed to the project proponent

3. LAN and Structured Cabling

Special Condition: Equipment subject for dismantling and reinstallation are under warranty with Trends and Technologies, Inc. (Contractor of IT Equipment) until June 2025, once unit/s are dismantled and/or relocated without TTI's consent which may result in damage or device malfunction during the warranty period.

ACCESS POINTS	
Quantity	One (1) unit
Features / Specifications	· At least has 4x4 MIMO with four spatial streams
	· Supports 20- and 40-MHz channels

	· Supports Packet aggregation
	· Supports 802.11 dynamic frequency selection (DFS)
	· Supports Power Over Ethernet (POE)
	· Supports 802.11n version 2, 802.11ac, 802.11ax
	· Supports Wireless Controller
Components to be Included	· Access Point should have bundled Access Point License

STRUCTURED CABLING SYSTEM	
For Access Points	To use Category 6 UTP cable and components for horizontal cable distribution with homerun to existing Server Room located at the 2nd Floor of Admin Building
Fiber Optic Cable Backbone	To use 6-Core OM3 multimode fiber cable from Server Room at Admin Building to CEZ Police Station IDF, terminated on a fiber patch panel on both ends
Roughing-ins	To use PVC conduits for all cable layouts from Access Point location up to Server Room as home run
	To do chipping and excavation works for cable passage and routing purposes and shall be restored upon completion of task

4. Dismantling and Reinstallation of Command Center Video Wall

Special Condition: Equipment subject for dismantling and reinstallation are under warranty with Annex Digital, Inc. (Contractor of Surveillance System) until June 2025, once unit/s are dismantled and/or relocated without ADI's consent which may result in damage or device malfunction during the warranty period.

- All the required accessories, tools and instruments must be present on-site and working properly for the dismantling and reinstallation activity respectively.

- Conduct proper dismantling methods while in the reinstallation process, arrange LCD panels according to the manufacturer's specifications and recommendations for optimal viewing angles and seamless image continuity. Use precise measurements and alignment tools to ensure panels fit together tightly without visible gaps or misalignment.

- Install power supplies according to the specifications provided by the video wall manufacturer. Ensure sufficient power capacity and proper grounding to prevent electrical issues and signal interference.

- Conduct thorough testing of each LED panel, pixel calibration, color consistency checks, and video playback to ensure uniformity and quality across the entire video wall. Adjust settings for brightness, contrast, and color balance to match the viewing environment and content requirements.

- In the event that during the performance of dismantling and reinstallation activity, the contractor's personnel incur damages on any of the equipment, the CONTRACTOR is liable to replace if major breakdown occurs or joint inspection shall be undertaken to actually determine the extent of damage.

R. ELECTRICAL WORKS

1. All electrical works shall be in accordance with the provisions of the latest edition of the Philippine Electrical Code, the laws and ordinances of the local code, enforcing authorities and the requirements of the local power utility companies.
2. The contractor shall furnish the owner through the engineers, final Certificate of Electrical Inspection for energization of the buildings and approval from proper government authorities for completion of work.
3. All electrical works herein included shall be executed by experienced men under supervision of full time licensed electrical engineer. Works shall be neatly placed, securely and properly finished.
4. All materials to be used shall be new and installed in applications for which they are intended.
5. Upon completion of electrical works, the following tests shall be performed by the contractor inclusive of the installation to be reported in details and signed by qualified electrical practitioner.
    - Insulation resistance test
    - Phase sequence test
    - Phase balancing test
    - Functional test
    - Voltage test

6. **Materials & fixtures are subject to approval prior to installation**

7. **Retrieval of all equipment, electrical wirings, fixtures and other usable materials should be surrendered to PEZA property custodians.**

8. Lighting & Special Lighting Fixture

- LED Decorative Ceiling Light, Tri-Color (18-25watts)
- LED Decorative Ceiling Light, Tri-Color (20-30watts)
- LED Dining room Decorative Pendant/Drop Light, Tri-Color, 3 - E27 Bulb (20-30watts)
- LED Panel, Backlit Recessed, 1200x300mm, Daylight (40watts)
- LED Glass, Recessed Downlight, Daylight (9watts)
- LED Recessed Downlight, Daylight (15watts)
- LED Recessed Downlight, Daylight (18watts)
- LED Outdoor, Surface Mounted, Downlight (12watts)
- LED Recessed Downlight, Daylight (3watts)
- LED Glass Recessed Downlight, Daylight (6watts)
- LED Recessed Rec. 2-head, Downlight, Daylight (6watts)
- LED Flood Light, Daylight (50watts)
- LED Strip Light w/ Tubing (Warm white) 8-11watts
- LED Strip Light w/ Tubing (Daylight) 8-11watts
- LED Strip Light converter
- Weatherproof Fluorescent Fixture for 2-1200mm Tubular LED
- LED T8 Tube, Daylight, Single-ended (15watts)

- The contractor shall hand in spares of LED lighting for immediate replacement in case of defects.
    - LED Panel, 1200x300mm, Daylight (40watts) – 2 Pieces
    - LED Glass, Recessed Downlight – 5 Pieces
    - LED Recessed Downlight, Daylight (15watts) – 3 Pieces
    - LED Recessed Downlight, Daylight (18watts) – 2 Pieces
    - LED Outdoor, Surface Mounted, Downlight (12watts) – 5 Pieces
    - LED Recessed Downlight, Daylight (3watts) – 1 Piece
    - LED Glass Recessed Downlight, Daylight (6watts) – 1 Piece
    - LED Recessed Rec. 2-head, Downlight, Daylight (6watts) – 1 Piece
    -

9. Fans, Conduit Piping, Ducting, Boxes, Fittings & Wiring Devices

- 60cm Range Hood (w/ piping), 3-Speed Push Button, Extraction Capacity: 250m³ / hr.
- Orbit Fan and Wall Fan, 16”
- Exhaust Fan, Ceiling Type, 8”, 10”, & 16”
- Orbit & wall fans are connected to the circuit of nearest convenience outlet.
- PVC ducting for exhaust shall be hanged inside with galvanized pipe hanger strap
- All Conduit Pipes Shall Be PVC And RSC For Service Entrance Except As Noted On The Plans And Specifications. Refer To Specification For Installation Requirement.

- Minimum Size Of Conduit Shall Be 20 Mm Diameter.
- All conduit shall be concealed unless specifically shown or noted otherwise. Exposed conduit runs shall be installed and protected against damages by the entrance of water and parallel to or perpendicular with the building line and supported by conduit clamps.
- Pull boxes shall be provided by the contractor whenever necessary to facilitate wire pulling even if these are not indicated on the plans.
- For boxes with more than four wires entering, Use 0.10 M X 0.10 M Square Box with one adapter ring. (Typical for Receptacle Boxes)
- Exhaust fan shall be tapped to the lighting switch of the room
- All convenience outlet circuits shall have grounding system.
- Mounting height of devices shall be as approved by engineer of PEZA and /or as follows.
    - PANEL BOARD -1800mm above finished floor level on top of panel (actual site condition must prevail)
    - WALL SWITCHES - 1400mm above finished floor level to center of devices
    - POWER OUTLET - 300mm above fished floor level to center of box
    -

10. Electrical Wirings

- Single conductor insulated THHN thermoplastic shall be used. The minimum size of wires shall be 3.5mm THHN for all lighting and power.
- All wires shall be inside the conduits. Unless otherwise specified.
- All wires and cables shall be UL-listed, or approved equal and shall have color coded as national electrical code.
    - LINE 1 – BLACK
    - LINE 2 -RED
    - LINE 3 – BLUE
    - GROUND – GREEN

11. Panel boards

- Panel boards shall be properly and adequately grounded.
- Provision of ground rod (minimum of 1/2" dia. X 8' length) for MDP and ECB panel with insulation rating below 5 ohms
- ACU Outdoor units shall have individual breaker with NEMA-3R enclosure.

S. <u>OTHERS</u>

All items removed and retrieved from the existing building shall be turned over to PEZA-CEZ

T. DURATION OF PROJECT

- The completion of the project shall be a period of One Hundred Eighty (180) calendar days which shall commence three (3) days from the date of receipt of Notice to Proceed (NTP).

I hereby certify to comply and deliver all the above requirements:

Signature over Printed Name of Representative	:	_____
Company/Bidder	:	_____
Address	:	_____
Tel No./E-mail Address	:	_____
Date	:	_____

TERMS OF REFERENCE

(shall be submitted with the Bid)

BACKGROUND:

The PEZA CEZ is to engage a qualified contractor for the **REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE** (CEZITB 2024-10-010).

1. CONTRACT DESCRIPTION

Project Name	**REHABILITATION OF POLICE STATION**
Approved Budget for the Contract (ABC)	**₱15,222,826.67**
Location	**Cavite Economic Zone**
Project In-charge	**Engr. Sharamay S. Navarro, Civil Engr.** Engineering and Maintenance Division (EMD)

2. OBJECTIVE OF THE TERMS OF REFERENCE (TOR)

2.1. To provide a piece of background information regarding the preparation and submission of bid proposal to the PEZA-CEZ;

2.2. To provide a piece of background information regarding the proposed Project which should be handled at the lowest possible cost, acceptable quality and performance, and in the shortest possible time the bidder has to offer;

2.3. To outline and summarize the "Scope of Work" of the Contractor that has to be performed under the terms of its Contract with the PEZA-CEZ

2.4. To provide penalties in case of breach of the Contractor's obligations

3. ROLE OF THE CONTRACTOR

3.1. The Contractor shall supply labor, tools, materials, and equipment necessary for the project. In this regard, the Contractor or the key personnel to be assigned must have professional experience compatible with the undertaking as stipulated in ITB Clause 10.4 of the Bid Data Sheet.

3.2. The Contractor at all times should refer to the Engineering and Maintenance Division thru **Engr. Sharamay S. Navarro** regarding corrections, plans and specifications, and quality control requirements of the Project;

3.3. The Contractor shall assign to its designated project engineer to prepare daily construction logbook.

3.4. The Contractor shall also implement the construction activities to complete the Project following the approved construction drawings and specifications and the scope of work as specified in the Contract;

3.5. Construction Phase should be completed within forty-five (45) calendar days which shall commence three (3) days from the date of receipt of Notice to Proceed.

4. GENERAL CONDITIONS

4.1. Designate one (1) Project Engineer who shall work full time during the Contract's construction period/duration. He shall be in charge of the construction work and is expected to perform the following:

a. Document, schedule, oversee and monitor the day-to-day construction works.
b. Coordinate, address, and resolve all concern/s of nearby buildings and structures relative to the construction and related services required.
c. Keep close coordination with the EMD during project implementation and submit a progress report as required.

4.2. Construction foreman, skilled workers and enough construction personnel should be deployed in the construction site during the implementation of the project.

5. PROJECT IMPLEMENTATION/CONSTRUCTION PHASE

5.1. ENGINEERING SUPPORT SERVICES.

The Contractor shall carry out and complete all items of work following the approved plans and specifications. The work shall be in accordance with approved samples. Materials and articles installed or used without such approval shall be at the risk of subsequent rejection.

The contractor shall request a site inspection and approval from the PEZA Project Engineer or authorized representative before any concrete pouring activity shall be made.

5.2. WORKER'S BARRACKS

The contractor shall provide offsite accommodation/barracks for workers at his own expense.

5.3. PROGRESS REPORTS.

The Contractor shall prepare weekly and monthly accomplishment reports supported with progress photographs and S-Curves to monitor actual progress to be submitted to the EMD which shall be used as basis for progress billing.

5.4. WATER AND ELECTRICITY.

The Contractor shall install a temporary power and water connection in the construction sites and shall shoulder and pay the actual amount of water and electricity bills based on their usage at the prevailing rate. During concrete pouring, the contractor shall provide own water supply.

5.5. SANITARY, SAFETY AND HEALTH

- The Contractor shall provide portable toilet and other approved equivalent for proper hygiene and sanitation.

- Complete basic Personal Protective Equipment should be provided by the contractor to all its personnel in the construction site.
- Health and safety protocols should be implemented to minimize the risk of spreading transmissible diseases.

5.6. TURN-OVER OF PROJECT.
The Contractor shall adequately address and comply with the final punchlist issued by the EMD before the Turn-over and Acceptance of the completed Project.

6. PROVISIONS FOR STORAGE & MATERIAL HANDLING

6.1. Area for temporary facilities, storage, and temporary staging area for construction materials will be designated by the procuring entity. It shall be kept neat and clean at all times. Any damage to that or the surrounding area arising from any accident shall be repaired and/or restored to its original condition. Likewise, extra care shall be taken in the storage of hazardous chemicals and/or equipment to avoid accidents, explosions and/or fires.

6.2. Provisions for securing and safekeeping of stored materials, tools, and equipment during the construction project shall be for the Contractor's account

6.3. When called for by PEZA, the Contractor shall furnish, for approval, full information and satisfactory evidence as to the kind and quality of materials or articles to be incorporated in the work. The Contractor shall furnish, for PEZA's approval, all samples when so directed.

7. CLEARING OF SITE

The Contractor shall clean the whole area by removing debris, discards, concrete laitance and shall leave the entire premises free from rubbish caused by their work to the satisfaction of the CEZ EMD at no extra cost.

Regular disposal of construction debris, dismantled unusable materials is required to prevent accumulation.

8. WARRANTIES OF THE CONTRACTOR

8.1. The Contractor warrants that it shall conform strictly to the terms and conditions of these Terms of Reference.

8.2. The Contractor warrants represent and undertake the service's reliability and that their workforce complements are hardworking, qualified/reliable, and dedicated to doing the service required to the satisfaction of the procuring entity. It shall employ well-behaved and honest employees.

8.3. The Contractor's personnel shall take all necessary precautions for the safety of all persons and properties at or near their area of work and shall comply with all the standard and established safety regulations, rules and practices.

8.4. The Contractor shall be liable for any loss, damage, or injury due directly through its personnel's fault or negligence. It shall assume responsibility thereof, and the Contractor shall be liable from any liability arising from that place.

9. TERMS OF PAYMENT

9.1. The Contractor, upon a written request, may be granted an advance payment in an amount not exceeding fifteen percent (15%) of the total contract price. The advance payment shall be made only upon the submission to and acceptance by the procuring entity of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the procuring entity.

9.2. The Contractor shall collect payment on progress billings based on the percentage of work accomplished, within a reasonable time from submission of all the required documents i.e. statement work accomplished (SWA) or progress billing, subject to the applicable tax rules and ten percent (10%) retention fund.

9.3. The retention fund shall be released only upon issuing Certification of Final Acceptance issued by the Head of the Procuring Entity and submission by Contractor of Post-Construction Documentation.

9.4. Payments shall be made within a reasonable time from the submission of the required documents based on existing applicable laws.

9.5. The percentage of completion of work shall be subject to review and evaluation by the CEZ EMD.

10. PRE-TERMINATION OF CONTRACT

10.1. The Contract for the **Asphalt Overlay along South Avenue – 1st Phase at the Cavite Economic Zone** may be pre-terminated by the PEZA CEZ upon notice of any violation of the Contract's terms. In the case of pre-termination, the Contractor shall be notified of such termination.

10.2. In the pre-termination case, the Contractor shall be liable to additional liquidated damages which shall be at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay as provided in Sec 68 of the RIRR of RA9184 and forfeiture of the Performance Security.

10.3. The PEZA-CEZ shall have the right to blacklist the Contractor in case of pre-termination.

Signature over Printed Name of Representative : _____
Company/Bidder : _____
Address : _____
Tel No./E-mail Address : _____
Date : _____

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

TABLE OF CONTENTS

ARCHITECTURAL

A - 1	VICINITY MAP
	PERSPECTIVE
A - 2	SITE DEVELOPMENT PLAN
A - 3	EXISTING FLOOR PLAN
A - 4	GROUND FLOOR PLAN
A - 5	SECOND FLOOR PLAN
A - 6	ROOF DECK FLOOR PLAN
A - 7	ROOF PLAN
A - 8	FRONT ELEVATION
A - 9	REAR ELEVATION
A - 10	RIGHT SIDE ELEVATION
A - 11	LEFT SIDE ELEVATION
A - 12	SECTION THRU X-1
A - 13	SECTION THRU X-2
A - 14	SECTION THRU Y-1
A - 15	SECTION THRU Y-2
A - 16	GROUND FLOOR REFLECTED CEILING PLAN
A - 17	SECOND FLOOR REFLECTED CEILING PLAN
A - 18	CEILING CONNECTION DETAIL
A - 19	SCHEDULE OF DOORS
A - 20	SCHEDULE OF WINDOWS
A - 21	DEMOLITION PLAN
A - 22	SCHEDULE OF FLOOR FINISHES
A - 23	SCHEDULE OF WALL FINISHES
A - 24	MEN'S & WOMEN'S REST ROOM PLAN/ SECTION
	PHENOLIC BOARD PARTITION PLAN/ ELEVATION
	COMFORT ROOM PLAN
A - 25	CONFERENCE ROOM REST ROOM PLAN/ ELEVATION
	QUARTER'S TOILET & BATH PLAN/ ELEVATION
A - 26	ROOF DECK LANDING/ BALCONY PLAN
	2ND FLOOR LANDING/ BALCONY PLAN
	STAIR SECTION
A - 27	RAMP RAILINGS PLAN/ SECTION
A - 28	FURNITURE LAYOUT
	STAINLESS LETTER AND LOGO DETAILS
	FRONT DESK DETAIL
A - 29	PROJECT BILLBOARD DETAIL

STRUCTURAL

S - 1	GENERAL NOTES
S - 2	FOUNDATION PLAN
S - 3	DETAILED SECTION OF RC FOOTING
S - 4	SCHEDULE OF FOOTING
	DETAILED SECTION OF RC FOOTING
S - 5	GRADE BEAM (TIE BEAM)
	FRAMING PLAN
S - 6	SCHEDULE OF GRADE BEAM
	TYPICAL DETAIL OF TIE BEAM
	TIE BEAM SECTION
	DETAIL AND LOCATION OF TB
	WALL FOOTING DETAIL
S - 7	COLUMNIZATION PLAN
S - 8	DETAIL OF COLUMN C1
	DETAIL OF COLUMN C2
S - 9	DETAIL OF COLUMN C5
	DETAIL OF COLUMN C4
	DETAIL OF COLUMN C6
S - 10	DETAIL OF COLUMN C3
	DETAIL OF SERVICE ENTRANCE
S - 11	SCHEDULE OF COLUMNS
S - 12	SECOND FLOOR FRAMING PLAN
S - 13	SECOND FLOOR BEAM SCHEDULE
S - 14	TYPICAL DETAIL OF BEAM/ GIRDER
	SECOND FLOOR SLAB SCHEDULE
S - 15	BOTTOM REINFORCEMENT PLAN
S - 16	TOP REINFORCEMENT PLAN
S - 17	SECTION 3-7 (CANOPY)
	SECTION X-X
	SECTION V-V
	SECTION Y-Y
	SECTION Z-Z
S - 18	ROOF DECK FLOOR FRAMING PLAN
	ROOF DECK BEAM SCHEDULE
	TYPICAL DETAILS OF ROOF DECK BEAM
S - 19	ROOF DECK SLAB PLAN
	SECTION THRU F1' TO K1'
	ROOF DECK SLAB SCHEDULE
S - 20	SECTION THRU F1' TO F4
	ROOF DECK TOP REINF. PLAN
	ROOF DECK BOT. REINF. PLAN
S -21	STEEL TRUSS 1 DIAGRAM
	STEEL HALF TRUSS (HT-1) DIAGRAM
	TRUSS & PLATE CONNECTION (DETAIL SECTION)
	TRUSS & PLATE CONNECTION (PLAN DETAIL)
S - 22	UPPER ROOF FRAMING PLAN
	TYPICAL PLAN OF RAFTER TYPE
	TYPICAL DETAILS OF RAFTER
S - 23	STAIR BLOW UP DETAIL
	BLOW UP DETAIL 1
	LEDGE DETAIL
S - 24	GROUND - 2ND FLOOR LEVEL
	2ND FLOOR - ROOF DECK LEVEL
	LANDING TO ROOF DECK
	STC-1 DETAIL
	STB-1 DETAIL

ELECTRICAL

E - 1	GENERAL NOTES
	ELECTRICAL PEDESTAL POLE LOCATION
	GROUNDING DETAILS
	ELECTRICAL LEGENDS/ SYMBOLS
E - 2	GROUND FLOOR CEILING DETAILS LAYOUT
	SECOND FLOOR CEILING DETAILS LAYOUT
E - 3	GROUND FLOOR LIGHTING LAYOUT
E - 4	GROUND FLOOR LIGHTING LAYOUT
E - 5	SECOND FLOOR LIGHTING LAYOUT
	ROOF DECK LIGHTING LAYOUT
E - 6	GROUND FLOOR POWER LAYOUT
E - 7	SECOND FLOOR POWER LAYOUT
	ROOF DECK POWER LAYOUT
E - 8	GROUND FLOOR EMERGENCY/ EXIT LIGHT & EXHAUST LAYOUT
E - 9	SECOND FLOOR EMERGENCY/ EXIT LIGHT & EXHAUST LAYOUT
	ROOF DECK EMERGENCY/ EXIT LIGHT & EXHAUST LAYOUT
E - 10	GROUND FLOOR AIR CONDITIONING LAYOUT
E - 11	SINGLE LINE DIAGRAM
	SCHEDULE OF LOADS

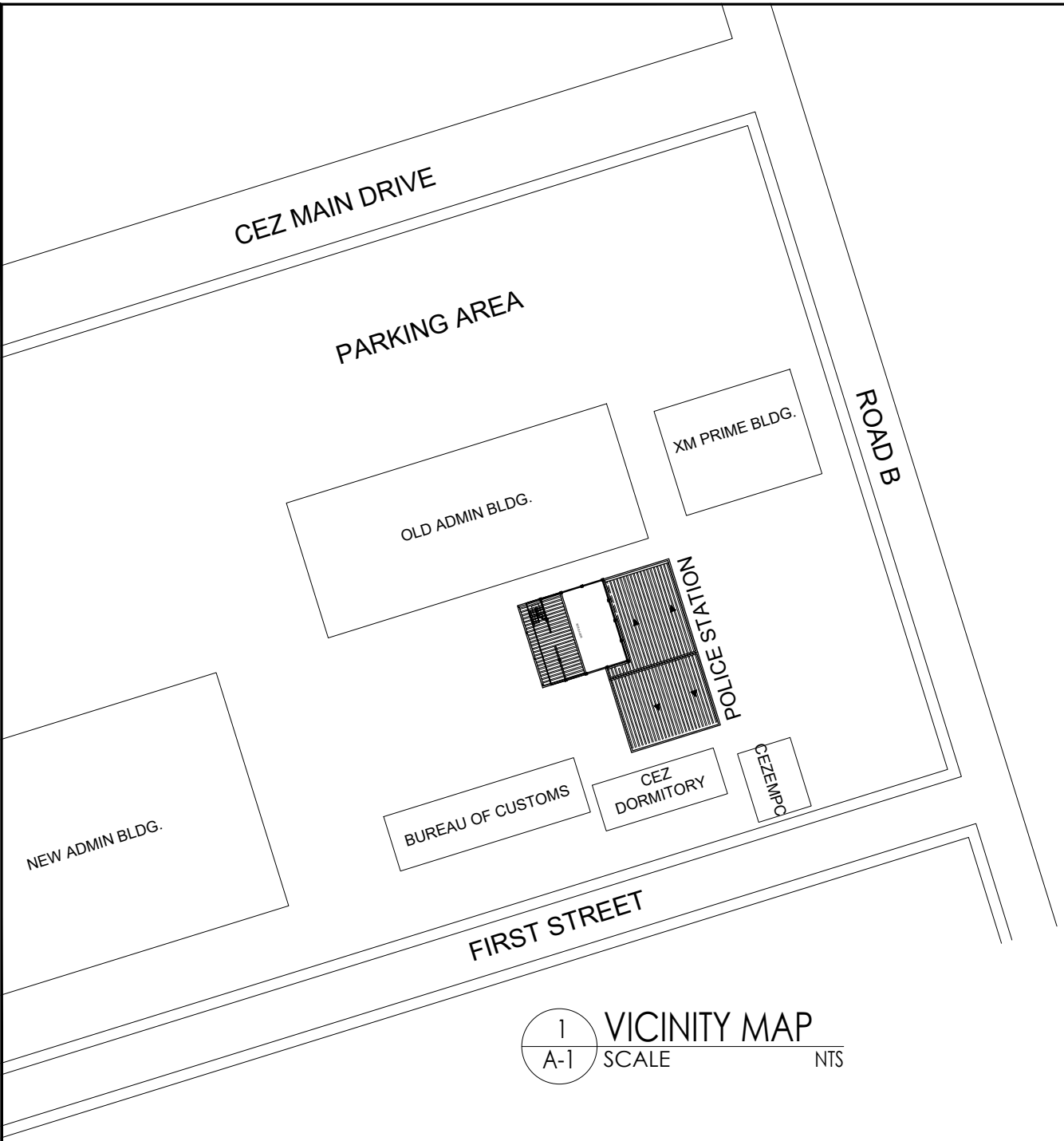
ELECTRONICS

EL - 1	TELEPHONE AND CCTV LAYOUT
EL - 2	LAN AND STRUCTURED CABLING
FDAS - 1	GROUND FLOOR DEVICE LAYOUT
FDAS - 2	SECOND FLOOR DEVICE LAYOUT
FDAS - 3	RISER DIAGRAM

PLUMBING

P - 1	GROUND FLOOR WATER LINE LAYOUT
P - 2	SECOND FLOOR WATER LINE LAYOUT
P - 3	ROOF DECK WATER LINE LAYOUT
P - 4	GROUND FLOOR SEWER LINE LAYOUT
P - 5	SECOND FLOOR SEWER LINE LAYOUT
P - 6	ROOF DECK SEWER LINE LAYOUT
	CATCH BASIN PLAN
	CATCH BASIN SECTION
P - 7	WATER LINE ISOMETRIC LAYOUT
P - 8	SEWER LINE ISOMETRIC LAYOUT

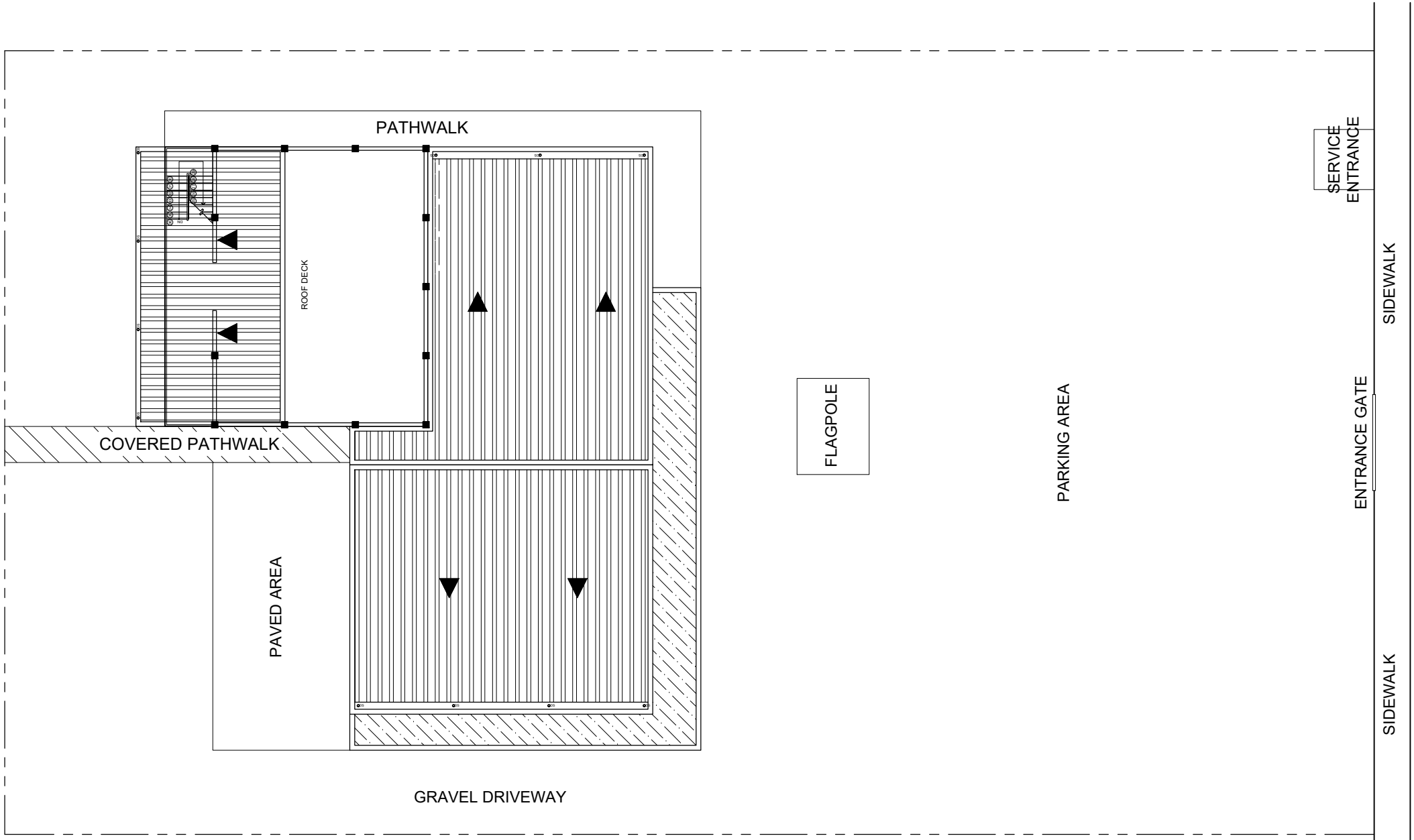
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	TABLE OF CONTENTS	A'



1 / A-1 VICINITY MAP
SCALE NTS

2 / A-1 PERSPECTIVE
SCALE NTS

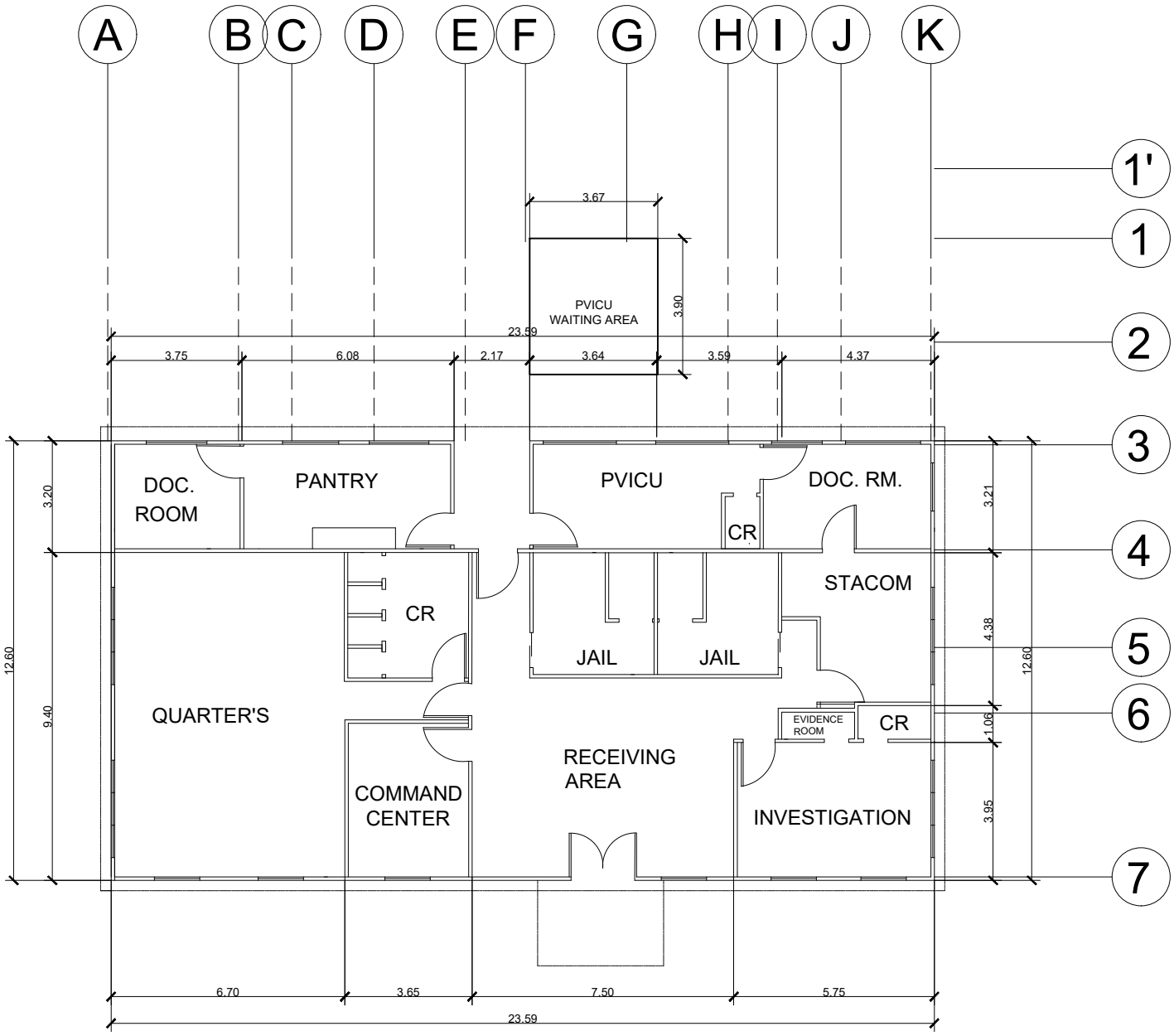
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	VICINITY MAP PERSPECTIVE	A - 1



1 / A-2 SITE DEVELOPMENT PLAN

SCALE NTS

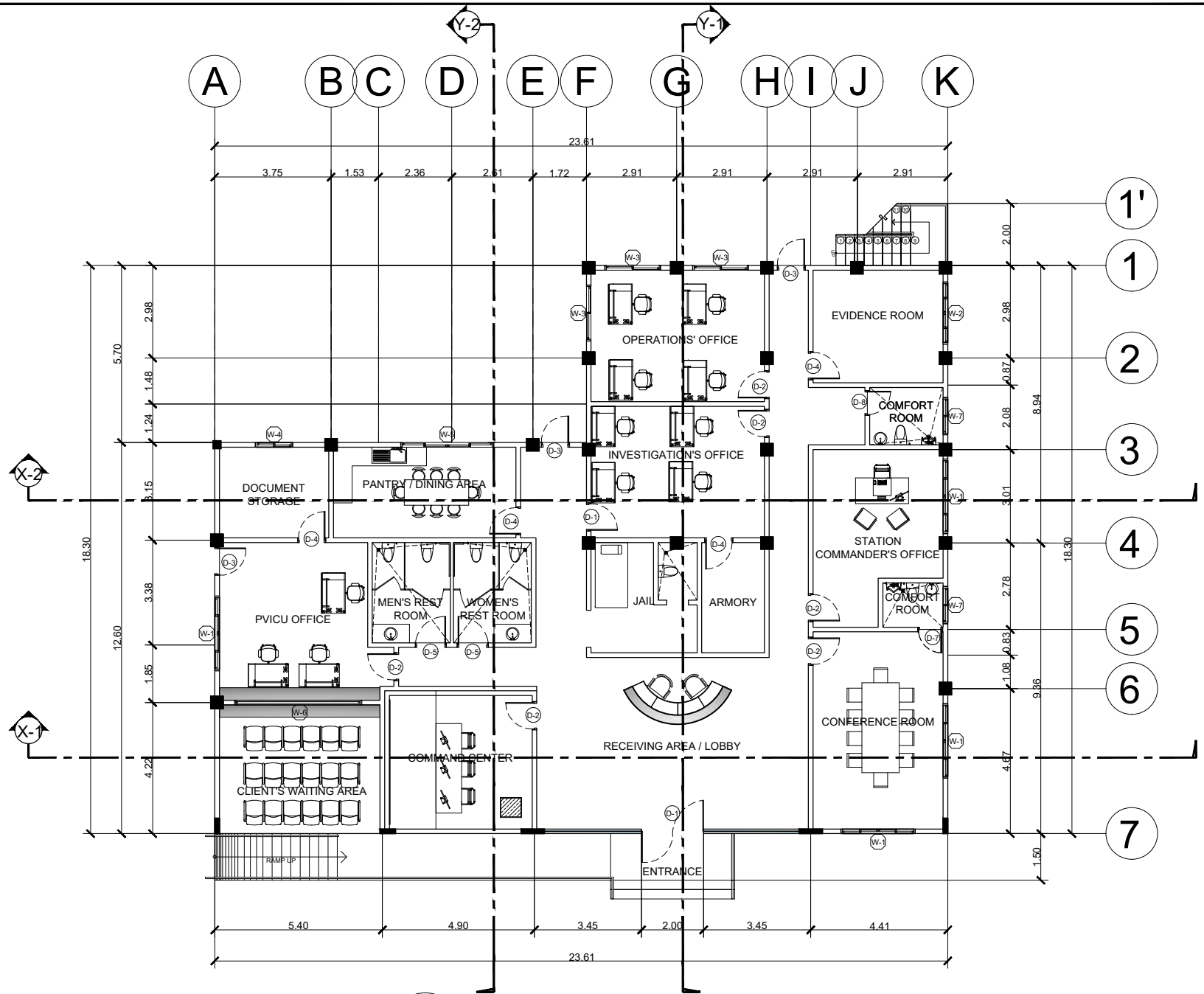
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SITE DEVELOPMENT PLAN	A - 2



1 EXISTING FLOOR PLAN

A-3 SCALE 1:100 MTS

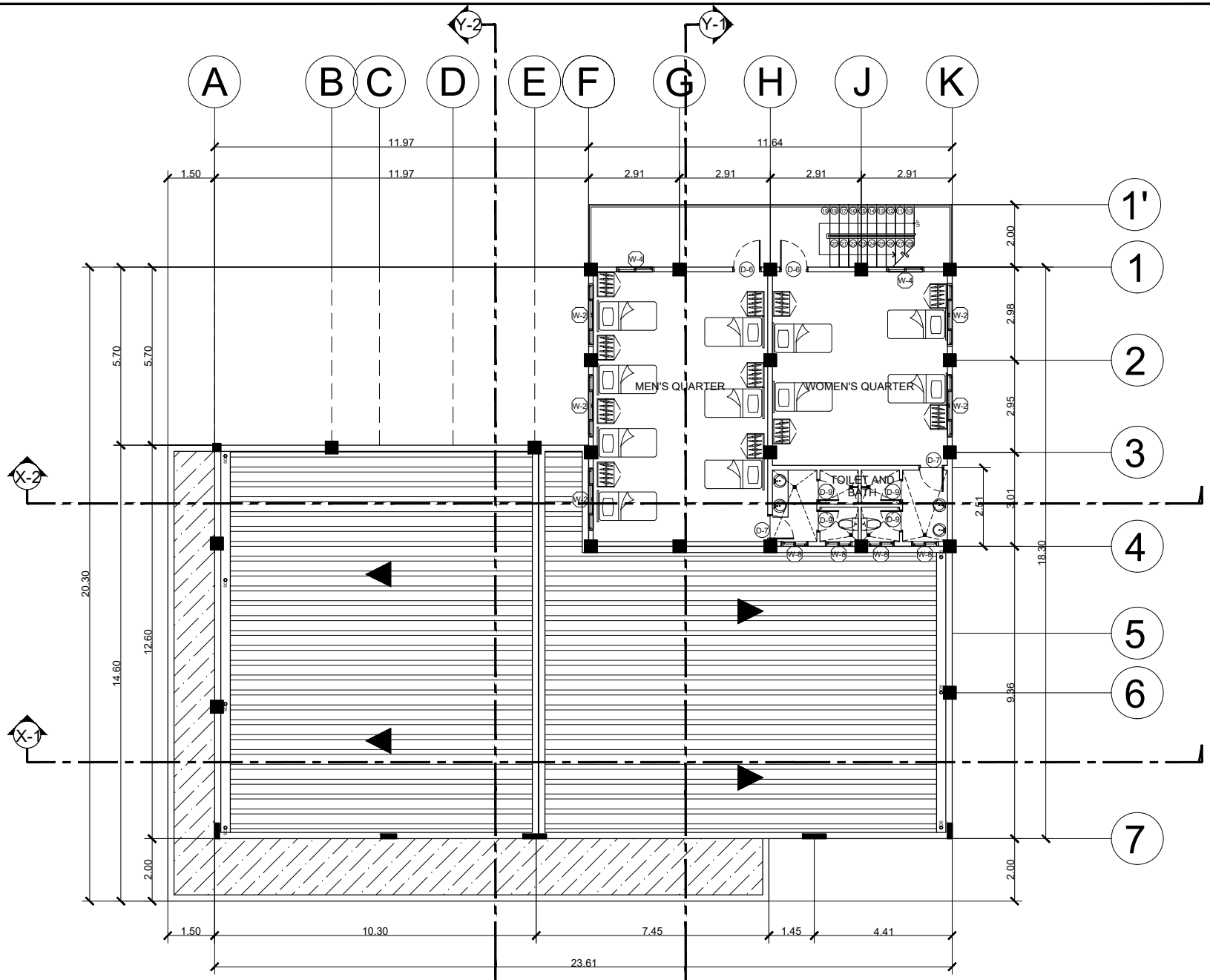
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	EXISTING FLOOR PLAN	A - 3



1 / A-4 GROUND FLOOR PLAN

SCALE 1:75 MTS

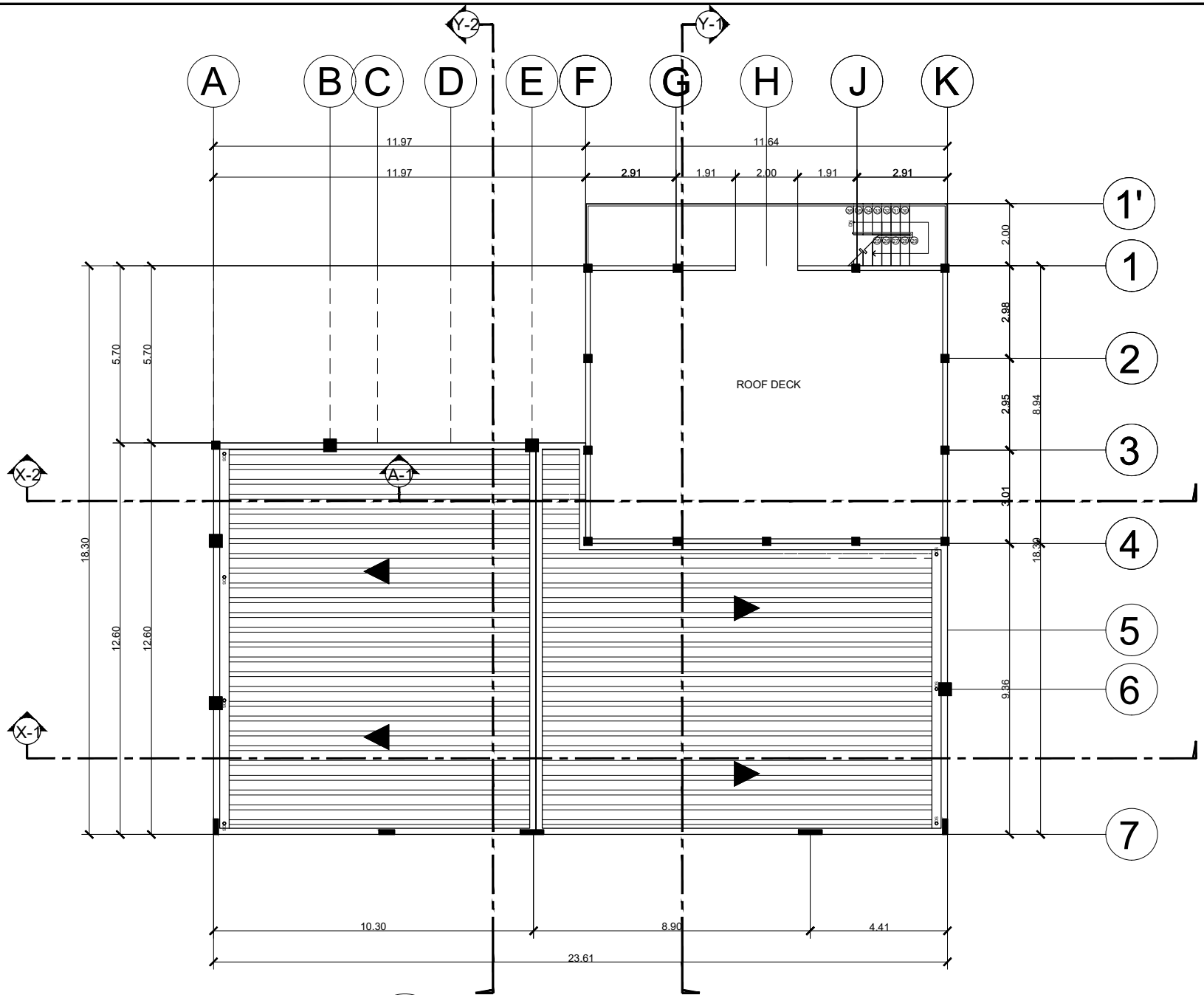
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	GROUND FLOOR PLAN	A - 4



1 SECOND FLOOR PLAN

A-5 SCALE 1:75 MTS

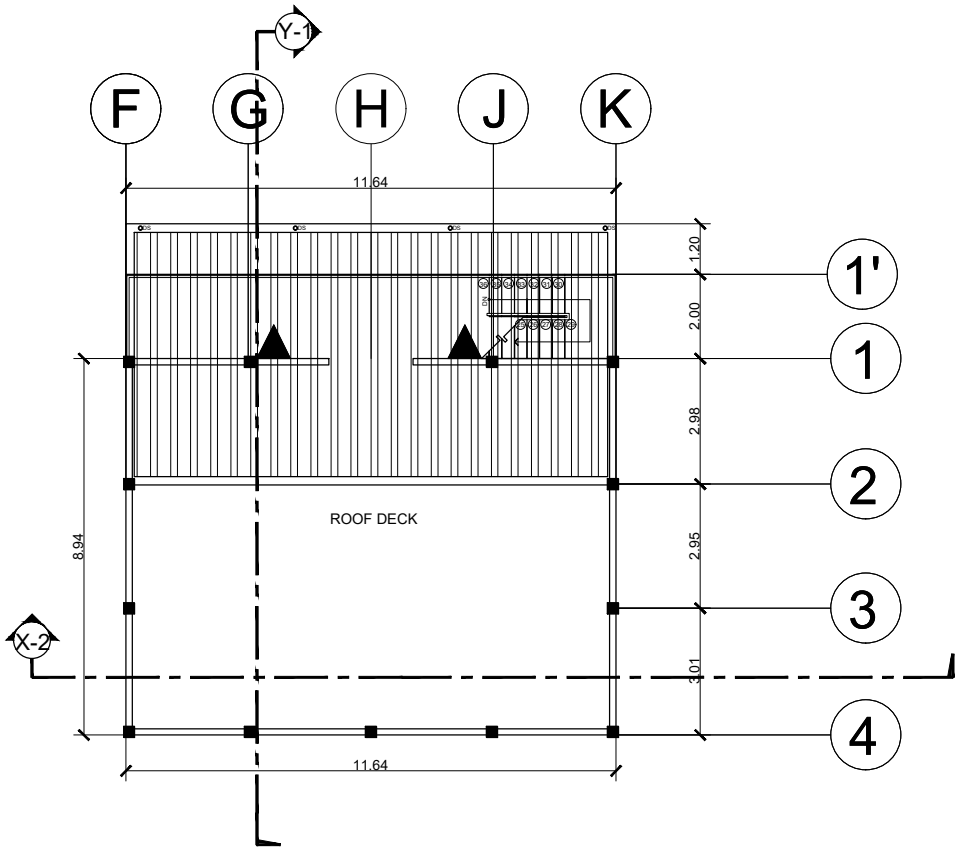
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECOND FLOOR PLAN	A - 5



1 / A-6 ROOF DECK FLOOR PLAN

SCALE 1:75 MTS

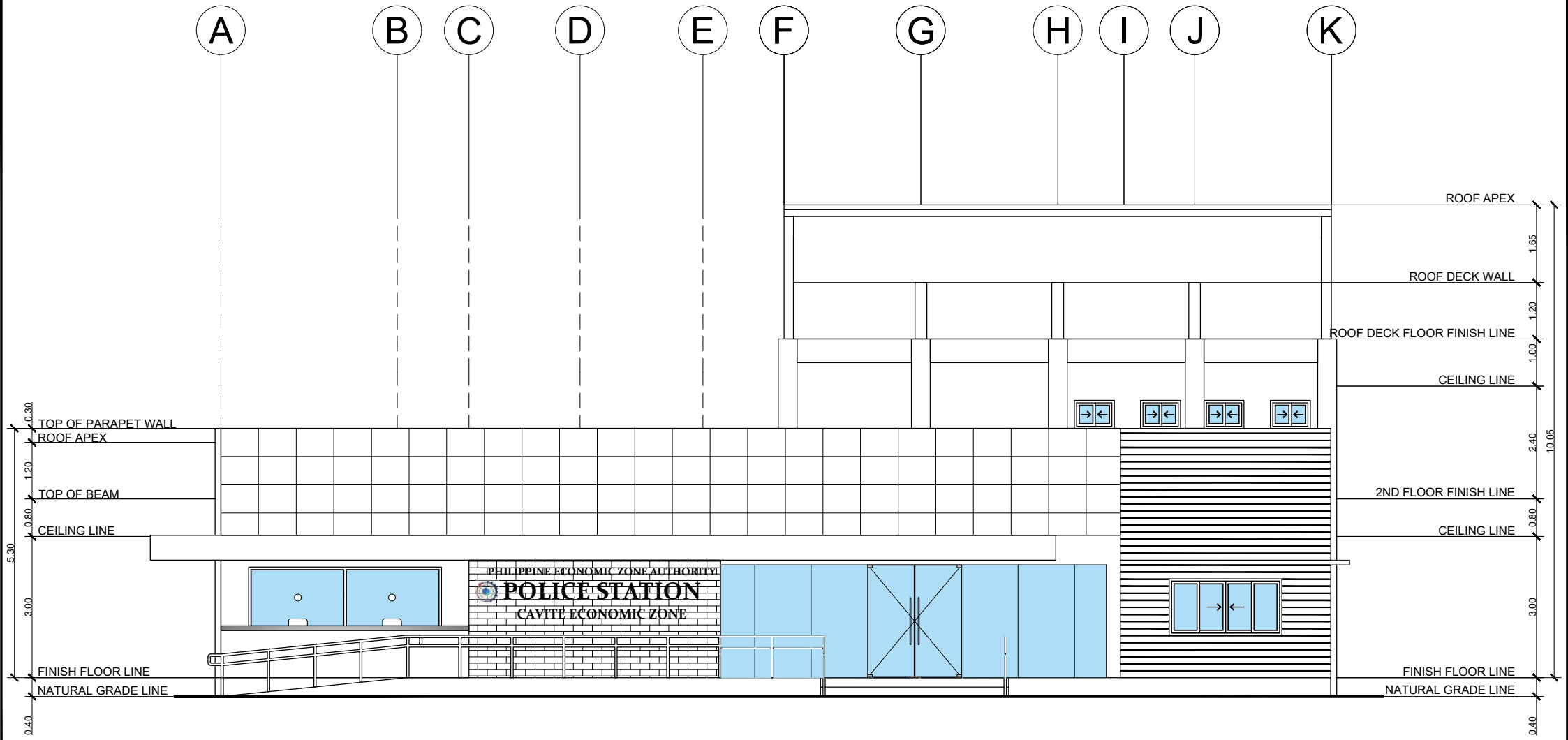
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	ROOF DECK FLOOR PLAN	A - 6



1 / A-7 ROOF PLAN

SCALE 1:75 MTS

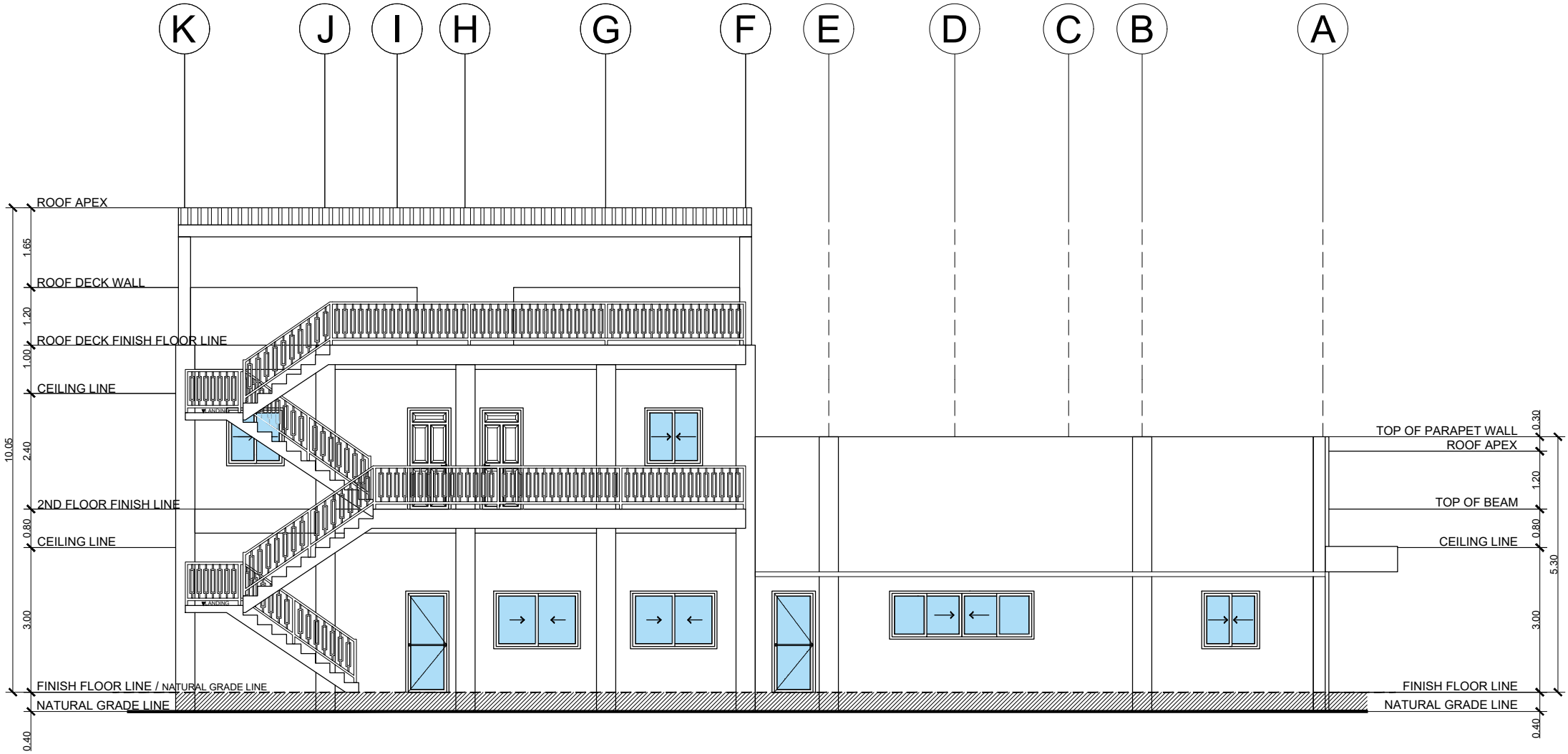
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	ROOF PLAN	A - 7



1 / A-8 FRONT ELEVATION

SCALE 1:120 MTS

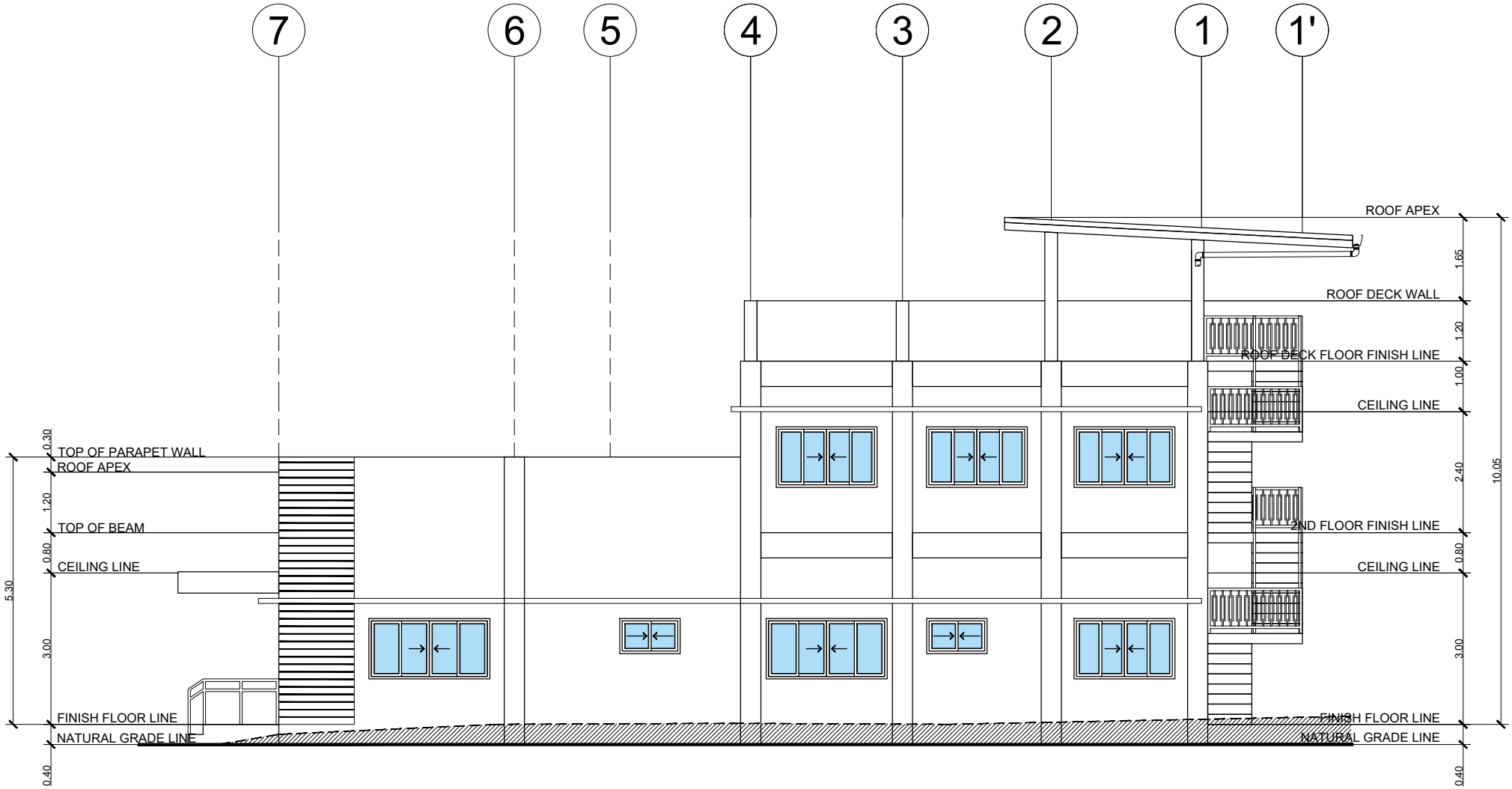
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	FRONT ELEVATION	A - 8



1 / A-9 REAR ELEVATION

SCALE 1:120 MTS

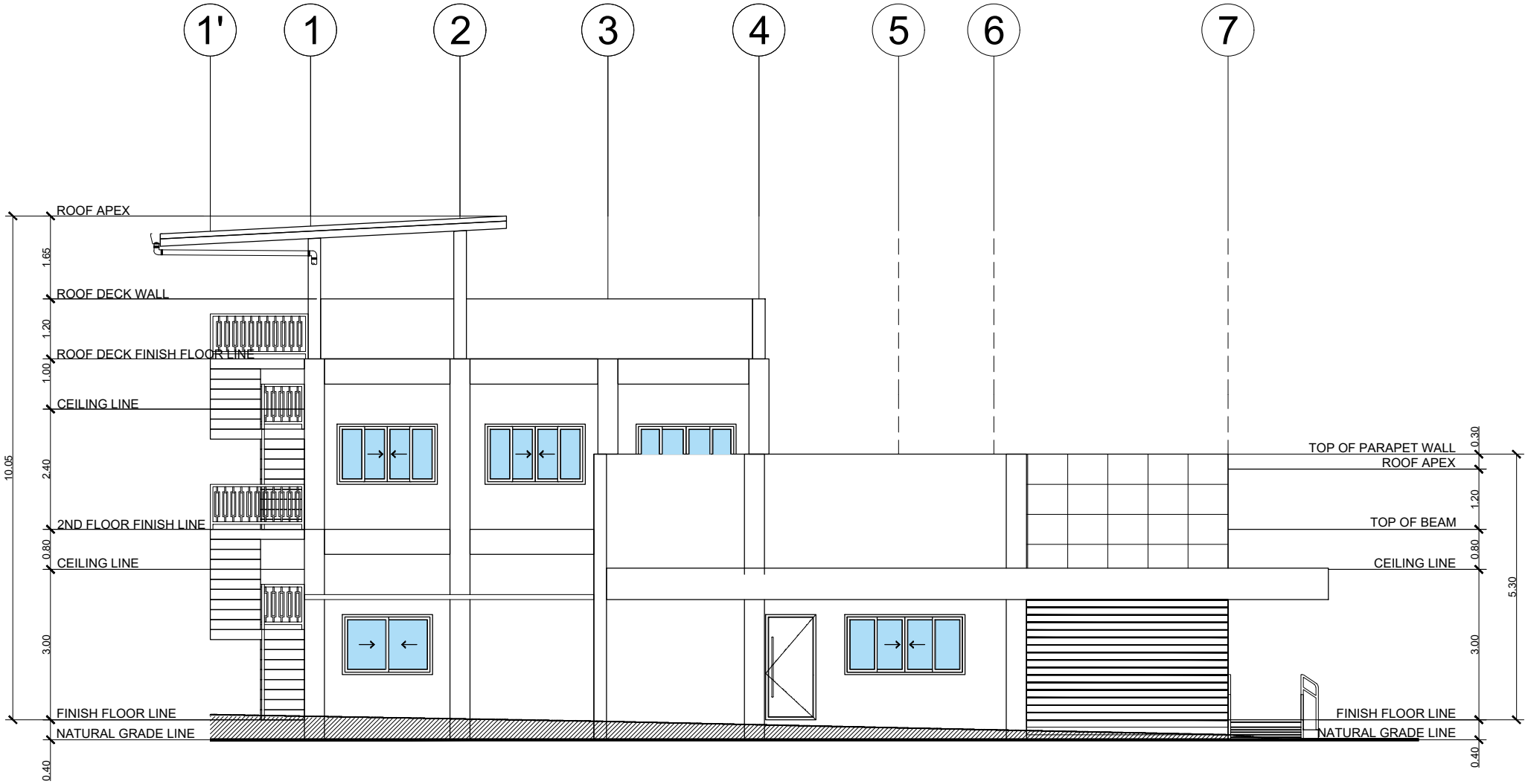
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	REAR ELEVATION	A - 9



1 / A-10 RIGHT SIDE ELEVATION

SCALE 1:120 MTS

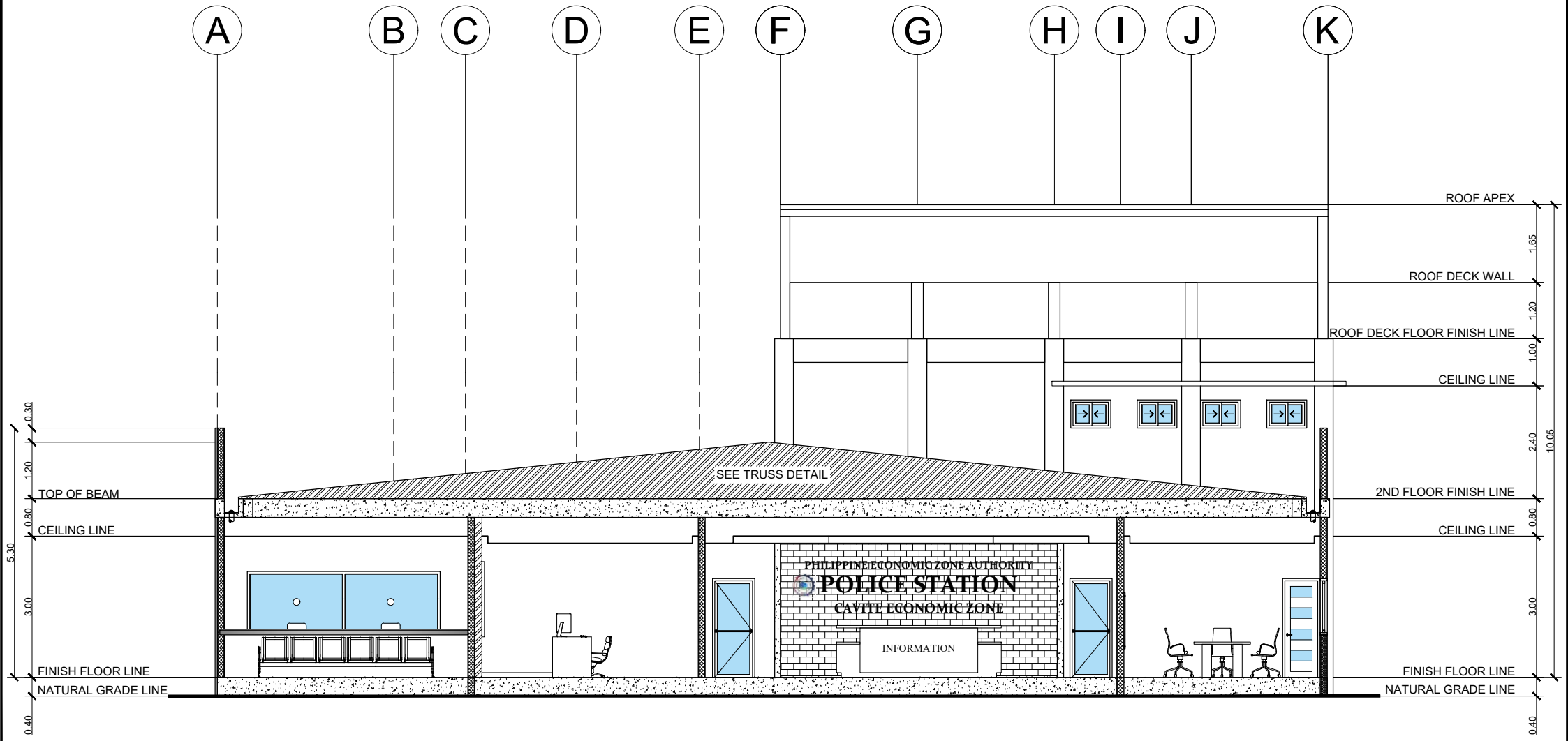
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	RIGHT SIDE ELEVATION	A - 10



1 / A-11 LEFT SIDE ELEVATION

SCALE 1:120 MTS

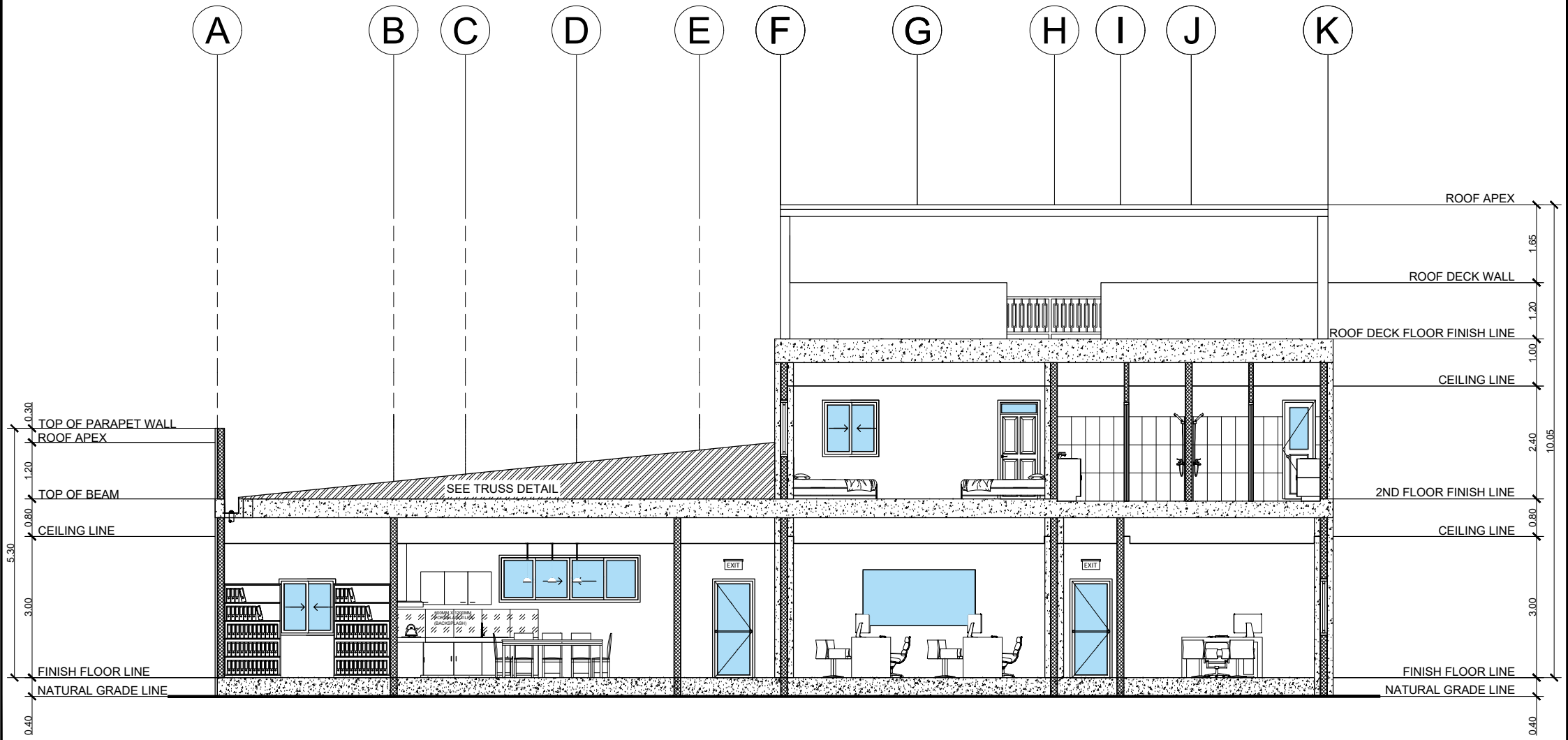
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	LEFT SIDE ELEVATION	A - 11



1 / A-12 SECTION THRU X-1

SCALE 1:120 MTS

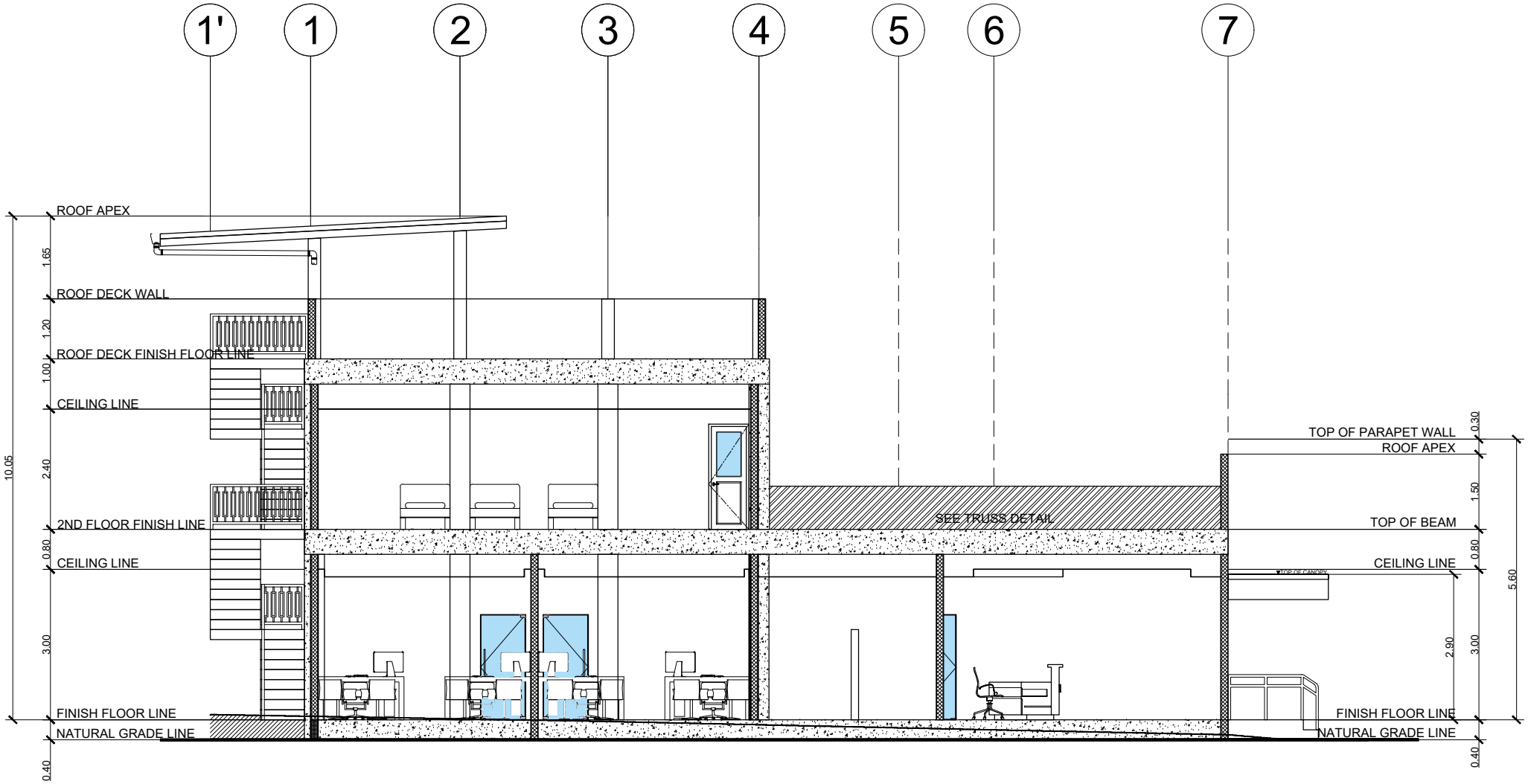
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION THRU X-1	A - 12



1 / A-13 SECTION THRU X-2

SCALE 1:120 MTS

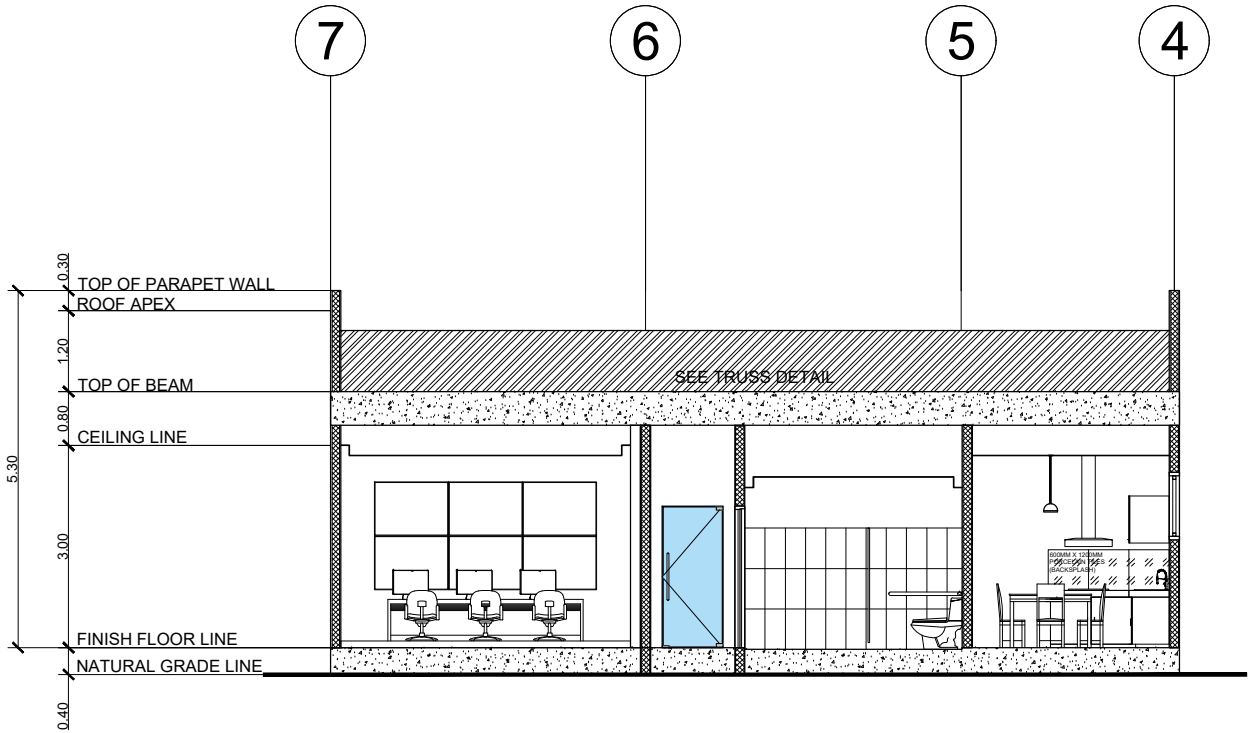
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION THRU X-2	A - 13



1 / A-14 SECTION THRU Y-1

SCALE 1:120 MTS

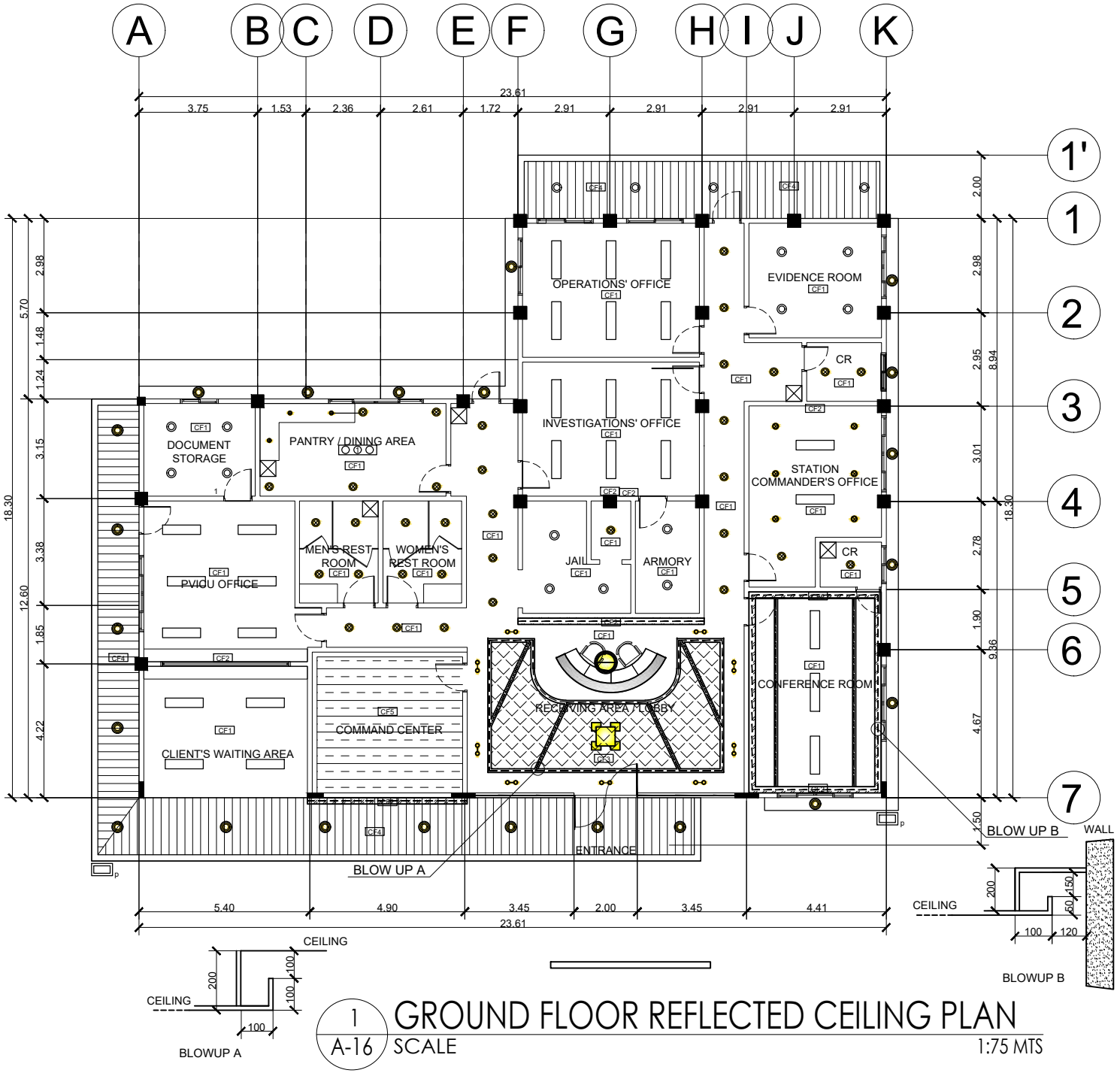
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION THRU Y-1	A - 14



1 / A-15 SECTION THRU Y-2

SCALE 1:120 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION THRU Y-2	A - 15



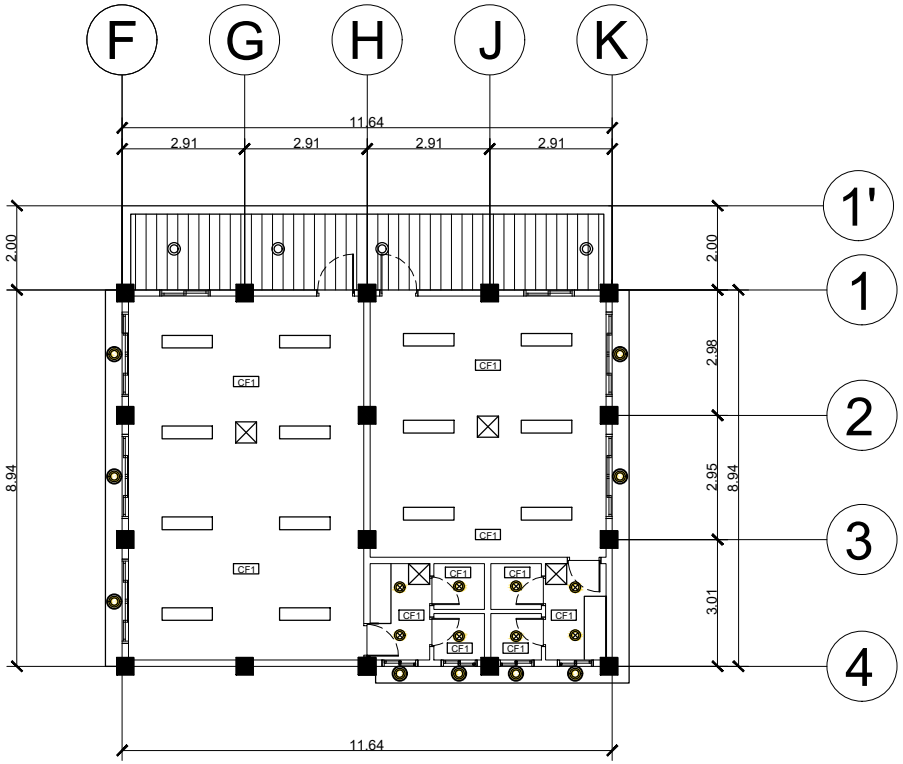
1
A-16

GROUND FLOOR REFLECTED CEILING PLAN

SCALE 1:75 MTS

TYPE	SPECIFICATION
CF1	4.5MM THICK FIBER CEMENT BOARD ON METAL FURRING, PAINTED FINISH
CF2	4.5MM THICK FIBER CEMENT BOARD ON METAL FURRING, PAINTED FINISH - RECESSED CEILING
CF3	UPVC CEILING PANELS - GROOVED PANEL COLOR AND DESIGN FOR APPROVAL
CF4	UPVC SPANDREL PANELS COLOR AND DESIGN FOR APPROVAL
CF5	EXISTING CEILING - FOR RESTORATION
	LED DECORATIVE CEILING LIGHT (DAYLIGHT/TRICOLOR) 20-30W
	LED DECORATIVE CEILING LIGHT(DAYLIGHT/TRICOLOR) 18-25W
	BACKLIT RECESSED 1200x300mm LED PANEL LIGHT 48W (DAYLIGHT)
	LED ALUMINUM PROFILE LED STRIP LIGHT W/ TUBING (DAYLIGHT) 8-11W
	LED STRIP LIGHT W/ TUBING (WARM WHITE) 8-11W
	RECESSED LED DOWNLIGHT 6W (DAYLIGHT)
	RECESSED RECTANGLE 2-HEAD LED DOWNLIGHT 6W (DAYLIGHT)
	RECESSED LED DOWNLIGHT 3W (DAYLIGHT)
	GLASS RECESSED LED DOWNLIGHT 9W (DAYLIGHT)
	SURFACE MOUNTED LED DOWNLIGHT 9W (DAYLIGHT/WARMWHITE)
	RECESSED LED DOWNLIGHT 18W (DAYLIGHT)
	LED FLOODLIGHT 50W (DAYLIGHT)
	500MM X 500MM CEILING MANHOLE 4.5MM FIBER CEMENT BOARD

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	GROUND FLOOR REFLECTED CEILING PLAN	A - 16

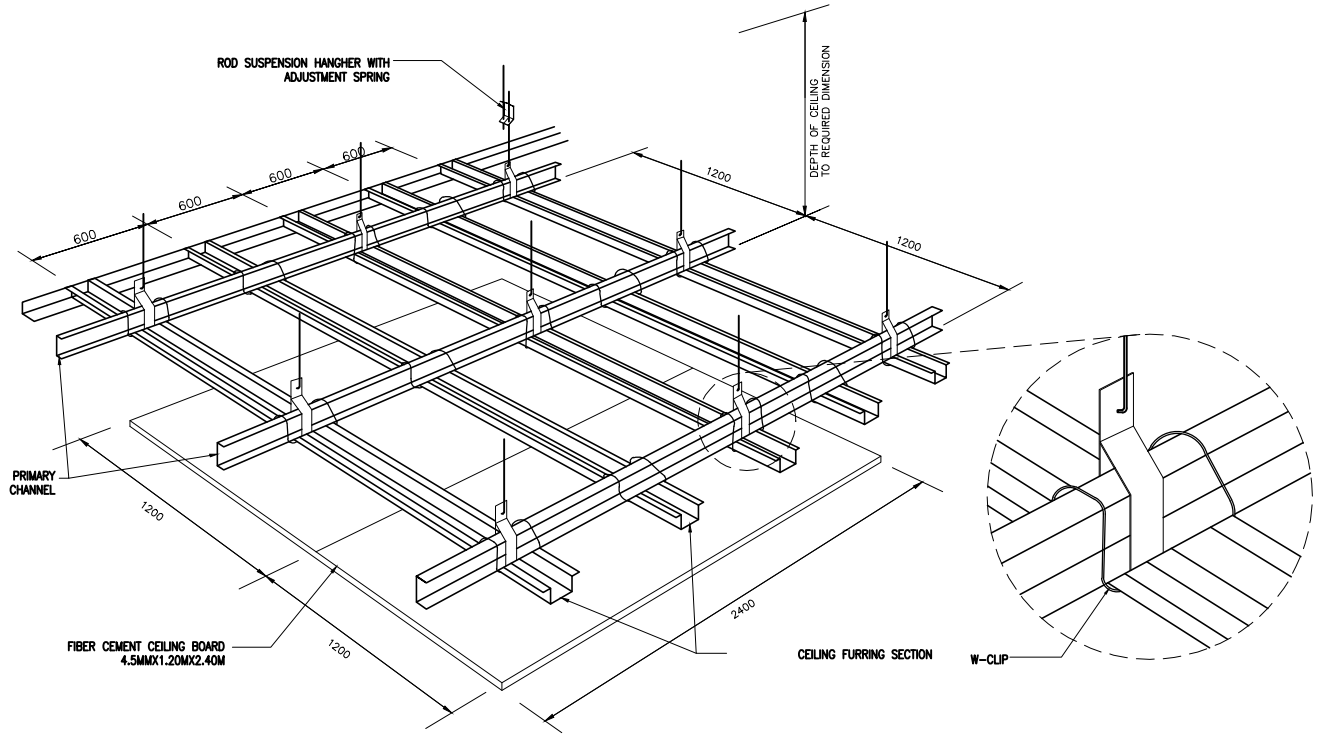


1 / A-17 SECOND FLOOR REFLECTED CEILING PLAN

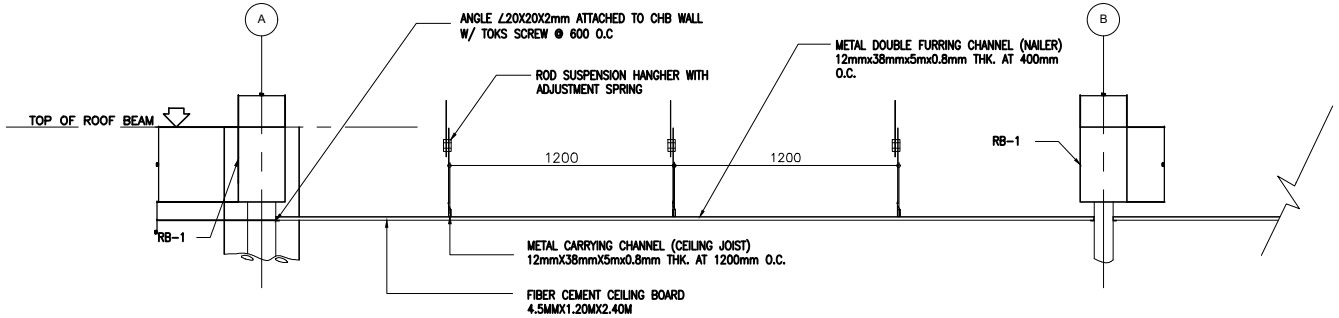
SCALE 1:75 MTS

TYPE	SPECIFICATION
CF1	4.5MM THICK FIBER CEMENT BOARD ON METAL FURRING, PAINTED FINISH
CF2	4.5MM THICK FIBER CEMENT BOARD ON METAL FURRING, PAINTED FINISH - RECESSED CEILING
CF3	UPVC CEILING PANELS - GROOVED PANEL COLOR AND DESIGN FOR APPROVAL
CF4	UPVC SPANDREL PANELS COLOR AND DESIGN FOR APPROVAL
CF5	EXISTING CEILING - FOR RESTORATION
	LED DECORATIVE CEILING LIGHT (DAYLIGHT/TRICOLOR) 20-30W
	LED DECORATIVE CEILING LIGHT(DAYLIGHT/TRICOLOR) 18-25W
	BACKLIT RECESSED 1200x300mm LED PANEL LIGHT 48W (DAYLIGHT)
	LED ALUMINUM PROFILE LED STRIP LIGHT W/ TUBING (DAYLIGHT) 8-11W
	LED STRIP LIGHT W/ TUBING (TRICOLOR) 8-11W
	RECESSED LED DOWNLIGHT 6W (DAYLIGHT)
	RECESSED RECTANGLE 2-HEAD LED DOWNLIGHT 6W (DAYLIGHT)
	RECESSED LED DOWNLIGHT 3W (DAYLIGHT)
	GLASS RECESSED LED DOWNLIGHT 9W (DAYLIGHT)
	SURFACE MOUNTED LED DOWNLIGHT 9W (DAYLIGHT/WARMWHITE)
	RECESSED LED DOWNLIGHT 18W (DAYLIGHT)
	LED FLOODLIGHT 50W (DAYLIGHT)
	500MM X 500MM CEILING MANHOLE 4.5MM FIBER CEMENT BOARD

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECOND FLOOR REFLECTED CEILING PLAN	A - 17



SPOT DETAIL



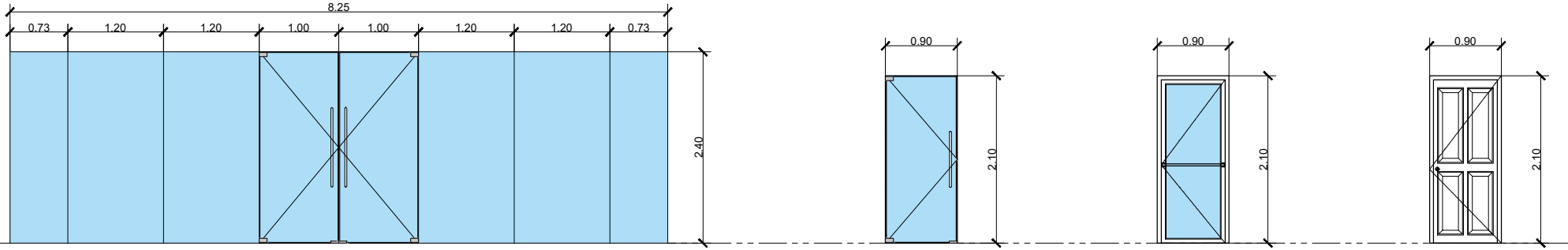
SECTION (CEILING)

1
A-18

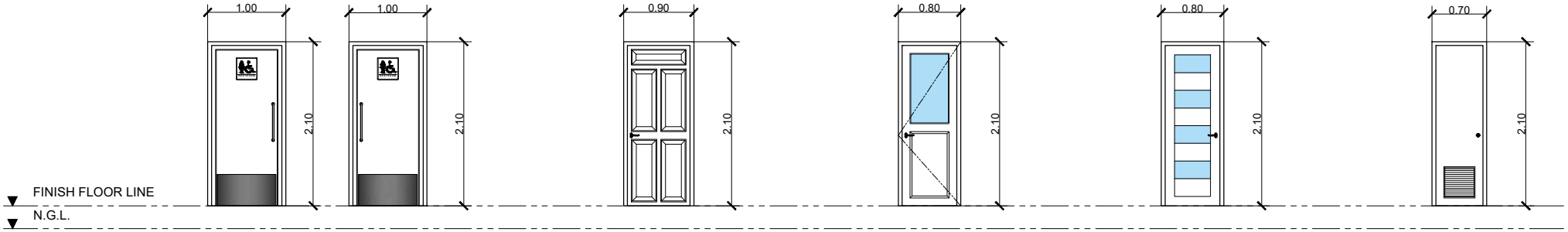
CEILING CONNECTION DETAIL

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	CEILING CONNECTION DETAIL	A - 18



MARK	D-1	MARK	D-2	MARK	D-3	MARK	D-4
DESCRIPTION	DOUBLE SWING GLASS DOOR USING 12MM CLEAR TEMPERED GLASS ON PATCH FITTINGS @ 2000MMX2400MM WITH FIX GLASS PANEL USING 12MM CLEAR TEMPERED GLASS	DESCRIPTION	SINGLE LEAF DOUBLE SWING GLASS DOOR USING 12MM GLASS ON PATCH FITTING	DESCRIPTION	SINGLE LEAF, DOUBLE SWING GLASS DOOR USING 6MM GLASS ON ALUMINUM FRAME	DESCRIPTION	SINGLE SWING SOLID PANEL DOOR
NO. OF SETS	1	NO. OF SETS	6	NO. OF SETS	3	NO. OF SETS	4
LOCATION	MAIN ENTRANCE	LOCATION	STATION COMMANDER'S OFFICE CONFERENCE ROOM INVESTIGATION/ OPERATIONS OFFICE PVICU OFFICE	LOCATION	EXITS	LOCATION	PANTRY DOCUMENT STORAGE ARMORY EVIDENCE ROOM
LOCKSET/ ACCESSORIES	GLASS DOOR LOCKSET GLASS DOOR HANDLE	LOCKSET/ ACCESSORIES	GLASS DOOR LOCKSET GLASS DOOR HANDLE	LOCKSET/ ACCESSORIES	GLASS DOOR LOCKSET GLASS DOOR HANDLE	LOCKSET/ ACCESSORIES	DOOR HANDLE, LOCKSET, STOPPER, 3PCS HINGES



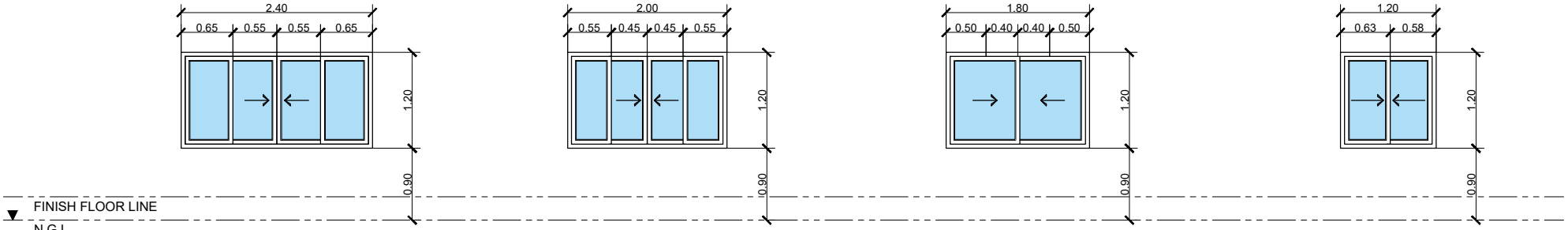
MARK	D-5	MARK	D-6	MARK	D-7	MARK	D-8	MARK	D-9
DESCRIPTION	SINGLE SWING SOLID PANEL DOOR WITH WHEELCHAIR PROTECTOR PLATE AND STAINLESS SIGNAGE	DESCRIPTION	SINGLE SWING SOLID PANEL DOOR WITH GLASS TRANSOM	DESCRIPTION	SINGLE SWING SOLID PANEL DOOR WITH FOGGED GLASS	DESCRIPTION	SINGLE SWING SOLID PANEL DOOR WITH FOGGED GLASS	DESCRIPTION	PVC DOOR WITH LOUVER
NO. OF SETS	2	NO. OF SETS	2	NO. OF SETS	2	NO. OF SETS	2	NO. OF SETS	4
LOCATION	MEN'S COMFORT ROOM WOMEN'S COMFORT ROOM	LOCATION	MEN'S QUARTER WOMEN'S QUARTER	LOCATION	T&B MEN'S QUARTER T&B WOMEN'S QUARTER	LOCATION	CONFERENCE ROOM C.R. COMMON T&B	LOCATION	T&B MEN'S QUARTER T&B WOMEN'S QUARTER
LOCKSET/ ACCESSORIES	DOOR HANDLE, DOOR STOPPER, 4PCS HINGES	LOCKSET/ ACCESSORIES	DOOR HANDLE, DOOR STOPPER, 4PCS HINGES	LOCKSET/ ACCESSORIES	DOOR HANDLE, DOOR LOCKSET, 3PCS HINGES	LOCKSET/ ACCESSORIES	DOOR HANDLE, DOOR LOCKSET, 3PCS HINGES	LOCKSET/ ACCESSORIES	DOOR HANDLE, DOOR LOCKSET, 3PCS HINGES

1
A-19

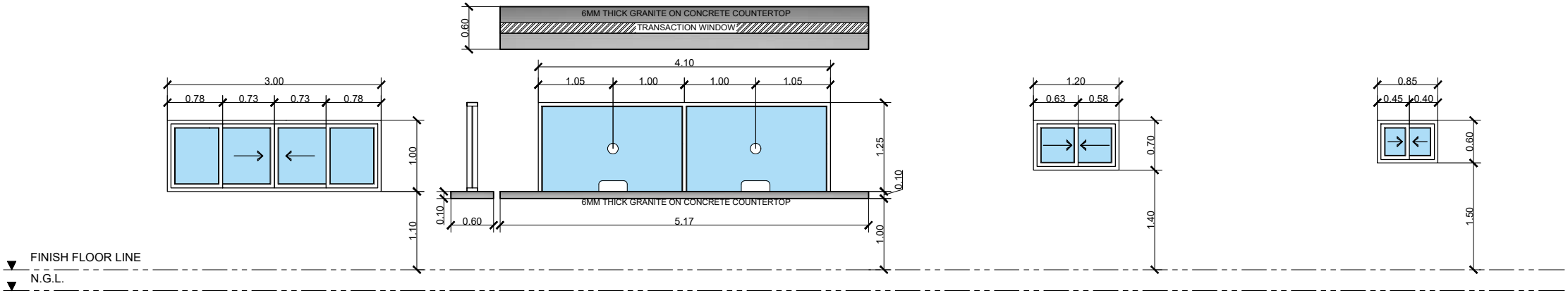
SCHEDULE OF DOORS

SCALE 1:180 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF DOORS	A - 19



MARK	W-1	MARK	W-2	MARK	W-3	MARK	W-4
DESCRIPTION	6MM THICK GLASS SLIDING/ FIXED WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW	DESCRIPTION	6MM THICK GLASS SLIDING/ FIXED WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW	DESCRIPTION	6MM THICK GLASS SLIDING WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW - FROM EXISTING STRUCTURE FOR RE-INSTALLATION	DESCRIPTION	6MM THICK GLASS SLIDING WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW - TWO (2) FROM EXISTING STRUCTURE FOR RE-INSTALLATION
NO. OF SETS	4	NO. OF SETS	6	NO. OF SETS	3	NO. OF SETS	3
LOCATION	CONFERENCE ROOM STATIONS COMMANDER'S OFFICE PVICU OFFICE	LOCATION	EVIDENCE ROOM MEN'S QUARTERS WOMEN'S QUARTERS	LOCATION	OPERATION'S OFFICE	LOCATION	DOCUMENT STORAGE MEN'S QUARTERS WOMEN'S QUARTERS
LOCKSET/ ACCESSORIES	HANDLES LOCKSET	LOCKSET/ ACCESSORIES	HANDLES LOCKSET	LOCKSET/ ACCESSORIES	PROVIDE NEW SETS OF HANDLES AND LOCKSET	LOCKSET/ ACCESSORIES	PROVIDE NEW SETS OF HANDLES AND LOCKSET



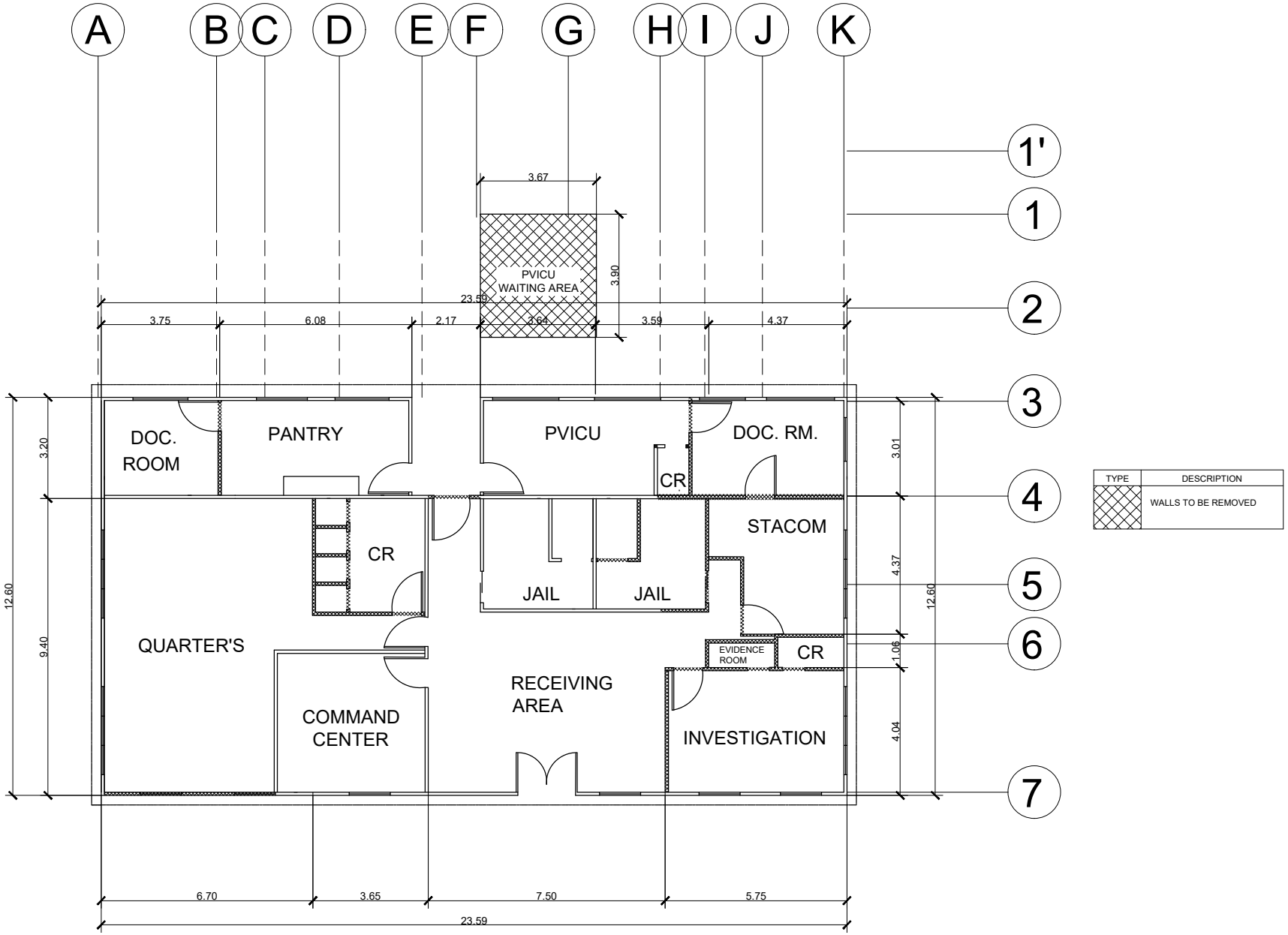
MARK	W-5	MARK	W-6	MARK	W-7	MARK	W-8
DESCRIPTION	6MM THICK GLASS SLIDING/ FIXED WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW	DESCRIPTION	12MM THICK FIXED GLASS TRANSACTION WINDOWS ON ALUMINUM FRAME	DESCRIPTION	6MM THICK GLASS SLIDING WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW	DESCRIPTION	6MM THICK GLASS SLIDING WINDOW ON ALUMINUM FRAME WITH SCREEN WINDOW
NO. OF SETS	1	NO. OF SETS	1	NO. OF SETS	2	NO. OF SETS	4
LOCATION	PANTRY	LOCATION	PVICU OFFICE	LOCATION	CONFERENCE ROOM COMFORT ROOM COMMON COMFORT ROOM	LOCATION	MEN'S QUARTERS COMFORT ROOM WOMEN'S QUARTERS COMFORT ROOM
LOCKSET/ ACCESSORIES	HANDLES LOCKSET	LOCKSET/ ACCESSORIES	HANDLES LOCKSET	LOCKSET/ ACCESSORIES	HANDLES LOCKSET	LOCKSET/ ACCESSORIES	HANDLES LOCKSET

1
A-20

SCHEDULE OF WINDOWS

SCALE 1:180 MTS

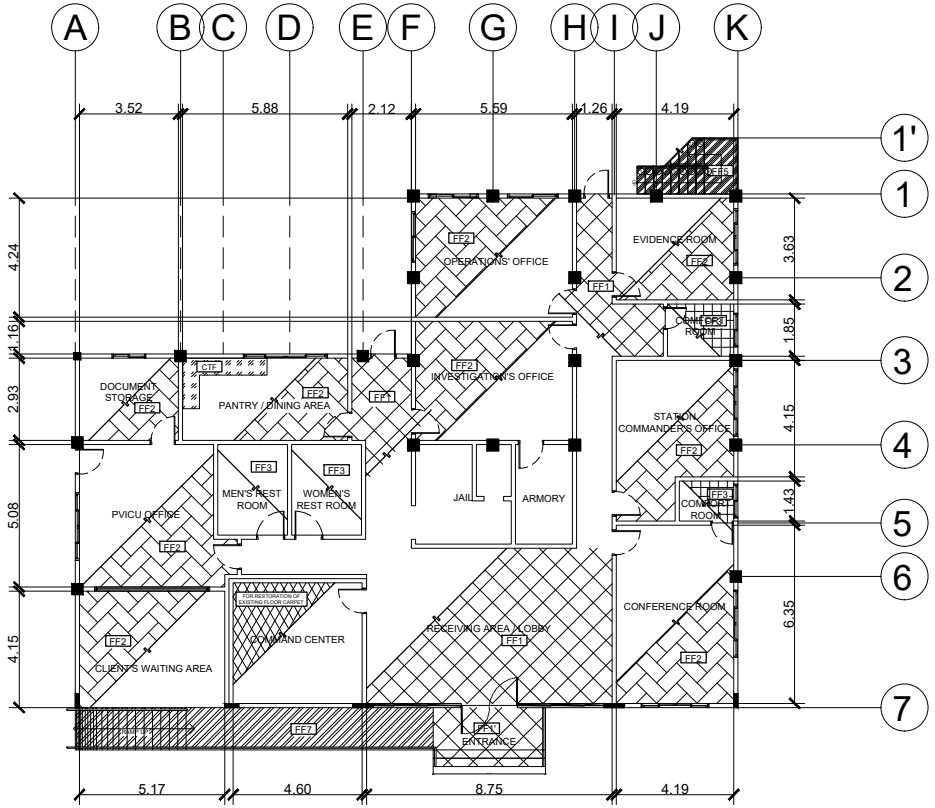
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF WINDOWS	A - 20



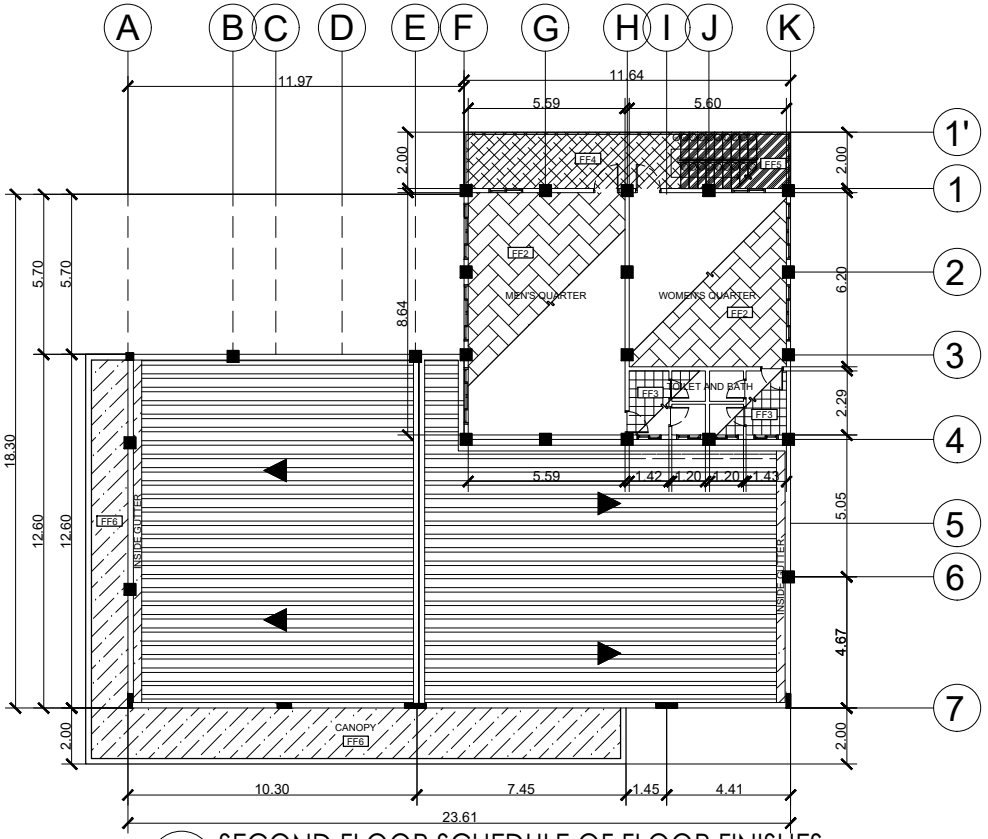
1 DEMOLITION PLAN

A-21 SCALE 1:75 MTS

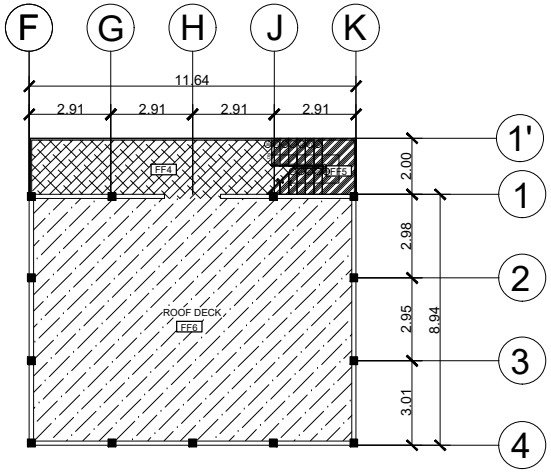
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	DEMOLITION PLAN	A - 21



1 A-22 GROUND FLOOR SCHEDULE OF FLOOR FINISHES
SCALE NTS



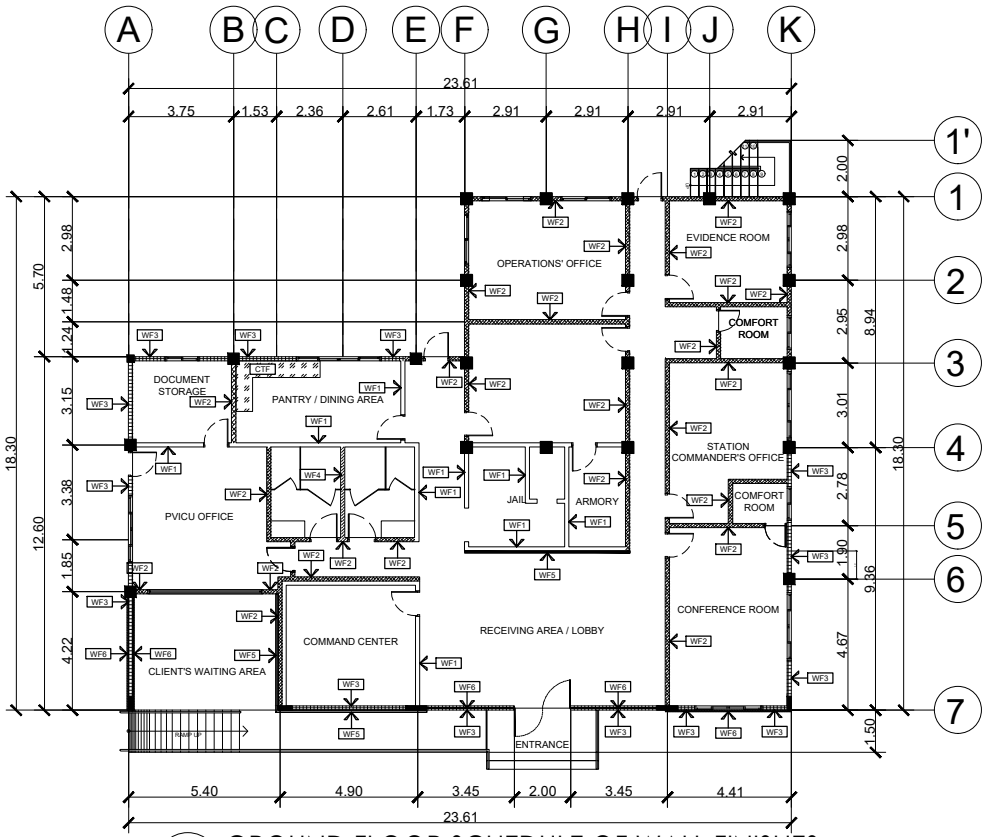
2 A-22 SECOND FLOOR SCHEDULE OF FLOOR FINISHES
SCALE NTS



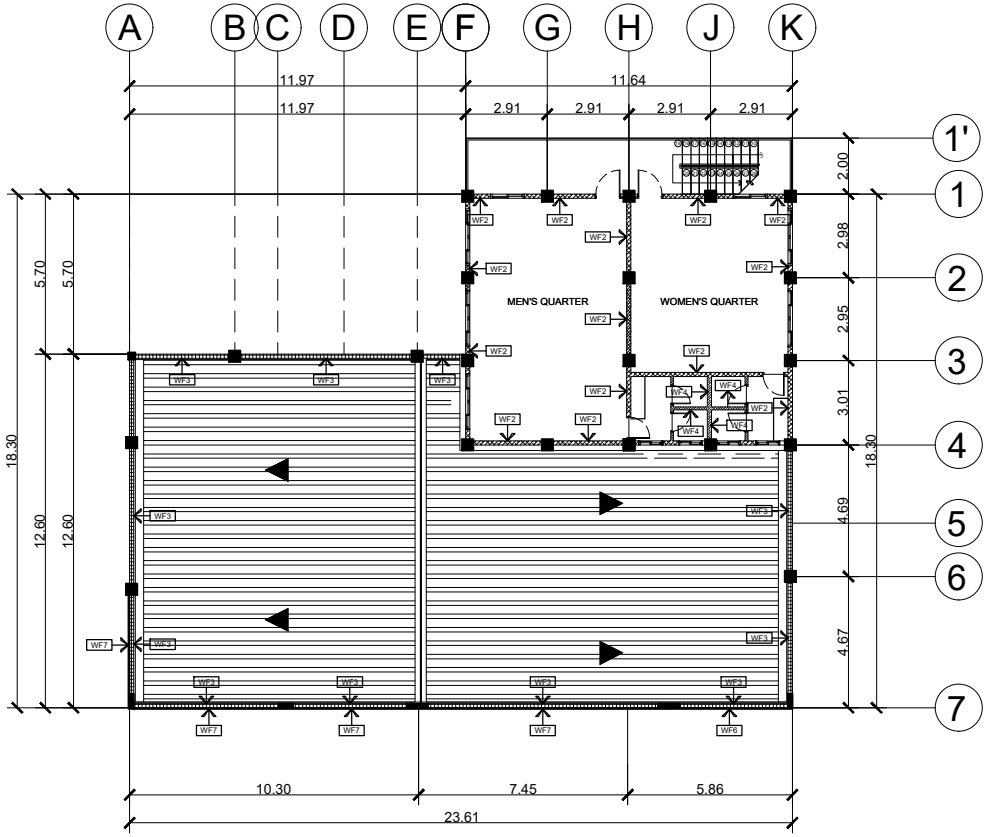
3 A-22 ROOF DECK SCHEDULE OF FLOOR FINISHES
SCALE NTS

TYPE	SPECIFICATION	LOCATION	TYPE	SPECIFICATION	LOCATION
FF1	1200MM X 600MM PORCELAIN FLOOR TILE FINISH COLOR AND DESIGN FOR APPROVAL	LOBBY HALLWAYS	FF5	300MM X1000MM NON-SKID MATTE PORCELAIN FLOOR TILE FINISH - GROOVED COLOR AND DESIGN FOR APPROVAL	STAIRS
FF1'	1200MM X 600MM MATTE/ NON-SKID FLOOR TILE FINISH COLOR AND DESIGN FOR APPROVAL	ENTRANCE	FF6	FLEXIBLE CEMENTITIOUS WATERPROOF FLOOR FINISH	ROOF DECK CANOPY INSIDE GUTTER 2ND FLOOR COMFORT ROOMS
FF2	600MM X 600MM PORCELAIN FLOOR TILE FINISH COLOR AND DESIGN FOR APPROVAL	OFFICES JAIL ARMORY WAITING AREA	FF7	PLASTERED FINISH WITH GROOVE LINES, PAINTED WITH RUBBERIZED PAINT	ROOF DECK CANOPY INSIDE GUTTER 2ND FLOOR COMFORT ROOMS
FF3	300MM X 300MM NON-SKID PORCELAIN FLOOR TILE FINISH COLOR AND DESIGN FOR APPROVAL	BATHROOM AND COMFORT ROOMS	CTF	600MM X 1200MM PORCELAIN TILES COLOR AND DESIGN FOR APPROVAL	KITCHEN COUNTER
FF4	600MM X 600MM NON-SKID PORCELAIN FLOOR TILE FINISH COLOR AND DESIGN FOR APPROVAL	STAIR BALCONY STAIR LANDINGS		EXISTING TILES SHALL BE CHIPPED OFF PRIOR TO THE INSTALLATION OF NEW TILES	EXISTING STRUCTURE

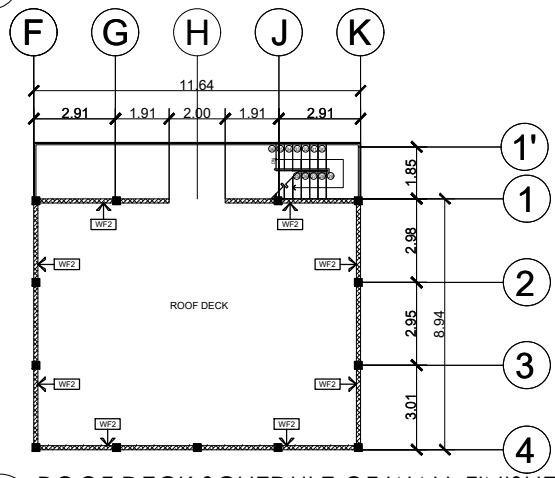
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF FLOOR FINISHES GROUND FLOOR SECOND FLOOR / CANOPY ROOF DECK	A - 22



1 A-23 GROUND FLOOR SCHEDULE OF WALL FINISHES
SCALE NTS



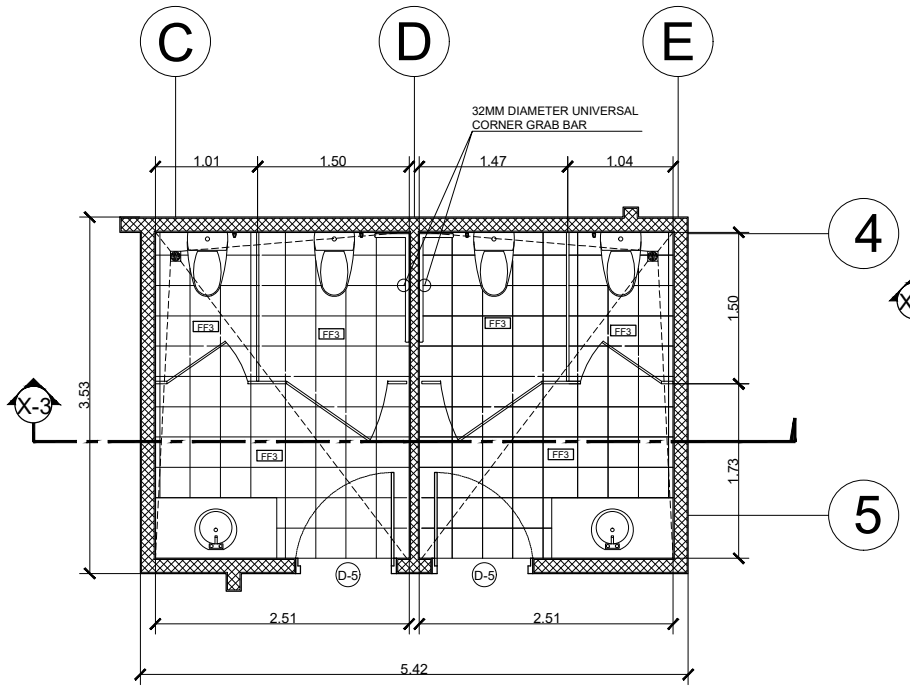
2 A-23 SECOND FLOOR SCHEDULE OF WALL FINISHES
SCALE NTS



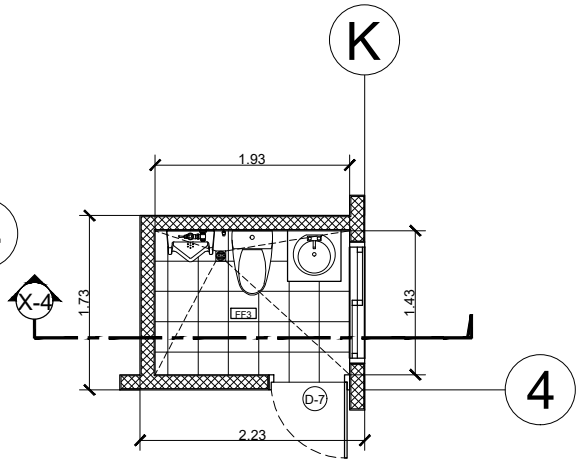
3 A-23 ROOF DECK SCHEDULE OF WALL FINISHES
SCALE NTS

TYPE	DESCRIPTION	TYPE	DESCRIPTION	TYPE	DESCRIPTION
WF1	EXISTING INTERIOR WALLS, PLASTERED , PAINTED FINISH COLOR FOR APPROVAL	WF4	4" CHB PLASTERED, PAINTED FINISH COLOR FOR APPROVAL	WF7	ALUMINUM COMPOSITE PANLE ON APLASTERED FINISH WALL DESIGN AND COLOR FOR APPROVAL
WF2	5" CHB PLASTERED, PAINTED FINISH COLOR FOR APPROVAL	WF5	STONE WALL CLADDING FINISH ON PLASTERED FINISH WALL DESIGN AND COLOR FOR APPROVAL	WF8	300MM X 600MM PORCELAIN WALL TILES FOR T&B AND C&R DESIGN AND COLOR FOR APPROVAL
WF3	ADDITIONAL 5" CHB TO EXISTING EXTERIOR WALL TO PARAPET WAL, PLASTERED, PAINTED FINISH COLOR FOR APPROVAL	WF6	WOOD PLASTIC COMPOSITE PANEL ON PLASTERED FINSH WALL DESIGN AND COLOR FOR APPROVAL		EXISTING EXTERIOR AND WALLS SHALL BE PLASTERED AND PAINTED FINISH

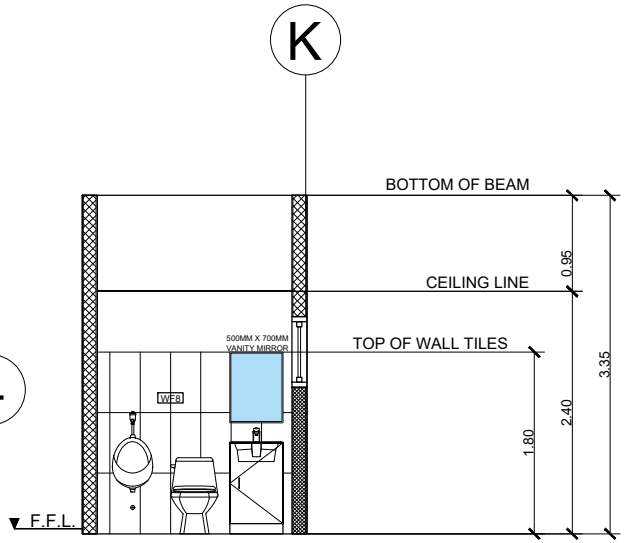
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF WALL FINISHES GROUND FLOOR SECOND FLOOR ROOF DECK / CANOPY	A - 23



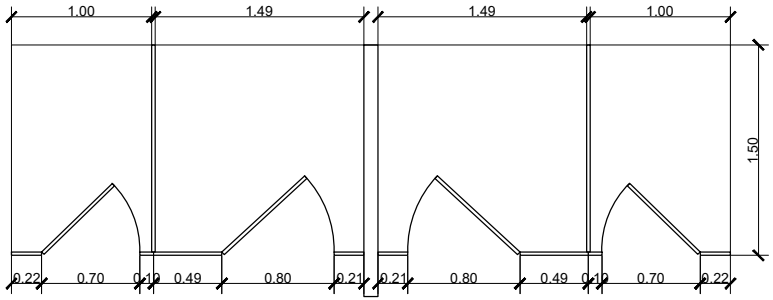
1 A-24 MEN'S AND WOMEN'S REST ROOM PLAN
SCALE 1:180 MTS



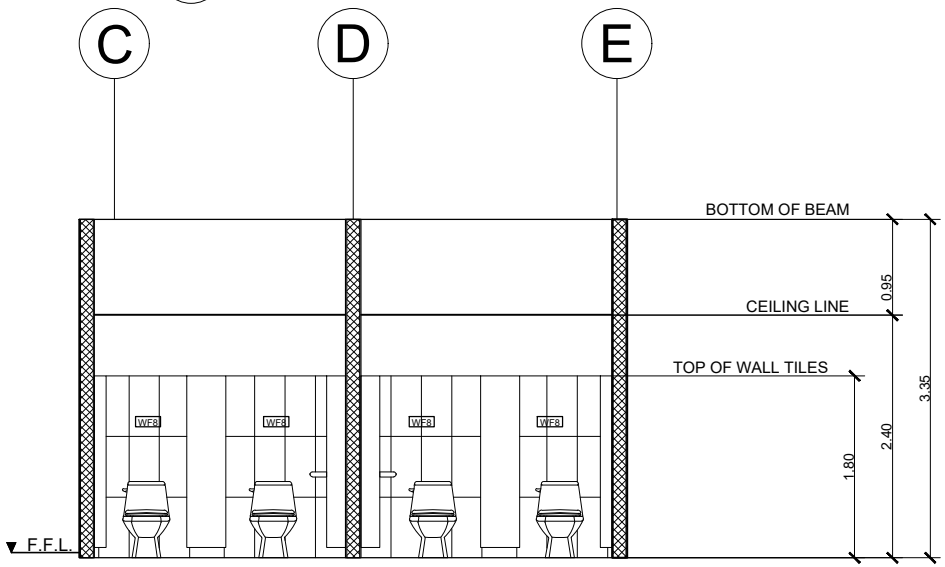
3 A-24 COMFORT ROOM PLAN
SCALE 1:180 MTS



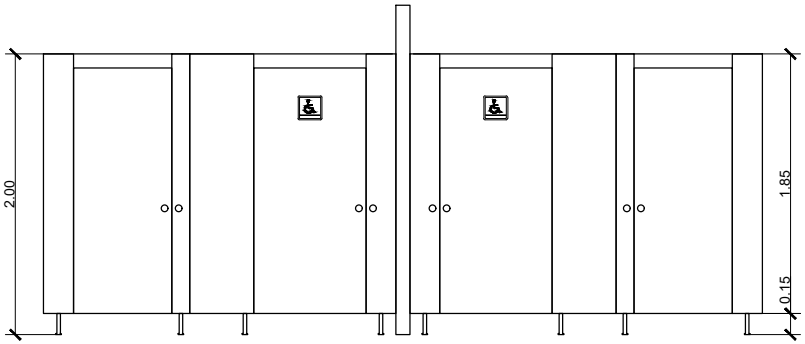
4 A-24 SECTION THRU X-4
SCALE 1:180 MTS



5 A-24 PHENOLIC PARTITION PLAN
SCALE 1:250 MTS

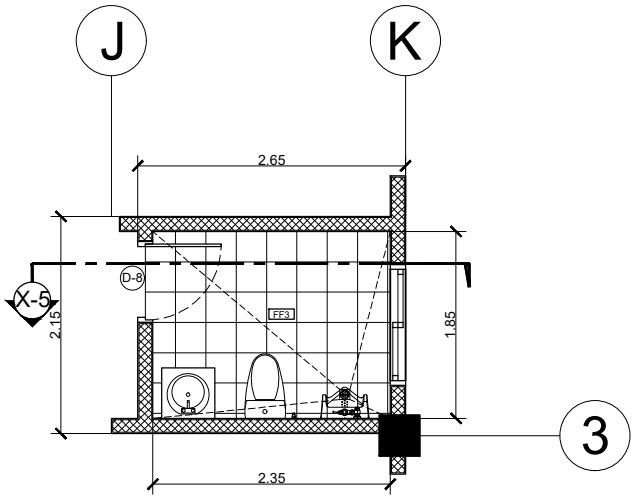


2 A-24 SECTION THRU X-3
SCALE 1:180 MTS

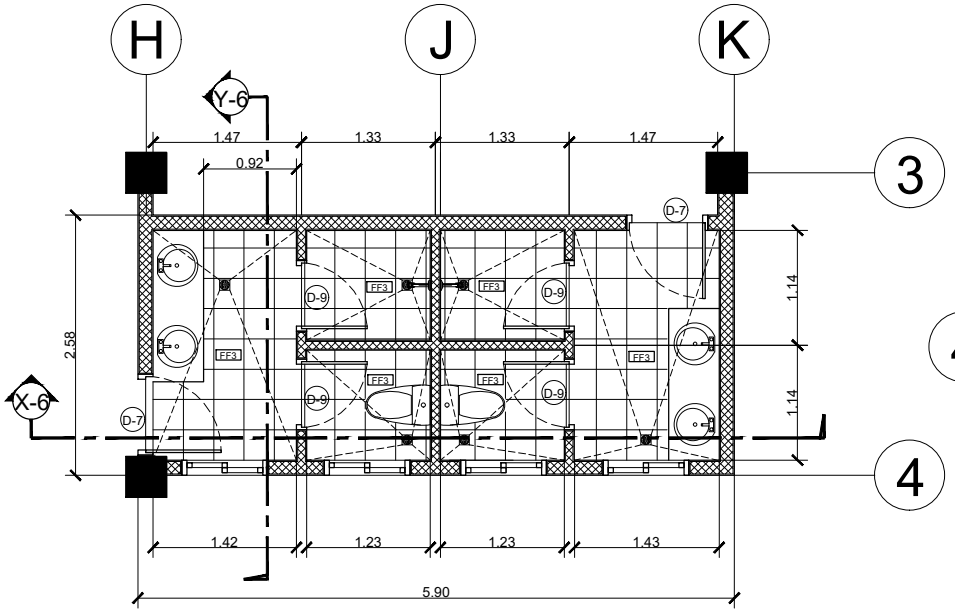


6 A-24 PHENOLIC PARTITION ELEVATION
SCALE 1:250 MTS

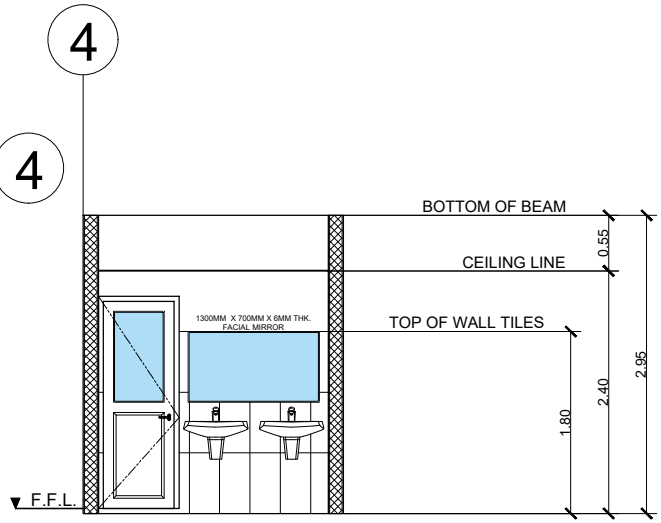
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	MEN'S AND WOMEN'S REST ROOM PLAN SECTION THRU X-3 PHENOLIC BOARD PARTITION PLAN PHENOLIC BOARD PARTITION ELEVATION COMFORT ROOM PLAN SECTION THRU X-4	A - 24



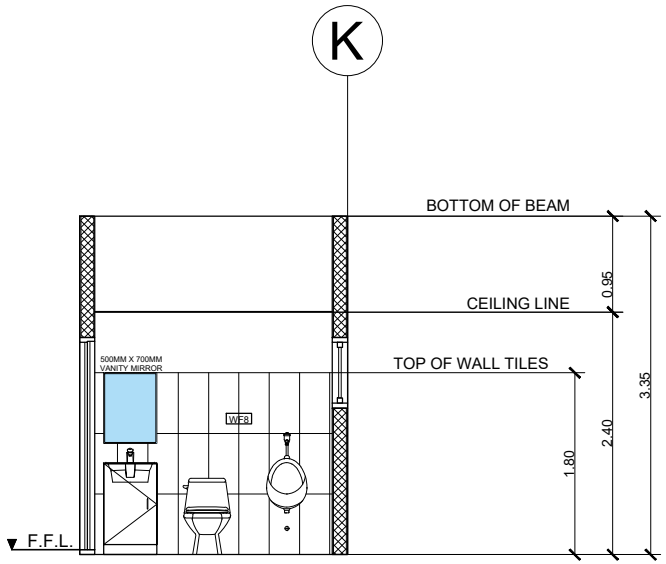
1 / A-25 CONFERENCE ROOM REST ROOM PLAN
SCALE 1:180 MTS



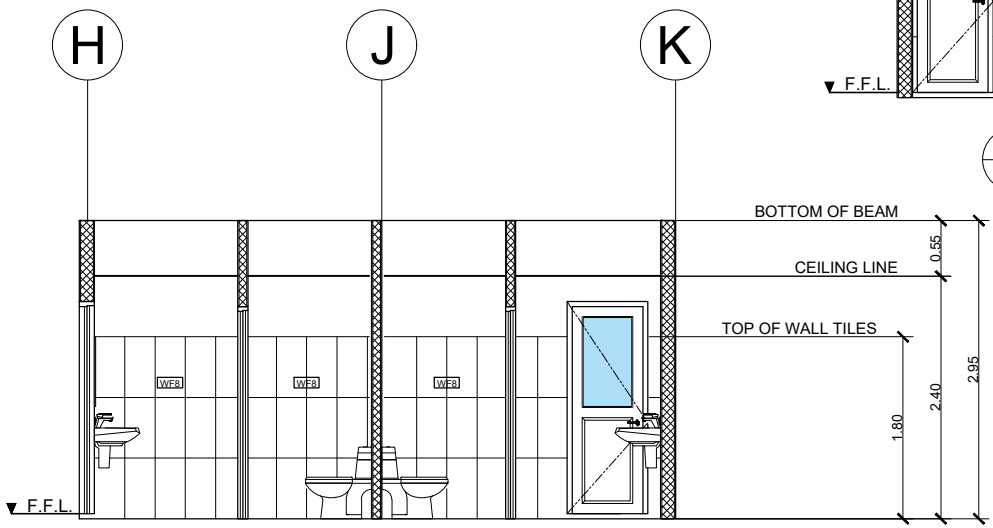
1 / A-25 QUARTER'S TOILET AND BATH PLAN
SCALE 1:180 MTS



1 / A-25 SECTION THRU Y-6
SCALE 1:180 MTS

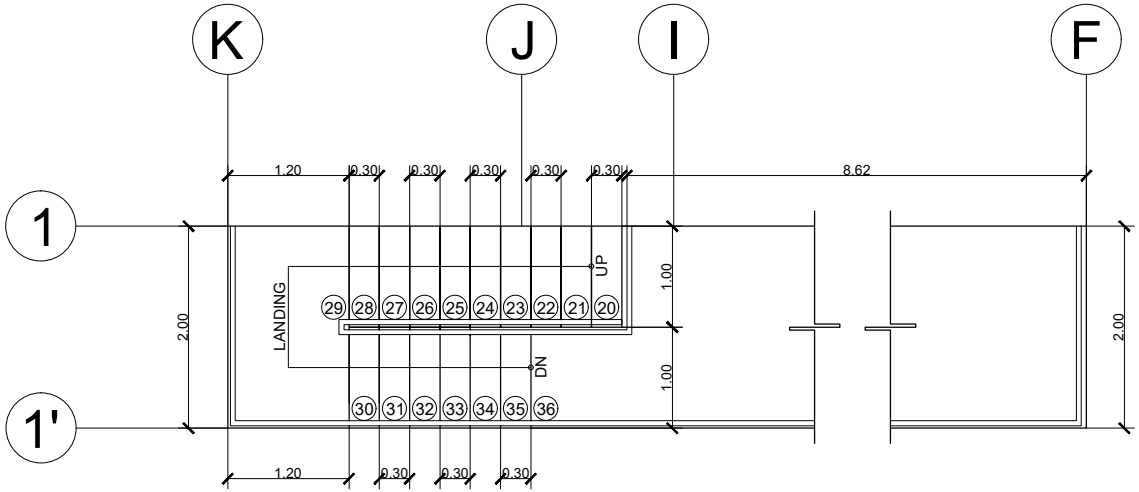


2 / A-25 SECTION THRU X-5
SCALE 1:180 MTS

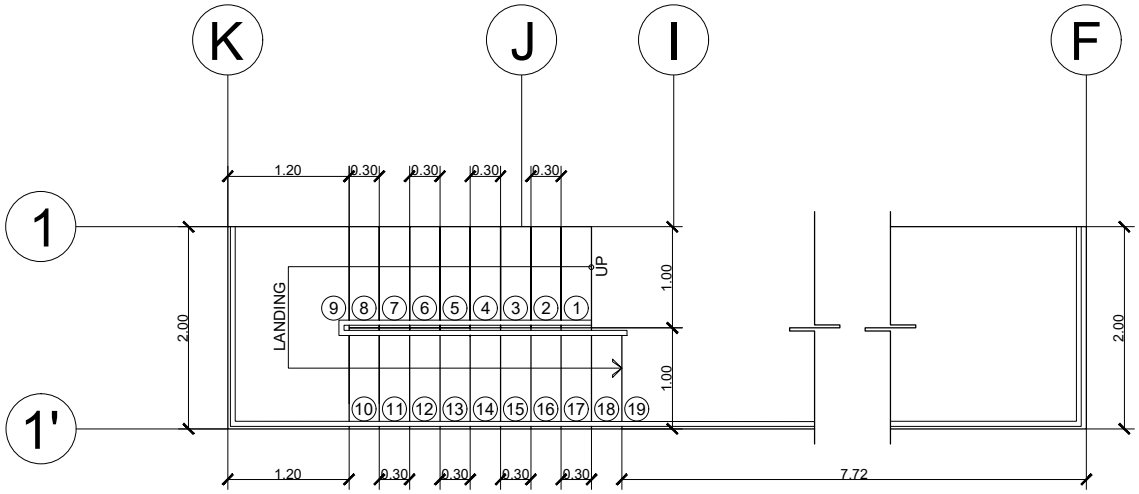


1 / A-25 SECTION THRU X-6
SCALE 1:180 MTS

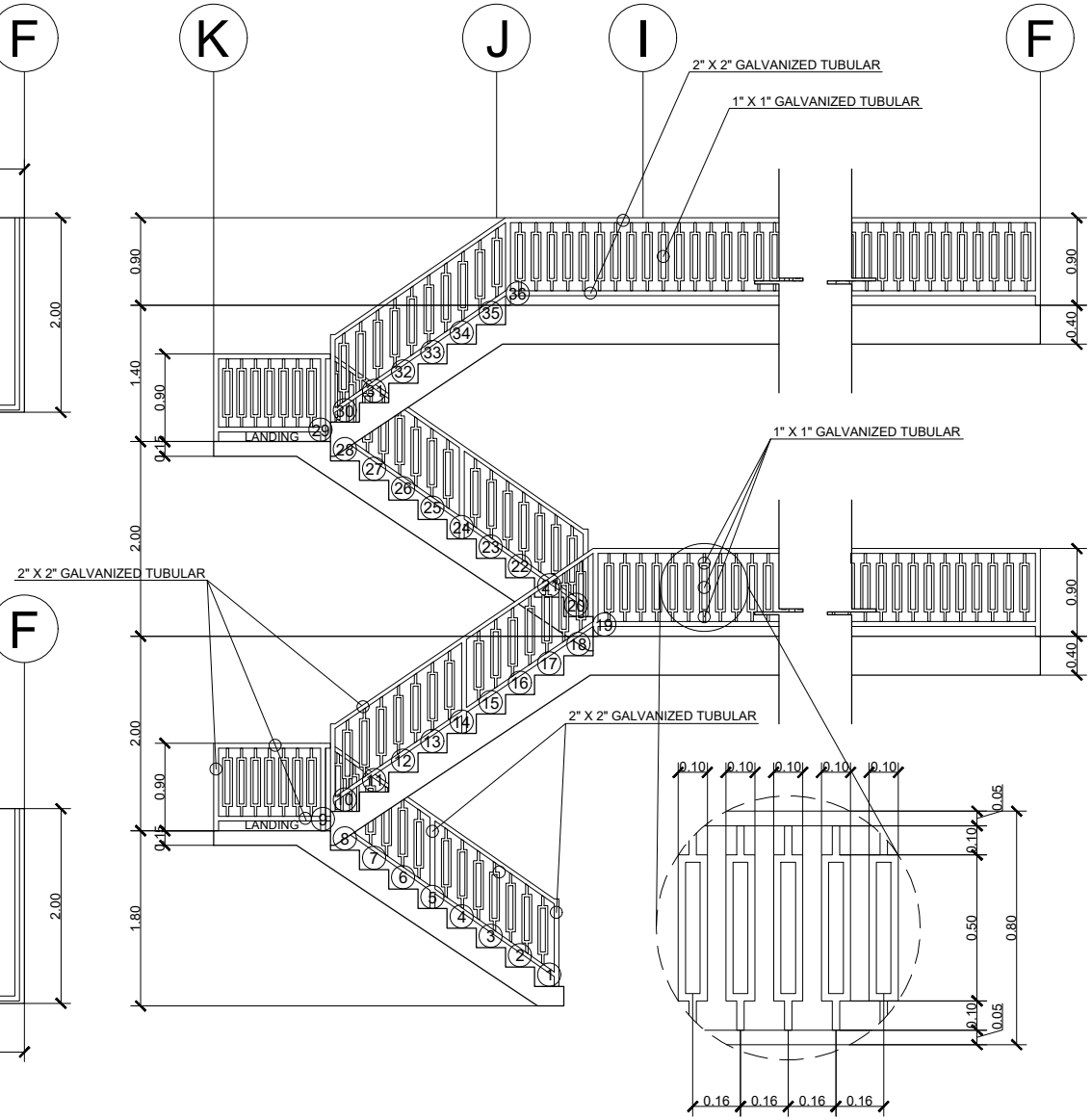
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	CONFERENCE ROOM REST ROOM PLAN SECTION THRU X-5 QUARTERS TOILET AND BATH PLAN SECTION THRU X-6 / SECTION THRU Y-6	A - 25



1 A-26 ROOF DECK LANDING/ BALCONY PLAN
SCALE 1:180 MTS

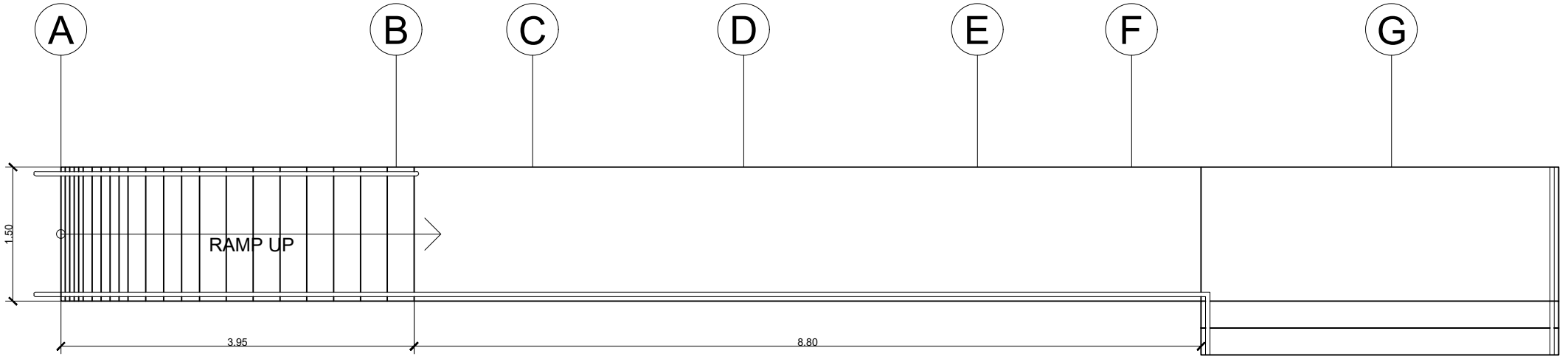


2 A-26 SECOND FLOOR LANDING/ BALCONY PLAN
SCALE 1:180 MTS

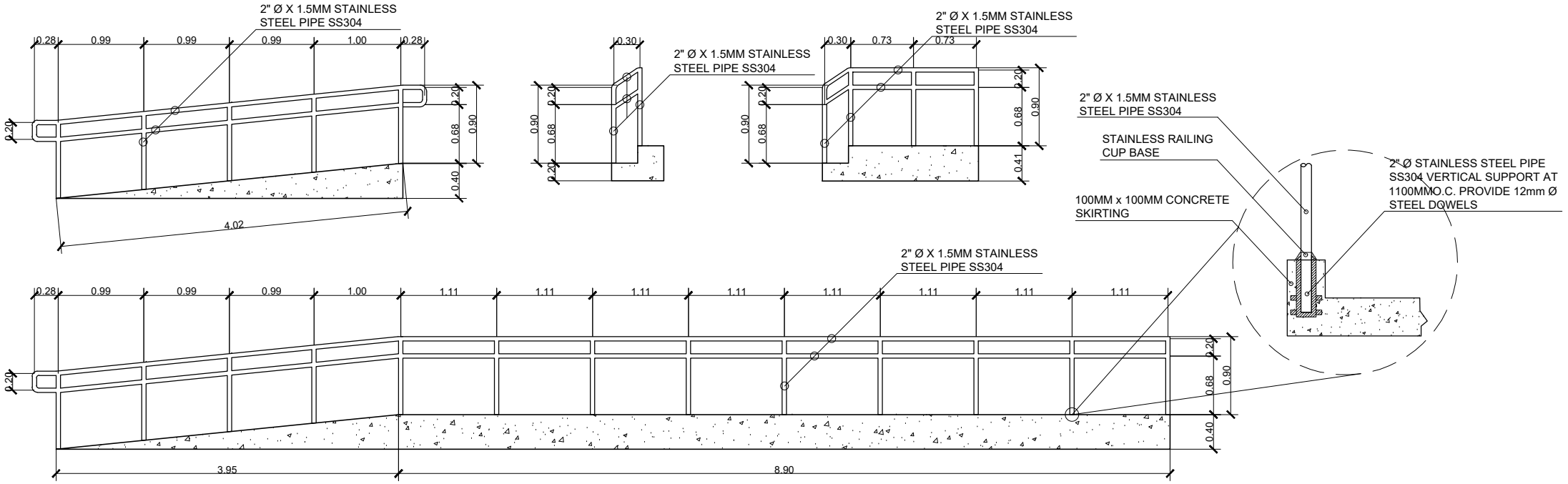


3 A-26 STAIR SECTION
SCALE 1:180 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	ROOF DECK LANDING/ BALCONY PLAN SECOND FLOOR LANDING/ BALCONY STAIR SECTION	A - 26



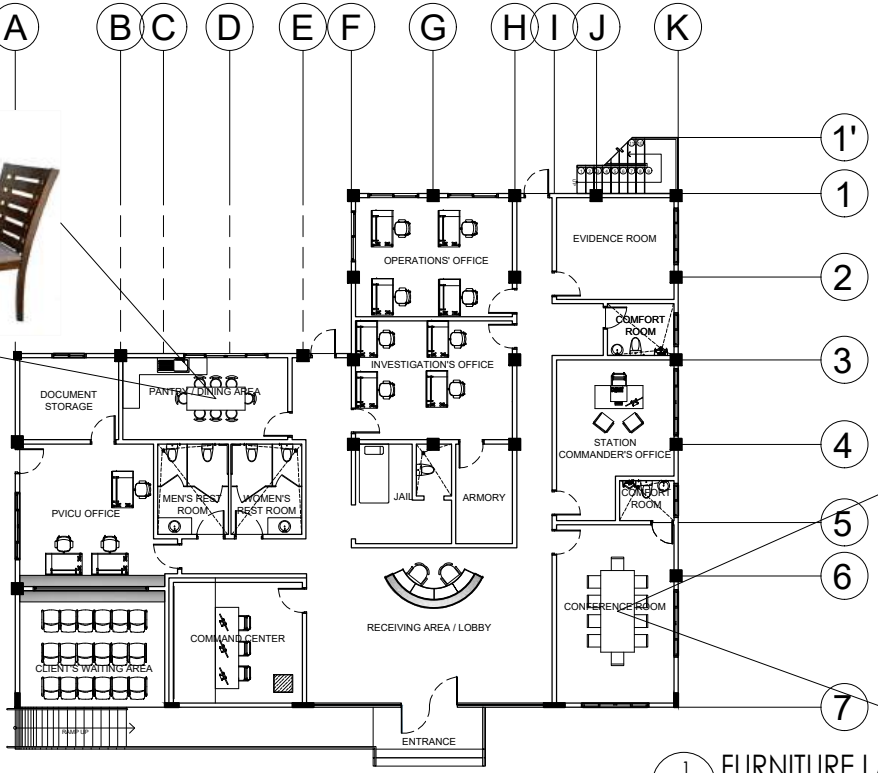
1 A-27 RAMP RAILINGS PLAN
SCALE NTS



2 A-27 RAMP RAILINGS SECTION
SCALE NTS

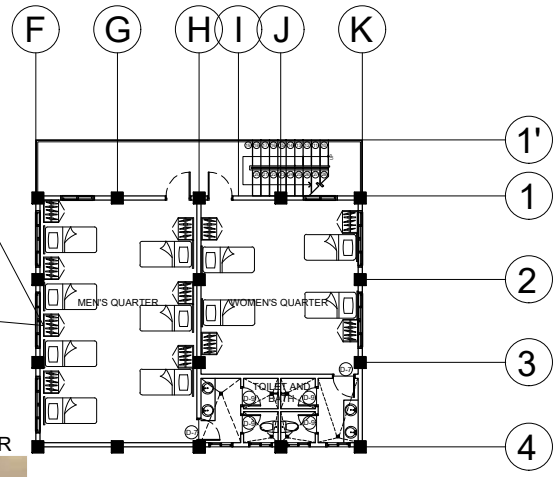
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	RAMP RAILINGS PLAN RAMP RAILINGS SECTION	A - 27

DINING TABLE SET

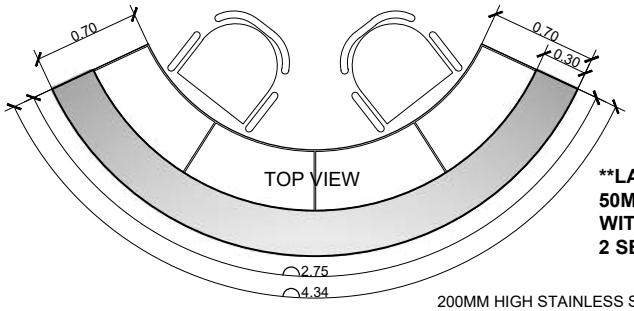


1 A-28 FURNITURE LAYOUT
SCALE NTS

WARDROBE CABINET



CONFERENCE TABLE AND CHAIR



**LAMINATED PANELS
50MM LAMINATED TABLE TOP
WITH GROMMET AND DRAWER
2 SETS OF CHAIRS INCLUDED

500MM DIAMETER X 2MM THICK
STAINLESS PEZA LOGO (COLORED
AS SHOWN)

300MM HIGH X 2MM THICK
STAINLESS STEEL LETTER

PHILIPPINE ECONOMIC ZONE AUTHORITY

0.30

POLICE STATION

0.40

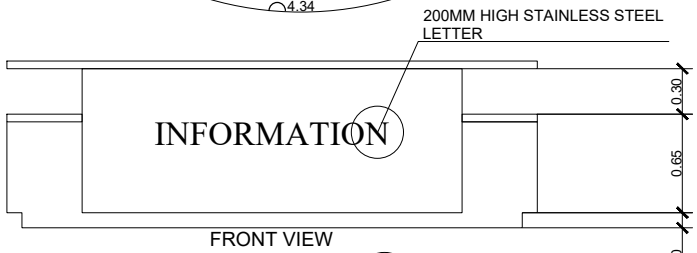
CAVITE ECONOMIC ZONE

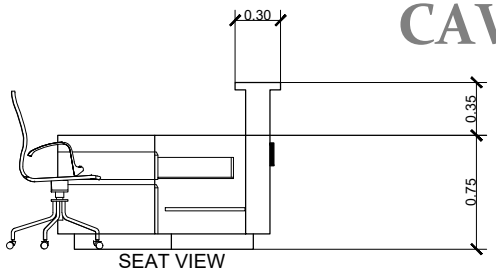
0.30

400MM HIGH X 2MM THICK
STAINLESS STEEL LETTER

300MM HIGH X 2MM THICK
STAINLESS STEEL LETTER

2 A-27 STAINLESS STEEL LOGO & LETTERS
SCALE NTS





3 A-28 FRONT DESL DETAIL
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	FURNITURE LAYOUT STAINLESS STEEL LOGO AND LETTERS FRONT DESK DETAIL	A - 28

COMMISSION ON AUDIT

PROVINCE OF CAVITE

PROJECT: COST:

LOCATION: FUND SOURCE/S:

IMPLEMENTING AGENCY/IES: _____
DEVELOPMENT PARTNER/S: _____
CONCTRACTOR/ SUPPLIER: _____
BRIEF DESCRIPTION OF PROJECT: _____

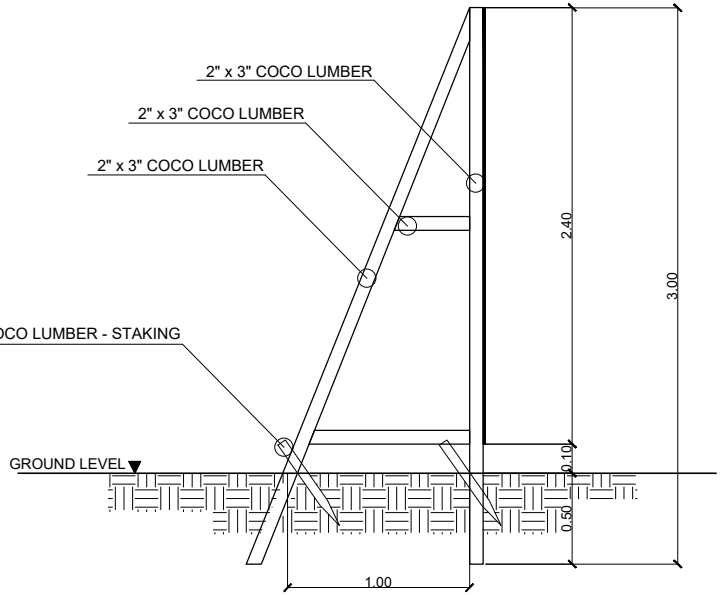
PROJECT DETAILS:

PROJECT DATE			PROJECT STATUS				REMARKS
DURATION	STARTED	TARGET DATE OF COMPLETION	PERECENTAGE OF COMPLETION	AS OF (DATE)	COST INCURRED TO DATE	DATE COMPLETED	

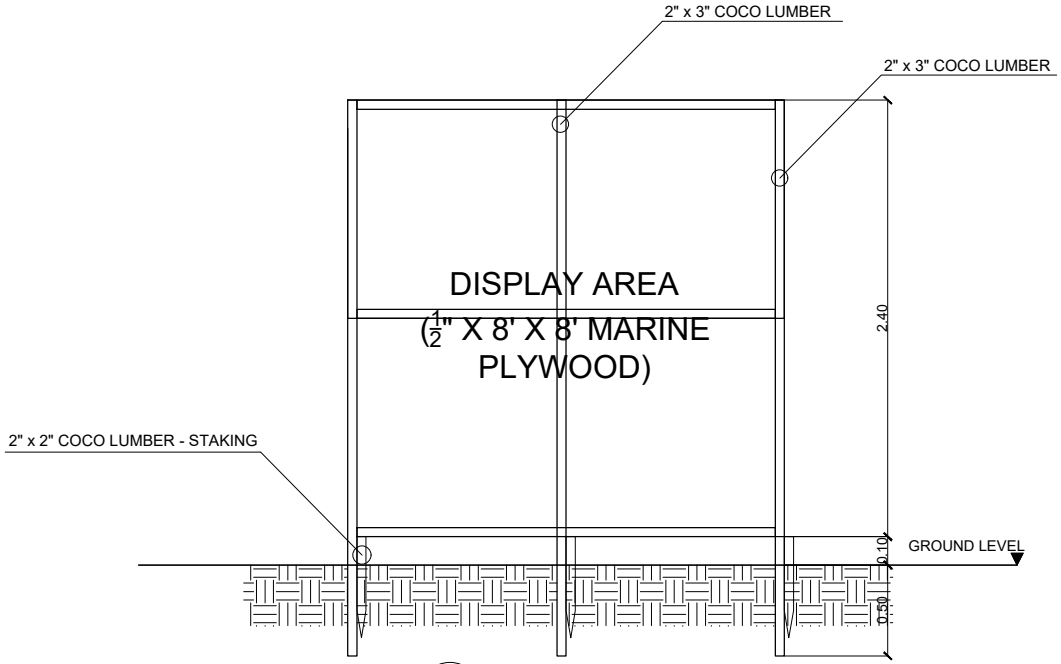
FOR PARTICULARS OR COMPLAINTS ABOUT THIS PROJECT, PLEASE CONTACT THE REGIONAL OFFICE OR CLUSTER WHIS HAS AUDIT JURISDICTION ON YHIS PROJECT:

COA REGIONAL OFFICE NO./ CLUSTER: _____
ADDRESS: _____
CONTECT NO.: _____ OR TEXT COA CITIZEN'S DESK

1 A-29 COA PROJECT BILLBOARD
SCALE NTS



2 A-29 TYPICAL FRAME ELEVATION
SCALE NTS



3 A-29 FRONT ELEVATION
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	COA PROJECT BILLBOARD DETAIL TYPICAL FRAME ELEVATION FRONT ELEVATION	A - 29

1. THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCOSISTENCIES.

3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.

4. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR FAMILIAR WORK.

5. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING CODES:
UNIFORM BUILDING CODE, 1994 EDITION
NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOLUME I CURRENT EDITION AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.

6. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CHECKING AGENCY PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.

7. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
B. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
D. EXTERIOR WALL SYSTEM.
E. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
F. STAIR FRAMING AND DETAILS.
G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

7. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
C. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE.
D. ANCHOR BOLTS FOR MOTOR MOUNTS.
E. SIZE, WEIGHT AND LOCATION OF MACHINES AND EQUIPMENT BASES.

9. MECHANICAL AND ELECTRICAL LOADS MAY BE SUPPORTED FROM BEAMS. LIGHT MECHANICAL AND ELECTRICAL LOADS ANCHORED INTO METAL DECK ASSEMBLY MUST BE ANCHORED INTO STRUCTURAL CONCRETE ABOVE. SEE STEEL DECKING NOTES IF NO CONCRETE IS USED. STAIR FRAMING, WHEN NOT SPECIFICALLY DETAILED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS, SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR AND MAY BE SUPPORTED BY THE PRIMARY STRUCTURE. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ANCILLARY MEMBERS INCLUDING BUT NOT LIMITED TO BEAMS, COLUMNS, POSTS, FOOTINGS, STIFFENERS, GUSSETS, KICKERS, BRACES, ETC., AND THE ATTENDANT CONNECTIONS, AS REQUIRED BY THE BUILDING STRUCTURAL ENGINEER, TO SUPPORT LOADS IMPOSED BY THE STAIR FRAMING ON THE PRIMARY STRUCTURE. STAIR FRAMING SHALL BE DESIGNED TO NOT IMPOSE ANY TORSIONAL LOADS ON THE PRIMARY STRUCTURE. SPECIAL STAIR FRAMING SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR.

10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

11. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC. LARGER THAN 6 INCHES NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.

12. SPECIFICATIONS, CODES AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS ARE ASTM LATEST EDITION THE CONTRACTOR SHALL INVESTIGATE SITE FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.

13. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD ISANTICIPATED.

14. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER THE ORIGINAL COPIES AND TWO (2) SETS OF PRINT OF STRUCTURAL AS BUILT PLANS SHOWING ALL WORKS DONE, INCLUDING CHANGES IF ANY. THESE PLANS SHALL BE MARK CERTIFIED TRUE AND CORRECT AND SIGNED BY THE CONTRACTOR.

NOTES ON FOUNDATION

1. FOUNDATION DESIGN WAS BASED ON GEOTECHNICAL REPORT BY CADDKO GEO ENG'G & DRILLING SVCS prepared by Engr.CLIPPER N. BESIN dated 19 FEBRUARY 2019 for the REHABILITATION OF PEZA CEZ Building. The Soil Bearing Capacity used is based on Tarzhaggi's Formula
SOIL BEARING CAPACITY OF 150 Kpa , H20 level @ 3.30m and DEPTH OF FOOTING = 2.00 m from NGL.
SIESMIC PARAMETERS Na = 1.0 and Nv = 1.0 at Zone 4 where Z = 0.40
3. IF FOUNDED ON VOLCANIC TUFF (ADOBE) AND WHERE FISSURE(S) EXIST FOOTING SHALL FIRST BE CLEANED OF LOOSE SOIL OR ROCK AND FISSURE(S) TO BE PLUGGED WITH CONCRETE OF 1:3:6 MIXTURE BEFORE REINFORCEMENTS ARE PLACED.

4. NO FOOTING SHALL REST ON FILL.

5. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 75MM FOR CONCRETE DEPOSITED AGAINST THE GROUND.

6. SLABS ON GRADE FOR BUILDINGS SHALL BE SUPPORTED ON ENGINEERED COMPACTED FILL COMPACTION SHALL BE NO LESS THAN 95% OF OPTIMUM DENSITY AND SHALL CONFORM TO ASTM D1557.

7. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.

8. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.

9. EXCAVATION AND COMPACTING IF REQUIRED, SHALL BE APPROVED BY THE GOVERNING AGENCY AND THE FOUNDATION ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. FOUNDATION ENGINEER TO SUBMIT LETTER OF COMPLIANCE TO OWNER.

10. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE WALLS HAVE ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.

11. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE FOUNDATION ENGINEER, FOOTING ELEVATIONS WILL BE ALTERED AS REQUIRED.

12. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS, IN ACCORDANCE WITH SOIL REPORT. FLOODING WILL NOT BE PERMITTED.

13. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.

14. ALL EARTHWORK SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT RECOMMENDATIONS.

LOADING CRITERIA PURSUANT TO 2015 NSCP

A.	DEAD LOADS	
1.	REINFORCED CONCRETE	23.54 KN/m3
2.	SUPERIMPOSED DEAD LOADS:	
3.1	SELFWEIGHT	
3.2	6 CHB	4.52 KN/m
3.3	FLOOR LOAD	5.216 KPa
B.	LIVE LOADS	
1.	FLOOR	1.92 KPA
2.	STAIR	2.00 KPA

NOTES ON CONCRETE MIXES & PLACING

1. UNLESS OTHERWISE INDICATED IN THE PLANS OR NOTED ON THE SPECIFICATIONS, THE MINIMUM 28-DAY CYLINDER COMPRESSIVE STRENGTH OF CONCRETE SHALL BE AS FOLLOWS:

1.1	FOOTINGS	fc' 4000 psi
1.2	COLUMNS	fc' 4000 psi
1.3	R.C. FLOOR BEAMS AND GIRDERS SHEAR WALLS AND CANOPY	fc' 4000 PSI
1.4	PARAPETS AND CURTAIN WALLS, FILLER WALLS AND GUTTER	fc' 3000 psi
1.5	SLAB ON FILL/GRADE, BEDDED SLABS, PARTITIONS, SIDEWALKS & PAVEMENTS	fc' 3000 psi
1.6	RETAINING WALL, SHEAR WALL, LOAD BEARING WALL	fc' 3000 psi
1.7	BORED PILES	fc' 5000 psi
1.8	LEAN CONCRETE	fc' 3000 psi

2. CONCRETE SHALL BE IN ITS FINAL POSITION WITHOUT FLOWING, PLACING SHALL BE DONE PREFERABLE BUGGIES, BUCKETS OR WILL NO CHUTES SHALL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUGGIES, WHEEL BARROWS OR BUCKETS IN WHICH CASE THEY WILL NOT EXCEED 6100mm IN AGGREGATE LENGTH.

3. NO DEPOSITING NOF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS OTHERWISE. IN WRITING BY THE DESIGNERS AND ONLY FOR UNSUAL CONDITIONS WHERE VIBRATION IS EXTREMELY DIFFICULT TO ACCOMPLISH.

4. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR TYPE II, LOW ALKALI.

5. AGGREGATE FOR HARDROCK CONCRETE - C-33. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.

6. FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS SHOWN ON THE DRAWINGS.

7. THE CONTRACTOR SHALL MAINTAIN A LOG OF STRUCTURAL SLAB ELEVATIONS BASED ON THE ARCHITECTURAL DRAWINGS PLUS THE ADDITION OF ANY CAMBERS INDICATED ON THE CONSTRUCTION DOCUMENTS. THIS LOG SHALL INDICATE SCREED ELEVATIONS PRIOR TO THE CONCRETE POUR, AND TOP OF CONCRETE SLAB PRIOR TO REMOVAL OF FORMS.

8. THE CONCRETE SLAB THICKNESS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN.

9. DRY PACK OR NON SHRINK GROUT UNDER BASEPLATES, SILL PLATES, ETC., SEE CONTRACT DOCUMENTS.

10. CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO C-94.

11. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS, SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.

12. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

13. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

14. CONDUIT OR PIPE SIZE (O.D) SHALL NOT EXCEED ONE THIRD OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

15. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 19MM CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

16. CURING COMPOUNDS USED ON CONCRETE TO RECIEVE A FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.

NOTES ON REINFORCING STEEL

1. UNLESS OTHERWISE SPECIFIED IN THE PLANS, THE MINIMUM YIELD STRENGTH OF REINFORCEMENT TO BE USE ORRESPONDING TO THE STRUCTURAL MEMBER SHALL BE AS ENUMERATED BELOW:

1.1	FOOTING AND FOOTING BEAMS fy 60000 psi
1.2	COLUMNS fy 60000 psi
1.3	SUSPENDED SLABS fy 60000 psi
1.4	R.C. FLOOR BEAMS AND GIRDERS fy 60000 psi
1.5	PARAPETS AND CURTAIN WALLS fy FILLER WALLS, CUTTER AND STAIRS
1.6	SLAB ON FILL/GRADE, BEDDED SLABS fy 40000 PARTITIONS, SIDEWALKS AND PAVEMENTS, CATCH BASINS, SUMP PITS, SEDIMENTATION TANKS, MANHOLES AND OTHER RELATED SANITARY STRUCTURES
1.7	RETAINING WALLS AND LOAD BEARING WALLS fy 60000 psi
1.8	COLUMN TIES AND STIRRUPS fy 40000 psi

2. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318), AND THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION BY THE C.R.S.I. AND THE W.C.R.S.I. OR AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.

3. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

4. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE VERTICAL REINFORCEMENT RESPECTIVELY, UNLESS NOTED OTHERWISE.

5. ALL BARS SHALL BE MARKED SO THEIR SPECIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.

6. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 152.4MM OR ONE FULL MESH PLUS 50.8MM, WHICHEVER IS GREATER.

7. REINFORCING SPLICES SHALL BE MADE AS INDICATED ON THE DRAWING.

8. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE VERTICAL REINFORCEMENTS RESPECTIVELY, UNLESS NOTED OTHERWISE.

9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.

NOTES ON MASONRY

1. CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO C90 GRADE N NORMAL WEIGHT USE UNITS OPEN ONE END, AND LOAD BEAM UNITS AT HORIZONTAL REINFORCING.

2. CEMENT SHALL BE SPECIFIED FOR CONCRETE.

3. MORTAR MIX SHALL CONFORM ITS REQUIREMENTS FOR TYPE I OF PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 12.4 MPA AT 28 DAYS. ADMIXTURE SHALL BE THE SAME LABEL.

4. GROUT SHALL CONFORM TO REQUIREMENTS FOR COARSE GROUT. GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH OF13.8 MPA AT 28 DAYS ADMIXTURE SHALL BE SKA GROUT AND OR EQUAL.

5. ADMIXTURES SHALL BE ADDED TO MORTAR OR GROUT RESPECTIVELY PER MANUFACTURER'S RECOMMENDATIONS.

6. PROVIDE A MINIMUM OF ONE BAR DIAMETER (330 MM MINIMUM) GROUT BETWEN MAIN REINFORCING AND MASONRY UNITS.

7. LOW-LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 1219 MM.

8. HIGH-LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH CHAPTER 24 OF THE GOVERNING CODE.

9. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, UNLESS NOTED OTHERWISE.

10. CELLS SHALL BE IN VERTICAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.

11. REFER TO ARCHITECTURAL DRAWING FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.

12. ASSUMED ULTIMATE COMPRESSIVE STRENGTH OF COMPLETED MASONRY WALL IS 10.34 MPA U.N.O.

NOTES ON CONCRETE SLAB

1. ALL SLAB REINFORCEMENTS SHALL BE 20mm CLEAR FROM BOTTOM OF SLAB.

2. LENGTH OF BAR CUT-OFF SHALL BE SPECIFIED ON ST-1C.

3. IF SLABS ARE REINFORCED BOTHWAYS, BARS ALONG THE SHORT SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN FOR BOTTOM BARS AND OVER THE LONGER SPAN BARS FOR TOP BARS.

4. TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACED NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0018 BT. (SEE SCHEDULE ON ST-1C)

5. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, CAMBER ALL R.C. SLAB 3mm PER 3000mm OF SHORTER SPAN.

6. UNLESS OTHERWISE NOTED IN PLANS, ALL BEDDED SLABS ARE TO BE REINFORCED WITH 10mmø AT 250mm O.C.

7. PROVIDE EXTRA REINFORCEMENT FOR CORNER SLAB (2 ADJACENT DISCONTINUOUS EDGE AS SHOWN ON ST-1C).

NOTES ON COLUMNS

1. CONFINEMENT TIES SHALL BE PROVIDED ON ALL COLUMNS AT BEAM COLUMN JOINTS UNLESS OTHERWISE SHOWN IN PLANS.

2. COLUMN TIES AND SPIRALS SHALL BE PROTECTED UNIFORMLY BY A COVERING OF CONCRETE MONOLITHICALLY WITH THE CORE OF MINIMUM THICKNESS OF 38mm AND NOT LESS 1/2 TIMES THE SIZE OF COARSE AGGREGATES.

NOTES ON CONCRETE WALLS

1. ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE NOTED ON PLANS. REINFORCNG BARS SHALL HAVE A 38mm MINIMUM CLEAR DISTANCE FROM WALL FACE EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE THE MINIMUM OF 75mm SHALL BE PROVIDED, AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR.

2. CARRY VERTICAL BARS AT LEAST 600mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES. ELSEWHERE STOP AT 50mm BELOW THE TOP OF THE SLAB OR SOLID BOND WHERE THE WALL ENDS. HORIZONTAL AND VERTICAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO FORTY (40) BAR DIAMETER AND WIRED SECURELY WITH NO.16 G.I. WIRE PROVIDED THAT THE ADJACENT BARS ARE STAGGERED AT LEAST 1500mm O.C.

3. UNLESS OTHERWISE NOTED IN THE PLAN, ALL OPENING IN WALLS 250mm THICK OR THICKER SHALL BE REINFORCED WITH 2-20mmø BARS. FOR 230mm, 200mm, 180mm AND 150mm WALLS, USE 2-16mmø BARS. FOR 130mm, AND 100mm, USE 2-12mmø BARS. (ALL WALL OPENINGS SHALL HAVE A VERTICAL REINFORCEMENT BENT TO U-FORM LIKE STIRRUPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED. ALL CONCRETE WORK SHALL BE REINFORCED WITH BARS OF AREA AT LEAST EQUAL TO THAT SPECIFIED IN ACI-318-91 BUILDING CODE.

NOTES ON REINFORCED
CONCRETE BEAMS & GIRDERS

1. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATION CAMBER ALL R.C. BEAMS AT LEAST 6MM FOR EVERY 4500MM AT SPAN EXCEPT CANTILEVERS WHICH SHALL BE 18MM FOR EVERY 3000MM OF CLEAR SPAN.

2. LENGTH OF BAR CUT-OFFS AND BAR CLEARANCES SHALL BE AS SPECIFIED

3. IF BEAM REINFORCING BARS END IN A WALL, THE CLEAR DISTANCE FROM THE BAR TO THE FURTHER FACE OF THE WALL SHALL NOT BE LESS THAN 5 BAR DIAMETERS. THE REINFORCING BARS SHALL TERMINATE ON A STANDARD 90 DEGREE HOOK, MINIMUM EMBEDMENT SHALL BE 40 BAR DIAMETERS FOR COMPRESSION BARS.

4. IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25MMø SEPARATORS BETWEEN LAYERS OF BARS AT 900MM ON CENTER IN NO CASE SHALL THERE BE LESS TAHN TWO SEPARATORS BETWEEN LAYERS OF BARS.

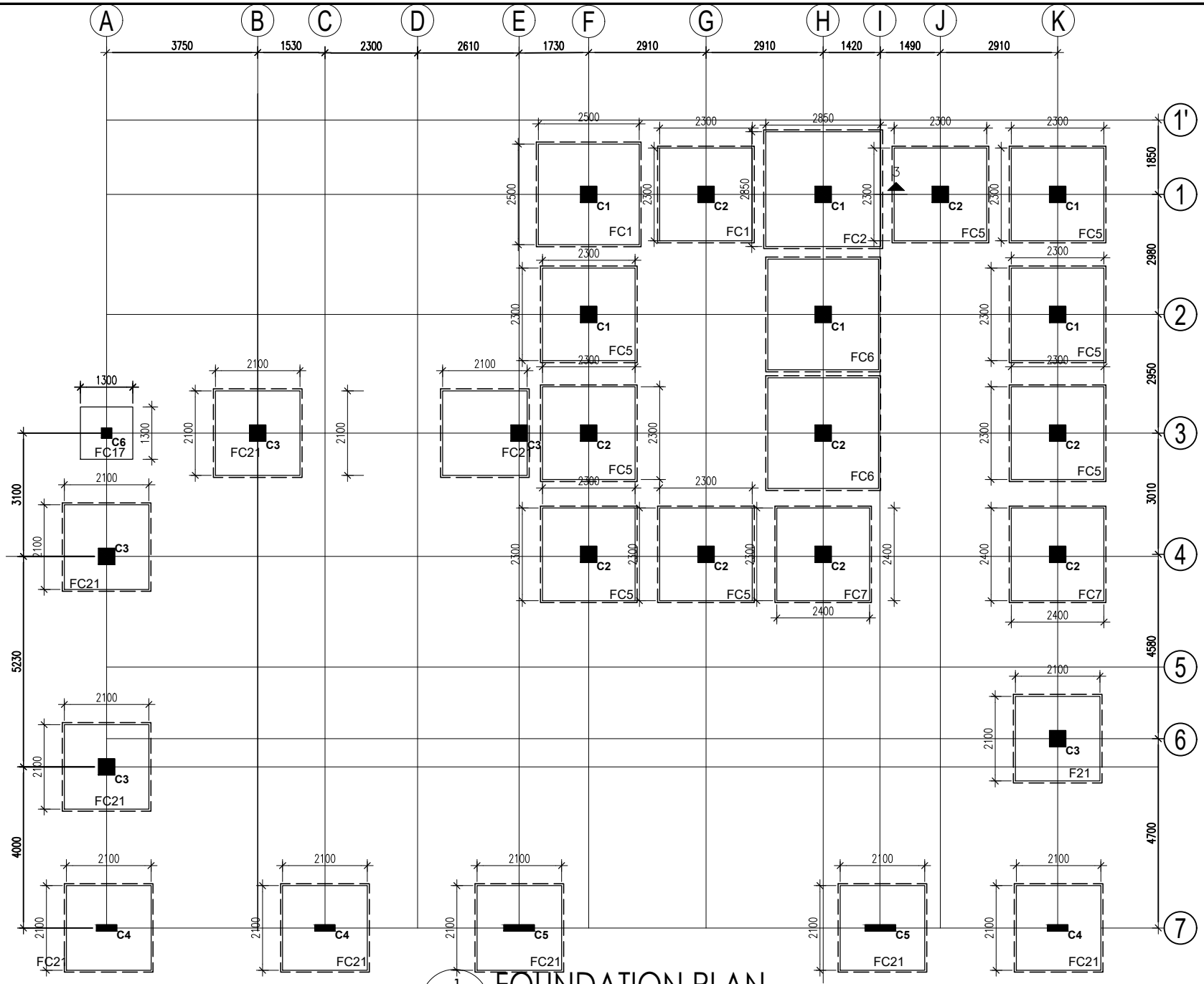
5. MINIMUM CONCRETE PROTECTION OF REINFORCING BARS OR SHAPES SHALL BE AS SHOWN.

6. WHEN A BEAM CROSSES A GIRDER, REST BEAM BARS ON TOP OF GIRDER BARS AT COLUMN INTERSECTION, GIRDER BARS SHALL BE ON TOP OF BEAM BARS.

7. GENERALLY, NO SPLICE SHALL BE BE PERMITTED ON BEAMS AT POINTS WHERE CRITICAL BENDING STRESSES OCCURS, SPLICES WERE PERMITTED SHALL BE SIXTY (60) BAR DIAMETER FOR PLAN BARS AND FOR DEFORMED BARS, AS ABSE ON THE PROVISION IN CHAPTER 12 OF WHEN LAPPED, WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST OF THE WELD STRENGTH OF THE BAR NOT MORE THAN 50% OF THE BARS AT ANY SECTION SHALL BE SPLICED THEREIN.

1 / S-1 GENERAL NOTES
SCALE NTS

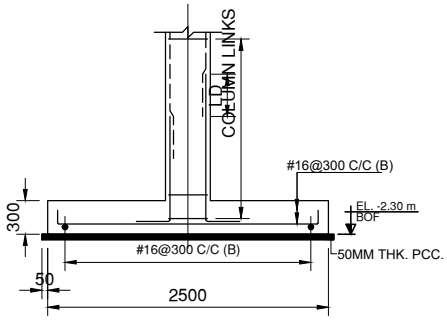
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	GENERAL NOTES	S - 1



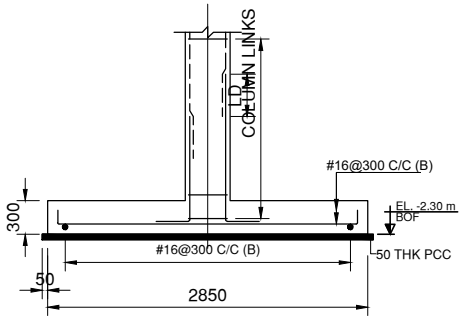
1 / S-2 FOUNDATION PLAN

SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	FOUNDATION PLAN	S - 2



SECTION 2-2



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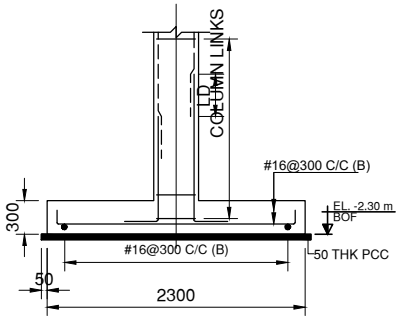

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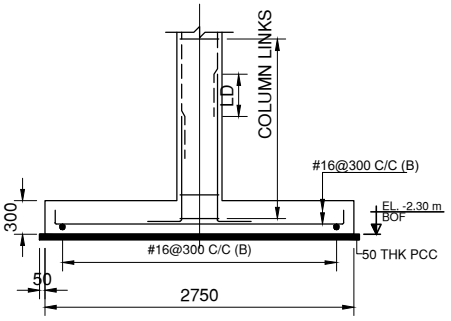
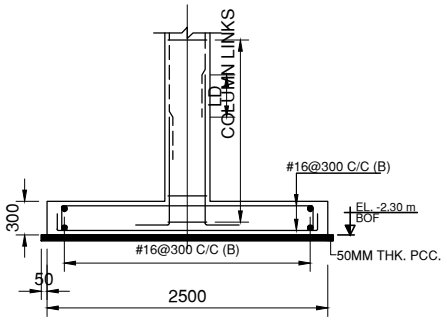
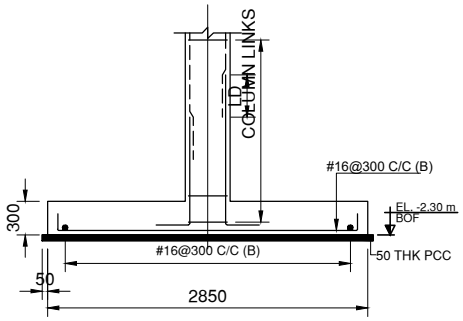


SECTION 8-8



SECTION 1-1



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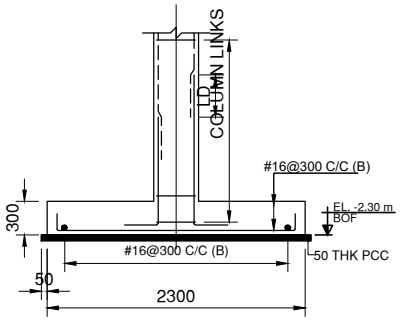
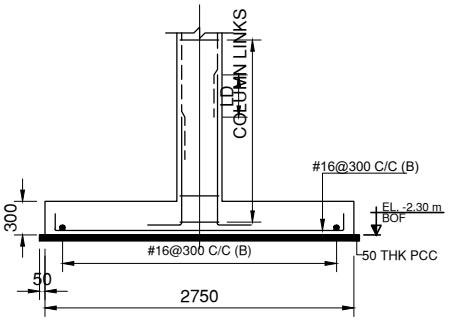
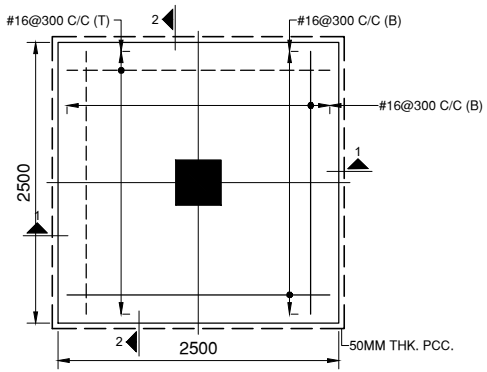


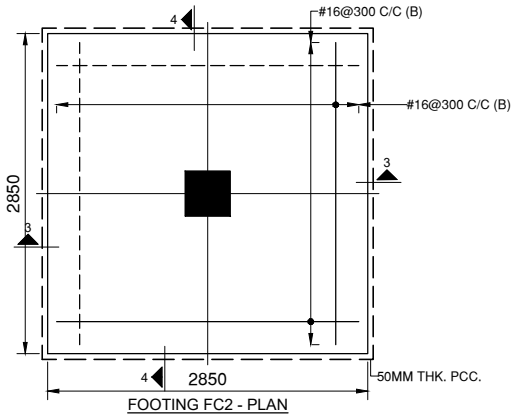
SECTION 5-5



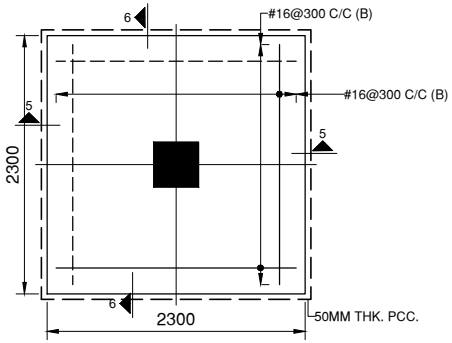
SECTION 7-7



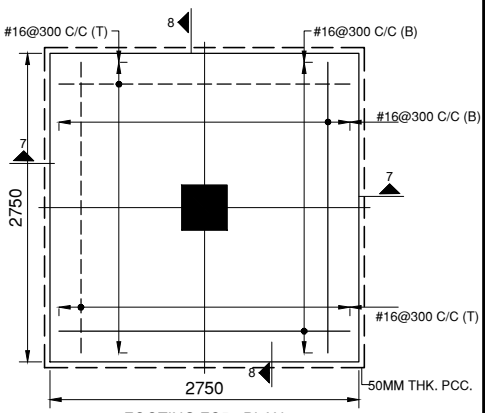
FOOTING FC1 - PLAN



FOOTING FC2 - PLAN



FOOTING FC5 - PLAN



FOOTING FC5 - PLAN

1 / S-3 DETAILED SECTION OF RC FOOTING

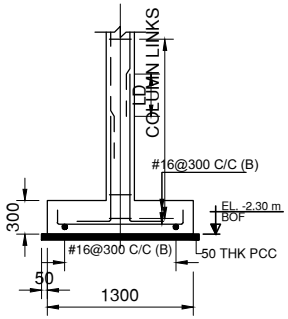
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	DETAILED SECTION OF RC FOOTING	S - 3

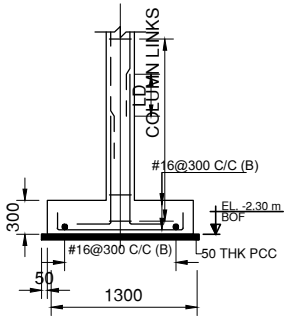
FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT				REMARKS
								BOTTOM		TOP		
			STEP	L	B	D1	D2	ALONG B	ALONG L	ALONG B	ALONG L	
FC1	C1, C2	Pad	-	2500	2500	300	-	10 - #16@300 C/C	10 - #16@300 C/C	-	-	-
FC2	C1	Pad	-	2850	2850	300	-	11 - #16@300 C/C	11 - #16@300 C/C	-	-	-
FC5	C1, C2	Pad	-	2300	2300	300	-	9 - #16@300 C/C	9 - #16@300 C/C	-	-	-
FC6	C1, C2	Pad	-	2750	2750	300	-	11 - #16@300 C/C	11 - #16@300 C/C	-	-	-
FC17	C6	Pad	-	1300	1300	300	-	6 - #16@300 C/C	6 - #16@300 C/C	-	-	-
FC21	C3,C4,C5	Pad	-	2100	2100	300	-	6 - #16@300 C/C	6 - #16@300 C/C	-	-	-
FC7	C2	Pad	-	2400	2400	300	-	8 - #16@300 C/C	9 - #16@300 C/C	-	-	-

1 S-4 SCHEDULE OF FOOTING

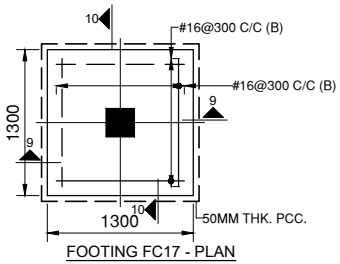
SCALE NTS



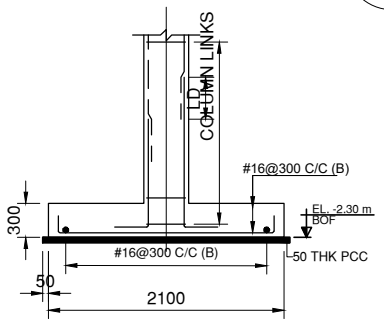
SECTION 10-10



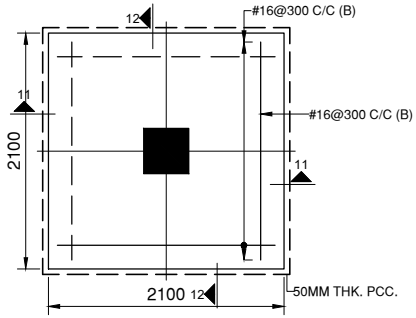
SECTION 9-9

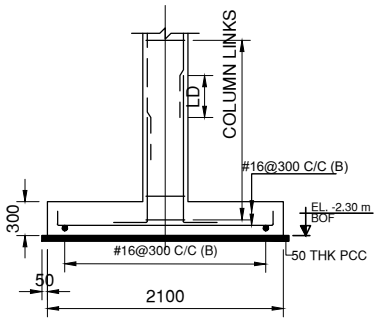


FOOTING FC17 - PLAN



SECTION 12-12





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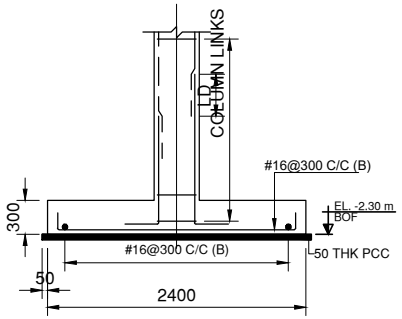
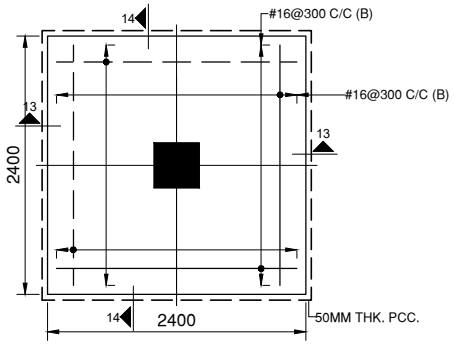
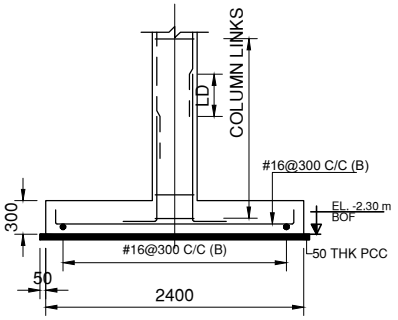


SECTION 14-14



FOOTING FC7 - PLAN

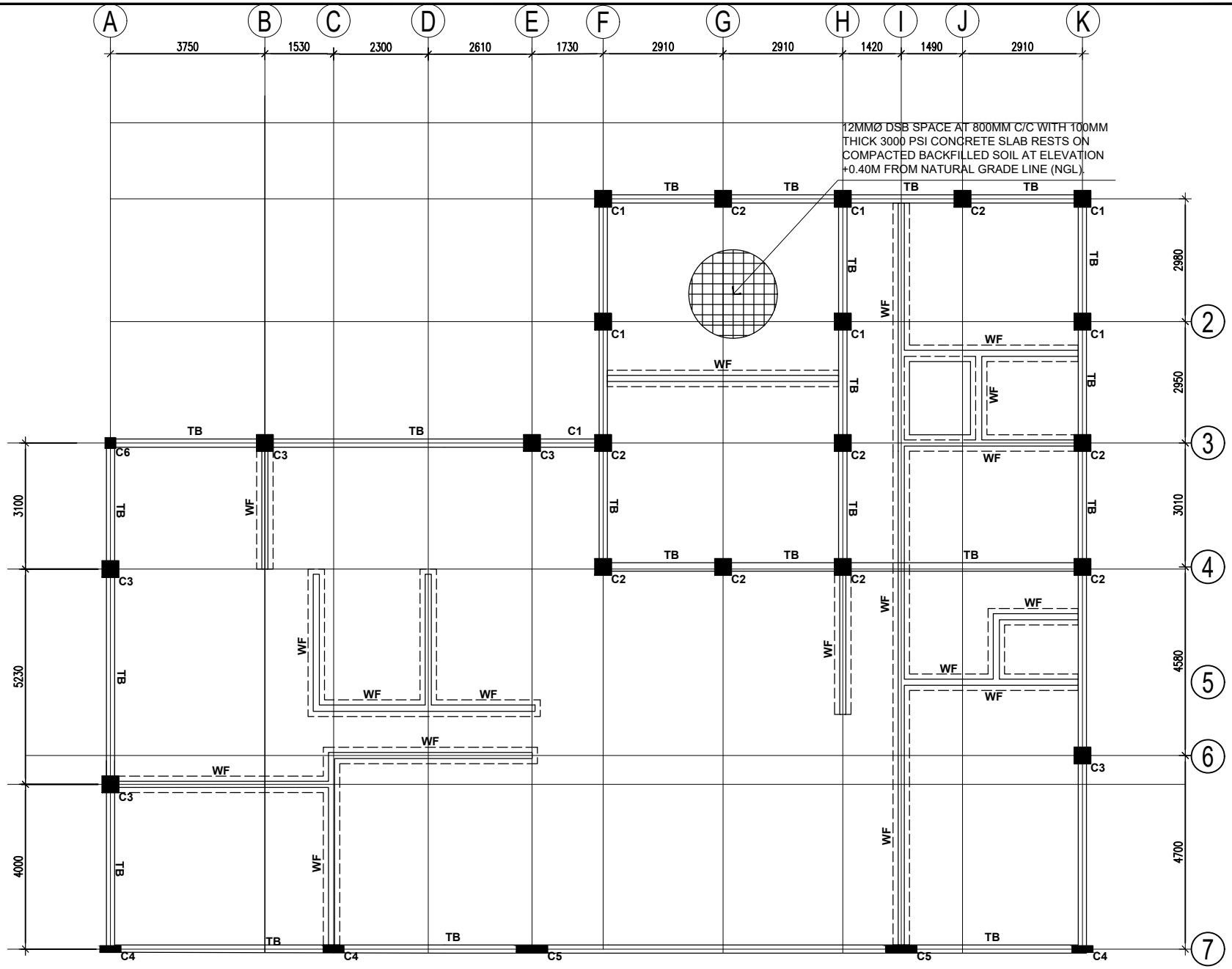


SECTION 14-14

2 S-4 DETAILED SECTION OF RC FOOTING

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF FOOTING DETAILED SECTION OF RC FOOTING	S - 4



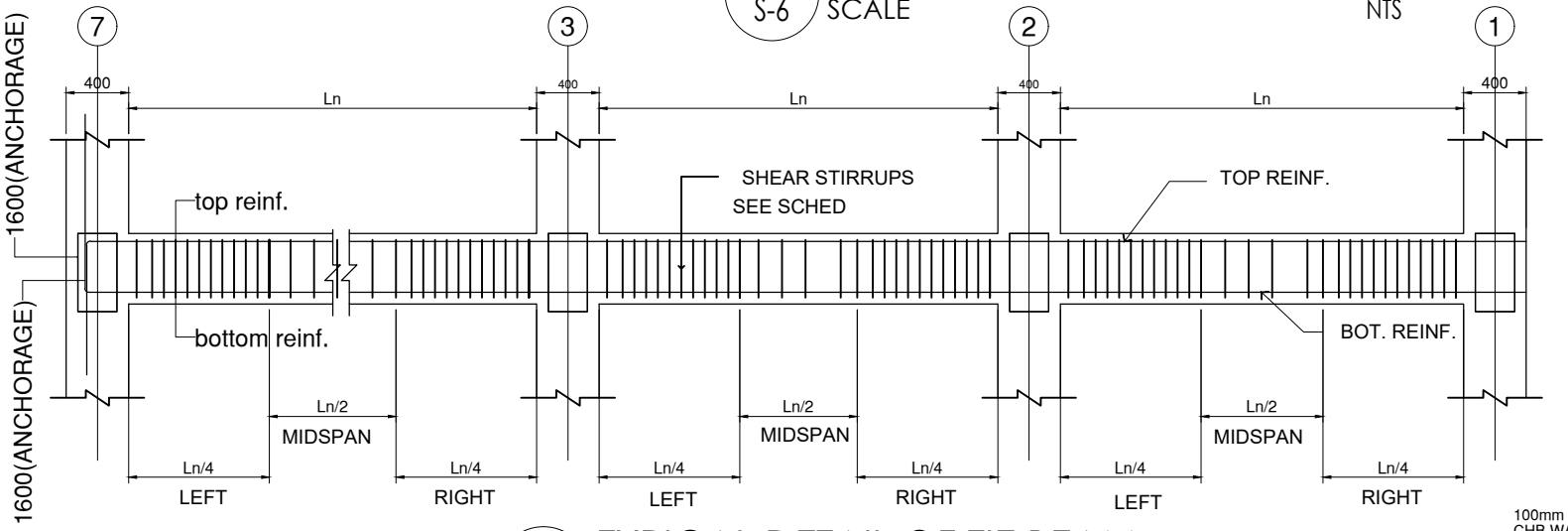
GRADE BEAM (TIE BEAM) FRAMING PLAN

1
S-5
SCALE 1:100 MTS

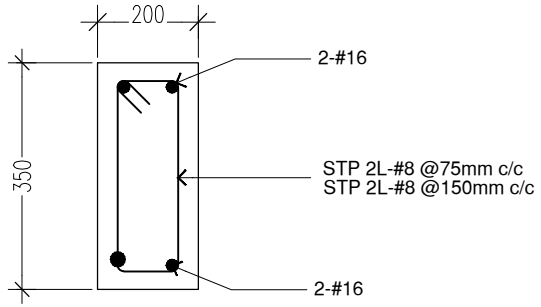
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	GRADE BEAM (TIE BEAM) FRAMING PLAN	S - 5

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1 & B8	200	350	2-#16	2-#16	2-#16	2-#16	2-#16	2-#16	#8Ø@75 C/C	#8Ø@150 C/C	#8Ø@75 C/C	-

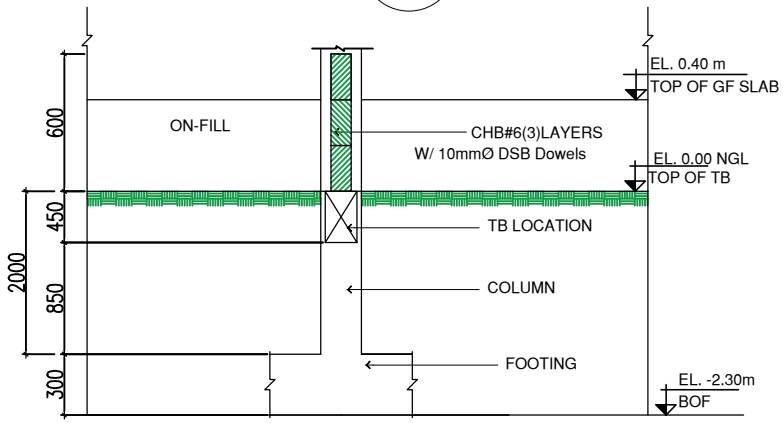
1 S-6 SCHEDULE OF GRADE BEAM
SCALE NTS



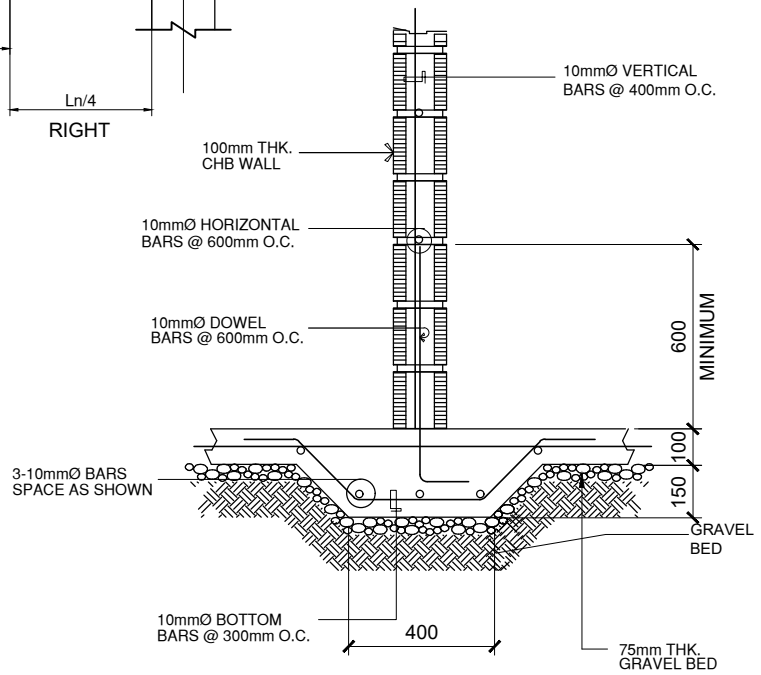
3 S-6 TIE BEAM SECTION
SCALE NTS



2 S-6 TYPICAL DETAIL OF TIE BEAM
SCALE NTS

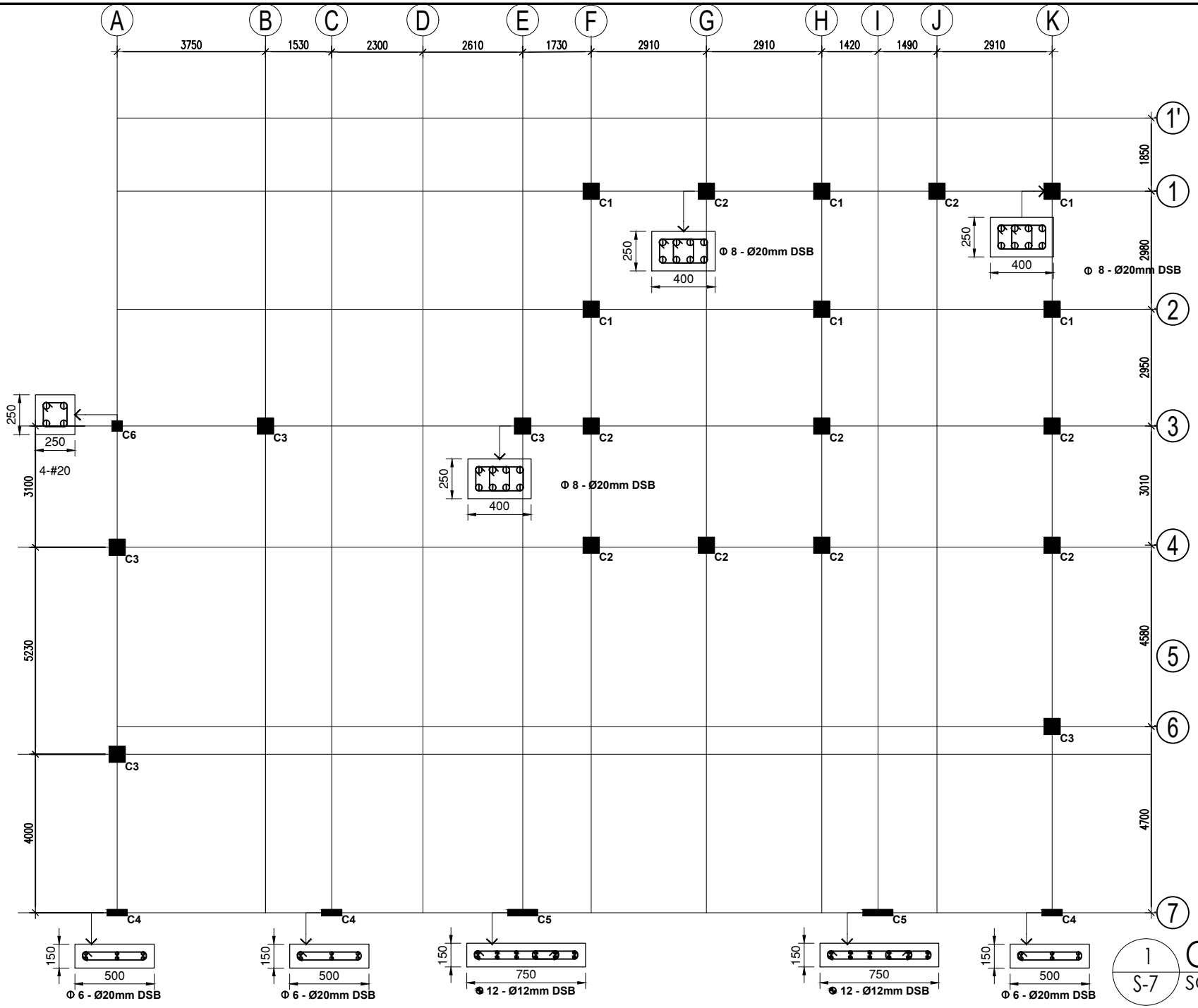


4 S-6 DETAIL AND LOCATION OF TIE BEAM
SCALE NTS



5 S-6 WALL FOOTING TYPICAL DETAIL
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF GRADE BEAM TYPICAL DETAIL OF TIE BEAM TIE BEAM SECTION DETAIL AND LOCATION OF TIE BEAM WALL FOOTING DETAIL	S - 6

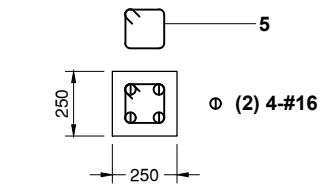


1 / S-7

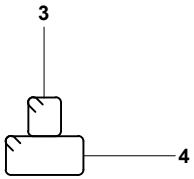
COLUMNIZATION PLAN

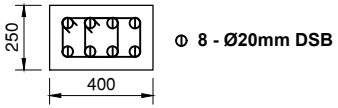
SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION 2 LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	COLUMNIZATION PLAN	S - 7

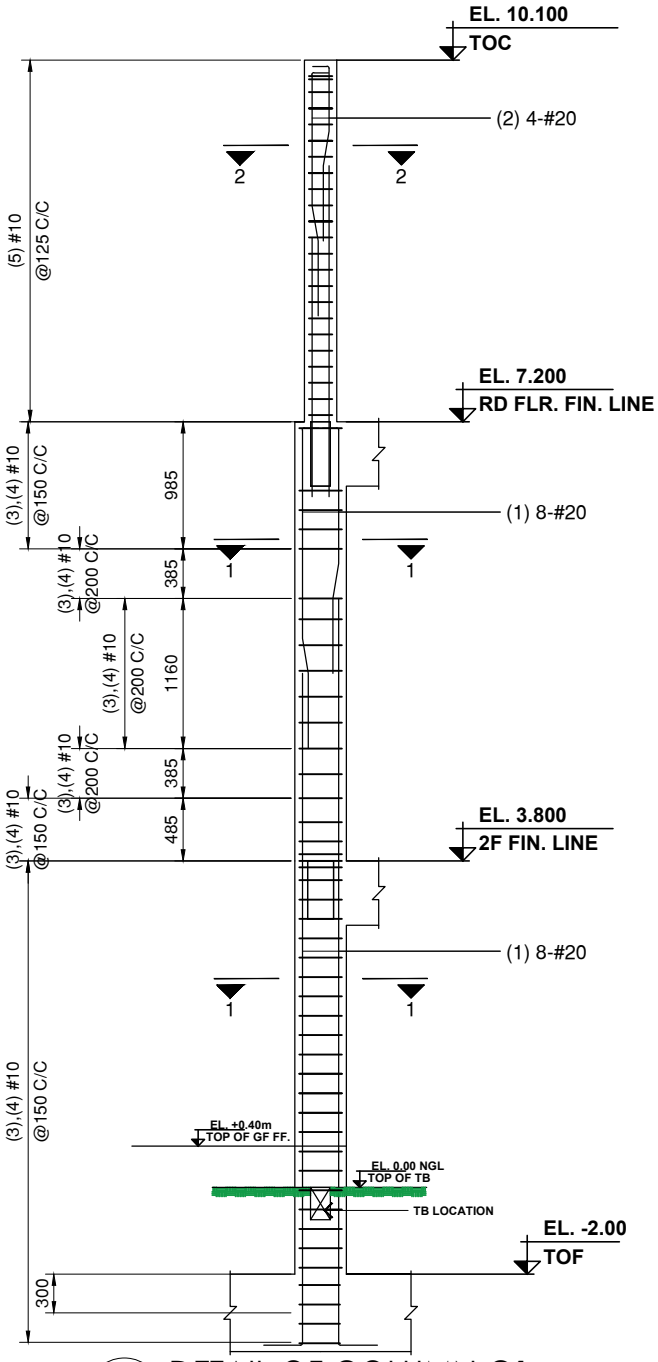


SECTION 2-2 (C1)
(SCALE 1:25)

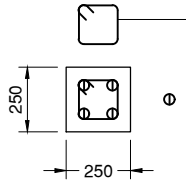




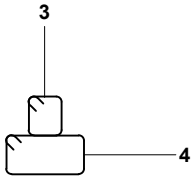
SECTION 1-1 (C1)
(SCALE 1:25)

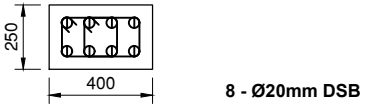


1 S-8 DETAIL OF COLUMN C1
SCALE NTS

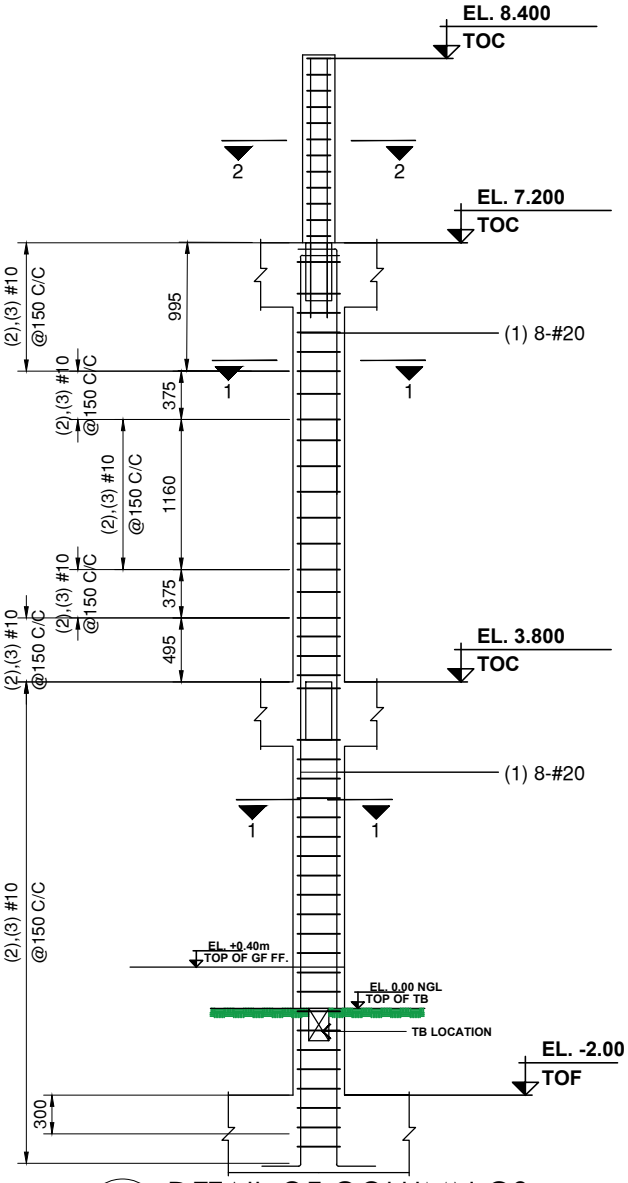


SECTION 2-2 (C2)
(SCALE 1:25)



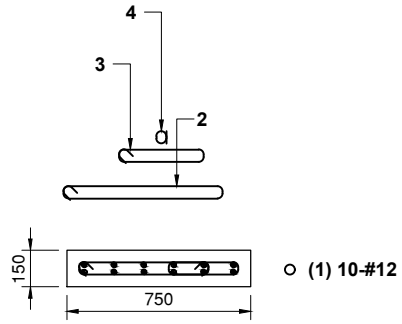


SECTION 1-1 (C2)
(SCALE 1:25)

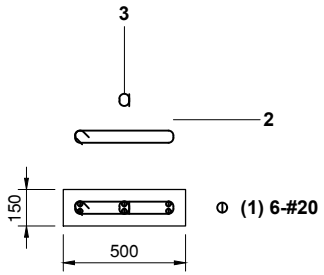


2 S-8 DETAIL OF COLUMN C2
SCALE NTS

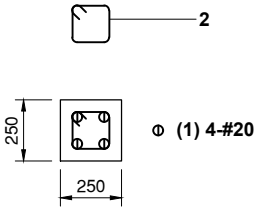
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	DETAIL OF COLUMN C1 DETAIL OF COLUMN C2	S - 8



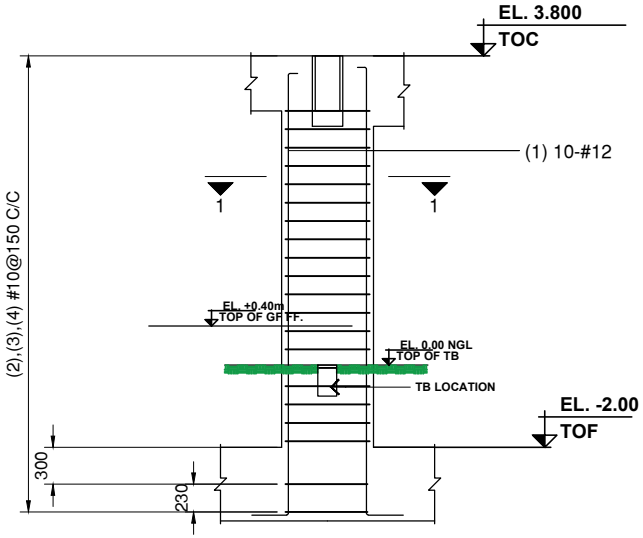
SECTION 1-1 (C5)
(SCALE 1:25)



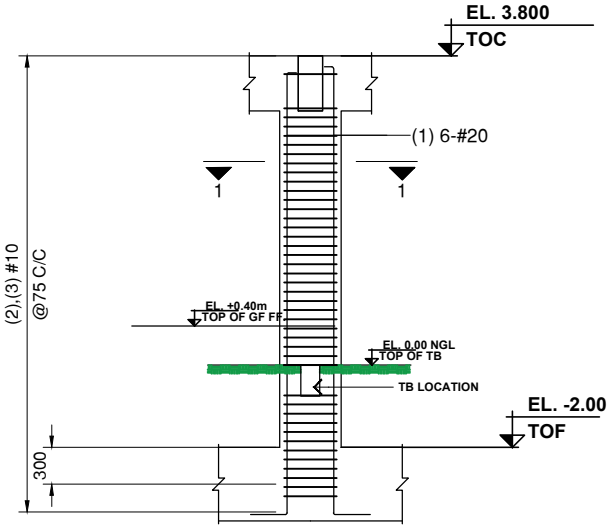
SECTION 1-1 (C4)
(SCALE 1:25)



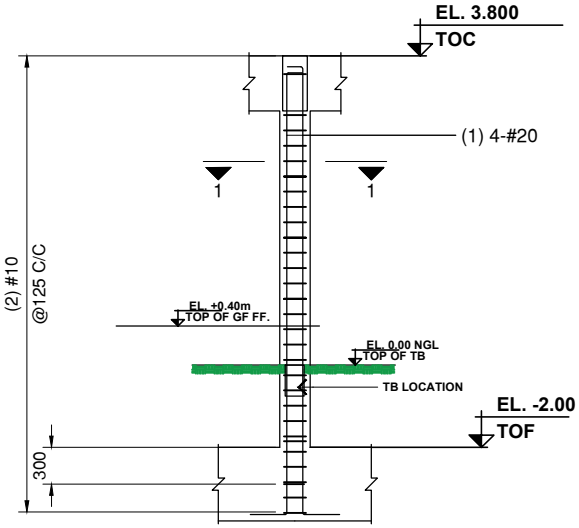
SECTION 1-1 (C6)
(SCALE 1:25)



1 / S-9 DETAIL OF COLUMN C5
SCALE NTS

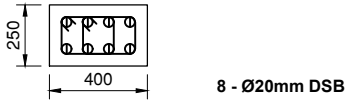


2 / S-9 DETAIL OF COLUMN C4
SCALE NTS



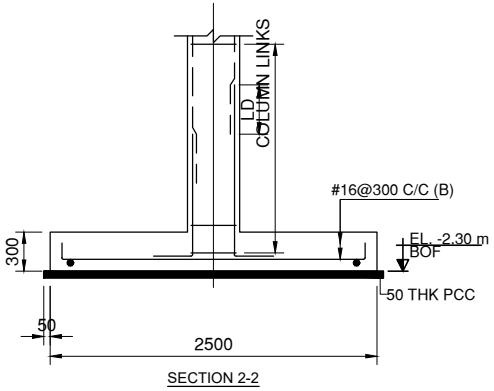
3 / S-9 DETAIL OF COLUMN C6
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	DETAIL OF COLUMN C5 DETAIL OF COLUMN C4 DETAIL OF COLUMN C6	S - 9

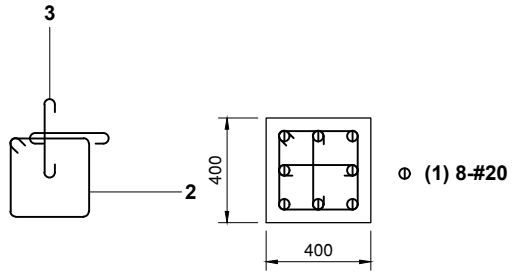


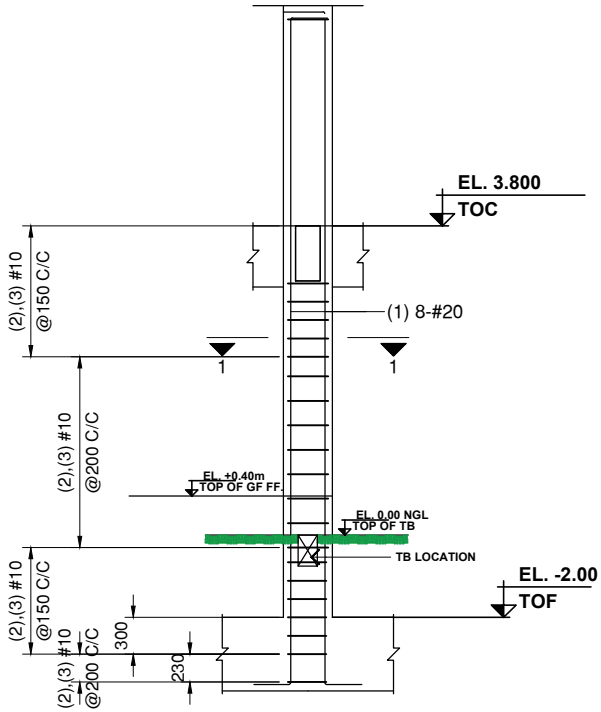
8 - Ø20mm DSB

SECTION 1-1 (C3)
(SCALE 1:25)

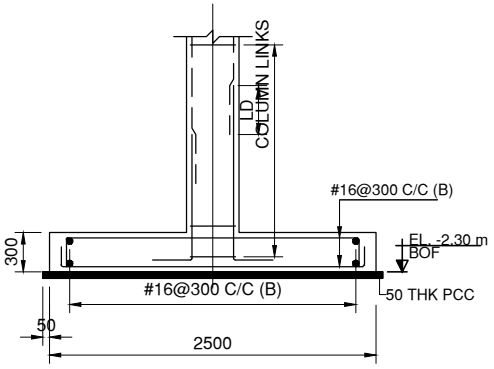


SECTION 2-2

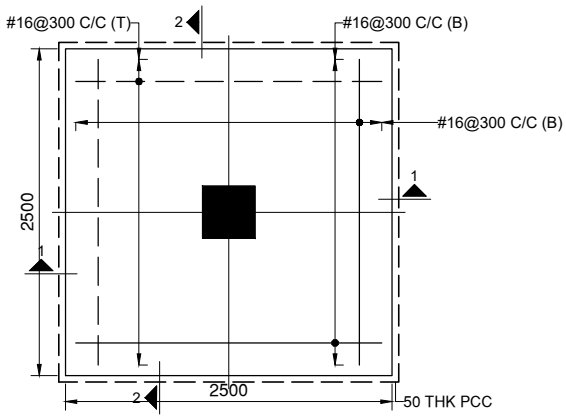




1 / S-10 DETAIL OF COLUMN C3
SCALE NTS



SECTION 1-1



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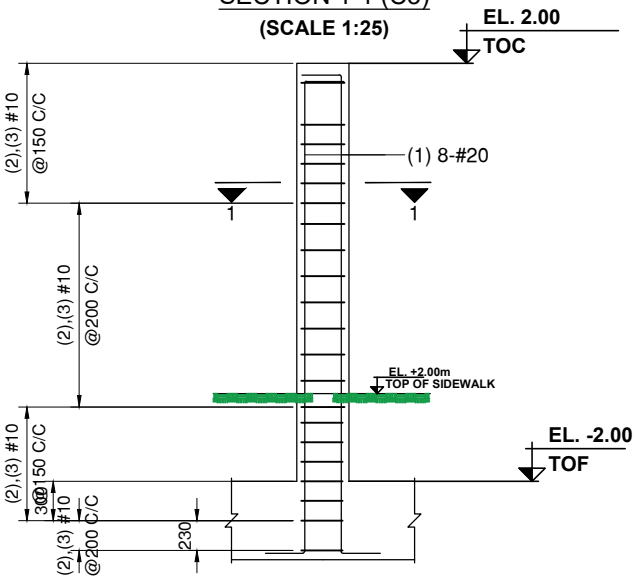
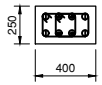
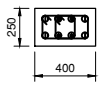
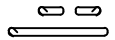
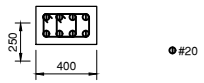
(SCALE 1:25)



2 / S-10 DETAIL OF SERVICE ENTRANCE COLUMN
SCALE NTS

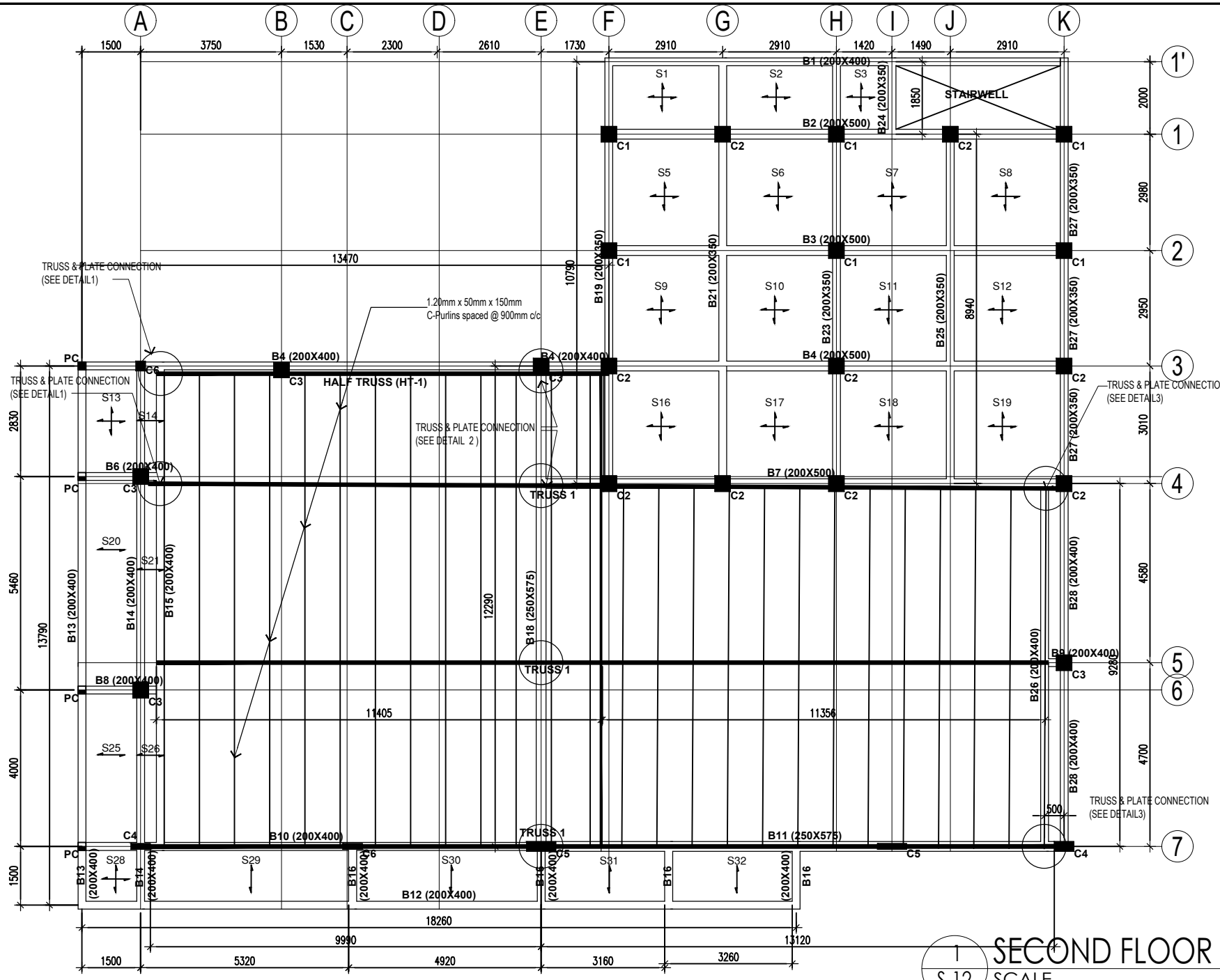
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	DETAIL OF COLUMN C3 DETAIL OF SERVICE ENTRANCE COLUMN	S - 10

7.2 M **TO** **10 M** NOTE: C1 shall be extended at 10.10m and C2 at 8.4m level	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 470 MM 					
	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS					
	#10 @ 125 / / #10 @ 125					
	4 - #16					
3.8 M TO 7.2 M	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 485 MM 	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 500 MM 				
	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS				
	#10 @ 150 / #10 @ 150 / #10 @ 150	#10 @ 125 / #10 @ 125 / #10 @ 75				
						
	4-#20 & 4-#16					
0 M TO 3.8 M	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 560 MM 	4-#20 + 4-#16 C21 : Fy414 , COVER = 50MM CONFINING ZONE = 575 MM 	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 570 MM 	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 560 MM 	C21 : Fy414 , COVER = 50MM CONFINING ZONE = 570 MM 	C21 : Fy414 , COVER = 50MM 
	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	Z1 MAIN LINK / Z1 OTHERS / Z2 LINKS	MAIN LINKS / OTHER LINKS
	#10 @ 125 / #10 @ 125 / #10 @ 75	#10 @ 125 / #10 @ 125 / #10 @ 75	#10 @ 125 / #10 @ 125 / #10 @ 75	#10 @ 125 / --- / #10 @ 75	#10 @ 75 / #10 @ 75 / #10 @ 75	#10 @ 150 / #10@ 150
						
	8-#20	8-#20	8-#20	4-#16	6-#20	12-#12
COLUMN MARKED	C1	C2	C3	C6	C4	C5

NOTES:
1. BE = BOUNDARY ELEMENT AS PER NSCP C101 - 2015. PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
2. Z1 = SPECIAL CONFINING ZONE AS PER NSCP C101 - 2015, Z2 = REMAINING ZONES AS PER NSCP C101 - 2015

1 / S-11 SCHEDULE OF COLUMNS
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SCHEDULE OF COLUMNS	S - 11



SECOND FLOOR FRAMING PLAN

1
S-12

SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECOND FLOOR FRAMING PLAN	S - 12

BEAM SCHEDULE (C28 : Fy414 (MAIN) : Fy276 (SHEAR)) (LEVEL: 3.2 m)

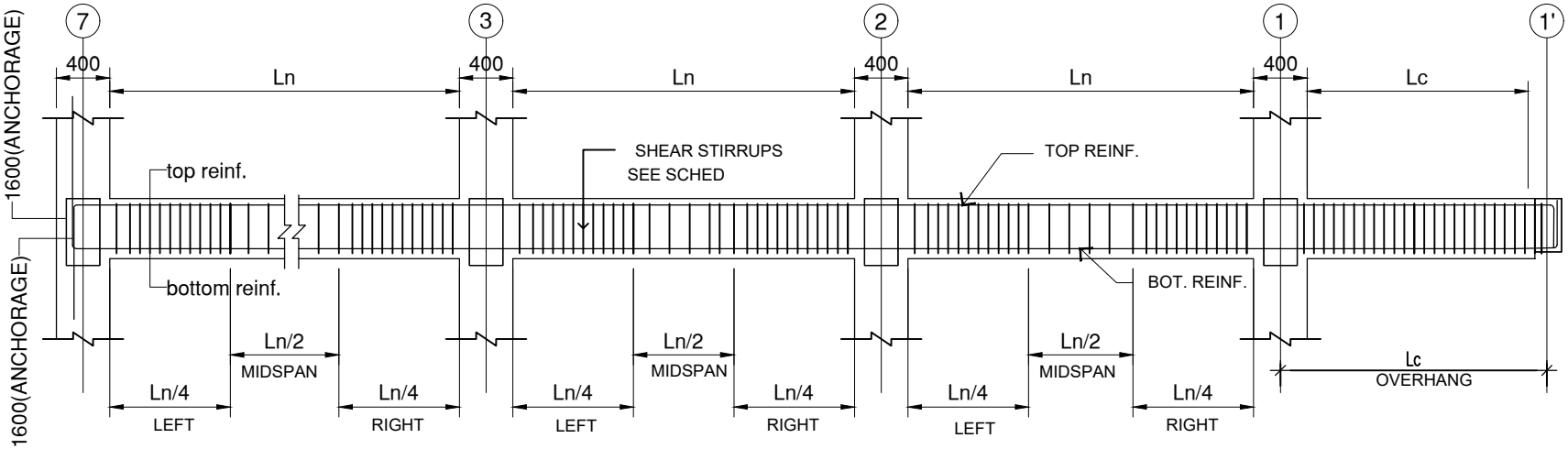
BEAM GROUP NOS.	SIZE		LOCATION (ALONG GRID)				TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
	B	D		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	200	400	1'F TO 1'G	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@110 C/C	#8@110 C/C	#8@110 C/C	
	200	400	1'G TO 1'H	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@110 C/C	#8@110 C/C	#8@110 C/C	CONTINOUS
	200	400	1'H TO 1'K	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@110 C/C	#8@110 C/C	#8@110 C/C	
B2	200	500	1F TO 1G	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@105 C/C	#10@105 C/C	#10@90 C/C	
	200	500	1G TO 1H	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@105 C/C	#10@105 C/C	#10@95 C/C	
	200	500	1H TO 1J	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@105 C/C	#10@105 C/C	#10@95 C/C	CONTINUOUS
	200	500	1J TO 1K	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@105 C/C	#10@105 C/C	#10@95 C/C	
B3	200	500	2F TO 2H	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@95 C/C	#10@120 C/C	#10@95 C/C	
	200	500	2H TO 2K	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#10@95 C/C	#10@120 C/C	#10@95 C/C	CONTINUOUS
B4	200	400	A3 TO B3	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
	200	400	B3 TO E3	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	
	200	400	E3 TO F3	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	
	200	500	F3 TO H3	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
	200	500	H3 TO K3	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@135 C/C	#8@135 C/C	#8@135 C/C	
B6	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CANOPY
B7	200	500	E4 TO F4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
	200	500	F4 TO H4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@135 C/C	#8@135 C/C	#8@135 C/C	CONTINUOUS
	200	500	H4 TO K4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@135 C/C	#8@95 C/C	CONTINUOUS
B8	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	
B9	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B10	200	400	A7 TO C7	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
	200	400	C7 TO E7	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B11	200	575	E7 TO I7	4-Ø16mm	2-Ø16mm	4-Ø16mm	4-Ø16mm	2-Ø16mm	4-Ø16mm	#8@90 C/C	#8@90 C/C	#8@90 C/C	
	200	575	I7 TO K7	2-Ø20mm	2-Ø20mm	2-Ø20mm	4-Ø20mm	2-Ø20mm	2-Ø20mm	#8@90 C/C	#8@90 C/C	#8@90 C/C	CONTINUOUS
B12	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CANOPY
B13	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CANOPY
B14	200	400	A3 TO A7	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B15	200	400	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CONTINUOUS
B16	200	450	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CONTINUOUS
B18	200	575	E3 TO E7	2-Ø16mm 2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B19	200	350	F1' TO F4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B21	200	350	G1' TO G4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B23	200	350	H1' TO H4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B25	200	350	J1 TO J4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B27	200	350	K1' TO K4	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B28	200	400	K4' TO K7	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	CONTINUOUS
B26	200	400	K4' TO K7	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CONTINUOUS
B24	200	350	VERIFY	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@75 C/C	#8@75 C/C	#8@75 C/C	SIMPLE

1
S-13

SECOND FLOOR BEAM SCHEDULE

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECOND FLOOR BEAM SCHEDULE	S - 13



1 / S-14 TYPICAL DETAILS OF GIRDER/ BEAM

SCALE NTS

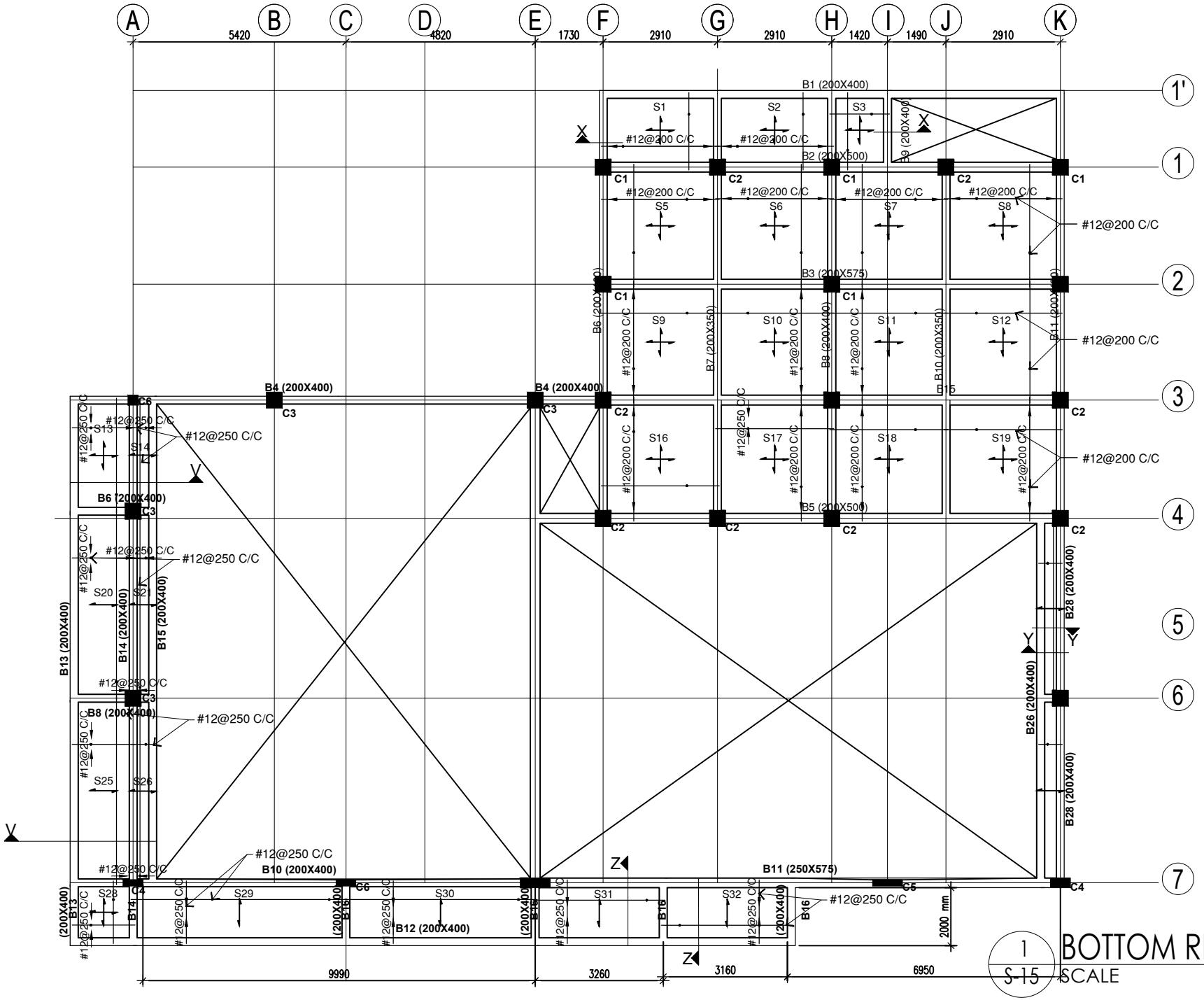
SLAB SCHEDULE (C21 : FY276) (LEVEL : 3.8 M)

SLAB MARKED	SLAB THICKNESS	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		
S1, S2, S3, S5 S8, S9, S12 S13, S16, S28	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S6, S7, S10 S11	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 250 C/C	12 Raised
S14, S20, S22 S25, S27, S29 S30, S31, S32	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S17, S18	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S19	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S21, S26	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	---	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised

2 / S-14 SECOND FLOOR SLAB SCHEDULE

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	TYPICAL DETAIL OF BEAM/ GIRDER SECOND FLOOR SLAB SCHEDULE	S - 14

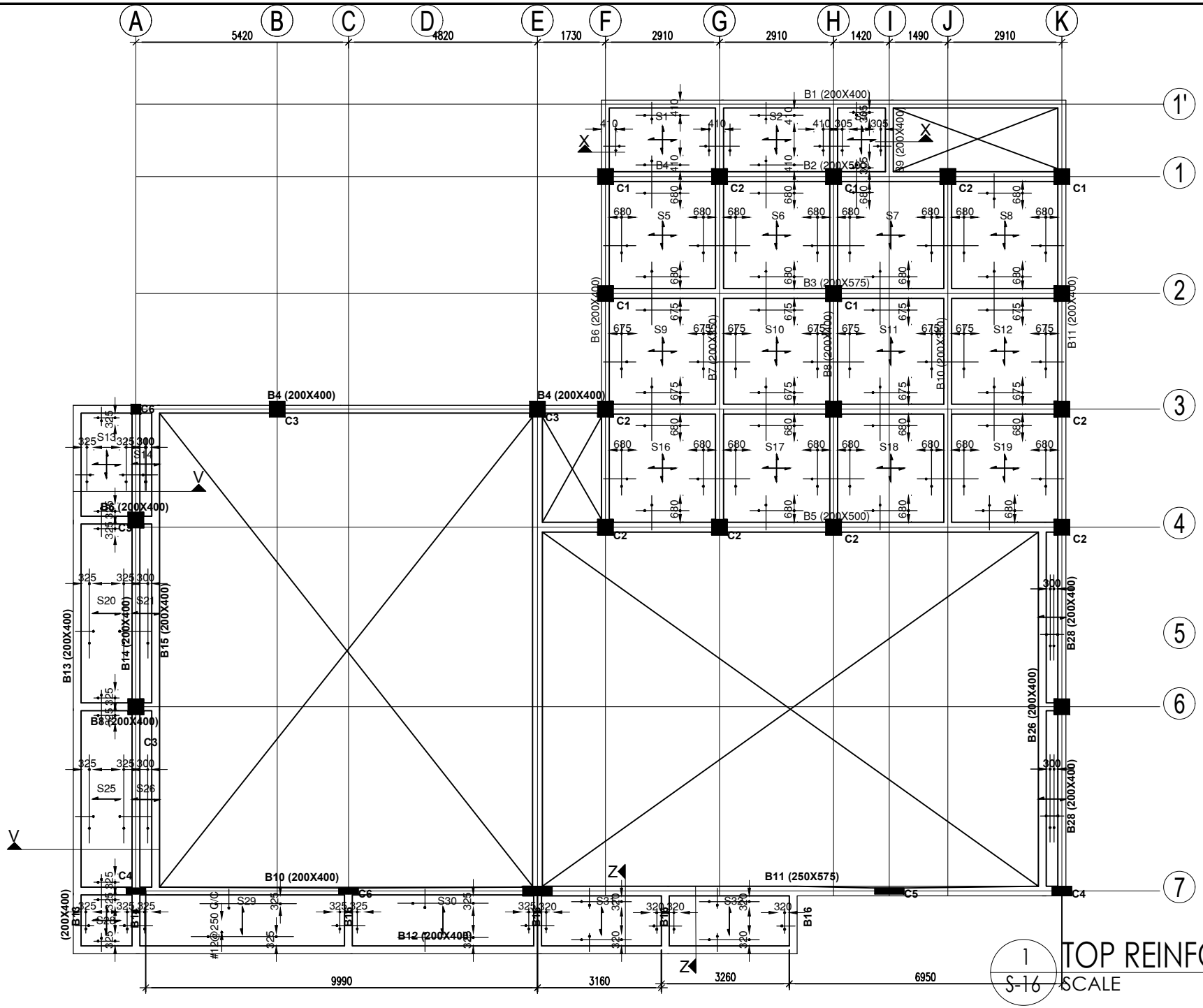


1 S-15

BOTTOM REINFORCEMENT PLAN

SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	BOTTOM REINFORCEMENT PLAN	S - 15

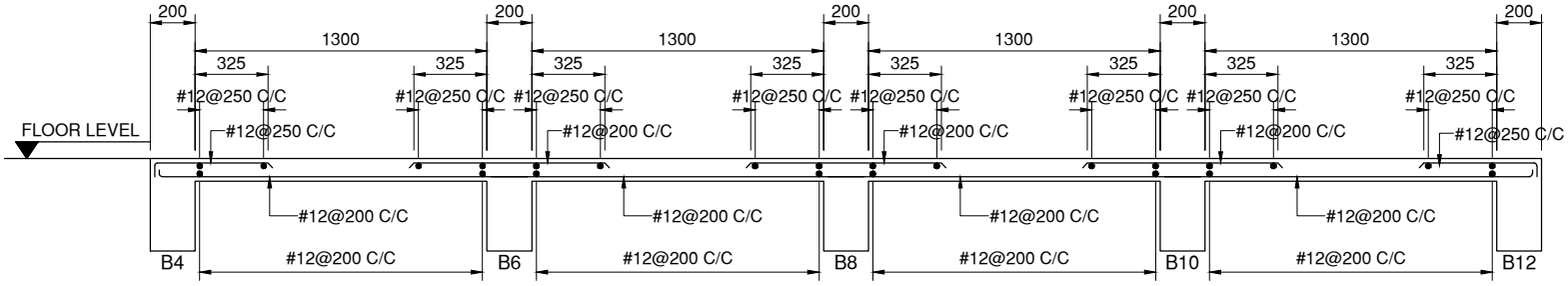


1 / S-16

TOP REINFORCEMENT PLAN

SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	TOP REINFORCEMENT PLAN	S - 16



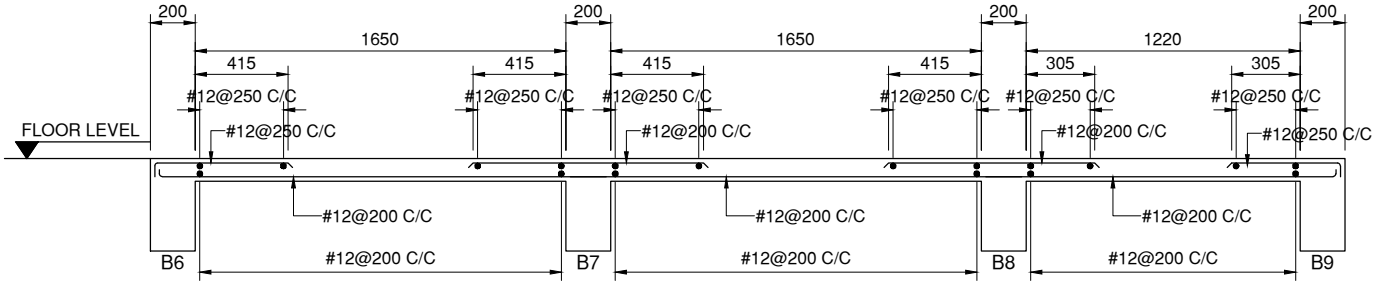
SLAB S13 (TWO WAY) (100 THK)(12 RAISED)

SLAB S20 (ONE WAY) (100 THK)(12 RAISED)

SLAB S25 (ONE WAY) (100 THK)(12 RAISED)

SLAB S28 (TWO WAY) (100 THK)(12 RAISED)

1 / S-17 SECTION 3-7 (CANOPY)
SCALE NTS

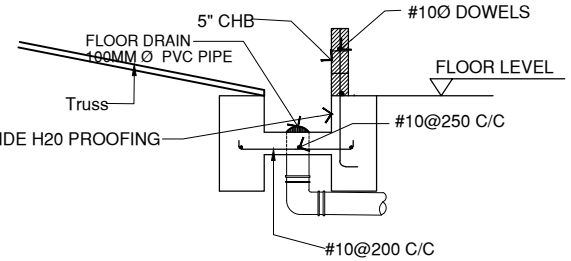


SLAB S1 (TWO WAY) (100 THK)(12 RAISED)

SLAB S2 (TWO WAY) (100 THK)(12 RAISED)

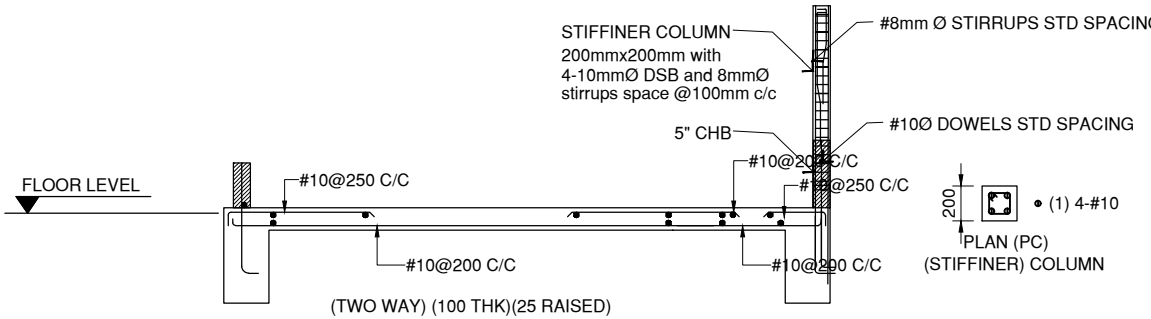
SLAB S3 (TWO WAY) (100 THK)(12 RAISED)

2 / S-17 SECTION X-X
SCALE NTS



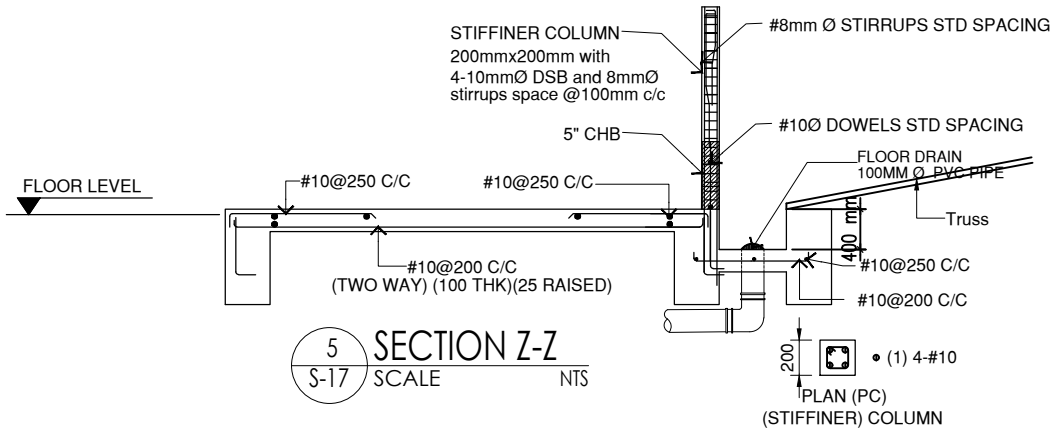
(ONE WAY) (100 THK)(25 RAISED)

4 / S-17 SECTION Y-Y
SCALE NTS



(TWO WAY) (100 THK)(25 RAISED)

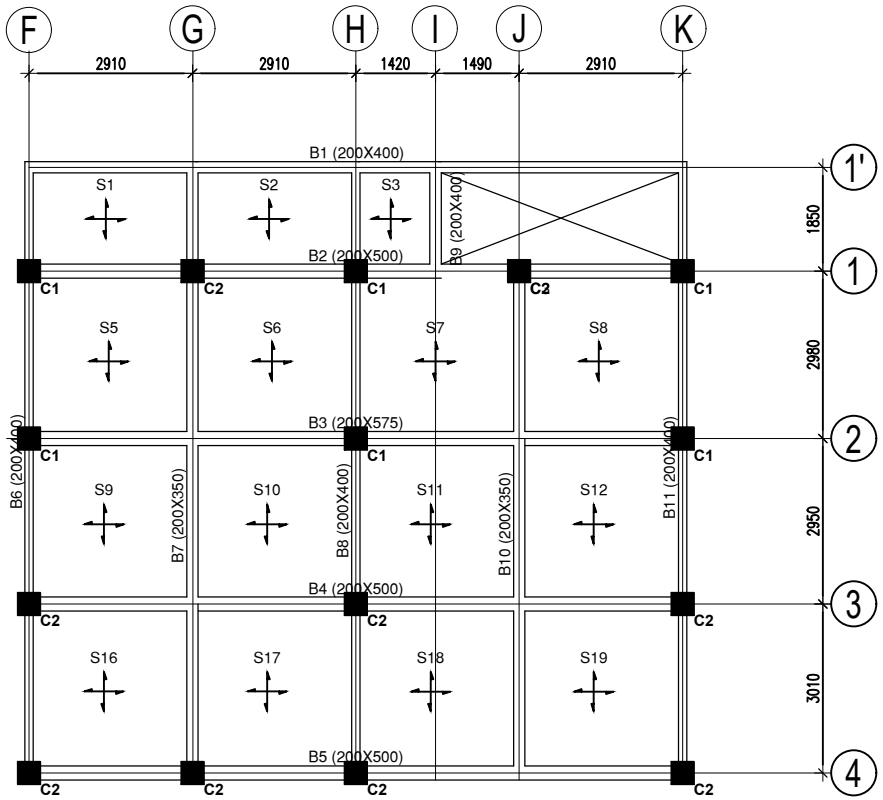
3 / S-17 SECTION V-V
SCALE NTS



(TWO WAY) (100 THK)(25 RAISED)

5 / S-17 SECTION Z-Z
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION 3-7 (CANOPY) SECTION X-X SECTION V-V SECTION Y-Y SECTION Z-Z	S - 17

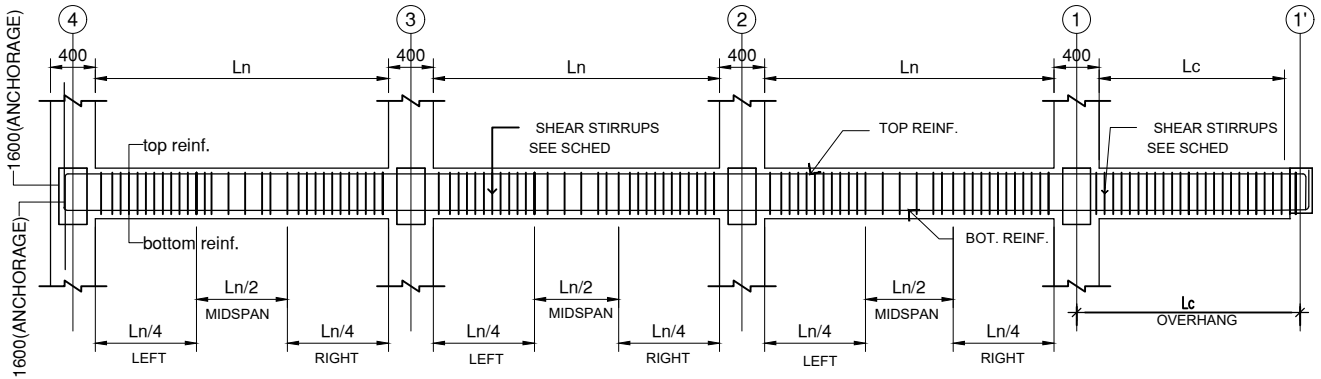


1 S-18 ROOF DECK FLOOR FRAMING PLAN
SCALE 1:100 MTS

BEAM SCHEDULE (C28 : Fy414 (MAIN) : Fy276 (SHEAR)) (LEVEL: 7.2 m)

BEAM GROUP NOS.	SIZE		LOCATION (ALONG GRID)	TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
	B	D		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	200	400	1'F TO 1'K	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@110 C/C	#8@110 C/C	#8@110 C/C	CONTINOUS
B2	200	500	1F TO 1K	2-Ø16mm	2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	
B3	200	575	2F TO 2H	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@85 C/C	#8@85 C/C	#8@95 C/C	CONTINOUS
	200	575	2H TO 2K	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
B4	200	500	3F TO 3H	2-Ø16mm 2-Ø16mm	2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	CONTINOUS
	200	500	3H TO 3K	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
B5	200	500	4F TO 4H	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	CONTINOUS
	200	500	4H TO 4K	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø20mm	2-Ø20mm	2-Ø20mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
B6/B8/B11	200	400	(4F to 3F),(4H to 3H) and (4K to 3K)	2-Ø16mm	2-Ø16mm	2-Ø16mm 2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	CONTINOUS
	200	400	(3F to 2F),(3H to 2H) and (3K to 2K)	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
	200	400	(2F to 1F),(2H to 1H) and (2K to 1K)	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
	200	400	(1F to 1'F),(1H to 1'H) and (1K to 1'K)	2-Ø20mm	2-Ø20mm	2-Ø20mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@95 C/C	#8@95 C/C	#8@35 C/C	
B7/B10	200	350	(1G to 4G) and (1J to 4J)	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	CONTINOUS
	200	350	(1G to 1'G) and (1J to 1'J)	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	2-Ø16mm	#8@100 C/C	#8@100 C/C	#8@100 C/C	

2 S-18 ROOF DECK BEAM SCHEDULE
SCALE NTS



3 S-18 TYPICAL DETAILS OF ROOF DECK BEAM
SCALE NTS

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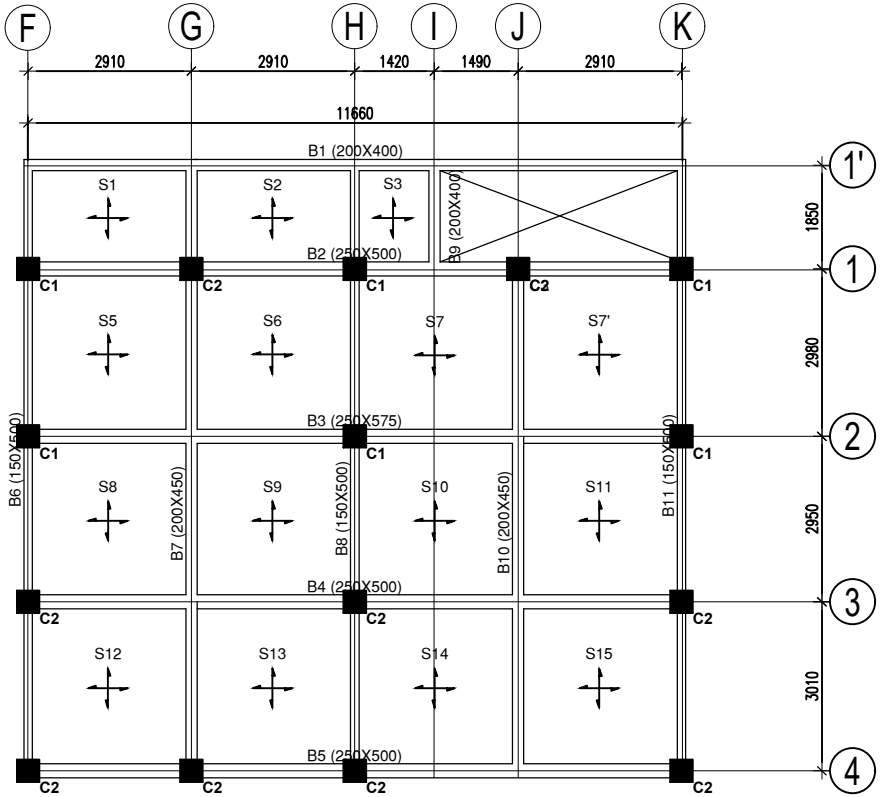
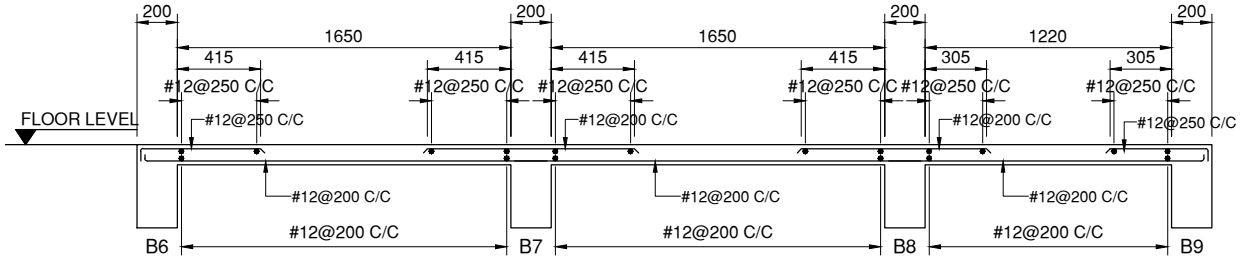


1 S-19 ROOF DECK SLAB PLAN
SCALE 1:100 MTS



SLAB S1
(TWO WAY) (100 THK)(12 RAISED)

SLAB S2
(TWO WAY) (100 THK)(12 RAISED)

SLAB S3
(TWO WAY) (100 THK)(12 RAISED)

2 S-19 SECTION THRU F1' TO K1'
SCALE NTS

SLAB SCHEDULE (C21 : FY276) (LEVEL : 7.2 M)

SLAB MARKED	SLAB THICKNESS	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		
S1, S2, S5, S6 S8, S11, S12 S15	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S3	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S7, S7'	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	---	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised
S9	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 250 C/C	12 Raised
S10, S13, S14	100	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	---	#12 @ 200 C/C	#12 @ 200 C/C	#12 @ 250 C/C	12 Raised

3 S-19 ROOF DECK SLAB SCHEDULE
SCALE NTS

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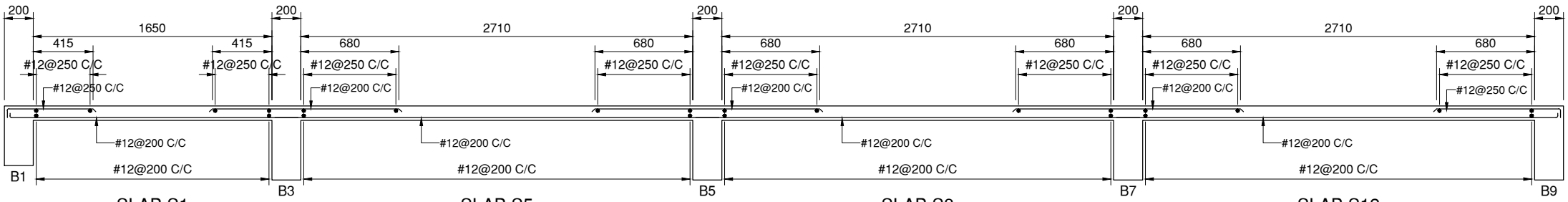


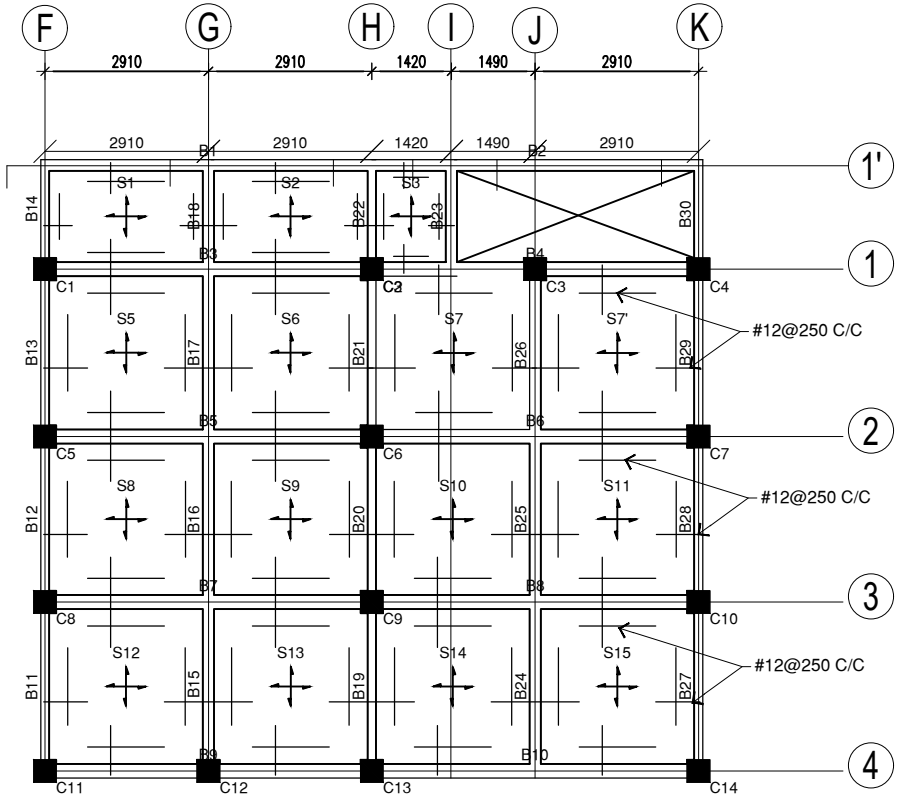
SLAB S1
(TWO WAY) (100 THK)(12 RAISED)

SLAB S5
(TWO WAY) (100 THK)(12 RAISED)

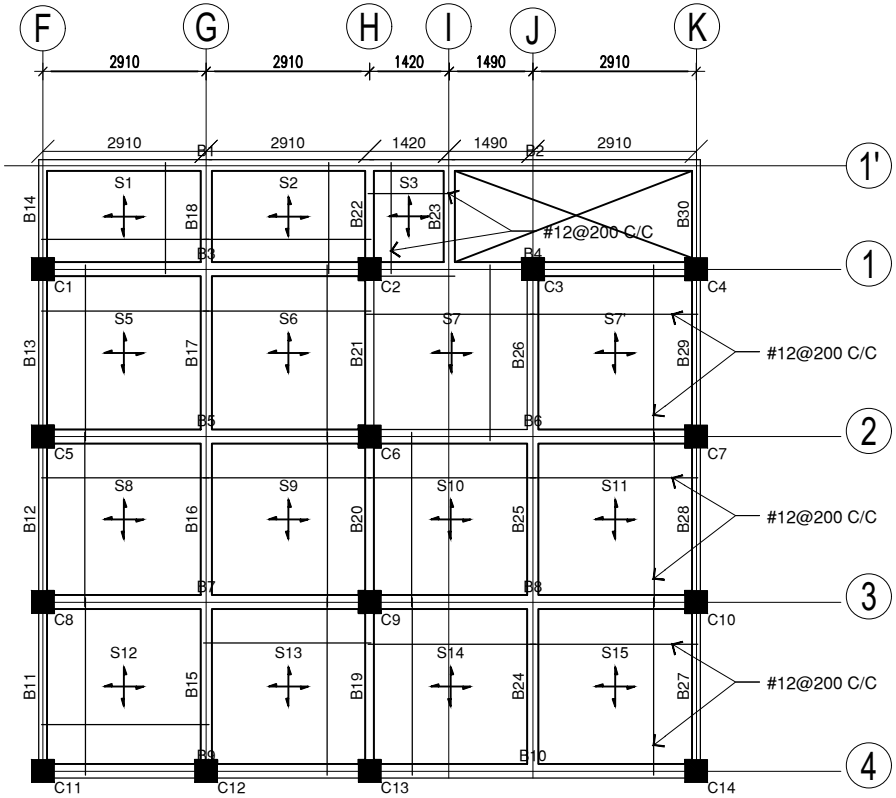
SLAB S8
(TWO WAY) (100 THK)(12 RAISED)

SLAB S12
(TWO WAY) (100 THK)(12 RAISED)

2 / S-19 SECTION THRU F1' TO F4
SCALE NTS

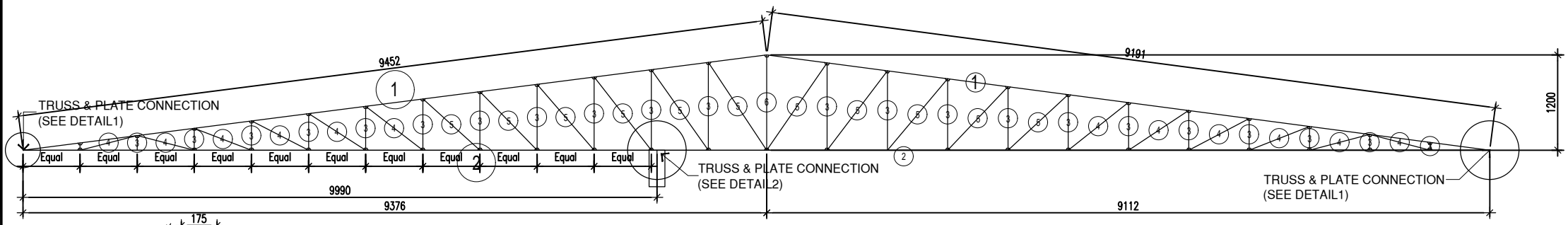


2 / S-20 ROOF DECK TOP REINFORCEMENT PLAN
SCALE 1:100 MTS



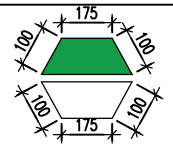
3 / S-20 ROOF DECK BOT. REINFORCEMENT PLAN
SCALE 1:100 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	SECTION THRU F1' TO F4 ROOF DECK TOP REINFORCEMENT PLAN ROOF DECK BOTTOM REINFORCEMENT PLAN	S - 20

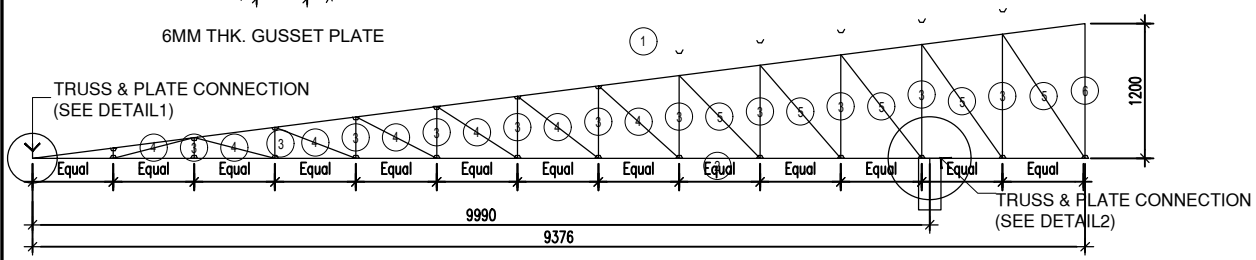


1 S-21 STEEL TRUSS 1 DIAGRAM

SCALE 1:50 MTS

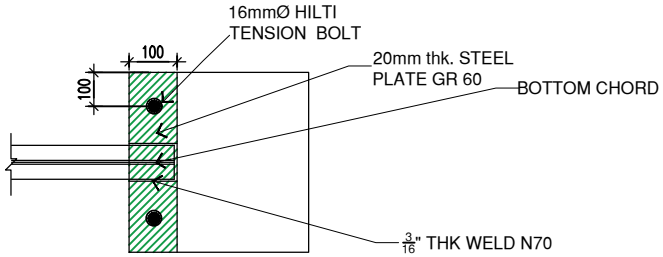


6MM THK. GUSSET PLATE

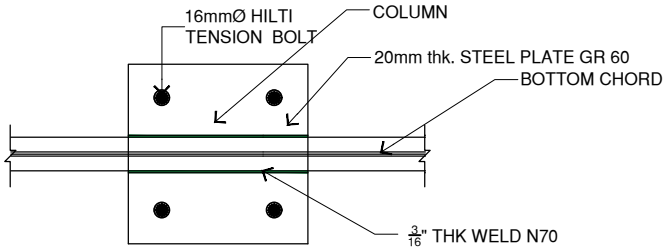


2 S-21 STEEL HALF TRUSS (HT-1) DIAGRAM

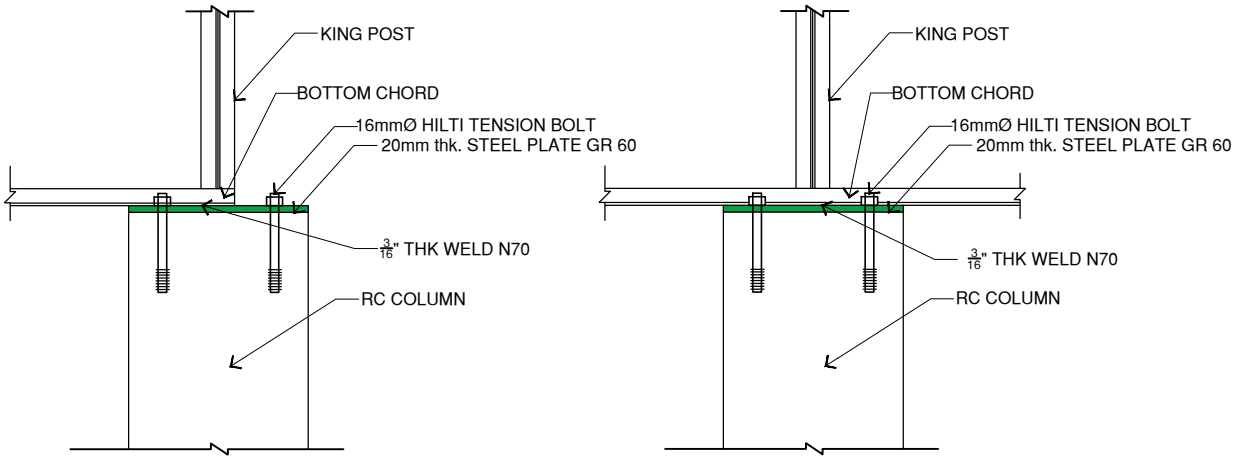
SCALE 1:50 MTS



DETAIL 1

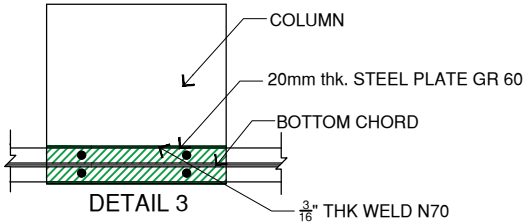


DETAIL 2



3 S-21 TRUSS & PLATE CONNECTION (DETAIL SECTION)

SCALE NTS



DETAIL 3

4 S-21 TRUSS & PLATE CONNECTION (PLAN DETAIL)

SCALE NTS

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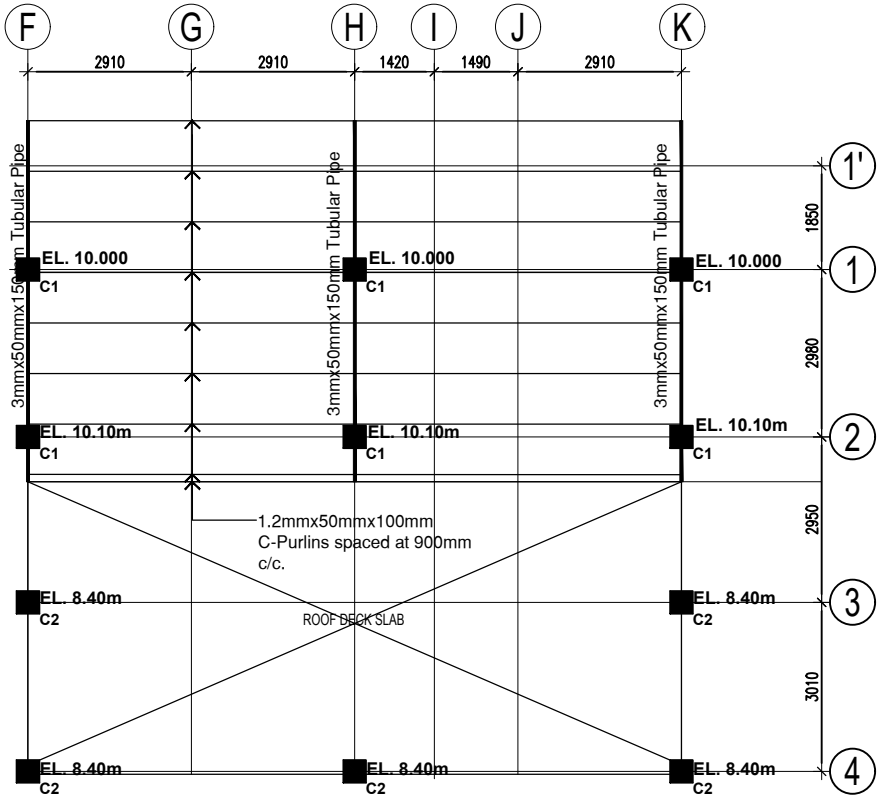
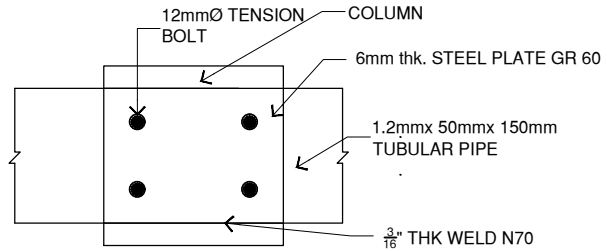
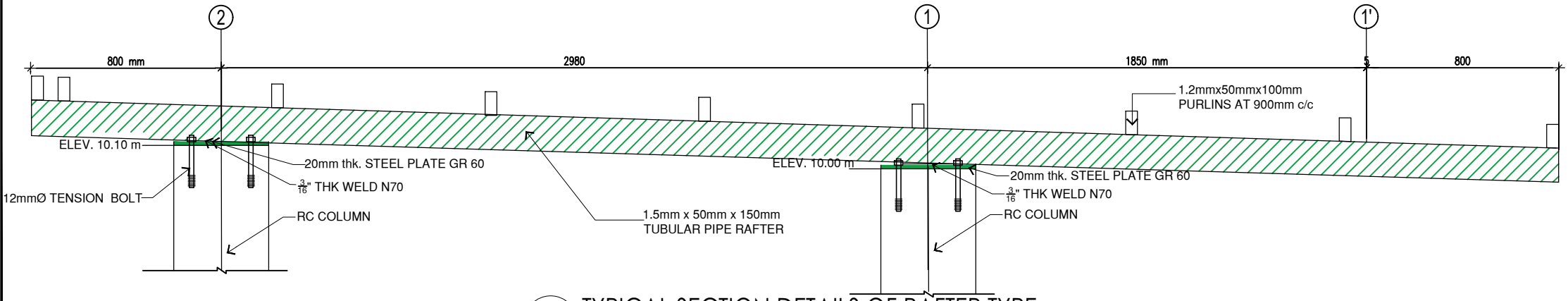


1 S-22 UPPER ROOF FRAMING PLAN
SCALE 1:100 MTS

CODE	MEMBER	ASSIGN DESIGN PROPERTIES
1	TOP CHORD	2< 6MM X 50MM X 50MM ANGULAR BAR GRADE60
2	BOTTOM CHORD	2< 6MM X 50MM X 50MM ANGULAR BAR GRADE60
3	VERTICAL MEMBER	2< 4.5MM X 37MM X 37MM ANGULAR BAR GRADE60
4	DIAGONAL MEMBER (SHORT) < L= 1.00 m	2< 4.5MM X 37MM X 37MM ANGULAR BAR GRADE60
5	DIAGONAL MEMBER (LONG) > L = 1.00 m	2< 4.5MM X 37MM X 37MM ANGULAR BAR GRADE60
6	KING POST	2< 6MM X 50MM X 50MM ANGULAR BAR GRADE60
	CONNECTION (WELDED)	6MM THICK GUSSET PLATE GRADE60
	CROSS BRACE CONNECTION	16MM Ø STEEL ROD WITH TURN BUCKLES

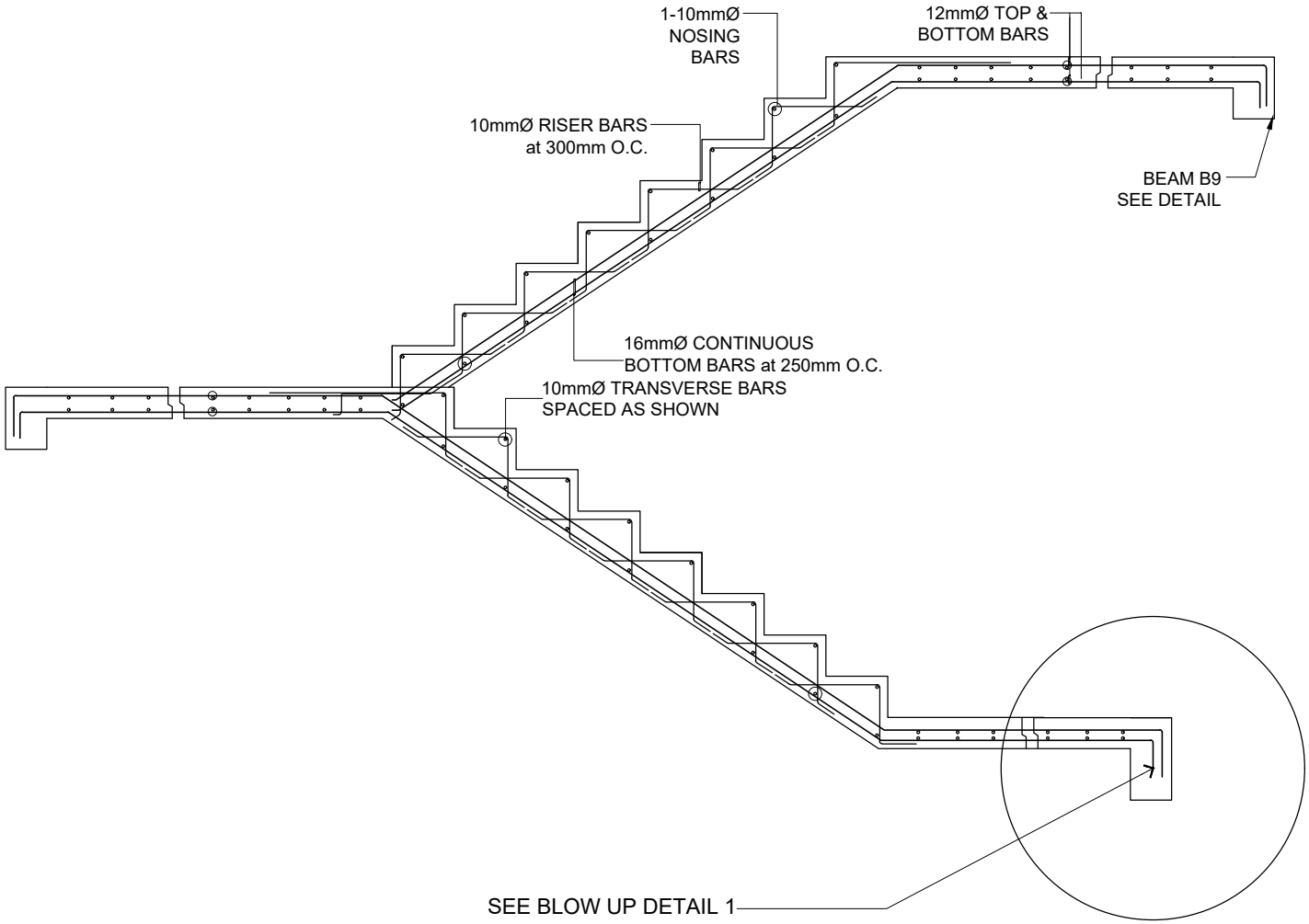


2 S-22 TYPICAL PLAN OF RAFTER TYPE
SCALE NTS

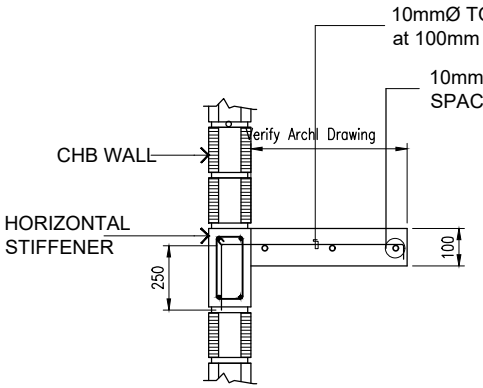


3 S-22 TYPICAL SECTION DETAILS OF RAFTER TYPE
SCALE NTS

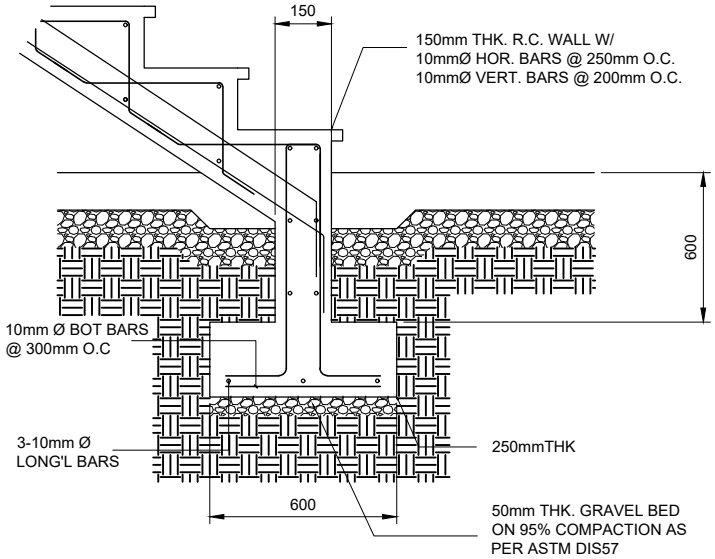
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	UPPER ROOF FRAMING PLAN TYPICAL PLAN OF RAFTER TYPE TYPICAL DETAILS OF RAFTER TYPE	S - 22



1 / S-23 STAIR BLOW UP DETAIL
SCALE 1:50 MTS



3 / S-23 LEDGE DETAIL
SCALE NTS



2 / S-23 BLOW UP DETAIL 1
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
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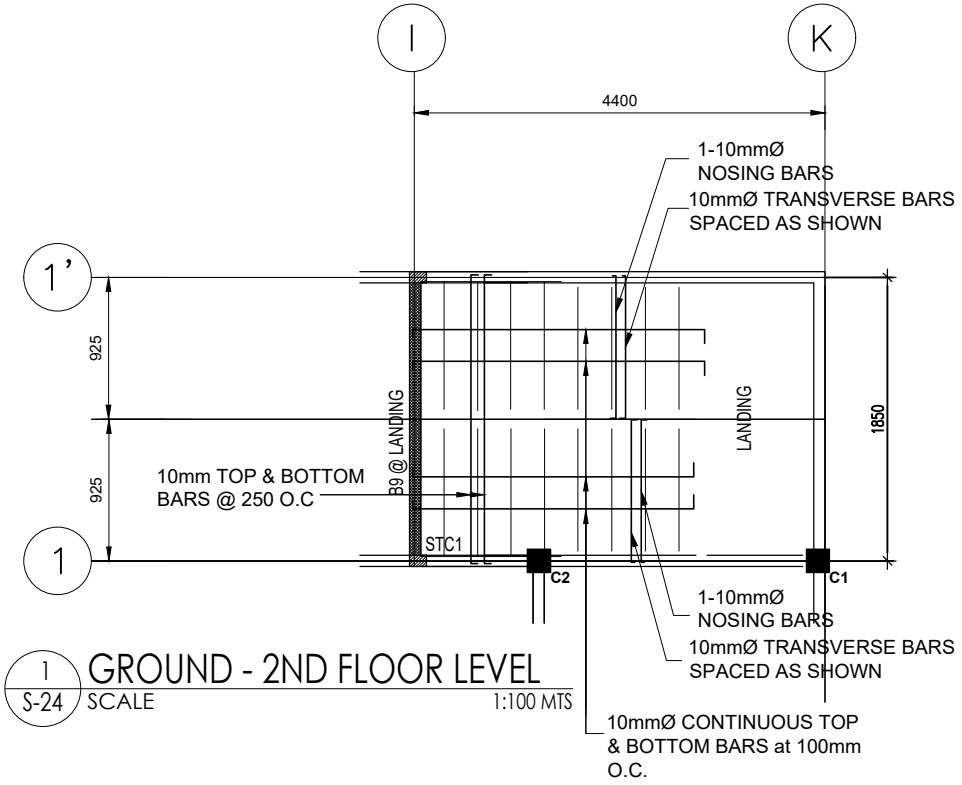
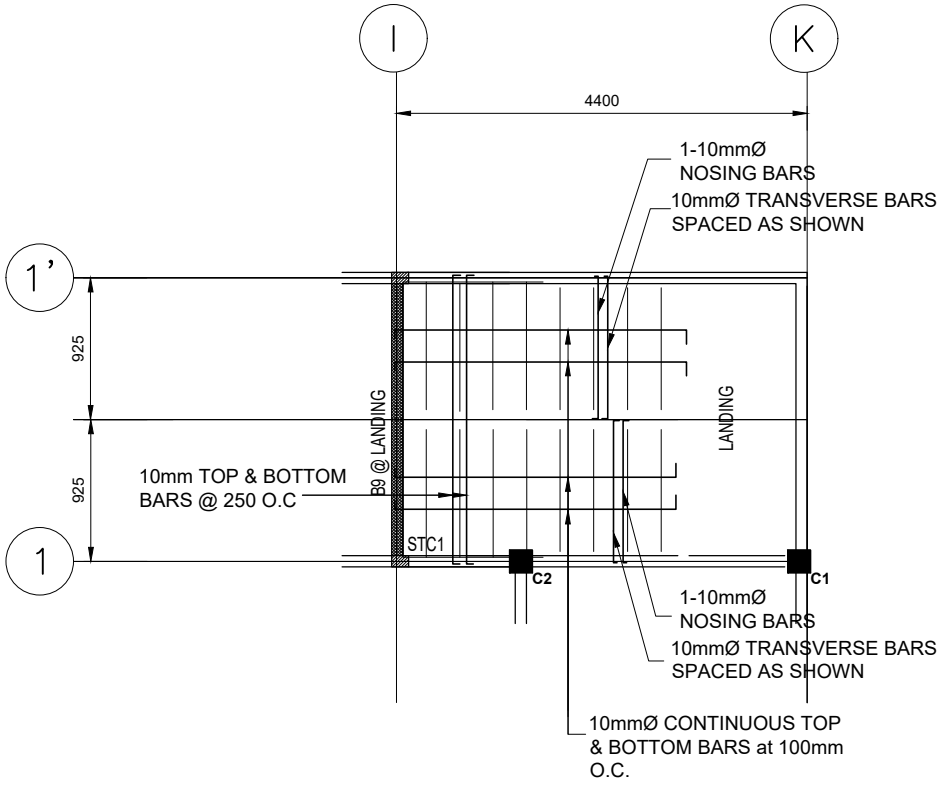
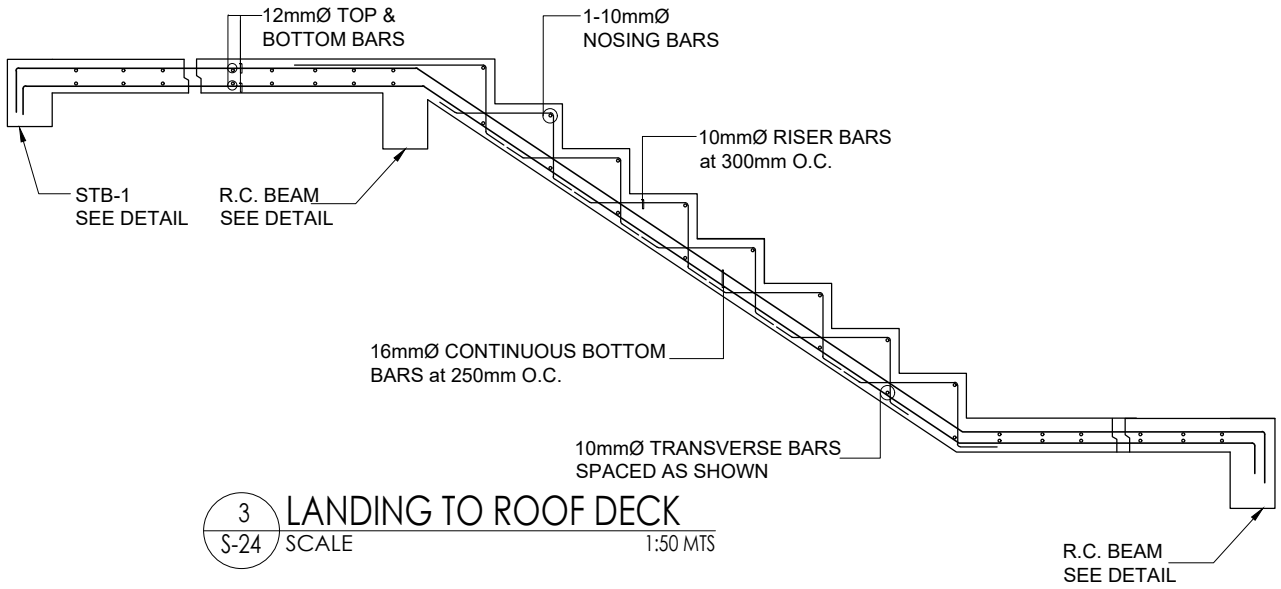


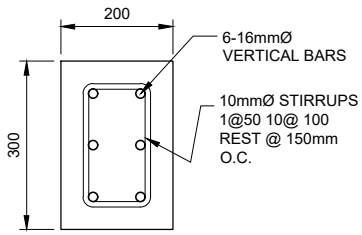
1 / S-24 GROUND - 2ND FLOOR LEVEL
SCALE 1:100 MTS



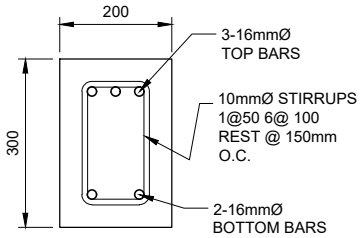
2 / S-24 2ND FLOOR - ROOF DECK LEVEL
SCALE 1:100 MTS



3 / S-24 LANDING TO ROOF DECK
SCALE 1:50 MTS



4 / S-24 STC-1 DETAIL
SCALE NTS



5 / S-24 STB-1 DETAIL
SCALE NTS

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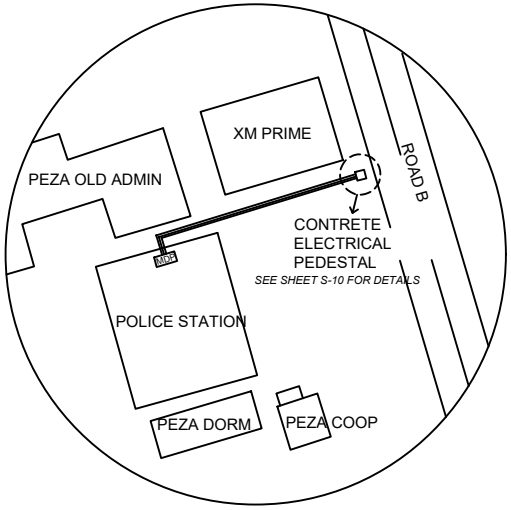
1. ALL ELECTRICAL WORKS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LAWS AND ORDINANCES OF THE LOCAL CODE, ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE LOCAL POWER UTILITY COMPANIES.
2. THE CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER THROUGH THE ENGINEERS, FINAL CERTIFICATES OF ELECTRICAL INSPECTION FOR ENERGIZATION OF THE BUILDING AND APPROVAL FROM PROPER GOVERMENT AUTHORITIES FOR COMPLETION OF WORK.
3. ALL ELECTRICAL WORKS HEREIN INCLUDED SHALL BE EXECUTED BY EXPERIENCED MEN UNDER SUPERVISION OF FULL TIME LICENSED ELECTRICAL ENGINEER. WORKS SHALL BE NEATLY PLACED, SECURELY AND PROPERLY FINISHED.
4. ALL MATERIALS TO BE USED SHALL BE NEW AND INSTALLED IN APPLICATIONS FOR WHICH THEY ARE INTENDED.
5. ALL CONDUIT PIPES SHALL BE PVC AND IMC FOR SERVICE ENTRANCE EXCEPT AS NOTED ON THE PLANS AND SPECIFICATIONS. REFER TO SPECIFICATION FOR INSTALLATION REQUIREMENT.
6. MINIMUM SIZE OF CONDUIT SHALL BE 20 MM DIAMETER.
7. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. EXPOSED CONDUIT RUNS SHALL BE INSTALLED AND PROTECTED AGAINST DAMAGES BY THE ENTRANCE OF WATER AND PARALLEL TO OR PERPENDICULAR WITH THE BUILDING LINE AND SUPPORTED BY CONDUIT CLAMPS.
8. PROVIDE GALVANIZED PULLING WIRE G.A. 18 FOR ALL EMPTY CONDUITS.
9. PULL BOXES SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON THE PLANS.
10. FOR BOXES WITH MORE THAN FOUR WIRES ENTERING, USE 0.10 M X 0.10 M SQUARE BOX WITH ONE ADAPTER RING. (TYPICAL FOR RECEPTACLE BOXES)
11. SINGLE CONDUCTOR INSULATED THHN THERMOPLASTIC SHALL BE USED. THE MINIMUM SIZE OF WIRES SHALL BE 3.5MM2 THHN FOR ALL LIGHTING AND POWER.
12. ALL WIRES AND CABLES SHALL BE UL–LISTED, OR APPROVED EQUAL AND SHALL HAVE COLOR CODED AS NATIONAL ELECTRICAL CODE.

    LINE 1 –BLACK GROUND – GREEN
    LINE 2 –RED
    LINE 3 –BLUE
13. ALL COVENIENCE OUTLET CIRCUITS SHALL HAVE GROUNDING SYSTEM
14. PANELBOARD SHALL BE PROPERLY AND ADEQUATELY GROUNDED.
15. MOUNTING HEIGHT OF DEVICES SHALL BE AS APPROVED BY ENGINEER OF PEZA AND/OR AS FOLLOWS

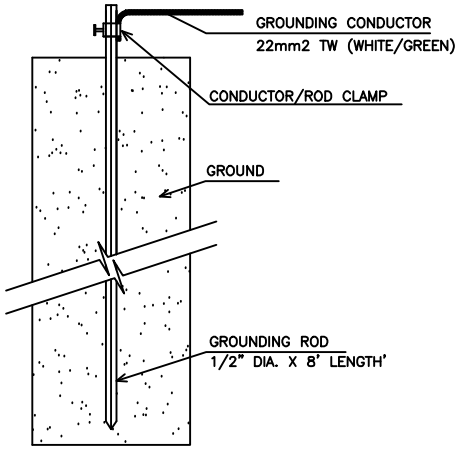
    A. PANEL BOARD –1800mm ABOVE FINISHED FLOOR LEVEL ON TOP OF PANEL (ACTUAL SITE CONDITION MUST PREVAIL)
    B. WALL SWITCHES – 1400mm ABOVE FINISHED FLOOR LEVEL TO CENTER OF DEVICES
    C. POWER OUTLET – 300mm ABOVE FINISHED FLOOR LEVEL TO CENTER OF BOX
16. PROVISION OF GROUND ROD (MINIMUM OF 1/2" DIA. X 8' LENGTH) FOR MDP AND ECB PANEL WITH INSULATION RATING BELOW 5 OHMS
17. EXHAUST FAN SHALL BE TAPPED TO THE LIGHTING SWITCH OF THE ROOM
18. UPON COMPLETION OF ELECTRICAL WORKS, THE FOLLOWING TESTS SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS AND SIGNED BY QUALIFIED ELECTRICAL PRACTITIONER.

    A. INSULATION RESISTANCE TEST D. PHASE SEQUENCE TEST
    B. PHASE BALANCING TEST E. FUNCTIONAL TEST
    C. VOLTAGE TEST
19. ORBIT & WALL FANS ARE CONNECTED TO THE CIRCUIT OF NEAREST CONVENIENCE OUTLET.
20. PVC DUCTING FOR EXHAUST SHALL BE HANGED INSIDE WITH GALVANIZED PIPE HANGER STRAP
21. THE CONTRACTOR SHALL HAND IN SPARES FOR LED LIGHTINGS IMMEDIATE REPLACEMENT
22. MATERIALS & FIXTURES ARE SUBJECT TO APPROVAL PRIOR TO INSTALLATION

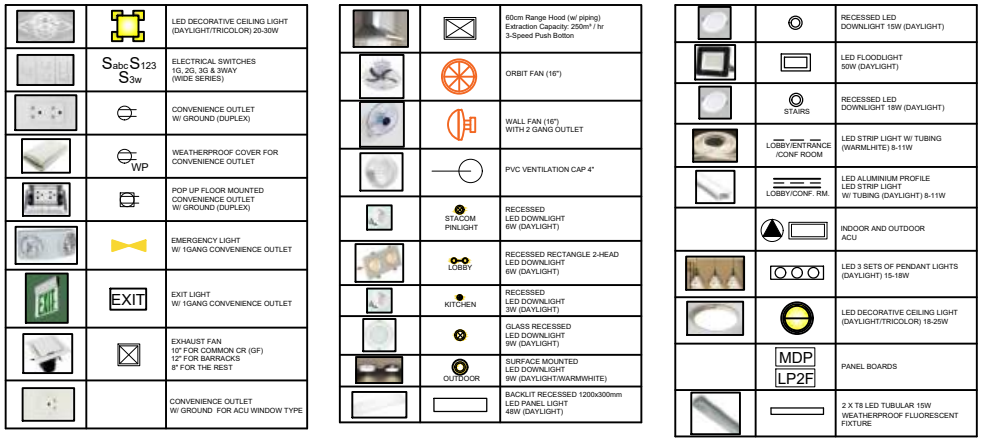
1 E-1 GENERAL NOTES
SCALE



2 E-1 ELECTRICAL PEDESTAL POLE LOCATION
SCALE



3 E-1 GROUNDING DETAILS
SCALE



NOTE: MATERIALS & FIXTURES ARE SUBJECT TO APPROVAL PRIOR TO INSTALLATION

4 E-1 ELECTRICAL LEGENDS/SYMBOLS
SCALE

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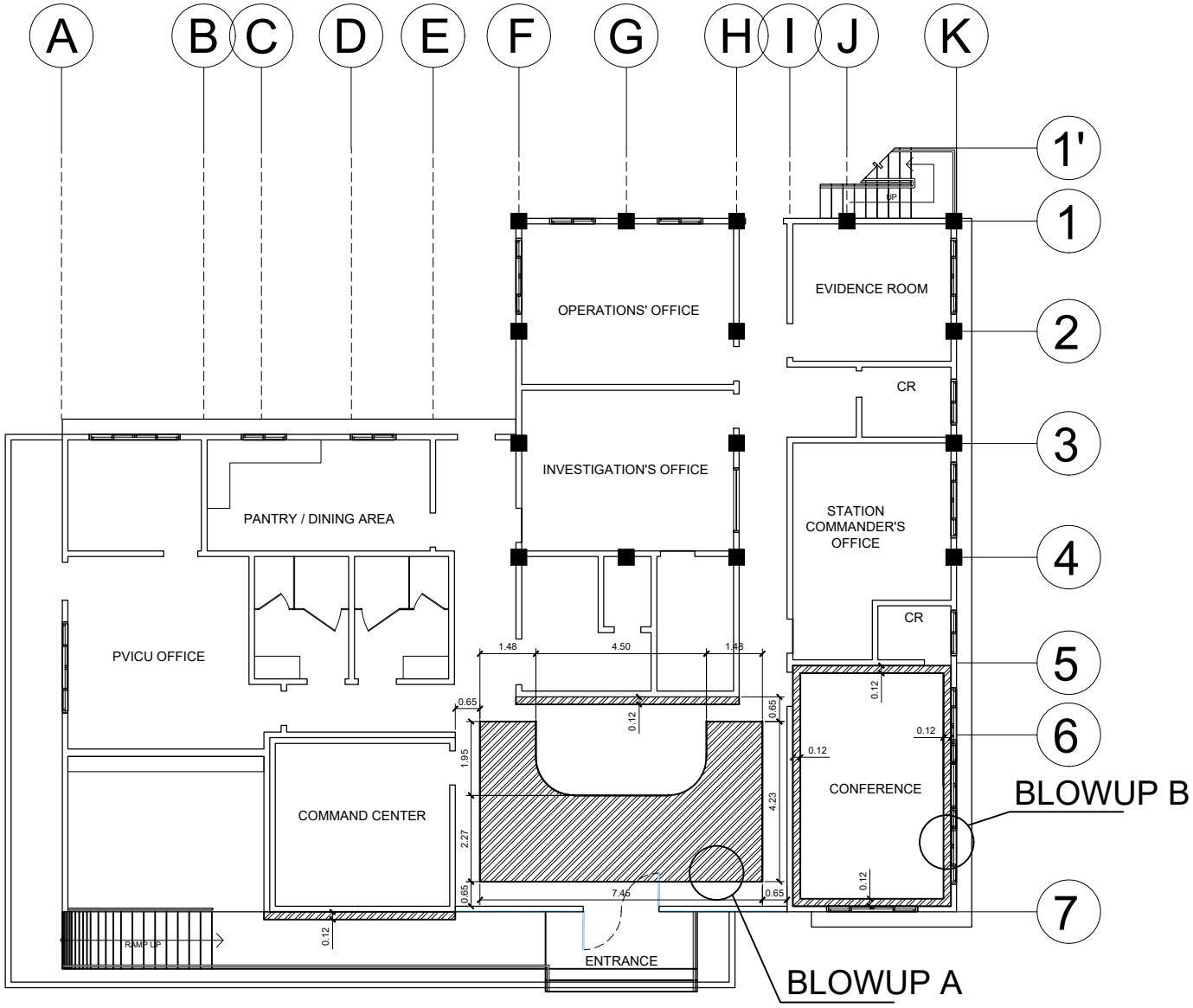
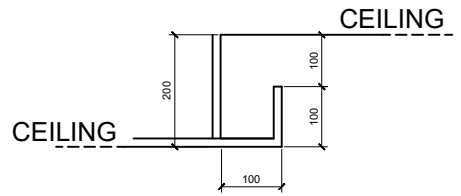


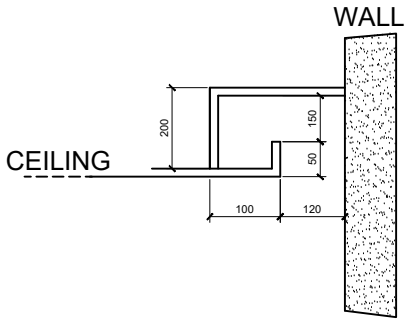
1 E-2 CEILING DETAILS LAYOUT GROUND FLOOR
SCALE

SCALE: MILLIMETERS



BLOWUP A

SCALE: MILLIMETERS



BLOWUP B

- *RECESSED CEILING*

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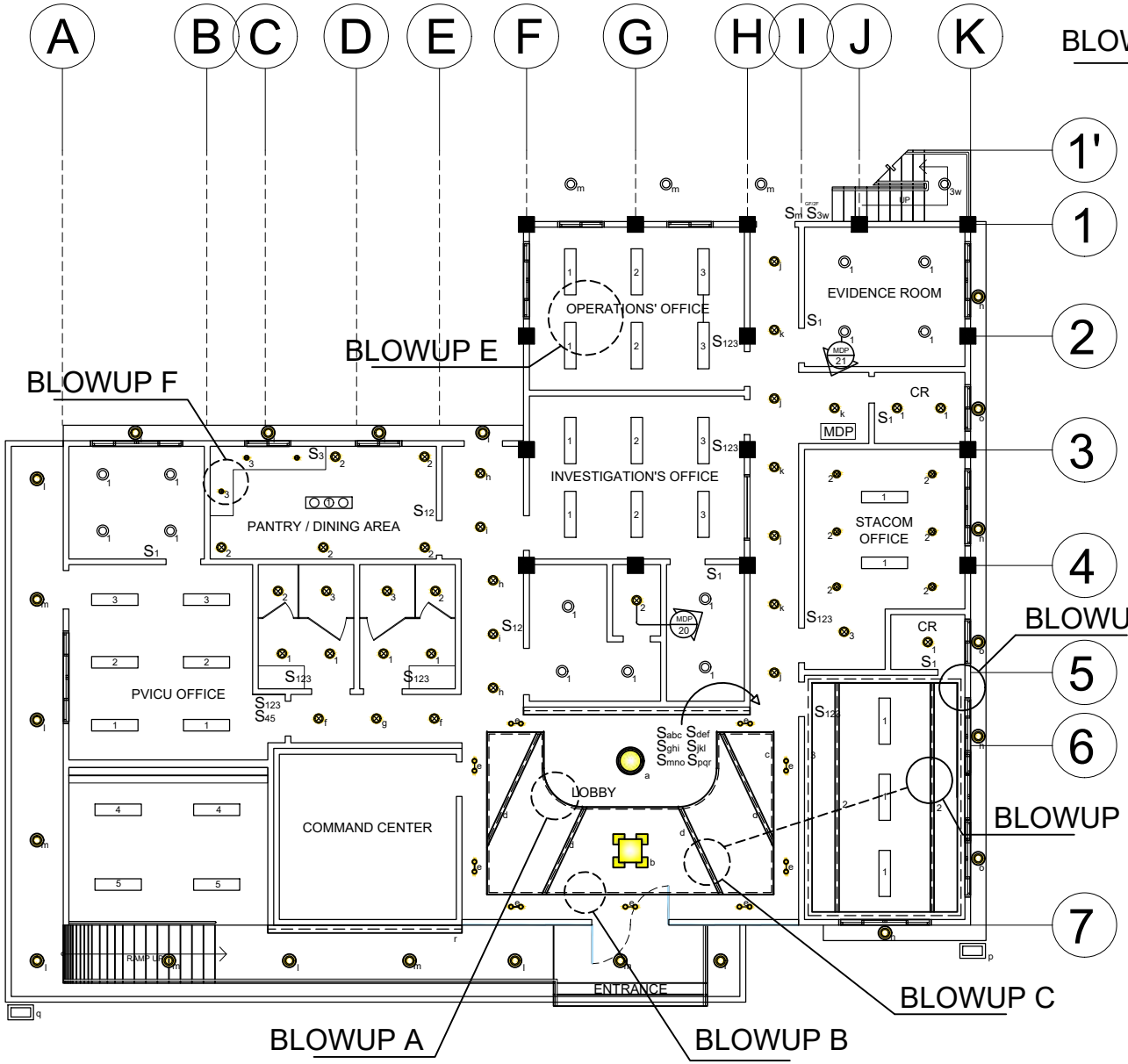

1 E-3 LIGHTING DETAILS LAYOUT GROUND FLOOR SCALE

BLOWUP B

BLOWUP A

BLOWUP C

ALUMINIUM PROFILE LED

BLOWUP D

BLOWUP E

BLOWUP F

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
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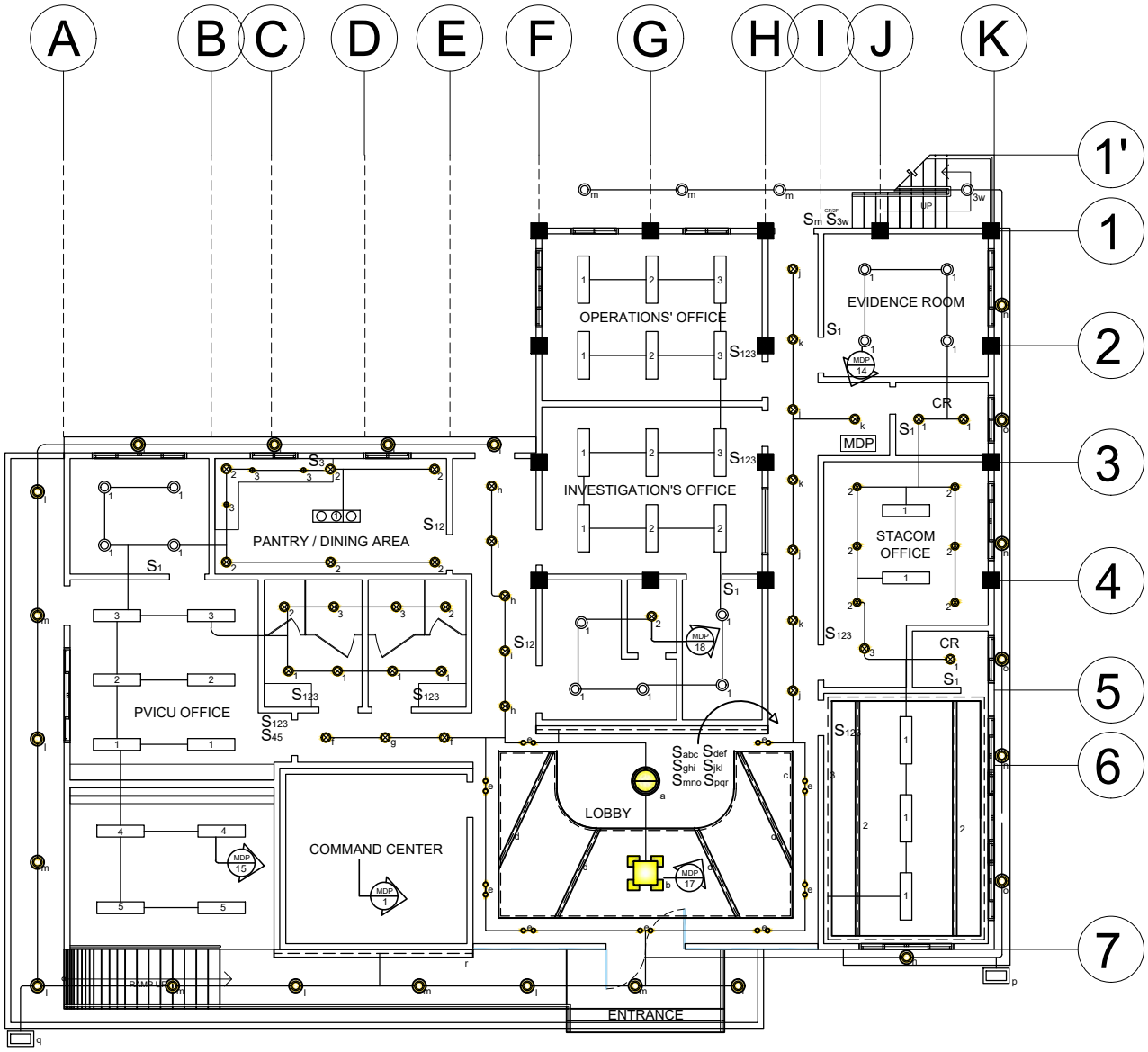

1 E-4 LIGHTING LAYOUT GROUND FLOOR
SCALE

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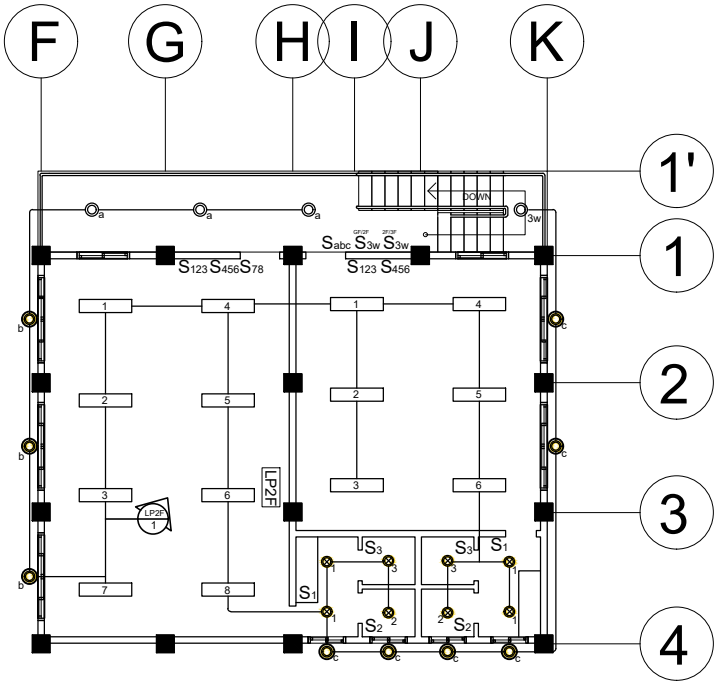
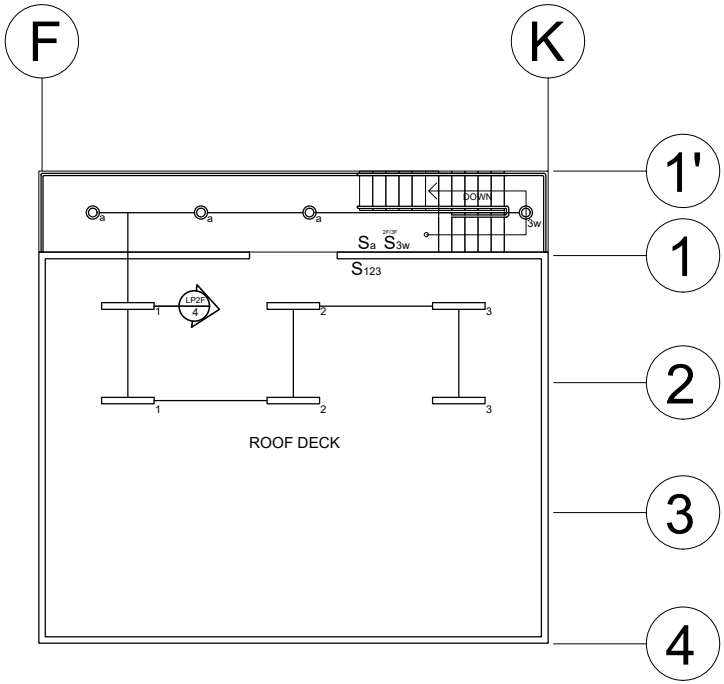


1 E-5 LIGHTING LAYOUT 2ND FLOOR
SCALE



2 E-5 LIGHTING LAYOUT ROOF DECK
SCALE

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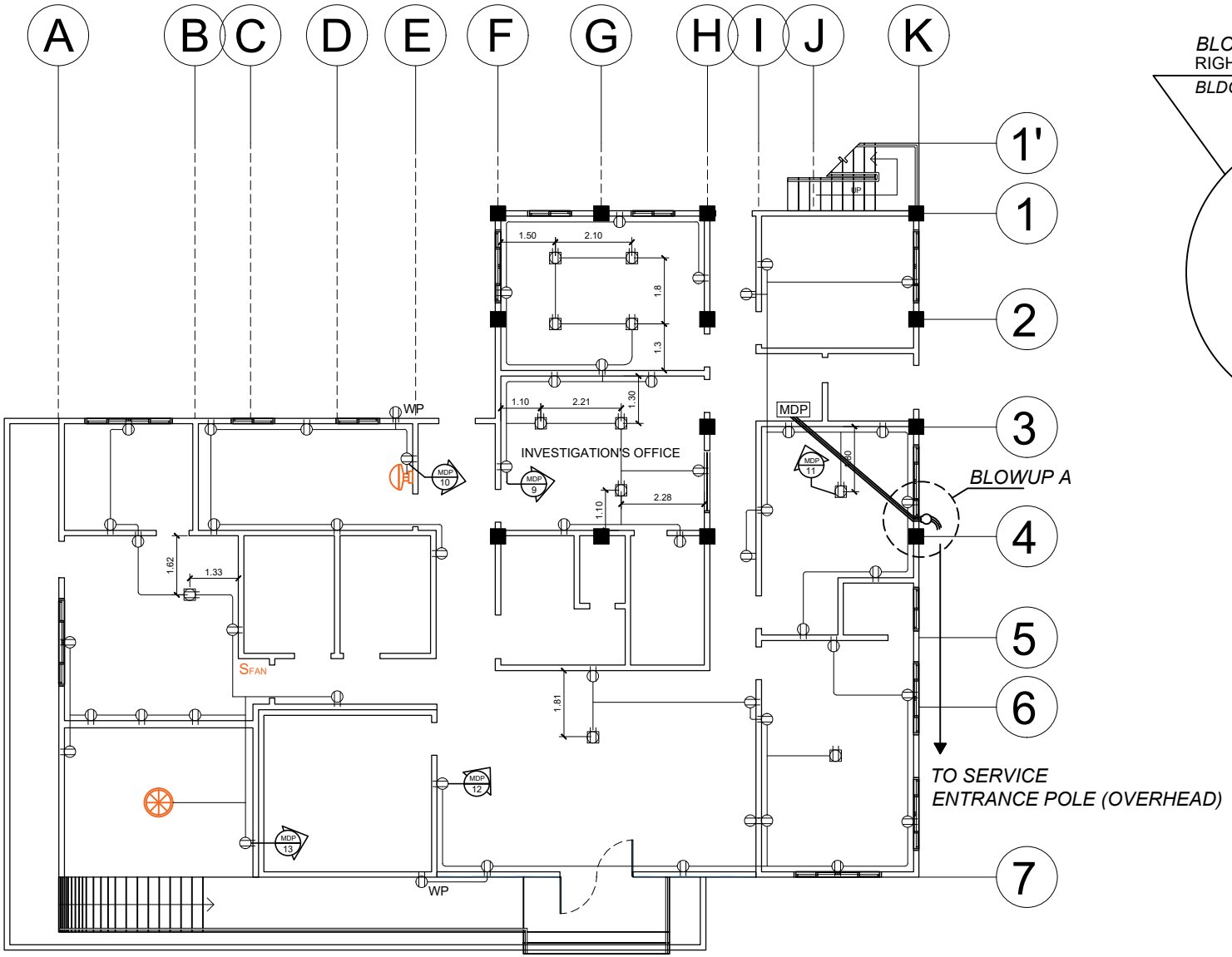

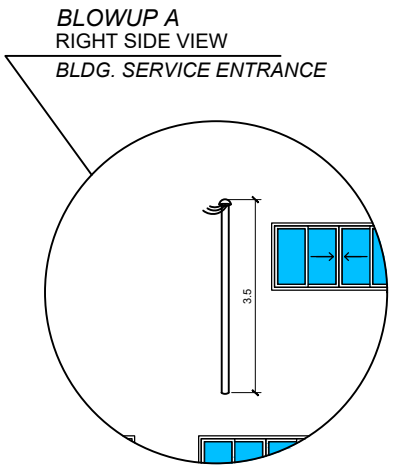

1 E-6 POWER LAYOUT GROUND FLOOR
SCALE

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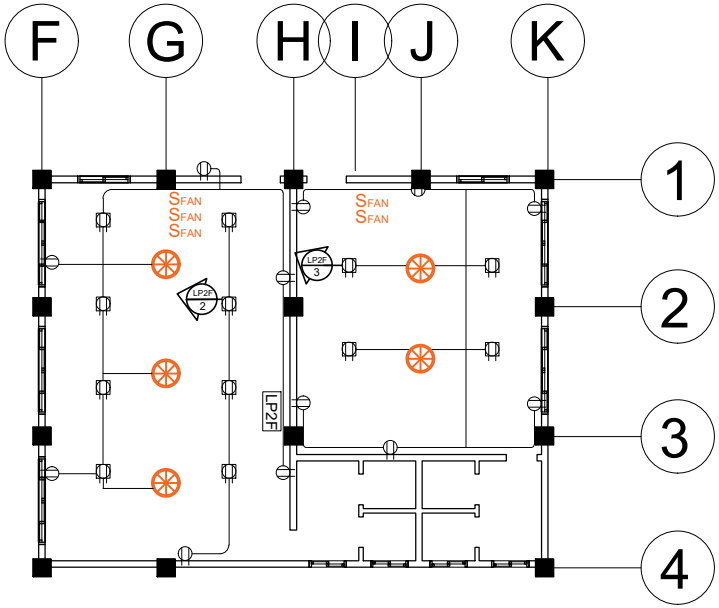
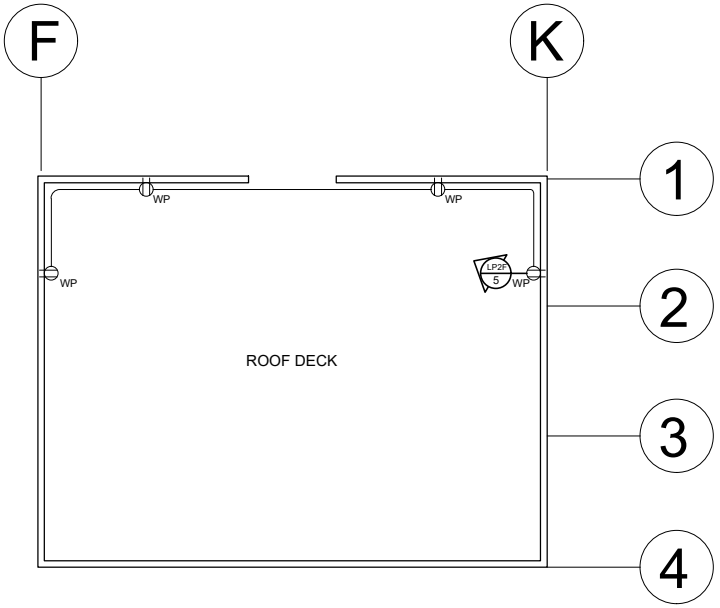


1 E-7 POWER LAYOUT 2ND FLOOR
SCALE



2 E-7 POWER LAYOUT ROOF DECK
SCALE

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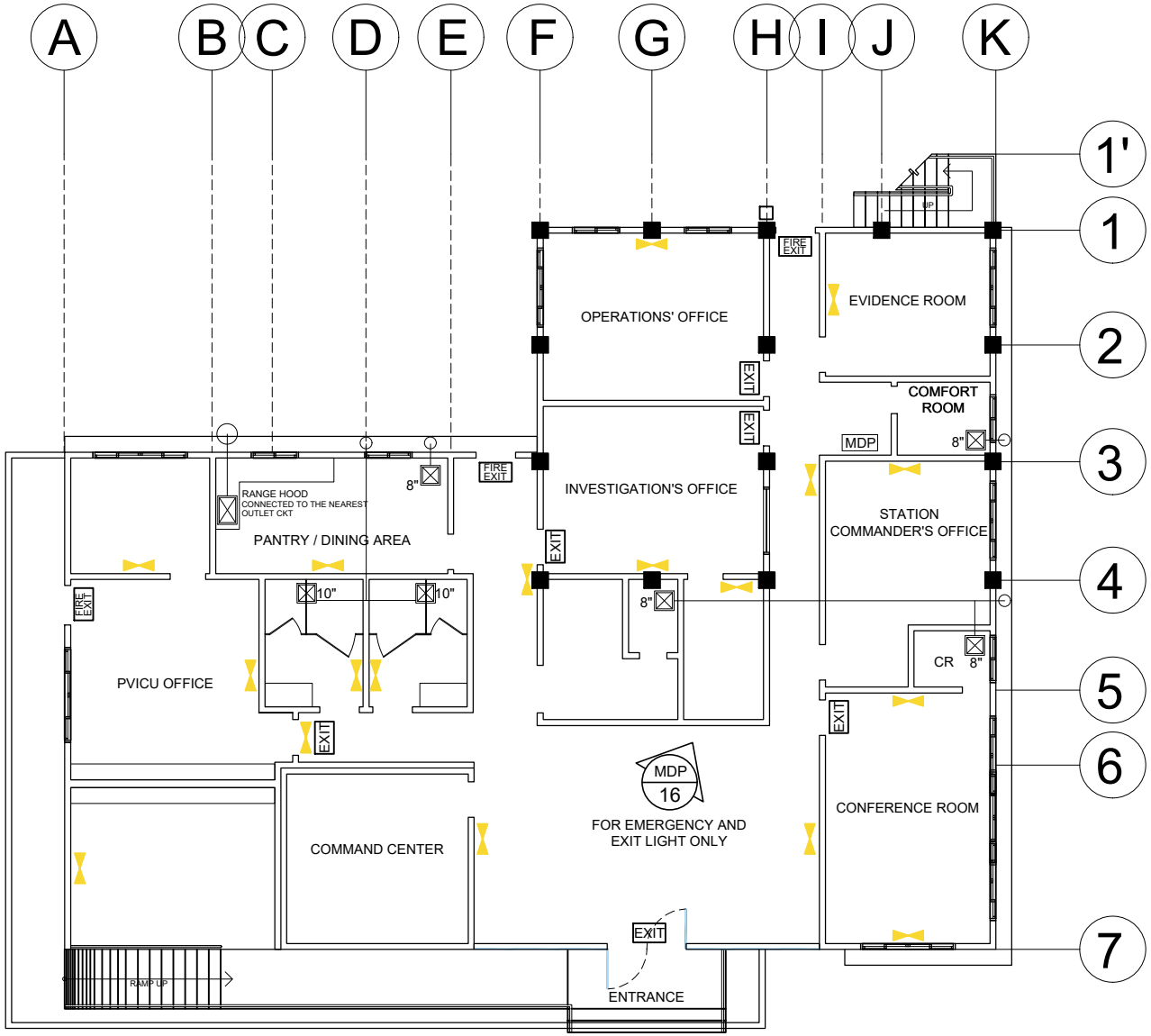

NOTE: EXHAUST FANS ARE CONNECTED TO THE LIGHT SWITCH OF THE ROOM

1 / E-8 EMERGENCY/EXIT LIGHT & EXHAUST LAYOUT GROUND FLOOR
SCALE

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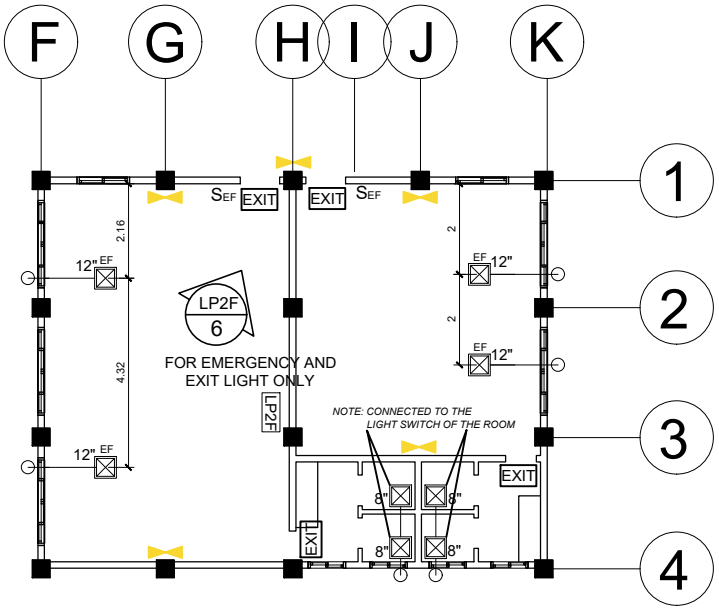
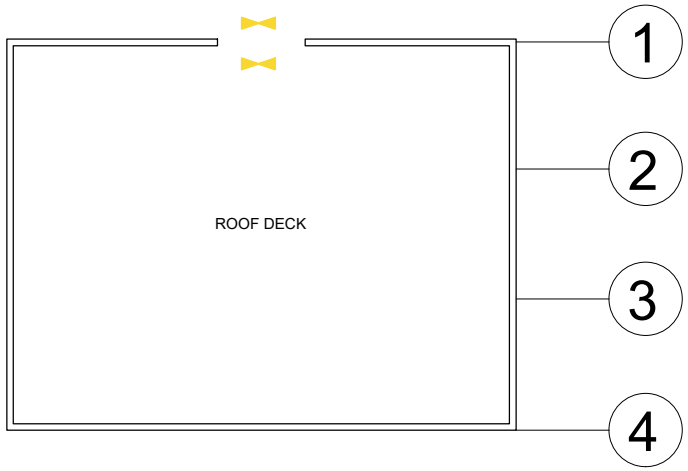


2 E-9 EMERGENCY/EXIT LIGHT & EXHAUST LAYOUT 2ND FLOOR
SCALE



2 E-9 EMERGENCY/EXIT LIGHT & EXHAUST LAYOUT GROUND FLOOR
SCALE

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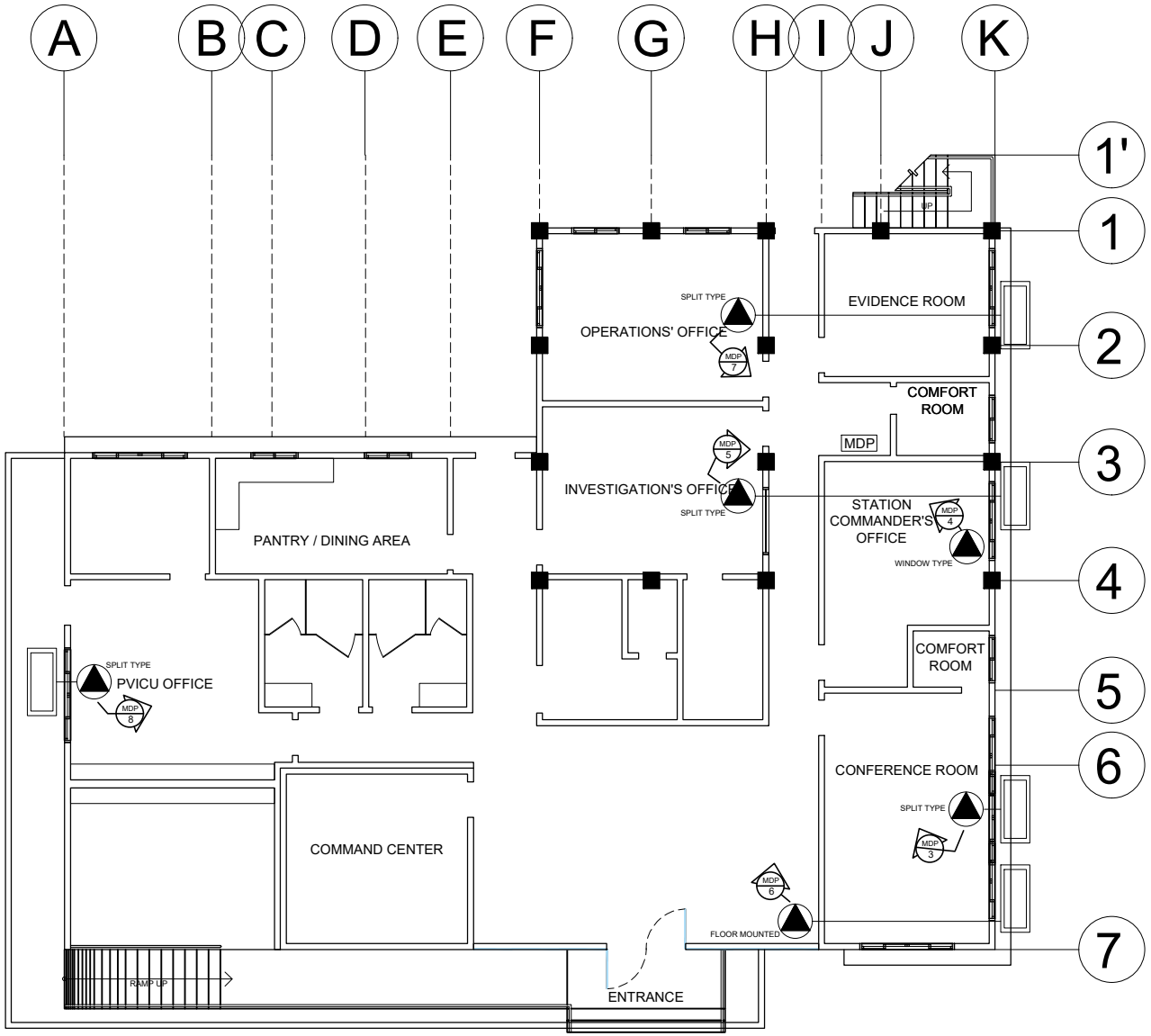

1 / E-10 AIR CONDITIONING LAYOUT GROUND FLOOR
SCALE

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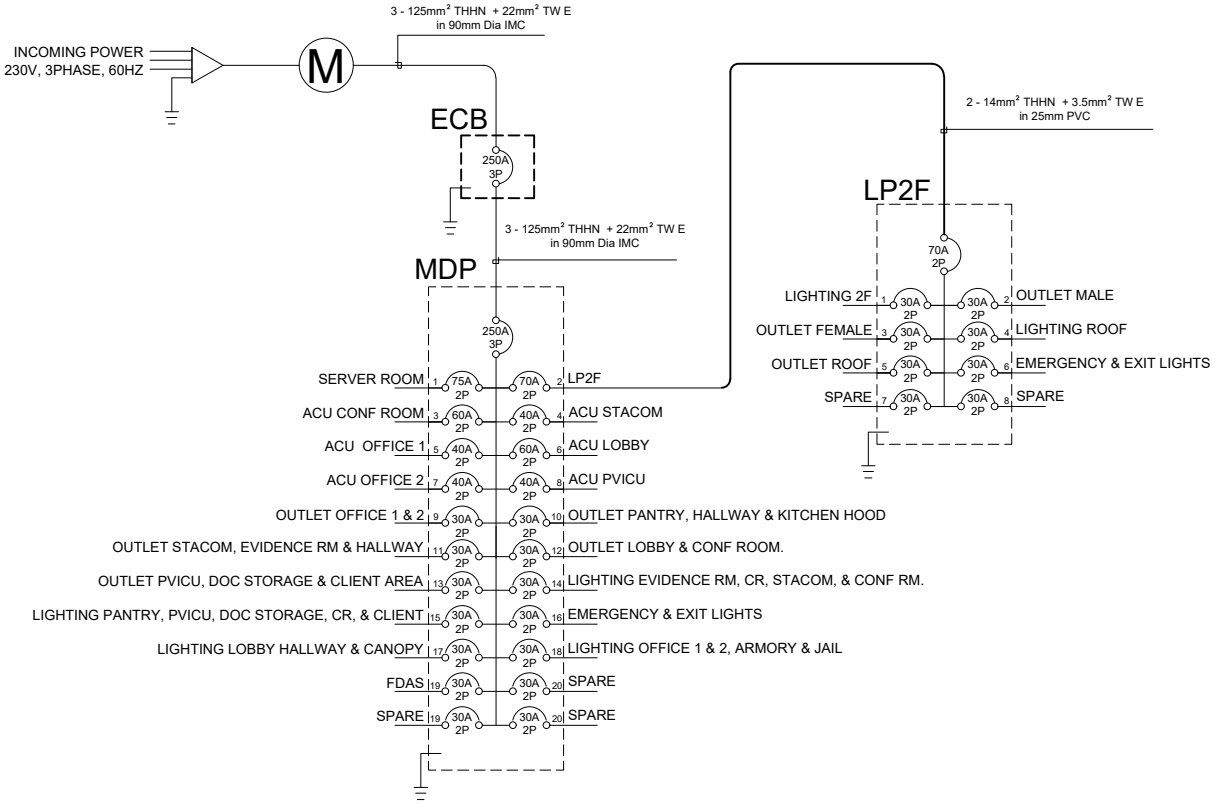
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. JHERVIN A. ANGLO** ESO II - ELECTRICAL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	AS-SHOWN	E-10



1 / E-11 SINGLE LINE DIAGRAM
SCALE

MDP

CCT No.	LOAD DESCRIPTION	VA RATING	VOLT	CURRENT (AMP) AB	BC	CA	3ø	POLE	CB RATING	CONDUCTOR SIZE	CONDUIT
1	SERVER ROOM	15000	230	65.22				2	75 A.T.	2-14mm² THHN +3.5mm² TW E	25mm dia PVC
2	LP2F	11,281	230		49.05			2	70 A.T.	2-14mm² THHN +3.5mm² TW E	25mm dia PVC
3	ACU CONFERENCE ROOM	4500	230			19.57		2	60 A.T.	2-8.0mm² THHN +3.5mm² TW E	20mm dia PVC
4	ACU STACOM	1500	230	6.52				2	40 A.T.	2-5.5mm² THHN +2.0mm² TW E	20mm dia PVC
5	ACU OFFICE 1	2,500	230		10.87			2	40 A.T.	2-5.5mm² THHN +2.0mm² TW E	20mm dia PVC
6	ACU LOBBY	4,500	230			19.57		2	60 A.T.	2-8.0mm² THHN +3.5mm² TW E	20mm dia PVC
7	ACU OFFICE 2	2,500	230	10.87				2	40 A.T.	2-5.5mm² THHN +2.0mm² TW E	20mm dia PVC
8	ACU PVICU	2,500	230		10.87			2	40 A.T.	2-5.5mm² THHN +2.0mm² TW E	20mm dia PVC
9	OUTLET OFFICE 1 & 2	3,060	230			13.30		2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
10	OUTLET PANTRY, HALLWAY & KITCHEN HOOD	1,570	230	6.83				2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
11	OUTLET STACOM, EVIDENCE RM, & HALLWAY	1,980	230		8.61			2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
12	OUTLET LOBBY & CONF RM.	2,700	230			11.74		2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
13	OUTLET PVICU, DOC STORAGE, & CLIENT AREA	2,220	230	9.65				2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
14	LIGHTING EVIDENCE RM, CR, STACOM, & CONF RM.	642	230		2.79			2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
15	LIGHTING PANTRY, PVICU, DOC STORAGE, CR, & CLIENT	941	230			4.09		2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
16	EMERGENCY & EXIT LIGHTS	200	230	0.87				2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
17	LIGHTING LOBBY, HALLWAY, & CANOPY	850	230		3.70			2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
18	LIGHTING OFFICE 1 & 2, ARMORY, & JAIL	840	230			3.65		2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
19	FDAS	100	230	0.43				2	30 A.T.	2-3.5mm² THHN +2.0mm² TW E	20mm dia PVC
20	SPARE	2,500	230		10.87			2	30 A.T.		
21	SPARE	2,500	230			10.87		2	30 A.T.		
22	SPARE	2,500	230	10.87				2	30 A.T.		
	TOTAL	66,884		111.26	96.75	82.79					

IT = [(111.7 x 1.732) + (19.57 x 0.25%)] x 125%
= 248 AMP.

Main Feeder Conductors:
3 - 125mm² THHN + 22mm² TW E in 90mm dia IMC

MAIN CIRCUIT BREAKER PROTECTION:
Use 250AT, 3P, 230v 60Hz

LP2F

CKT. NO.	LOAD DESCRIPTION	VA RATING	VOLT	CURRENT (AMP)	POLE	CB RATING	CONDUCTOR SIZE	CONDUIT
1	LIGHTING 2F & EF	1199	230	5.21	2	30 A.T.	2-3.5mm² THHN + 2.0mm² TW E	20mm dia PVC
2	OUTLET MALE	2340	230	10.17	2	30 A.T.	2-3.5mm² THHN + 2.0mm² TW E	20mm dia PVC
3	OUTLET FEMALE	1800	230	7.83	2	30 A.T.	2-3.5mm² THHN + 2.0mm² TW E	20mm dia PVC
4	EMERGENCY & EXIT LIGHTS	60	230	0.26	2	30 A.T.	2-3.5mm² THHN + 2.0mm² TW E	20mm dia PVC
5	LIGHTING RD	162	230	0.70	2	30 A.T.		
6	OUTLET RD	720	230	3.13	2	30 A.T.		
7	SPACE	2,500	230	10.87	2	30 A.T.		
8	SPACE	2,500	230	10.87	2	30 A.T.		
	TOTAL	11,281		49.05				

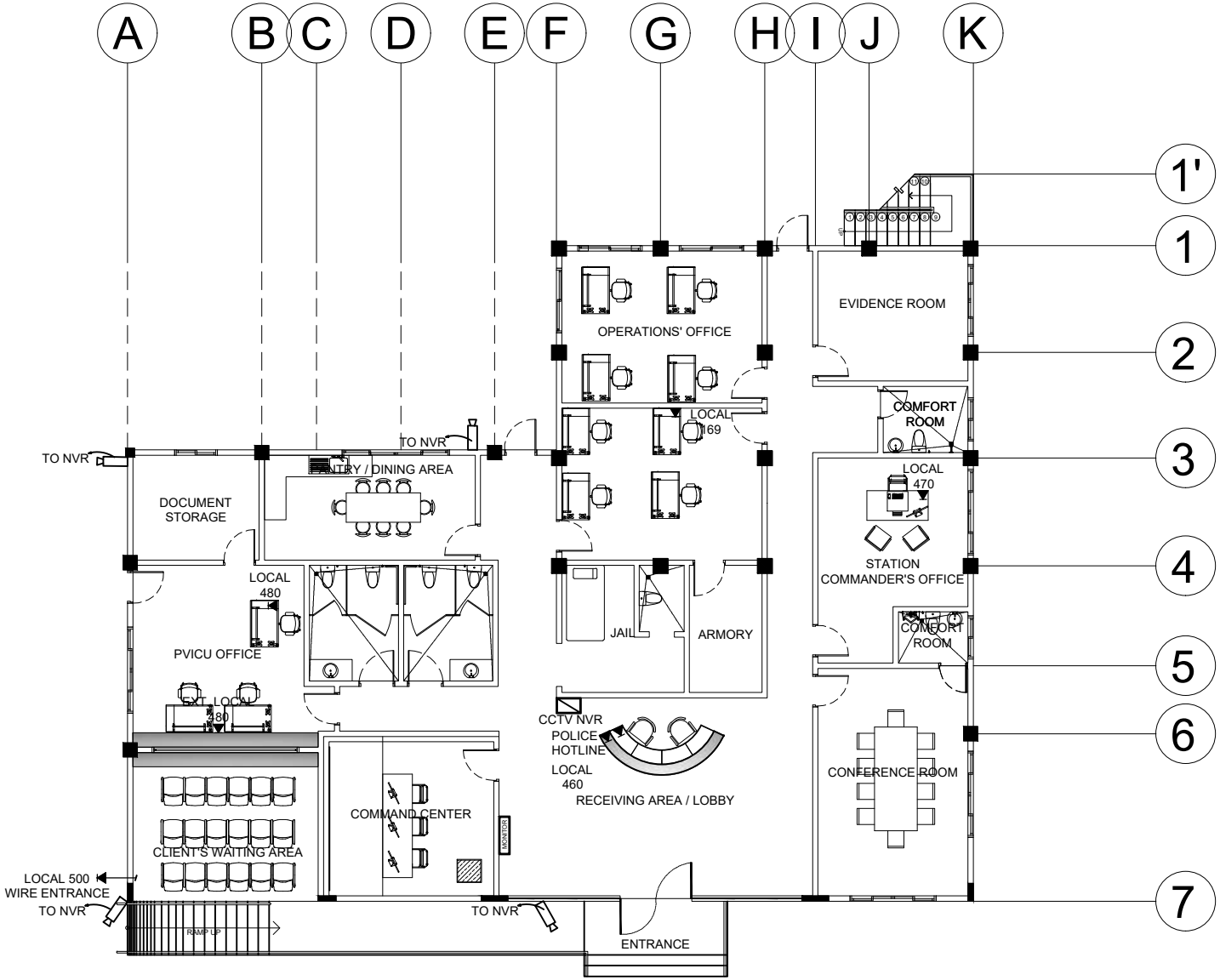
IT = 45.21 x 125%
= 56.51 amp.

Main Feeder Conductors:
2 - 14mm² THHN + 3.5mm² TW E in 25mm dia PVC

MAIN CIRCUIT BREAKER PROTECTION:
Use 70AT, 2P, 230v 60Hz

2 / E-11 SCHEDULE OF LOADS
SCALE

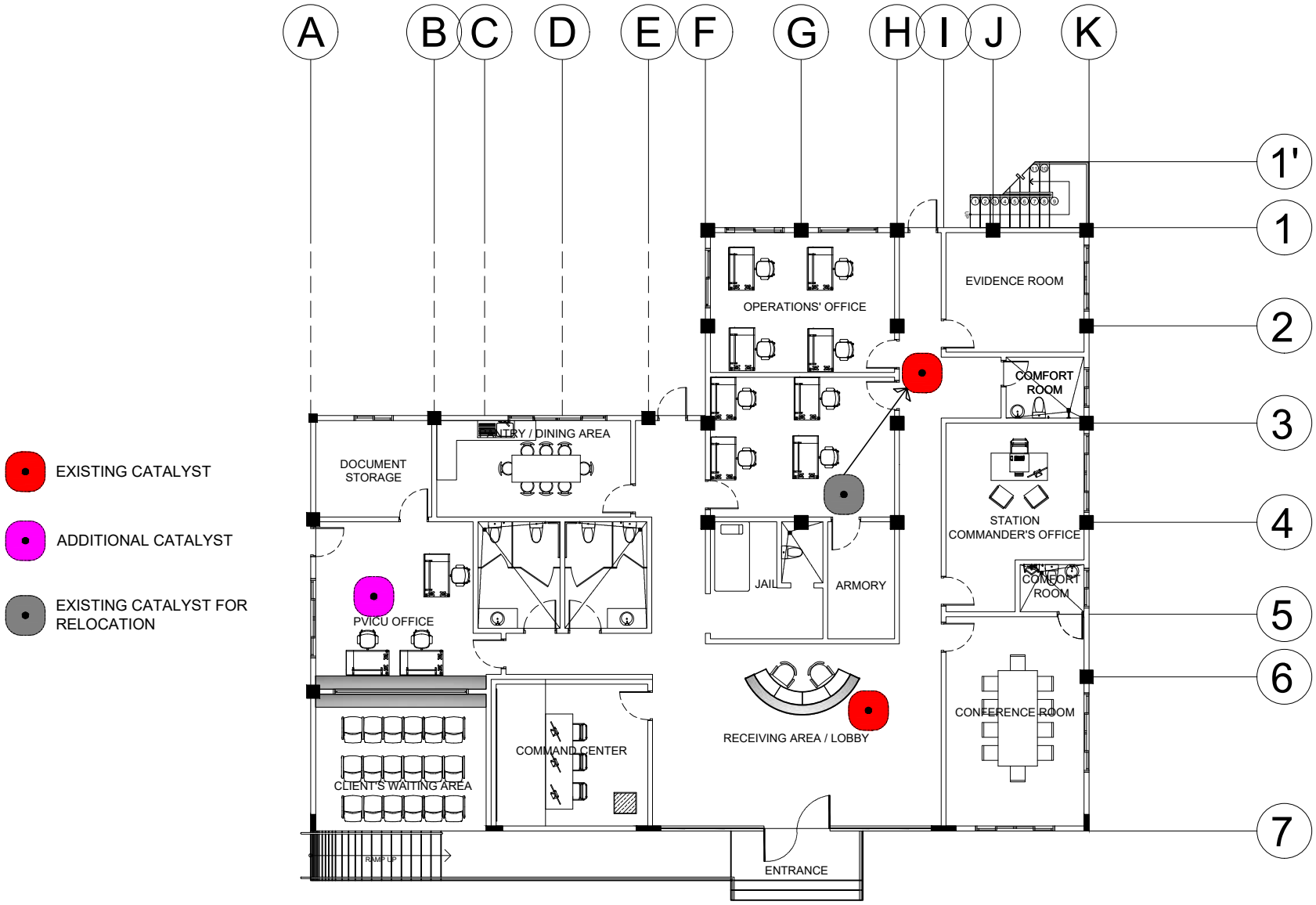
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. JHERVIN A. ANGLO** ESO II - ELECTRICAL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	AS-SHOWN	E-11



1 EL-1 TELEPHONE AND CCTV LAYOUT

SCALE NTS

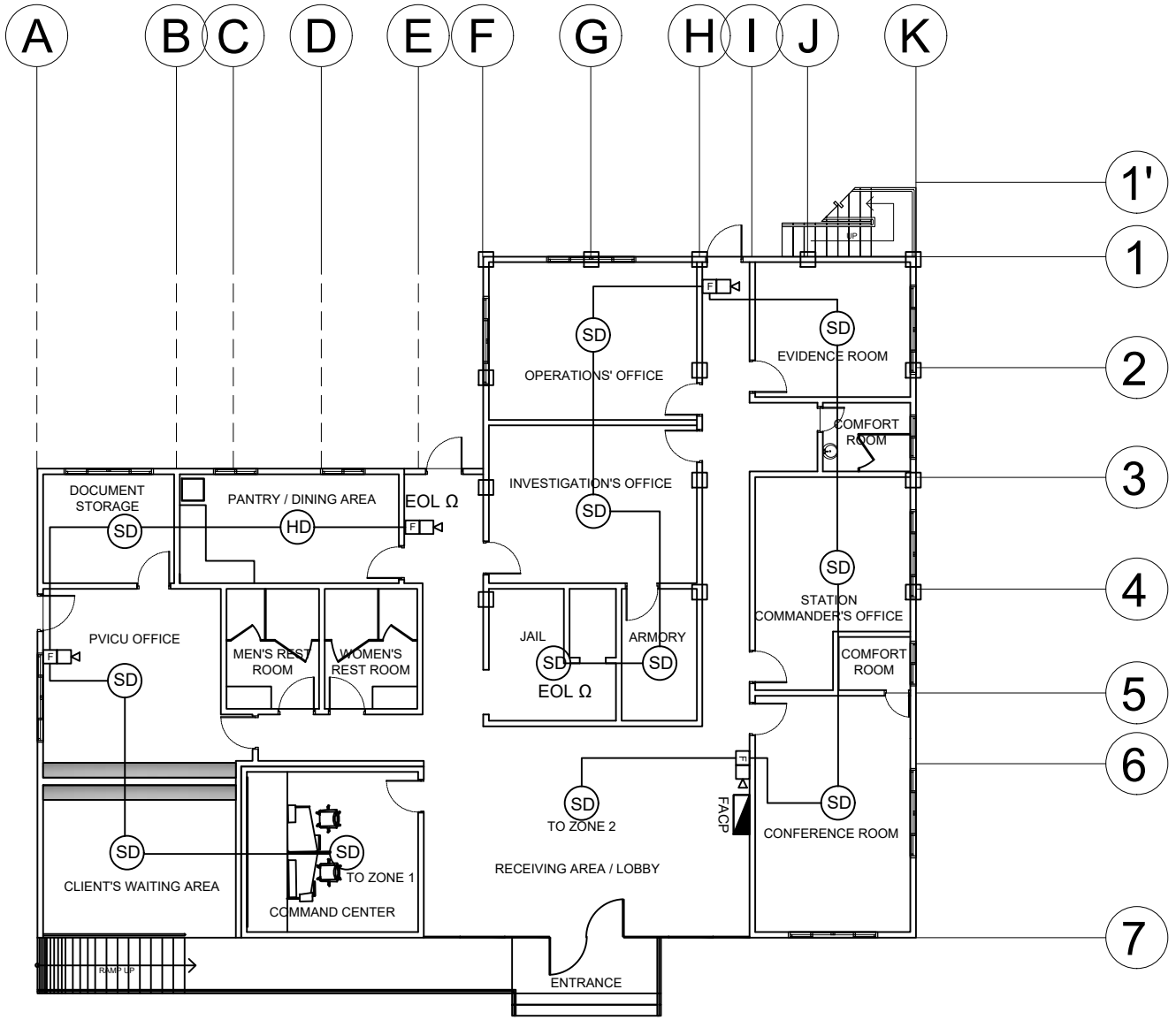
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. CLAUDINE L. MEDINA** ESO IV - ELECTRONICS ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	TELEPHONE AND CCTV LAYOUT	EL - 1



1 EL-2 LAN AND STRUCTURED CABLING

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. CLAUDINE L. MEDINA** ESO IV - ELECTRONICS ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	**Atty. NORMA B. TAÑAG** ZONE ADMINISTRATOR, CEZ	LAN AND STRUCTURED CABLING	EL - 2



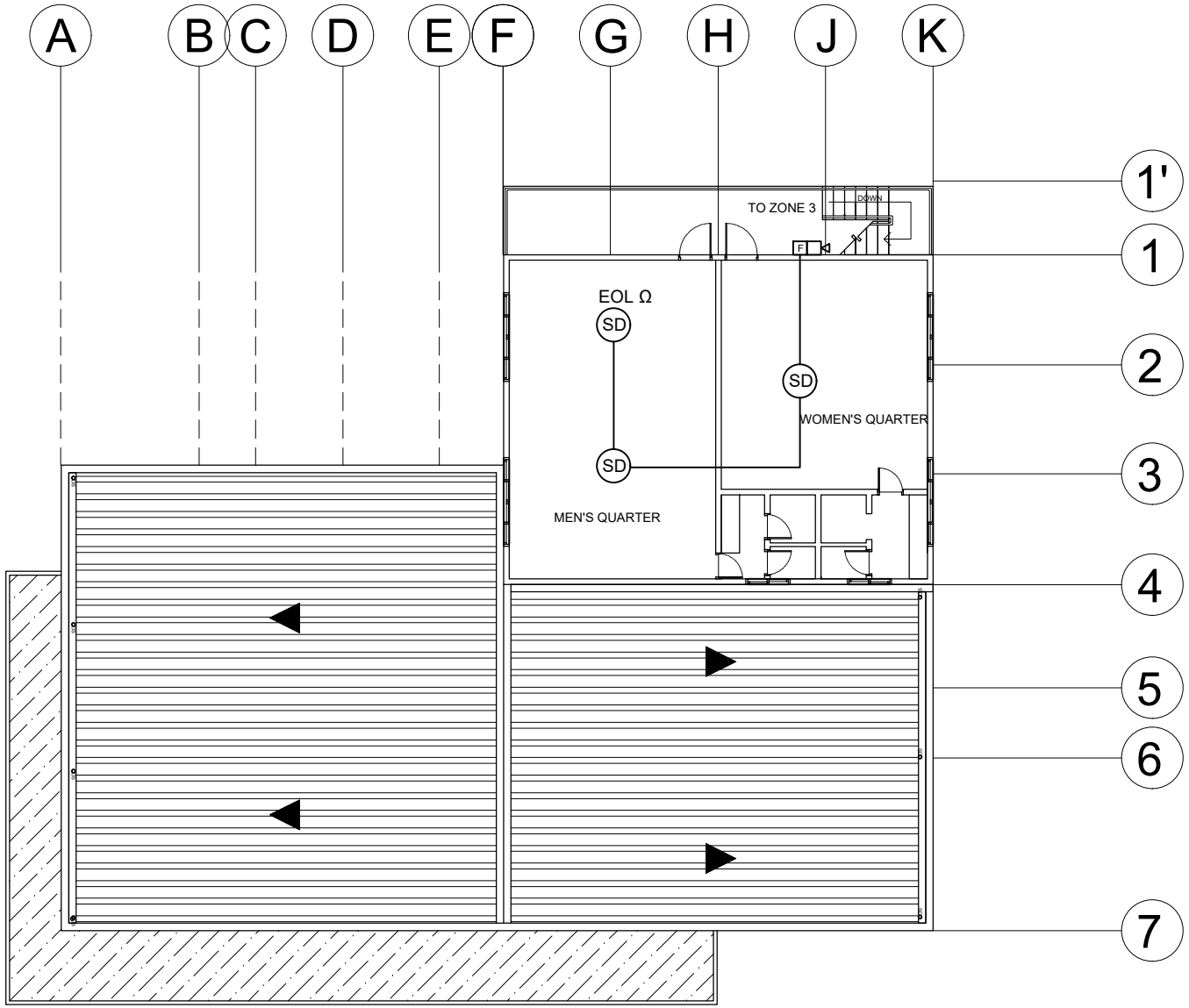
LEGEND

- SD — Smoke Detector
- HD — Heat Detector
- Fire Alarm Strobe Sounder
- F — Manual Pull Station
- Fire Alarm Control Panel

1 FDAS-1 GROUND FLOOR DEVICE LAYOUT

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. EHDIESON T. LUIS** ESO II - ELECTRONICS ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	GROUND FLOOR DEVICE LAYOUT	FDAS - 1



LEGEND

- SD — Smoke Detector
- HD — Heat Detector
- — Fire Alarm Strobe Sounder
- F — Manual Pull Station
- — Fire Alarm Control Panel

1 FDAS-2 SECOND FLOOR DEVICE LAYOUT

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. EHDIESON T. LUIS** ESO II - ELECTRONICS ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	GROUND FLOOR DEVICE LAYOUT	FDAS - 2

GENERAL NOTES

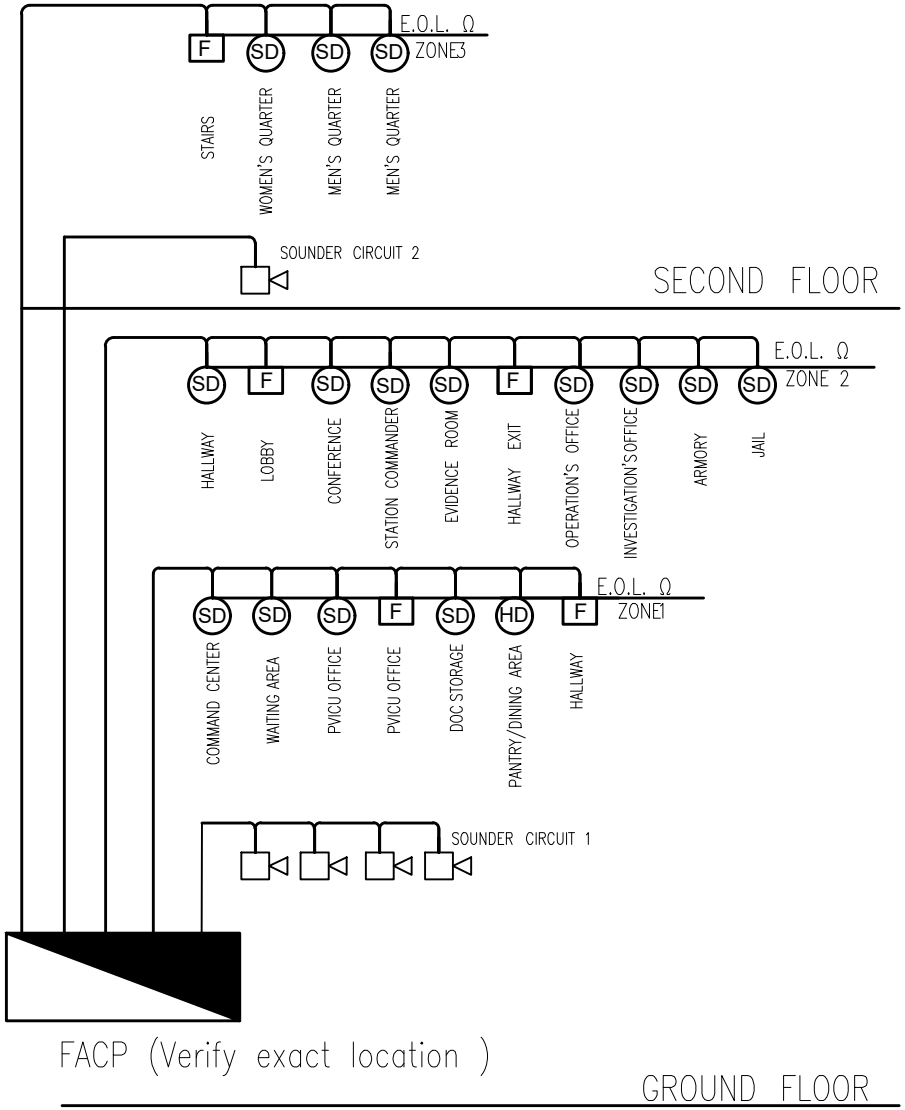
WORKMANSHIP TO COMPLY WITH INDUSTRY STANDARDS AND APPROVES METHODOLOGIES IN APPLICABLE MANUALS, HANDBOOKS, LATEST EDITION OF THE PHILIPPINE ELECTRONICS CODE, BUREAU OF FIRE WITH THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITY.

ALL MATERIALS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS AND PRINTER WARNING FOR THE HANDLING AND INSTALLATION OF ALL PRE-MANUFACTURED PRODUCTS, AND CONTRACT DOCUMENTS.

CONTRACTOR SHALL MAINTAIN A NEAT AND DEBRIS FREE SITE, UPON COMPLETION OF ANY CONSTRUCTION OPERATION (INCLUDING END OF SHIFT OR END OF TEMPORARY ACTIVITY).

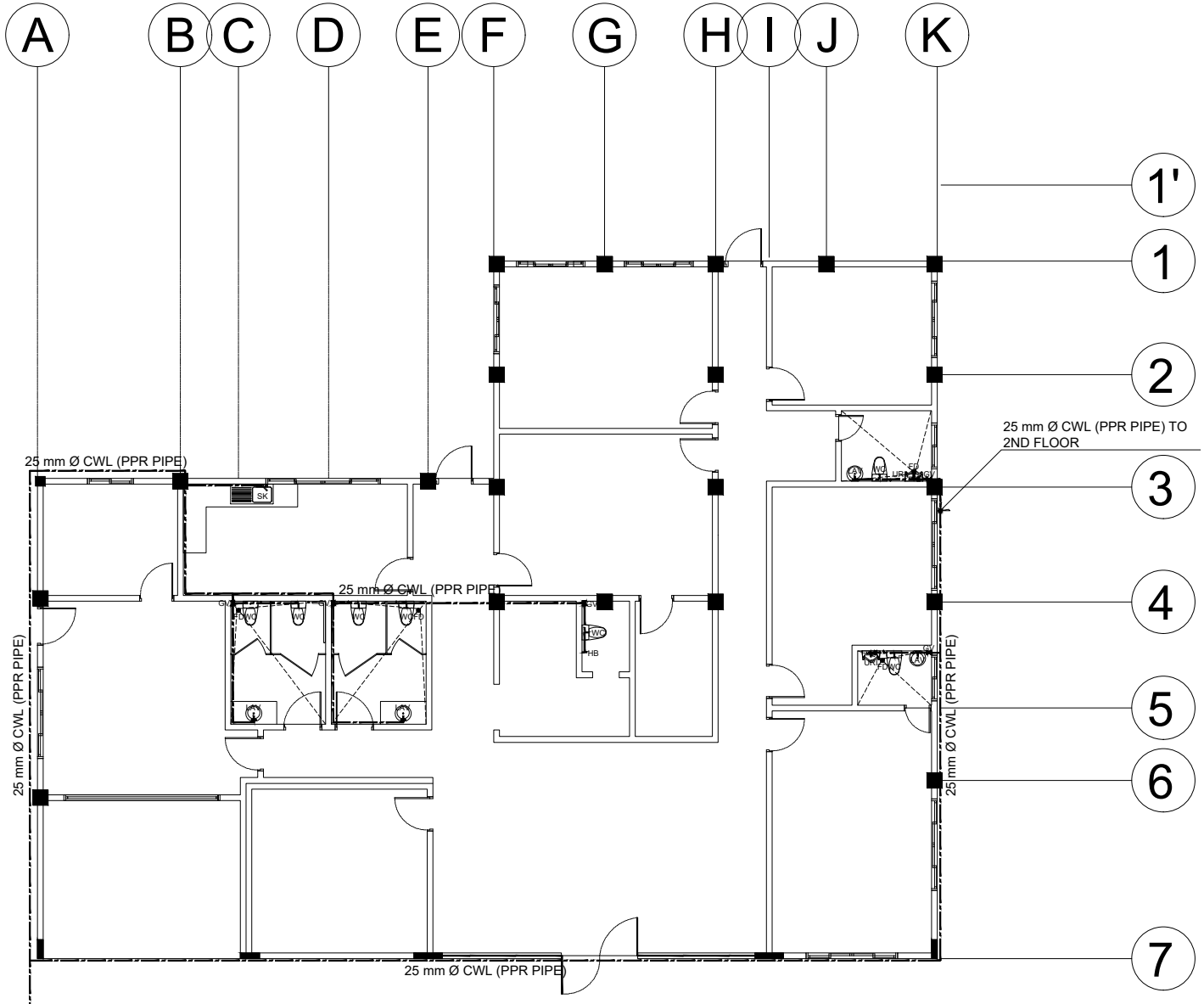
CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED OR MAINTAINED IN FULLY ACCESSIBLE POSITION. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOW FOR BETTER ACCESSIBILITY WHEN ACCEPTED BY THE PROJECT PROPONENT.

1. USE NOT LESS THAN 16 AWG FIRE ALARM CABLE IN 15-20mmø IMC/EMT OR PVC FOR EMBEDDED INSTALLATION
2. USE 3.5 mm2 WIRE FOR FIRE ALARM CONTROL PANEL PRIMARY WIRING.



1 FDAS-3 SCHEMATIC DIAGRAM
SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. EHDIESON T. LUIS** ESO II - ELECTRONICS ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	SCHEMATIC DIAGRAM	FDAS - 3



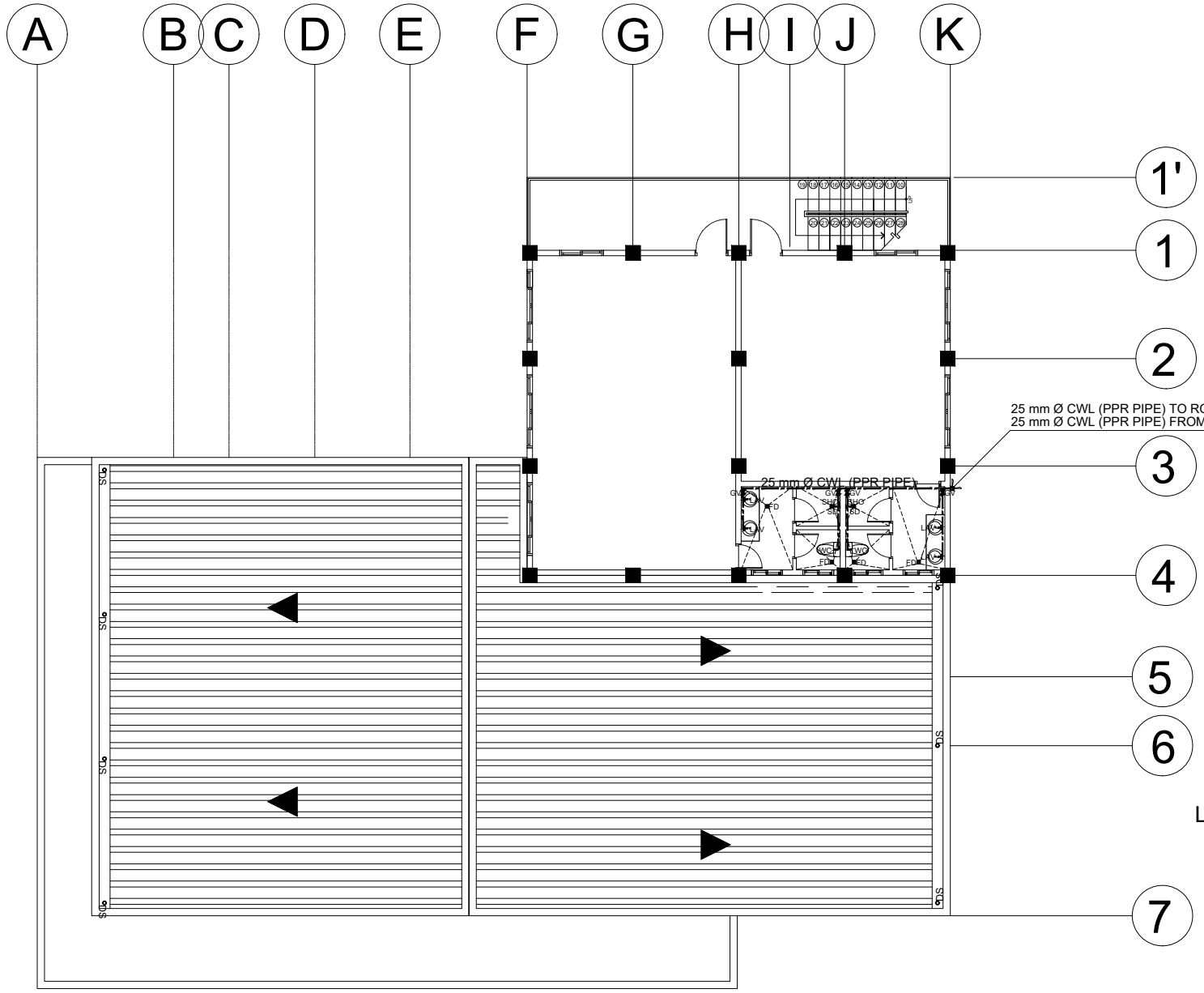
1 / P-1 GROUND FLOOR WATER LINE LAYOUT

SCALE 1:75 MTS

LEGEND AND SYMBOLS

	SP / WP	SOIL PIPE / WASTE PIPE
	CB	CATCH BASIN
	CO / FCO	CLEANOUT / FLOOR CLEANOUT
	VSTR/ W	VENT STACK THRU ROOF / WALL
	VAC	VENT ABOVE CEILING
	VP	VENT PIPE
	DP	DRAIN PIPE
	DS	DOWN SPOUT
	WC	WATER CLOSET
	LAV	LAVATORY
	SK	SINK
	UR	URINAL
	AC	AIR CHAMBER
	SHO	SHOWER
	SD	SHOWER DRAIN
	FD	FLOOR DRAIN
	GV	GATE VALVE
	CWL / WL	COLD WATER LINE
	CWR	COLD WATER RISER
	DS	STORM DRAIN

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	GROUND FLOOR WATER LINE LAYOUT	P - 1



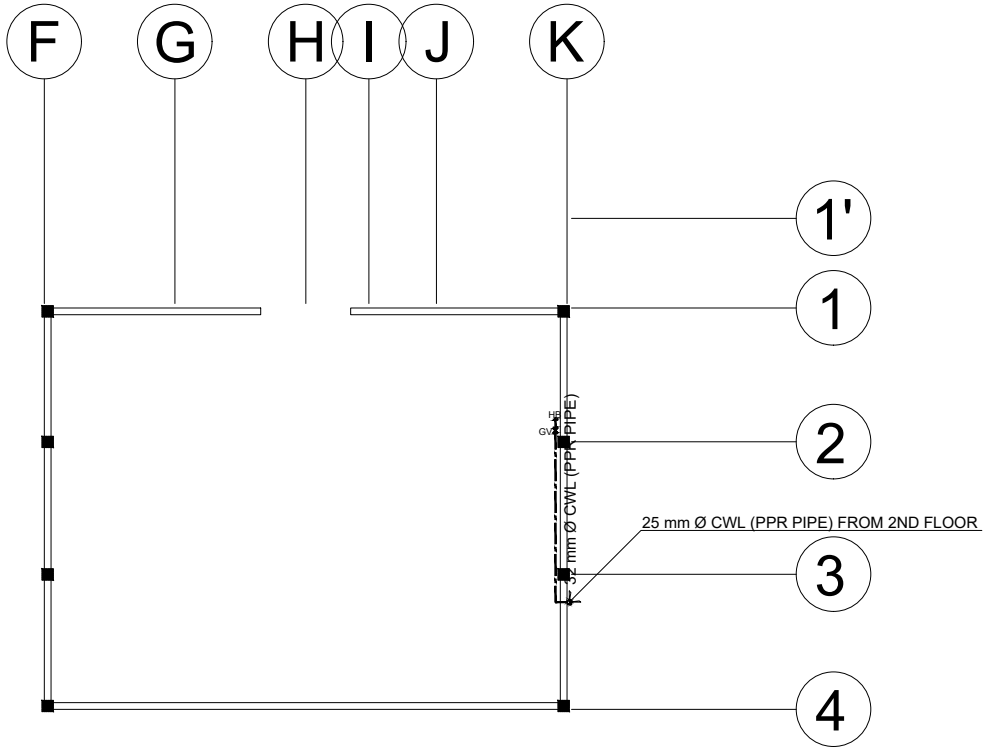
LEGEND AND SYMBOLS

	SP / WP	SOIL PIPE / WASTE PIPE
	CB	CATCH BASIN
	CO / FCO	CLEANOUT / FLOOR CLEANOUT
	VSTR/ W	VENT STACK THRU ROOF / WALL
	VAC	VENT ABOVE CEILING
	VP	VENT PIPE
	DP	DRAIN PIPE
	DS	DOWN SPOUT
	WC	WATER CLOSET
	LAV	LAVATORY
	SK	SINK
	UR	URINAL
	AC	AIR CHAMBER
	SHO	SHOWER
	SD	SHOWER DRAIN
	FD	FLOOR DRAIN
	GV	GATE VALVE
	CWL / WL	COLD WATER LINE
	CWR	COLD WATER RISER
	DS	STORM DRAIN

1 / P-2 SECOND FLOOR WATER LINE LAYOUT

SCALE 1:75 MTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	SECOND FLOOR WATER LINE LAYOUT	P - 2



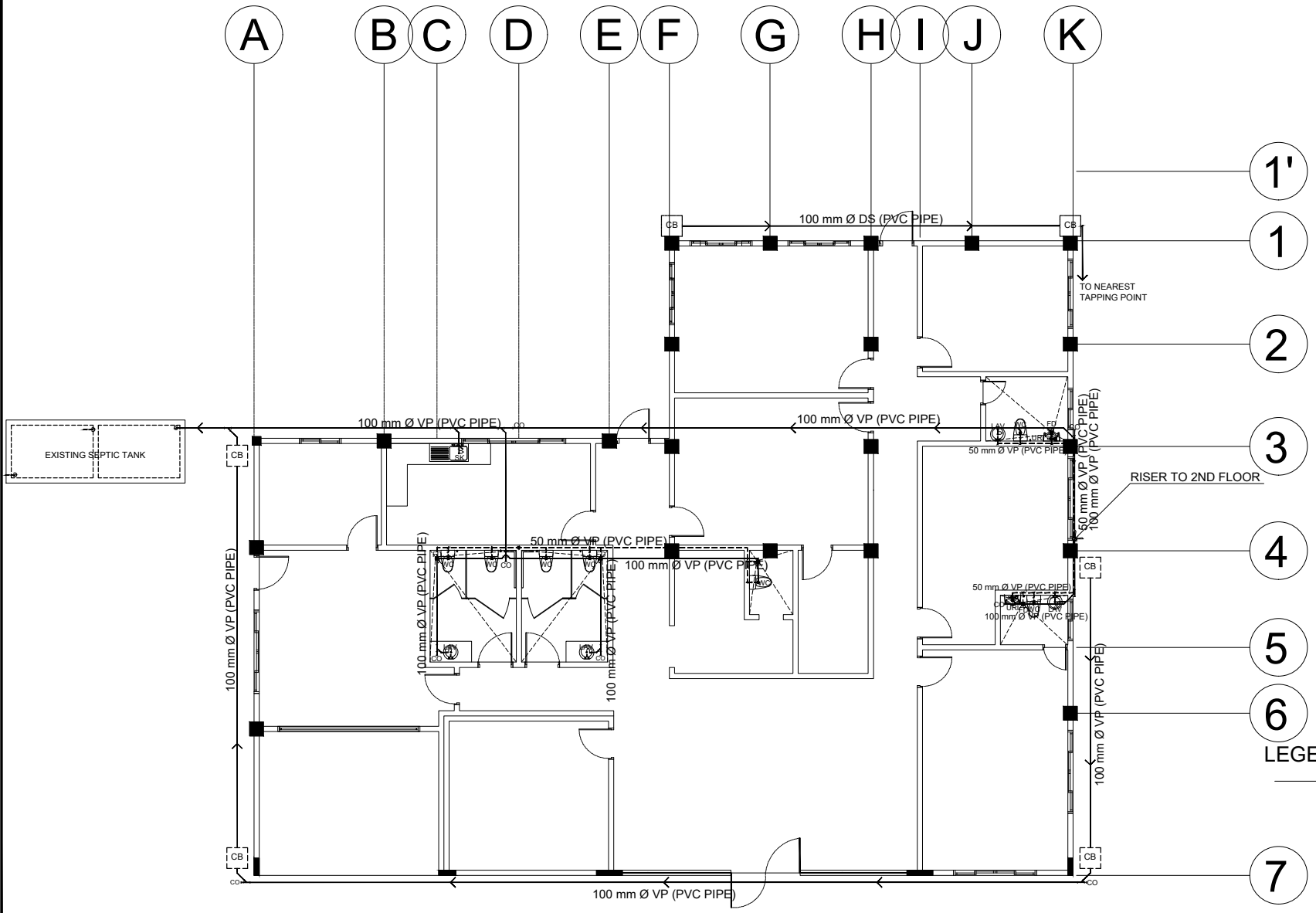
1 / P-3 ROOF DECK WATER LINE LAYOUT

SCALE 1:75 MTS

LEGEND AND SYMBOLS

———	SP / WP	SOIL PIPE / WASTE PIPE
	CB	CATCH BASIN
⫴——	CO / FCO	CLEANOUT / FLOOR CLEANOUT
	VSTR/ W	VENT STACK THRU ROOF / WALL
	VAC	VENT ABOVE CEILING
	VP	VENT PIPE
	DP	DRAIN PIPE
	DS	DOWN SPOUT
	WC	WATER CLOSET
	LAV	LAVATORY
	SK	SINK
	UR	URINAL
	AC	AIR CHAMBER
	SHO	SHOWER
	SD	SHOWER DRAIN
	FD	FLOOR DRAIN
— - —⋈— - —	GV	GATE VALVE
—— - —— - ——	CWL / WL	COLD WATER LINE
	CWR	COLD WATER RISER
	DS	STORM DRAIN

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	ROOF DECK WATER LINE LAYOUT	P - 3



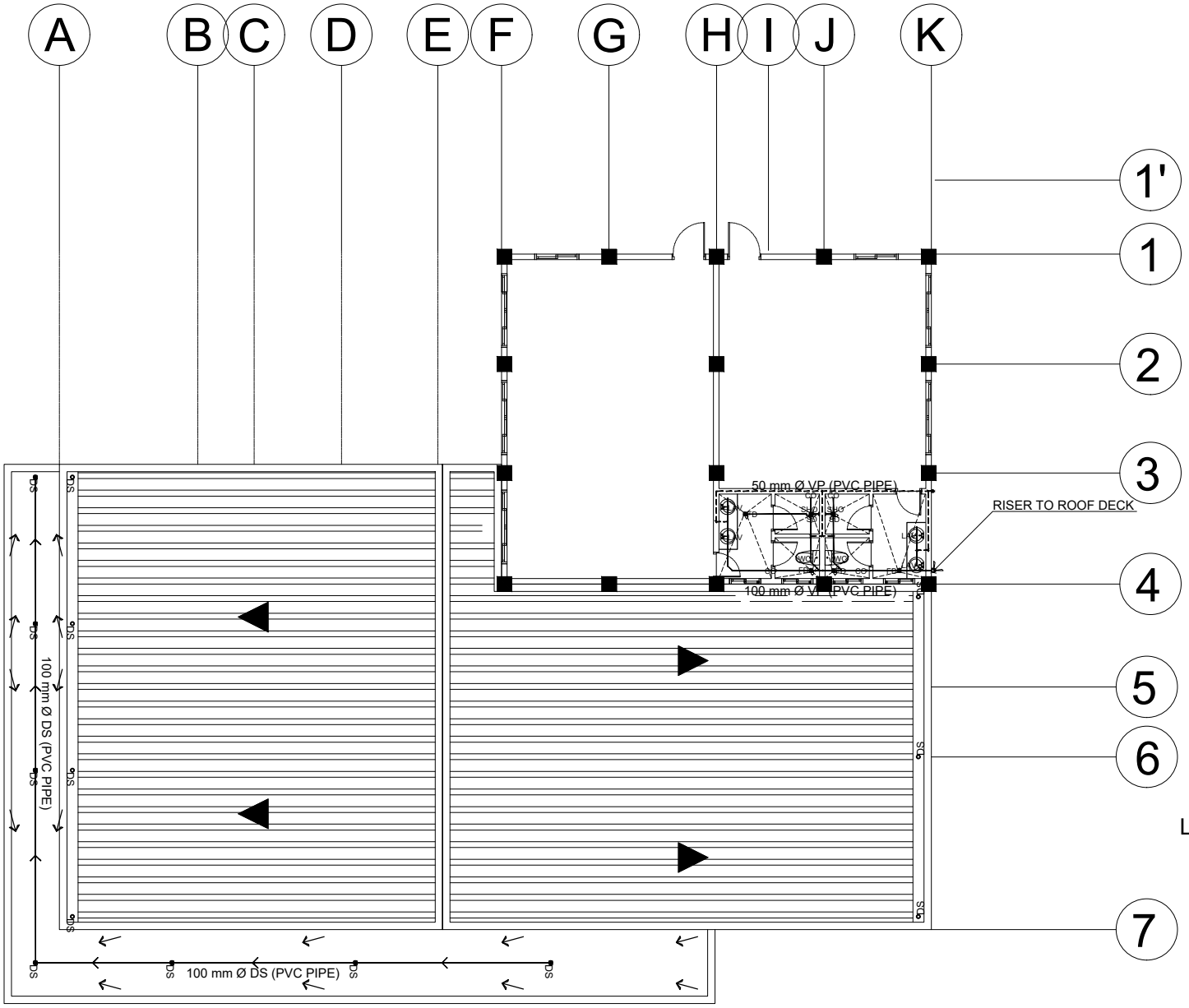
GROUND FLOOR SEWER LINE LAYOUT

1 / P-4 SCALE 1:75 MTS

LEGEND AND SYMBOLS

SP / WP	SOIL PIPE / WASTE PIPE
CB	CATCH BASIN
CO / FCO	CLEANOUT / FLOOR CLEANOUT
VSTR/ W	VENT STACK THRU ROOF / WALL
VAC	VENT ABOVE CEILING
VP	VENT PIPE
DP	DRAIN PIPE
DS	DOWN SPOUT
WC	WATER CLOSET
LAV	LAVATORY
SK	SINK
UR	URINAL
AC	AIR CHAMBER
SHO	SHOWER
SD	SHOWER DRAIN
FD	FLOOR DRAIN
GV	GATE VALVE
CWL / WL	COLD WATER LINE
CWR	COLD WATER RISER
DS	STORM DRAIN

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	GROUND FLOOR SEWER LINE LAYOUT	P - 4



LEGEND AND SYMBOLS

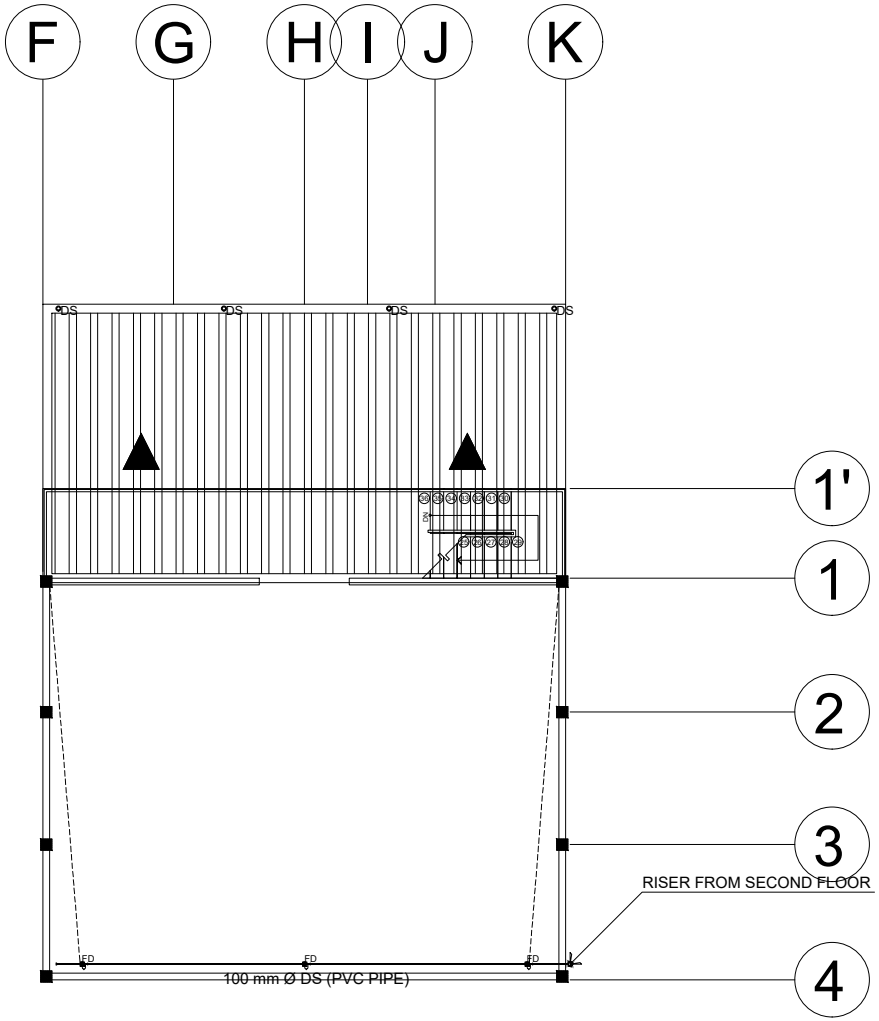
SP / WP	SOIL PIPE / WASTE PIPE
CB	CATCH BASIN
CO / FCO	CLEANOUT / FLOOR CLEANOUT
VSTR/ W	VENT STACK THRU ROOF / WALL
VAC	VENT ABOVE CEILING
VP	VENT PIPE
DP	DRAIN PIPE
DS	DOWN SPOUT
WC	WATER CLOSET
LAV	LAVATORY
SK	SINK
UR	URINAL
AC	AIR CHAMBER
SHO	SHOWER
SD	SHOWER DRAIN
FD	FLOOR DRAIN
GV	GATE VALVE
CWL / WL	COLD WATER LINE
CWR	COLD WATER RISER
DS	STORM DRAIN

1 / P-5

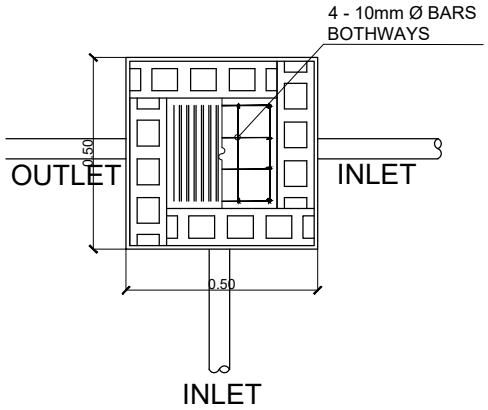
SECOND FLOOR SEWER LINE LAYOUT

SCALE 1:75 MTS

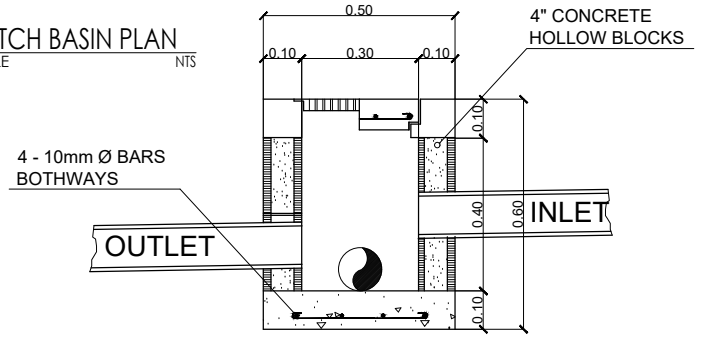
PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	SECOND FLOOR SEWER LINE LAYOUT	P - 5



1 / P-6 ROOF DECK SEWER LINE LAYOUT
SCALE 1:75 MTS



2 / P-6 CATCH BASIN PLAN
SCALE NTS

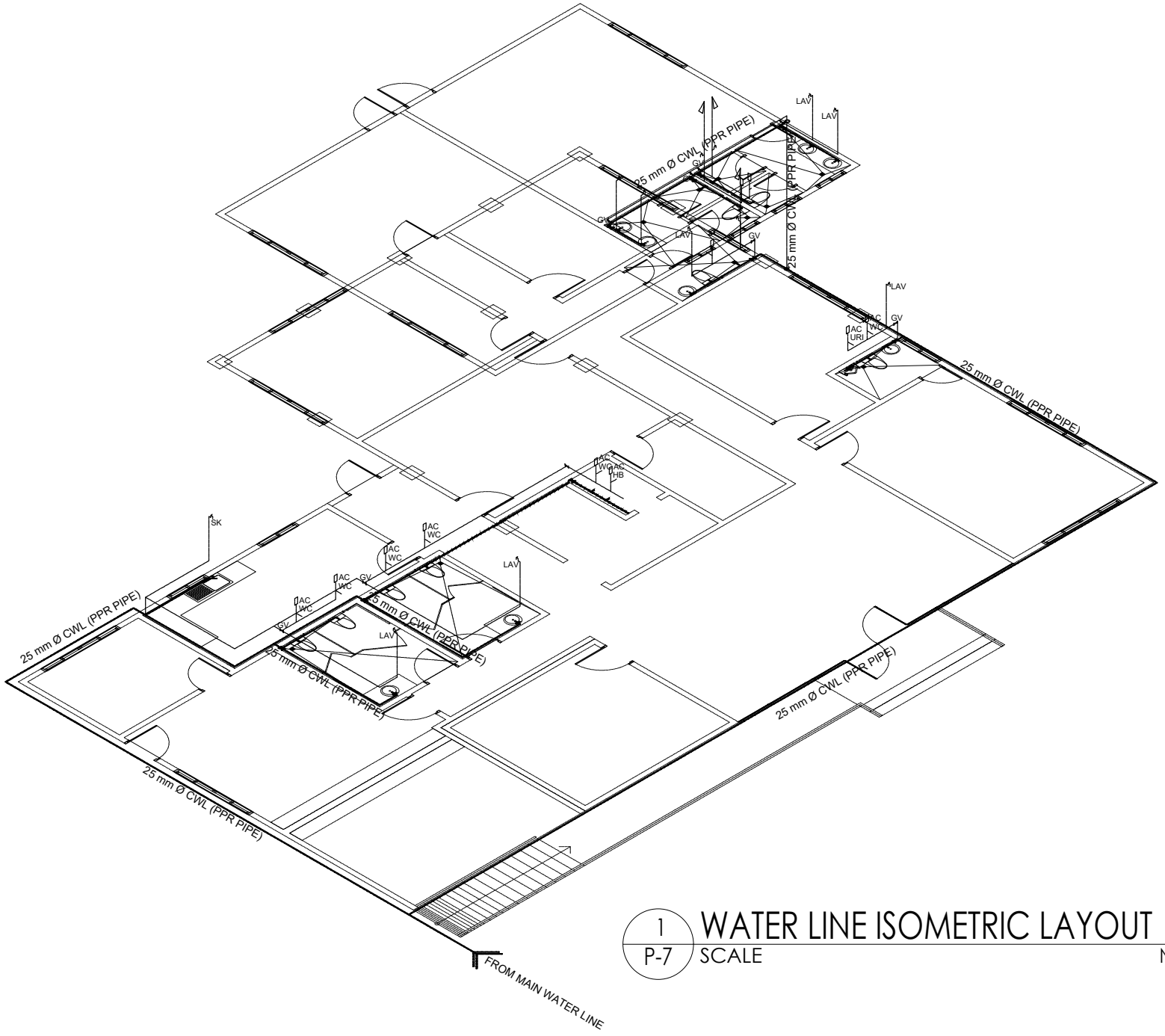


3 / P-6 CATCH BASIN SECTION
SCALE NTS

LEGEND AND SYMBOLS

———	SP / WP	SOIL PIPE / WASTE PIPE
	CB	CATCH BASIN
⫴	CO / FCO	CLEANOUT / FLOOR CLEANOUT
	VSTR/ W	VENT STACK THRU ROOF / WALL
	VAC	VENT ABOVE CEILING
	VP	VENT PIPE
	DP	DRAIN PIPE
	DS	DOWN SPOUT
	WC	WATER CLOSET
	LAV	LAVATORY
	SK	SINK
	UR	URINAL
	AC	AIR CHAMBER
	SHO	SHOWER
	SD	SHOWER DRAIN
	FD	FLOOR DRAIN
— - —⋈— - —	GV	GATE VALVE
—— - —— - ——	CWL / WL	COLD WATER LINE
	CWR	COLD WATER RISER
	DS	STORM DRAIN

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	ROOF DECK SEWER LINE LAYOUT CATCH BASIN PLAN CATCH BASIN SECTION	P - 6

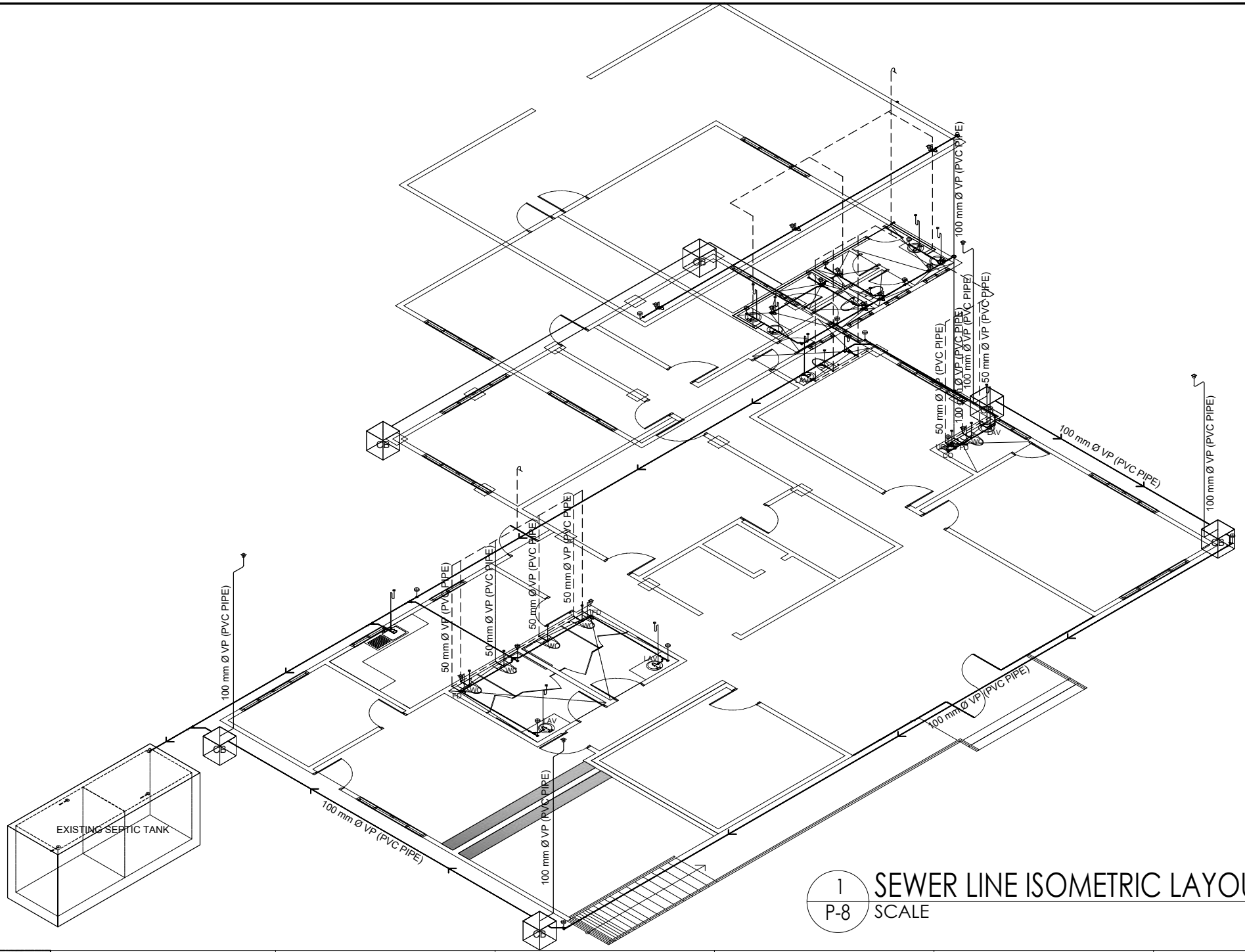


1
P-7

WATER LINE ISOMETRIC LAYOUT

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	WATER LINE ISOMETRIC LAYOUT	P - 7



1 / P-8 SEWER LINE ISOMETRIC LAYOUT

SCALE NTS

PROJECT TITLE	PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET CONTENTS	SHEET NUMBER
REHABILITATION OF CEZ POLICE STATION LOCATION: PEZA-CEZ, ROSARIO, CAVITE	**Engr. SHARAMAY S. NAVARRO** ESO III - CIVIL ENGINEER	**Engr. CHARLES ALDRIN N. BAYBAY** DIVISION CHIEF II, CEZ-EMD	**Engr. JOSE A. IBASCO** CONCURRENT ACTING DM OF OPERATIONS, CEZ	Atty. NORMA B. TAÑAG ZONE ADMINISTRATOR, CEZ	SEWER LINE ISOMETRIC LAYOUT	P - 8

Section VIII. Bill of Quantities

PHILIPPINE ECONOMIC ZONE AUTHORITY

CAVITE ECONOMIC ZONE

BILL OF QUANTITIES

NAME OF PROJECT : **REHABILITATION OF CEZ POLICE STATION**

LOCATION : **CAVITE ECONOMIC ZONE**

Columns (1), (2), (3) and (4) area to be filled up by the Procuring Entity				Columns (5) and (6) are to be filled up by the Bidder	
Pay Item	**Description**	**Quantity**	**Unit**	**Unit Price (Pesos) in Figure**	**Total Amount (Pesos) in Figure**
-(1)	*-(2)*	*-(3)*	*-(4)*	*-(5)*	*-(6)*
1	**Mobilization/Demobilization**	**1.00**	**l.s.**		
2	**Safety and Health**				
	Construction Safety and Health Program	**1.00**	**l.s.**		
	Warning Signages and Project Billboard	**1.00**	**l.s.**		
3	**Site Preparation**				
	Demolition and Removal of Existing Structures	**1.00**	**l.s.**		
	Cutting of Trees	**1.00**	**l.s.**		
	Hauling of Debris	**1.00**	**l.s.**		
4	**Earthworks**				
	Structural Excavation	**344.41**	**cu.m.**		
	Embankment for Excavation and Compaction	**358.64**	**cu.m.**		
	Embankment from Borrow and Compaction	**14.24**	**cu.m.**		
	Gravel Fill (WF, FTB, SOG) and compaction	**2.82**	**cu.m.**		
5	**Termite Control**	**47.00**	**lits.**		
6	**Concrete Works**				
	Lean Concrete	**7.40**	**cu.m.**		
	Structural Concrete - 4000 PSI	**127.86**	**cu.m.**		
	Structural Concrete - 3000 PSI	**13.13**	**cu.m.**		
	Reinforcing Steel	**21,016.28**	**kgs.**		
	Formworks and Falseworks	**1,103.09**	**sq.m.**		
7	**Masonry Works**				
	Masonry Wall	**684.76**	**sq.m.**		
8	**Roofing Works**				

Submitted by:

Name and Signature of Bidder's Reprentative
Position
Name of Contractor

Columns (1), (2), (3) and (4) area to be filled up by the Procuring Entity				Columns (5) and (6) are to be filled up by the Bidder	
Pay Item	Description	Quantity	Unit	Unit Price (Pesos) in Figure	Total Amount (Pesos) in Figure
-(1)	*-(2)*	*-(3)*	*-(4)*	*-(5)*	*-(6)*
	Pre-Painted Roof Panel	**306.15**	**l.m.**		
	Roofing Accessories (Gutter and Flashing)	**108.52**	**l.m.**		
9	**Steel Works**				
	Steel Trusses, Rafters and Purlins	**4,071.38**	**kgs.**		
	Stainless Steel Railings	**59.44**	**l.m.**		
	Stair Railings	**370.38**	**l.m.**		
10	**Doors and Windows**				
	Doors	**61.97**	**sq.m.**		
	Windows	**56.67**	**sq.m.**		
	Window Blinds	**16.00**	**sets**		
11	**Finishing Wroks**				
	Plain Cement Plaster Finish	**2,050.00**	**sq.m.**		
	Tile Works	**570.45**	**sq.m.**		
	Wall Cladding	**179.70**	**sq.m.**		
	Waterproofing	**113.11**	**sq.m.**		
12	**Carpentry Works**				
	Ceiling Works	**432.47**	**sq.m.**		
13	**Painting Works**				
	Masonry Painting	**1,921.73**	**sq.m.**		
	Ceiling Painting	**380.60**	**sq.m.**		
	Metal/ Steel Painting	**914.34**	**sq.m.**		
14	**Miscellaneous**				
	Fit-out and Furniture	**1.00**	**lot**		
	Stainless Letters	**1.00**	**lot**		
15	**Plumbing and Sanitary Works**				
	Plumbing Fixtures	**1.00**	**lot**		
	Water Line	**1.00**	**lot**		
	Sewer Line	**1.00**	**lot**		
	Downspout/ Storm Drainage	**1.00**	**lot**		
	Catch Basin	**6.00**	**units**		

Submitted by:

Name and Signature of Bidder's Reprentative
Position
Name of Contractor

Columns (1), (2), (3) and (4) area to be filled up by the Procuring Entity				Columns (5) and (6) are to be filled up by the Bidder	
Pay Item	**Description**	**Quantity**	**Unit**	**Unit Price (Pesos) in Figure**	**Total Amount (Pesos) in Figure**
-(1)	*-(2)*	*-(3)*	*-(4)*	*-(5)*	*-(6)*
16	**Mechanical Works**				
	Installation of 3 Unit Inverter Type ACU	**1.00**	**l.s.**		
	Re-installation of Exsiting Floor Mounted ACU	**1.00**	**l.s.**		
	Dismantling and Re-installation od Exisitng 5TR ACU	**1.00**	**l.s.**		
17	**Electronic Works**				
	Fire Detectio Alarm System	**1.00**	**lot**		
	Telephone and CCTV	**1.00**	**l.s.**		
	LAN and Structured Cabling	**1.00**	**l.s.**		
	Dismantling and Re-installain of Command Center Video Wall	**1.00**	**l.s.**		
18	**Electrical Works**				
	Special Ligthing Fixtures	**1.00**	**l.s.**		
	Lighting & Fixtures	**1.00**	**l.s.**		
	Exhaust, Electric Fans & Piping/ Ducting	**1.00**	**l.s.**		
	Conduits, Boxes, Fittings & Wiring Devices	**1.00**	**l.s.**		
	Electrical Wirings	**1.00**	**l.s.**		
	Panel Boards	**1.00**	**l.s.**		
		Total Project Cost (Pesos) in Figure			
(Total Project Cost in Words)					

Submitted by:

Name and Signature of Bidder's Reprentative
Position
Name of Contractor

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or

b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**

☐ (d) a valid Philippine Contractors Accreditation Board (PCAB) License or Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**

☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**

(f) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

(i) The bidder's audited financial statements, showing, among others, the

bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission

Class "B" Documents

☐ (j) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

☐ (k) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (l) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (m) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; **and**

☐ (n) Cash Flow by Quarter.

III. ADDITIONAL DOCUMENTS

a. Signed Specifications / Scope of Works / Terms of Reference

b. Certificate of Site Inspection issued by the CEZ-Engineering & Maintenance Division.

c. At least TWO (2) Certificate of Satisfactory Performance for completed projects issued by different contracting clients indicating that is has not incurred delay or negative slippage in the performance of its contract supported by accomplishment report and Gantt chart. Certificate of Satisfactory Performance issued by at least two (2) of its biggest contracting clients indicating that is has not incurred delay or negative slippage in the performance of its contract supported by accomplishment report and Gantt chart

Section X. Bid Forms

Revised and updated soft copy of GPPB issued forms/template can be downloaded thru the following link:

https://www.gppb.gov.ph/downloadable-forms/#tab-61412

PHILIPPINE ECONOMIC ZONE AUTHORITY

ANNEX A

REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE
Reference No. CEZITB 2024-10-010

List of all Ongoing Government & Private Contracts including contracts awarded but not yet started

Business Name : _____

Business Address : _____

Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidder's Role		a. Date Awarded b. Date Started c. Date of Completion	% of Accomplishment		Value of Outstanding Works/Undelivered Portion
			Description	%		Planned	Actual	
Government								
Private								
						Total Cost		

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Instructions:

1. State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project to be bid;
2. If there is no ongoing contracts including those awarded but not yet started as of the aforementioned perioid, state none or equivalent terms;
3. The total amount of the ongoing and awarded but not yet started contract should be consistent with those used in the Net Financial Contracting Capacity (NFCC).

ANNEX B

PHILIPPINE ECONOMIC ZONE AUTHORITY

REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE
Reference No. CEZITB 2024-10-010

Statement of Single Largest Completed Contract which is similar in nature

Business Name : _____

Business Address : _____

Name of Contract	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		
Government						
Private						

Note: This attachment shall be supported with:

1. NOA / NTP / Contract
2. Certificate of Completion and Acceptance or CPES Rating
3. Official Receipts for Private Contracts

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Instruction:

a) state the single largest completed contract (government or private) within the last five (5) years prior to bid opening.

Statement of Availability of Key Personnel and Equipment

(Date of Issuance)

Ms. Jessica M. Itaas
Chairperson
Bids and Awards Committee (BAC)
PEZA – Cavite Economic Zone
Rosario, Cavite

Dear Sir:

In compliance with the requirements of the **PEZA - Cavite Economic Zone** for the bidding of the project **"Rehabilitation of CEZ Police Station at the Cavite Economic Zone"**, we certify that ***(Name of the Bidder)*** has in its employ key personnel, such as project managers, project engineers, materials engineer and foreman, who may be engaged in the implementation of the said contract.

Further, we likewise certify the availability of equipment that (Name of the Bidder) owns, has under lease, and / or has under purchase agreements, which may be used for the contract.

Very truly yours,

(Name of Representative)
(Position)
(Name of Bidder)

ANNEX D

Philippine Economic Zone Authority – CEZ
REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE
Reference No. CEZITB 2024-10-010

Qualification of Key Personnel Proposed to be Assigned to the Contract

Business Name : _____
Business Address : _____
_____

	Project Manager	Project Engineers	Materials Engineers	Construction Foreperson (Foreman)	Safety Officer
1 Name					
2 Address					
3 Date of Birth					
4 Employed Since					
5 Experience					
6 Previous Employment					
7 Education					
8 PRC License					

Note: Attach individual biodata / resume and PRC License of the (Professional) Personnel

Bidder's Representative : _____
(Printed Name and Signature)
Designation : _____

Date : _____

ANNEX E

Philippine Economic Zone Authority – CEZ
REHABILITATION OF CEZ POLICE STATION AT THE CAVITE ECONOMIC ZONE
Reference No. CEZITB 2024-10-010

List of Equipment Owned / Leased and/or under purchase agreements, assigned to the Proposed Contract

Bidder's Name : _____
Bidder's Address : _____

Description	Model / Year	Capacity / Performance / Size	Plate No.	Motor No. / Body No.	Location	Condition	Proof of Ownership
A. Owned							
1.							
2.							
3.							
B. Leased							
1.							
2.							
3.							
C. Under Purchase Agreement							
1.							
2.							
3.							

Bidder's Representative : _____
(Printed Name and Signature)
Designation : _____

Date : _____

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

   [If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

   [If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

   [If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

   [If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

    a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
    b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
    c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Performance Securing Declaration (Revised)

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]
To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.

2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;

3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:

    a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
        i. Procuring Entity has no claims filed against the contract awardee;
        ii. It has no claims for labor and materials filed against the contractor; and
        iii. Other terms of the contract; or

    b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers],* the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract];*

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;

d. The discounts offered and the methodology for their application are: *[insert information]*;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties],* which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

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[1] currently based on GPPB Resolution No. 09-2020

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity*].*

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz*.:

   a. Philippine Bidding Documents (PBDs);
   - i. Drawings/Plans;
   - ii. Specifications;
   - iii. Bill of Quantities;
   - iv. General and Special Conditions of Contract;
   - v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

   e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature]	*[Insert Name and Signature]*
[Insert Signatory's Legal Capacity]	*[Insert Signatory's Legal Capacity]*
for:	*for:*
[Insert Procuring Entity]	*[Insert Name of Supplier]*

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

Republic of the Philippines
gppb
Government Procurement Policy Board