

INVITATION TO BID

Bid No: 10/2021
Date: 12th June 2021

Summary

IASL is the National Airline of the Republic of Maldives and is wholly owned by the Government of Maldives. In addition to Air Transport Services, IASL offers various other aviation related services such as Air Cargo, Airport Management, Aircraft Engineering, and Ground Handling Services.

IASL is seeking interested parties to submit their Bid for the fabrication of a Storage Warehouse consisting of Bonded Storage at Ground Floor and Office Space on the First Floor deck, on the empty space adjacent to IASL DHC-8 Hangar at Velana International Airport as per the requirement stated in Annexure -1

Island Aviation Services invites sealed bids valid for 90days from the date of opening the bids from Maldivian / International companies, for procuring requirement as per attachment. All bidders are advised to study the Bid Document carefully.

Information for Bidders

Services/Goods Required:

Fabrication of a Storage Warehouse consisting of Bonded Storage at Ground Floor and Office Space on the First Floor deck as per the Annexure-1

Guideline for BID Registration:

Bidders are required to provide expression of interest by mailing the filled EOI Form (Expression of Interest Form, Page No.5 of the RFB) to IASL procurement mail as per below mailing format:

To: procurement.admin@iasl.aero

Cc to: mohamed.ziyau@iasl.aero

Subject: EOI for ENG Bonded Warehouse – (Bid No: 10/2021)

Last date for EOI (Expression of interest) is **20th June 2021, 14:00hrs (local time)**.

An information session and site visit session shall be conducted for all parties that express their interest before the deadline mentioned in the Gazette Announcement. The date and time for the sessions will be disclosed to all parties that express their interest within the mentioned deadline

Information Session will be conducted via video conference and instructions will be given to all parties after the deadline for expression of interest.

Kindly note that attendance for both the sessions is mandatory and Bids will be accepted only from the bidders who express their interest as per above instructions and participate in the mentioned below Proposal submission video conference.

Proposal Submission via Video Conference: (date and time, along with instructions will be disclosed during the information session)

Eligible bidders

The Bidders must submit relevant documents as per below details.

- a. Bidder must be a Business Entity providing such goods and services as attachment.
- b. If the bidder is a Maldivian Firm, they must have its own operational office at Maldives and registered with Maldives Inland Revenue Authority (MIRA) and submit below documents:
 - a. Company Registration Certificate
 - b. GST Registration Certificate
 - c. Audited Financials (2019-2020)
- c. The Application must be submitted in English language. All required information must be provided, responding clearly and concisely to all the points set out. Any application which does not fully and comprehensively address this Request for Proposal may be rejected.

The Application document should comprise of the following:

1. Cover Letter: The cover letter for the proposal must be signed by an authorized person who has the authority to bind the Proposal to a Contract;
2. Company Profile: If vendor is a firm, Profile of the Firm including the firm's shareholding structure and details;
3. Project Cost and Payment Terms: The Project Cost and Payment Terms and arrangements must be quoted in Maldivian Rufiyaa (MVR) inclusive of all taxes. Proposal must remain valid for a period of 120 days after the date of Proposal Submission.
4. Information About Party's Technical and Financial Capacity and Relevant Experience:
 - 4.1. Provide last 2 years' financial statements (audited) to indicate financial strength of the company to execute a project of this nature;

- 4.2. List of past experience in similar projects with letters of completion. If past experiences are not accompanied with an official letter of completion by the client, marks will not be awarded to that section; and
5. Related Party Disclosure (Form A):
 - 5.1. The form serves to justify that the bidder has or does not have any relationship in terms of employment or close family relationship. Close family relationship here refers to spouse, including former spouse relatives, which comprise: siblings; cousins; uncles and aunts; nephews and nieces; lineal ancestors (presumably, it means parents, grandparents and other ancestors of direct lineage) lineal descendants (children, grandchildren and other direct descendants).

Island Aviation holds the right to reject a Proposal in the following circumstances:

1. If less than two bids have been submitted, the IASL has the right to continue or reject the evaluation or request for a resubmission.
2. If any of the documents mentioned above in the documents required is missing from the B the IASL has the right to reject the BID or request for a resubmission

Applications shall be evaluated in accordance with the Party's demonstrated capacity and experience and expertise. The awarding criteria's and weightage will be annexed to this document.

Parties shall bear all costs associated with the preparation and submission of the Application and Island Aviation will not in any case be responsible and liable for the costs incurred.

All information given in writing to or verbally shared with the Party's in connection with this Request for BID is to be treated as strictly confidential. The Party's shall not share or invoke such information to any third party without the prior written approval of IASL. This obligation shall continue after the procurement process has been completed whether or not the Party is successful.

All materials submitted in Response to the Request for Proposal shall become the property of IASL. Proposals and supporting materials will not be returned to the Party.

- d. All information provided will be subjected to verification by IASL. Submission of incomplete or unsigned forms may result in rejection of the bid as non-responsive.
- e. IASL will only accept one bid document from every bidder.
- f. To assist in the evaluation and comparison of bids, IASL may, at its discretion, request any bidder for clarification of its bid. This will be clarified in writing, but no change in substance or price of the bid will be sought.

- g. IASL will evaluate and compare only those bids determined to be responsive in accordance with requirements specified in the bidding document.
- h. IASL will award the contract in writing to the bidder who scores the highest marks in compliance with the criteria decided by the Bid Evaluation Committee.
- i. Upon furnishing by the successful bidder, IASL will promptly notify the other bidders through telephone or email that their bids have been unsuccessful.

Evaluation Criteria:

- j. IASL intends to apply the following criteria for the selection of bids. The Bid will be evaluated by the Bid Evaluation Committee of IASL. Points will be given to proposals according to the evaluation criteria below.

Price Offered	50 %
Strength/Reliability	20 %
Relevant Past Experience	10 %
Delivery	20 %

NOTE:

- 1. Letters from clients stating the successful execution of similar tasks or evidence of similar projects completed is required to attain marks for the “Past Experience” category.
- 2. Marks will be awarded under criteria for Strength/Reliability considering the submitted audited financials for the latest two years.

COMPANY INFORMATION FORM (EOI)	
Business Name	
Correspondence Address	
Registered Address	
Date of Incorporation	
Name of Representative	
Designation of Representative	
Contact No.	
Email Address	

RELATED PARTY DISCLOSURE (FORM A)

Island Aviation Services Limited
M. Dar Al-Eiman Building,
Majeedhee Magu,
Male' 20345,
Republic of Maldives

[Date]

Dear Sir/ Madam,

Project: RFB to

Subject: Related Party Disclosure

With the exception of the below specified, I hereby declare that, we, the party is in no way, shape or form related to Island Aviation; created either through an employer-employee agency relationship between employees or directors of Island Aviation or by way of ownership of Island Aviation.

Name of the Related Party	Designation of the Related Party	Relationship

Yours sincerely,

[Name of signatory]

[Title]

Annexure -1

SCOPE OF WORK

FOR

**CONSTRUCTION OF WAREHOUSE FOR IASL ENGINEERING BONDED
STORE AT VELANA INTERNATIONAL AIRPORT**

June 2021

Approved by:



Ismail Agleem / Manager Projects & Maintenance

Content

- a. Background and Purposes
- b. General
- c. Procedurals & Instructions
- d. BOQ

a. BACKGROUND AND PURPOSE

1.1 Island Aviation Service Ltd. has a requirement to construct bonded store warehouse for engineering department at Velana International Airport

b. GENERAL

- 1.1 The Contractor shall provide personnel, material, equipment, and supervision to complete the technical requirements in this scope of work. The contractor shall be responsible for hiring labor, equipment vendors and shall follow safety and security directives.
- 1.2 The Contractor shall not to be admitted to areas of the property outside the areas designated for the project except with permission. The Contractor shall address the impact of the consequent disruption caused by the proposed work.
- 1.3 The Contractor shall always clear the work site upon completion of work and remove any excess material immediately from the site and maintain cleanliness.
- 1.4 Required measurements shall be taken during the Site visit.
- 1.5 All finishing materials shall be approved by employer prior installation.
- 1.6 Nor variations will be accepted without approval from the employer and any alteration made without approval shall be rectified without any cost.

c. PROCEDURALS & INSTRUCTIONS

CONSTRUCTION OF WAREHOUSE FOR IASL ENGINEERING BONDED STORE AT VELANA INTERNATIONAL AIRPORT

June 2021



Section 1 - Scope of Works

The contractor shall carry out the following works

- Site Management
- Site Preparation
- Clean-up
- Ground works
- Concrete Works
- Masonry
- Steel Structure fabrication
- Wall cladding and roofing
- Plumbing
- Electrical wiring & network wiring
- Doors and Windows and metal gate fabrications and installation
- Air conditioning

The contract comprises the provision of labor, materials, tools, transportation, instrumentation and all things necessary to construct the permanent works in accordance with the contract drawings and to the quality standards set in the contract specifications, inclusive of material and performance tests where these are specified.

The Contractor shall submit in the tender that the method of working, equipment and program which are compatible with constructions aligned with the technical specifications mentioned in this scope. The reliance being placed upon the Contractor shall be deemed to be in respect of the Contractor's skill, care and diligence as an experienced contractor executing workmanship and not in respect of any design expertise the Contractor may possess.

The following points shall also be taken into consideration by the contractor

1. All foreign employees must possess valid work permit. And shall obtain security clearance by Aviation Security Command.
2. All employees of the contractor shall wear a uniform outfit or at least safety vest visible with contractor's label to ensure authorized access for the safety of both employer and the contractor.
3. All material to be used shall be presented before commencement and nor substitution will be allowed prior approval.
4. All wiring and electrical fittings shall comply latest British Standards.
5. Comprehensive work schedule with daily tasks including timing which will be carried on a sequence that does not interrupt daily operation shall be presented prior commencement to circulate through airport operational authorities.

6. If the quality workmanship is below the acceptable standard, the contractor shall rectify the situation to the satisfaction of the employer at his own expense
7. Electricity and water required for the project will be supplied by the employer.
8. It is contractors' responsibility to obtain all the permits required (from regulatory authorities' service providers etc.) for construction.
9. Toilets at passenger terminal will not be allowed for contractor's employees.
10. Any damage to adjacent wall/partition/panels or wirings and installation at terminal shall be rectified on contractors' cost. Any contingencies shall be taken in to consideration during construction.
11. As build drawing of partition and wiring shall be submitted upon completion of said work
12. The metric system of units shall be used throughout.

Section 2 - General Requirements

2.0 General Requirements

2.1. General

The Conditions of Contract, Bill of Quantities and the Detailed Drawings shall be read in conjunction with the Specifications Matters referred to, shown or described in any one of these documents are not necessarily repeated in others. Notwithstanding the subdivision of the specifications in various headings, every part is to be deemed supplementary to every other part and various parts are to be read with each other, so far as it may be practical to do so or when the context so warrants.

2.2. Standards and Workmanship

In various places throughout this specification and the Bills of Quantities reference is made to the Standards if applicable. If any standard is mentioned in any product/material, such shall be approved prior commencement of procuring process. Any product/material, which standard or specification is mentioned and not available in the market, such shall be submitted to the employer for approval.

2.3. Drawings and Specifications

Drawings: Drawings and Specifications are intended to complement each other, so that if anything is shown on the Drawings, but not mentioned in the specifications or vice versa, it is to be furnished and built as though specifically set forth in all three. If any discrepancies, errors, ambiguities or omissions occur in the Drawings or Specifications, the same shall be referred to the Employer before proceeding with the Works, and the Employers representative decision on such discrepancies, errors, ambiguities or omissions shall be final in writing.

Specifications: In addition to the Drawings, BOQ and Specifications attached hereto, the Employer will during the progress of the Works furnish additional Drawings, Specifications, and instructions as may be necessary, in the opinion of the Employer, for the purpose of the proper and adequate execution and maintenance of the Works, and the Contractor shall make his work conform to these. Such drawings and instructions shall be deemed to be part of the Contract Documents.

2.4. Transportation to the Site

The Contractor shall provide all necessary transport, handling and storage of all materials, components and the like to their points of installation on site including transport to and from storage. The Contractor shall provide all necessary transport of labour to and from the site. The contractor shall use routes specified by the island authorities for transporting heavy and oversized goods to the site.

2.5. Schedule and Execution Plan

The Contractor shall prepare and submit to the Employer for approval the construction schedule and an execution plan of temporary facilities, stock yards, etc., before the start of the Works.

2.6. Repairing and Correction

Any breakage(s) or defect(s) of existing buildings, roads utilities, or part(s) of them caused by the Works including transportation for the works shall be repaired or corrected by the Contractor with his responsibility.

2.7. Materials, Goods and Workmanship

Materials, goods and workmanship shall be of the best quality of their respective kinds and, as far as applicable, shall comply in every respect with the requirements of the quoted Standards, Codes of Practice and Specifications or any other National Standard approved by the Employer. Preambles and descriptions of materials, goods and workmanship given in any one section of the specifications shall apply throughout the whole of these specifications unless otherwise described. The substitution of materials, goods, workmanship and the like from that specified shall only be permitted with the written approval of the Consultant.

All workmanship shall be of the best standard. All goods and materials to be incorporated in the Works must be new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract.

2.8. Samples

The Contractor shall furnish for approval with reasonable promptness, all samples as directed by the Employer. The Employer shall check and approve such samples with reasonable promptness only for conformance with the design concept of the Works and for compliance with the information given in Contract Documents. The work shall be in accordance with the approved samples.

All samples shall be delivered to the Employer with all charges in connection therewith paid by the Contractor and deemed to be included in the contract price.

Duplicate final approved samples, in addition to any required for the Contractor's use, shall be furnished to the Employer, one for office use and one for the Site.

Samples shall be furnished so as not to delay fabrication, allowing the Employer reasonable time for consideration of sample submitted.

Each sample shall be properly labelled with the name and quality of the material, name of the project, the Contractor's name and date of submission, and the specification article number to which the sample refers.

2.9. Ordering Materials

The Bills of Quantities shall not be used as a basis for ordering materials and the Contractor is entirely responsible for assessing the quantities of materials to be ordered. Upon receipt of the Employer's order to commence the Works, the Contractor shall immediately place orders for all required materials and will be held responsible for any delays occurring due to the late placing of such orders. Prior to finalizing material orders, the Contractor shall advise the Employer and await the Employer's written approval to complete the same. The Contractor shall pay all expenses, taxes and dues etc. incurred on the procurement of materials from abroad.

2.10. Protection

The Contractor shall have the Works and adjoining properties protected from inclement weather. Any loss or damage caused by weather, carelessness or lack of skill of workers, accident or otherwise shall be of such property that is affected. The Contractor shall provide all necessary dust sheets, barriers and guard rails and clear away at completion.

The work shall be suspended for such time as may be directed and/or approve by the Consultant if the specified quality of work is difficult to maintain during inclement weather.

2.11. Cutting and Patching

The Contractor shall be responsible for all cutting and patching and making good required for all trades for all work and his prices will be deemed to include for all such cutting and patching and making good.

2.12. Electricity for the Works

The Contractor shall make all necessary arrangements and provide all artificial lighting and power (maintaining a generator if necessary) for the proper execution and security of the Works and its protection, with all meters, temporary wiring and fittings, pay all charges and alter adapt and maintain the temporary work as necessary and remove and make good at completion.

2.13. Working Platform

Any temporary platforms shall be secured and safe and shall be covered with safety nets where necessary to avoid falling objects. Temporary platforms shall not be moved without proper footing and sliding equipment's and shall avoid any scratches at the floor and sidewalls or any damage to the surrounding.

2.14. Interference with Access to Properties and Apparatus

Before interfering with access to any property, the Contractor shall make adequate alternative arrangements for the occupiers.

The Contractor shall not obstruct access to any apparatus or utilities of any service or utility.

2.15. Procedure for Complaints and Damage Claims

Details of complaints received by the Contractor as a result of work he is carrying out shall be passed to the Employer without delay. The Employer shall likewise pass to the Contractor details of complaints, which may be submitted directly to him.

A similar exchange of information shall be made in relation to all claims and intended claims, which may be received.

2.16. Protection against Damage

The Contractor shall avoid causing unwarranted damage to streets, pathways, land, property, trees and other features. He shall deal promptly with any complaints from owners or occupiers.

The Contractor shall avoid damage to apparatus or utilities of other undertakers, and shall temporarily support or work around any such apparatus, which crosses or runs alongside his works. In the event of damage, the Contractor shall notify the Employer and the Undertaker.

2.17. Apparatus of Statutory Undertakers

The Contractor shall liaise with all relevant statutory Undertakers before commencing any demolition, and shall satisfy himself of the exact position of existing apparatus, which may be affected by the works.

The Contractor shall notify the Employer in advance of any diversion or removal of apparatus or utilities required for his own convenience or proposed method of working and shall comply with any requirements of the Employer with respect to them.

2.18. Work Standard

Works should be carried out according to professional standard acceptable to Employer. The contractor shall reimburse Employer the cost of material lost or damaged due to faulty installation within the warranty period mentioned in the contract.

Risk management is the identification, measurement and economic control of risks. A qualitative assessment of risk is essential in order to gain an appreciation of the relative importance of the various issues and to determine a risk management strategy during the demolition and construction.

2.19. Tidiness of the Site

The Contractor shall be responsible for the proper up keeping and maintenance of the site and the works and shall remove from the site rubbish and other waste as it accumulates. Materials and equipment shall be positioned, stored and stacked in an orderly manner.

2.20. Care of Works

The Contractor shall take all necessary and reasonable precautions to protect the existing utilities, properties, and structures etc. in which his is carrying out his activities and make good, at his own cost, any loss or damage that he might cause.

2.21. Security

The contractor shall ensure that the site is secure during the period of work and shall be liable for any loss or damage sustained as a result of their failure to comply with this condition.

Where the works are in close proximity to passenger movement, walls or other existing structures, the contractor shall take adequate measures to prevent any damage. In addition, before commencing work the Contractor shall submit details in writing of his proposed method of carrying out these measures and shall not commence operations until these are approved in writing.

2.22. As-Built Drawings / Detail Drawings

The Contractor should note that the Drawings and Quantities in the Tender Documents, whilst detailed, have to be considered as preliminary, and only provide an indication of the locations, layouts and scope of works. The contractor should produce all the relevant as built drawings including the profiles. The locations, layout and scope of works may be altered and in such cases the Contractor shall not be entitled to any claim whatsoever for such alterations over and above the measured works or measured variations at the tendered rates except in accordance with the provisions of relevant Clauses of the Conditions of Contract.

Subject to the above limitation, design detail will be provided by the employer in advance of the Contractor's intended commencement of construction as indicated in his approved construction programme or as otherwise agreed with the employer.

Should any Contractor's proposals for the any specialised items differ in entirely or substantially from that of the employers or should it affect another component of the element or item of work beyond permissible variations from it, then the Contractor shall, at his own cost, be responsible for redesign to provide a complete acceptable system before approval of any part thereof. For such works, the Contractor shall furnish, at his own expense, the employer with copies of all design calculation, sketches, working drawings and similar information in as much detail as the employer may reasonably require for his full information and subsequent approval.

Such approval of the Contractor's design shall not relieve the Contractor from any of his duties, responsibilities or obligations under the Contract.

The above work to be undertaken by the Contractor or his approved subcontractor shall be in accordance with current practice generally using accepted design techniques as specified in the relevant Tender Document all to the approval of the Employer.

Contractor shall prepare the working drawings/shop drawings and documents, including diagrams and schedules shall show the details of proposals for the execution of the works and shall include everything necessary for the following purposes:

- To illustrate in detail the arrangement of the various section of the works and to identify the various components.
- To integrate the various sections of the works.

Working drawings and documents shall be made available sufficiently early so that the Employer gets sufficient time to check and correct them.

The Contractor shall liaise with the employer for the period required for any approval, which shall be a maximum of two weeks. Delay in obtaining approval of working drawings shall not be a reason for requesting extension of time.

The Contractor shall ensure that all items to be ordered by him can be accommodated in the positions shown on the drawings and for taking all necessary dimensions on site together with any supporting information which may be necessary for preparing working drawings.

Materials or equipment shall not be ordered nor the construction of the associated works be commenced until such approval has been obtained from the Employer.

The Contractor shall be deemed to have obtained a full and proper understanding of the Employer's design and design intents and to have satisfied himself with their accuracy and suitability. In this respect, the Employer will meet all reasonable requests made by the Contractor in furnishing design information and other information to the Contractor. No claim in respect of lack of knowledge will be admissible.

2.23. Sample

The Contractor shall submit samples of all necessary required materials and goods for inclusion in the works to the Engineer and only those approved by the Engineer and to the standards specified elsewhere in the Contract may be ordered for supply. Samples shall be submitted promptly in order not to delay the works.

All work executed shall be of equal standard in all respects to the approved samples and the employer may reject any work which, in his opinion, does not comply with the approved samples.

2.24. Site Safety

2.28.1 Safety on Site

The Contractor shall ensure that the works are carried out in a safe manner to a accepted guidelines on safe working procedures and to the satisfaction of the Employer.

The following requirements shall be complied with by the Contractor:

- (a) Scaffolding - Suitable and sufficient scaffolds shall be provided and properly maintained for all work that cannot safely be carried out from the ground or from part of the structure or from a ladder.

Every scaffold shall be of good construction, of suitable and sound material and of adequate strength for the purpose for which it is used. Unless designed as an independent structure, every scaffold shall be rigidly connected to a part of the structure which is of sufficient strength to afford safe support. Protective headgear shall always be worn.

(b) Correct fencing-off of the site and all appropriate security measures. This should be specified under contractor work methodology.

The safety equipment which shall be made available shall include but not limited to:

- Lifting harness with ropes.
- Protective head gear.
- First Aid Box
- Fire Extinguishers.
- Safety sign boards

2.28.2 Traffic Management

Before commencement, contractor shall specify dates which movements of vehicle for removal of debris/construction waste and movement of material to Terminal which may require to utilize main entrance and pathway.

2.25. As Built Records

Upon completion of work as in the stages of the Programme of Works, at the direction of the Engineer, the Contractor shall prepare detailed drawings and other records, as required, of the works executed. The Contractor is required to submit the soft copy as well as three hard copies of the as built records to the scale advised by the employer.

Additional Note:

- The Storage Warehouse shall cover an area of 3,632 SQFT as given the in the layout provided under this Annex. The warehouse consists of a bonded store at the ground floor and a deck measuring 660 SQFT on the first floor. The deck will be used as an office space.

Since there are regulatory storage requirements for the materials that will be stored in this warehouse, the facility shall be properly insulated to ensure that the temperature and humidity is maintained below 22 °C and about 75% respectively. The

facility shall also be well lit to ensure adequate lighting is available at all areas of the warehouse.

- At the time of agreement signing, Performance Guarantee of 10% of the total contract amount will be required in the form of a bank guarantee issued or endorsed by a bank acceptable to the client.
- Retention amount of 10% will be retained from the payment until the defect period of 1 year is complete.

d. BOQ

CONSTRUCTION OF WAREHOUSE FOR IASL ENGINEERING BONDED STORE AT VELANA INTERNATIONAL AIRPORT

June

BILL OF QUANTITIES

PROJECT: IASL ENGINEERING BONDED STORE
CONSTRUCTION OF WAREHOUSE
CLIENT:

MAY -2021

PROJECT: IASL ENGINEERING BONDED STORE
CONSTRUCTION OF WAREHOUSE
SUMMARY OF BILLS OF QUANTITIES

SL.NO	BILL NAME	AMOUNT (MVR)
1)	TOTAL OF BILL NO. 01 (PRELIMINARIES)	-
2)	TOTAL OF BILL NO. 02 (GROUND WORKS)	-
3)	TOTAL OF BILL NO. 03 (CONCRETE WORKS)	-
4)	TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING)	-
5)	TOTAL OF BILL NO. 05 (METAL WORKS)	-
6)	TOTAL OF BILL NO. 06 COVERING & ROOFING)	-
7)	TOTAL OF BILL NO. 07 (CEILINGS)	-
8)	TOTAL OF BILL NO. 08 (DOORS AND WINDOWS)	-
9)	TOTAL OF BILL NO. 9 (PAINTING)	-
10)	TOTAL OF BILL NO. 10 (ELECTRICAL INSTALLATIONS)	-
11)	TOTAL OF BILL NO. 11 (ADDITIONS)	-
12)	TOTAL OF BILL NO. 12 (OMISSIONS)	-
GRAND TOTAL		-

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
	Bill No: 01 <u>PRELIMINARIES</u>					
1.1	<u>General Notes</u>					
1)	<u>Abbreviations</u> m - meter Nos - numbers m3 - cubic meter m2 - square meter Lm - Linear meter t - tonnes incl - including mm - millimeter dia - diameter SS - Stainless Steel GI - Galvanised Iron					
1.2	<u>Site Management Costs</u>					
1)	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings and similar.		1.00	item		-
1.3	<u>Sign Board</u>					
1)	Allow for sign board		1.00	no		-
1.4	<u>Clean - up</u>					
1)	Allow for clean - up of completed works and site upon completion.		1.00	item		-
TOTAL OF BILL NO. 01 (PRELIMINARIES) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-
	Bill No: 02 <u>GROUND WORKS</u>					
2.1	<u>GENERAL</u> (a) Rates shall include for: leveling, grading, trimming, compacting to faces of excavation, keep sides plumb, backfilling, consolidating and disposing surplus soil.					
			1.00	item		-
2.2	<u>SITE CLEARING</u>					

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
	Clear the area of site from rubbish and vegetable matters, stumps, roots. Demolition NOT included		1.00	Item		-
2.3	<u>EXCAVATION</u> Excavation quantities are measured to the faces of concrete members. Rates shall include for all additional excavation required to place the formwork, back fill, shoring and others					
1)	Excavation for foundation		14.40	m ³		-
2.4	<u>GROUND LEVELING</u> (a) Rates shall include for: levelling, grading, trimming, compacting and similar. (b) Ground need to be compacted to the required density by the consultant.					
			338.52	m ²		-
2.5	<u>DAMP PROOF MEMBRANE</u> (a) Rates shall include for: dressing around and sealing to all penetrations, laps and turnups					
			1.00	item		-
2.6	<u>WATER PROOFING</u> Rate shall include for: dressing around and sealing to all penetrations					
1)	Apply bituminous type waterproofing to all surfaces of concrete below ground level in accordance with the specifications and manufacturer's instructions		1.00	item		-
TOTAL OF BILL NO. 02 (GROUND WORKS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-
	Bill No: 03 <u>CONCRETE WORKS</u> General					

SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	a) Rate shall include for: placing in position; making good after removal of formwork and casting in all required items; additional concrete required to conform to structural and excavated tolerances. b) Mix ratio for reinforced concrete shall be 1:2:3				
3.1	Lean Concrete 50mm thick lean concrete under foundation with a mix of 1:2:5	1.20	m ³		-
3.2	Reinforced Concrete In-situ reinforced concrete to: *Add water proofing compound / admixture to concrete mix for walls GL and Roof Slabs	1.00	item		-
3.3	Formwork a) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes, removal of formwork and normal practices used.	1.00	item		-
3.4	Reinforcement a) Rates shall include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wire and chair supports, laps, and wastages.				-
3.5	Foundation				
1)	RC foundation pads,	7.20	m ³		-
2)	Tie beams	13.41	m ³		-
3.6	Flooring				
1)	75mm Concrete Flooring with a mix 1:3:2 with wire mesh reinforcement	25.39	m ³		-
2)	50mm Flooring Between two buildings (mix 1:5)	2.55	m ³		-

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
3)	Floor re-enforcement using 25mmx25mm wire mesh		338.52	m ²		-
4)	Allow lumpsum grind/patch uneven gravels		1.00	nos		
5)	Floor painting using 2 part epoxy for concrete concrete		363.91	m ²		-
3.7	WATER PROOFING Rate shall include for: dressing arround and sealing to all penetrations					
1)	Water Proofing for roof slab		1.00	Item		-
2)	Water Proofing for foundation		1.00	Item		-
TOTAL OF BILL NO. 03 (CONCRETE WORKS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-
4.1	Bill No: 04 MASONRY AND PLASTERING General a) Rates shall include for: cleaning out cavities, forming rebated reveals and pointing and cleaning down to reveals where necessary; fractional size blocks, all necessary machine cutting, cutting or forming chases or edges of floor slabs, cutting or leaving holes and openings as recesses for and building in pipes, conduits, sleeves and similar as required for all trades;					
4.2	Cement block work					
4.2.1	300x150x100mm hollow blocks, laid on and incl. 1:5 Cement Mortor. <u>All External walls</u>					
1)	Ground Floor boundary		44.00	m ²		-
4.3	Plastering					
4.3.1	a) 25mm cement plastering on external walls and concrete surfaces with 1:5 Cement mortor mix as specified incl.					-

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
1)	Ground Floor		88.00	m ²		-
4.4	Insulation & Protection					
1)	Allow lumpsum to apply bitumen compound at all contact points with steel		1.00	nos		-
TOTAL OF BILL NO. 04 (MASONRY AND PLASTERING) (CARRIED OVER TO THE GENERAL SUMMARY)						-
5.1	Bill No: 05 METAL WORKS General a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts incl. those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. b) Rates shall include for fabrication and erection and c) Rates Shall include temporary supports d) Rates shall include applying red oxide/metal e) Rates shall include capping all exposed ends					
5.2	Steel Columns GI HSS 100x50mm		198.00	LM		-
5.3	Column Horizontal support GI HSS 100x50mm		243.26	LM		-
5.4	16mm Structural brace rods 16mm		327.50	LM		-
5.5	Staircase/ Balcony railings		1.00	Nos		-
5.6	Deck Truss T1 GI HSS 100x50mm GI HSS 50x50mm	27.0LM 70.0LM	4.00			-
5.7	Deck Truss T2 GI HSS 100x50mm GI HSS 50x50mm	39.38LM 74.584LM	6.00	Item		-
5.8	Deck Truss T3 GI HSS 100x50mm GI HSS 50x50mm	9.6LM 108.70LM	12.00	Nos		-
5.9	Roof Truss GI HSS 100x50mm GI HSS 50x50mm GI HSS 50x25mm	270.60LM 73.007LM 130.10LM	8.00			-
5.10.	Roof rafter support GI HSS 100x50mm		205.04	LM		-

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
5.11	Roof Rafters GI HSS 50x25mm		408.94	LM		-
5.12	Exterior housing frame 25x50mm		209.28	LM		-
5.13	Metal Gate 1	11.304m ²	1.00	nos		-
TOTAL OF BILL NO. 05 (METAL WORKS) (CARRIED OVER TO THE GENERAL SUMMARY)						-
Bill No: 06						
<u>WALLS, CLADDING & ROOFING</u>						
6.1	General a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.					
6.2	Walls 75mm thick EPS Cement Sandwich Panel L:2440, W:610, Board Thickness:75mm) (face Calcium Silicate)					
1)	Wall Finishes with Putty and paint at Offices only	354nos	482.52	m ²		-
2)			108.50	m ²		-
6.3	Roof Coverings MSP-SEADEK Zincalume roofing sheets W0.74m		480.33	LM		-
1)	Zincalume Gutter		29.00	LM		-
2)	Down Pipes /down spots	24.80LM	4.00	Nos		-
3)	Fastner Hex screw (AUTOTEKS) hex head		850.00	nos		-
4)						
6.4	Wall Coverings MSP-SEADEK Zincalume roofing sheets W0.74m		468.05	LM		-
1)	Zincalume Falshing (End Cap)		204.78	LM		-
2)	Fastner Hex screw (AUTOTEKS) hex head		200.00	nos		-
3)						
6.5	Roof Thermal Insulation Glass Wool	368 SQM	24.00	Rolls		-
1)	Wire Mesh	368 SQM	24.00	Rolls		-
2)						

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
6.6	Allow Lumpsum for Silicon/Sealant/adhesives		1.00	item		-
TOTAL OF BILL NO. 06 COVERING & ROOFING) (CARRIED OVER TO THE GENERAL SUMMARY)						-
7.1	Bill No: 07 CEILING & FLOORING General a) Rates shall include for: all labour in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws.					
7.2	Fiber Board Ceiling					
1)	First Floor		72.00	m ²		-
7.3	Flooring					
1)	18mm Plywood at First Floor Deck (Malaysian Plywood)	26nos	72.00	m ²		-
2)	Vinyl Flooring at Deck (Minimum Thickness: 2.5mm)		72.00	m ²		-
TOTAL OF BILL NO. 07 (CEILINGS) (CARRIED OVER TO THE GENERAL SUMMARY)						-
8.1	Bill No: 08 DOORS AND WINDOWS General a) Rates shall include for: locks, latches, closers, push plates, pull handles, bolts, kick plates, hinges and all door & window hardware. b) All Aluminum sections shall be as per the drawings and client's approval c) All glazing shall be 6mm clear glass d) All clading sheets shall be 6mm Thick					
8.2	Door & Window units					
1)	Door D1		2.00	Nos		-
	Window W1		1.00	Nos		-
	Sliding Window W3		1.00	Nos		-

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
TOTAL OF BILL NO. 08 (DOORS AND WINDOWS) (CARRIED OVER TO THE GENERAL SUMMARY)						-
10.1	Bill No: 9 PAINTING General a) Rates shall include for: the provision, erection and removal of scaffolding, preparation, rubbing down between coats and similar work, the protection and / or making floors, fittings and similar work, removing and replacing door and window furniture b) All painting work shall be carried in accordance with the specifications. Nippon Weather bond for External Walls and Nippon super vinilex for internal					
10.2	Walls Weather proof emulsion paint system on plastered and concrete surfaces of external and normal interior emulsion paint on internal walls. <u>External painting 1 coat of wall sealer, & 2 coats of paints</u>					
1)	Ground Floor		50.00	m ²		-
	<u>Internal Painting 1 coat of wall sealer & 2 coats of paints</u>					
1)	Ground Floor		180.00	m ²		-
2)	First Floor		43.50	m ²		-
TOTAL OF BILL NO. 9 (PAINTING) (CARRIED OVER TO THE GENERAL SUMMARY)						-
12.1	Bill No: 10 ELECTRICAL INSTALLATIONS General					

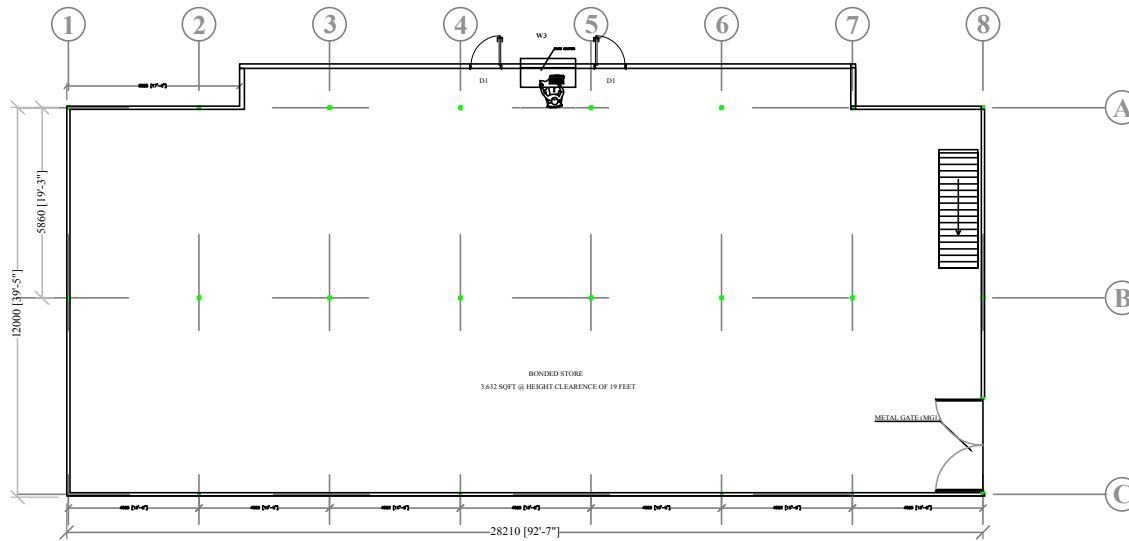
SL.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories.</p> <p>b) Rate shall include for electrical conduits, fittings, equipment and similar all fixings</p> <p>c) Each light / light fixture and its switches shall measure as one one point: similarly each sockets or each fans shall measured as one point.</p> <p>d) Rate shall include for supply and complete installation of all floors.</p> <p>e) Provide junction box for bends, joints and connections.</p>				
12.2	<p>Main Connection Allow for three phase main connection from MACL board to Meter Board</p>	1.00	item		-
12.3	<p>Electrical boards Complete installation incl. for all connection earthing, painting, testing and similar of;</p>				
1)	Meter Board	1.00	nos		-
2)	Distribution boards	2.00	nos		-
12.4	<p>Electrical wiring Electrical wiring with copper conductor cable in conduits in walls and slab as specified to</p>				
1)	1.5mm ² Wiring to light fixtures, fans and its switches	27.00	points		-
2)	2.5mm ² Wiring to Highbay lights	9.00	points		-
3)	2.5mm ² Wiring to outdoor flood lights	6.00	points		-
4)	2.5 mm ² Wiring to Socket Switches	9.00	points		-
12.5	<p>Lighting Wall mount Flood light</p>				
1)	100W IP66 - Temp6000K	6.00	nos		-
2)	High Bay LED light 150W - Temp6000K	9.00	nos		-
4)	LED 600x600mm Panel light 36W - Temp 6000K	18.00	nos		-
12.7	<p>Socket outlets</p>				

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
	All sockets shall be "Clipsal" or equivalent					
2)	13 Amps Socket Switch double		8.00	nos		-
3)	15 Amp sockets for AC		16.00	nos		-
12.7	Network points					
1)	Ethernet CAT 6 Cable <i>All network points shall be of minimum length of 1.2m from execution point and 1.5m at terminating end.</i>		26.00	points		-
2)	Ethernet cable for CCTV		6.00	points		-
3)	Cat 6 cable for Access door control system		3.00	points		-
12.8	Light Switches					
	All switches shall be "Clipsal" or equivalent					
1)	One Way switches <i>No. of Switch Gang can be determined by light arrangement</i>		19.00	nos		-
12.8	Air Conditioners <u>(MEDIA/AUX/BLUE STAR)</u>					
	Minimum 13 tons VRF Inverter System		1.00	Nos		-
1)	Wall mount units		10.00	nos		-
12.9	Fire Alarm					
	Fire alarm system		1.00	nos		-
1)	Fire alarm control panel including all cabling and connections etc		1.00	Item		-
	Manual call points		1.00	nos		-
	Fire alarm bell		1.00	nos		-
TOTAL OF BILL NO. 10 (ELECTRICAL INSTALLATIONS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-
Bill No: 01	Bill No: 11					
Bill No: 02	ADDITIONS					
Bill No: 03						
Bill No: 04						
Bill No: 05						
Bill No: 06						
Bill No: 07						
Bill No: 08						
Bill No: 09						
Bill No: 10						

SL.NO	DESCRIPTION		QTY	UNIT	RATE	AMOUNT
TOTAL OF BILL NO. 11 (ADDITIONS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-
Bill No: 01 Bill No: 02 Bill No: 03 Bill No: 04 Bill No: 05 Bill No: 06 Bill No: 07 Bill No: 08 Bill No: 09 Bill No: 10	Bill No: 12 OMISSIONS					
TOTAL OF BILL NO. 12 (OMISSIONS) <i>(CARRIED OVER TO THE GENERAL SUMMARY)</i>						-

**ISLAND AVIATION SERVICES LTD.
ENGINEERING HANGAR BONDED STORE WAREHOUSE BUILDING**

ENGINEERING STORES WAREHOUSE



GROUND FLOOR UTILIZATION LAYOUT

General Notes

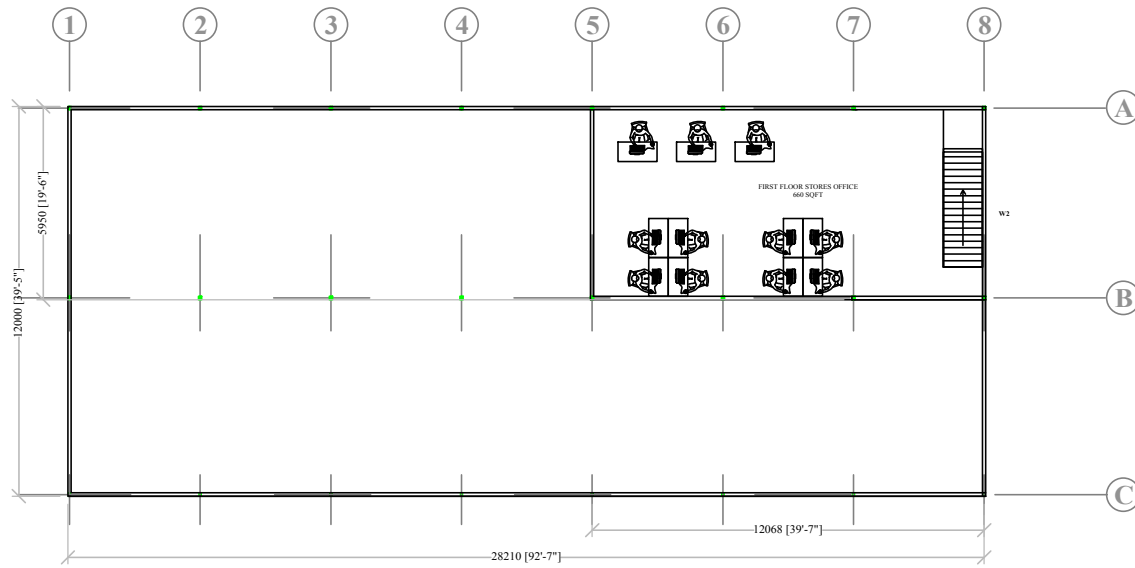
No.	Revision/Issue	Date

File Name and Address

Project Name and Address
 REV May21
 Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project: IASL ENG BS	Sheet: 01
Date: May 2021	
Scale: NA	

ENGINEERING STORES WAREHOUSE



FIRST FLOOR UTILIZATION LAYOUT

General Notes

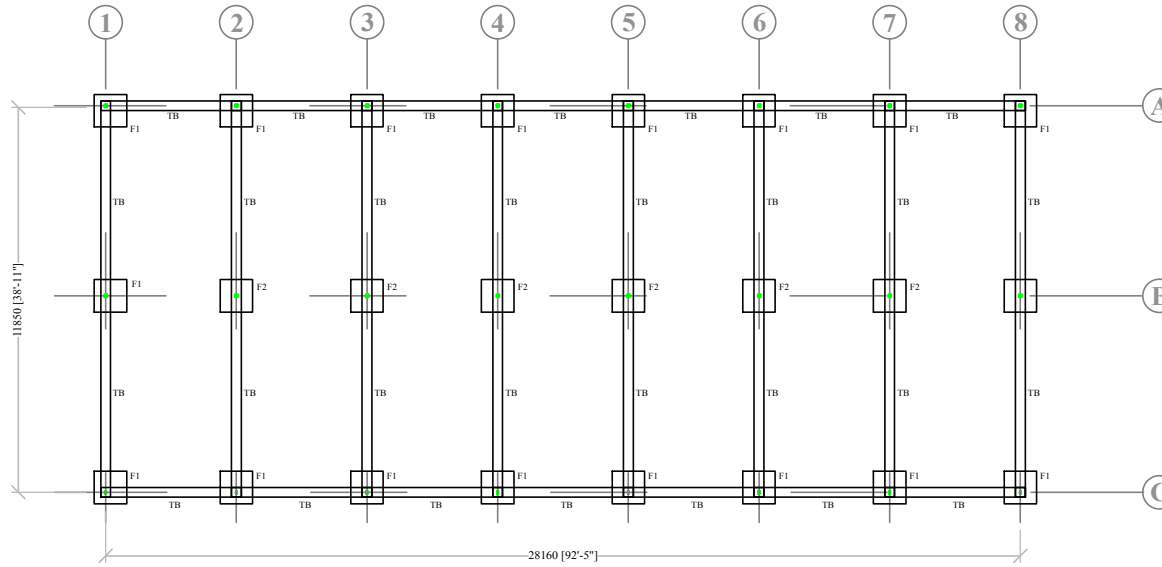
No.	Revision/Issue	Date

File Name and Address

Project Name and Address
 REV May21
 Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project IASL ENG BS	Sheet 02
Date May 2021	
Scale NA	

ENGINEERING STORES WAREHOUSE



FOUNDATION PLAN

Notes :-

- | | |
|--|--|
| <p>01. Soil condition assumed to be normal and bearing capacity is 225 kN/m²</p> <p>02. Do not scale this set of drawings for dimensions.</p> <p>03. Standard bar notation :
 Eg : Y 12 - 150 B1
 Y - refers to bar type (Y - Tor steel / R - Plain steel),
 12 refers to bar diameter in mm,
 150 refers to bar spacing in mm
 B - refers to placement of bars in the concrete section
 (B = Bottom & T = Top of the concrete section)</p> <p>04. All foundation concrete should be 1 : 2 : 3 ratio</p> <p>05. 50mm tk Lean concrete should be 1 : 2 : 5 ratio</p> | <p>06. Tor steel - Type 11 deformed bars having $F_y = 460 \text{ N/mm}^2$</p> <p>07. Mild Steel Plain bars - $F_y = 250 \text{ N/mm}^2$</p> <p>08. Clear cover to reinforcement : Column Base - 50mm,
 Column Shaft - 40 mm,
 Plinth Beam - 40 mm</p> <p>09. Lap length to reinforcement shall be $58 \times \text{Bar diameter}$</p> <p>10. F.F.L - Finished Floor Level
 E.G.L - Existing Ground Level</p> |
|--|--|

General Notes

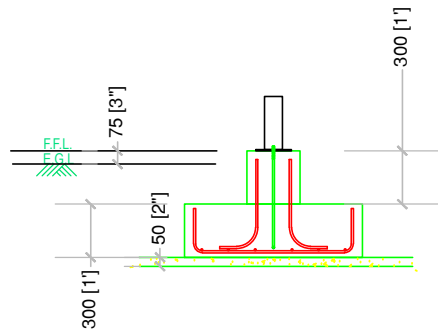
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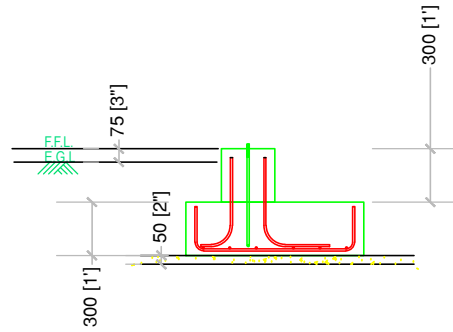
Project Name and Address

**Engineering Bonded Store
 Warehouse at WA
 Jan 2020**

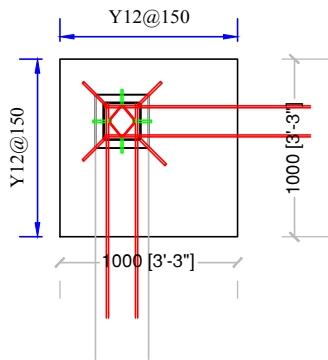
Project IASL ENG BS	Sheet 03
Date Jan 2020	
State NA	



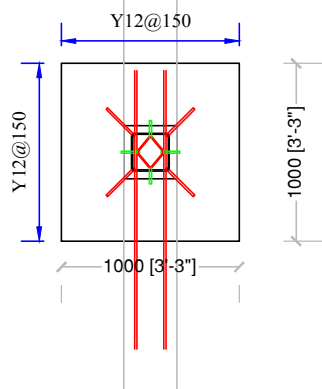
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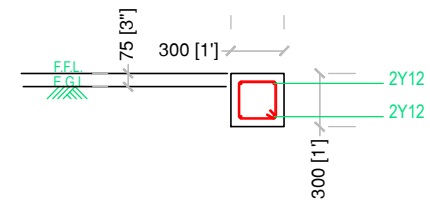
SECTION ON 2-2



COLUMN BASE (F1)



COLUMN BASE (F2)



TIE BEAM (TB)

General Notes

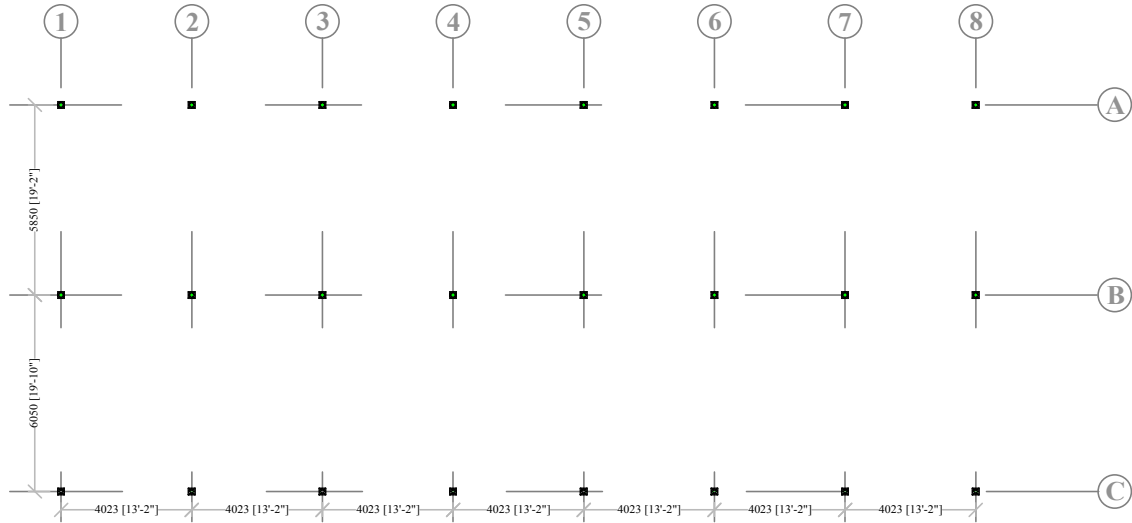
No.	Revision/Issue	Date

File Name and Address

Project Name and Address
 Engineering Bonded Store
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Project IASL ENG BS	Sheet 04
Date Jan 2020	
State NA	

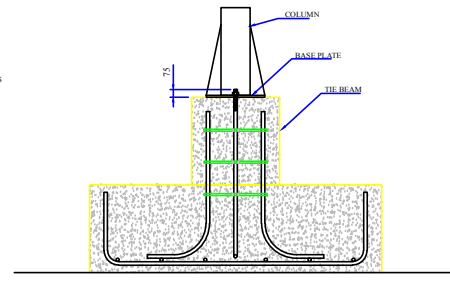
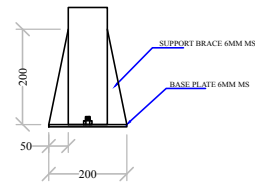
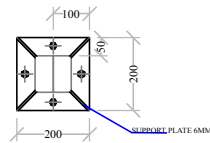
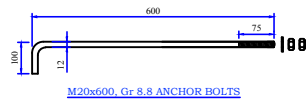
ENGINEERING STORES WAREHOUSE



ANCHOR BOLTS LAYOUT

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ARE IN mm, UNLESS STATED OTHERWISE.
2. ALL HOT ROLLED T SECTIONS, ANGLES, PIPES AND CHANNELS CONFIRM TO JIS G 3101 SS400 WITH MIN. YIELD STRENGTH OF 275 Mpa.
3. ALL COLD ROLLED SECTIONS CONFIRM TO ASTM A607 GR.50 OR EQUIVALENT WITH MIN. YIELD STRENGTH OF 345 Mpa.
4. ALL PRIMARY BOLTS ARE GR. 8.8.



General Notes

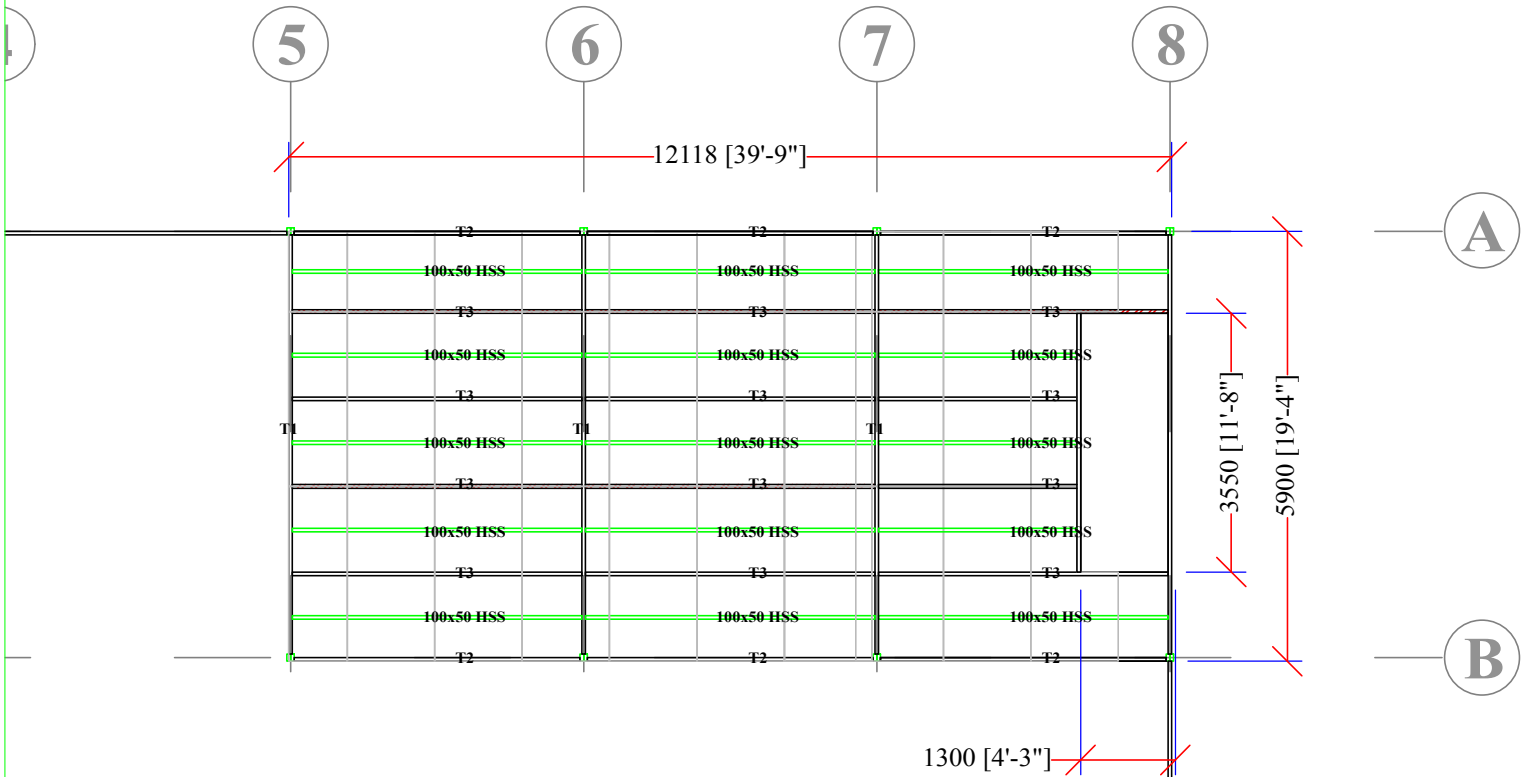
No.	Revision/Issue	Date

Project Name and Address

Project Name and Address
Engineering Bonded Store Warehouse at WA
 Jan 2020

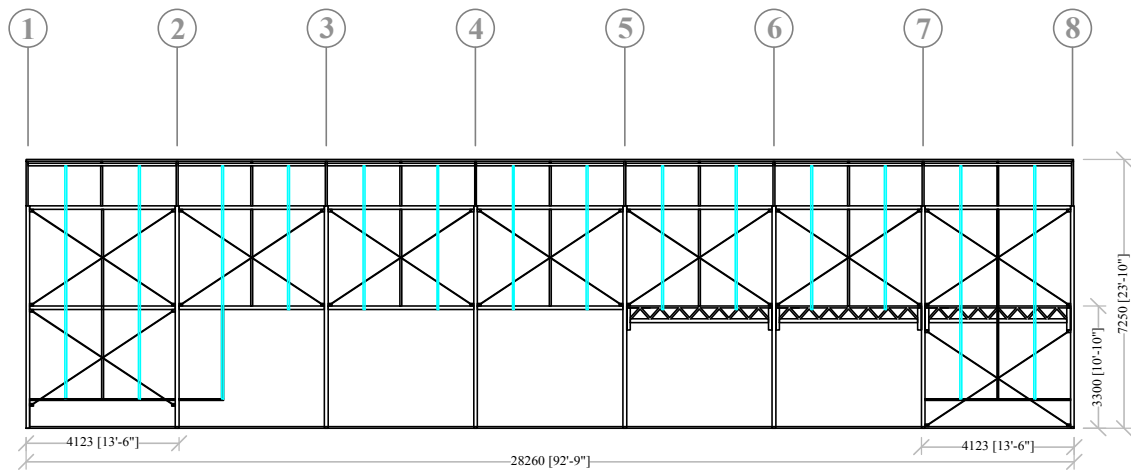
Project: IASL ENG BS	Sheet: 05
Date: Jan 2020	
Rev: NA	

ENGINEERING STORES WAREHOUSE

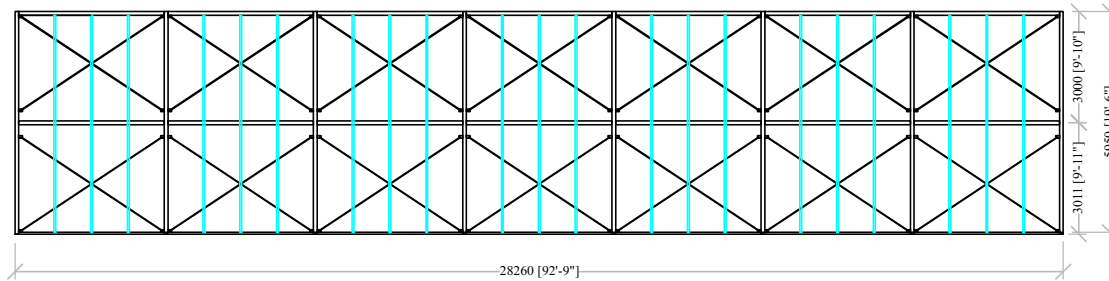


DECK STRUCTURE

General Notes		
No.	Revision/Issue	Date
Project Name and Address		
Engineering Bonded Store Warehouse at WA Jan 2020		
Project: IASL ENG BS	Sheet: 06	
Date: Jan 2020		
Scale: NA		



GRID A - FRAME



GRID C - FRAME

General Notes

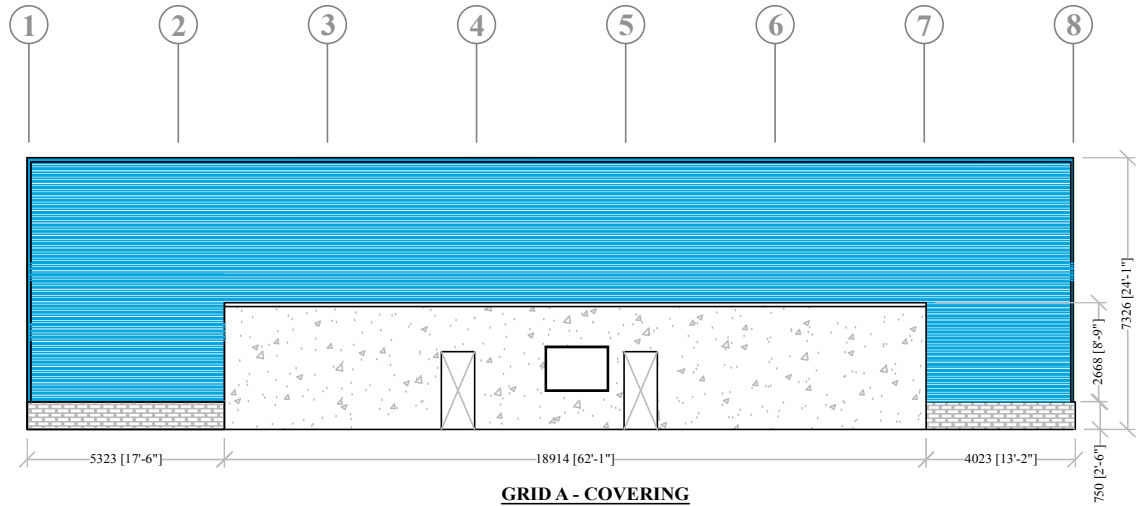
No.	Revision/Issue	Date

Project Name and Address

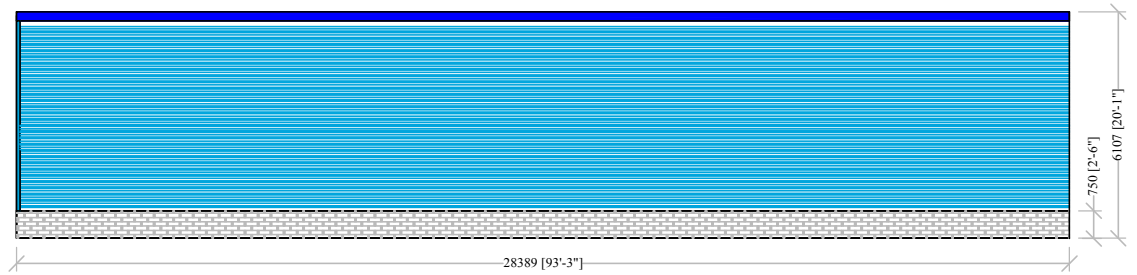
Project Name and Address
 Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project: IASL ENG BS	Sheet: 07
Date: Jan 2020	
Scale: NA	

ENGINEERING STORES WAREHOUSE



GRID A - COVERING



GRID C - COVERING

General Notes

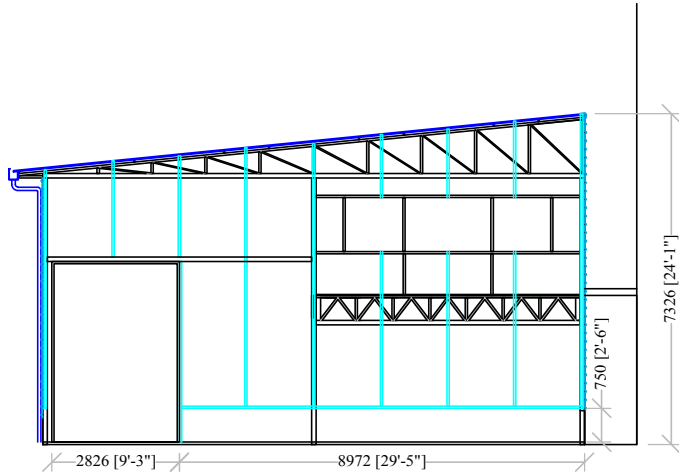
No.	Revision/Issue	Date

Project Name and Address

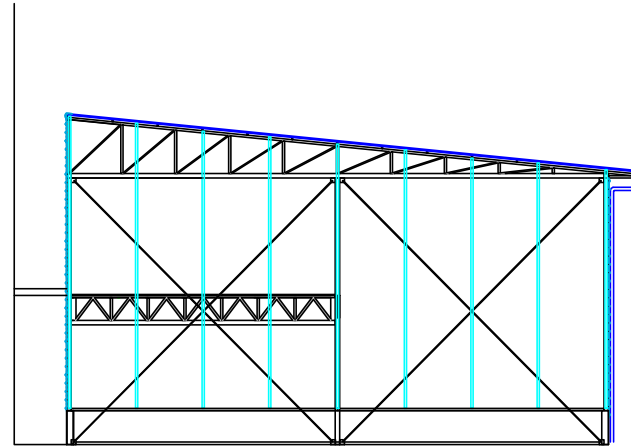
Project Name and Address
Engineering Bonded Store Warehouse at WA
 Jan 2020

Project: IASL ENG BS	Sheet: 08
Date: Jan 2020	
State: NA	

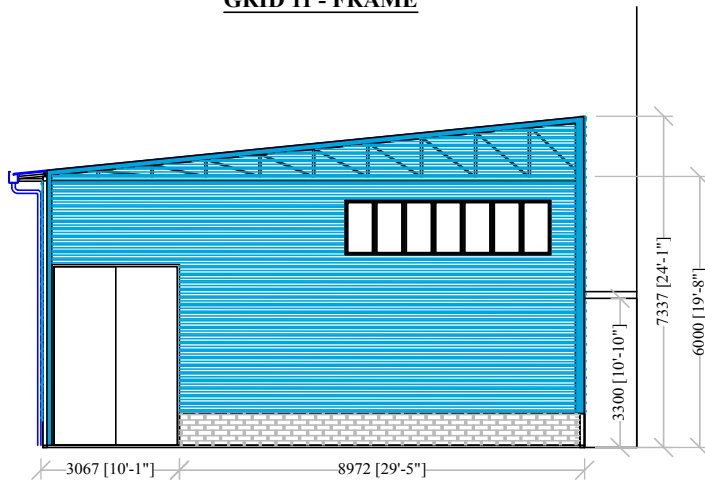
ENGINEERING STORES WAREHOUSE



EXISTING HANGAR

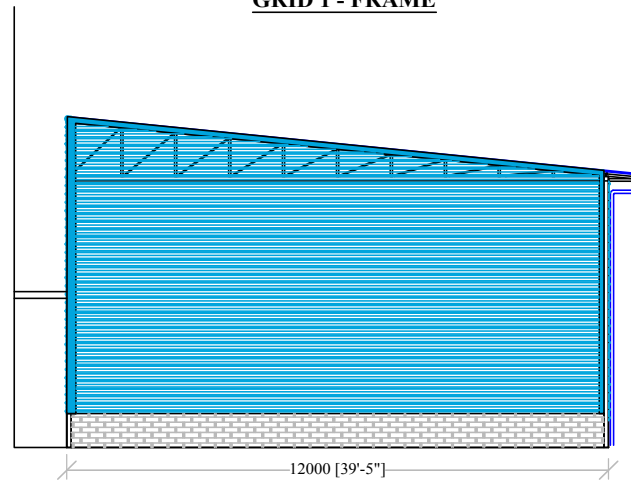


GRID 11 - FRAME



EXISTING HANGAR

GRID 1 - FRAME



GRID 11 - COVERING

GRID 1 - COVERING

General Notes

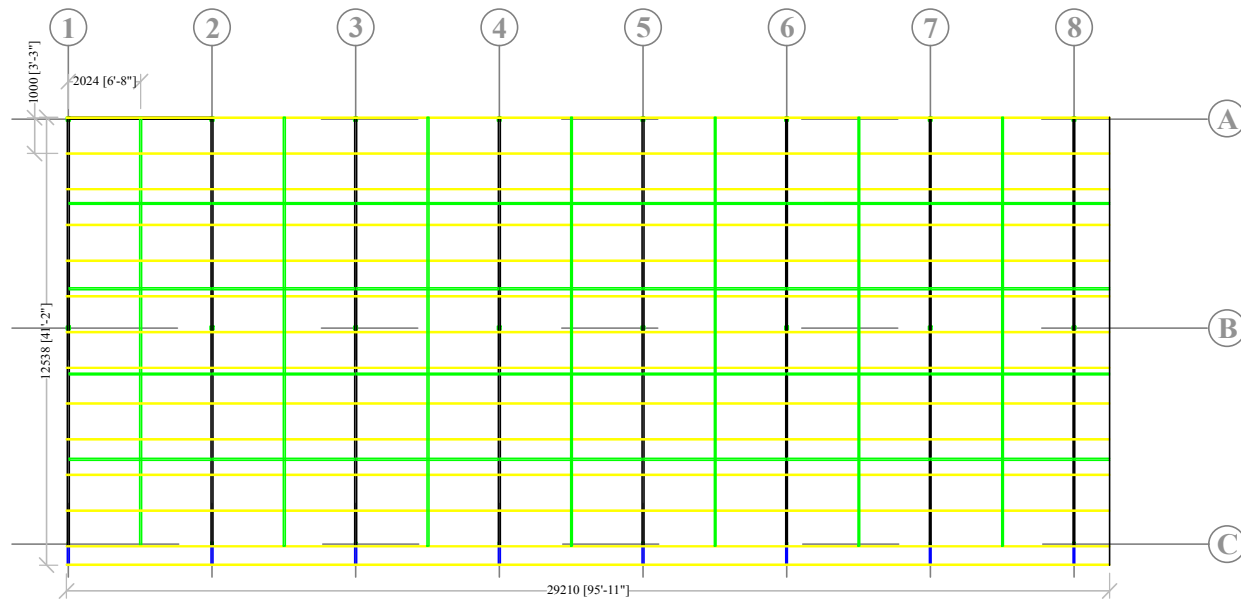
No.	Revision/Issue	Date

Project Name and Address

Engineering Bonded Store
Warehouse at WA
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Project: IASL ENG BS	Sheet: 09
Date: Jan 2020	
Scale: NA	

ENGINEERING STORES WAREHOUSE



ROOF STRUCTURE FRAME

General Notes

No.	Revision/Issue	Date

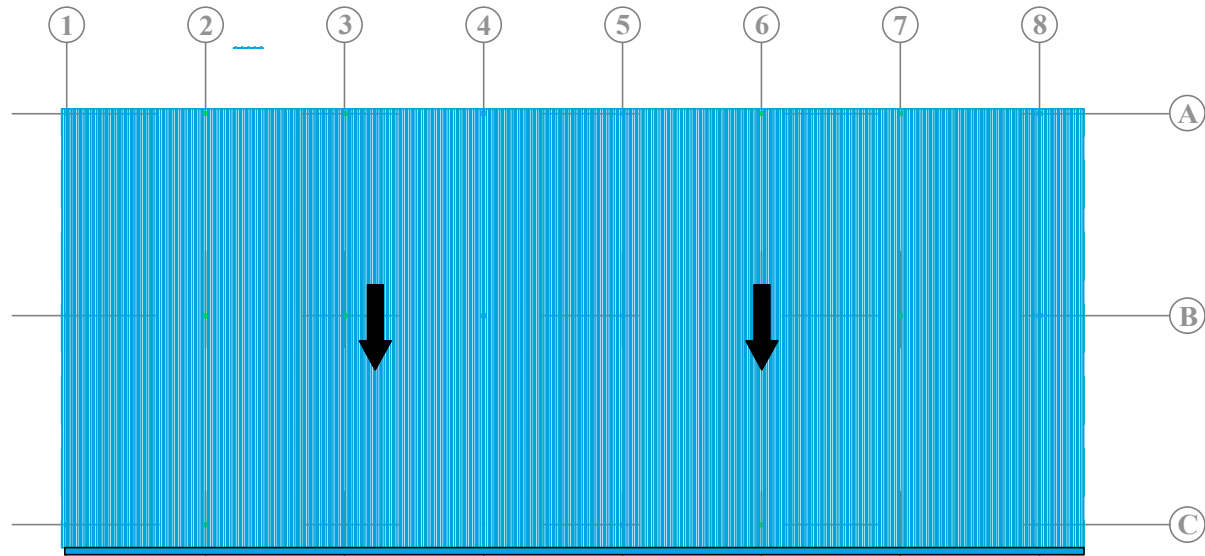
File Name and Address

Project Name and Address

Engineering Bonded Store
Warehouse at WA
Jan 2020

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State	NA		

ENGINEERING STORES WAREHOUSE



ROOF PLAN

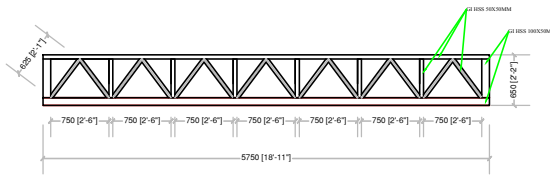
General Notes

No.	Revision/Issue	Date

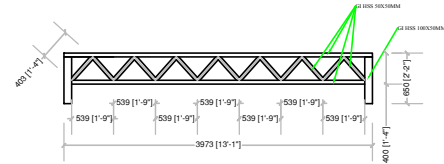
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Project Name and Address
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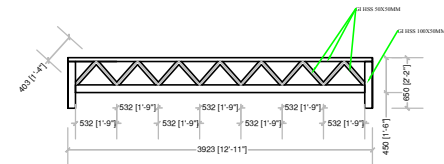
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Date: Jan 2020	
Scale: NA	



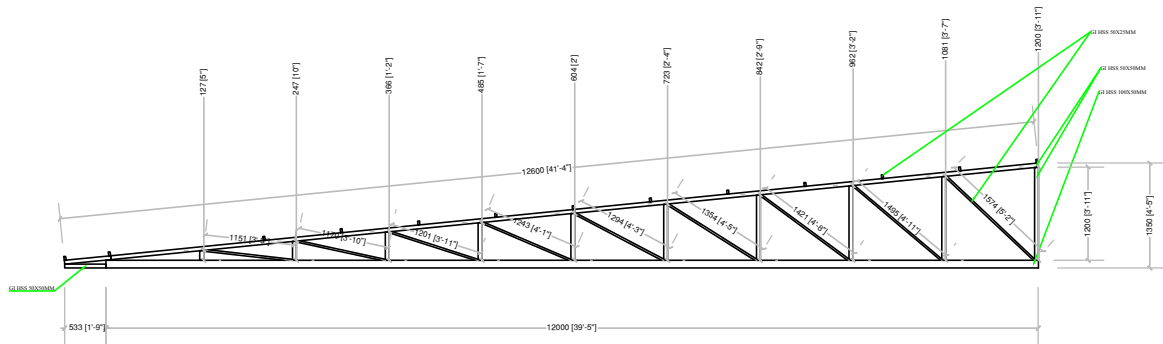
T1



T2



T3



ROOF TRUSS

General Notes

No.	Revision/Issue	Date

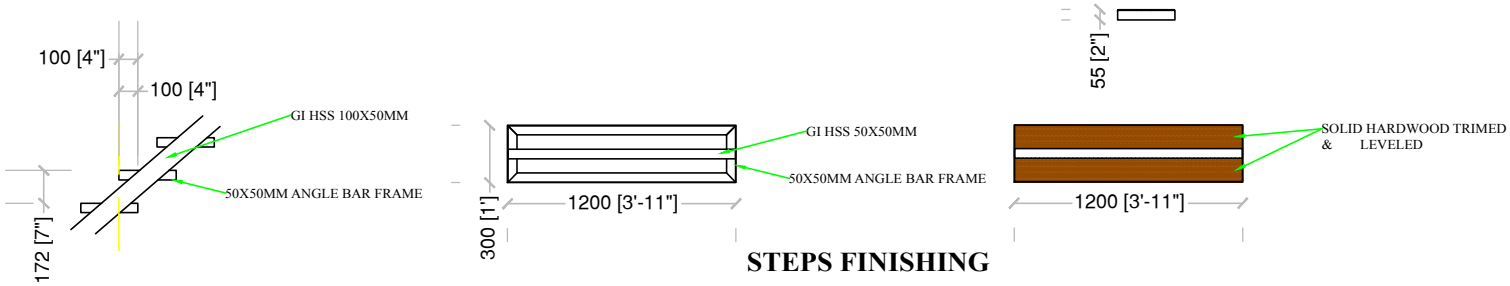
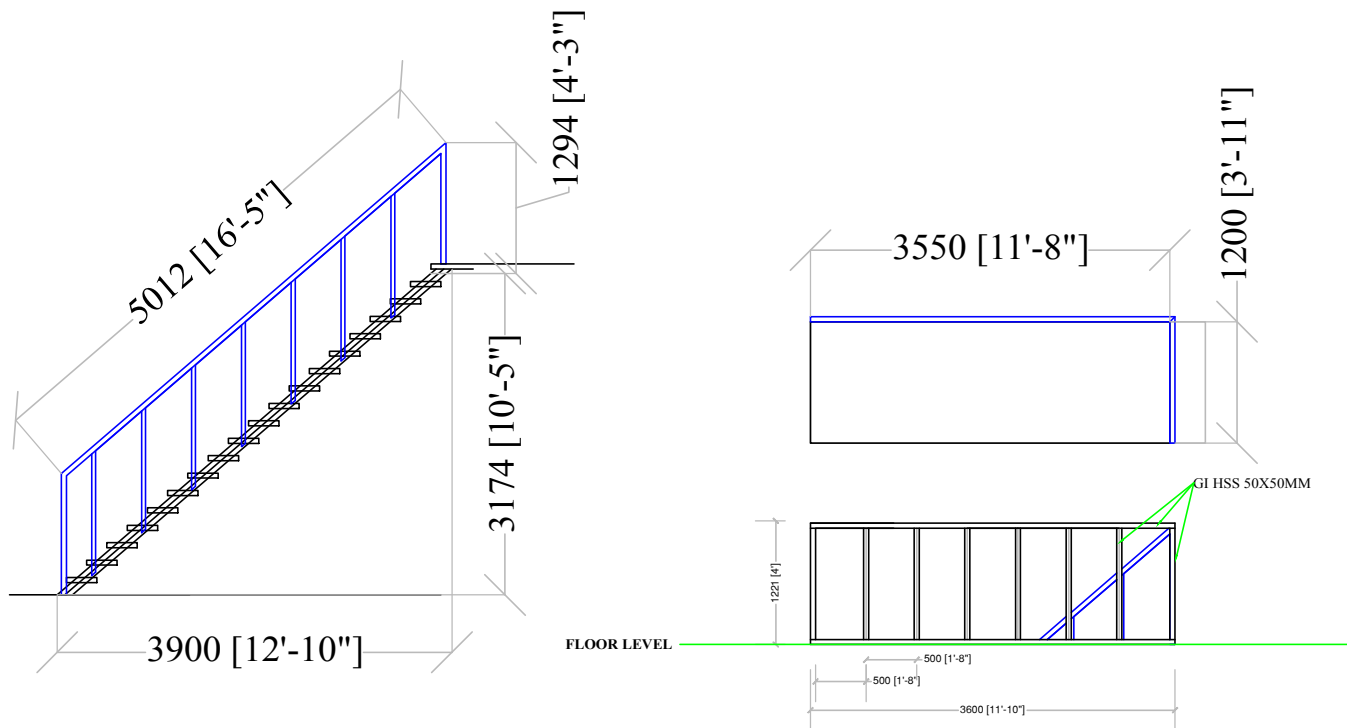
File Name and Address

Project Name and Address

Engineering Bonded Store
Warehouse at WA
Jan 2020

Project: IASL ENG BS	Sheet: 12
Date: Jan 2020	
Rev: NA	

STAIRCASE



General Notes

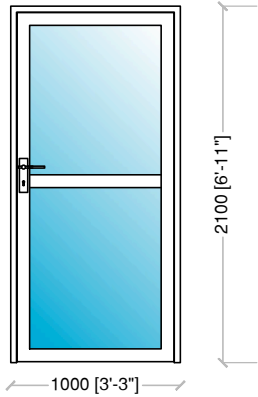
No.	Revision/Issue	Date

File Name and Address

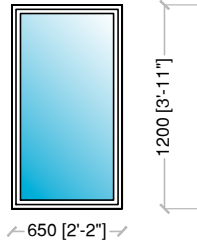
Project Name and Address
 Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project	IASL ENG BS	Sheet	13
Date	Jan 2020		
State	NA		

DOORS & WINDOWS (ALUMINUM PROFILE)



D1



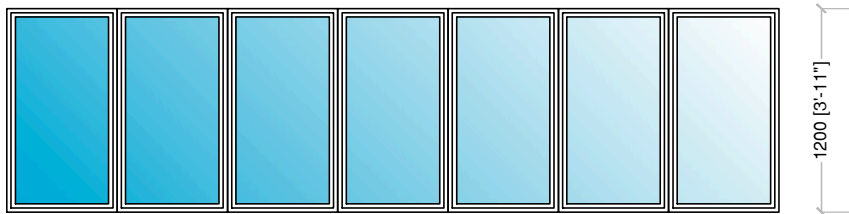
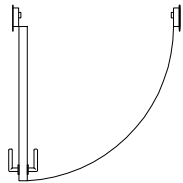
W1



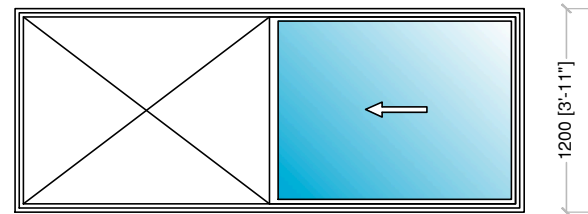
6MM CLADDING



6MM CLEAR GLASS



W2



W3

General Notes

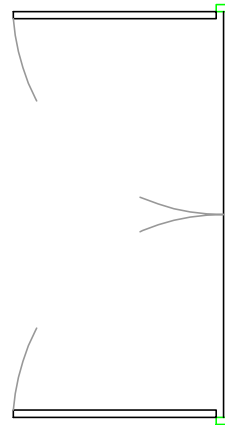
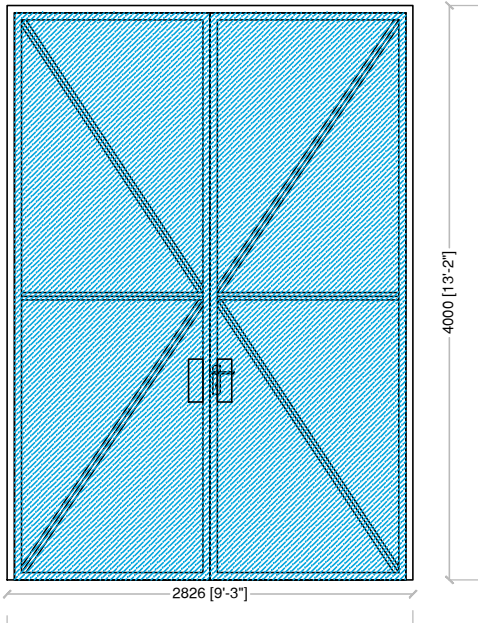
No.	Revision/Issue	Date

File Name and Address

Project Name and Address

Engineering Bonded Store
Warehouse at WA
Jan 2020

Project: IASL ENG BS	Sheet: 14
Date: Jan 2020	
Rev: NA	



 6MM CLADDING

**NOTE: OUTERFRAME GI HSS 100X100MM (100X50MM X 2NOS)
 SANDWICHED
 DOOR FRAME GI HSS 50X50MM
 FACE 6MM CLADDING
 BALL BEARING HEAVY DUTY HINGES
 GATE LATCHES TO BE INSTALLED**

General Notes

No.	Revision/Issue	Date

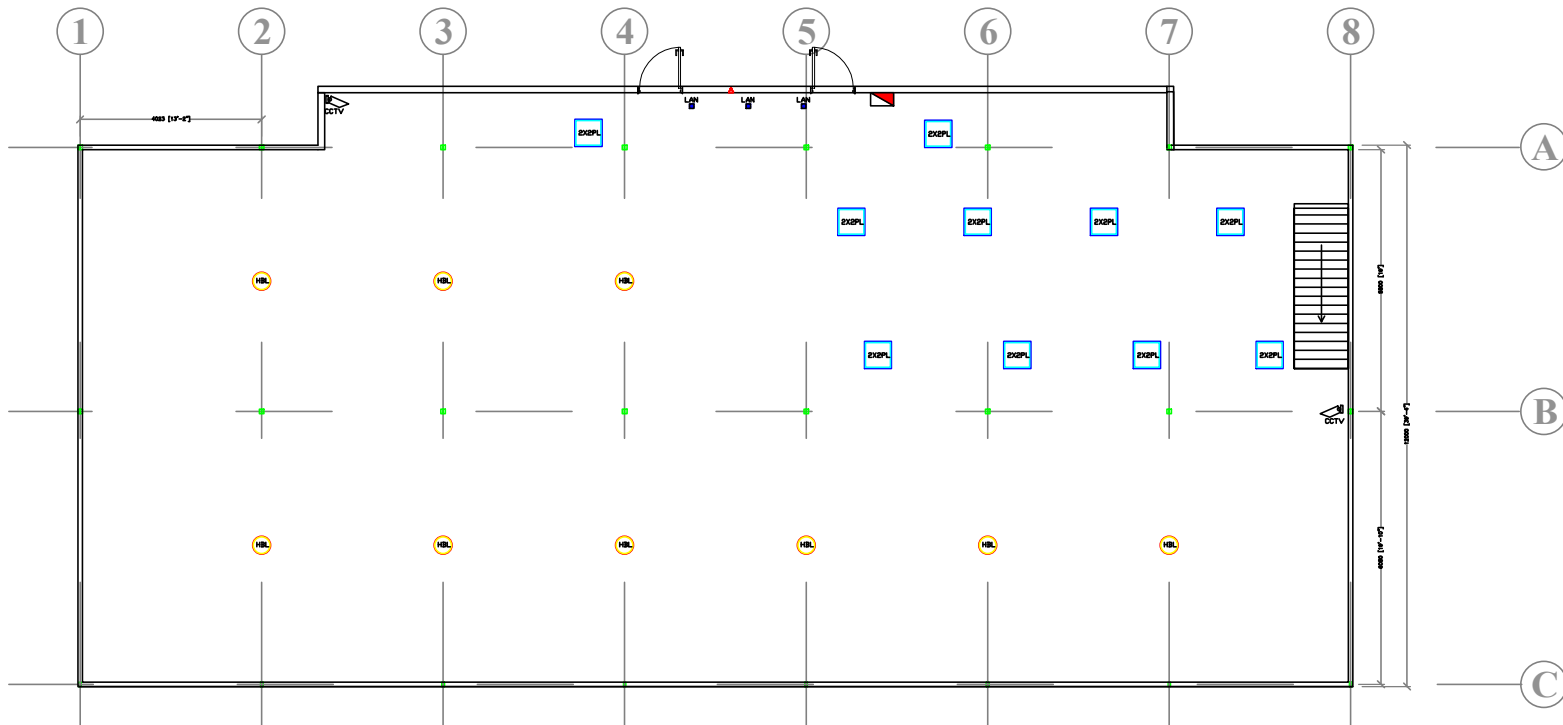
Project Name and Address

Project Name and Address

Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project: IASL ENG BS	Sheet
Date: Jan 2020	14
State: NA	

ENGINEERING STORES WAREHOUSE



WIRING & NETWORK

General Notes

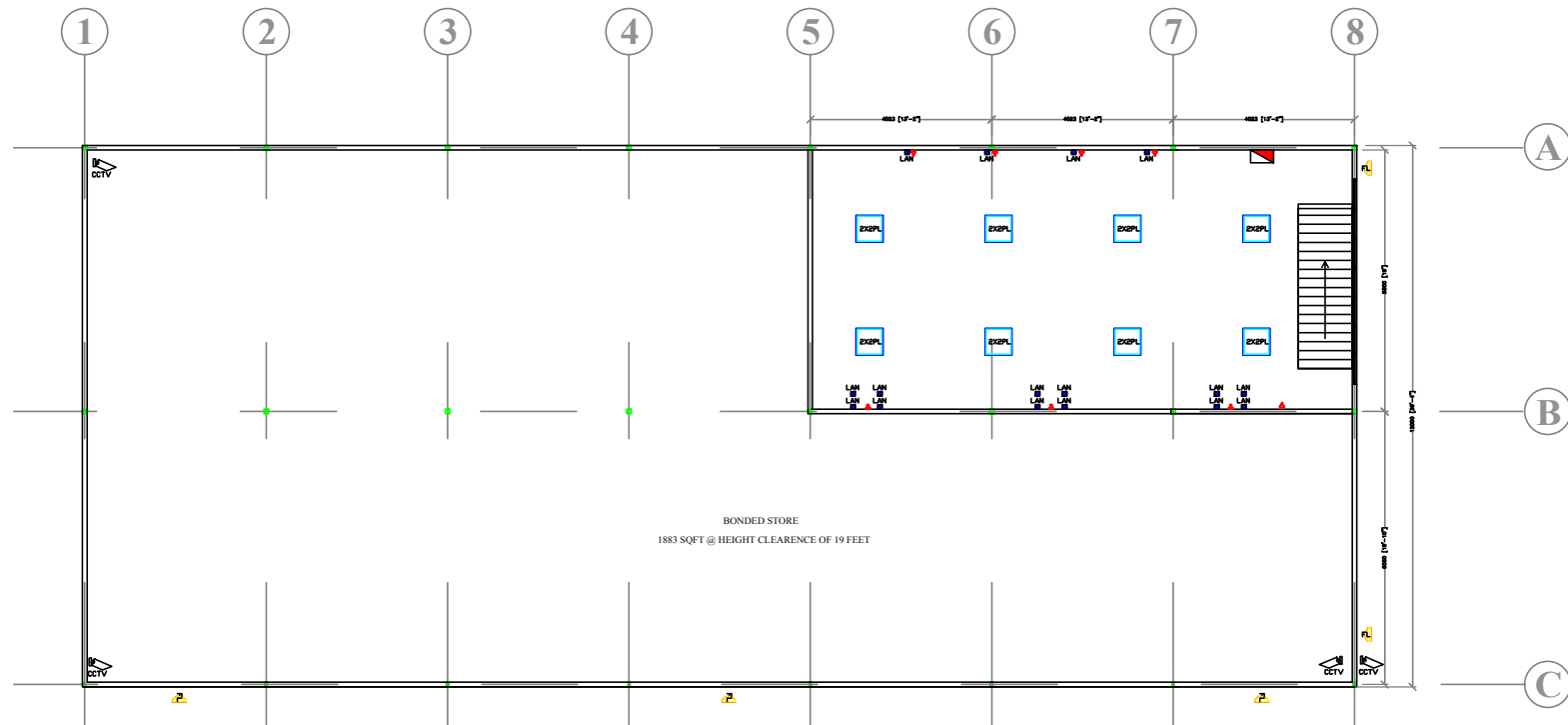
No.	Revision/Issue	Date

File Name and Address

Project Name and Address
 REV May21
 Engineering Bonded Store
 Warehouse at WA
 Jan 2020

Project	IASL ENG BS	Sheet	02
Date	May 2021		
Rev	NA		

ENGINEERING STORES WAREHOUSE



FIRST FLOOR UTILIZATION LAYOUT

BONDED STORE
1883 SQFT @ HEIGHT CLEARANCE OF 19 FEET

General Notes

No.	Revision/Issue	Date

File Name and Address

Project Name and Address
 REV May21
 Engineering Bonded Store
 Warehouse at VA
 Jan 2020

Project IASL ENG BS	Sheet 02
Date May 2021	
Rev NA	

Bid Documentation Check List

- Cover Letter
- Company Profile
- Payment Terms
- Related Party Disclosure
- Audited Financials
- Company Registration Certificate
- MIRA Registration Certificate (For Local Companies Only)
- Tax Compliance Certificate
- List of past experience in similar projects with letters/certificates of completion.
- Implementation Plan, Manufacturing, Shipping and Delivery Schedule.

END OF DOCUMENT
