

**BROADCASTING
AUTHORITY OF
ZIMBABWE**

BIDDING DOCUMENT

for

**TOWER RIGGING AT
TSHOLOTSHO
CONSTRUCTION SITE**

**BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT
TSHOLOTSO CONSTRUCTION SITE**

PROCUREMENT REFERENCE NO: BAZ03/2020

Bidding Document : Tower rigging at Tsholotsho Construction Site

Procurement Reference No : BAZ03/2020

Date of issue : 03 September 2020

**BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT
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PART I BIDDING PROCEDURES

PART 1: BIDDING PROCEDURES

References:

References to the Act are to the Public Procurement and Disposal of Public Assets Act [*Chapter22:23*] and references to the Regulations are to the Public Procurement and Disposal of Public Assets (General) Regulations (Statutory Instrument No. 5 of 2018). The terms and requirements in the Act and Regulations govern the submission of Bids and should be read by all Bidders.

Procurement Reference Number:

Preparation of Bids

You are requested to bid for the items specified in the Statement of Requirements below, by completing and returning the following documentation:

1. the Bid Submission Sheet in this Part 1;
2. the Priced Bill of Quantities or Schedule of Activities (in Part 2) supported by an equipment schedule, manpower schedule and a financial disbursement schedule.
3. a copy of documentation necessary to demonstrate eligibility in terms of section 28 (1) of the Regulations;
4. Supplier Registration number showing that you are registered with the Procurement Regulatory Authority of Zimbabwe;
5. A signed **Bid Securing Declaration form** found in page 28 of this document under Part 3 of the contract;
6. A signed **Declaration of conflict/non conflict of interest and non-disclosure form** found in page 27 of this document under Part 3 of the Contract
7. Reference list with a minimum of three (3) customers with active contact details showing bidders' direct experience in the successful execution of cutting and bending of aluminium rods

The following documents are also required:

1. A copy of CR 14 (List of Directors),
 2. Copy CR6 (Company Address)
 3. Copy Certificate of Incorporation
 4. A valid tax clearance
 5. A copy of your company profile
 8. The completed qualification forms provided
 9. List of equipment for contract execution
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You are advised to carefully read the complete Bidding Document, as well as the Special Conditions of Contract in Part 3: Contract, before preparing your Bid. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction. All pages of the Bid must be clearly marked with the Procurement Reference Number above and the Bidder's name and any reference number.

Number of bids allowed

No Bidder may submit more than one bid, either individually or as a joint venture partner in another Bid, except as a subcontractor. Where the works are divided into lots and packages, only one Bid can be submitted. A conflict of interest will be deemed to arise if Bids are received from more than one Bidder owned, directly or indirectly, by the same person.

Clarification

Clarification of the bidding document may be requested in writing by any Bidder up to **17th of September 2020** and should be sent to

CHIEF EXECUTIVE OFFICER(A)

27 BOSCOBEL DRIVE WEST

HIGHLANDS

HARARE

EMAIL: matthias@baz.co.zw OR procurement@baz.co.zw

Validity of Bids

The minimum period that the Bidder's bid must remain valid is **sixty (60) days** from the deadline for the submission of bids.

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Bid Prices and Discounts

The bid rates and prices must cover all costs of labour, materials, equipment, overheads, profits and all associated costs for performing the Works and must include all taxes and duties. The whole cost of performing the Works must be included in the items stated, and the cost of any incidental works will be deemed to be included in the prices quoted.

The Bidder must fill in rates and prices for all items of the Works described in the Bill of Quantities or Schedule of Activities. Items against which no rate or price is entered by the Bidder will be deemed to be covered by the rates or prices for other items in the Bill of Quantities or Schedule of Activities.

The price quoted in the Bid Submission Sheet must be the total price of the Bid, excluding discount. The Bidder must quote any discounts and the methodology of its application in the Bid Submission Sheet.

Currency

Tenders should be priced in **United States Dollars**, payment will be made in Zimbabwean Dollars at prevailing auction rate.

Bid Security

The Bidder must include:

A “Bid-Securing Declaration” using the form included in Part 2.

Any bid not accompanied by a Bid Securing Declaration in accordance with section 26 (4) of the Regulations, where this is a requirement of bidding, will be rejected by the Procuring Entity as non-responsive.

The Bid Security or Bid-Securing Declaration of a Joint Venture (JV) must be in the name of the JV that submits the Bid. If the JV has not been legally constituted at the time of bidding, the Bid-Securing Declaration must be in the names of all intended partners.

Origin of Materials, Equipment and Services:

All materials, equipment and services to be used in the performance of the contract shall have as their country of origin an eligible country, as defined in the Special Conditions of Contract.

Evaluation of Bids

Bids will be evaluated using the methodology set out in Part V of the Regulations.

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Review by the Special Procurement Oversight Committee

Section 54 of the Act provides for review by the Special Procurement Oversight Committee for certain especially sensitive or especially valuable contracts. This tender will not require Special Procurement Oversight Committee review.

Eligibility and Qualification Criteria

Bidders are required to meet the criteria in section 28 of the Act and section 28(1) of the Regulations to be eligible to participate in public procurement and to be qualified for the proposed contract.

1. have the legal capacity to enter into a contract;
2. not be insolvent, in receivership, bankrupt or being wound up, not have had business activities suspended and not be the subject of legal proceedings for any of these circumstances;
3. have fulfilled their obligations to pay taxes and social security contributions in Zimbabwe;
4. not have a conflict of interest in relation to this procurement requirement;
5. not be debarred from participation in public procurement under section 72 (6) of the Act and section 74(1) (c), (d) or (e) of the Regulations or declared ineligible under section 99 of the Act;
6. have the nationality of an eligible country as specified in the Special Conditions of Contract;
7. passed the minimum qualification criteria indicated in this Part 1; and
8. have been registered with the Authority as a Supplier and have paid the applicable Supplier Registration Fee set out in Part III of the Fifth Schedule to the Regulations.

Participation in this bidding procedure is restricted to Zimbabwean bidders, therefore bidders must attach **Certificate of Incorporation** to confirm this.

Detailed Evaluation

The Bids will be examined to confirm that all terms, conditions and requirements of the bidding document have been compiled with by the Bidder. The assessment of responsiveness shall be determined in accordance with the criteria in section 28 of the Regulations.

Evaluation of Technical Bids will include an assessment of the Bidder's technical capacity to mobilize key equipment and manpower which is substantially responsive to the Procuring Entity's Requirements.

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PART I BIDDING PROCEDURES

Award of Contract

The lowest evaluated bid, after the application of any additional evaluation criteria, including any margin of preference, which is substantially responsive to the requirements of this bidding document will be recommended for award of the Contract. The proposed award of contract will be by issue of a Notification of Contract Award in terms of section 55 of the Act which will be effective on receipt of a Letter of Acceptance in accordance with Part 3: Contract. Unsuccessful Bidders will receive the Notification of Contract Award and if they consider they have suffered prejudice from the process, they may, within 14 days of receiving this Notification, submit to the Procuring Entity a Challenge in terms of section 73 of the Act, subject to payment of the applicable fee set out in section 44 of and the Third Schedule to the Regulations.

Right to Reject

The Procuring Entity reserves the right to accept or reject any Bids or to cancel the procurement process and reject all Bids at any time prior to contract award.

Corrupt Practices

The Government of Zimbabwe requires that Procuring Entities, as well as Bidders and Contractors, observe the highest standard of ethics during the procurement and execution of contracts. In pursuit of this policy:

1. the Procuring Entity will reject a recommendation for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract or has been declared ineligible to be awarded a procurement contract under section 99 of the Act;
2. the Authority may under section 72 (6) of the Act impose the debarment sanctions under section 74(1) of the Regulations; and
3. any conflict of interest on the part of the Bidder must be declared.

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PART I BIDDING PROCEDURES

Bid Submission Sheet

{Note to Bidders: Complete this form with all the requested details and submit it as the first page of your Bid. Attach the completed Statement of Requirements and any other documents requested in Part 1. Ensure that your Bid is authorised in the signature block below. A signature and authorisation on this form will confirm that the terms and conditions of this Bid prevail over any attachments. If your Bid is not authorised, it may be rejected. If the Bidder is a Joint Venture (JV), the Bid must be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.

Bidders should mark as “CONFIDENTIAL” information in their Bids which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.}

Procurement Reference Number:

Subject of Procurement:

Name of Bidder

Bidder’s Reference Number:

Date of Bid:

We offer to supply the items listed in the attached Statement of Requirements, at the prices indicated on the attached Price Schedule and in accordance with the terms and conditions stated in your Bidding Document referenced above.

We confirm that we meet the eligibility criteria specified in Part 1: Procedures of Bidding.

We declare that we are not debarred from bidding and that the documents we submit are true and correct.

The validity period of our bid is:{days} from the date of submission.

We confirm that the prices quoted in the attached Price Schedule are fixed and firm for the duration of the validity period and will not be subject to revision, variation or adjustment.

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PART I BIDDING PROCEDURES

Bid Authorised By:

Signature	Name:
Position:	Date:(DD/MM/YY)
Authorised for and on behalf of:	
Company	
Address:	
.....	

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PART I BIDDING PROCEDURES

Factor	Experience						
Sub-Factor	Criteria					Documentation Required	
	Requirement	Bidder					
		Single Entity	Joint Venture, Consortium or Association				
		All partners combined	Each partner	At least one partner			
1. General Experience	Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last 3 years prior to the bid submission deadline, and with activity in at least 9 months in each year.	Must meet requirement	N / A	Must meet requirement	N / A		Form 4
2. Specific Experience	Participation as contractor, management contractor, or subcontractor, must be at least a Ministry of Public Works Category _____ (<i>Specify the Ministry of Public Works Category of the contractor required</i>).	Must meet requirement	Must meet requirements for all characteristics	N / A	Must meet requirement for one characteristic		Form 5

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PART I BIDDING PROCEDURES

PQ FORM 1 – FINANCIAL SITUATION

Historical Financial Performance

Bidder's Legal Name: _____

Date: _____

JV Partner Legal Name: _____

Bidding No.: _____

Page _____ of _____ pages

To be completed by the Bidder and, if Joint Venture (JV), by each partner

Financial information in USD equivalent	Information for previous year (USD equivalent)
Information from Balance Sheet	
Total Assets (TA)	
Total Liabilities (TL)	
Net Worth (NW)	
Current Assets (CA)	
Current Liabilities (CL)	
Information from Income Statement	
Total Revenue (TR)	
Profits Before Taxes (PBT)	

- Attached are copies of financial statements (balance sheets, including all related notes, and income statements) for the previous year as required above complying with the following conditions:
- Must reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies
 - Must be audited by a certified accountant
 - Must be complete, including all notes to the financial statements
 - Must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)

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PQ FORM 2. ANNUAL TURNOVER (PREVIOUS YEAR)

Bidder's Legal Name: _____
JV Partner Legal Name: _____

Date: _____
Bidding No.: _____
Page _____ of _____ pages

Year	USD

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PQ FORM 3. FINANCIAL RESOURCES

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract.

Source of financing	Amount (USD)
1.	
2.	
3.	
4.	

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PART I BIDDING PROCEDURES

PQ FORM 4. EXPERIENCE

GENERAL EXPERIENCE

Bidder's Legal Name: _____

Date: _____

JV Partner Legal Name: _____

Bidding No.: _____

Page _____ of _____ pages

Starting Month / Year	Ending Month / Year	Years*	Contract Identification	Role of Bidder
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____
_____	_____		Contract name: Brief Description of the Works performed by the Bidder: Name of Purchaser: Address:	_____

*List calendar year for years with contracts with at least nine (9) months' activity per year starting with the earliest year

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PART I BIDDING PROCEDURES

PQ FORM 5. SPECIFIC EXPERIENCE

Bidder's Legal Name: _____

Date: _____

JV Partner Legal Name: _____

Bidding No.: _____

Page _____ of _____ pages

Similar Contract Number: ___ <i>[insert specific number]</i> of ___ <i>[insert total number of contracts required]</i> .	Information		
Contract Identification	_____		
Award date	_____		
Completion date	_____		
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
Total contract amount	_____		UGX _____
If partner in a JV or subcontractor, specify participation of total contract amount	_____ %	_____	UGX _____
Procuring Entity's Name:	_____		
Address:	_____ _____ _____		
Telephone/fax number:	_____ _____		
E-mail:	_____		

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PQ Form 5a. Specific Experience (cont.)

Bidder's Legal Name: _____

Page _____ of _____ pages

JV Partner Legal Name: _____

Similar Contract No. <i>__</i>[insert specific number] of <i>__</i>[insert total number of contracts] required	Information
Description of the similarity in accordance with Sub-Factor 2.4.2a) of Section III (Evaluation and Qualification Criteria):	
Amount	_____ _____
Physical size	_____ _____
Complexity	_____ _____
Methods/Technology	_____ _____
Physical Production Rate	_____ _____

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PART II PROCURING ENTITY'S REQUIREMENTS

PART 2: PROCURING ENTITY'S REQUIREMENTS

Scope of Works

Procurement Reference Number: BAZ03/2020

Brief Description of Works : Tower rigging at Tsholotsho Site

Location of Works: : Tsholotsho Construction Site

Commencement Date : October 2020

Completion Periods Required : Sixty (60) days

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PART II PROCURING ENTITY'S REQUIREMENTS

Specifications

The Works are to be performed in accordance with the following attached specifications:

1. Provide equipment for tower rigging at Tsholotsho Construction Site
2. Tower rigging at Tsholotsho Construction Site

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PART II PROCURING ENTITY'S REQUIREMENTS

Drawings

[Find attached drawings at the end of the document]

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PART II PROCURING ENTITY'S REQUIREMENTS

Schedule of Activities

[Should be used for projects where payments are based on estimated percentage of Works completed whilst the quantities are constant as in building and other vertical infrastructure projects)

Name of Bidder:

Bidder's Reference Number:

Currency of Bid: _____

Item No	Activities of Works	Unit	Total Price
1.	Provide Equipment for tower rigging at Tsholotsho	Lump-sum	
2.	Tower rigging at Tsholotsho as per attached drawing	Lump-sum	
Grand Total			

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PART II PROCURING ENTITY'S REQUIREMENTS

Bid-Securing Declaration

{The Bidder must fill in this Form in accordance with the instructions indicated, where it has been stated in the Bidding Procedures that a Bid-Securing Declaration is a requirement of bidding}.

Procurement Reference number:

Date:[date (in day, month and year format)]

Bidder's Reference Number:

To: {full name of Procuring Entity}

We, the undersigned, declare that:

We understand that, according to the terms and conditions of your bidding documents, bids must be supported by a Bid-Securing Declaration.

We accept that we may be debarred from being eligible for bidding for any contract with a Procuring Entity in Zimbabwe for a period of time to be determined by the Authority, if we are in breach of our obligation(s) under the bidding conditions, because:

- (a) we have withdrawn our Bid during the period of Bid validity; or
- (b) having been notified of the acceptance of our Bid by the Procuring Entity during the period of bid validity, we fail or refuse to execute the Contract.

We understand this Bid Securing Declaration will expire if we are not the successful Bidder, either when we receive your notification to us of the name of the successful Bidder; or twenty-eight days after the expiration of our Bid, whichever is the earlier.

Signed	Name:
	...
In capacity of:	Date:(DD/MM/YY)
Duly authorised for and on behalf of:	
Company	
Address:	

Corporate Seal (where appropriate)	

{Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all the partners to the Joint Venture that submits the Bid.}

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PART II PROCURING ENTITY'S REQUIREMENTS

Declaration by the Accounting Officer

I declare that the procurement is based on neutral and fair technical requirements and bidder qualifications.


.....

M. CHAKANYUKA

CHIEF EXECUTIVE OFFICER (A)

BROADCASTING AUTHORITY OF ZIMBABWE

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PART III CONTRACT

PART 3 CONTRACT

**BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT
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PART III CONTRACT

General Conditions of Contract

Any resulting contract is subject to the Zimbabwe General Conditions of Contract (GCC) for the Procurement of Non-Complex Works (copy available on request) except where modified by the Special Conditions below.

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PART III CONTRACT

Special Conditions of Contract

Procurement Reference Number:

The clause numbers given in the first column correspond with the relevant clause number of the General Conditions of Contract.

GCC reference	Special Conditions
1.1(g)	The Contractor is: _____ <i>[insert the name, address and contact details of Contractor].</i>
1.1(q)	The Intended Completion Date for the Whole Works is: 60 days
1.1(t)	The Procuring Entity is: Broadcasting Authority of Zimbabwe, 27 Boscobel Drive West, Highlands, Harare
1.1(v)	The Project Manager is: _____ <i>[insert the name, address and contact details of Project Manager. If there would be no Project Manager appointed for the Contract, the authorised representative of the Procuring Entity shall act as the Project Manager]</i>
1.1(w)	The Site is located at: _____ <i>[insert the exact location of the project site].</i>
1.1(z)	The Start Date shall be: October 2020 and as agreed during contract negotiations
1.1(cc)	The Works consist of: Tower rigging at Tsholotsho Construction Site
2.2	The documents that form part of the Contract shall be following: <ul style="list-style-type: none">a. the Contract Agreement,b. the Letter of Acceptance,c. the Contractor's Bid Submission Sheet,d. the Special Conditions of Contract,e. the General Conditions of Contract,f. the Procuring Entity's Requirements,g. the Contractor's Bill of Quantities or Schedule of Activities (as applicable), andh. any other documents submitted by the Contractor forming part of the Contract. <p>The priority of the documents shall be in the aforementioned order. If there is any discrepancy or inconsistency, the Project Manager shall issue any necessary clarification.</p>
2.3	The Contract is a: Lumpsum contract
3.1	The Language of the Contract is English. The Law governing the Contract is that

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PART III CONTRACT

GCC reference	Special Conditions
	of the Republic of Zimbabwe.
4.1	<p>The Project Manager’s decision shall be limited to the following:</p> <ul style="list-style-type: none"> (a) issuing a variation order equal to 15% of the Initial Contract Amount in accordance with GCC Sub-clause 29.1(b); (b) adjusting the Contract Price by up to 10% of the Contract Amount when a Compensation Event causes additional cost in accordance with GCC Sub-clause 33; and (c) any consequent extension of time that should be issued under (a) and (b). <p>On circumstances that exceeded the aforementioned limits, prior approval of the Procuring Entity is required.</p>
10.1	<p>The minimum insurance amounts and deductibles shall be:</p> <ul style="list-style-type: none"> (a) for loss or damage to the Works, Plant and Materials: <i>[insert currency and amount]</i>. (b) For loss or damage to Equipment: <i>[insert currency and amount]</i>. (c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract <i>[insert currency and amount]</i>. (d) for personal injury or death: <ul style="list-style-type: none"> (i) of the Contractor’s employees: <i>[insert currency and amount]</i>. (ii) of other people: <i>[insert currency and amount]</i>.
11.2	<p>The data on Site are outlined in the following documents:</p> <p>_____</p> <p>_____</p> <p><i>[insert any documents provided by Procuring Entity that relates to site data. If there is none, please delete]</i></p>
16.1	The Site Possession Date shall be: <i>[insert location(s) and date(s)]</i>
19.1	The Contractor shall submit a Program for the Works within 14 days after the date of the Letter of Acceptance.
19.3	<p>No program updates shall be required unless specifically requested by the Project Manager of the Procuring Entity.</p> <p><i>[If program updates are required, amend to the following text and insert SCC 19.3]</i></p> <p>The Contractor shall submit for approval an updated Program for the Works within 14 days from the date of any change made to the Contract.</p>
26.1	<p>The Defects Liability Period is: <i>[insert number]</i> months.</p> <p><i>[The Defects Liability Period is usually limited to 12 months, but could be less in very simple cases]</i></p>

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PART III CONTRACT

GCC reference	Special Conditions
34.2	Adjustment of the Contract Price: The Project Manager shall not adjust the Contract Price if taxes, duties, and other levies are changed during the period from Start date to the date the Completion certificate <i>[State any arrangement under which the Contract Price may be adjusted or delete if inapplicable.]</i>
35.1	The retention shall be <i>[State percentage to be retained, normally five percent (5%) of each payment certificate].</i>
36.1	The Liquidated Damages shall be 0.01% per day of delay. The total liquidated damages (LD) shall not exceed 10% of the Contract Amount.
38.1	Payment shall be made within 30 days of completion of work. Payment will be made in Zimbabwean Dollars at prevailing auction rate.
39.1	The Performance Security of 10% of contract price shall be paid by bidder within 21 days of award.
42.1	The Contract Administration Fee set out in Part V of the Fifth Schedule of the Regulations is due upon the signing of the Contract and the applicable Fee is \$ 1750.00.
46	46.1 The date to supply “as-built drawings and/or operating manuals shall be within 14 days following issue of Completion Certificate. 46.2 The amount to be withheld shall be 0.01% of Contract price per day of delay.
49.1	The percentage to apply to the value of the work not completed, representing the Procuring Entity’s additional cost for completing the Works, is <i>[insert percentage]</i> .

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PART III CONTRACT

Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, should only be completed by the successful Bidder after contract award.

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PART III CONTRACT

LETTER OF ACCEPTANCE

[To be produced on letterhead paper of the Procuring Entity]

To:

[name and address of the successful Tenderer]

Subject: Letter of Acceptance

This is to notify you that your Bid dated..... *[insert date]* for the execution of the
.*[insert name of the contract and procurement reference number,]* for the Accepted Contract
Amount of the equivalent of *[insert amount in numbers and words and name of
currency]*, as corrected and modified in accordance with the Instructions to Bidders is hereby
accepted by the Procuring Entity.

You are requested to furnish the Performance Security within 28 days in accordance with the
Conditions of Contract, using for that purpose the of the Performance Security Form included in
Section 3 (Contract Forms) of the Bidding Document. *[Delete page if no Performance Security is
required in the SCC]*

Signed: <i>[insert signature of authorised person]</i>
Name: <i>[insert complete name of person signing]</i>
In the capacity of: <i>[insert legal capacity of person signing]</i>
Duly authorized to sign the letter of acceptance for and on behalf of <i>[insert complete name of Procuring Entity]</i>
Date: day of {DD/MM/YY}

Attachment: Contract Agreement

BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT TSHOLOTSHO

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

CONTRACT AGREEMENT

Procurement Reference:.....

THIS CONTRACT AGREEMENT is made the *[insert: date]* day of *[insert: month]*, *[insert: year]*.

BETWEEN

- (1) *[insert complete name of Procuring Entity]*, a *[insert description of type of legal entity, for example, an agency of the Ministry of of the Government of Zimbabwe, or corporation incorporated under the laws of Zimbabwe]* and having its principal place of business at *[insert full postal address of Procuring Entity]* (hereinafter called “the Procuring Entity”), and
- (2) *[insert name of Contractor]*, a corporation incorporated under the laws of *[insert: country of Contractor]* and having its principal place of business at *[insert full postal address of Contractor]* (hereinafter called “the Contractor”).

WHEREAS the Procuring Entity desires that the Works known as *[name of the Contract]* should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and for the remedying of any defects in them,

THE PROCURING ENTITY AND THE CONTRACTOR AGREE AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are assigned to them in the General and Special Conditions of Contract referred to below.
2. The following documents shall constitute the Contract between the Procuring Entity and the Contractor, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement;
 - (b) The Letter of Acceptance;
 - (c) The Contractor’s Bid;
 - (d) The Special Conditions of Contract;
 - (e) The General Conditions of Contract;
 - (f) The Procuring Entity’s requirements (Specifications and Drawings);
 - (g) The completed Bill of Quantities or Schedule of Activities; and
 - (h) *[Add here any other document(s)]*.
3. This Contract Agreement shall prevail over all other Contract Documents. In the event of any discrepancy or inconsistency within the Contract Documents, then the documents shall prevail in the order listed above.
4. In consideration for the payments to be made by the Procuring Entity to the Contractor as mentioned below, the Contractor hereby agrees with the Procuring Entity to execute the Works and to remedy any defects in them in conformity with the Contract.

BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT TSHOLOTSHO

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

5. The Procuring Entity hereby agrees to pay the Contractor, in consideration for the execution and completion of the Works and the remedying of any defects in them, the Contract Price or such other sum as may become payable under the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed in accordance with the laws of Zimbabwe on the day, month and year indicated above.

For and on behalf of the Procuring Entity

Signed:
Name:
In the capacity of: [Title or other appropriate designation]

For and on behalf of the Contractor

Signed:
Name:
In the capacity of: [Title or other appropriate designation]

.....
[Note: If the Contractor consists of more than one entity, all these entities should appear as signatories, e.g., in the following manner:]

For and on behalf of each member of the Joint Venture

Signed:
Name of member:
In the capacity of: [Title or other appropriate designation]

Signed:
Name of member:
In the capacity of: [Title or other appropriate designation]

BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT TSHOLOTSHO

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

BANK GUARANTEE FOR PERFORMANCE SECURITY

[Delete page if no Performance Security is required in the SCC]

[The issuing bank, as requested by the successful Bidder, must fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year)]*

Title of the procurement: *[Insert general title of the procurement]*

Procurement Reference No: *[insert reference]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Procuring Entity]*

Performance Guarantee No:

We have been informed that *[name of the Contractor]*, (hereinafter called "the Contractor") has entered into Contract No. *[procurement reference number of the Contract]*. dated *[insert day and month]*, *[insert year]*, with you, for the execution of *[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we *[name of the Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[name of the currency and amount in figures]*¹.... (. *[amount in words]*) such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of ,², and any demand for payment under it must be received by us at this office on or before that date. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed ...*[six months][one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....

[Seal of Bank and Signature(s)]

Note –

All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

¹ *The Guarantor shall insert an amount representing the percentage of the Contract Price specified in the Contract and denominated either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Procuring Entity.*

² *Insert the date twenty-eight days after the expected completion date. The Procuring Entity should note that in the event of an extension of the time for completion of the Contract, the Procuring Entity would need to request an extension of this*

**BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT
TSHOLOTSHO**

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.

BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT TSHOLOTSHO

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

ADVANCE PAYMENT SECURITY

[Delete page if no Advance Payment is required in the SCC]

[The bank, as requested by the successful Tenderer, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year)]*
Procurement Reference No: *[insert reference]*

[Issuing bank's letterhead]

Beneficiary: *[insert legal name and address of Procuring Entity]*

ADVANCE PAYMENT GUARANTEE No.: *[insert Advance Payment Guarantee no.]*

We have been informed that *[name of the Contractor]* (hereinafter called "the Contractor") has entered into Contract No..... *[procurement reference number of the Contract]*, dated *[insert day and month]*, *[insert year]* with you, for the execution of *[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum *[name of the currency and amount in figures]* ¹ (..... *[amount in words]*) is to be made against an advance payment guarantee.

At the request of the Contractor, we *[name of the Bank]*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[name of the currency and amount in figures]** (..... *[amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Contractor on its account number*[Contractor's account number]*. at *[name and address of the Contractor's Bank]*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that eighty (80) percent of the Contract Price has been certified for payment, or on the day of ², whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months][one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.
.....

[Seal of Bank and Signature(s)].....

Note –

All italicized text is for guidance in preparing this demand guarantee and shall be deleted from the final document.

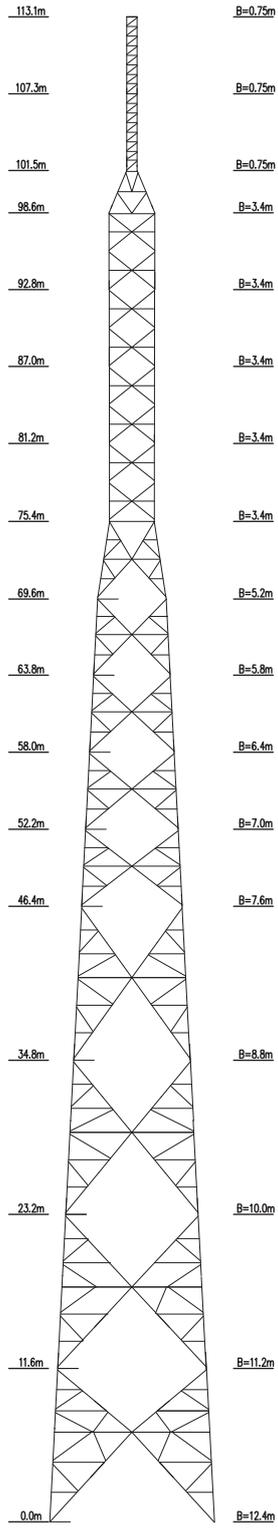
**BIDDING DOCUMENT FOR THE PROCUREMENT OF TOWER RIGGING AT
TSHOLOTSHO**

PROCUREMENT REFERENCE NO: BAZ03/2020

PART III CONTRACT

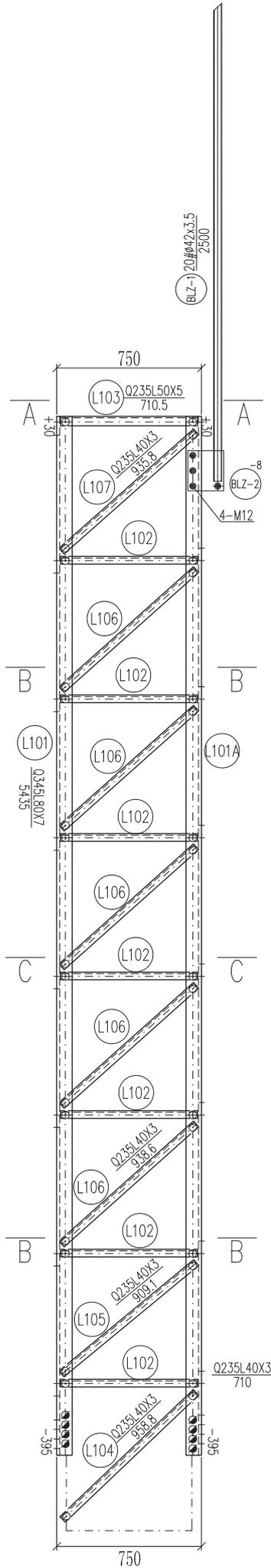
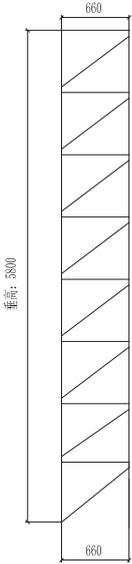
1 The Guarantor shall insert an amount representing the amount of the advance payment denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Procuring Entity.

2 Insert the expected expiration date of the Time for Completion. The Procuring Entity should note that in the event of an extension of the time for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.



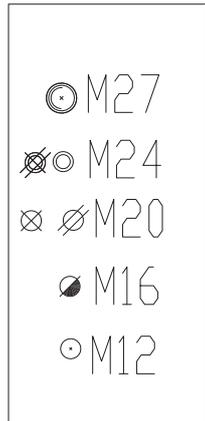
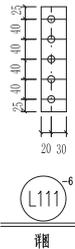
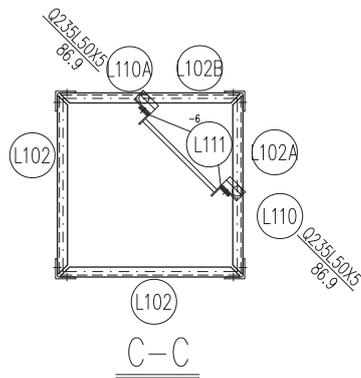
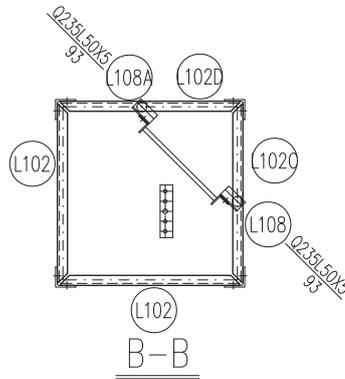
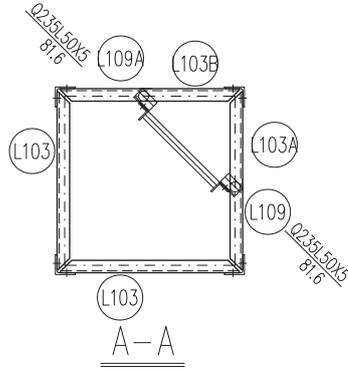
Bolts, Shackles and Washers List

Name	Grade	Specification	Thread Length	Quantity	Weight (kg)	Remark
Bolt	8.8S	M12X45	40	168		2 nuts & 1 flat washer
		M12X50	45	3		2 nuts & 1 flat washer



Member List

Hard Stamp No.	No.	Size	Length(mm)	QTY	Weight(kg)		Note
					Unit	Total	
112M-L101-M	L101	Q345L80X7	5435	3	46.33	138.99	
112M-L101A-M	L101A	Q345L80X7	5435	1	46.33	46.33	
112M-L102-H	L102	L40X3	710	22	1.31	28.82	
112M-L102A-H	L102A	L40X3	710	1	1.31	2.62	
112M-L102B-H	L102B	L40X3	710	1	1.31	2.62	
112M-L102C-H	L102C	L40X3	710	2	1.31	1.31	
112M-L102D-H	L102D	L40X3	710	2	1.31	1.31	
112M-L103-H	L103	L50X5	710	2	2.68	5.36	
112M-L103A-H	L103A	L50X5	710	1	2.68	2.68	
112M-L103B-H	L103B	L50X5	710	1	2.68	2.68	
112M-L104-B	L104	L40X3	959	4	1.78	7.12	
112M-L105-B	L105	L40X3	909	4	1.68	6.72	
112M-L106-B	L106	L40X3	939	20	1.74	34.8	
112M-L107-B	L107	L40X3	935	4	1.73	6.92	
112M-L108-C	L108	L50X5	93	2	0.35	0.7	
112M-L108A-C	L108A	L50X5	93	2	0.35	0.7	
112M-L109-C	L109	L50X5	81.6	1	0.31	0.31	
112M-L109A-C	L109A	L50X5	81.6	1	0.31	0.31	
112M-L110-C	L110	L50X5	86.9	1	0.33	0.33	
112M-L110A-C	L110A	L50X5	86.9	1	0.33	0.33	
112M-L111-S	L111	-6	50X210	2	0.5	1.0	
112M-BLZ-2-S	BLZ-1	φ42x3.5	2500	1	8.3	8.3	Assembly QTY:1
	BLZ-2	-8	210x185	1	2.44	2.44	112M-BLZ-2-S



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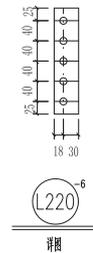
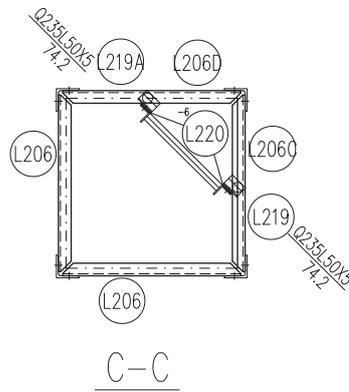
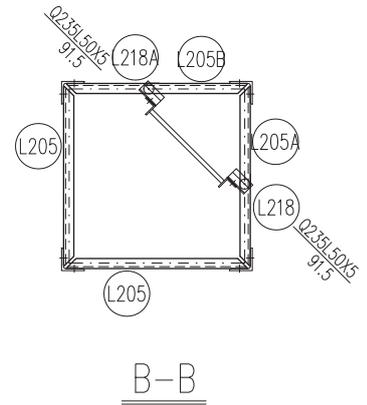
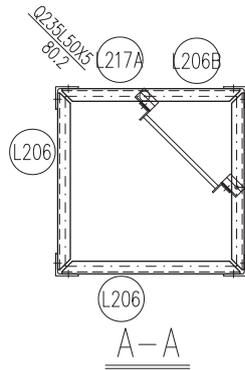
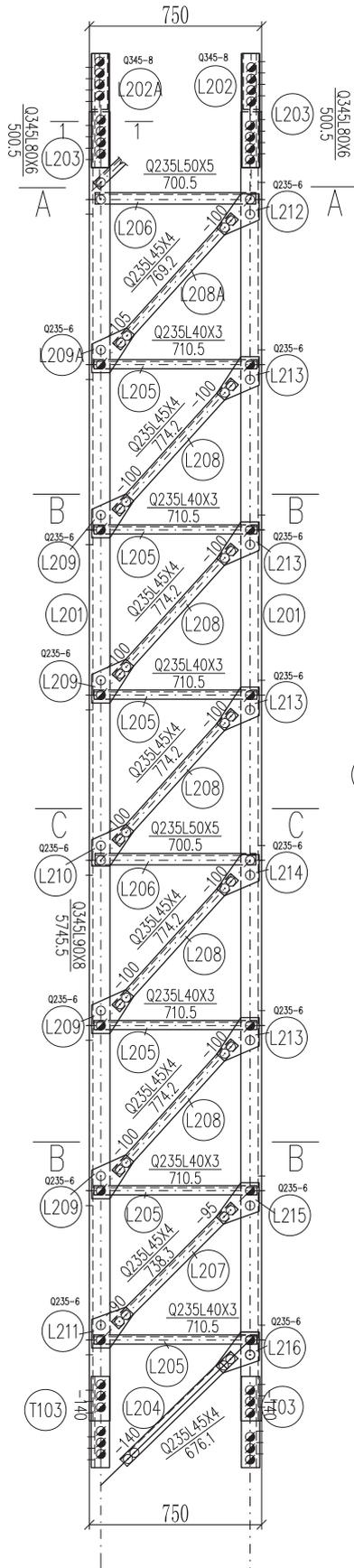
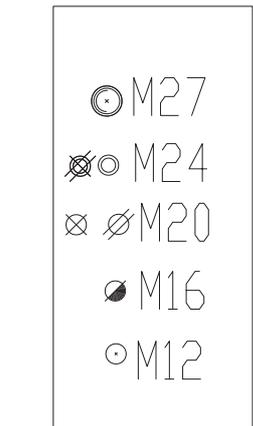
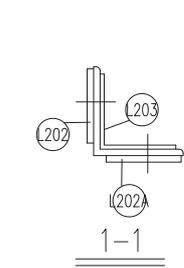
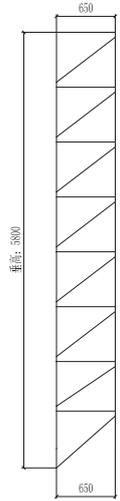
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Drawn	Miss	Body L1 Struct View	Rate	1:1
Confirm			Sect.	L1
Audit			Date	11.6.2015
Appro.			NO	2/26

Bolts, Shackles and Washers List

Name	Grade	Specification	Thread Length	Quantity	Weight (kg)	Remark
Bolt	8.8S	M12x45	40	104		2 nuts & 1 flat washer
		M12x50	45	140		2 nuts & 1 flat washer
		M16x65	55	112		2 nuts & 1 flat washer

Member List

Hard Stamp No.	No.	Size	Length(mm)	QTY	Weight(kg)		Note
					Unit	Total	
112M-L201-M	L201	Q345L90X8	5745	4	62.88	251.52	
112M-L202-S	L202	Q345-8X75	500	4	2.36	9.44	
112M-L202A-S	L202A	Q345-8X75	500	4	2.36	9.44	
112M-L203-C	L203	Q345L80X6	500	4	3.69	14.76	
112M-L204-B	L204	L45X4	676.1	4	1.82	7.3	
112M-L205-H	L205	L40X3	710	20	1.31	26.2	
112M-L205A-H	L205A	L40X3	710	2	1.31	2.62	
112M-L205B-H	L205B	L40X3	710	2	1.31	2.62	
112M-L206-H	L206	L50X5	700	4	2.64	10.56	
112M-L206A-H	L206A	L50X5	700	1	2.64	2.64	
112M-L206B-H	L206B	L50X5	700	1	2.64	2.64	
112M-L206C-H	L206C	L50X5	700	1	2.64	2.64	
112M-L206D-H	L206D	L50X5	700	1	2.64	2.64	
112M-L207-B	L207	L45X4	738	4	2.02	8.1	
112M-L208-B	L208	L45X4	774	20	2.12	42.4	
112M-L208A-B	L208A	L45X4	769	4	2.10	8.4	
112M-L209-S	L209	-6X134	242	16	1.53	24.5	
112M-L209A-S	L209A	-6X134	247	4	1.57	6.3	
112M-L210-S	L210	-6X130	234	4	1.44	5.8	
112M-L211-S	L211	-6X136	232	4	1.50	6.0	
112M-L212-S	L212	-6X131	234	4	1.45	5.8	
112M-L213-S	L213	-6X135	242	16	1.54	24.7	
112M-L214-S	L214	-6X131	234	4	1.45	5.8	
112M-L215-S	L215	-6X137	237	4	1.54	6.2	
112M-L216-S	L216	-6X137	237	4	1.54	6.2	
112M-L217-C	L217	L50X5	80.2	1	0.3	0.3	
112M-L217A-C	L217A	L50X5	80.2	1	0.3	0.3	
112M-L218-C	L218	L50X5	91.5	2	0.34	0.68	
112M-L218A-C	L218A	L50X5	91.5	2	0.34	0.68	
112M-L219-C	L219	L50X5	74.2	1	0.3	0.3	
112M-L219A-C	L219A	L50X5	74.2	1	0.3	0.3	
112M-L220-S	L220	-6	48X210	2	0.5	1.0	

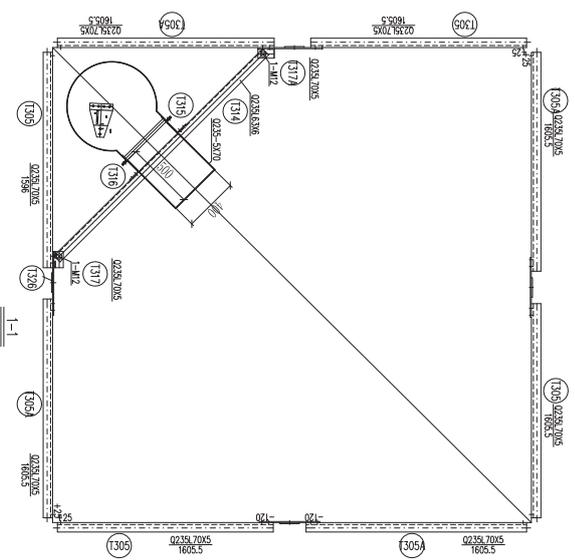
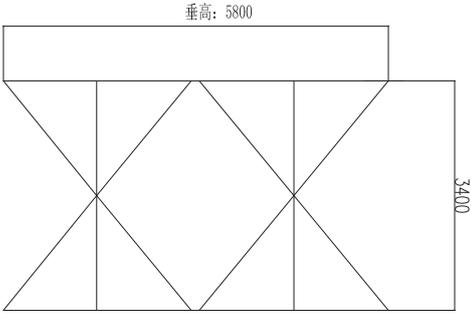
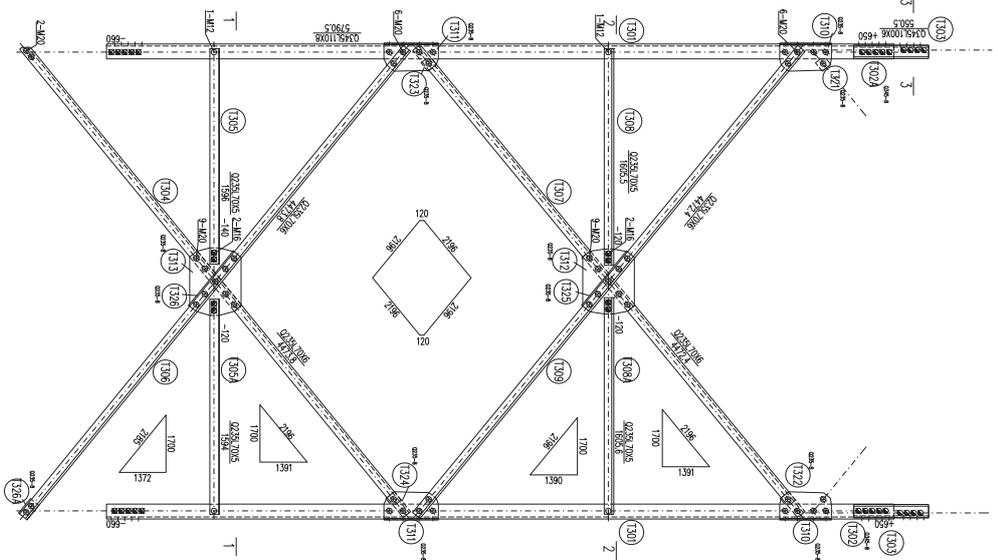


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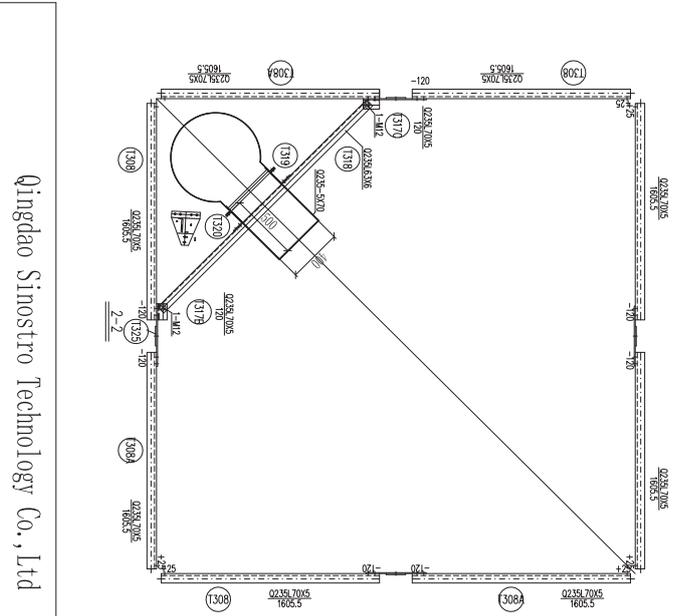
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Drawn	Miss		
Confirm			
Audit			
Appro.			
		Body L2 Struct View	Rate 1:1
			Sec. L2
			Date 11.6.2015
			NO 3/26

Nominal Grade Specification	Nominal Diameter (mm)	Weight (kg)	Remark
M27x45	45	28	2 units 1 end member
M27x50	45	36	2 units 1 end member
M16x55	55	104	2 units 1 end member
M20x75	65	112	2 units 1 end member
M20x95	65	8	2 units 1 end member

BOLT SYMBOL LIST

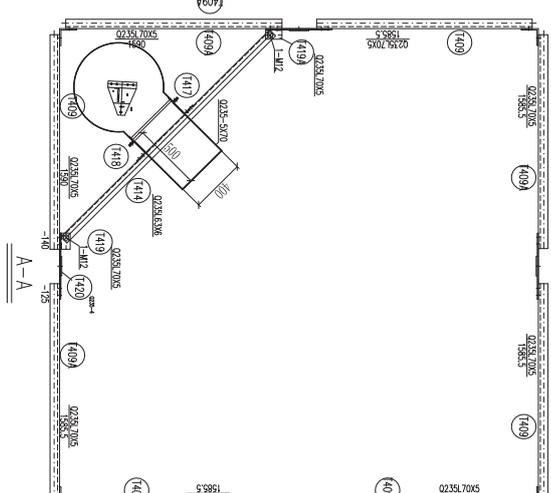
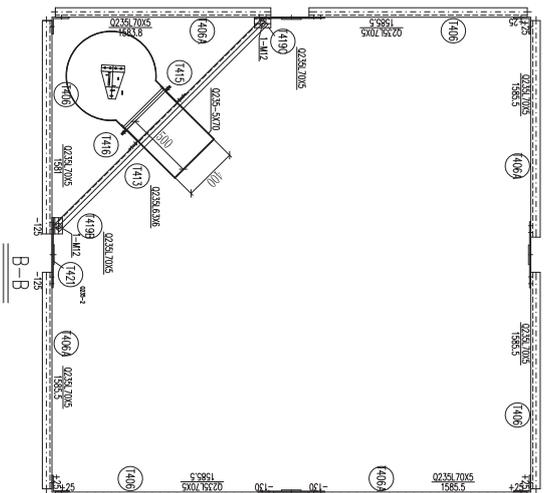
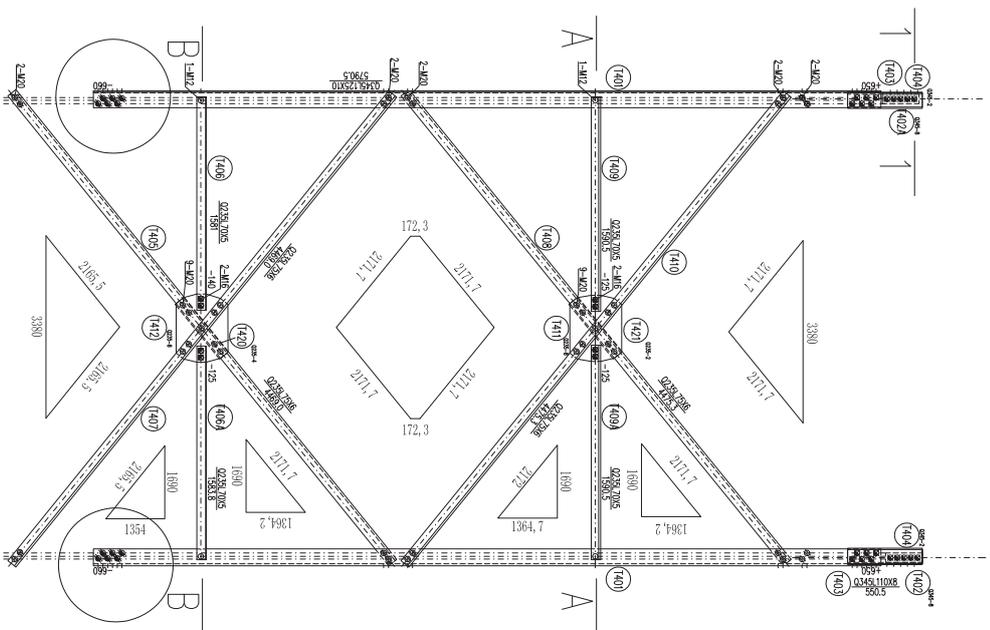
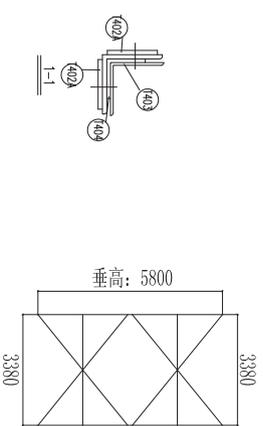


Member List	Hord Stamp	No.	Grade	Size Length(mm)	Qty	Weight(kg)		Note	
						pcs	Total		
	112M-1301-4	T301	Q235B	L110x8	5790	4	78.35	313.40	
	112M-1302-5	T302	Q235B	-8	550x85	4	2.94	11.76	
	112M-1302A-5	T302A	Q235B	-8	550x85	4	2.94	11.76	
	112M-1303-4	T303	Q235B	L100x6	550	4	5.15	20.60	
	112M-1304-1	T304	Q235B	L70x5	4472	4	28.65	114.60	
	112M-1304-1	T305	Q235B	L70x5	1595	4	8.61	34.44	
	112M-1305A-1	T305A	Q235B	L70x5	1594	4	8.60	34.40	
	112M-1306-1	T306	Q235B	L70x6	4472	4	28.65	114.60	
	112M-1307-1	T307	Q235B	L70x6	4472	4	28.65	114.60	
	112M-1308-1	T308	Q235B	L69x5	1695	4	8.66	34.64	
	112M-1308A-1	T308A	Q235B	L70x5	1705	4	8.66	34.64	
	112M-1309-1	T309	Q235B	L70x6	4472	4	28.65	114.60	
	112M-1310-5	T310	Q235B	280x196	8	4	6.68	26.74	
	112M-1311-5	T311	Q235B	-8	480x196	8	4.92	39.36	
	112M-1312-5	T312	Q235B	-8	500x318	4	11.52	46.08	
	112M-1312-5	T313	Q235B	-8	500x318	4	11.52	46.08	
	112M-1314-5	T314	Q235B	L63x86	2171	1	12.52	49.42	
	112M-1315-5	T315	Q235B	-6	170x248	1	1.99	7.96	
	112M-1316-5	T316	Q235B	-6	170x248	1	1.99	7.96	
	112M-1317-4	T317	Q235B	L70x5	120	1	0.65	0.65	
	112M-1317A-4	T317A	Q235B	L70x5	120	1	0.65	0.65	
	112M-1317B-4	T317B	Q235B	L70x5	120	1	0.65	0.65	
	112M-1317C-4	T317C	Q235B	L70x5	120	1	0.65	0.65	
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	112M-1320-5	T320	Q235B	-6	210x248	1	2.45	9.80	
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	112M-1324-5	T324	Q235B	-8	80x80	4	0.40	1.60	
	112M-1325-5	T325	Q235B	-8	520x80	4	2.61	10.44	
	112M-1326-5	T326	Q235B	-8	520x80	4	2.61	10.44	
	112M-1326A-5	T326A	Q235B	-8	138x80	4	0.69	2.76	



Design		Name	
Drawn	Miss	RSA 112m EPA 10sqm 40m/s 15-011-003	
Confirm		Body T3 Struct View	
Audit		Date	11.6.2015
Appro.		NO	6/26

Qingdao Sinoestro Technology Co., Ltd



Member List

Hard Stomp	No.	Grade	Size	Length(mm)	Weight(kg)		Note	
					pcs	Total		
112M-1401-M	T401	Q345B	L125x10	5790	4	110.78	443.12	
112M-1402-S	T402	Q345B	-8	550x115	4	3.97	15.88	
112M-1402-S	T402A	Q345B	-8	550x115	4	3.97	15.88	
112M-1403-C	T403	Q345B	L110x8	550	4	7.44	29.76	
112M-1404-S	T404	Q235B	-9	270x70	8	0.30	2.40	
112M-1405-B	T405	Q235B	L75x6	4468	4	30.85	123.40	
112M-1406-H	T406	Q235B	L70x5	1584	4	8.55	34.20	
112M-1407-B	T407	Q235B	L75x6	4475	4	30.85	123.40	
112M-1408-B	T408	Q235B	L75x6	4475	4	30.85	123.40	
112M-1409-H	T409	Q235B	L70x5	1590	4	8.58	34.32	
112M-1409A-H	T409A	Q235B	L70x5	1590	4	8.58	34.32	
112M-1410-B	T410	Q235B	L75x6	4475	4	30.90	123.60	
112M-1411-S	T411	Q235B	-8	490x381	4	11.72	46.88	
112M-1412-S	T412	Q235B	-8	505x380	4	12.05	48.20	
112M-1413-C	T413	Q235B	L63x6	2171	1	12.42	12.42	
112M-1414-C	T414	Q235B	L63x6	2171	1	12.42	12.42	
112M-1415-S	T415	Q235B	-6	248x170	1	1.99	1.99	
112M-1416-S	T416	Q235B	-6	248x170	1	1.99	1.99	
112M-1417-S	T417	Q235B	-6	248x210	1	2.45	2.45	
112M-1418-S	T418	Q235B	-6	248x210	1	2.45	2.45	
112M-1419-C	T419	Q235B	L70x5	120	1	0.65	0.65	
112M-1419A-C	T419A	Q235B	L70x5	120	1	0.65	0.65	
112M-1419B-C	T419B	Q235B	L70x5	120	1	0.65	0.65	
112M-1419C-C	T419C	Q235B	L70x5	120	1	0.65	0.65	
112M-1420-S	T420	Q235B	-4	520x80	4	1.31	5.24	
112M-1421-S	T421	Q235B	-2	520x80	4	0.65	2.60	

Bolts, Shackles and Washers List

Name	Grade	Specification	head length	Quantity	Weight (kg)	Remark
Bolt 8.8S						
	M12	M12x40	35	8		2 nuts 1 flat washer
	M12	M12x45	40	20		2 nuts 1 flat washer
	M16	M16x50	45	16		2 nuts 1 flat washer
	M16	M16x55	55	32		2 nuts 1 flat washer
	M16	M16x75	65	88		2 nuts 1 flat washer
	M20	M20x65	55	32		2 nuts 1 flat washer
	M20	M20x75	65	104		2 nuts 1 flat washer

BOLT SYMBOL LIST

⊙ M27
⊙ M24
⊙ M20
⊙ M16
⊙ M12

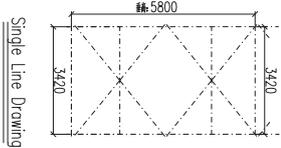
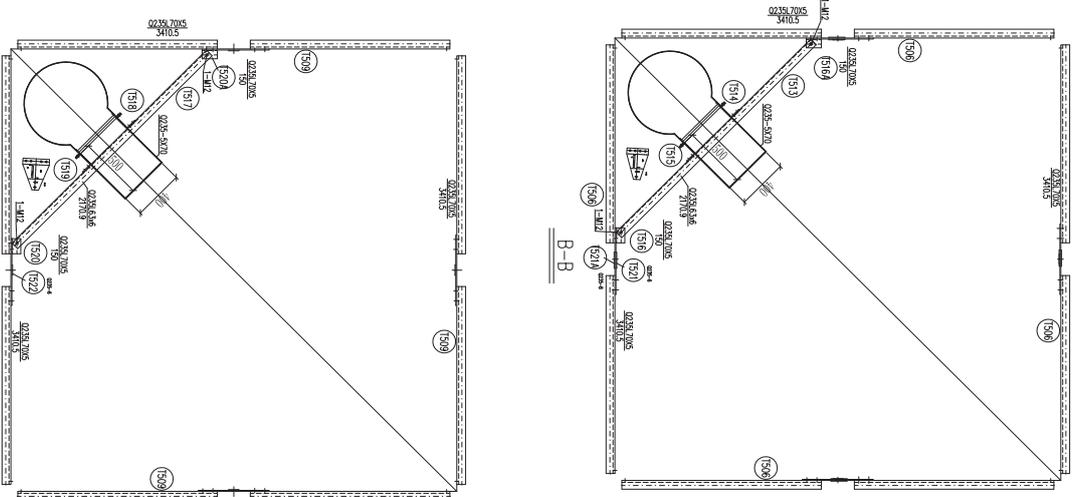
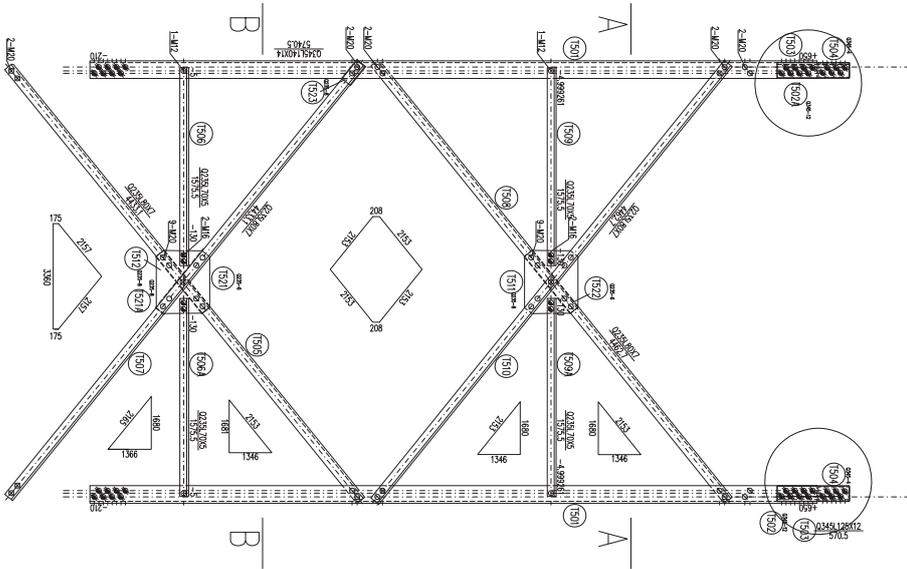
Qingdao Sinoastro Technology Co., Ltd

Design	W8.0	Name	PSA 112m EPA 10sqm 40m/s 15-011-003	Rate	1:1
Draught	Miss			Seal	T4
Confirm				Date	11.6.2015
Audit					
Appro.					7/26

BOLT SYMBOL LIST



Bolts, Shockles and Washers List			
Name	Grade	Specification	Remark
Bolt 835	M12x45	40	2 nuts 1 for washer
	M12x55	50	2 nuts 1 for washer
	M16x65	55	2 nuts 1 for washer
	M16x75	75	2 nuts 1 for washer
	M20x75	55	2 nuts 1 for washer
	M20x80	65	2 nuts 1 for washer
	M20x90	55	2 nuts 1 for washer
	M20x90	55	2 nuts 1 for washer
	M20x90	55	2 nuts 1 for washer
	M20x90	55	2 nuts 1 for washer

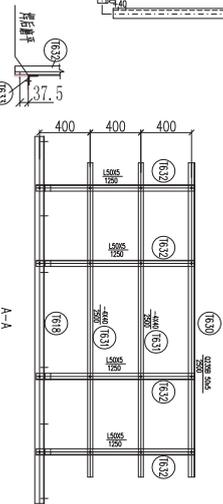
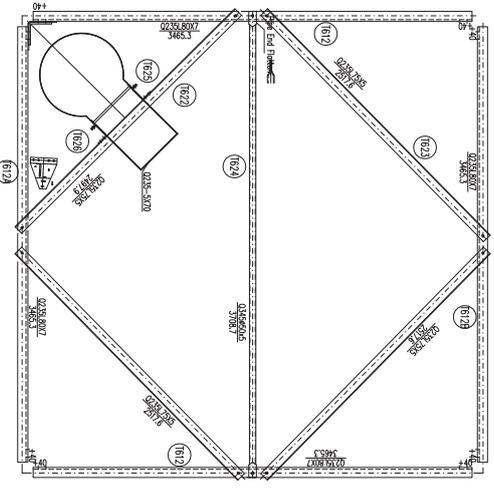
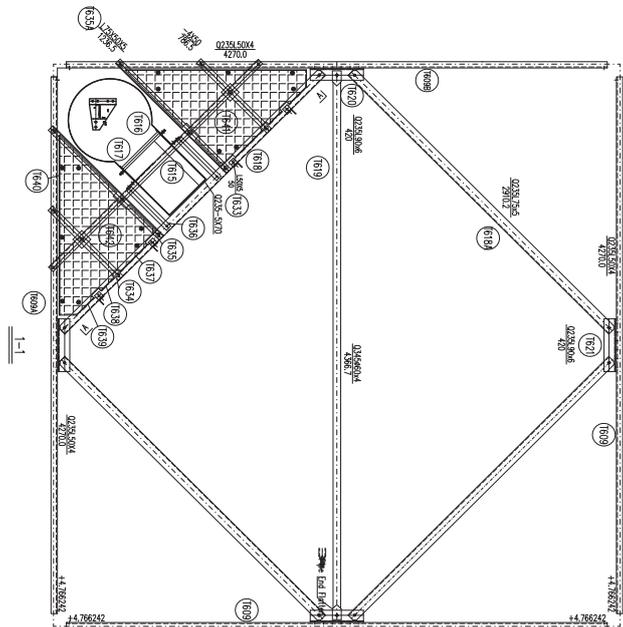
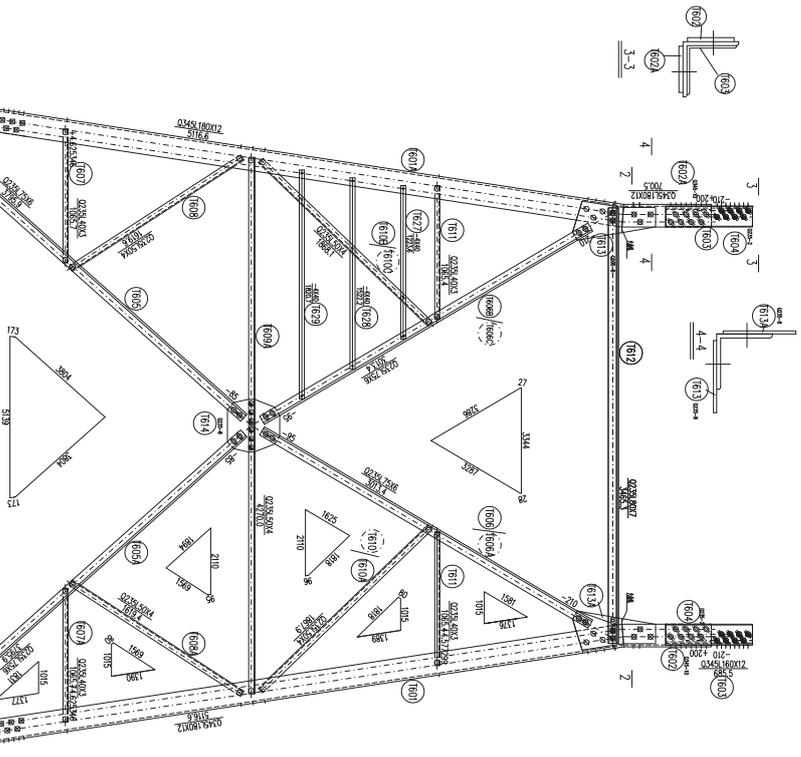


Single Line Drawing

Hold Stamp No.	Grade	Size	Length(m)	Weight(kg)		Note	
				pcs	Total		
11291-1501-4	1350	Q235B	1140x14	5740	4	168.27	577.08
11291-1502-5	1350	Q235B	570x120	570	4	68.44	273.76
11291-1502-5	1350	Q235B	570x120	570	4	12.94	51.76
11291-1503-4	1350	Q235B	1125x12	570	4	0.85	3.40
11291-1504-5	1350	Q235B	245x11	8	37.79	151.16	151.16
11291-1505-0	1350	Q235B	180x7	4	8.50	34.00	34.00
11291-1506-0	1350	Q235B	170x5	4	37.79	151.16	151.16
11291-1507-0	1350	Q235B	170x5	4	8.50	34.00	34.00
11291-1508-0	1350	Q235B	180x7	4	38.04	152.16	152.16
11291-1509-0	1350	Q235B	170x5	4	8.50	34.00	34.00
11291-1510-0	1350	Q235B	170x5	4	8.50	34.00	34.00
11291-1511-0	1350	Q235B	180x7	4	38.04	152.16	152.16
11291-1512-5	1312	Q235B	502x422	4	13.30	53.20	53.20
11291-1513-4	1313	Q235B	2171	1	12.42	12.42	12.42
11291-1514-5	1314	Q235B	170x248	1	1.99	1.99	1.99
11291-1515-5	1315	Q235B	170x248	1	0.65	0.65	0.65
11291-1516-4	1316	Q235B	170x5	120	1.99	1.99	1.99
11291-1517-4	1317	Q235B	170x5	120	1.99	1.99	1.99
11291-1518-5	1318	Q235B	210x248	1	12.42	12.42	12.42
11291-1519-5	1319	Q235B	210x248	1	2.45	2.45	2.45
11291-1520-4	1320	Q235B	170x5	120	0.65	0.65	0.65
11291-1521-5	1321	Q235B	170x5	120	0.65	0.65	0.65
11291-1522-5	1322	Q235B	170x5	120	2.49	11.64	11.64
11291-1523-5	1323	Q235B	170x5	120	2.19	8.76	8.76
11291-1524-5	1324	Q235B	170x5	120	1.60	4.38	4.38

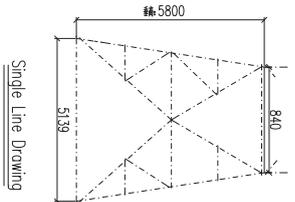
Member List

Design		V8.0		Name		Qingdao Sinoestro Technology Co., Ltd	
Drawn		Miss		KSA 112m EPL 10sqm/40m/s 15-011-003		Rate	
Confirm						1:1	
Audit				Body T5 Struct View		Sect.	
Appro.						T5	
						Date	
						11.6.2015	
						NO	
						8/26	



Member Stamp No.	Grade	Size Length (mm)	Qty	Weight (kg)	Note		
			pcs	Total			
1120-1010-1	B101	925181	1183A 12	5804	3	106.45	577.35
1120-1010-2	B102	425181	1202A 12	625855	4	8.87	33.48
1120-1010-3	B103	425181	1202A 12	625855	4	8.87	33.48
1120-1010-4	B104	425181	1202A 12	625855	4	8.87	33.48
1120-1010-5	B105	425181	1202A 12	625855	4	8.87	33.48
1120-1010-6	B106	425181	1202A 12	625855	4	8.87	33.48
1120-1010-7	B107	425181	1202A 12	625855	4	8.87	33.48
1120-1010-8	B108	425181	1202A 12	625855	4	8.87	33.48
1120-1010-9	B109	425181	1202A 12	625855	4	8.87	33.48
1120-1010-10	B110	425181	1202A 12	625855	4	8.87	33.48
1120-1010-11	B111	425181	1202A 12	625855	4	8.87	33.48
1120-1010-12	B112	425181	1202A 12	625855	4	8.87	33.48
1120-1010-13	B113	425181	1202A 12	625855	4	8.87	33.48
1120-1010-14	B114	425181	1202A 12	625855	4	8.87	33.48
1120-1010-15	B115	425181	1202A 12	625855	4	8.87	33.48
1120-1010-16	B116	425181	1202A 12	625855	4	8.87	33.48
1120-1010-17	B117	425181	1202A 12	625855	4	8.87	33.48
1120-1010-18	B118	425181	1202A 12	625855	4	8.87	33.48
1120-1010-19	B119	425181	1202A 12	625855	4	8.87	33.48
1120-1010-20	B120	425181	1202A 12	625855	4	8.87	33.48
1120-1010-21	B121	425181	1202A 12	625855	4	8.87	33.48
1120-1010-22	B122	425181	1202A 12	625855	4	8.87	33.48
1120-1010-23	B123	425181	1202A 12	625855	4	8.87	33.48
1120-1010-24	B124	425181	1202A 12	625855	4	8.87	33.48
1120-1010-25	B125	425181	1202A 12	625855	4	8.87	33.48
1120-1010-26	B126	425181	1202A 12	625855	4	8.87	33.48
1120-1010-27	B127	425181	1202A 12	625855	4	8.87	33.48
1120-1010-28	B128	425181	1202A 12	625855	4	8.87	33.48
1120-1010-29	B129	425181	1202A 12	625855	4	8.87	33.48
1120-1010-30	B130	425181	1202A 12	625855	4	8.87	33.48
1120-1010-31	B131	425181	1202A 12	625855	4	8.87	33.48
1120-1010-32	B132	425181	1202A 12	625855	4	8.87	33.48
1120-1010-33	B133	425181	1202A 12	625855	4	8.87	33.48
1120-1010-34	B134	425181	1202A 12	625855	4	8.87	33.48
1120-1010-35	B135	425181	1202A 12	625855	4	8.87	33.48
1120-1010-36	B136	425181	1202A 12	625855	4	8.87	33.48
1120-1010-37	B137	425181	1202A 12	625855	4	8.87	33.48
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1120-1010-39	B139	425181	1202A 12	625855	4	8.87	33.48
1120-1010-40	B140	425181	1202A 12	625855	4	8.87	33.48
1120-1010-41	B141	425181	1202A 12	625855	4	8.87	33.48
1120-1010-42	B142	425181	1202A 12	625855	4	8.87	33.48
1120-1010-43	B143	425181	1202A 12	625855	4	8.87	33.48
1120-1010-44	B144	425181	1202A 12	625855	4	8.87	33.48
1120-1010-45	B145	425181	1202A 12	625855	4	8.87	33.48
1120-1010-46	B146	425181	1202A 12	625855	4	8.87	33.48
1120-1010-47	B147	425181	1202A 12	625855	4	8.87	33.48
1120-1010-48	B148	425181	1202A 12	625855	4	8.87	33.48
1120-1010-49	B149	425181	1202A 12	625855	4	8.87	33.48
1120-1010-50	B150	425181	1202A 12	625855	4	8.87	33.48
1120-1010-51	B151	425181	1202A 12	625855	4	8.87	33.48
1120-1010-52	B152	425181	1202A 12	625855	4	8.87	33.48
1120-1010-53	B153	425181	1202A 12	625855	4	8.87	33.48
1120-1010-54	B154	425181	1202A 12	625855	4	8.87	33.48
1120-1010-55	B155	425181	1202A 12	625855	4	8.87	33.48
1120-1010-56	B156	425181	1202A 12	625855	4	8.87	33.48
1120-1010-57	B157	425181	1202A 12	625855	4	8.87	33.48
1120-1010-58	B158	425181	1202A 12	625855	4	8.87	33.48
1120-1010-59	B159	425181	1202A 12	625855	4	8.87	33.48
1120-1010-60	B160	425181	1202A 12	625855	4	8.87	33.48
1120-1010-61	B161	425181	1202A 12	625855	4	8.87	33.48
1120-1010-62	B162	425181	1202A 12	625855	4	8.87	33.48
1120-1010-63	B163	425181	1202A 12	625855	4	8.87	33.48
1120-1010-64	B164	425181	1202A 12	625855	4	8.87	33.48
1120-1010-65	B165	425181	1202A 12	625855	4	8.87	33.48
1120-1010-66	B166	425181	1202A 12	625855	4	8.87	33.48
1120-1010-67	B167	425181	1202A 12	625855	4	8.87	33.48
1120-1010-68	B168	425181	1202A 12	625855	4	8.87	33.48
1120-1010-69	B169	425181	1202A 12	625855	4	8.87	33.48
1120-1010-70	B170	425181	1202A 12	625855	4	8.87	33.48
1120-1010-71	B171	425181	1202A 12	625855	4	8.87	33.48
1120-1010-72	B172	425181	1202A 12	625855	4	8.87	33.48
1120-1010-73	B173	425181	1202A 12	625855	4	8.87	33.48
1120-1010-74	B174	425181	1202A 12	625855	4	8.87	33.48
1120-1010-75	B175	425181	1202A 12	625855	4	8.87	33.48
1120-1010-76	B176	425181	1202A 12	625855	4	8.87	33.48
1120-1010-77	B177	425181	1202A 12	625855	4	8.87	33.48
1120-1010-78	B178	425181	1202A 12	625855	4	8.87	33.48
1120-1010-79	B179	425181	1202A 12	625855	4	8.87	33.48
1120-1010-80	B180	425181	1202A 12	625855	4	8.87	33.48
1120-1010-81	B181	425181	1202A 12	625855	4	8.87	33.48
1120-1010-82	B182	425181	1202A 12	625855	4	8.87	33.48
1120-1010-83	B183	425181	1202A 12	625855	4	8.87	33.48
1120-1010-84	B184	425181	1202A 12	625855	4	8.87	33.48
1120-1010-85	B185	425181	1202A 12	625855	4	8.87	33.48
1120-1010-86	B186	425181	1202A 12	625855	4	8.87	33.48
1120-1010-87	B187	425181	1202A 12	625855	4	8.87	33.48
1120-1010-88	B188	425181	1202A 12	625855	4	8.87	33.48
1120-1010-89	B189	425181	1202A 12	625855	4	8.87	33.48
1120-1010-90	B190	425181	1202A 12	625855	4	8.87	33.48
1120-1010-91	B191	425181	1202A 12	625855	4	8.87	33.48
1120-1010-92	B192	425181	1202A 12	625855	4	8.87	33.48
1120-1010-93	B193	425181	1202A 12	625855	4	8.87	33.48
1120-1010-94	B194	425181	1202A 12	625855	4	8.87	33.48
1120-1010-95	B195	425181	1202A 12	625855	4	8.87	33.48
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1120-1010-97	B197	425181	1202A 12	625855	4	8.87	33.48
1120-1010-98	B198	425181	1202A 12	625855	4	8.87	33.48
1120-1010-99	B199	425181	1202A 12	625855	4	8.87	33.48
1120-1010-100	B200	425181	1202A 12	625855	4	8.87	33.48

BOLT SYMBOL LIST

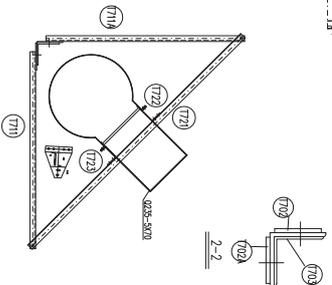
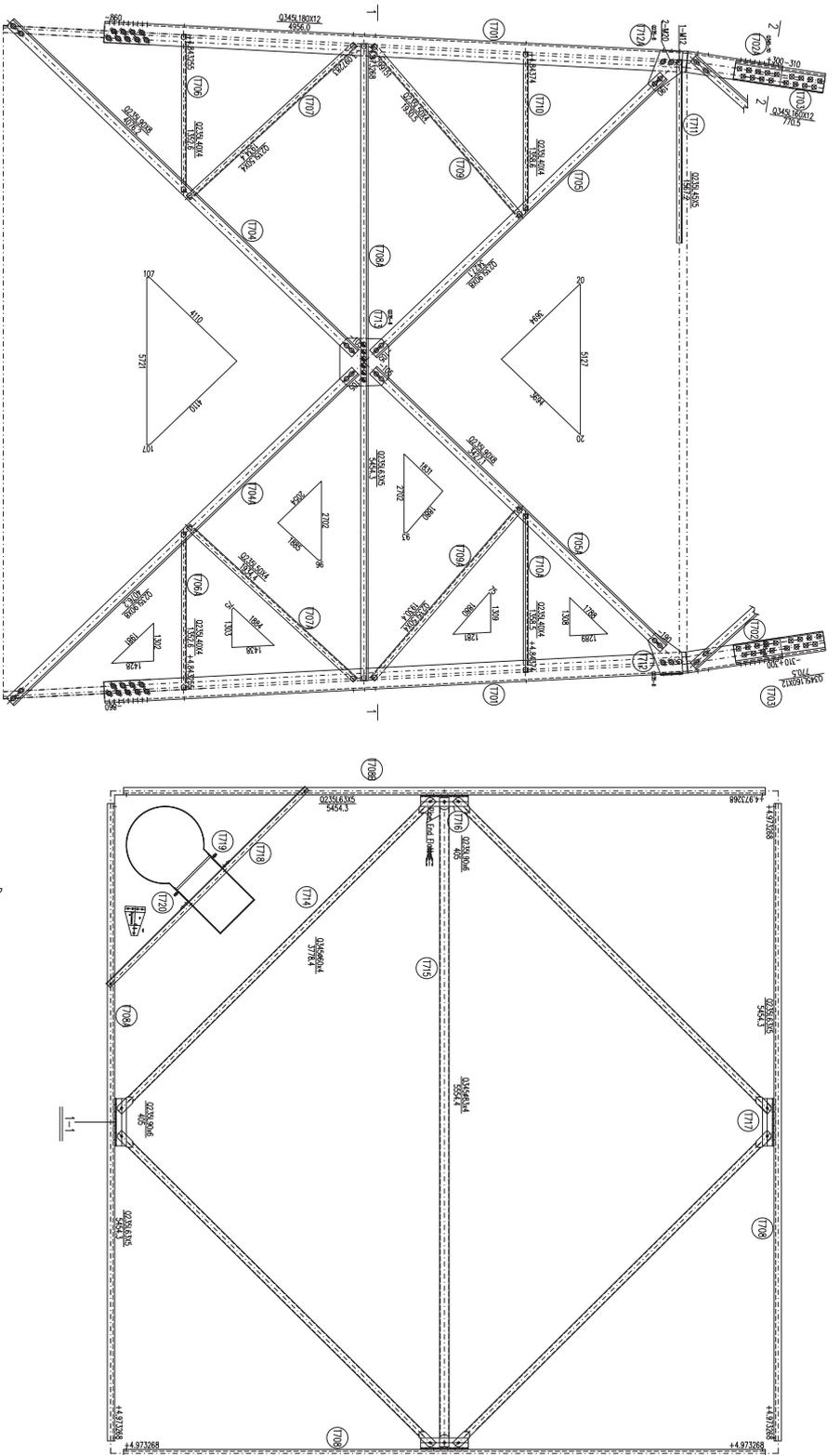


Bolts, Shackles and Washers List

Normal Grade Specification	Normal Quantity (kg)	Weight (kg)	Remark
M12X45	40	94	2 nuts 1 flat washer
M12X50	45	46	2 nuts 1 flat washer
M16X55	45	32	2 nuts 1 flat washer
M16X65	55	24	2 nuts 1 flat washer
M16X85	75	64	2 nuts 1 flat washer
M20X65	55	48	2 nuts 1 flat washer
M20X73	63	49	2 nuts 1 flat washer
M20X85	70	16	2 nuts 1 flat washer
M20X95	80	64	2 nuts 1 flat washer
steel grading clip	1	set	

Qingdao Sinoestro Technology Co., Ltd

Design	V8.0	Name	KSA 112m EPL 10sqm/40m/s 15-011-003
Drawn	Miss	Rate	1:1
Confirm		Sect.	T6
Audit		Date	11.6.2015
Appro.		NO	9/26



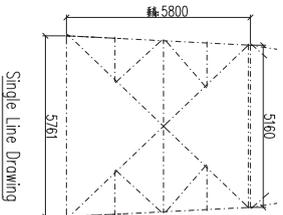
Member list

Hard Stmple	Grade	Size	Length(mm)	QTY	Weight(kg)		Note
					pcs	Total	
1120c-T701-24	T701	Q235B	11801.12	5715	4	101.40	576.06
1120c-T702-25	T702	Q235B	14002.70	4	8.46	33.84	33.84
1120c-T702a-25	T702a	Q235B	14002.70	4	8.46	33.84	33.84
1120c-T703-4	T703	Q235B	11604.12	4	22.63	90.52	
1120c-T703-3	T703	Q235B	11908.18	4	44.62	178.48	
1120c-T703-4	T704	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T705	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T706	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T707	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T708	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T709	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T710	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T711	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T712	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T713	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T714	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T715	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T716	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T717	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T718	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T719	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T720	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T721	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T722	Q235B	14976	4	44.62	178.48	
1120c-T703-4	T723	Q235B	14976	4	44.62	178.48	
TOTAL					-6	2.45	2.45

Bolts, Shackles and Washers List

Name	Grade	Specification	Height	Quantity	Weight (kg)	Remark
Bolt 8.8s						
M12x45			40	28		2 nuts 1 flat washer
M12x50			45	172		2 nuts 1 flat washer
M12x55			50	8		2 nuts 1 flat washer
M16x65			55	34		2 nuts 1 flat washer
M20x75			65	80		2 nuts 1 flat washer
M20x85			70	136		2 nuts 1 flat washer

BOLT SYMBOL LIST



Qingdao Sinostro Technology Co., Ltd

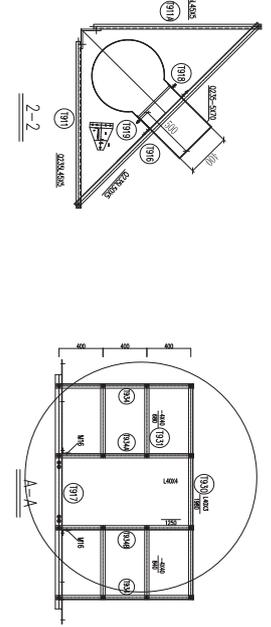
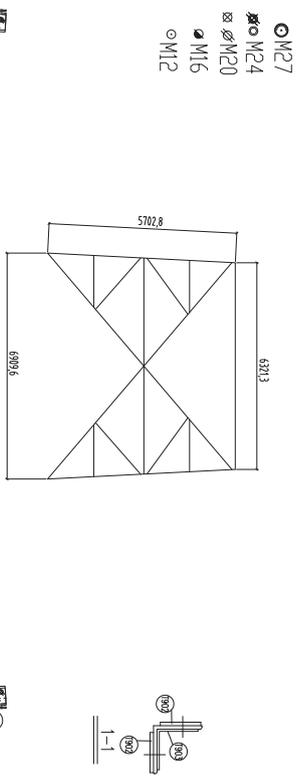
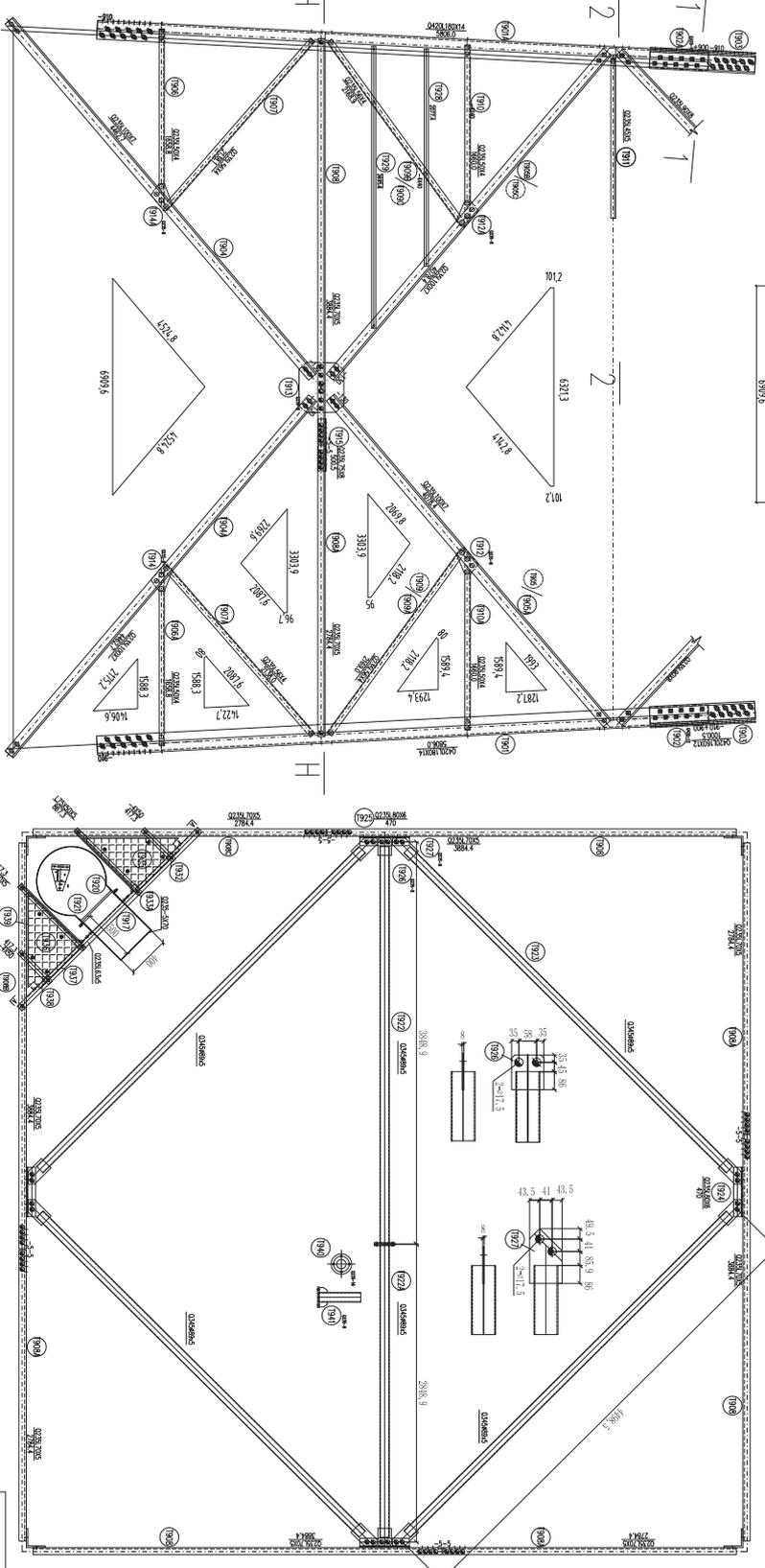
Design	V8.0	Name	KSA 112m EPL 10sqm 40m/s 15-011-003
Drawn	Miss		
Confirm			
Audit			
Appro.			
		Rate	1:1
		Sect.	T7
		Date	11.6.2015
			NO

Member List

Hard Stump #	Grade	Size Length(m)	Weight(kg)		Note	
			pcs	Total		
1120M-H1922-1	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-2	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-3	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-4	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-5	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-6	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-7	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-8	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-9	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-10	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-11	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-12	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-13	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-14	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-15	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-16	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-17	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-18	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-19	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-20	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-21	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-22	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-23	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-24	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-25	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-26	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-27	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-28	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-29	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-30	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-31	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-32	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-33	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-34	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-35	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-36	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-37	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-38	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-39	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-40	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-41	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-42	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-43	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-44	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-45	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-46	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-47	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-48	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-49	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-50	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-51	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-52	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-53	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-54	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-55	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-56	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-57	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-58	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-59	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-60	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-61	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-62	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-63	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-64	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-65	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-66	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-67	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-68	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-69	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-70	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-71	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-72	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-73	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-74	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-75	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-76	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-77	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-78	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-79	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-80	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-81	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-82	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-83	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-84	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-85	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-86	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-87	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-88	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-89	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-90	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-91	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-92	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-93	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-94	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-95	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-96	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-97	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-98	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-99	1301	4252.01	1.030	4.31	6.66	4.31
1120M-H1922-100	1301	4252.01	1.030	4.31	6.66	4.31

Bolts, Shackles and Washers List

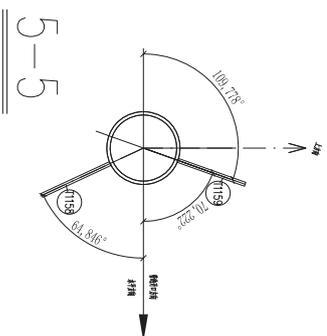
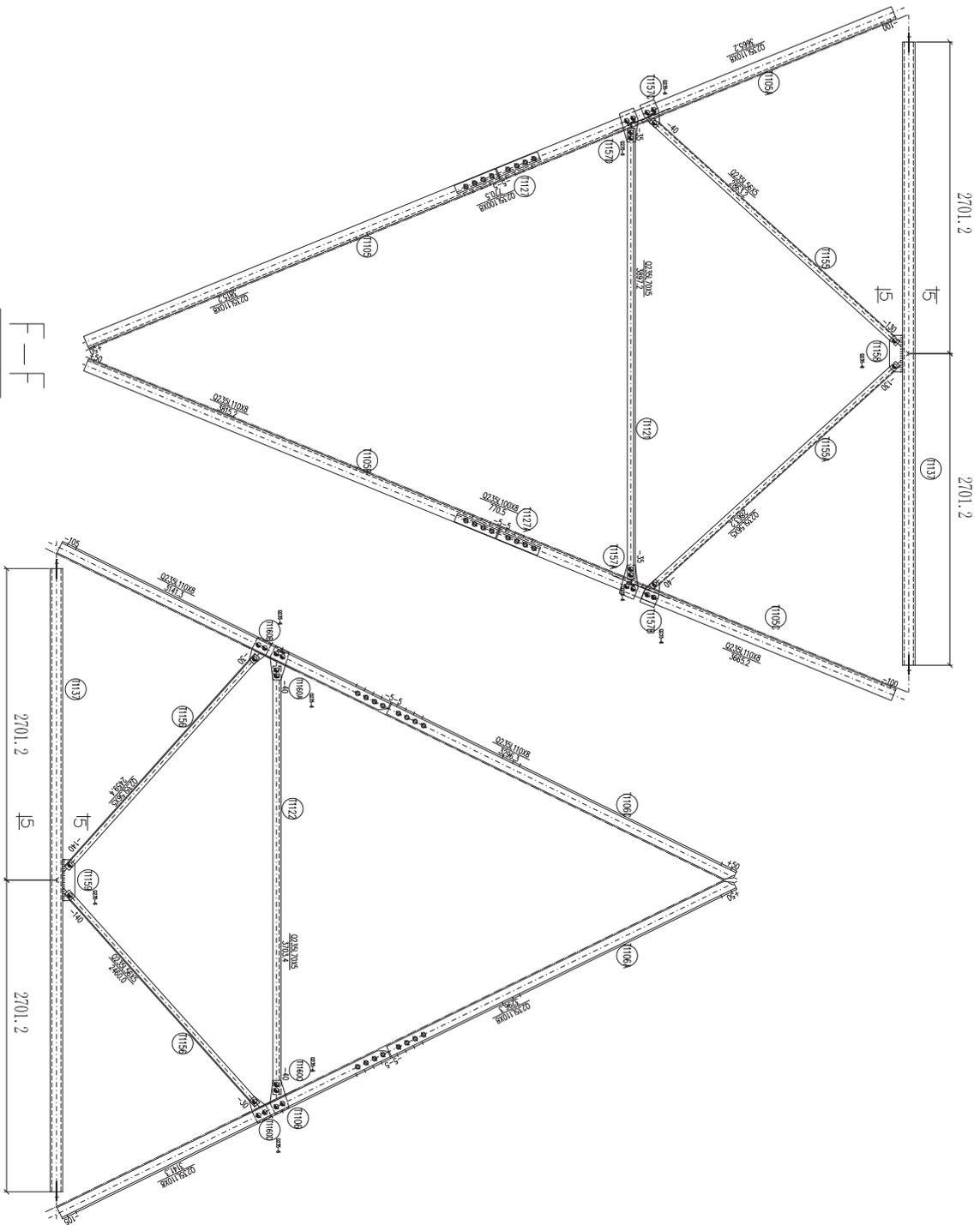
Name	Code	Specification	Unit	Quantity	Weight (kg)	Remark
Bolt	8.8S	M12x45	40	66	2.22	2 pins & 1 flat washer
		M12x50	40	96	2.70	2 pins & 1 flat washer
		M12x55	30	6	0.20	2 pins & 1 flat washer
		M10x55	49	32	4.82	2 pins & 1 flat washer
		M10x55	39	96	4.25	2 pins & 1 flat washer
		M10x55	62	4	0.78	2 pins & 1 flat washer
		M10x55	52	32	3.72	2 pins & 1 flat washer
		M10x55	49	32	3.72	2 pins & 1 flat washer
		M10x55	79	80	10.88	2 pins & 1 flat washer
		M12x45	12	80	4.25	2 pins & 1 flat washer
						Steel drilling chip



青岛圣斯特科技有限公司
Qingdao Simistro Technology Co., Ltd

设计: V8.0
制图: Miss
审核: T 9
日期: 11.6.2015

名称: R54 112m EPA 10sqm 40m/s 15-011-003
视图: Body 19 Struct View
比例: 1:1
批准: 12/26



Qingdao Sinostro Technology Co., Ltd

Design	V8.0	Name	PSA 112m EPA 10sqm 40m/s 15-011-003	Rate	1:1
Draught	Miss			Sect.	T11-2
Confirm				Date	11.6.2015
Audit				NO	15/26
Appro.					

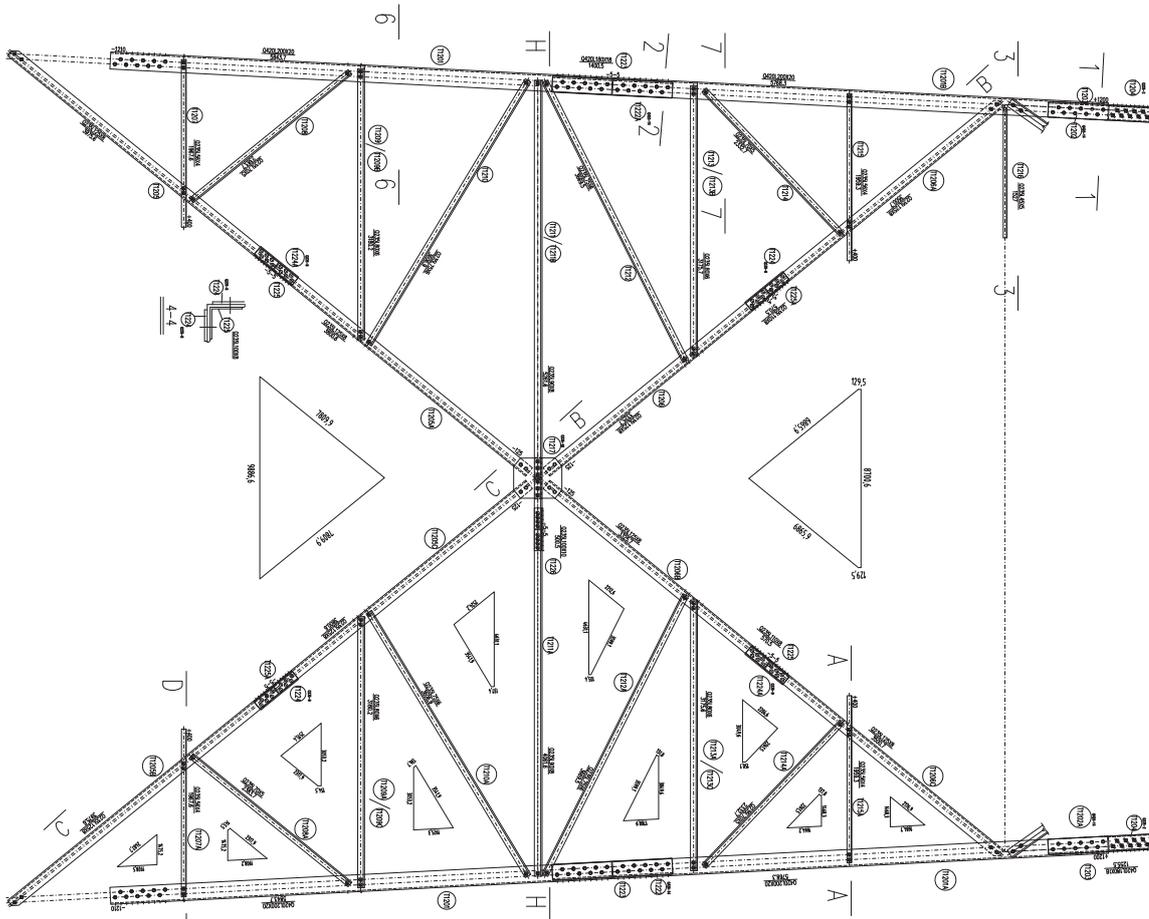
Members List

Hard Stamp	No.	Grade	Size	Length	QTY	Weight(kg)	Note
	1120-11242-C	11242	Q235B	3009	8	12.79	102.32
	1120-11243-C	11243	Q235B	1565	2708	11.51	92.08
	1120-11244-C	11244	Q235B	1453	8	1.95	7.80
	1120-11244-S	11244	Q235B	1303	225	4.1	5.52
	1120-11244-F	11244	Q235B	1433	4	1.38	8.08
	1120-11240-S	11240	Q235B	1303	225	4.2	5.64
	1120-11240-F	11240	Q235B	1303	225	4.1	5.64
	1120-11245-S	11245	Q235B	1373	285	4.1	5.64
	1120-11245-F	11245	Q235B	1373	285	4.1	5.64
	1120-11245-S	11245	Q235B	1303	240	4.1	5.88
	1120-11248-S	11248	Q235B	1383	240	4.1	7.68
	1120-11248-F	11248	Q235B	1383	240	4.1	7.68
	1120-11247-S	11247	Q235B	1303	240	1.99	11.99
	1120-11247-F	11247	Q235B	1303	240	1.99	11.99
	1120-11248-S	11248	Q235B	1303	240	1.99	11.99
	1120-11248-F	11248	Q235B	1303	240	1.99	11.99
	1120-11248-S	11248	Q235B	2413.6	2	9.1	18.2

Hard Stamp	No.	Grade	Size	Length	QTY	Weight(kg)	Note
	1120-11201-A	11201	Q420B	1200	270	5843	4 350.91 1400.20
	1120-11201-B	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11201-C	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11201-D	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11202-A	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-B	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-C	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-D	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11203-A	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-B	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-C	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-D	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-E	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-F	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-G	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-H	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-I	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-J	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-K	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-L	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-M	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-N	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-O	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-P	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Q	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-R	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-S	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-T	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-U	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-V	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-W	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-X	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Y	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Z	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11204-A	11204	Q235B	4031	4	6.08	6.08
	1120-11204-B	11204	Q235B	4031	4	6.08	6.08
	1120-11204-C	11204	Q235B	4031	4	6.08	6.08
	1120-11204-D	11204	Q235B	4031	4	6.08	6.08
	1120-11204-E	11204	Q235B	4031	4	6.08	6.08
	1120-11204-F	11204	Q235B	4031	4	6.08	6.08
	1120-11204-G	11204	Q235B	4031	4	6.08	6.08
	1120-11204-H	11204	Q235B	4031	4	6.08	6.08
	1120-11204-I	11204	Q235B	4031	4	6.08	6.08
	1120-11204-J	11204	Q235B	4031	4	6.08	6.08
	1120-11204-K	11204	Q235B	4031	4	6.08	6.08
	1120-11204-L	11204	Q235B	4031	4	6.08	6.08
	1120-11204-M	11204	Q235B	4031	4	6.08	6.08
	1120-11204-N	11204	Q235B	4031	4	6.08	6.08
	1120-11204-O	11204	Q235B	4031	4	6.08	6.08
	1120-11204-P	11204	Q235B	4031	4	6.08	6.08
	1120-11204-Q	11204	Q235B	4031	4	6.08	6.08
	1120-11204-R	11204	Q235B	4031	4	6.08	6.08
	1120-11204-S	11204	Q235B	4031	4	6.08	6.08
	1120-11204-T	11204	Q235B	4031	4	6.08	6.08
	1120-11204-U	11204	Q235B	4031	4	6.08	6.08
	1120-11204-V	11204	Q235B	4031	4	6.08	6.08
	1120-11204-W	11204	Q235B	4031	4	6.08	6.08
	1120-11204-X	11204	Q235B	4031	4	6.08	6.08
	1120-11204-Y	11204	Q235B	4031	4	6.08	6.08
	1120-11204-Z	11204	Q235B	4031	4	6.08	6.08
	1120-11205-A	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-B	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-C	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-D	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-E	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-F	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-G	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-H	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-I	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-J	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-K	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-L	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-M	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-N	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-O	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-P	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-Q	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-R	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-S	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-T	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-U	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-V	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-W	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-X	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-Y	11205	Q235B	2491.5	4	33.49	133.96
	1120-11205-Z	11205	Q235B	2491.5	4	33.49	133.96

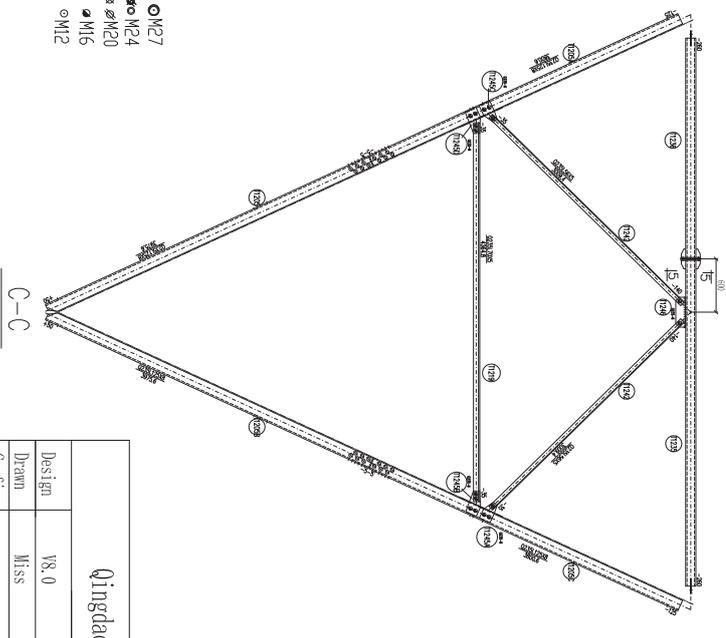
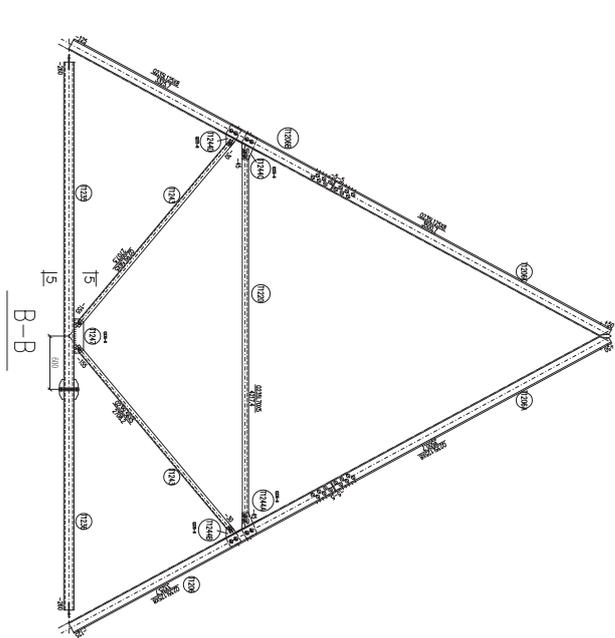
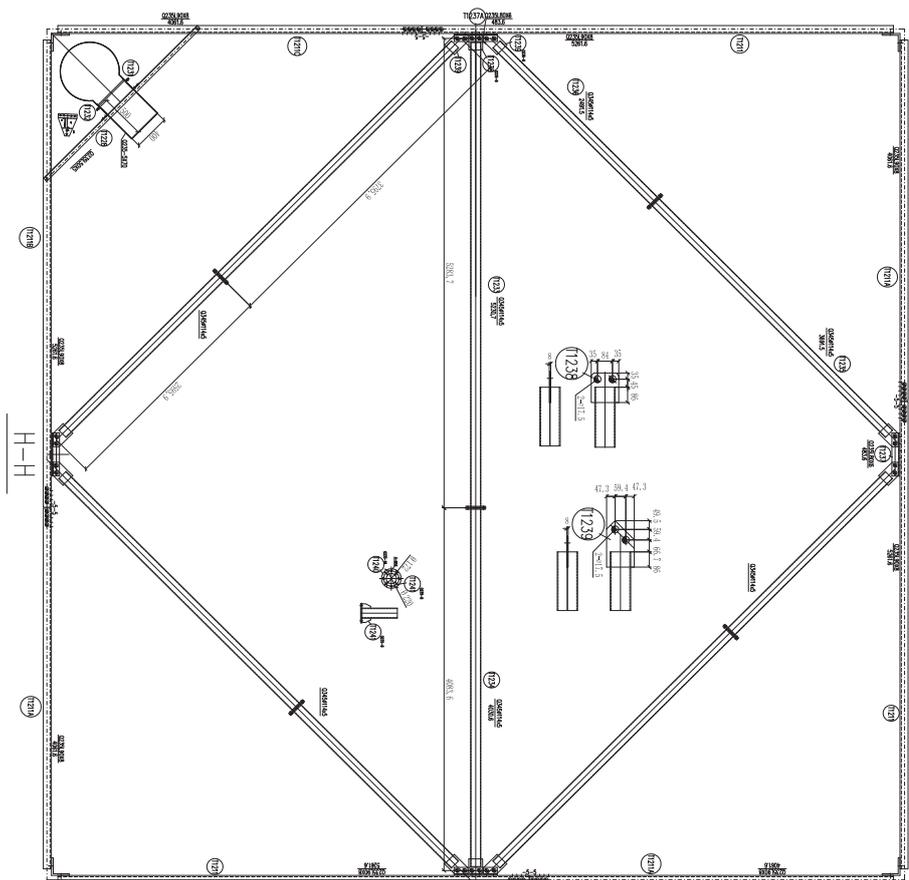
Bolts, Shackles and Washers List

Name	Grade	Specification	QTY	Weight(kg)	Remark
M2745	40	44	2	2.02	2 nuts & 1 flat washer
M2760	55	2	2	2.02	2 nuts & 1 flat washer
M2655	45	160	2	2.02	2 nuts & 1 flat washer
M2675	55	148	2	2.02	2 nuts & 1 flat washer
M2675	55	148	2	2.02	2 nuts & 1 flat washer
M2705	55	384	2	2.02	2 nuts & 1 flat washer
M2705	55	32	2	2.02	2 nuts & 1 flat washer
M2705	55	80	2	2.02	2 nuts & 1 flat washer
M27115	80	240	2	2.02	2 nuts & 1 flat washer

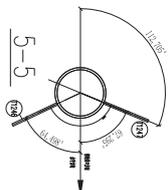


Members List

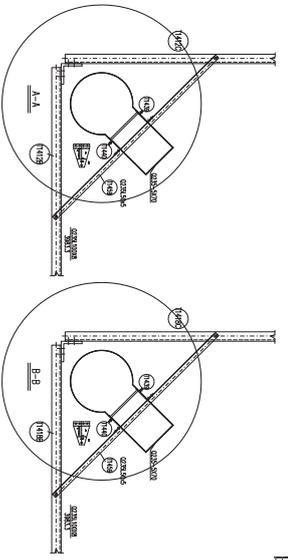
Hard Stamp	No.	Grade	Size	Length	QTY	Weight(kg)	Note
	1120-11201-A	11201	Q420B	1200	270	5843	4 350.91 1400.20
	1120-11201-B	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11201-C	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11201-D	11201	Q420B	1200	270	5788	3 346.40 1400.20
	1120-11202-A	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-B	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-C	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11202-D	11202	Q420B	1800	255	4 24.83 90.32	
	1120-11203-A	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-B	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-C	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-D	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-E	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-F	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-G	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-H	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-I	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-J	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-K	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-L	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-M	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-N	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-O	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-P	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Q	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-R	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-S	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-T	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-U	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-V	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-W	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-X	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Y	11203	Q420B	1605	510	1 1.38 11.04	
	1120-11203-Z	11203	Q420B	1605	510	1 1.38 11.04	



- M27
- ⊙ M24
- ⊙ M20
- ⊙ M16
- M12



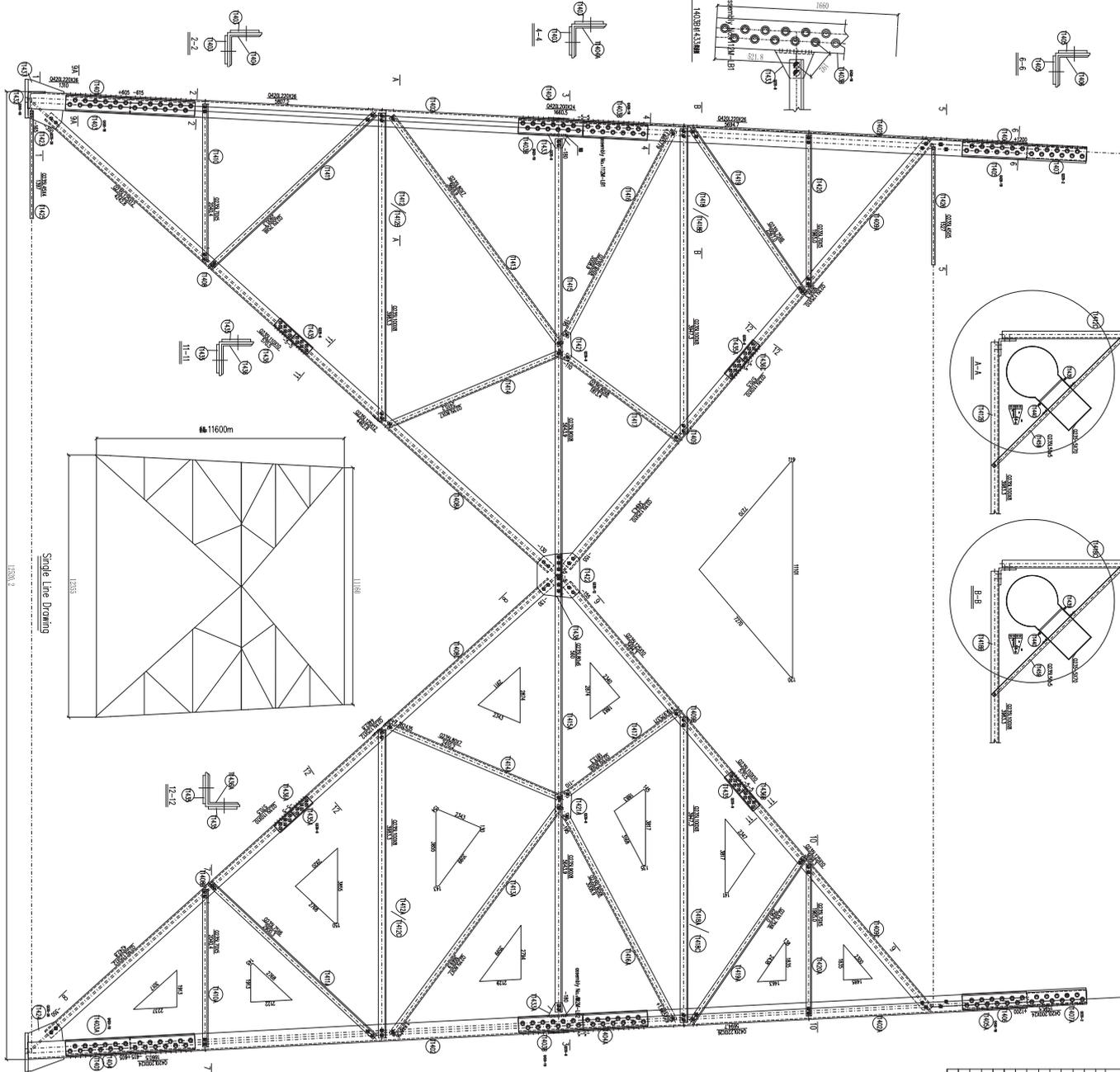
Qingdao Sinoestro Technology Co., Ltd			
Design	V8.0	Name	RSH 112m BPA 10sqm, 40m/s 15-011-003
Drawn	Miss		
Confirm			
Audit		Body	T12 Struct View
Appro.			
		Rate	1:1
		Sect.	T12
		Date	11.6.2015
		NO	17/26



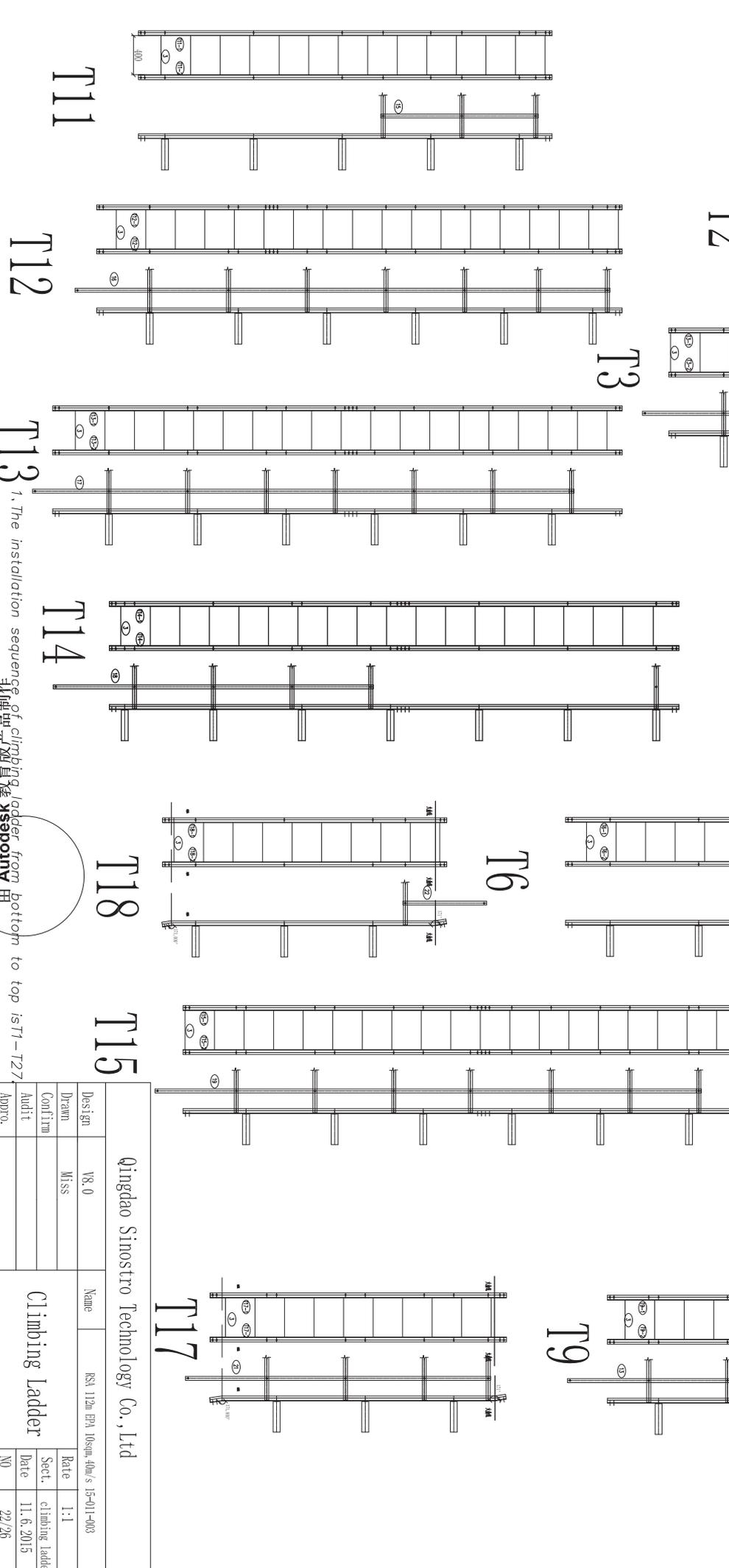
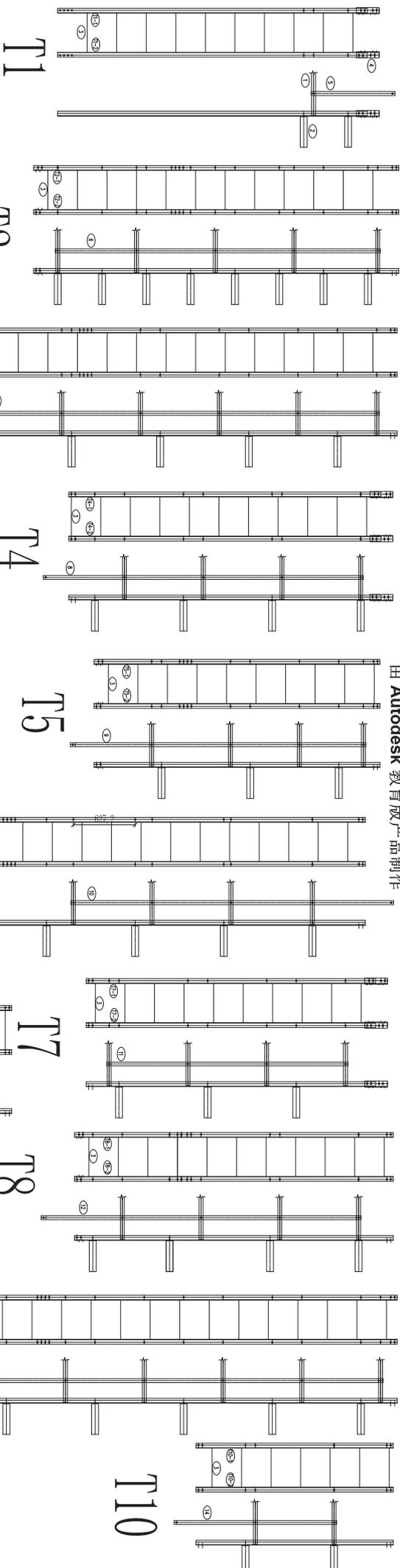
Members List				Members List			
Hard Stamp	No.	Code	Specification	Length (mm)	Quantity	Weight (kg)	Remark
	T1445	Q235B	20x16x5	2964.2	2	56.47	100-1144
	T1446	Q235B	16	2634.83	2	10.13	100-1144
	T1447	Q235B	-10	955.67	12	6.3	100-1144
	T1448	Q235B	16x3	1883.80	2	4.13	100-1144
	T1449	Q235B	16x3	2405	2	4.88	100-1144
	T1450	Q235B	14x3	1462	2	4.08	100-1144
	T1451	Q235B	50	50	2	4.08	100-1144
	T1452	Q235B	-6	1352.26	4	1.5	100-1144
	T1453	Q235B	-6	1030.18	4	1.5	100-1144
	T1454	Q235B	-6	3018.18	4	1.5	100-1144
	T1455	Q235B	16x3	3008	1	17.20	100-1144
	T1456	Q235B	16x3	3008	1	17.20	100-1144
	T1457	Q235B	16x3	3008	1	17.20	100-1144
	T1458	Q235B	16x3	3008	1	17.20	100-1144
	T1459	Q235B	16x3	3008	1	17.20	100-1144
	T1460	Q235B	16x3	3008	1	17.20	100-1144
	T1461	Q235B	16x3	3008	1	17.20	100-1144
	T1462	Q235B	16x3	3008	1	17.20	100-1144
	T1463	Q235B	16x3	3008	1	17.20	100-1144
	T1464	Q235B	16x3	3008	1	17.20	100-1144
	T1465	Q235B	16x3	3008	1	17.20	100-1144
	T1466	Q235B	16x3	3008	1	17.20	100-1144
	T1467	Q235B	16x3	3008	1	17.20	100-1144
	T1468	Q235B	16x3	3008	1	17.20	100-1144
	T1469	Q235B	16x3	3008	1	17.20	100-1144
	T1470	Q235B	16x3	3008	1	17.20	100-1144
	T1471	Q235B	16x3	3008	1	17.20	100-1144
	T1472	Q235B	16x3	3008	1	17.20	100-1144
	T1473	Q235B	16x3	3008	1	17.20	100-1144
	T1474	Q235B	16x3	3008	1	17.20	100-1144
	T1475	Q235B	16x3	3008	1	17.20	100-1144
	T1476	Q235B	16x3	3008	1	17.20	100-1144
	T1477	Q235B	16x3	3008	1	17.20	100-1144
	T1478	Q235B	16x3	3008	1	17.20	100-1144
	T1479	Q235B	16x3	3008	1	17.20	100-1144
	T1480	Q235B	16x3	3008	1	17.20	100-1144
	T1481	Q235B	16x3	3008	1	17.20	100-1144
	T1482	Q235B	16x3	3008	1	17.20	100-1144
	T1483	Q235B	16x3	3008	1	17.20	100-1144
	T1484	Q235B	16x3	3008	1	17.20	100-1144
	T1485	Q235B	16x3	3008	1	17.20	100-1144
	T1486	Q235B	16x3	3008	1	17.20	100-1144
	T1487	Q235B	16x3	3008	1	17.20	100-1144
	T1488	Q235B	16x3	3008	1	17.20	100-1144
	T1489	Q235B	16x3	3008	1	17.20	100-1144
	T1490	Q235B	16x3	3008	1	17.20	100-1144
	T1491	Q235B	16x3	3008	1	17.20	100-1144
	T1492	Q235B	16x3	3008	1	17.20	100-1144
	T1493	Q235B	16x3	3008	1	17.20	100-1144
	T1494	Q235B	16x3	3008	1	17.20	100-1144
	T1495	Q235B	16x3	3008	1	17.20	100-1144
	T1496	Q235B	16x3	3008	1	17.20	100-1144
	T1497	Q235B	16x3	3008	1	17.20	100-1144
	T1498	Q235B	16x3	3008	1	17.20	100-1144
	T1499	Q235B	16x3	3008	1	17.20	100-1144
	T1500	Q235B	16x3	3008	1	17.20	100-1144

Bolts, Shackles and Washers List

Normal Grade Specification	Member Quantity	Weight (kg)	Remark
M22x5	40	40	2 nuts & 1 flat washer
M22x5	45	50	2 nuts & 1 flat washer
M22x5	55	129	2 nuts & 1 flat washer
M22x5	65	271	2 nuts & 1 flat washer
M22x5	70	364	2 nuts & 1 flat washer
M22x5	55	20	2 nuts & 1 flat washer
M22x5	65	32	2 nuts & 1 flat washer
M22x5	75	48	2 nuts & 1 flat washer
M22x5	80	588	2 nuts & 1 flat washer



Design	VR.0	Miss	Rate	1:1
Drawn			Section	T14
Confirm			Date	11.6.2015
Audit				
Appro.				20/26



1. The installation sequence of climbing ladder from bottom to top is T1 - T27

引牌品空架身架 ksepoinly 甲

Qingdao Sinostro Technology Co., Ltd		Name	RSJ-112m EVA 10sqm/40m/s 15-011-003
Design	V8.0	Drawn	Miss
Confirm			
Audit			
Appro.			
Climbing Ladder		Rate	1:1
		Sect.	climbing ladder
		Date	11.6.2015
		NO	22/26

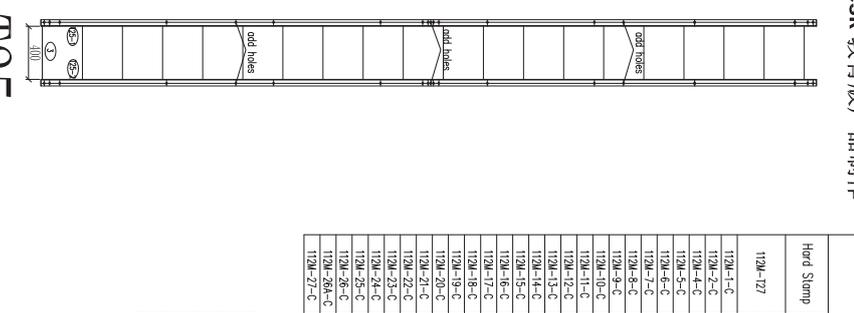
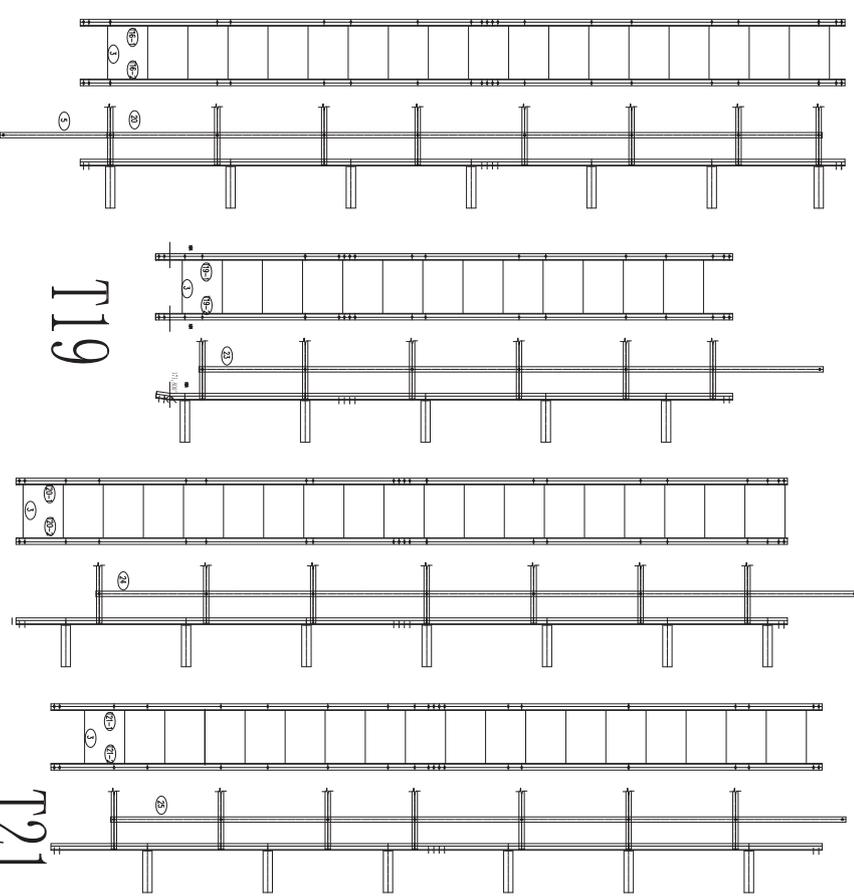
Members List

Hard Stamp	No.	Specification	Length (mm)	Shrinkage	Weight(kg)	Remark
127-1	15005	3253	1226	12.26	12.26	
127-2	15005	3253	1	12.26	12.26	assembly
127-3	400	400	10	0.66	6.6	127 pcs
120M-1-C	1	-4x40	190	128	2.4	307.2
120M-2-C	2	-5x70	150	114	4.12	469.68
120M-3-C	4	1E35	230	6	6.57	39.47
120M-4-C	5	-4x40	850	6	1.07	1.21
120M-5-C	6	-4x40	330	3	4.14	12.42
120M-7-C	7	-4x40	4850	3	6.09	18.27
120M-8-C	8	-4x40	3550	3	3.77	11.31
120M-9-C	9	-4x40	3000	3	4.08	12.24
120M-10-C	10	-4x40	3277	3	4.12	12.36
120M-11-C	11	-4x40	2450	3	3.08	9.24
120M-12-C	12	-4x40	3250	3	4.08	12.24
120M-13-C	13	-4x40	5650	3	7.10	21.3
120M-14-C	14	-4x40	1650	3	2.07	6.21
120M-15-C	15	-4x40	1800	3	2.01	6.03
120M-16-C	16	-4x40	3250	3	6.83	20.49
120M-17-C	17	-4x40	5500	3	6.90	20.73
120M-18-C	18	-4x40	3250	3	4.08	12.24
120M-19-C	19	-4x40	5550	3	6.97	20.91
120M-20-C	20	-4x40	3100	3	6.72	20.16
120M-21-C	21	-4x40	3100	3	3.98	11.97
120M-22-C	22	-4x40	4670	3	5.87	17.61
120M-23-C	23	-4x40	4670	3	1.07	1.39
120M-24-C	24	-4x40	5700	3	7.16	21.48
120M-25-C	25	-4x40	5500	3	6.30	20.73
120M-26-C	26	-4x40	3250	3	4.08	12.24
120M-28-C	28A	-4x40	2350	3	3.03	9.09
120M-28-C	28B	-4x40	850	3	1.07	3.21

Members List

Bolts, Shackles and Washers List

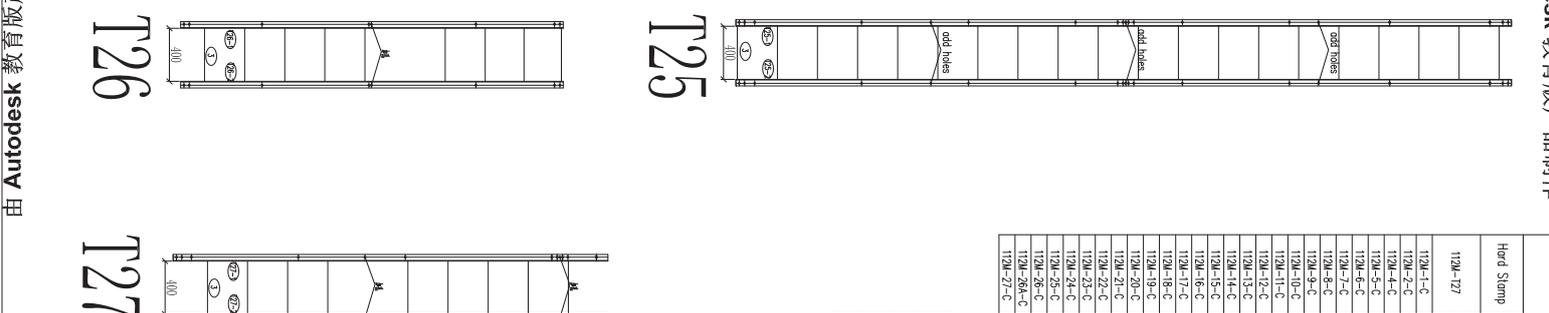
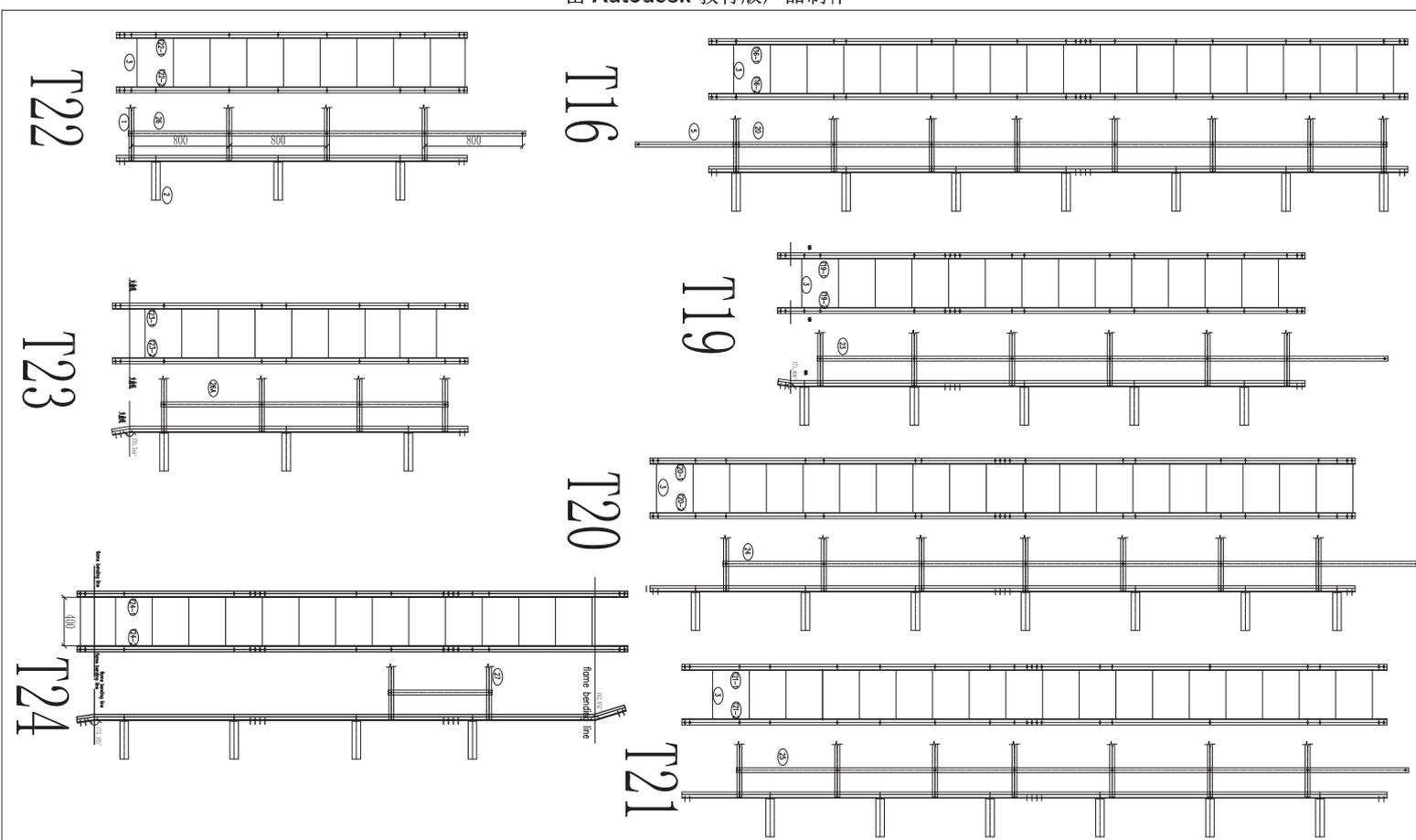
Name	Grade	Specification	Weight (kg)	Remark
Bolt	8.8S	M12x45	6.55	2 units 1 flat washer
		M12x40	3.18	2 units 1 flat washer
Total				



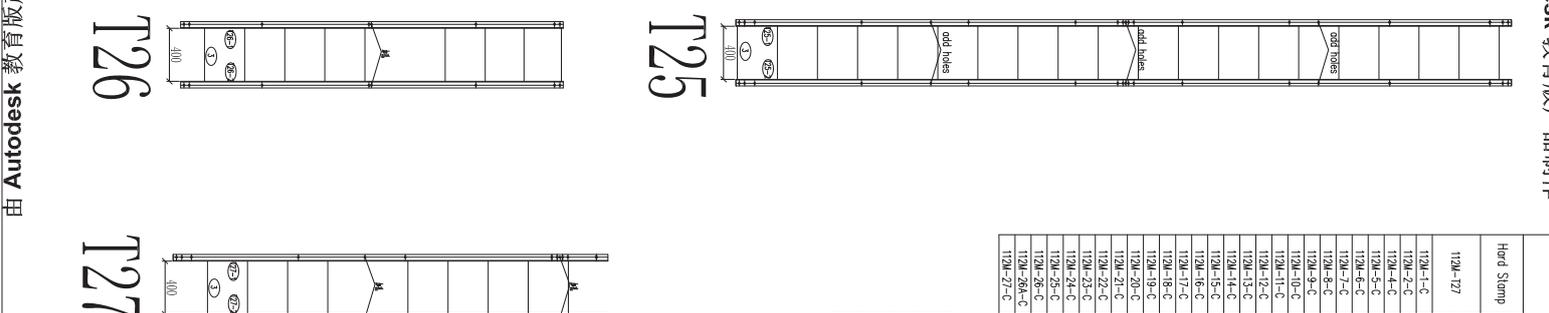
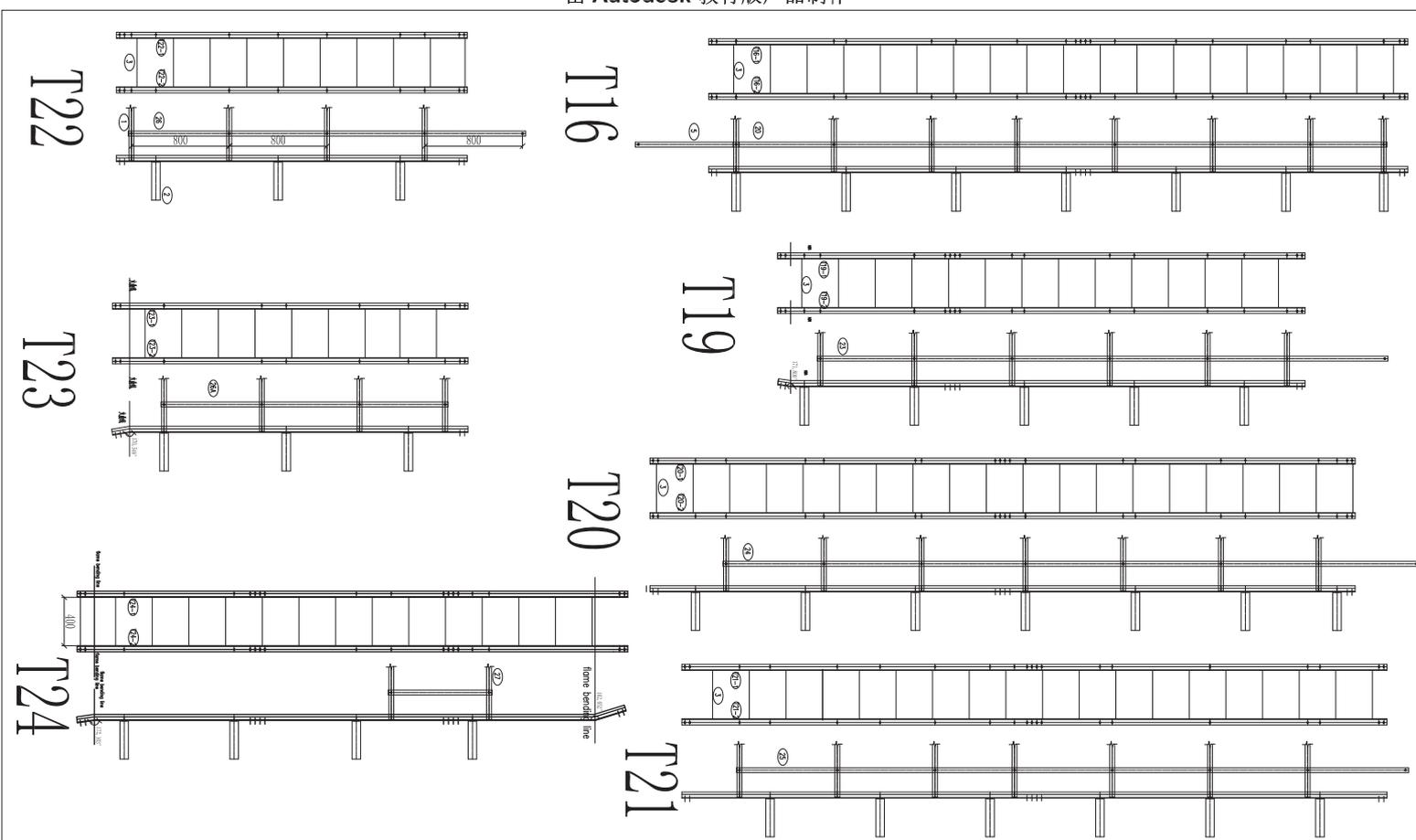
Hard Stamp	No.	Specification	Length (mm)	Shrinkage	Weight(kg)	Remark
124-11	15005	3145	11.86	11.86	11.86	assembly
124-11	15005	3145	1	11.86	11.86	assembly
124-11	400	400	10	0.66	6.60	11 pcs
124-12	15005	3708.2	11.938	13.98	13.98	assembly
124-12	15005	3708.2	1	13.98	13.98	assembly
124-12	400	400	12	0.66	7.92	12 pcs
124-13	15005	4782.8	11.796	17.96	17.96	assembly
124-13	15005	4782.8	1	17.96	17.96	assembly
124-13	400	400	16	0.66	10.56	13 pcs
124-14	15005	3169	11.965	11.96	11.96	assembly
124-14	15005	3169	1	11.96	11.96	assembly
124-14	400	400	11	0.66	7.26	14 pcs
124-15	15005	2807.8	11.094	10.94	10.94	assembly
124-15	15005	2807.8	1	10.94	10.94	assembly
124-15	400	400	10	0.66	6.6	15 pcs
124-16	15005	5489	1	20.69	20.69	assembly
124-16	15005	5489	1	20.69	20.69	assembly
124-16	400	400	18	0.66	11.88	16 pcs
124-17	15005	2938	11.108	11.08	11.08	assembly
124-17	15005	2938	1	11.08	11.08	assembly
124-17	400	400	10	0.66	6.6	17 pcs
124-18	15005	3266.2	11.220	12.20	12.20	assembly
124-18	15005	3266.2	1	12.20	12.20	assembly
124-18	400	400	18	0.66	11.88	18 pcs
124-19	15005	5387	1	20.31	20.31	assembly
124-19	15005	5387	1	20.31	20.31	assembly
124-19	400	400	18	0.66	11.88	19 pcs
124-20	15005	2002	1	7.55	7.55	assembly
124-20	15005	2002	7	0.66	4.62	assembly
124-20	400	400	1	16.94	16.94	assembly
124-21	15005	4202	1	15.94	15.94	assembly
124-21	15005	4202	1	15.94	15.94	assembly
124-21	400	400	14	0.66	9.24	11 pcs
124-22	15005	5337	1	20.12	20.12	assembly
124-22	15005	5337	1	20.12	20.12	assembly
124-22	400	400	8	0.66	5.28	112 pcs
124-23	15005	5786	1	21.81	21.81	assembly
124-23	15005	5786	1	21.81	21.81	assembly
124-23	400	400	19	0.66	12.54	113 pcs
124-24	15005	5786	1	21.81	21.81	assembly
124-24	15005	5786	1	21.81	21.81	assembly
124-24	400	400	19	0.66	12.54	114 pcs
124-25	15005	5786	1	21.81	21.81	assembly
124-25	15005	5786	1	21.81	21.81	assembly
124-25	400	400	20	0.66	13.2	115 pcs
124-26	15005	5720.5	1	21.57	21.57	assembly
124-26	15005	5720.5	1	21.57	21.57	assembly
124-26	400	400	19	0.66	12.54	116 pcs
124-27	15005	3008	1	11.34	11.34	assembly
124-27	15005	3008	1	11.34	11.34	assembly
124-27	400	400	10	0.66	6.6	117 pcs
124-28	15005	2897.5	1	10.69	10.69	assembly
124-28	15005	2897.5	1	10.69	10.69	assembly
124-28	400	400	14	0.66	9.24	118 pcs
124-29	15005	4367	1	16.27	16.27	assembly
124-29	15005	4367	1	16.27	16.27	assembly
124-29	400	400	14	0.66	9.24	119 pcs
124-30	15005	5710	1	21.75	21.75	assembly
124-30	15005	5710	1	21.75	21.75	assembly
124-30	400	400	20	0.66	13.2	120 pcs
124-31	15005	5710	1	21.75	21.75	assembly
124-31	15005	5710	1	21.75	21.75	assembly
124-31	400	400	19	0.66	12.54	121 pcs
124-32	15005	2870	1	10.82	10.82	assembly
124-32	15005	2870	1	10.82	10.82	assembly
124-32	400	400	10	0.66	6.6	122 pcs
124-33	15005	2988.3	1	10.96	10.96	assembly
124-33	15005	2988.3	1	10.96	10.96	assembly
124-33	400	400	9	0.66	5.94	123 pcs
124-34	15005	4533.6	1	16.98	16.98	assembly
124-34	15005	4533.6	1	16.98	16.98	assembly
124-34	400	400	15	0.66	9.9	124 pcs
124-35	15005	5818	1	21.93	21.93	assembly
124-35	15005	5818	1	21.93	21.93	assembly
124-35	400	400	20	0.66	13.2	125 pcs
124-36	15005	2862	1	10.79	10.79	assembly
124-36	15005	2862	1	10.79	10.79	assembly
124-36	400	400	10	0.66	6.6	126 pcs

Qingdao Sinostro Technology Co., Ltd

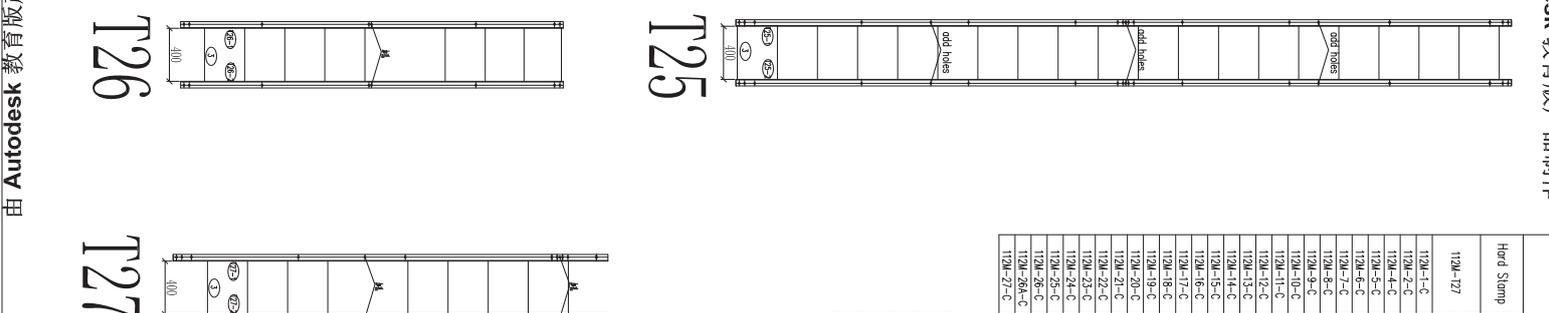
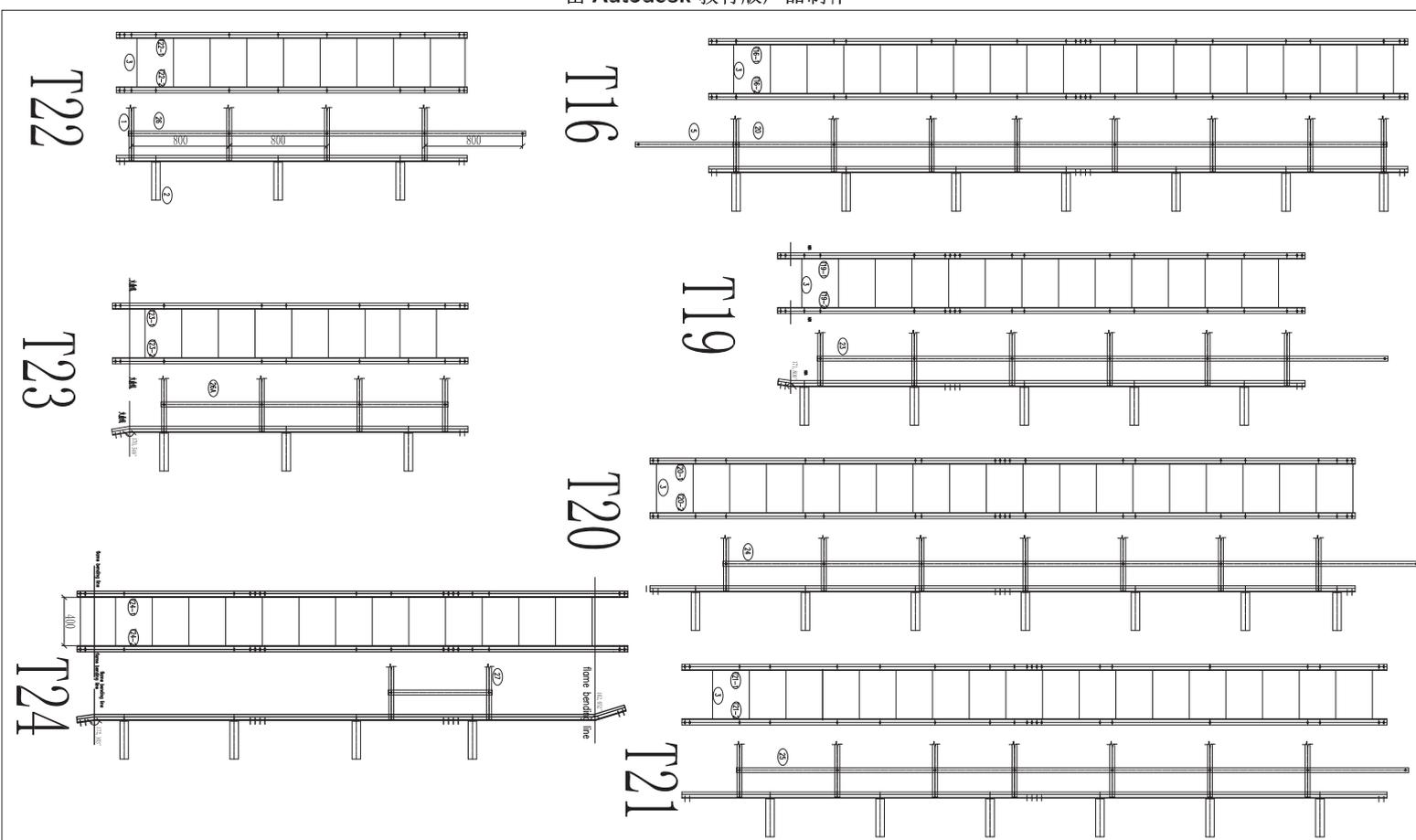
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Dream	Miss		
Confirm			
Addit			
Appro.			



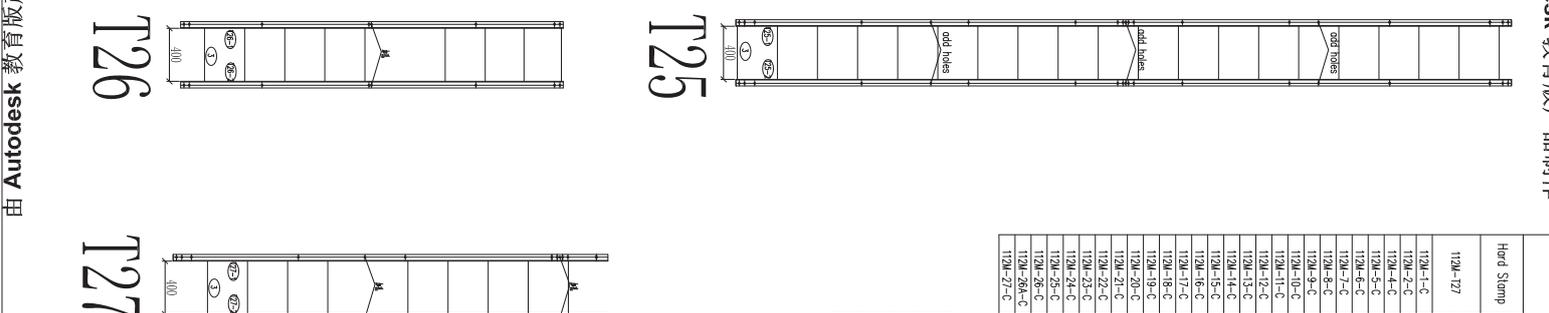
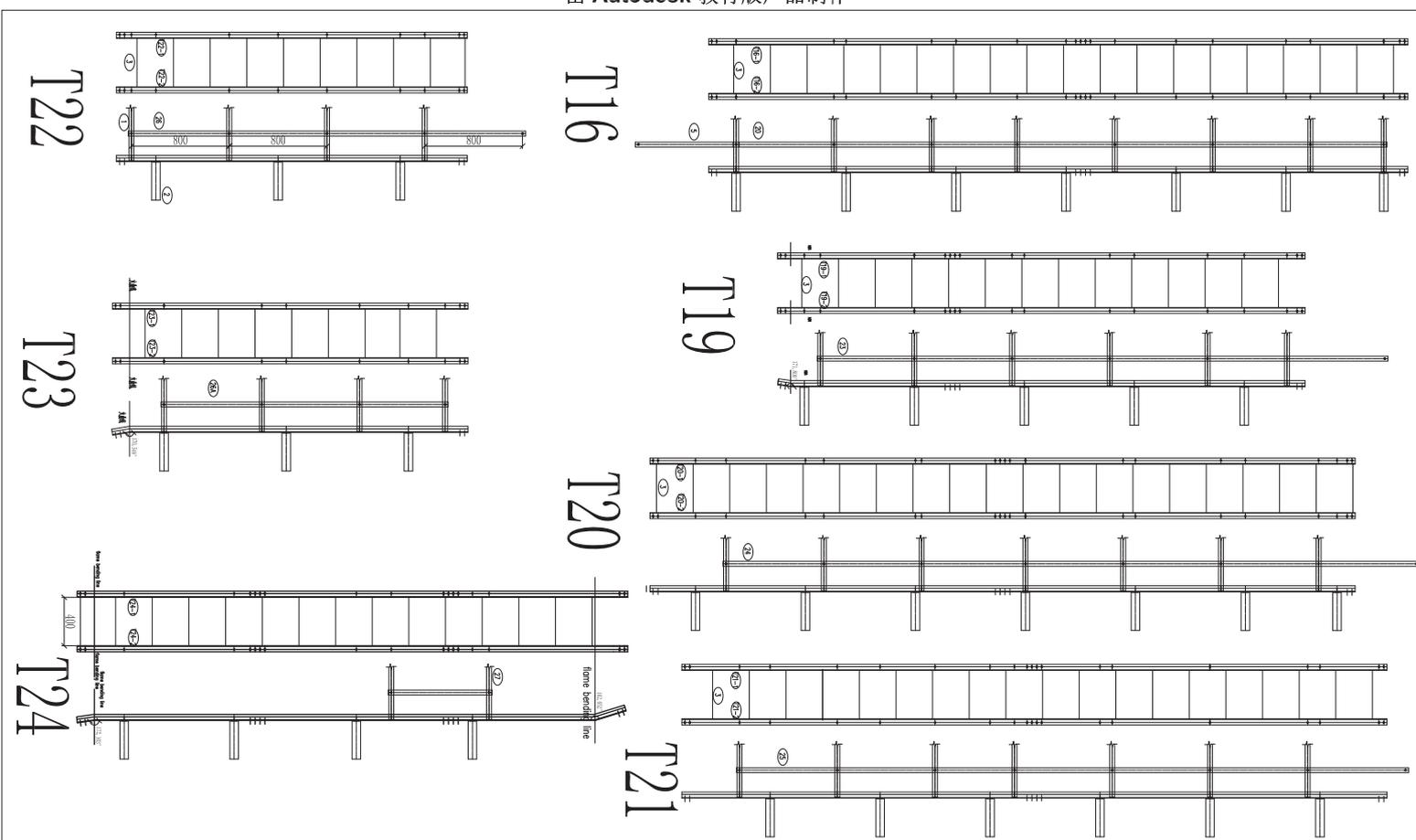
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Design	W8.0		
Dream	Miss		
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Addit			
Appro.			



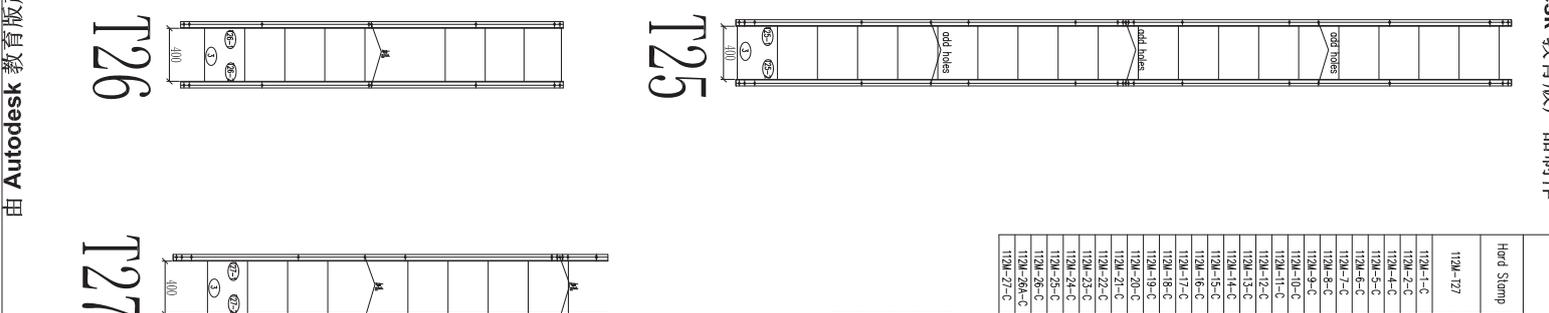
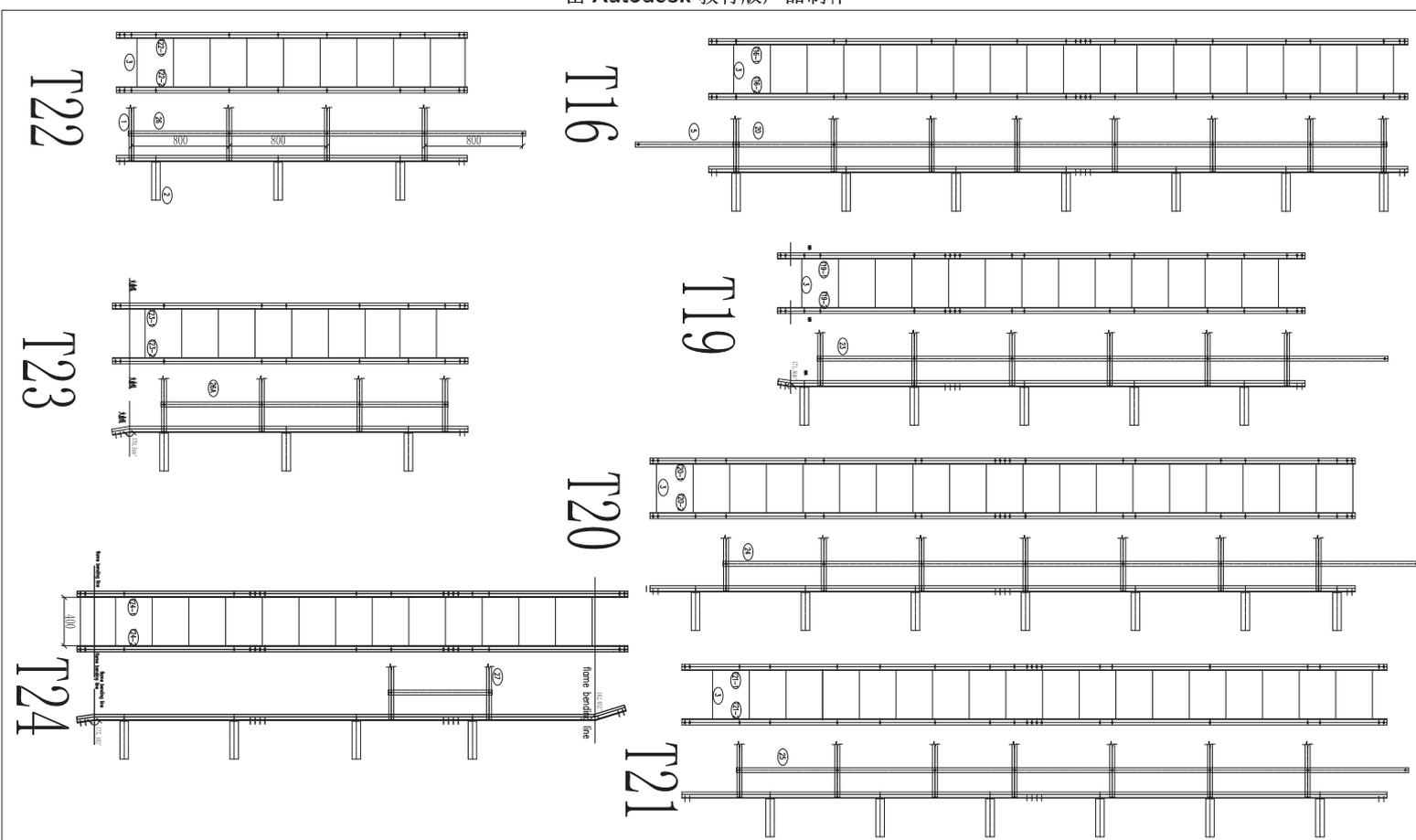
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Design	W8.0		
Dream	Miss		
Confirm			
Addit			
Appro.			



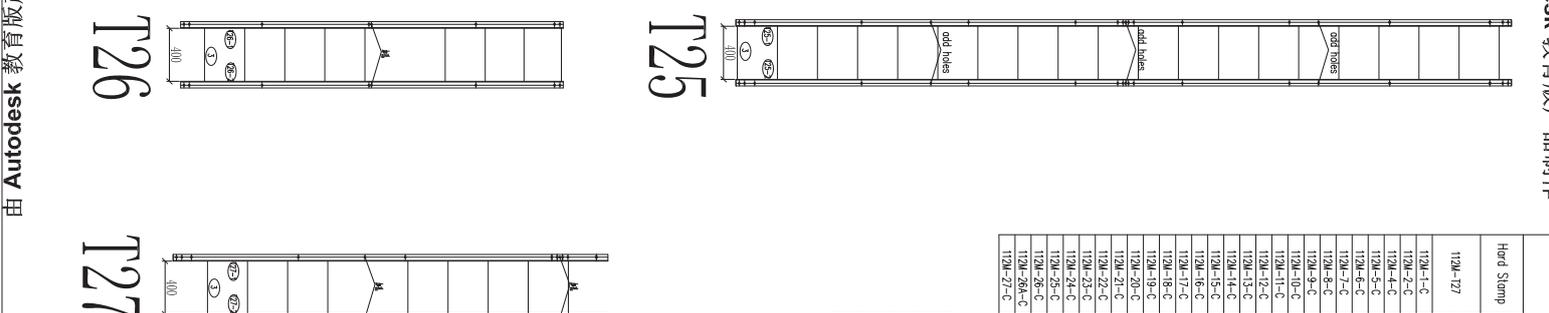
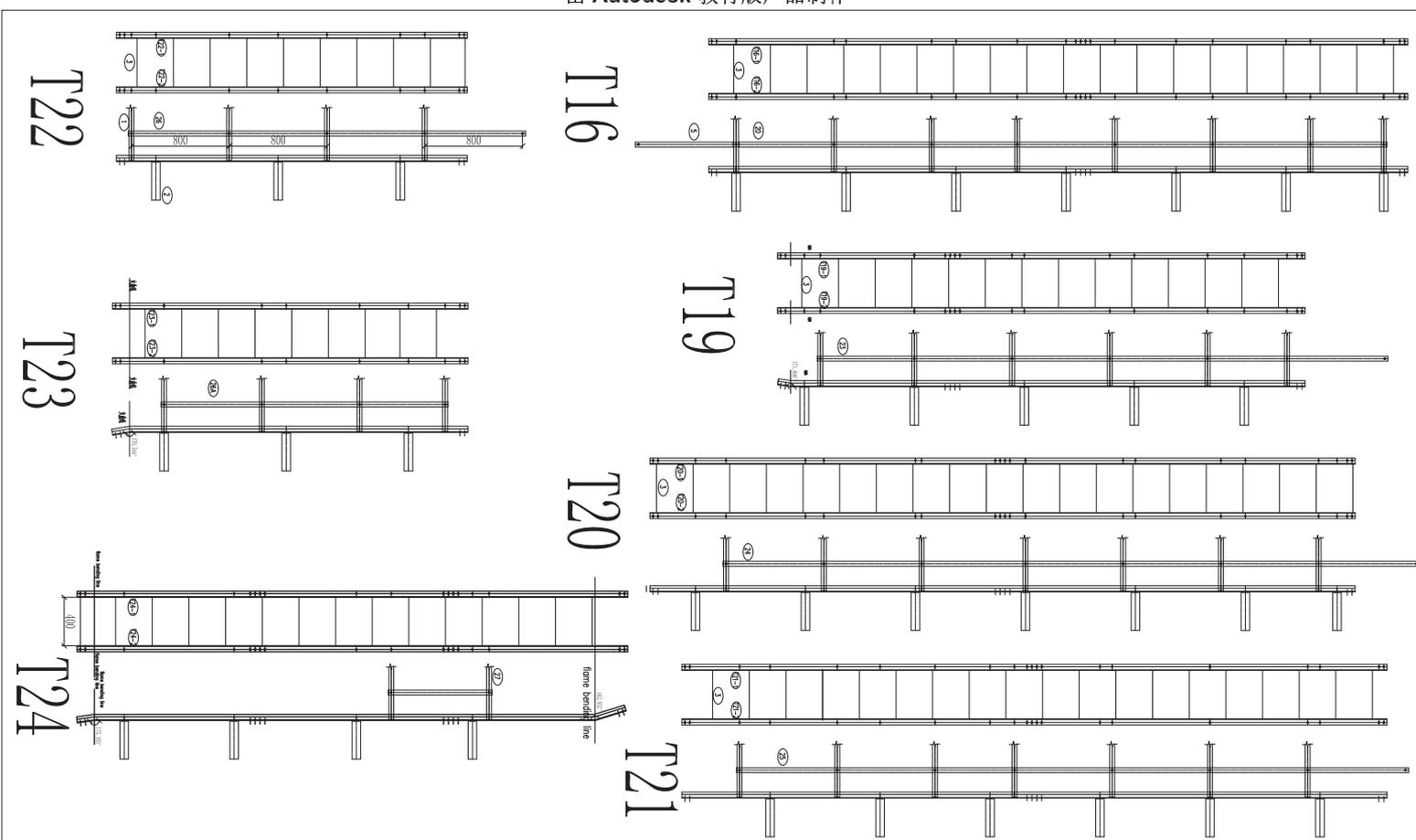
Name	RSJ-112m-EA-10eqm-40m/s-15-011-003	Rate	1:1
Design	W8.0		
Dream	Miss		
Confirm			
Addit			
Appro.			

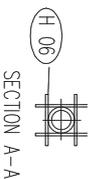
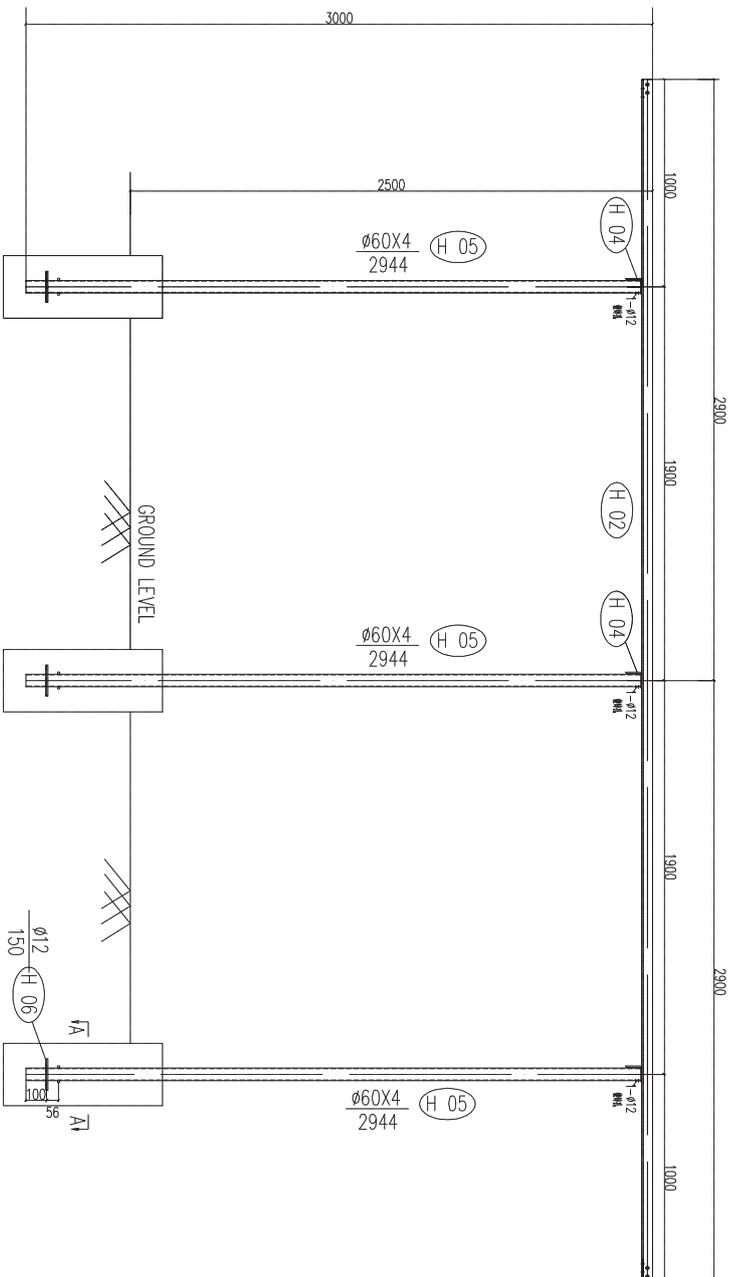
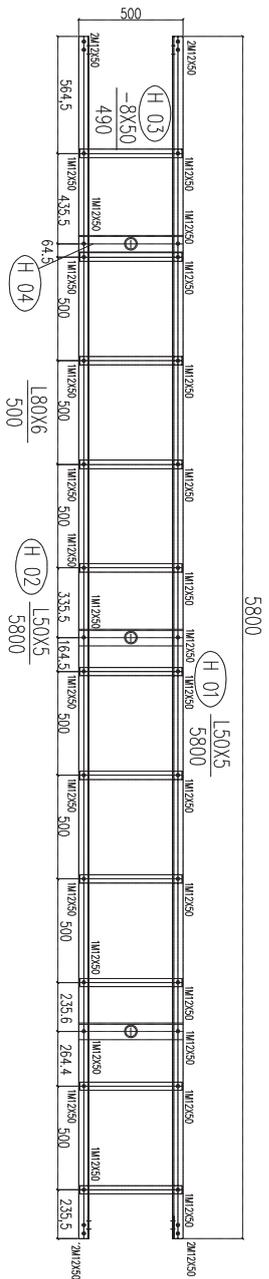


Name	RSJ-112m-EA-10eqm-40m/s-15-011-003	Rate	1:1
Design	W8.0		
Dream	Miss		
Confirm			
Addit			
Appro.			



Name	RSJ-112m-EA-10eqm-40m/s-15-011-003	Rate	1:1
Design	W8.0		
Dream	Miss		
Confirm			
Addit			
Appro.			





Members List

Hard Stamp	PartNo	Specification	Length (mm)	Quantity	Weight(kg)		Remar
					Unit	Weight/total Weight	
	H01	Q235B L50X5	5800	1	21.87	21.9	
	H02	Q235B L50X5	5800	1	21.87	21.9	
	H03	Q235B -8X50	490	11	1.36	14.96	
	H04	Q235B L80X6	500	3	3.69	7.4	
	H05	20# ø60X4	2944	3	16.3	48.9	welding
	H06	Q235B ø12	150	12	0.13	1.62	112M-H04 3pcs
TOTAL						116.68kg	

Bolts, Shackles and Washers List

Name	Grade	Specification	Symbol	Quantity	Weight(kg)	Rema
Bolt	8.8S					
Washer	Q235					
Total					6.14kg	

This is for 1 set, total 18 sets.

Qingdao Sinostro Technology Co., Ltd

Design	VS. 0	Name	NSA 112m EPA 10sqm, 40m/s 15-011-003
Drawn	Miss		
Confirm			
Audit			
Appro.			

Cable Gantry: 5.8m

Rate
Sect. Cable Gantry: 5.8m
Date 11.6.2015
NO 25/26

