

PEAK INTERNATIONAL TRADE (TIANJIN) CO., LTD.

BID Proposal

(PART I/II)

Recipient: Ministry of Labour and Social Policy of the Republic of North Macedonia

Subject: North Macedonia Emergency Covid-19 Response Project - Procurement of the modular prefabricated containers

RFB Number: MK/ERCP # 1.1.7

Date: Oct 26, 2020

TABLE OF CONTENT

1. SECTION 1 – BIDDING SUBMITTAL (For details see the separator page)
2. SECTION 2 – TECHNICAL PROPOSAL IN DETAILS
 - DRAWINGS
 - STANDARD COMPARATION
 - DESIGN CALCULATION (reference pages attached)
 - PRODUCT CATALOGUE FOR FLAT PACK HOUSE
 - REMARKS FOR THE TENDER
3. SECTION 3 – OTHER SUBMITTALS
 - LIST OF MAIN MATERIALS
 - CERTIFICATES AND QUALITIFICAITON
 - INSTALLATION INSTRUCTION
 - CONSTRUCTION PLAN
4. SECTION 4 - ABOUT MANUFACTURER AND DESIGN INSTITUTE
5. SECTION 5 - ABOUT PEAK INTERNATIONAL

Contact Person: Mr. Frank Wang – Project Manager

PEAK INTERNATIONAL TRADE (TIANJIN) CO., LTD.
38 DALI ROAD, HEPING DISTRICT, TIANJIN, CHINA
TEL: 86-22-2319.1608
FAX: 86-22-89886660
E-MAIL: export@peakglobe.com

UNGM Registered Supplier No.: 113512
United Nations Vender ID: 25290

SECTION 1 – BIDDING SUBMITTAL

- Letter of bid
- Bidder Information form
- Bidder's JV Members Information Form (Not Applicable)
- Price Schedule Forms
- Form of Bid-Securing Declaration
- Manufacturer's Authorization
- List of Goods and Delivery Schedule
- Technical Specifications

Peak

匹克国际贸易(天津)有限公司

PEAK INTERNATIONAL TRADE (TIANJIN) CO., LTD.

107-1 Munan Road, Heping District, Tianjin, China P.C.: 300050

Tel: 86-22-8988 8088, 27129876/77/78 Fax: 86-22-89886660, 2712 8999

E-Mail: export@peakglobe.com

Letter of Bid

Date of this Bid submission: [26th Oct, 2020]

RFB No.: MK/ERCPC # 1.1.7

To: Ministry of Labour and Social policy of the Republic of North Macedonia

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including Addenda issued in accordance with Instructions to Bidders (ITB 8);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) **Bid/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid-Securing Declaration or Proposal-Securing Declaration in the Purchaser's Country in accordance with ITB 4.7;
- (d) **Conformity:** We offer to supply in conformity with the bidding document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: [The modular prefabricated containers];
- (e) **Bid Price:** The total price of our Bid, excluding any discounts offered in item (f) below is:

Option 1, in case of one lot: Total price is: [SAY EURO SIX MILLION, FOUR HUNDRED AND EIGHTEEN THOUSAND, AND TWENTY ONLY (EURO6,418,020.00)];



- (f) **Discounts:** The discounts offered and the methodology for their application are:
 - (i) The discounts offered are: [The prices are price after discount.]
 - (ii) The exact method of calculations to determine the net price after application of discounts is shown below: [N.A.];
- (g) **Bid Validity Period:** Our Bid shall be valid for the period specified in BDS 18.1 (as amended, if applicable) from the date fixed for the Bid submission deadline specified in BDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (h) **Performance Security:** If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;

- (i) **One Bid per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other Bid(s) as a Joint Venture member, or as a subcontractor, and meet the requirements of ITB 4.3, other than alternative Bids submitted in accordance with ITB 13;
- (j) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Purchaser's Country laws or official regulations or pursuant to a decision of the United Nations Security Council;
- (k) **State-owned enterprise or institution:** [*We are not a state-owned enterprise or institution*];
- (l) **Commissions, gratuities, fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount
<i>None</i>	<i>None</i>	<i>None</i>	<i>None</i>

(If none has been paid or is to be paid, indicate "none.")

- (m) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (n) **Purchaser Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Bid, the Most Advantageous Bid or any other Bid that you may receive; and
- (o) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption.

Name of the Bidder: **[Peak International Trade (Tianjin) Co., Ltd.]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder: ** *[Frank Wang]*

Title of the person signing the Bid: *[Deputy General Manager]*

Signature of the person named above: []

Date signed *[26th]* day of *[October]*, *[2020]*

*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

** : Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

Handwritten signature/initials

Bidder Information Form

Date: [26th Oct, 2020]
RFB No.: MK/ERCP # 1.1.7

Page 1 of 1 pages

1. Bidder's Name [<i>Peak International Trade (Tianjin) Co., Ltd.</i>]
2. In case of JV, legal name of each member: [<i>Not applicable</i>]
3. Bidder's actual or intended country of registration: [<i>China</i>]
4. Bidder's year of registration: [<i>Dec, 1992</i>]
5. Bidder's Address in country of registration: [<i>38 Dali Road, Heping District, Tianjin 300050, China</i>]
6. Bidder's Authorized Representative Information Name: [<i>Frank Wang</i>] Address: [<i>38 Dali Road, Heping District, Tianjin 300050, China</i>] Telephone/Fax numbers: [<i>+86-22-23191608 / +86-22-27128999</i>] Email Address: [<i>export@peakglobe.com</i>]
7. Attached are copies of original documents of [<i>check the box(es) of the attached original documents</i>] <input checked="" type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITB 4.6 documents establishing: <ul style="list-style-type: none"> • Legal and financial autonomy • Operation under commercial law • Establishing that the Bidder is not under the supervision of the Purchaser
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. [<i>If required under BDS ITB 45.1, the successful Bidder shall provide additional information on beneficial ownership, using the Beneficial Ownership Disclosure Form.</i>]

Bidder's JV Members Information Form

(NOT APPLICABLE)

[The Bidder shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Bidder and for each member of a Joint Venture].

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

RFB No.: MK/ERCP # 1.1.7

Page _____ of _____ pages

1. Bidder's Name: <i>[insert Bidder's legal name]</i>
2. Bidder's JV Member's name: <i>[insert JV's Member legal name]</i>
3. Bidder's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Bidder's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Bidder's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Bidder's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Purchaser, in accordance with ITB 4.6.
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. <i>[If required under BDS ITB 45.1, the successful Bidder shall provide additional information on beneficial ownership for each JV member using the Beneficial Ownership Disclosure Form.]</i>

Price Schedule Forms

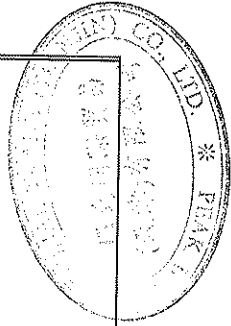
*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

Price Schedule: Goods Manufactured Outside the Purchaser's Country, to be Imported

Date: **26th Oct, 2020**
 RFB No: **MK/ERCP # I.1.7**
 Alternative No: **N.A.**
 Pages: **7**

(Group C Bids, goods to be imported)
 Currencies in accordance with ITB 15

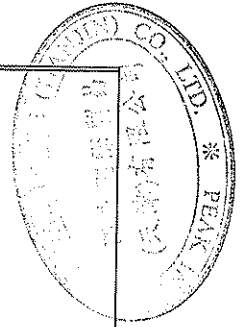
1	2	3	4	5	6	7	8	9
Line Item No	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price CIP [insert place of destination] in accordance with ITB 14.8(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in the Purchaser's Country to convey the Goods to their final destination specified in BDS	Total Price per Line item (Col. 7+8)
[insert number of the item]	[insert name of good]	[insert country of origin of the Good]	[insert quoted Delivery Date]	[insert number of units to be supplied and name of the physical unit]	[insert unit price CIP per unit] Currency: EURO	[insert total CIP price per line item] Currency: EURO	[insert the corresponding price per line item]	[insert total price of the line item] Currency: EURO
1	Type 1 – Construction, transport and montage of modular prefabricated containers – (entrance for patients and reception desk) – “turn key” project; dimensions: 6000 mm length, 4800 mm width and 2600 mm height (external dimension) or „equivalent “.	China	60-90 days as per requirements.	19	13,925.00	264,575.00	Included in CIP.	264,575.00



Handwritten signature/initials

Handwritten mark

2	Type 2 - Construction, transport and montage of modular prefabricated containers (reception/administration) - "turn key" project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19	7,663.00	145,597.00	Included in CIP.	145,597.00.
3	Type 3 - Construction, transport and montage of modular prefabricated containers - (P2 lab, preparing area, biosafety cabinet, tampon zone, toilet and wardrobe) - "turn key" project; dimensions: 6000 mm length, 7200 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19	24,887.00	472,853.00	Included in CIP.	472,853.00
4	Type 4 - Construction, transport and montage of modular prefabricated toilets - (men/women toilets with wardrobe - toilet and shower) - "turn key" project; dimensions: 2400mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	38	8,422.00	320,036.00	Included in CIP.	320,036.00

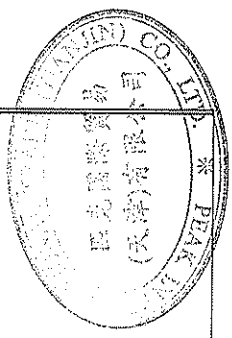


Alvaro
EAF
EAF

dy

Section IV - Bidding Forms

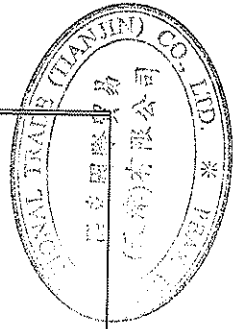
5	Type 5 - Construction, transport and montage of modular prefabricated containers - (doctor's office) - "turn key" project; dimensions: 4800 mm length, 6000 mm and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19	14,380.00	273,220.00	Included in CIP.	273,220.00
6	Type 6 - Construction, transport and montage of modular prefabricated containers - (triage office for interventions and X-ray) - "turn key" project; dimensions: 9600 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19	26,446.00	502,474.00	Included in CIP.	502,474.00
7	Type 7 - Construction, transport and montage of modular prefabricated containers - (isolation room) - "turn key" project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19	7,663.00	145,597.00	Included in CIP.	145,597.00
8	Type 8 - Construction, transport and montage of modular prefabricated containers - (hospital inpatient room for patients with mild clinical condition) - "turn key" project; dimensions: 7200 mm length 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	54	20,185.00	1,089,990.00	Included in CIP.	1,089,990.00



Handwritten signature and initials in the top right corner.

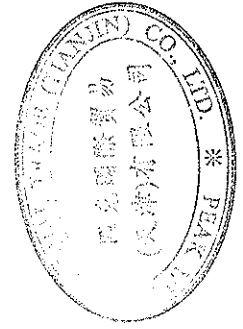
Handwritten signature at the bottom right corner.

9	Type 9 – Construction, transport and montage of modular prefabricated containers – (hospital inpatient room for patients with severe clinical condition) – “turn key” project; dimensions: 9600 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	30	26,446.00	793,380.00	Included in CIP.	793,380.00.
10	Type 10 – Construction, transport and montage of modular prefabricated containers – (men/women toilets with 3 sinks, 2 toilet bowls, cabinet for persons with disabilities) – “turn key” project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.	China	60-90 days as per requirements.	35	8,991.00	314,685.00	Included in CIP.	314,685.00
11	Type 11 – Construction, transport and montage of modular prefabricated containers (hallway – stationary department) – “turn key” project; dimensions: length according to the disposition of the drawings with 2400 mm width and height 2600 mm (external dimension) or „equivalent“.	China	60-90 days as per requirements.	19 pcs	25,306.00	480,814.00	Included in CIP.	480,814.00



Signature

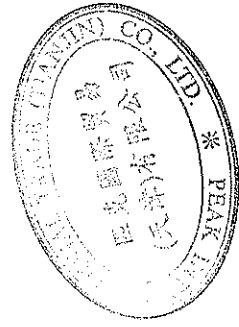
12	<p>Type 12 - Construction, transport and montage of modular prefabricated containers - (hallway - clean department) - "turn key" project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent “.</p>	China	60-90 days as per requirements.	19	7,026.00	133,494.00	Included in CIP.	133,494.00.
13	<p>Type 13 - Construction, transport and montage of modular prefabricated containers - (hallway - triage department) - "turn key" project; dimensions: 12000 mm length, 2400 mm width and 2600 mm height (external dimension) or „equivalent “.</p>	China	60-90 days as per requirements.	19	13,348.00	253,612.00	Included in CIP.	253,612.00



Handwritten signature or initials in the top right corner.

Handwritten signature or initials in the bottom right corner.

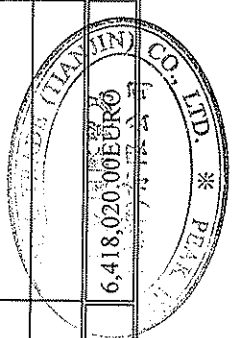
Handwritten initials and marks at the top right corner.



14	<p>Gable (dual-pitched) roof construction and eaves - turn-key project, horizontal projection approximately in addition columns according to the types</p> <p>Construction, transport and montage of roof construction, fabricated of steel lattice structure (dimensioning according to static calculation), minimum slope 10%, steel-galvanized-plasticized sheet metal covering, d=0.5mm, with set of moldings and slat, positioned on steel sub-construction.</p> <p>The roof construction must include: full patching, horizontal and vertical gutters and lightning strikes protection.</p>	<i>China</i>	60-90 days as per requirements.	11.457,00 m ² aprox	49.00	561,393.00	Included in CIP.	561,393.00 *
----	---	--------------	---------------------------------	-----------------------------------	-------	------------	------------------	--------------

Handwritten signature at the bottom right corner.

15	<p>Preparation of construction site: removing (clearing), disposing, leveling and substrate (ground) preparation for montage of modular prefabricated containers. The position includes: - Remove and dispose the vegetation to the landfill site. Establish and set out the facility pursuant the earthworks regulations approximately according to the drawings attached herein. - Excavate 3rd (III) category land dispose approximately according to the drawings attached herein. - Embankment and intersection of the ground. - Procurement, transport and embankment of gravel under the ground slab (foundation), including: applying, planning and inserting with vibrations d.=10-20cm until minimum bearing capacity. - Construction of reinforced concrete ground slab, d.=20cm, approximately according to the drawings attached herein. - Insertion of water supply and sanitation plug to the facility - Providing pedestrian access routes</p>	China	60-90 days as per requirements.	13.326,00 m2 approx	50.00	666,300.00	Included in CIP.	666,300.00 *
----	---	-------	---------------------------------	---------------------	-------	------------	------------------	--------------



Name of Bidder [Peak International Trade (Tianjin) Co., Ltd.] Signature of Bidder [*[Signature]*] Date [26th Oct, 2020]

[Handwritten signatures]

Form of Bid-Securing Declaration

Date: [26th Oct, 2020]
 Bid No.: MK/ERCP # 1.1.7
 Alternative No.: [Not Applicable]

To: *Ministry of Labour and Social Policy of the Republic of North Macedonia*

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding or submitting proposals in any contract with the Purchaser for the period of time of **5 years** starting on **01.01.2021** if we are in breach of our obligation(s) under the Bid conditions, because we:

- (a) have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the Purchaser during the period of Bid validity, (i) fail or refuse to sign the Contract; or (ii) fail or refuse to furnish the Performance Security, if required, in accordance with the ITB.

We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Name of the Bidder* **Peak International Trade (Tianjin) Co., Ltd.**

Name of the person duly authorized to sign the Bid on behalf of the Bidder** **Frank Wang**

Title of the person signing the Bid **Deputy General Manager**

Signature of the person named above _____

Date signed 26th day of Oct, 2020



*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

Manufacturer's Authorization

Date: [26th Oct, 2020]


RFB No.: MK/ERCP # 1.1.7

To: Ministry of Labour and Social Policy of the Republic of North Macedonia

WHEREAS

We [*Changshu Yahgee Modular Building Co., Ltd*], who are official manufacturers of [*modular prefabricated containers*], having factories at [*No.50, Jiulong Road, New & Hi-tech Industrial Development Zone, Changshu, Jiangsu Province, P.R. China*], do hereby authorize [*Peak International Trade (Tianjin) Co., Ltd.*] to submit a Bid the purpose of which is to provide the following Goods, manufactured by us [*modular prefabricated containers*], and to subsequently negotiate and sign the Contract.

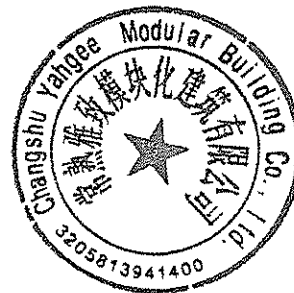
We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: 

Name: [*Henry Yu*]

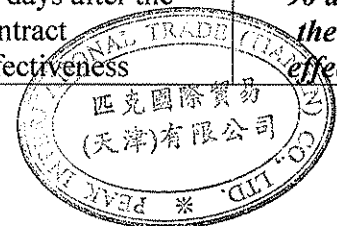
Title: [*General Manager*]

Dated on 26th day of Oct, 2020



1. List of Goods and Delivery Schedule

No	Final Destination (Project Site) as specified in BDS	modul ar hospit al (triag e)	modula r hospita l (triage + station ary center)	Delivery(as per Incoterms) Date		
				Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the Bidder]
	Medical Hospital located in the City of:	Quantity	Quantity			
1	Gevgelija(Type B)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
2	Kumanovo (Type C)		1	60 days after the contract effectiveness	60 days after the contract effectiveness	60 days after the contract effectiveness
3	Kavadarci (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
4	Strumica (Type C)		1	60 days after the contract effectiveness	60 days after the contract effectiveness	60 days after the contract effectiveness
5	Kicevo (Type D)		1	60 days after the contract effectiveness	60 days after the contract effectiveness	60 days after the contract effectiveness
6	Debar (Type A)	1		90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
7	Gostivar (Type C)		1	60 days after the contract effectiveness	60 days after the contract effectiveness	60 days after the contract effectiveness
8	Struga (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
9	Kocani (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness



Signature

10	Ohrid (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
11	Tetovo (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
12	Shtip (Type D)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
13	Bitola (Types D+D+A)	1	2	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
14	Veles (Type D)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
15	Prilep (Type C)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
16	Resen (Type B)		1	90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness
17	Institute for Lung Diseases-Kozle (Type A)	1		90 days after the contract effectiveness	90 days after the contract effectiveness	90 days after the contract effectiveness



[Handwritten signature]

2. Technical Specifications

The Supplier shall deliver to the final Project sites the goods described below

Technical specifications for construction, transport and montage of modular prefabricated containers for Regional Covid Centers for Triage, Laboratory and Stationary Center with outpatients and inpatients units.

Type A: Additional capacity for admission, triage and testing, cities: Bitola, Debar and PHI Institute for lung diseases in children Kozle Skopje (now COVID centar for children)

Type B: Additional capacity for admission, triage and testing with inpatients rooms for 13-15 patients, cities: Gevgelija and Resen

Type C: Additional capacity for admission, triage and testing with inpatients rooms for 33-35 patients, cities: Kumanovo, Kavadarci, Strumica, Gostivar, Struga, Kochani, Ohrid, Tetovo and Prilep

Type D: Additional capacity for admission, triage and testing with inpatients rooms for over the 45 patients, cities: Veles, Bitola, Stip, Kichevo.

*Clinical hospital in Bitola is calculated with two separate Type D and one Type A additional capacity, according their needs

	Construction, transport and montage of modular prefabricated containers for Regional Covid Triage, Laboratory and Stationary Center with outpatients and inpatients units	<u>Type A</u>	<u>Type B</u>	<u>Type C</u>	<u>Type D</u>	<u>Total quantity</u>	<u>OFFERED</u>
		<u>In psc</u>	<u>In psc</u>	<u>In psc</u>	<u>In psc</u>	<u>In psc</u>	
MINIMAL requirements							
1.	Type 1 – Construction, transport and montage of modular prefabricated containers – (entrance for patients and reception	3	2	9	5	19	<i>Compliant with requirement.</i>

desk) – “turn key” project; dimensions: 6000 mm length, 4800 mm width and 2600 mm height (external dimension) or „equivalent“.

The containers shall have the following equipment:

Construction:

- Structural steel dimensioning according to static calculation;
- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;
- Steel construction depth, minimum 3mm;

Fabricated of:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm,

polyurethane
weight, minimum
42 kg/m³, thermal
conductivity,
maximum: 0,43
U(W/m²K) RAL
9002/9002;

Floor:

- Cement table
10mm with
amortization,
connecting the
steel beam
- Thermal isolation
10 cm, extruded
polystyrene;
- Steel beam
dimensions: 100
mm x 40 mm x 3
mm; 100 mm x 20
mm x 3 mm; 80
mm x 50 mm x 3
mm; 50 mm-4
0mm-3mm,
structural steel
dimensioning
according to static
calculation
- Cement table
20mm
- OSB boards;
- Homogeneous
Vinyl PVC
Flooring,
minimum 2mm,
strengthened with
pur xr protection,
exploited class
34/43, min.
3000gr/m²,

<p>abrasive group 4.00mm³, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987- EN423, ISO846. Glued and welded with electrodes, cover former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002 <p>Carpentry:</p>							
--	--	--	--	--	--	--	--

- PVC – single-leaf double hung window, with insulated glass, dimensions 80/120 cm and parapet at height of 90cm, interior venetian blinds and mating 50% of glass surface with foil, exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.
- PVC – double-leaf door – 180/210cm with 50% filled panel and 50% mating glass 4x16x4 set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.

Cooling and heating system:

--	--	--	--	--	--	--

	<ul style="list-style-type: none"> - Air conditioning inverter system – minimum 3,5 KW <p>Electrical installation:</p> <ul style="list-style-type: none"> - 6 LED lights x 18w; - 1 electrical switch; - minimum 6 single-phase upgraded power outlet; - 1 single-phase upgraded power outlet– air conditioner; - 1 PVC wall switchboard with minimum 3 automatic fuses; - 1 Input IP board; 						
2.	<p>Type 2 – Construction, transport and montage of modular prefabricated containers (reception/administration) – “turn key” project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent “.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive 	3	2	9	5	19	<i>Compliant with requirement.</i>

<p>S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;</p> <ul style="list-style-type: none"> - Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p> <ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 						
--	--	--	--	--	--	--

<p>50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation</p> <ul style="list-style-type: none"> - Cement table 20mm - OSB boards; - Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m², abrasive group 4.00mm³, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm. <p>Ceiling:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 							
--	--	--	--	--	--	--	--

U(W/m²K) RAL
9002/9002.

Carpentry:

- PVC – single-leaf double hung window, with insulated glass, dimensions 80/100 cm and parapet at height of 90cm, interior venetian blinds and mating 50% of glass surface with foil, exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.
- PVC – single-leaf interior door – 120/210cm with 50 % filled panel and 50% mating glass 4x16x4 set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.
- Combined: PVC – sliding/single-leaf, pass through windows glass

<p>system, dimensions 100/100 cm (positioning in sole container), with parapet desks minimum 30cm width on each side.</p> <p>Cooling and heating system: - Air conditioning inverter system, minimum 3,5 KW</p> <p>Electrical installation: - 3 LED lights x 18w; - 1 electrical switch; - minimum 6 single- phase upgraded power outlet; - 1 single-phase upgraded power outlet – air conditioner; - 1 PVC wall switchboard with minimum 3 automatic fuses; - 1 Input IP board;</p>							
<p>3. Type 3 – Construction, transport and montage of modular prefabricated containers – (P2 lab, preparing area, biosafety cabinet, tampon zone, toilet and wardrobe) – turn key” project; dimensions: 6000 mm length, 7200 mm width and 2600 mm height</p>	<p>3</p>	<p>2</p>	<p>9</p>	<p>5</p>	<p>19</p>		<p><i>Compliant with requirement.</i></p>

(external dimension) or „equivalent“.

The containers shall have the following equipment:

- Structural steel dimensioning according to static calculation;
- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;

- Steel construction depth, minimum 3mm;

Fabricated of:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002;

Floor:

<ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-4 0mm-3mm, structural steel dimensioning according to static calculation - Cement table 20mm - OSB boards; - Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987- EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm. Ceiling: - Ecological wall panels (PUR) minimum 60mm, which save heat, 							
---	--	--	--	--	--	--	--

sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43
 U(W/m²K) RAL 9002/9002

Carpentry:

- PVC – single-leaf double hung window, with insulated glass, dimensions 80/100 cm and parapet at height of 90cm, interior venetian blinds and mating 50% of glass surface with foil, exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.
- PVC – single-leaf double hung window, with insulated glass, dimensions 60/60cm and parapet at height of 150cm. The

<p>number of elements and their positioning should be in accordance with the drawings attached herein.</p> <ul style="list-style-type: none">- PVC – single-leaf interior door 105/210cm with 50% filled panel and 50% mating glass 4x16x4 set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.- Combined: PVC – sliding/single-leaf, pass through windows glass system, dimensions 100/100 cm (positioning in sole container), with parapet desks minimum 30cm width on each side. The number of elements and their positioning should be in accordance with							
---	--	--	--	--	--	--	--

the drawings attached herein.

Cooling and heating system:

- Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein.

Installations:

Water supply and sanitation:

- The number of elements and their positioning, including full installation of water supply and sanitation (ex. Single-lever battery tap, toilet bowl with flush, 50-liter hot water boiler etc), should be in accordance with the drawings attached herein.

Electrical installation:

- 10 LED lights x 18w;
- electrical switch - The number of elements and their positioning should be in accordance

	<p>with the drawings attached herein.</p> <ul style="list-style-type: none"> - Minimum 12 single-phase upgraded power outlet; - single-phase upgraded power outlet – air conditioner - 1 PVC wall switchboard with minimum 6 automatic fuses; - 1 Input IP board; 						
4.	<p>Type 4 – Construction, transport and montage of modular prefabricated containers – (men/women toilets with wardrobe – toilet and shower) – “turn key” project; dimensions: 2400mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent “.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent “, conformed to MKC EN10025-2:2009; 	6	4	18	10	38	<i>Compliant with requirement.</i>

- Steel construction
depth, minimum 3mm;

Fabricated of:

- Ecological wall
panels (PUR) minimum
60mm, which save heat,
sound isolation included,
covered with exterior and
interior facade. Interior
depth of plasticized stake,
minimum 0,4mm,
exterior minimum
0,4mm, polyurethane
weight, minimum 42
kg/m³, thermal
conductivity, maximum:
0,43 U(W/m²K) RAL
9002/9002;

Floor:

- Cement table
10mm with amortization,
connecting the steel beam

- Thermal isolation
10 cm, extruded
polystyrene;

- Steel beam
dimensions: 100 mm x 40
mm x 3 mm; 100 mm x
20 mm x 3 mm; 80 mm x
50 mm x 3 mm; 50 mm-4
0mm-3mm, structural
steel dimensioning
according to static
calculation

- Cement table
20mm

- OSB boards;

- Homogeneous
Vinyl PVC Flooring,
minimum 2mm,

strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m², abrasiãe group 4.00mm³, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.
Ceiling:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.

Carpentry:

- PVC – single-leaf double hung window, with insulated glass, dimensions 60/60 cm and parapet at height of 150cm.
The number of

<p>elements and their positioning should be in accordance with the drawings attached herein.</p> <ul style="list-style-type: none"> - PVC – single-leaf interior door – 105/210cm with 50 % filled panel and 50% mating glass 4x16x4 set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Cooling and heating system:</p> <ul style="list-style-type: none"> - Heating type – electrical panels <p>Installations:</p> <p>Water supply and sanitation:</p> <ul style="list-style-type: none"> - The number of elements and their positioning, including full installation of water supply and sanitation (ex. Single-lever battery tap, toilet bowl with flush, 50-liter hot water boiler etc), should be in accordance with the drawings attached herein. 						
--	--	--	--	--	--	--

<p>Electrical installation:</p> <ul style="list-style-type: none"> - 3 LED lights x 18w; - 1 electrical switch; - minimum 6 single-phase upgraded power outlet; - 1 single-phase upgraded power outlet – air conditioner; - 1 PVC wall switchboard with minimum 6 automatic fuses; - 1 Input IP board; 						
<p>5. Type 5 – Construction, transport and montage of modular prefabricated containers – (doctor’s office) – “turn key” project; dimensions: 4800 mm length, 6000 mm and 2600 mm height (external dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009; - Steel construction depth, minimum 3mm; 	<p>3</p>	<p>2</p>	<p>9</p>	<p>5</p>	<p>19</p>	<p><i>Compliant with requirement.</i></p>

<p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; 							
<p>Floor:</p> <ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation - Cement table 20mm - OSB boards; 							

- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m², abrasive group 4.00mm³, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.
Ceiling:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.

Carpentry:

- PVC – single-leaf double hung window, with insulated glass, dimensions

<p>80/100 cm and parapet at height of 90cm, and exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.</p> <ul style="list-style-type: none"> - PVC – single-leaf interior door – 105/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Cooling and heating system:</p> <ul style="list-style-type: none"> - Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Installations: Water supply and sanitation:</p>							
---	--	--	--	--	--	--	--

	<ul style="list-style-type: none"> - 1 sink, full water supply and sanitation installation, battery tap; <p>Electrical installation:</p> <ul style="list-style-type: none"> - 6 LED lights x 18w; - 1 electrical switch; - minimum 6 single-phase upgraded power outlet; - 1 single-phase upgraded power outlet – hot water boiler; - 1 PVC wall switchboard with minimum 6 automatic fuses; - 1 Input IP board; - 						
6.	<p>Type 6 – Construction, transport and montage of modular prefabricated containers – (triage office for interventions and X-ray) – “turn key” project; dimensions: 9600 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 	3	2	9	5	19	<i>Compliant with requirement.</i>

<p>layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;</p> <ul style="list-style-type: none"> - Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p> <ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation 							
--	--	--	--	--	--	--	--

<p>- Cement table 20mm</p> <p>- OSB boards;</p> <p>- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m3, thermal conductivity, maximum 0,43 U(W/m2K) RAL 9002/9002.</p> <p>Carpentry:</p> <p>- PVC – single-leaf double hung</p>							
---	--	--	--	--	--	--	--

window, with insulated glass, dimensions 80/100 cm and parapet at height of 90cm, exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.

- PVC – single-leaf interior door – 120/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.

Cooling and heating system:

- Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein.

	<p>Installations: Water supply and sanitation:</p> <ul style="list-style-type: none"> - sinks, full water supply and sanitation installation, battery tap; The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Electrical installation:</p> <ul style="list-style-type: none"> - 12 LED lights x 18w; - Electrical switch; - single-phase upgraded power outlet; - single-phase upgraded power outlet – air conditioner; - PVC wall switchboard with automatic fuses; The number of elements and their positioning should be in accordance with the drawings attached herein. - 1 Input IP board; 						
7.	<p>Type 7 – Construction, transport and montage of modular prefabricated containers – (isolation</p>	3	2	9	5	19	<p><i>Compliant with requirement.</i></p>

<p>room) – “turn key” project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none">- Structural steel dimensioning according to static calculation;- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;- Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none">- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p>							
---	--	--	--	--	--	--	--

<ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-4 0mm-3mm, structural steel dimensioning according to static calculation - Cement table 20mm - OSB boards; - Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987- EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm. <p>Ceiling:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, 							
--	--	--	--	--	--	--	--

sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.

Carpentry:

- PVC – single-leaf double hung window, with insulated glass, dimensions 80/100 cm and parapet at height of 90cm, exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.

- PVC – single-leaf interior door – 120/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.

Cooling and heating system:

	<p>- Air conditioning inverter system – minimum 3,5 KW. Installations: Electrical installation:</p> <ul style="list-style-type: none"> - 3 LED lights x 18w (internal); - 4 alternating electrical switches; - Minimum 3 single-phase upgraded power outlet; - single-phase upgraded power outlet – air conditioner; The number of elements and their positioning should be in accordance with the drawings attached herein. - 1 PVC wall switchboard with minimum 3 automatic fuses; - 1 Input IP board; 							
8.	<p>Type 8 – Construction, transport and montage of modular prefabricated containers – (hospital inpatient room for patients with mild clinical condition) – “turn key” project; dimensions: 7200 mm length 6000 mm width and 2600 mm height (external</p>	/	2	27	25	54		<i>Compliant with requirement.</i>

<p>dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009; - Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p> <ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; 							
---	--	--	--	--	--	--	--

<p>- Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation</p> <p>- Cement table 20mm</p> <p>- OSB boards;</p> <p>- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of</p>							
---	--	--	--	--	--	--	--

plasticized stake,
 minimum 0,4mm
 exterior minimum
 0,4mm,
 polyurethane
 weight, minimum
 42 kg/m³, thermal
 conductivity,
 maximum 0,43
 U(W/m²K) RAL
 9002/9002.

Carpentry:

- PVC – single-leaf
 double hung window,
 with insulated glass,
 dimensions 80/100 cm
 and parapet at height of
 90cm, mating 50% of
 glass surface with foil,
 and exterior mosquito net.
 The number of elements
 and their positioning
 should be in accordance
 with the drawings
 attached herein.

- PVC – single-leaf
 interior door –
 120/210cm filled panel,
 set with: shackle, door
 knob, lock and floor
 border and rooms
 numbering, dimensions
 12/24 cm. The number of
 elements and their
 positioning should be in
 accordance with the
 drawings attached herein.

Cooling and heating
 system:

	<p>- Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein. Installations: Electrical installation: - 9 LED lights x 18w; - Electrical switch; - single-phase upgraded power outlet; - single-phase upgraded power outlet – cooling and heating system; The number of elements and their positioning should be in accordance with the drawings attached herein. - PVC wall switchboard with automatic fuses; - 1 Input IP board;</p>							
9.	<p>Type 9 – Construction, transport and montage of modular prefabricated containers – (hospital inpatient room for patients with severe clinical condition) – “turn key” project; dimensions: 9600 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent “.</p>	/	2	18	10	30		<i>Compliant with requirement.</i>

The containers shall have the following equipment:

- Structural steel dimensioning according to static calculation;
- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;
- Steel construction depth, minimum 3mm;

Fabricated of:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002;

Floor:

- Cement table 10mm with amortization, connecting the steel beam
- Thermal isolation 10 cm, extruded polystyrene;

<p>- Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation</p> <p>- Cement table 20mm</p> <p>- OSB boards;</p> <p>- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm,</p>							
--	--	--	--	--	--	--	--

<p>polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.</p> <p>Carpentry:</p> <ul style="list-style-type: none">- PVC – single-leaf double hung window, with insulated glass, dimensions 80/100 cm and parapet at height of 90cm, mating 50% of glass surface with foil, and exterior mosquito net. The number of elements and their positioning should be in accordance with the drawings attached herein.- PVC – single-leaf interior door – 120/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Cooling and heating system:</p> <ul style="list-style-type: none">- Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should						
--	--	--	--	--	--	--

<p>be in accordance with the drawings attached herein. Installations: Electrical installation: - 12 LED lights x 18w; - Electrical switch; - single-phase upgraded power outlet; - single-phase upgraded power outlet – cooling and heating system; The number of elements and their positioning should be in accordance with the drawings attached herein. - PVC wall switchboard with automatic fuses; - 1 Input IP board.</p>						
<p>10. Type 10 – Construction, transport and montage of modular prefabricated containers – (men/women toilets with 3 sinks, 2 toilet bowls, cabinet for persons with disabilities) – “turn key” project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external dimension) or „equivalent “.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; 	<p>3</p>	<p>4</p>	<p>18</p>	<p>10</p>	<p>35</p>	<p><i>Compliant with requirement.</i></p>

<p>- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;</p> <p>- Steel construction depth, minimum 3mm;</p> <p>Fabricated of:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002;</p> <p>Floor:</p> <p>- Cement table 10mm with amortization, connecting the steel beam</p> <p>- Thermal isolation 10 cm, extruded polystyrene;</p> <p>- Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation</p>							
---	--	--	--	--	--	--	--

<p>- Cement table 20mm</p> <p>- OSB boards;</p> <p>- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m3, thermal conductivity, maximum 0,43 U(W/m2K) RAL 9002/9002.</p> <p>Carpentry:</p> <p>- PVC – single-leaf double hung window, with insulated glass, dimensions 60/60 cm and parapet at height of 150cm.</p>							
---	--	--	--	--	--	--	--

The number of elements and their positioning should be in accordance with the drawings attached herein.

- PVC – single-leaf interior door – 120/210cm with 50 % filled panel and 50% mating glass 4x16x4 set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.

Cooling and heating system:

- Heating type – electrical panels

Installations:

Water supply and sanitation:

- The number of elements and their positioning should be in accordance with the drawings attached herein.

(ex. Single battery tap, toilet bowl with flash, 50 liter hot water boiler etc.)

Electrical installation:

- 3 LED lights x

18w;

- Electrical switch;

	<ul style="list-style-type: none"> - single-phase upgraded power outlet; - single-phase upgraded power outlet – air conditioner; The number of elements and their positioning should be in accordance with the drawings attached herein. - PVC wall switchboard with minimum 6 automatic fuses; - 1 Input IP board. 						
11.	<p>Type 11 – Construction, transport and montage of modular prefabricated containers (hallway – stationary department) – “turn key” project; dimensions: length according to the disposition of the drawings with 2400 mm width and height 2600 mm (external dimension) or „equivalent “.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent “, conformed to MKC EN10025-2:2009; - Steel construction depth, minimum 3mm; 	3 pcs	2 pcs	9 pcs	5 pcs	19 pcs	<i>Compliant with requirement.</i>

<p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p> <ul style="list-style-type: none"> - Cement table 10mm with amortization, connecting the steel beam - Thermal isolation 10 cm, extruded polystyrene; - Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation - Cement table 20mm - OSB boards; - Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr 								
---	--	--	--	--	--	--	--	--

protection, exploited class 34/43, min. 3000gr/m², abrasive group 4.00mm³, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.

Ceiling:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.

Carpentry:

- PVC – double-leaf door – 180/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in

<p>accordance with the drawings attached herein. Cooling and heating system:</p> <ul style="list-style-type: none"> - Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein. <p>Installations: Electrical installation:</p> <ul style="list-style-type: none"> - LED lights x 18w; - Electrical switch; - single-phase upgraded power outlet; - single-phase upgraded power outlet – cooling and heating system; The number of elements and their positioning should be in accordance with the drawings attached herein. - PVC wall switchboard with automatic fuses; - 1 Input IP board. 						
<p>12. Type 12 – Construction, transport and montage of modular prefabricated containers – (hallway – clean department) –“turn key” project; dimensions: 2400 mm length, 6000 mm width and 2600 mm height (external</p>	<p>3</p>	<p>2</p>	<p>9</p>	<p>5</p>	<p>19</p>	<p><i>Compliant with requirement.</i></p>

<p>dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none">- Structural steel dimensioning according to static calculation;- Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009;- Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none">- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002; <p>Floor:</p> <ul style="list-style-type: none">- Cement table 10mm with amortization, connecting the steel beam						
---	--	--	--	--	--	--

<p>- Thermal isolation 10 cm, extruded polystyrene;</p> <p>- Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-4 0mm-3mm, structural steel dimensioning according to static calculation</p> <p>- Cement table 20mm</p> <p>- OSB boards;</p> <p>- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m2, abrasive group 4.00mm3, suitable for wheelchairs, fire resistant, electrostatic, antibacterial, chemicals and sliding conformed to: EN13501, ISO26987- EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.</p> <p>Ceiling:</p> <p>- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake,</p>							
--	--	--	--	--	--	--	--

minimum 0,4mm exterior
 minimum 0,4mm,
 polyurethane weight,
 minimum 42 kg/m³,
 thermal conductivity,
 maximum 0,43
 U(W/m²K) RAL
 9002/9002.

Carpentry:

- PVC – double-leaf door
 – 180/210cm filled panel,
 set with: shackle, door
 knob, lock and floor
 border and rooms
 numbering, dimensions
 12/24 cm. The number of
 elements and their
 positioning should be in
 accordance with the
 drawings attached herein.

Cooling and heating
 system:

- Air conditioning
 inverter system –
 minimum 3,5 KW. The
 number of elements and
 their positioning should
 be in accordance with the
 drawings attached herein.

Installations:

Electrical installation:

- 3 LED lights x
18w;
- Electrical switch;
- single-phase
upgraded power outlet;
- single-phase
upgraded power outlet –

<p>cooling and heating system; The number of elements and their positioning, should be in accordance with the drawings attached herein.</p> <ul style="list-style-type: none"> - PVC wall switchboard with automatic fuses; - 1 Input IP board. 						
<p>Type 13 – Construction, transport and montage of modular prefabricated containers – (hallway – triage department) – “turn key” project; dimensions: 12000 mm length, 2400 mm width and 2600 mm height (external dimension) or „equivalent“.</p> <p>The containers shall have the following equipment:</p> <ul style="list-style-type: none"> - Structural steel dimensioning according to static calculation; - Anticorrosive iron steel, epoxy coated with 4 layers of paint, constructive S 235JR or „equivalent“, conformed to MKC EN10025-2:2009; - Steel construction depth, minimum 3mm; <p>Fabricated of:</p> <ul style="list-style-type: none"> - Ecological wall panels (PUR) minimum 	3	2	9	5	19	<i>Compliant with requirement.</i>

60mm, which save heat, sound isolation included, covered with exterior and interior façade. Interior depth of plasticized stake, minimum 0,4mm, exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum: 0,43 U(W/m²K) RAL 9002/9002;

Floor:

- Cement table 10mm with amortization, connecting the steel beam
- Thermal isolation 10 cm, extruded polystyrene;
- Steel beam dimensions: 100 mm x 40 mm x 3 mm; 100 mm x 20 mm x 3 mm; 80 mm x 50 mm x 3 mm; 50 mm-40mm-3mm, structural steel dimensioning according to static calculation
- Cement table 20mm
- OSB boards;
- Homogeneous Vinyl PVC Flooring, minimum 2mm, strengthened with pur xr protection, exploited class 34/43, min. 3000gr/m², abrasive group 4.00mm³, suitable for wheelchairs,

fire resistant, electrostatic, antibacterial, chemicals and sliding, conformed to: EN13501, ISO26987-EN423, ISO846. Glued and welded with electrodes, cove former profile, radius 25mm, height 10 cm, depth 2mm.

Ceiling:

- Ecological wall panels (PUR) minimum 60mm, which save heat, sound isolation included, covered with exterior and interior facade. Interior depth of plasticized stake, minimum 0,4mm exterior minimum 0,4mm, polyurethane weight, minimum 42 kg/m³, thermal conductivity, maximum 0,43 U(W/m²K) RAL 9002/9002.

Carpentry:

- PVC – single-leaf interior door – 120/210cm filled panel, set with: shackle, door knob, lock and floor border and rooms numbering, dimensions 12/24 cm. The number of elements and their positioning should be in accordance with the drawings attached herein.
Cooling and heating system:

	<ul style="list-style-type: none"> - Air conditioning inverter system – minimum 3,5 KW. The number of elements and their positioning should be in accordance with the drawings attached herein. Installations: Electrical installation: <ul style="list-style-type: none"> - 5 LED lights x 18w; - Electrical switch; - single-phase upgraded power outlet; - single-phase upgraded power outlet – cooling and heating system; The number of elements and their positioning should be in accordance with the drawings attached herein. - PVC wall switchboard with automatic fuses; - 1 Input IP board. 						
14.	<p>Gable (dual-pitched) roof construction and eaves – turn-key project, horizontal projection approximately in addition columns according to the types</p> <p>Construction, transport and montage of roof construction, fabricated of steel lattice structure (dimensioning according to static calculation), minimum slope 10%, steel-galvanized-plasticized sheet metal covering, d=0.5mm, with set of moldings and slat,</p>	3 pcs of 315m2 approx.	2 psc of 452m2 approx.	9 psc of 637m2 approx.	5 psc of 775m2 approx.	Approximately 11.457,00 m2	<i>Compliant with requirement.</i>

	<p>positioned on steel sub-construction.</p> <p>The roof construction must include: full patching, horizontal and vertical gutters and lightning strikes protection.</p>						
15	<p>Preparation of construction site: removing (clearing), disposing, leveling and substrate (ground) preparation for montage of modular prefabricated containers.</p> <p>The position includes:</p> <ul style="list-style-type: none"> - Remove and dispose the vegetation to the landfill site. Establish and set out the facility pursuant the earthworks regulations approximately according to the drawings attached herein. - Excavate 3rd (III) category land dispose approximately according to the drawings attached herein. - Embankment and intersection of the ground. - Procurement, transport and embankment of gravel under the ground slab (foundation), including: applying, planning and inserting with vibrations d.=10-20cm until minimum bearing capacity. - Construction of reinforced concrete ground slab, d.= 20cm, approximately according 	3 pcs of 378 m2 aprox.	2 psc of 548 m2 aprox.	9 psc of 749 m2 aprox.	5 psc of 871 m2 aprox.	Approximately 13326,00 m2	<i>Compliant with requirement.</i>

to the drawings attached herein. - Insertion of water supply and sanitation plug to the facility - Providing pedestrian access routes							
---	--	--	--	--	--	--	--

5. Inspections and Tests

We, Peak International Trade (Tianjin) Co., Ltd. confirms our good acceptance of the following inspections and tests:

- Final inspections and acceptance of the delivered goods be carried out to the final destinations (project locations). The Purchaser shall, with the full cooperation and assistance of the Supplier conduct a formal acceptance of the Goods to verify their compliance with the terms of the Contract.
- If the products do not meet the requirements of the technical specification within fifteen (15) days of acceptance by the Purchaser, we will do the replacement per formal request in written.
- Acceptance notice is issued when the goods have met the requirements of the technical specifications of the Purchaser's offer
- The product warranty period will formally commence on the date of issue of the Letter of Acceptance.



SECTION 2 – TECHNICAL PROPOSAL IN DETAILS

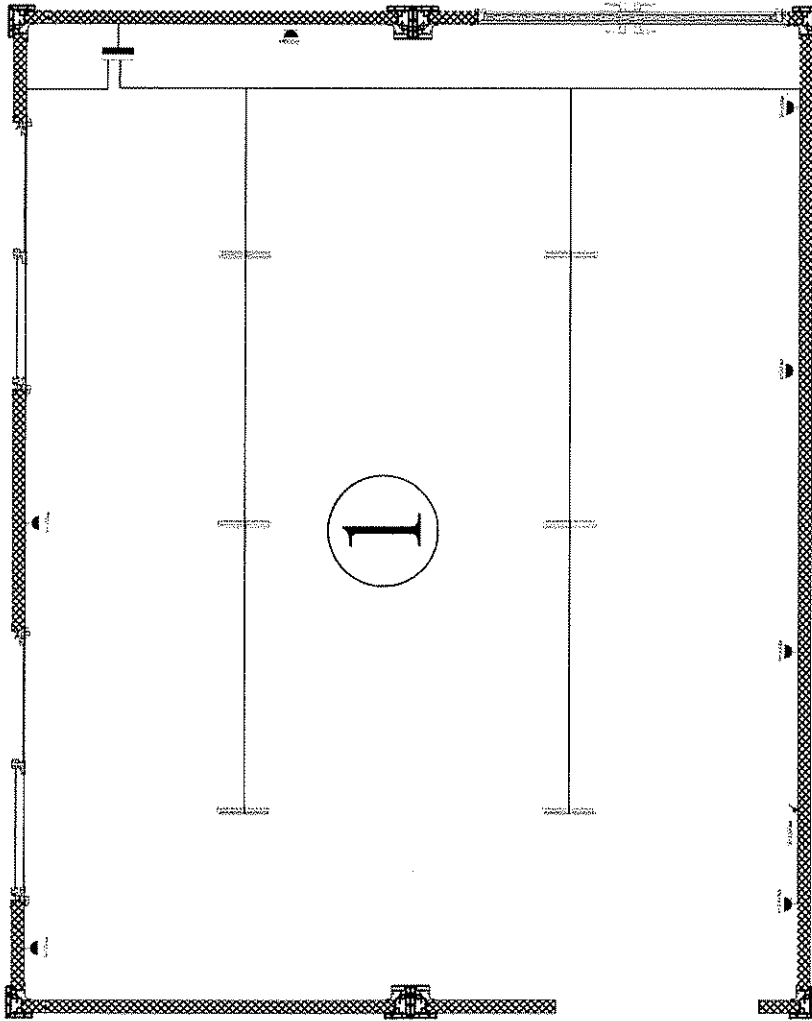
- DRAWINGS
- STANDARD COMPARATION
- DESIGN CALCULATION (Reference pages attached only)
- PRODUCT CATALOGUE FOR FLAT PACK HOUSE
- REMARKS FOR THE TENDER

Index of Drawing

NO	ITEM	DRAWING
1	circuit diagram	Type 1 circuit diagram
		Type 2 circuit diagram
		Type 3 circuit diagram
		Type 4 circuit diagram
		Type 5 circuit diagram
		Type 6 circuit diagram
		Type 7 circuit diagram
		Type 8 circuit diagram
		Type 9 circuit diagram
		Type 10 circuit diagram
		Type 11 circuit diagram
		Type 12 circuit diagram
		Type 13 circuit diagram
		Type A circuit diagram
Type B circuit diagram		
Type C circuit diagram		
Type D circuit diagram		
2	Drainage plan	Type 3 Drainage plan
		Type 4 Drainage plan
		Type 5 Drainage plan
		Type 10 Drainage plan
		Type 13 Drainage plan
3	Elevation	Type A Elevation
		Type B Elevation
		Type C Elevation
		Type D Elevation
4	Foundation layout	Type A Foundation layout
		Type B Foundation layout
		Type C Foundation layout
		Type D Foundation layout
5	Foundation lightning protection	Type A Foundation lightning protection
		Type B Foundation lightning protection
		Type C Foundation lightning protection
		Type D Foundation lightning protection
6	Roof lightning protection	Type A Roof lightning protection
		Type B Roof lightning protection
		Type C Roof lightning protection
		Type D Roof lightning protection
7	Roof plan	Type A Roof plan
		Type B Roof plan
		Type C Roof plan
		Type D Roof plan
8	Roof truss plan	Type A Roof truss plan
		Type B Roof truss plan
		Type C Roof truss plan
		Type D Roof truss plan
		Type 1 Single structure drawing
		Type 2 Single structure drawing

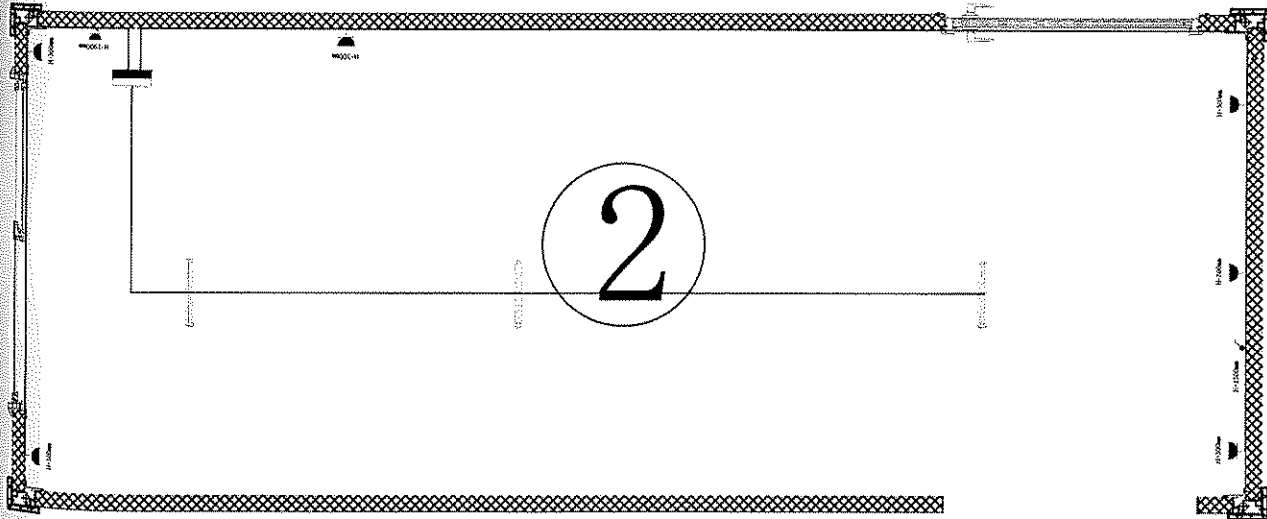
9	Single structure drawing	Type 3 Single structure drawing
		Type 4 Single structure drawing
		Type 5 Single structure drawing
		Type 6 Single structure drawing
		Type 7 Single structure drawing
		Type 8 Single structure drawing
		Type 9 Single structure drawing
		Type 10 Single structure drawing
		Type 11(a) Single structure drawing
		Type 11(b) Single structure drawing
		Type 12 Single structure drawing
		Type 13 Single structure drawing
		10
Type B Structural layout plan		
Type C Structural layout plan		
Type D Structural layout plan		

Number	Icon	Name	Specification and model	Unit	Quantity	Installation method
1	switch panel	switch panel	model	PCS	1	Top of wall installation Concealed
2	Electrical switch	Electrical switch		PCS	1	Installation
3	Electrical socket	Electrical socket		PCS	6	Installation
4	Power receptacle	Power receptacle		PCS	1	Installation
5	LED conditioner	LED conditioner	18W	PCS	6	With the suction a
6	Plate	Plate		PCS	1	top
7		SPD		PCS	1	
8		A-SW		PCS	1	

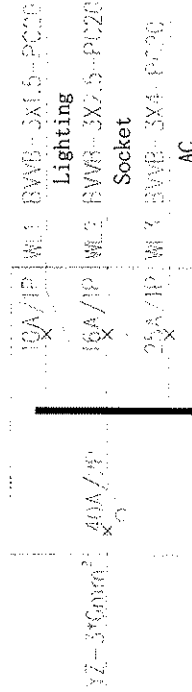


107/101 01WB-315 PCS
Lighting
168/101 01WB-315 PCS
Socket
107/101 01WB-315 PCS
AC

107/101 01WB-315 PCS



Number	Icon	Name	Specification and model	Unit	Quantity	Installation method
1		switch panel	10A/1P	PCS	1	Top frame installation Concealed
2		Electrical socket	Single-phase upgrade	PCS	1	Concealed installation
3		Electrical socket	Single-phase upgrade	PCS	6	Concealed installation
4		Power receptacle	Single-phase upgrade	PCS	1	Concealed installation
5		air conditioned	18W	PCS	3	With the suction a
6		IP light		PCS	1	top
7		Plate SPD		PCS	1	
8		A-SW		PCS	1	



国建绿住(天津)科技有限公司

项目负责人
章定
章

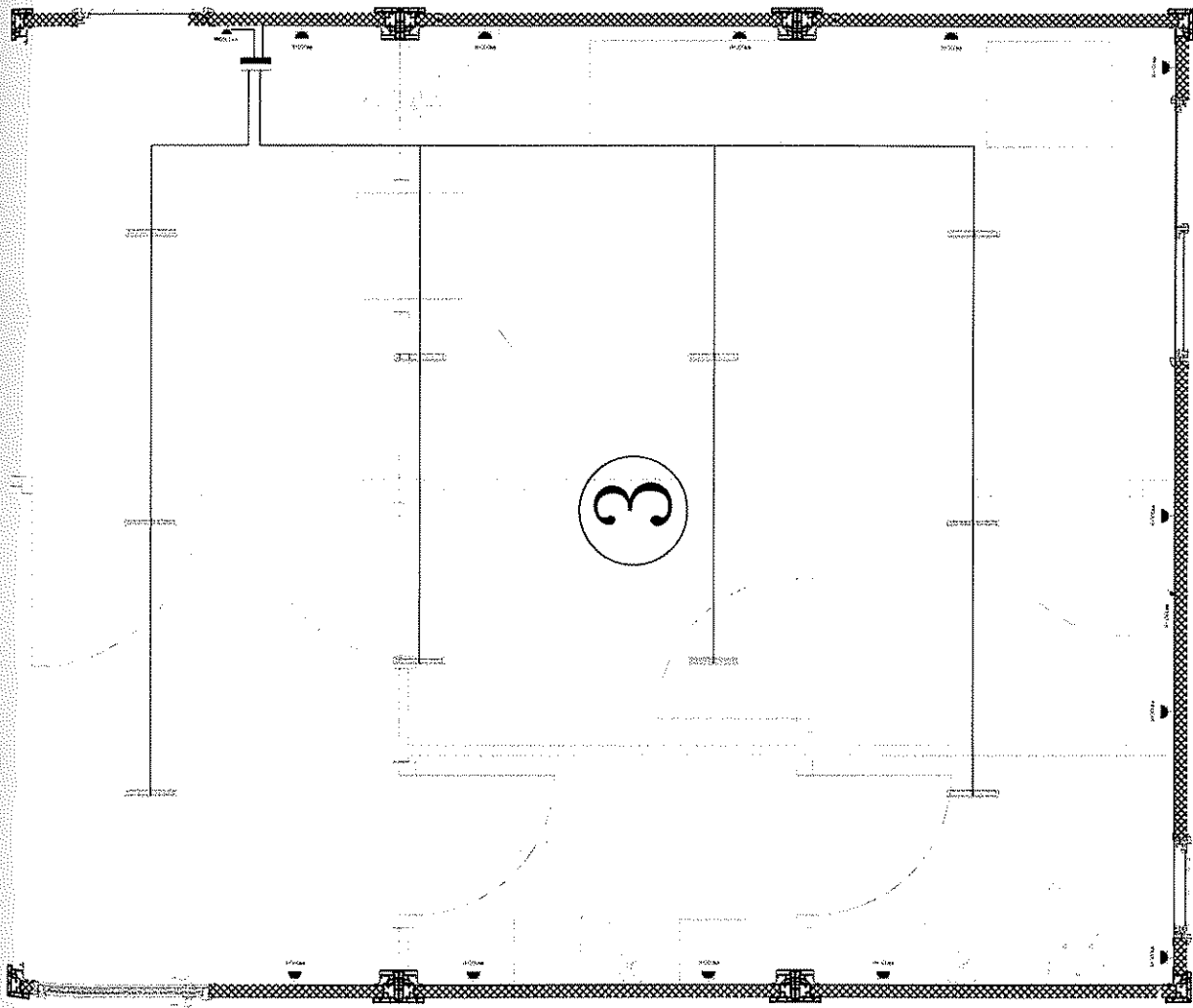
项目名称
分项名称
项目材料

册名

Type 2

册号
册名
册号

册号 A3
册号 150
册号 2020.10



Number	Icon	Name	Specification and model	Unit	Quantity	Installation method
1	—	switch panel	1000W	PCS	1	Top frame installation
2	●	Electrical switch	1000W	PCS	1	Concealed installation
3	●	Electrical socket	Single-phase upgrade	PCS	12	Concealed installation
4	●	Power receptacle	Single-phase upgrade	PCS	1	Concealed installation
5	—	LED condenser light	18W	PCS	10	Installation with the 11-1900mm
6	—	Plate SPD		PCS	1	With the suction a top
7				PCS	1	
8		A-SW		PCS	1	

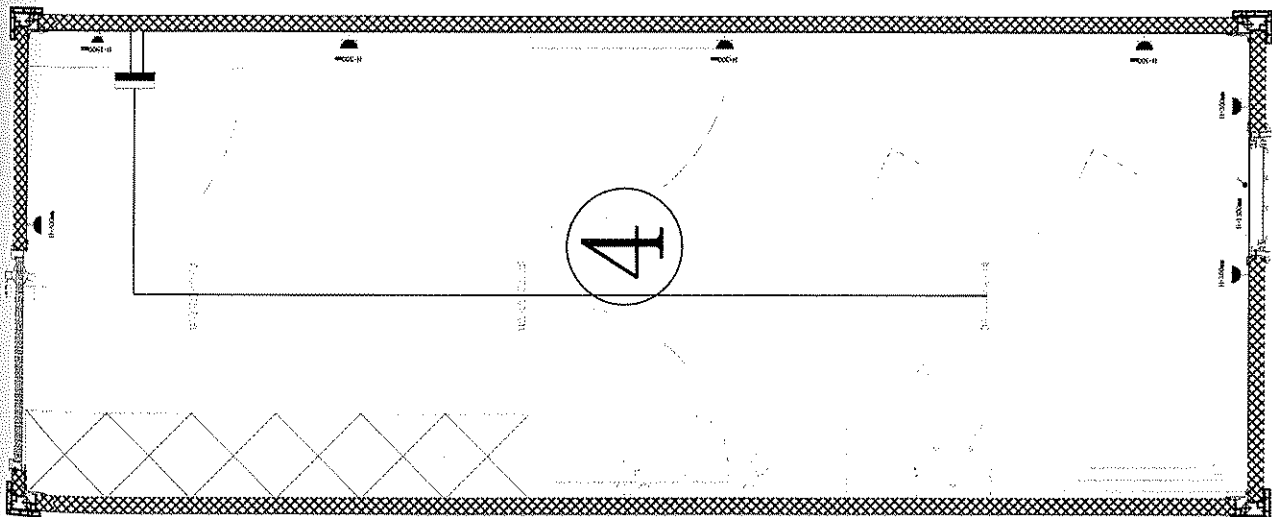
10A/1P/1W/1 BVWB-3X1.5-1P/10
Lighting
10A/1P/1W/2 BVWB-3X2.5-1P/20
Socket
10A/1P/1W/3 BVWB-3X4-1P/30
AC

国建绿住（天津）科技有限公司

项目负责人	设计	审核	项目数量	分项数量	项目编号

Type 3

册号	数量	A3
专业	张数	1-50
姓名	日期	2020.10

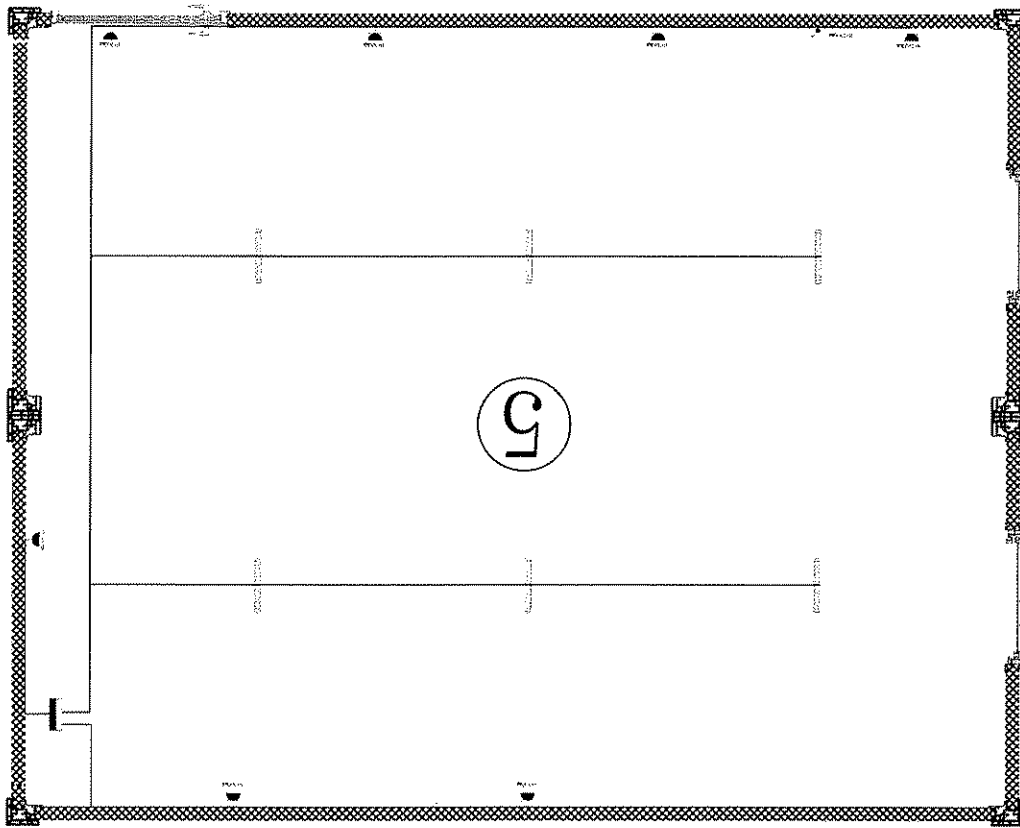


Number	Icon	Name	Specification and	Unit	Quantity	Installation method
1	—	switch panel	PC wall	PCS	1	Top frame installation Concealed
2	●	Electrical switch		PCS	1	installation
3	⬇	Electrical socket	Single-phase upgrade	PCS	6	Concealed installation
4	⬆	Power receptacle	Single-phase upgrade	PCS	1	Concealed installation
5	—	- all LED conditioner	18W	PCS	3	With the IP=1900mm
6	—	IP light		PCS	1	suction a top
7		Plate SPD		PCS	1	
8		A-SW		PCS	1	

Y7 316mm 40A/50
 100A/1P/1W 1-BWVB 3X1.5-PC20
 Lighting
 100A/1P/1W 2-BWVB 3X2.5-PC20
 Socket
 250A/1P 3-BWVB 3X4-PC20
 AC

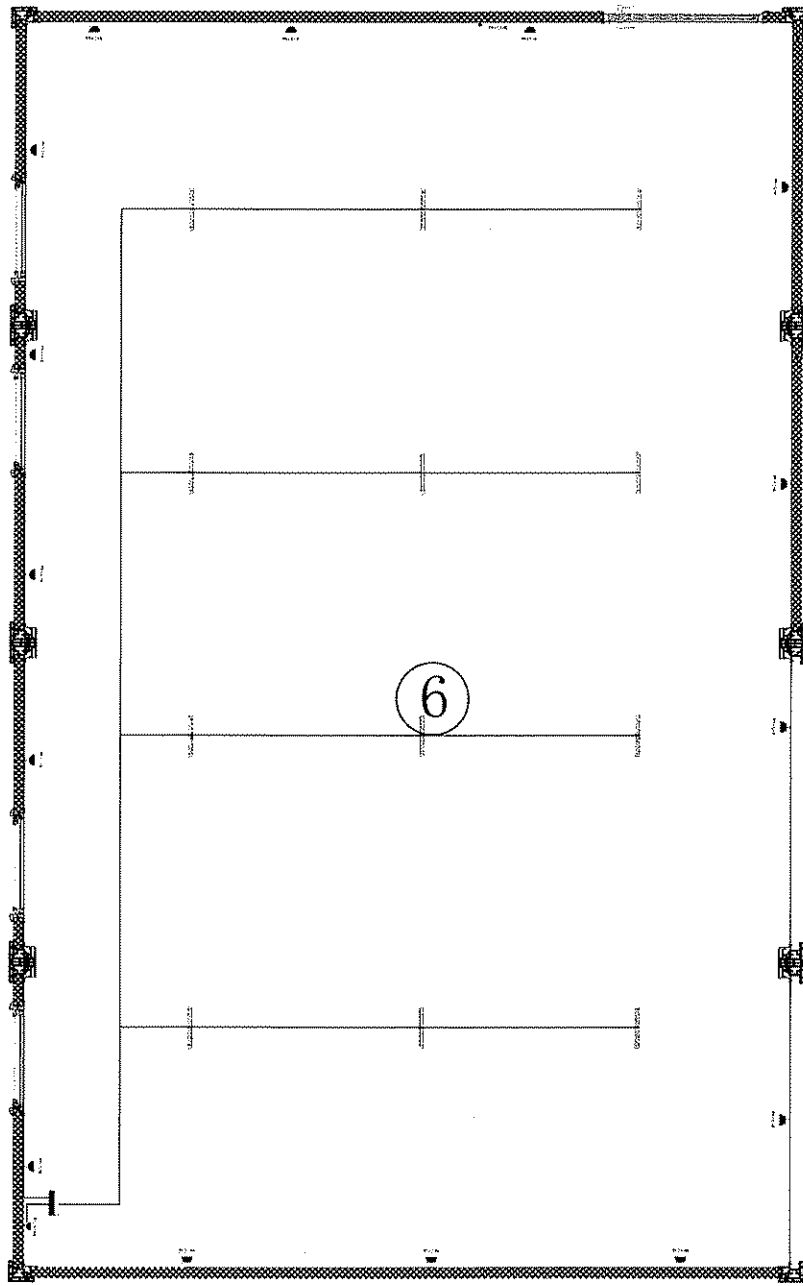
国建绿住(天津)科技有限公司

项目负责人	项目经理	姓名	职务	姓名	职务
章定	李国栋	李国栋	项目经理	李国栋	项目经理
章定	李国栋	李国栋	项目经理	李国栋	项目经理
章定	李国栋	李国栋	项目经理	李国栋	项目经理
Type 4					
图号	数量	比例	日期	图幅	备注
A3	150	1:50	2020.10		



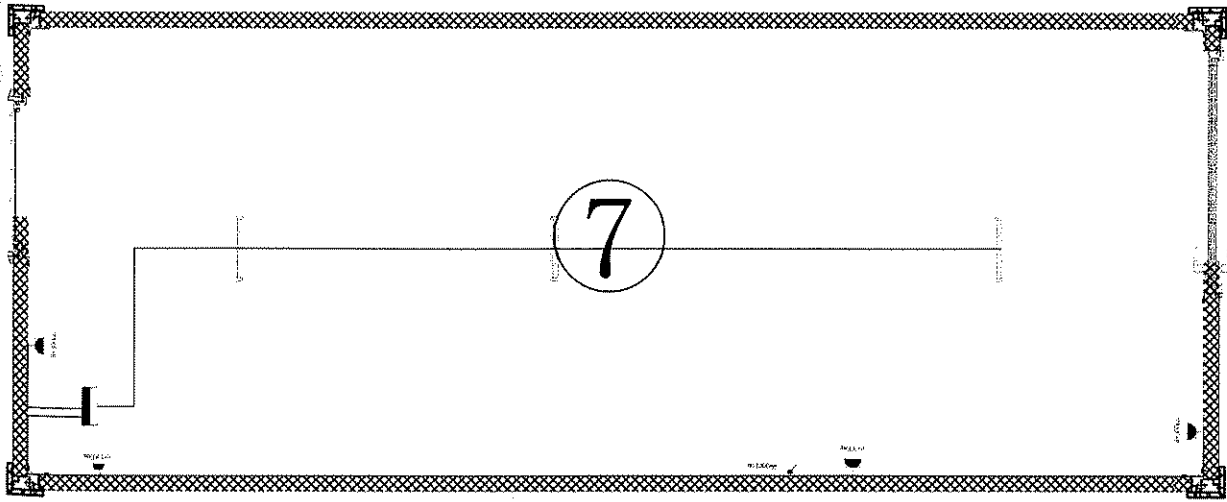
Number	Icon	Name	Specification and	Unit	Quantity	Installation method
1	switch panel	switch panel	1000*600	PCS	1	Top-down installation
2	Electrical switch	Electrical switch	1000*600	PCS	1	Concealed installation
3	Electrical socket	Electrical socket	Single-phase upgrade	PCS	6	Concealed installation
4	Power outlet	Power outlet	Single-phase upgrade	PCS	1	Concealed installation
5	hot LED water boiler	hot LED water boiler	18W	PCS	6	With the structure
6	plate	plate		PCS	1	top
7	SPD	SPD		PCS	1	
8	A-SW	A-SW		PCS	1	

1. 照明灯具 (Lighting)
 2. 插座 (Socket)
 3. 热水锅炉 (Power receptacle - hot water boiler)
 4. 配电箱 (Power distribution box)
 5. 防雷器 (SPD)
 6. 开关 (Switch)

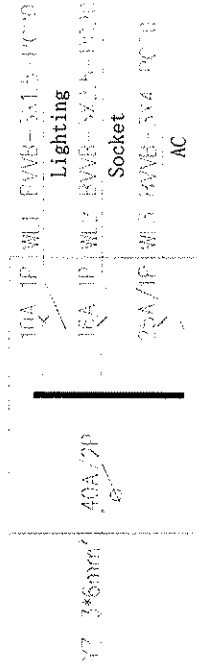


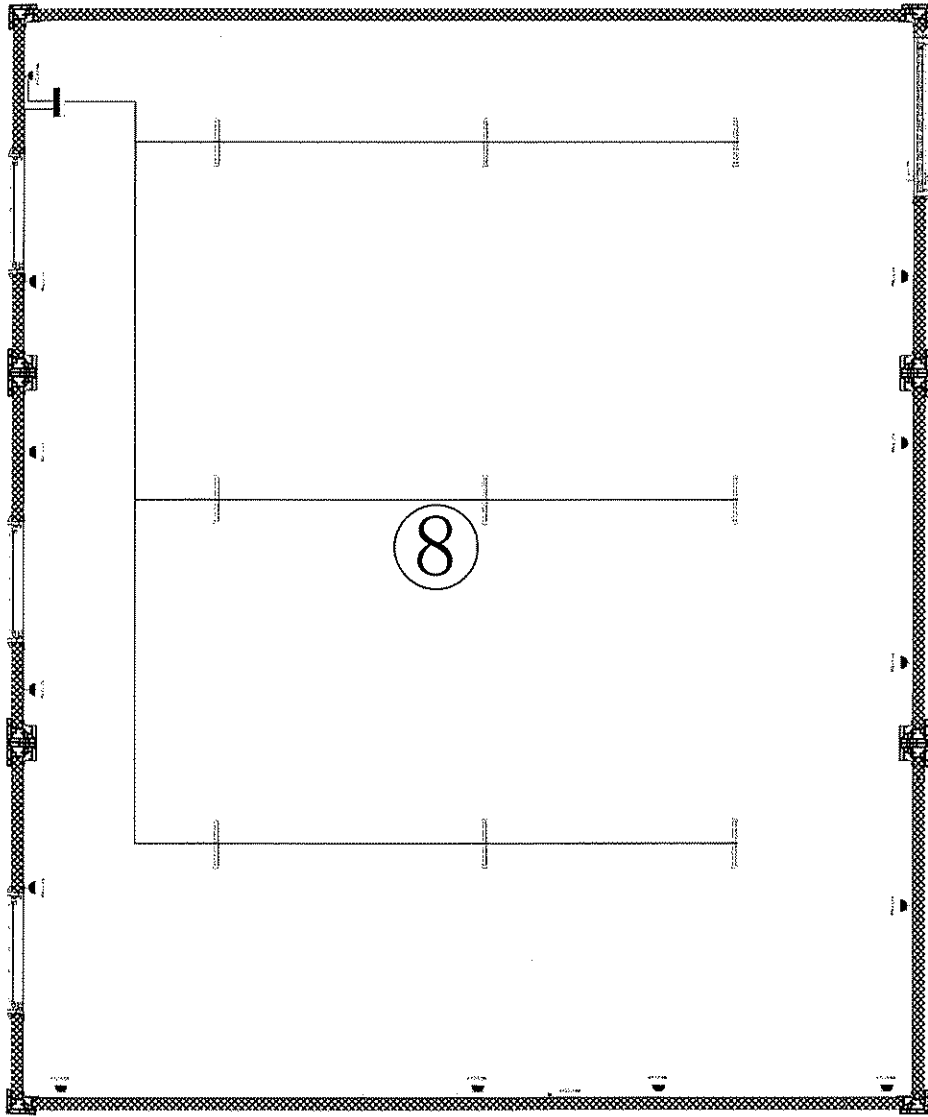
Number	Item	Name	Specification	Unit	Quantity	Installation method
1	switch	switch	PCS	PCS	1	Top-down installation
2	Electrical socket	Electrical socket	PCS	PCS	1	Installation
3	Single-phase socket	Single-phase socket	PCS	PCS	15	Installation
4	Single-phase receptacle	Single-phase receptacle	PCS	PCS	1	Installation
5	100W power conditioner	100W power conditioner	PCS	PCS	12	With the installation
6	100W power conditioner	100W power conditioner	PCS	PCS	1	With the installation
7	100W power conditioner	100W power conditioner	PCS	PCS	1	With the installation
8	100W power conditioner	100W power conditioner	PCS	PCS	1	With the installation

1. 本图由设计单位提供，请妥善保管。
 2. 本图仅供施工参考，不作为法律依据。
 3. 本图如有变更，请及时通知。
 4. 本图如有错误，请及时通知。
 5. 本图如有遗漏，请及时通知。
 6. 本图如有其他问题，请及时通知。
 7. 本图如有其他问题，请及时通知。
 8. 本图如有其他问题，请及时通知。
 9. 本图如有其他问题，请及时通知。
 10. 本图如有其他问题，请及时通知。



Number	Icon	Name	Specification and model	Unit	Quantity	Installation method
1	—	switch panel	PCS	PCS	1	Top frame installation
2	•	Electrical socket	wall	PCS	1	Concealed installation
3	⌒	Electrical socket	Single-phase upgrade	PCS	3	Concealed installation
4	⌒	Power receptacle	Single-phase upgrade	PCS	1	Concealed installation
5	—	air PD conditioner	18W	PCS	3	With the H=1900mm suction a
6	—	IP light		PCS	1	top
7	—	Plate SPD		PCS	1	
8	—	A-SW		PCS	1	





Number	Icon	Name	Specification and unit	Quantity	Installation method
1	—	switch board	PCS	1	Top-down installation
2	•	Electrical socket	PCS	1	Installation
3	◐	Power receptacle	Single-phase upgrade PCS	12	Installation
4	◑	1P 16A SPD	Single-phase upgrade PCS	1	Installation
5	—	1P 16A SPD	16W PCS	9	Installation with the supervision
6	—	1P 16A SPD	PCS	1	Installation
7	—	1P 16A SPD	PCS	1	Installation
8	—	A-SW	PCS	1	Installation

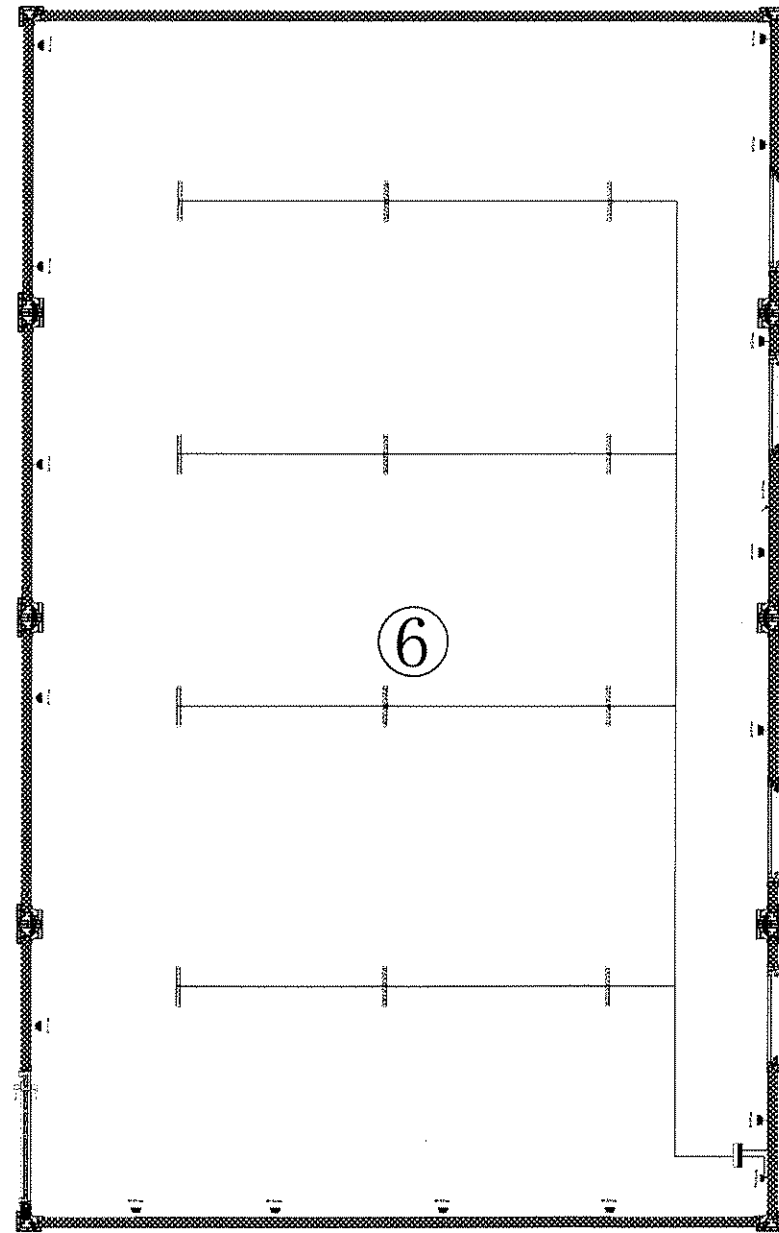
1P/1P WL1 BVVB 5A/5-PC20
Lighting
1P/1P WL2 BVVB 5A/5-PC20
Socket
25A/1P WL3 BVVB 5A/5-PC20
AC

国建绿住(天津)科技有限公司

项目负责人	章 亮	专业负责人	章 亮	项目经理	章 亮
章 亮	章 亮	章 亮	章 亮	章 亮	章 亮

图名	Type 8		
图号	专章	图章	图章

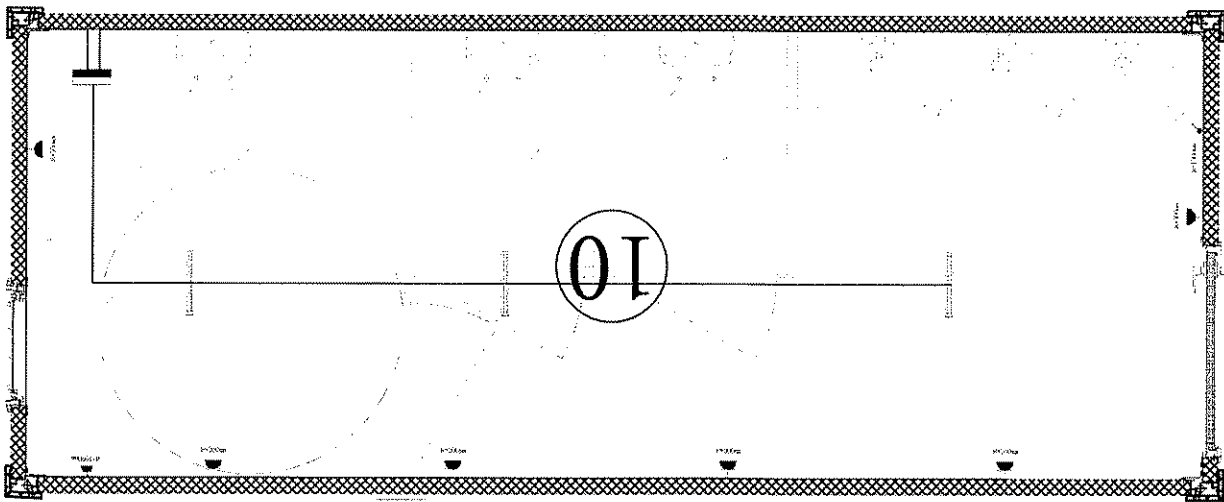
图幅	A3
比例	1:50
日期	2020.10



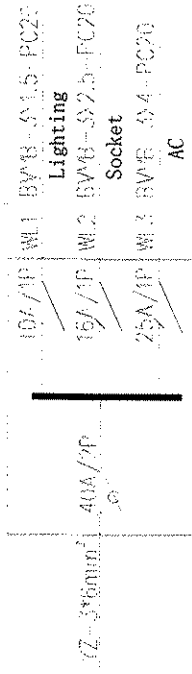
Number	Icon	Name	Specification and unit	Unit	Quantity	Installation method
1	⚡	switch board	PCS	PCS	1	Top-down installation
2	🔌	Electrical socket	PCS	PCS	1	Installation
3	🔌	Electrical socket	PCS	PCS	15	Installation
4	🔌	Power receptacle	PCS	PCS	1	Installation
5	—	Lighting fixture	PCS	PCS	12	Installation
6	—	Lighting fixture	PCS	PCS	1	Installation
7	—	SPD	PCS	PCS	1	Top-down installation
8	—	A-SW	PCS	PCS	1	Top-down installation

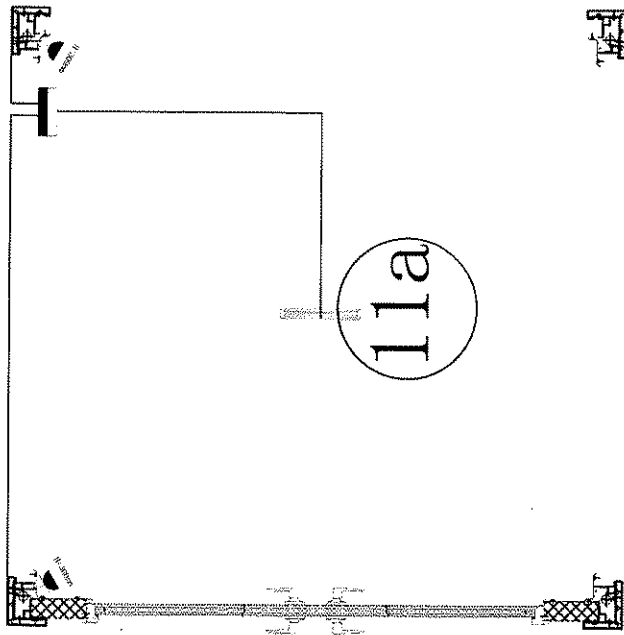
1. 10A / 1P / 2W / 1 (BVVR-3VL5-PC30)
 2. 10A / 1P / 2W / 2 (BVVR-3VL5-PC30)
 3. 25A / 1P / 4W / 3 (BVVR-3M4-PC30)
 AC
 Light fixture
 Socket

国建绿住（天津）科技有限公司 Type 9		图名 Type 9	图号 A3	数量 150	日期 2020.10
项目负责人 章 斌	专业负责人 黄 斌	审核 黄 斌	编制 黄 斌	校对 黄 斌	日期 2020.10

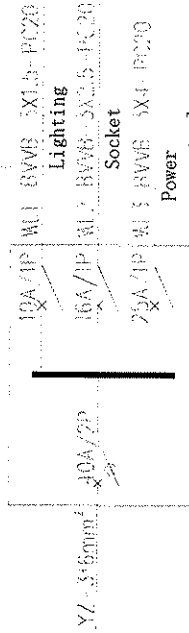


Number	Icon	Name	Specification and and	Unit	Quantity	Installation method
1		switch panel	100A wall	PCS	1	To frame installation Concealed
2		Electrical switch		PCS	1	Installation
3		Electrical socket	Single-phase upgrade	PCS	6	Concealed installation
4		power receptacle	Single-phase upgrade	PCS	1	Concealed installation
5		LED conditioner	18W	PCS	3	With the suction a top
6		IP light		PCS	1	
7		Plate SPD		PCS	1	
8		A-SW		PCS	1	

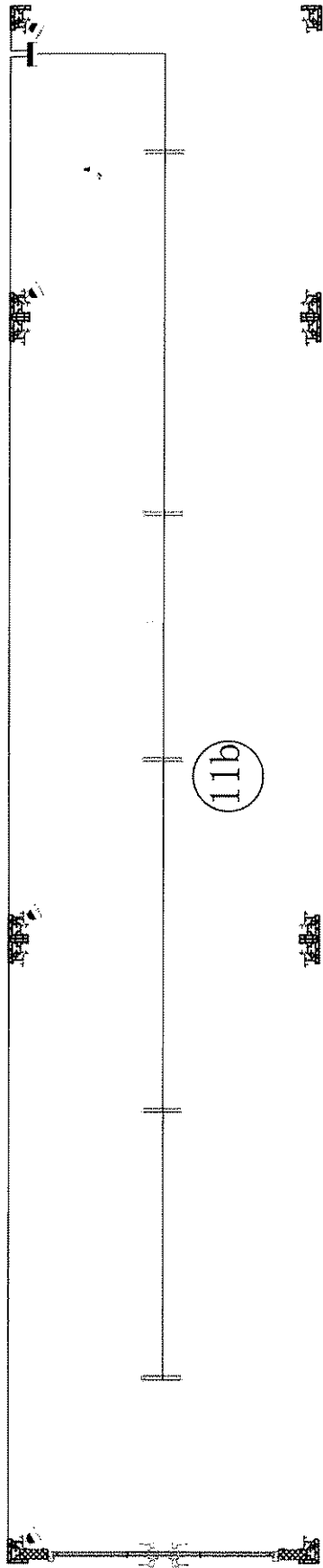




Number	Icon	Name	Specification and model	Unit	Quantity	Installation method and
1	—	switch board	PVC wall	PCS	1	Top of the installation
2	—	Electrical socket	Single-phase upgrade	PCS	1	Concealed installation H=300mm
3	—	power outlet receptacle - Cooling and heating systems	Single-phase upgrade	PCS	1	Concealed installation H=300mm
4	—	IP Plate	18W	PCS	2	With the suction a top
5	—	SPD		PCS	1	
6	—	A-SW		PCS	1	



Power receptacle
- Cooling and heating systems



11b

Number	Icon	Name	Specification and unit	Unit	Quantity	Installation method
1	—	switch board	PCS	PCS	1	Top frame installation
2	⚡	Electrical socket	Single-phase upgrade	PCS	3	Concealed installation
3	⚡	Power receptacle	Single-phase upgrade	PCS	1	Concealed installation
4	—	Circuit breaker and lighting accessories	18W	PCS	5	With the top
5	—	—	—	PCS	1	—
6	—	SPP	—	PCS	1	—
7	—	A-SW	—	PCS	1	—

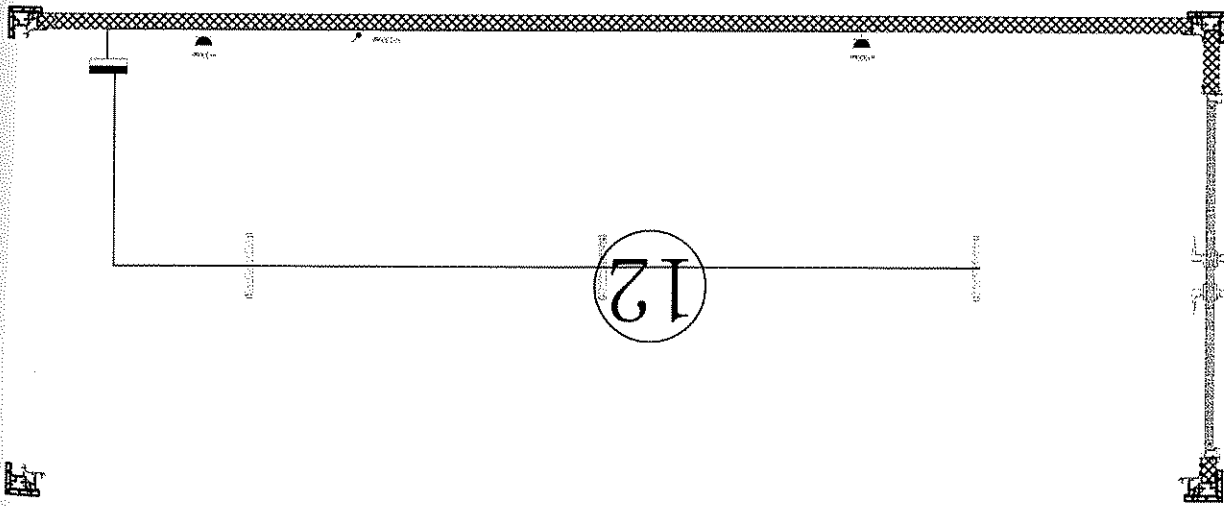
YZ-350mm KA/DP
 KA/DP, W1, B, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100
 KA/DP, W1, B, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100
 Socket
 Power receptacle - Cooling and heating systems

项目负责人	专业负责人	审核人	日期
曹天	蔡青		
曹天	蔡青		
曹天	蔡青		

图名
Type 11(b)

图号	比例	日期
专业	1:50	
阶段		2020.10

图例 A3



Number	Icon	Name	Specification and and	Unit	Quantity	Installation method
1		switch panel	mod PC wall	PCS	1	Top frame installation Concealed
2		Electrical switch		PCS	1	Concealed installation
3		Electrical socket	Single-phase upgrade	PCS	1	Concealed installation H=300mm
4		outlet	Single-phase upgrade	PCS	1	Concealed installation H=300mm
5		LED light	18W	PCS	2	With the suction a top
6		Lighting Plate		PCS	1	
7		SPD		PCS	1	
8		A-SW		PCS	1	

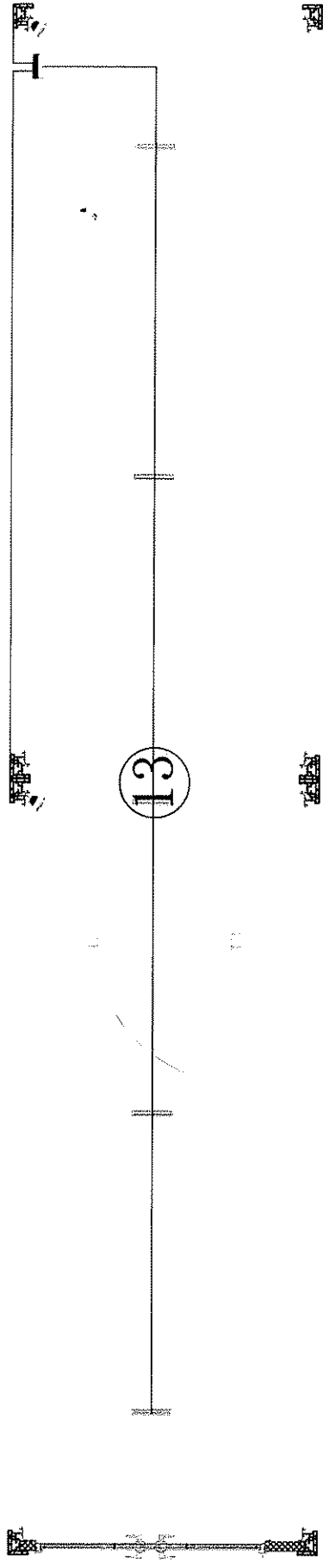
YZ-3*6mm² 40A/2P
 10A/1P WL1 BVVE-3X1.5-PC40
 Lighting
 16A/1P WL2 BVVE-3X2.5-PC40
 Socket
 25A/1P WL3 BVVE-3X4-PC20
 Power receptacle - Cooling and heating systems

国建绿住(天津)科技有限公司

项目负责人	项目核算	姓名
专业	分理核算	
职称	项目核算	

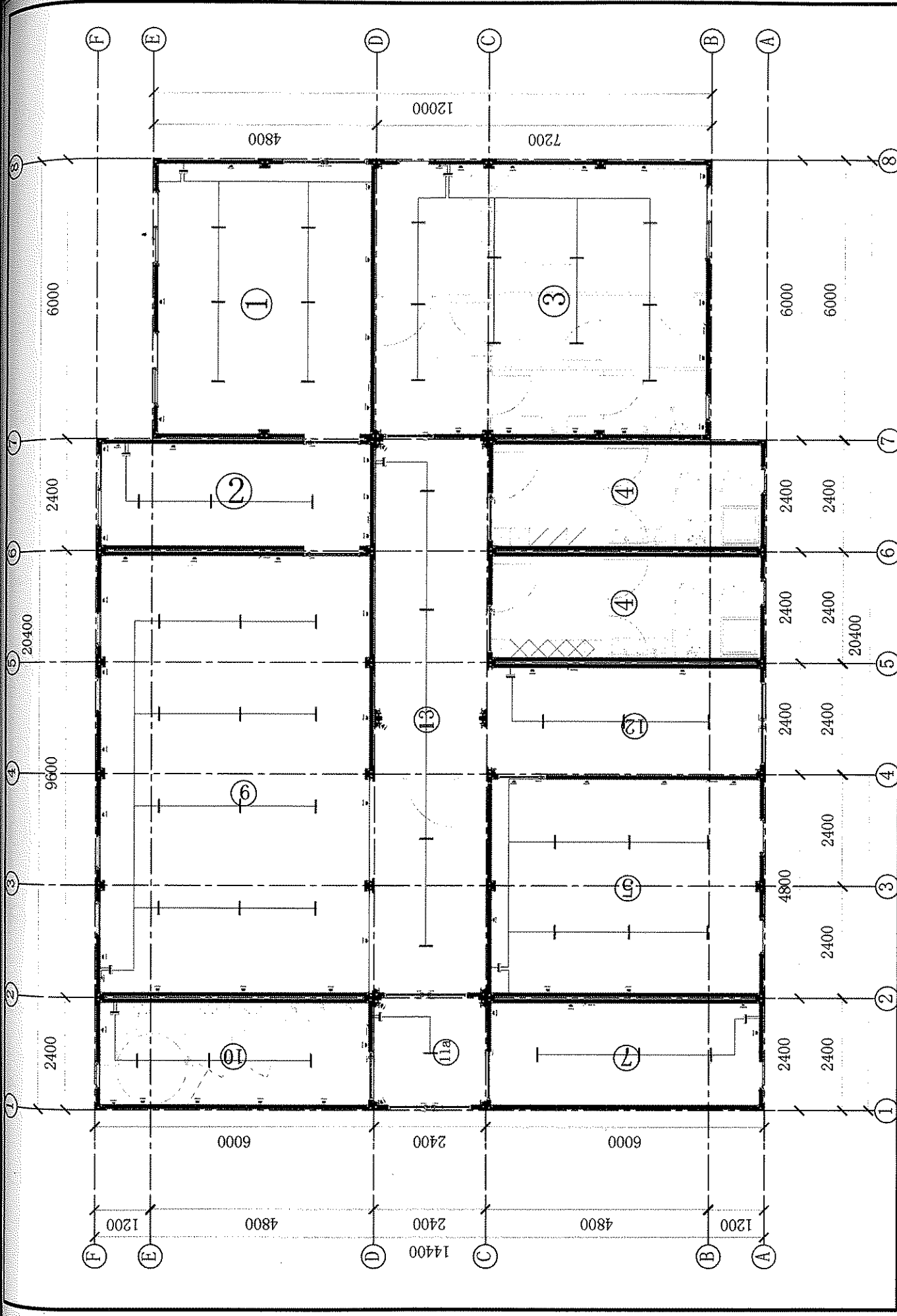
Type 12

图号	图幅	A3
专业	比例	1:50
阶段	日期	2020.10

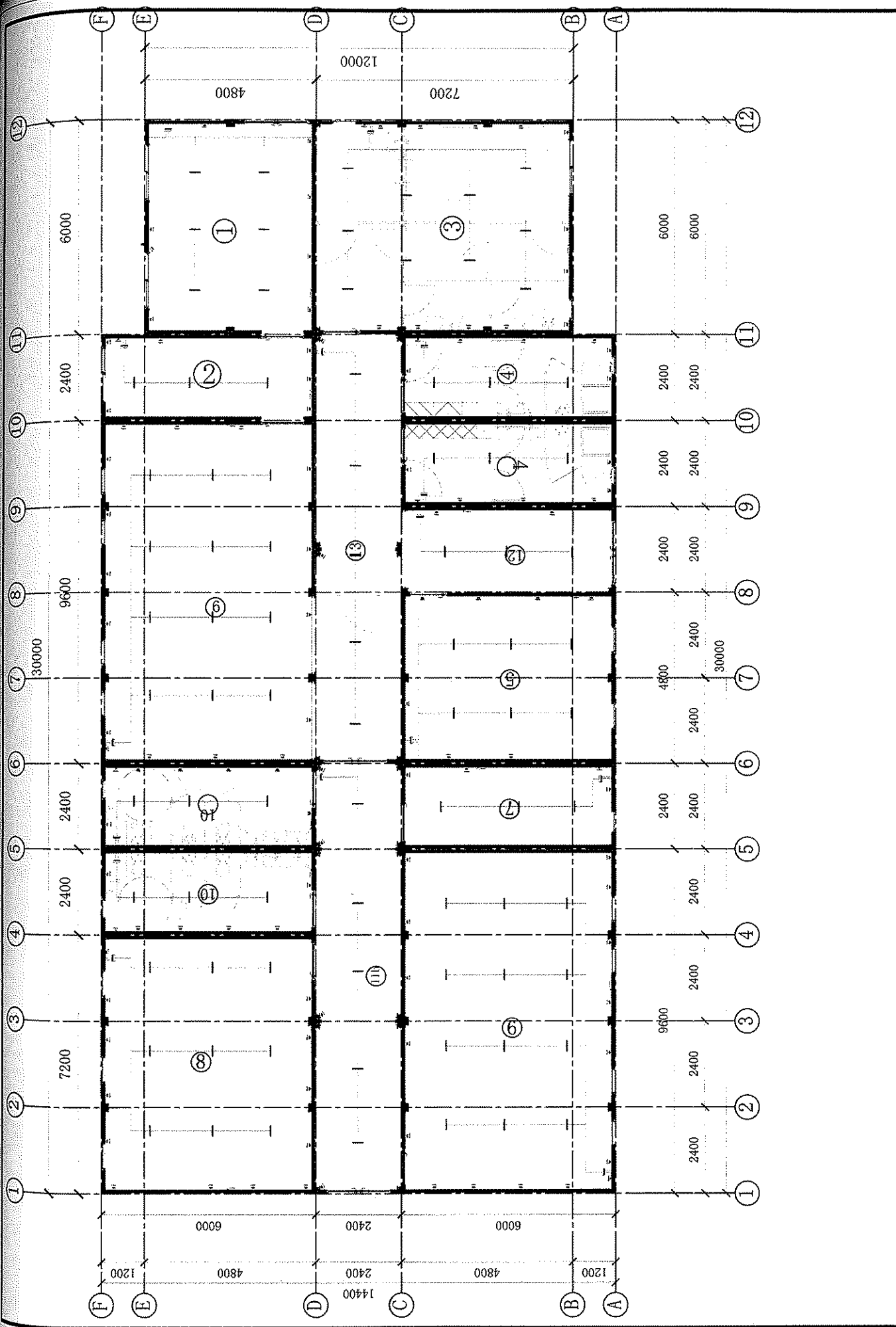


Number	Icon	Name	Specification and model	Unit	Quantity	Installation method
1	Switch symbol	switch		PCS	1	Top frame installation
2	Electrical symbol	Electrical		PCS	1	Concealed installation
3	Socket symbol	Electrical socket	Single-phase upgrade	PCS	1	Concealed installation
4	Socket symbol	Socket	Single-phase upgrade	PCS	1	Concealed installation (H=300mm)
5	Lighting symbol	LED light	18W	PCS	5	With the switch
6	Lighting symbol	Light		PCS	1	With the switch
7	Lighting symbol	SPD		PCS	1	Top
8	Lighting symbol	A-SW		PCS	1	

10A/1P/W1 BMB-3A3-PC20
 Lighting
 16A/1P/W2 BMB-3A2.5-PC20
 Socket
 25A/1P/W3 BMB-3A3-PC20
 Power receptacle - Cooling and heating systems

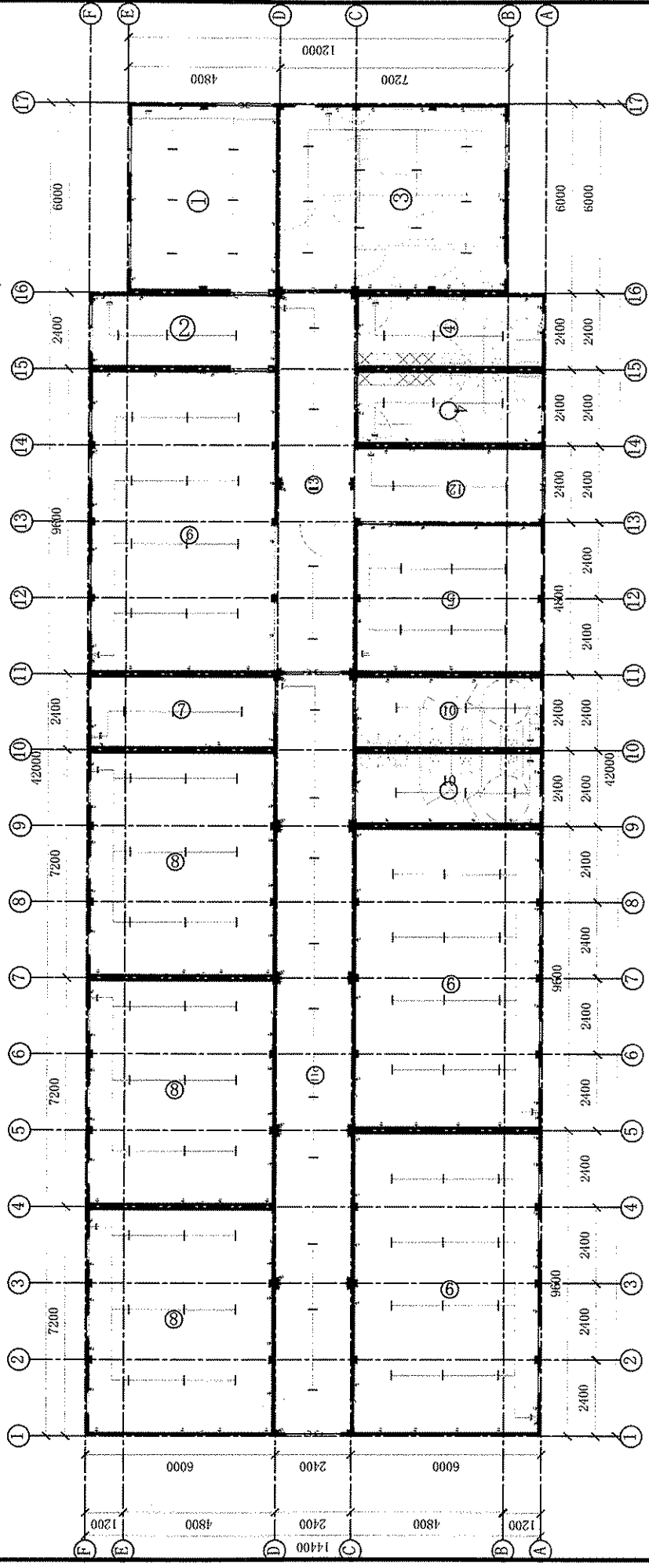


项目负责人		专业负责人		审核		日期	
姓名	签字	姓名	签字	姓名	签字	姓名	签字
图名				Type A			
图号	专业	日期	比例	图幅	日期	比例	图幅
国建绿住(天津)科技有限公司 图幅 A3 比例 1:50 日期 2020.10							



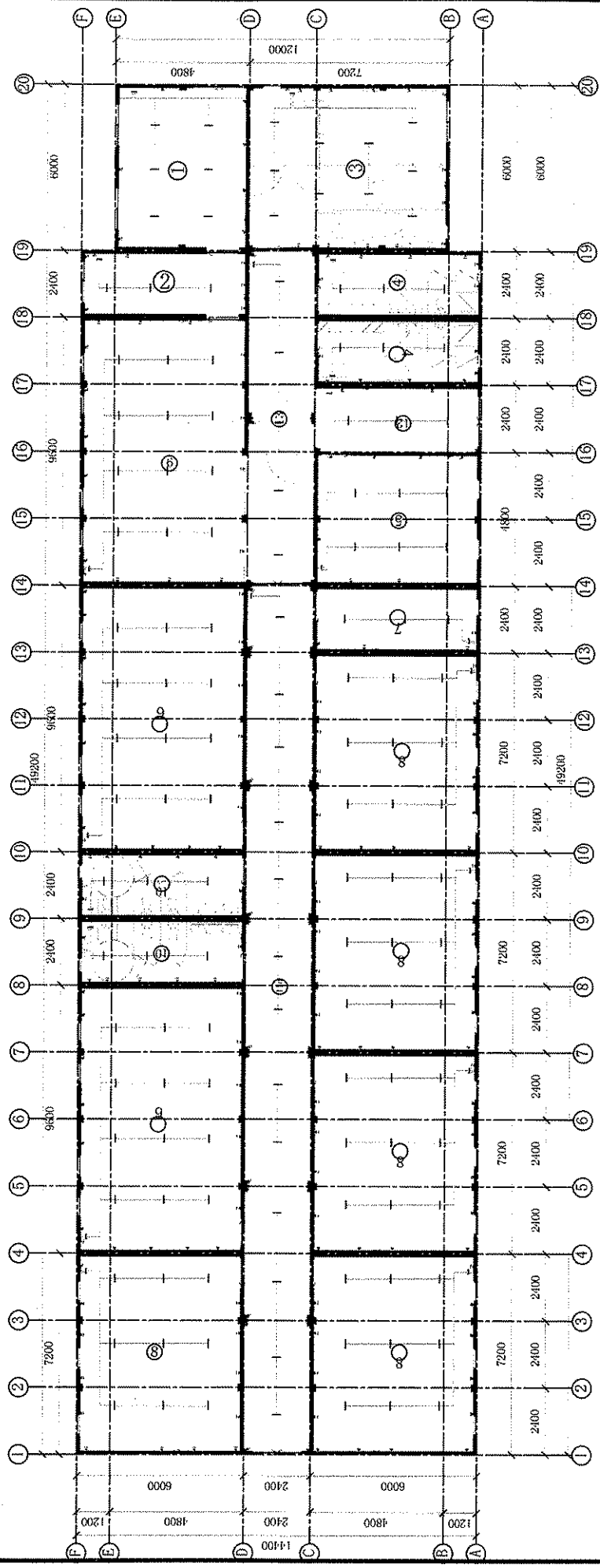
项目名称 专业设计 负责人 日期				项目名称 专业设计 负责人 日期				图名 Type B				图幅 A3 比例 1:50 日期 2020.10	
---------------------------	--	--	--	---------------------------	--	--	--	--------------	--	--	--	--------------------------------	--

国建绿住(天津)科技有限公司

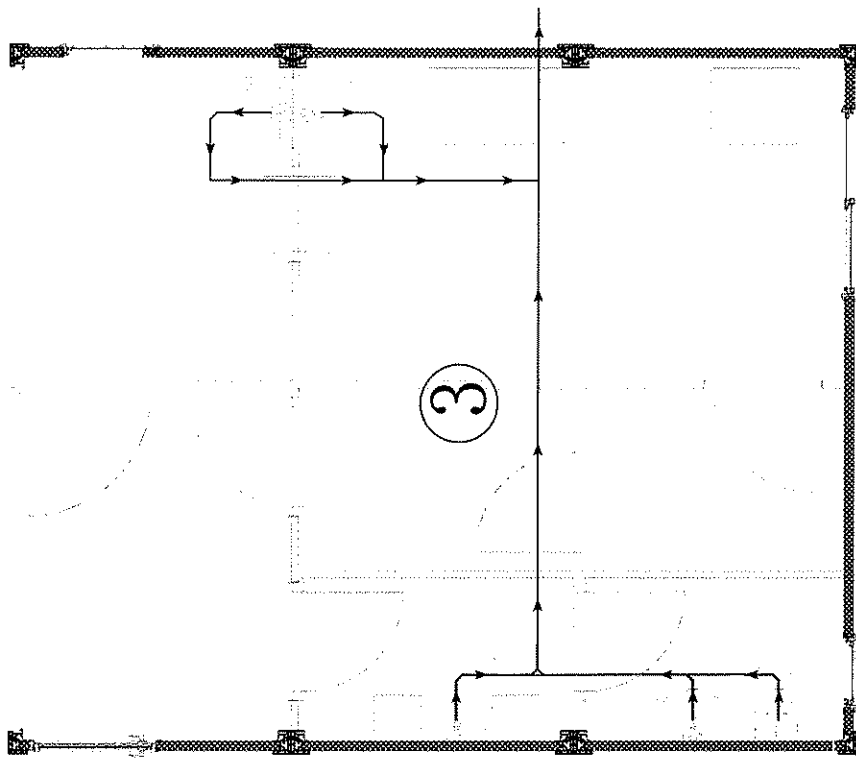


项目名称		工程名称		图名		图号		日期	
专业负责人	审核人	项目负责人	设计人	专业名称	图名	图号	日期	比例	图幅
卓 斌	卓 斌	卓 斌	卓 斌	建筑	Type C			1:50	A3
卓 斌	卓 斌	卓 斌	卓 斌	建筑					2020.10

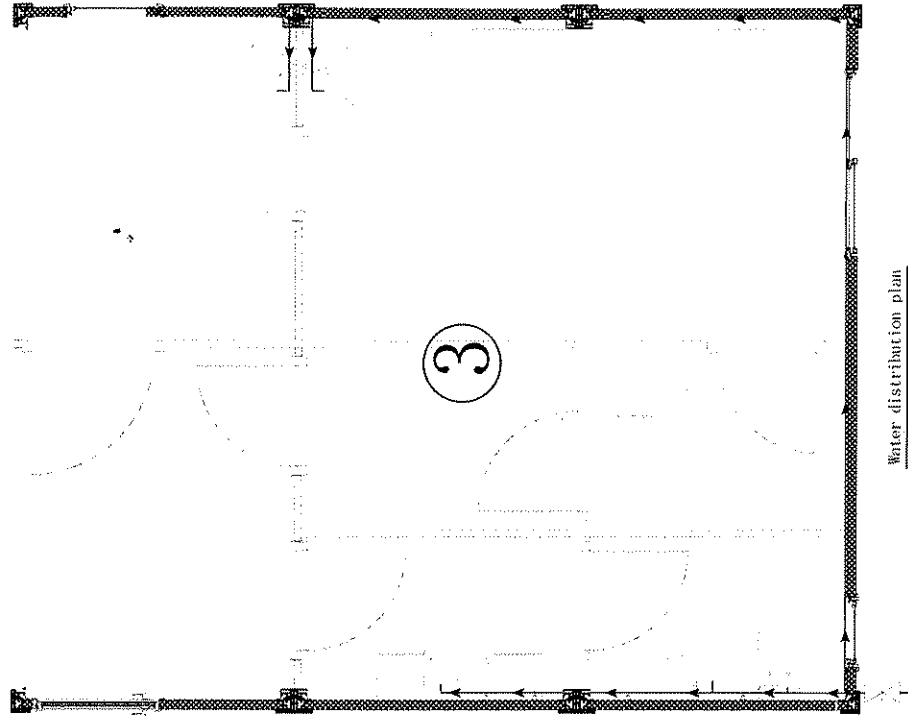
国建绿住(天津)科技有限公司



中国建筑 (天津) 科技有限公司			Type D			图号: 专业: 日期: 2020.10
项目负责人: 专业负责人:	项目主管: 审核:	项目设计师: 审核:	项目名称:	专业名称:	日期:	图名:



Drainage plan

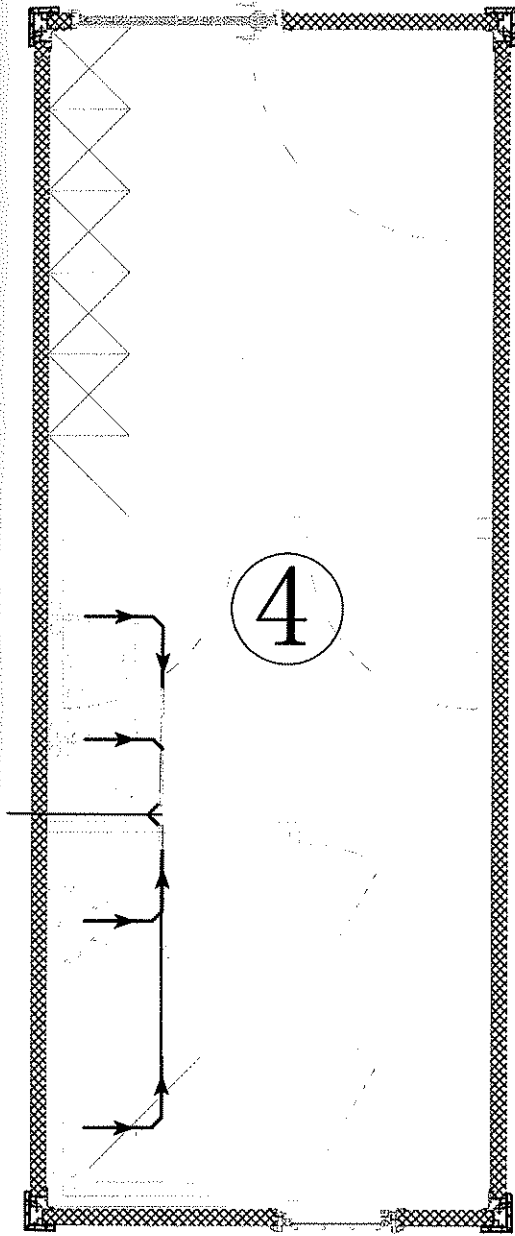


Water distribution plan

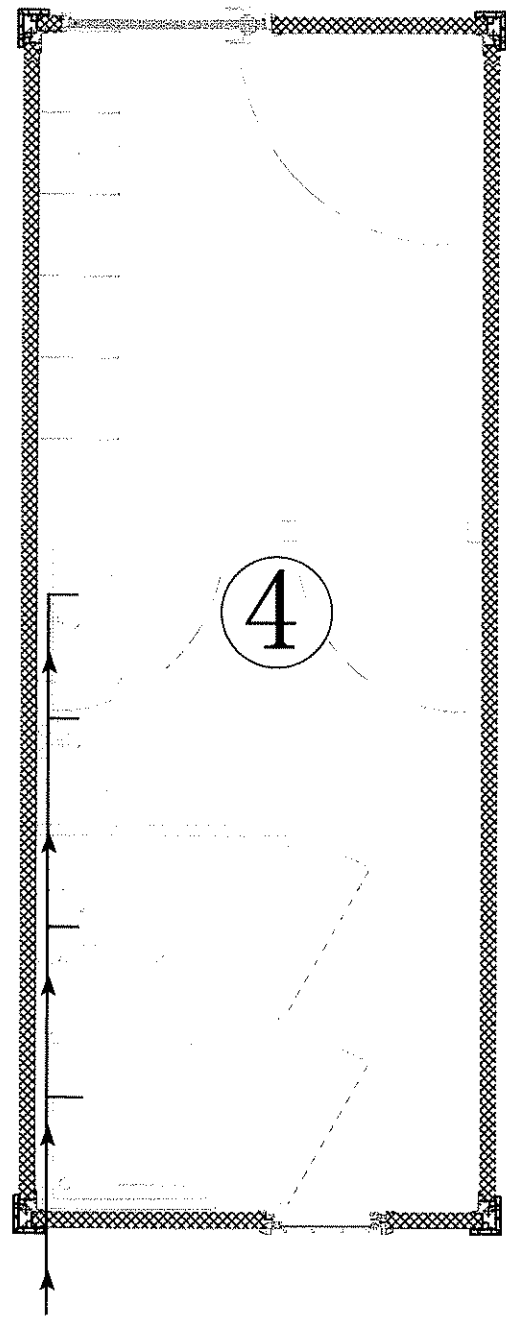
国建绿住（天津）科技有限公司

Type 3

项目负责人	项目负责人	项目专业	图号	图名	图号	比例	日期
卓文景	卓文景	给排水			专业	A3	
卓文景	卓文景	项目设计			专业	1:50	
		项目设计			专业		2020.10



Drainage plan



Water distribution plan

国建绿住（天津）科技有限公司

项目负责人
姓名

专业负责人
姓名

项目专业
负责人

姓名

Type 4

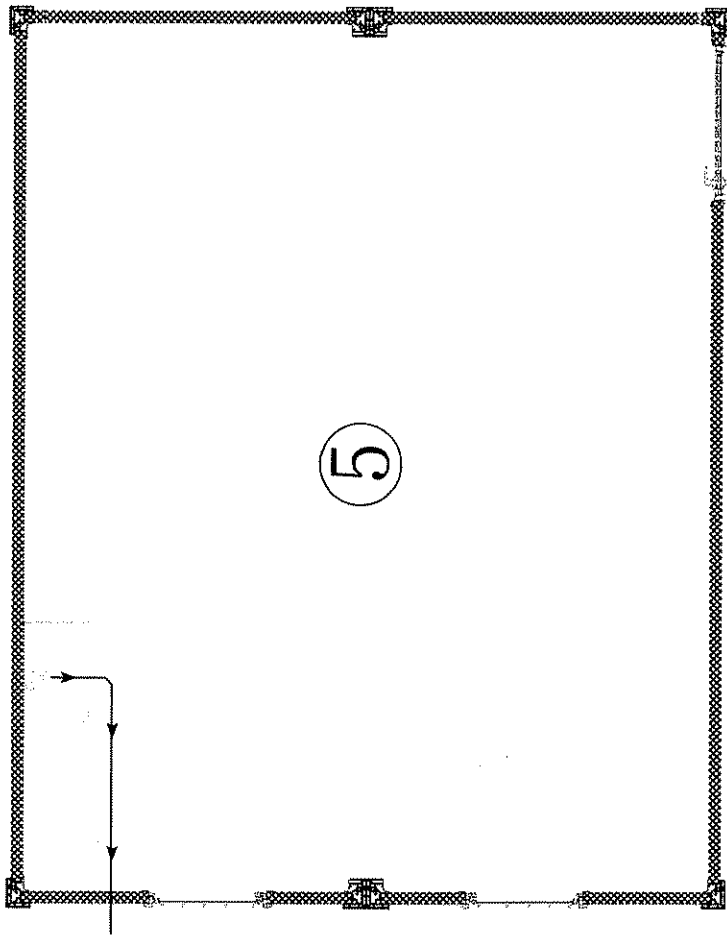
专业

姓名

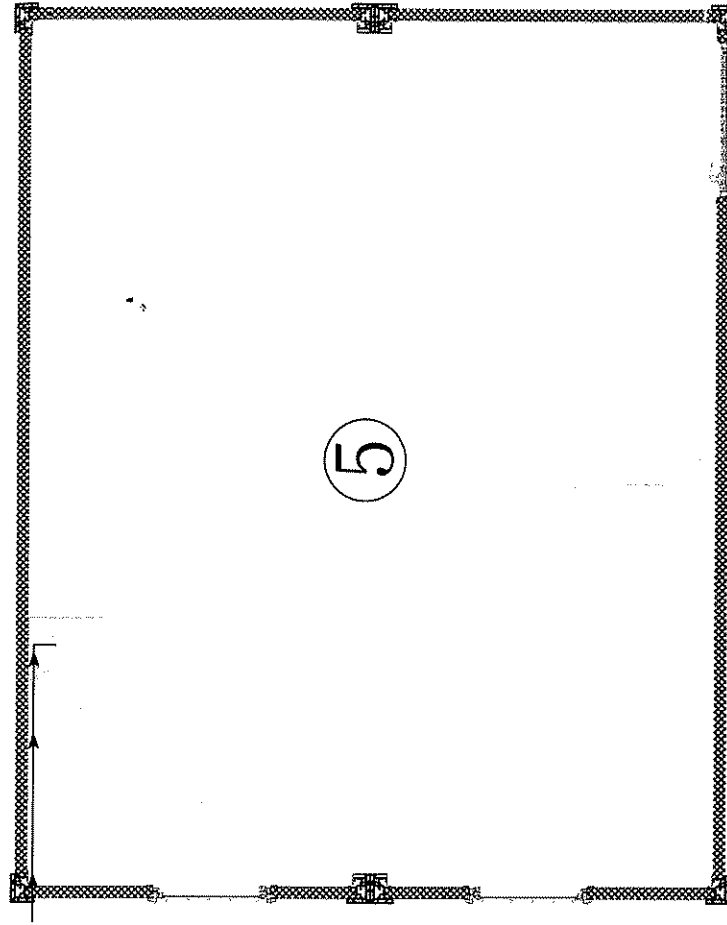
图号 A3

比例 1:50

日期 2020.10



Drainage plan



Water distribution plan

国建绿住（天津）科技有限公司

图名

Type 5

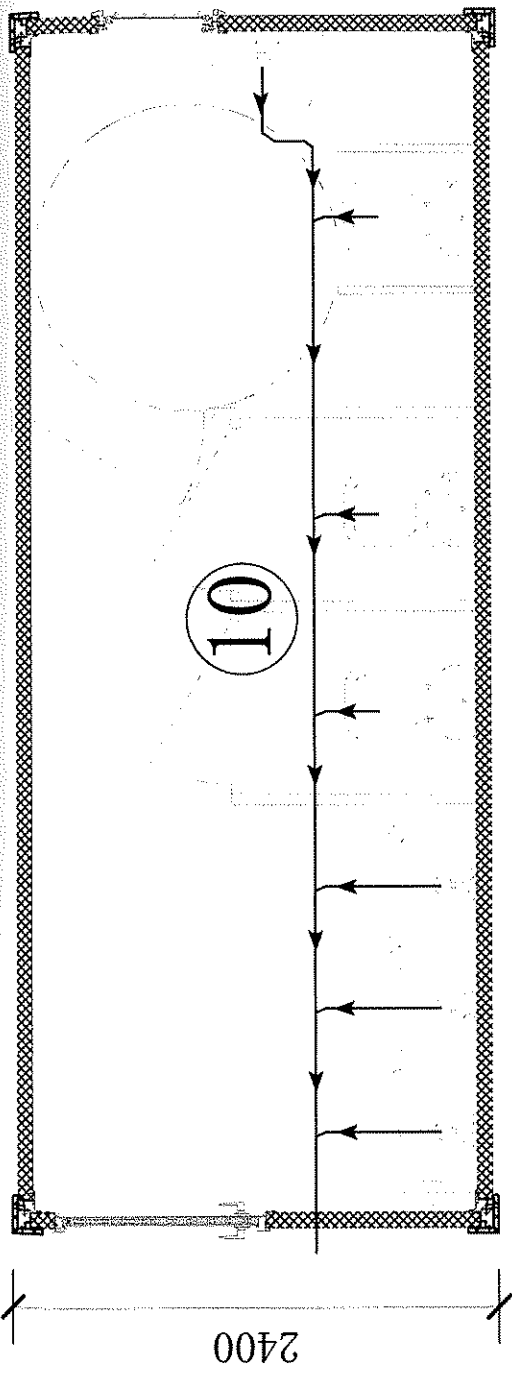
项目名称
合同名称
项目编号

专业负责人
张 升
张 鹏

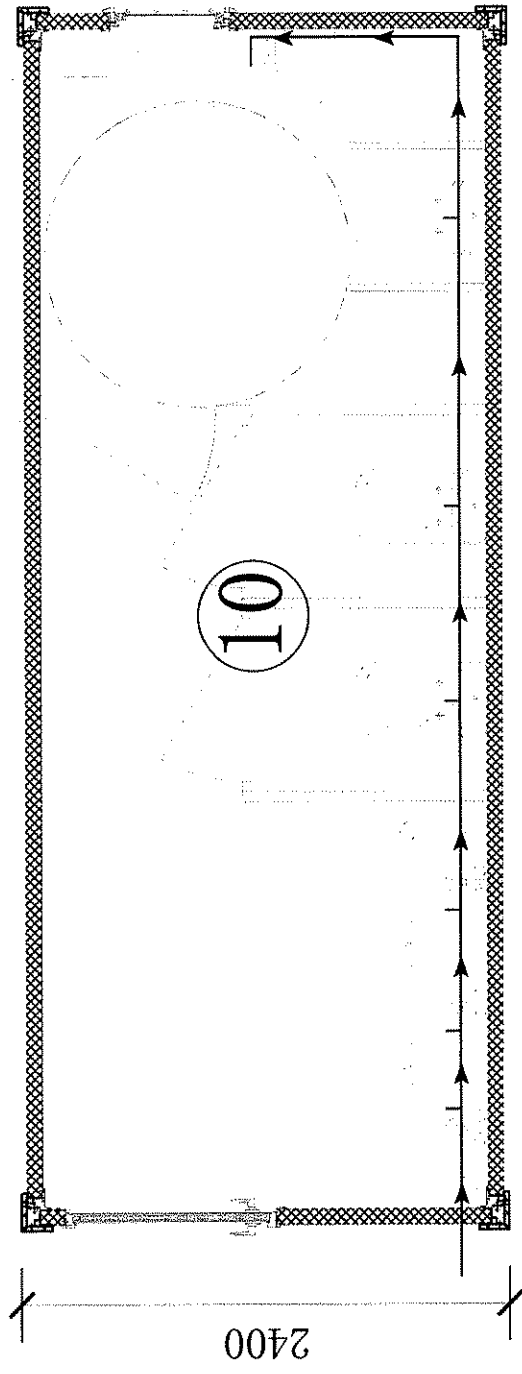
项目负责人
张 鹏

图号
专业
楼层

图幅 A3
比例 1:50
日期 2020.10



Drainage plan



Water distribution plan

国建绿住(天津)科技有限公司

Type 10

图名

图号
专业
楼层

项目名称
专业名称
专业名称

项目负责人
专业名称
专业名称

图号
专业
楼层

图名

图号
专业
楼层

图号
专业
楼层

图号
专业
楼层

库管罩

13

库管罩

Drainage plan

库管罩

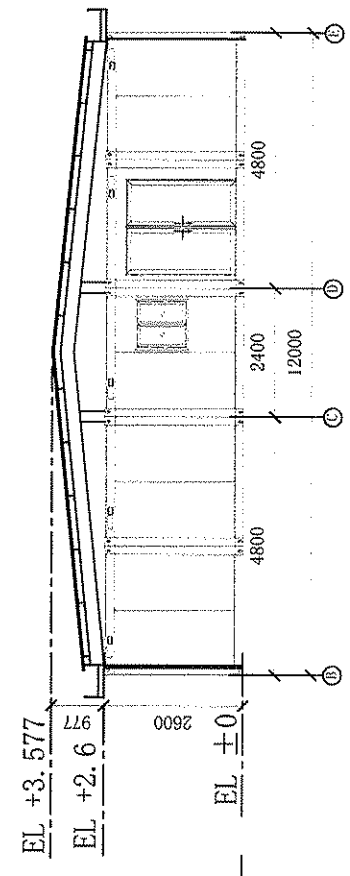
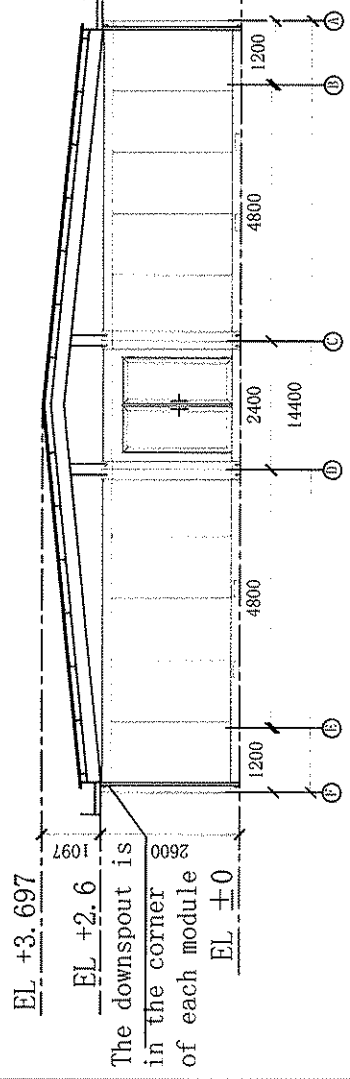
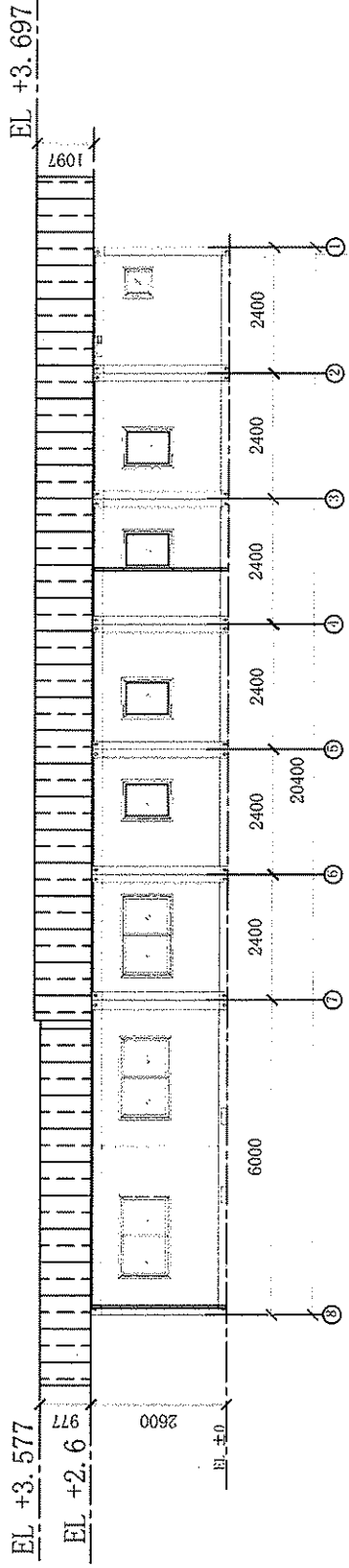
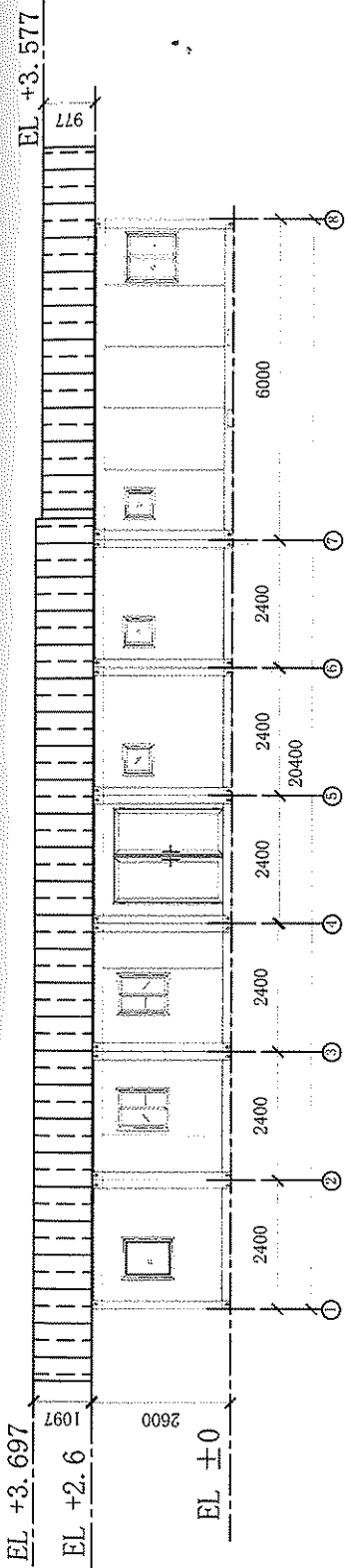
13

库管罩

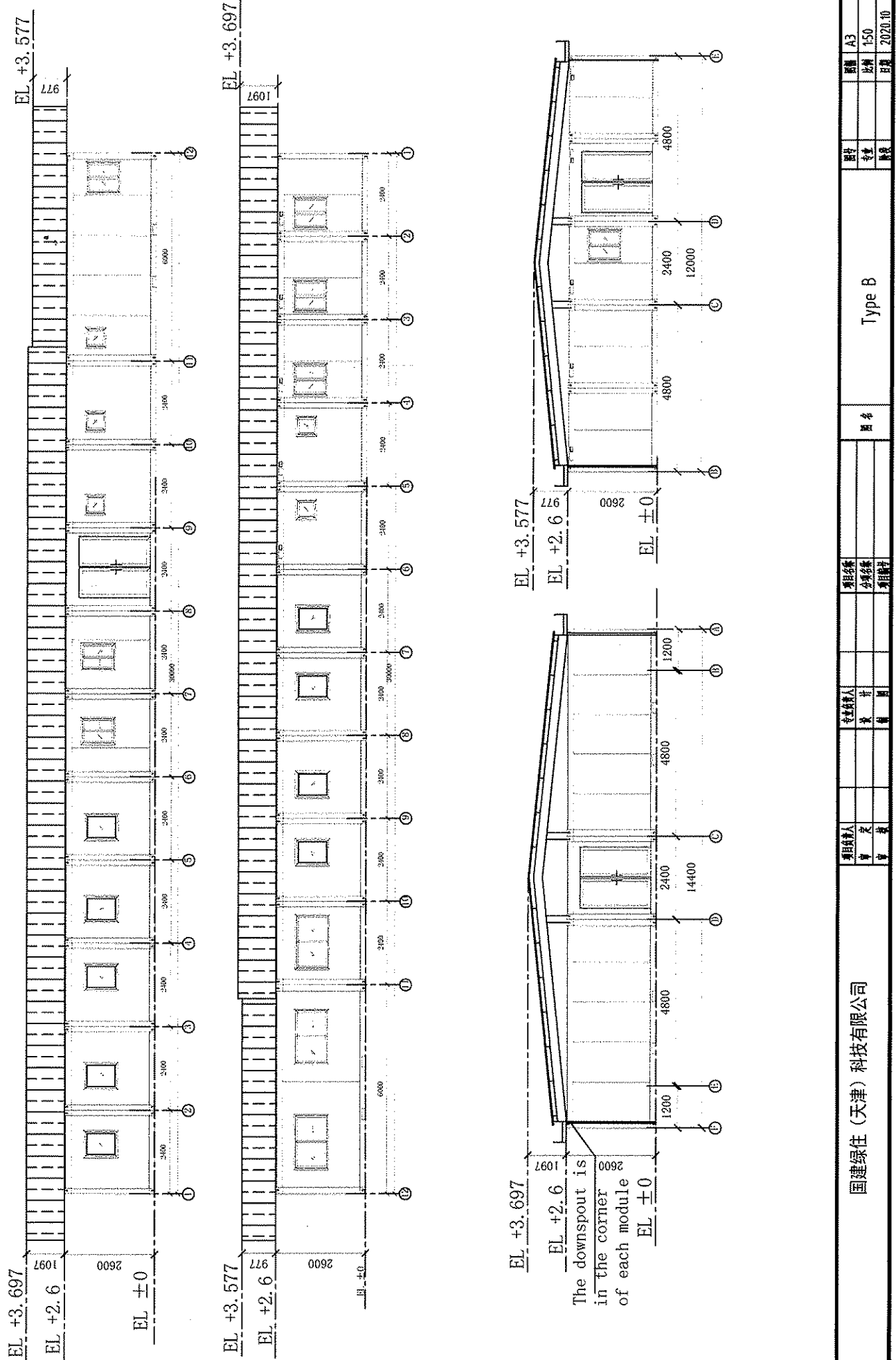
Water distribution plan



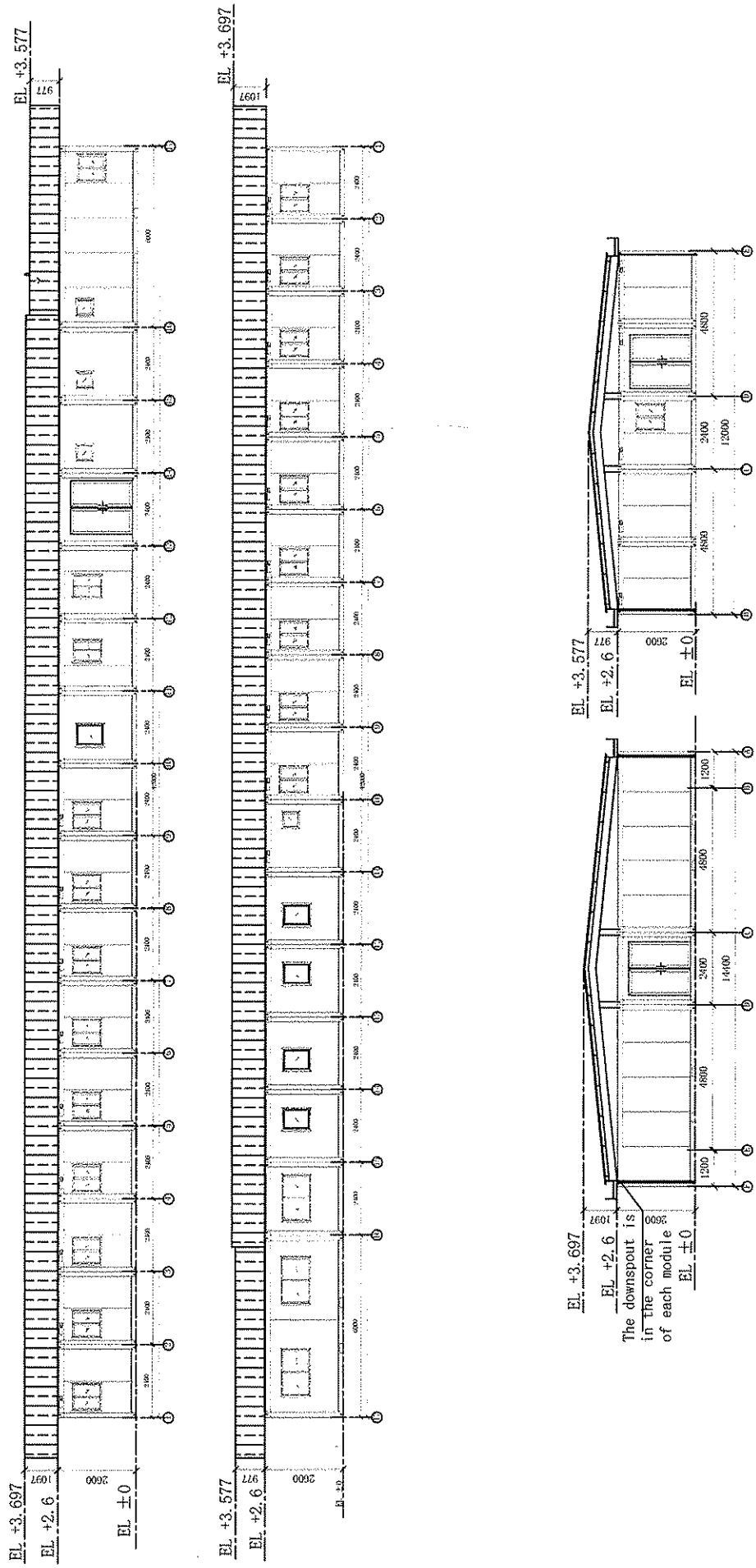
国建绿住（天津）科技有限公司		项目负责人	专业负责人	项目名称	图名	图号	图幅	日期
审定	审核	设计	计算	外委名称	Type 13	专业	A3	2020.10
签字	签字	签字	签字	项目地址		数量	比例	日期



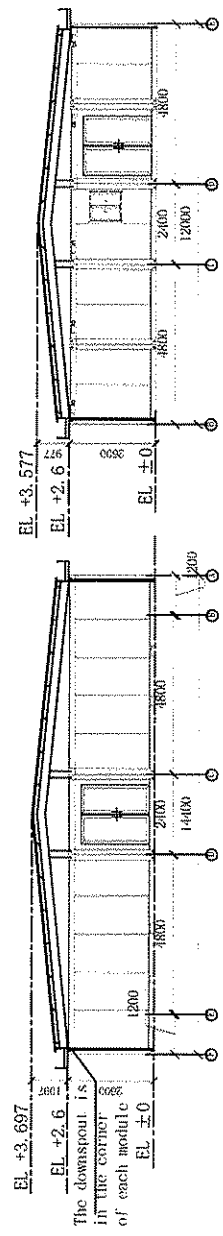
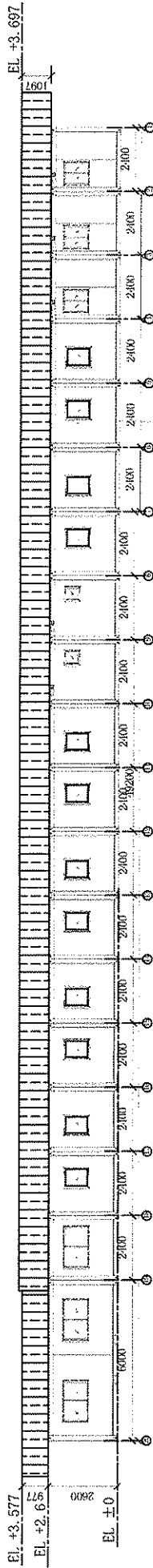
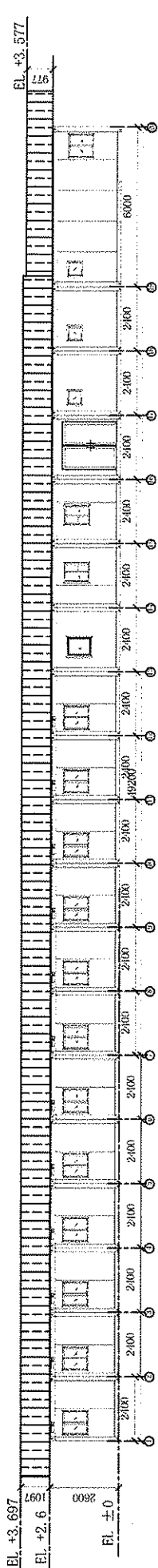
项目批准			项目审核			项目名称			图名		
项目批准人	项目批准日期	项目批准单号	项目审核人	项目审核日期	项目审核单号	中国建筑	天津	国建绿住(天津)科技有限公司	图名	图号	图例
章	定	章	章	计	章				Type A		
图号	图例	图例	图例	图例	图例						
比例	比例	比例	比例	比例	比例						
A3	A3	A3	A3	A3	A3						
1:50	1:50	1:50	1:50	1:50	1:50						
日期	日期	日期	日期	日期	日期						
2020.10	2020.10	2020.10	2020.10	2020.10	2020.10						



项目编号				图名				图号		比例		日期	
A3				Type B						1:50		2020.10	
项目负责人		专业负责人		审核		设计		制图		校对		日期	

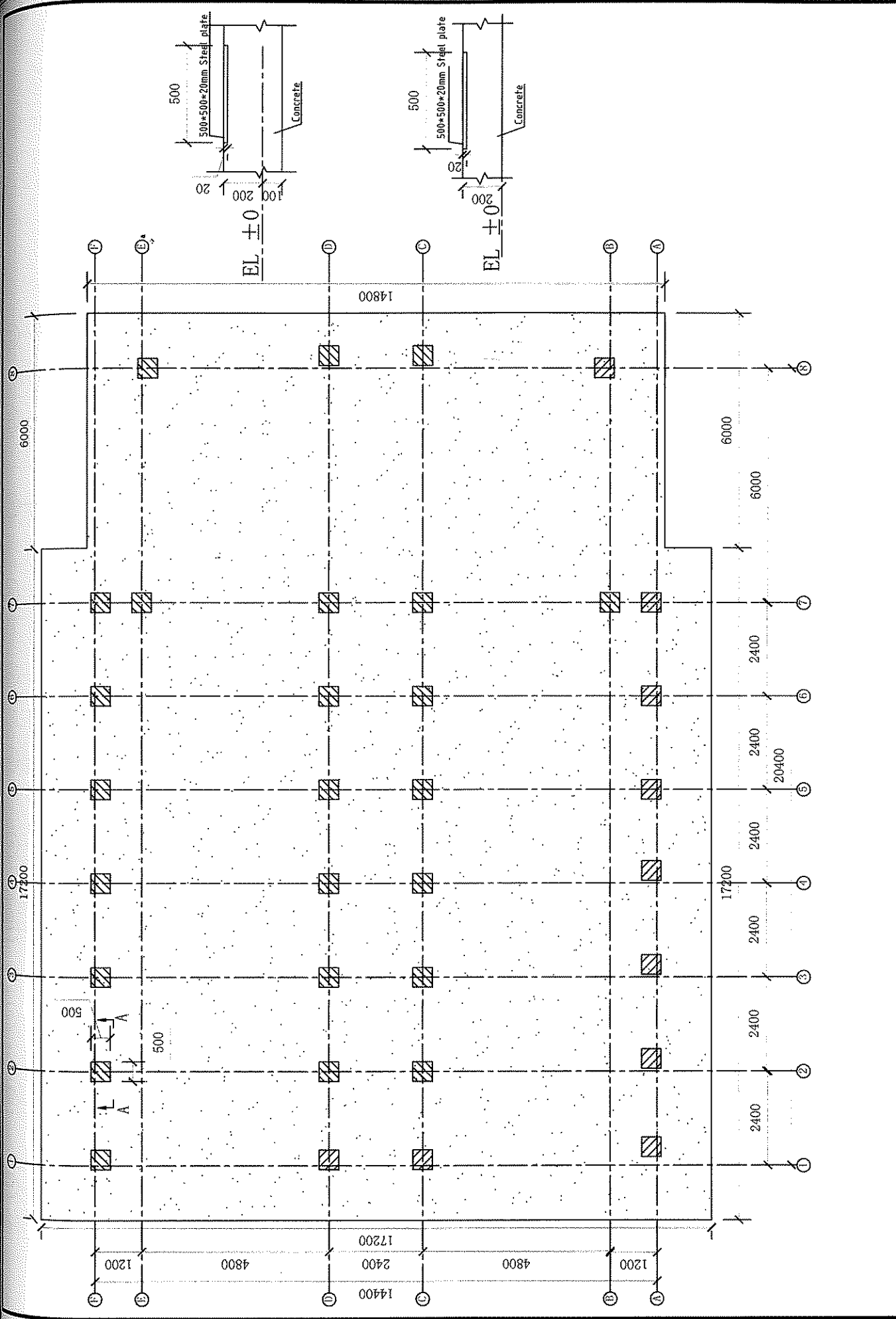


项目法人			项目名称			图名		
审定	设计	审核	编制	校对	审核	专业	日期	Type C
国建绿住（天津）科技有限公司								
项目号	图号	数量	专业	日期	图例			
		A3		1:50				
					日期 2020.10			

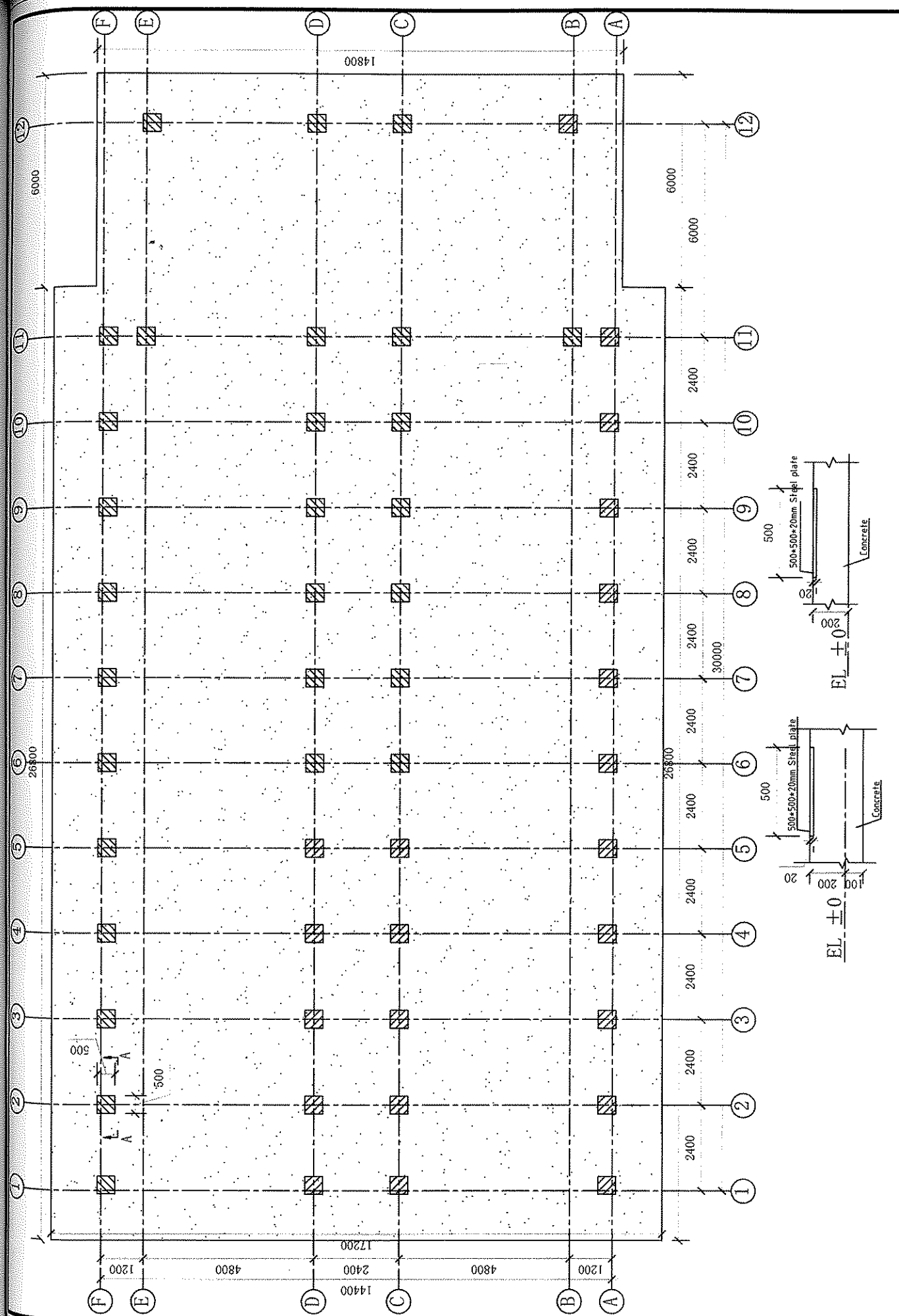


项目负责人 曹 亮		专业负责人 袁 升		项目负责人 袁 升		项目名称 分 类 详 称 项 目 详 况		图 名 Type D		图 号 专 号 图 号	图 幅 A3 比例 1:50 日期 2020.10
--------------	--	--------------	--	--------------	--	----------------------------	--	---------------	--	-------------------	--

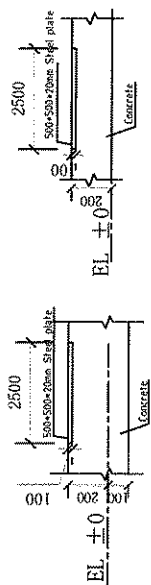
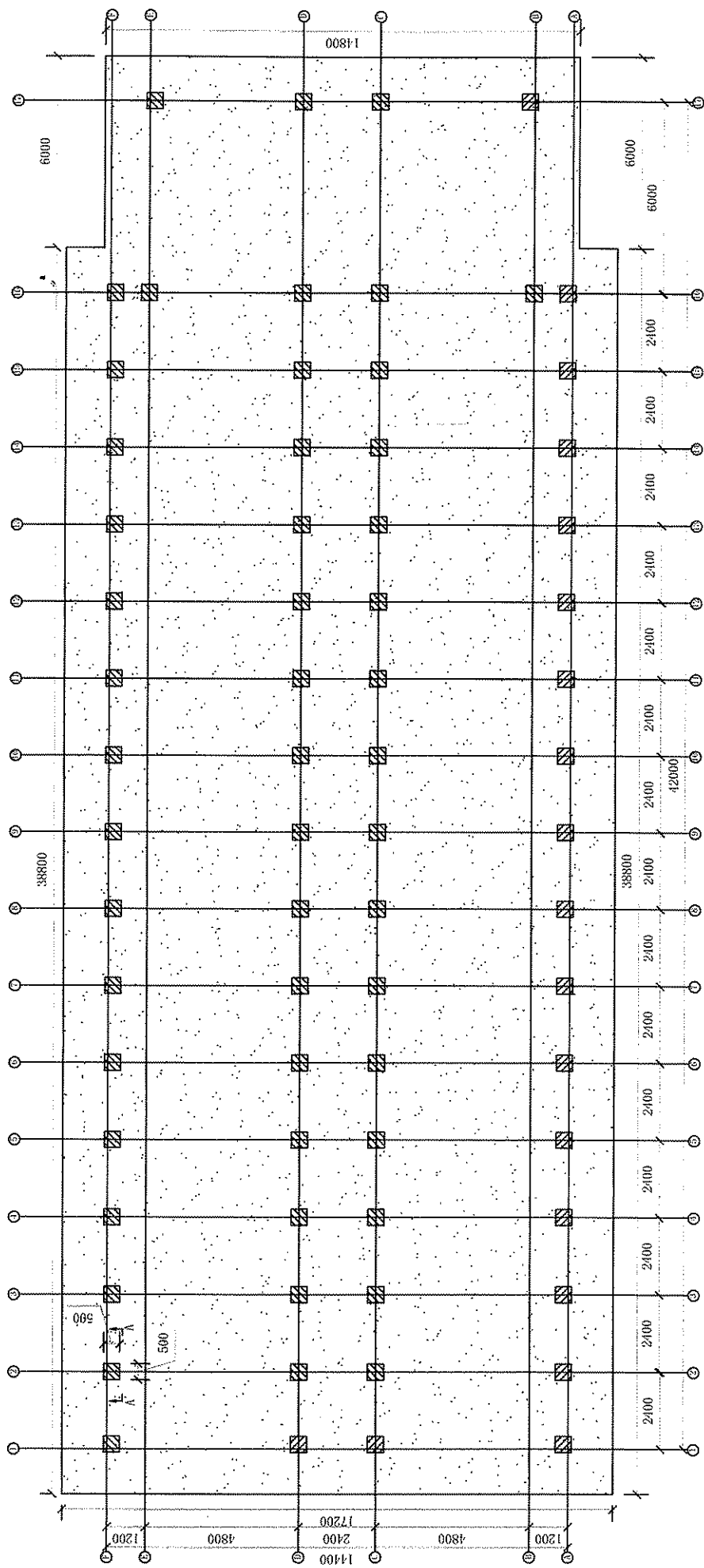
国建绿住（天津）科技有限公司



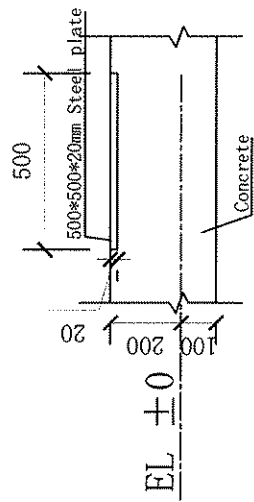
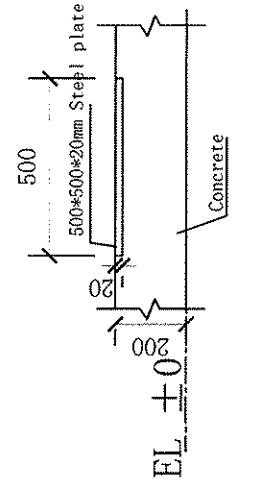
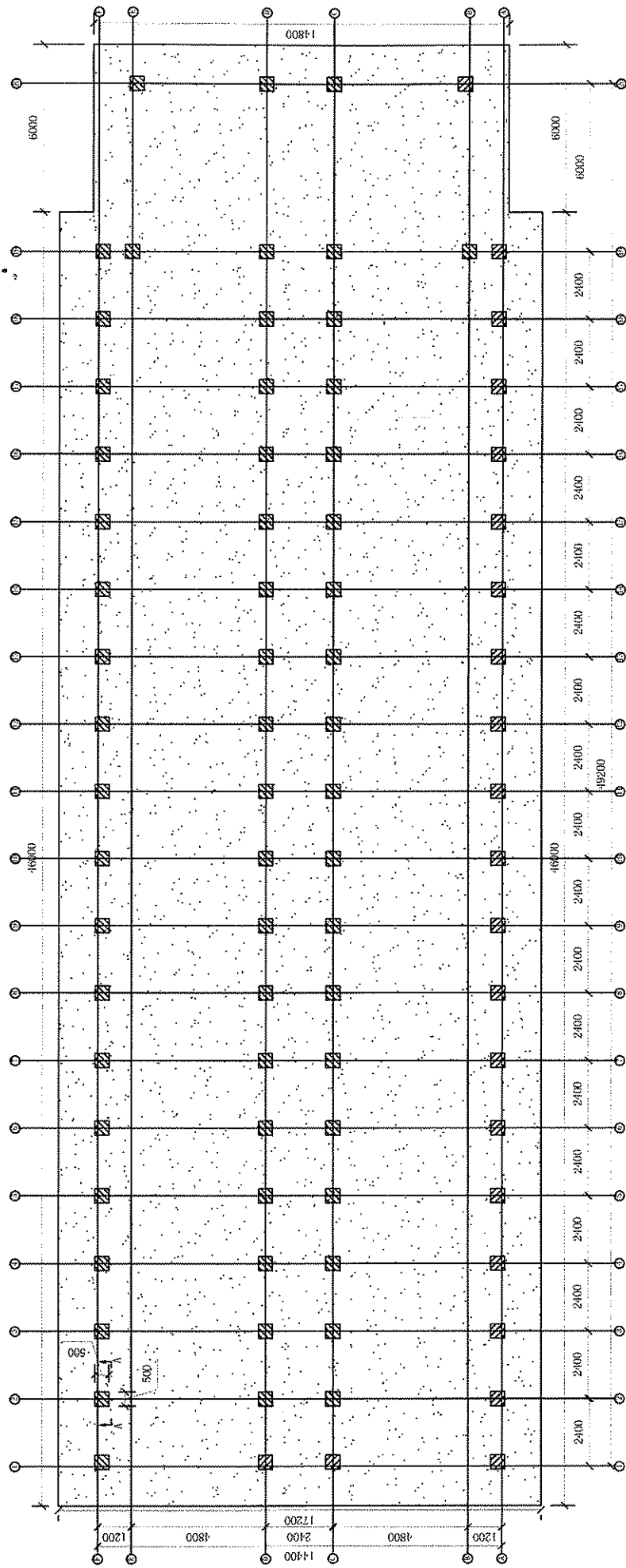
项目名称		图名		图号		比例		日期	
设计人	审核人	设计日期	审核日期	图号	图名	比例	日期	图幅	日期
张	共	张	共	A3	Type A	1:50	2020.10		
国建绿住(天津)科技有限公司									



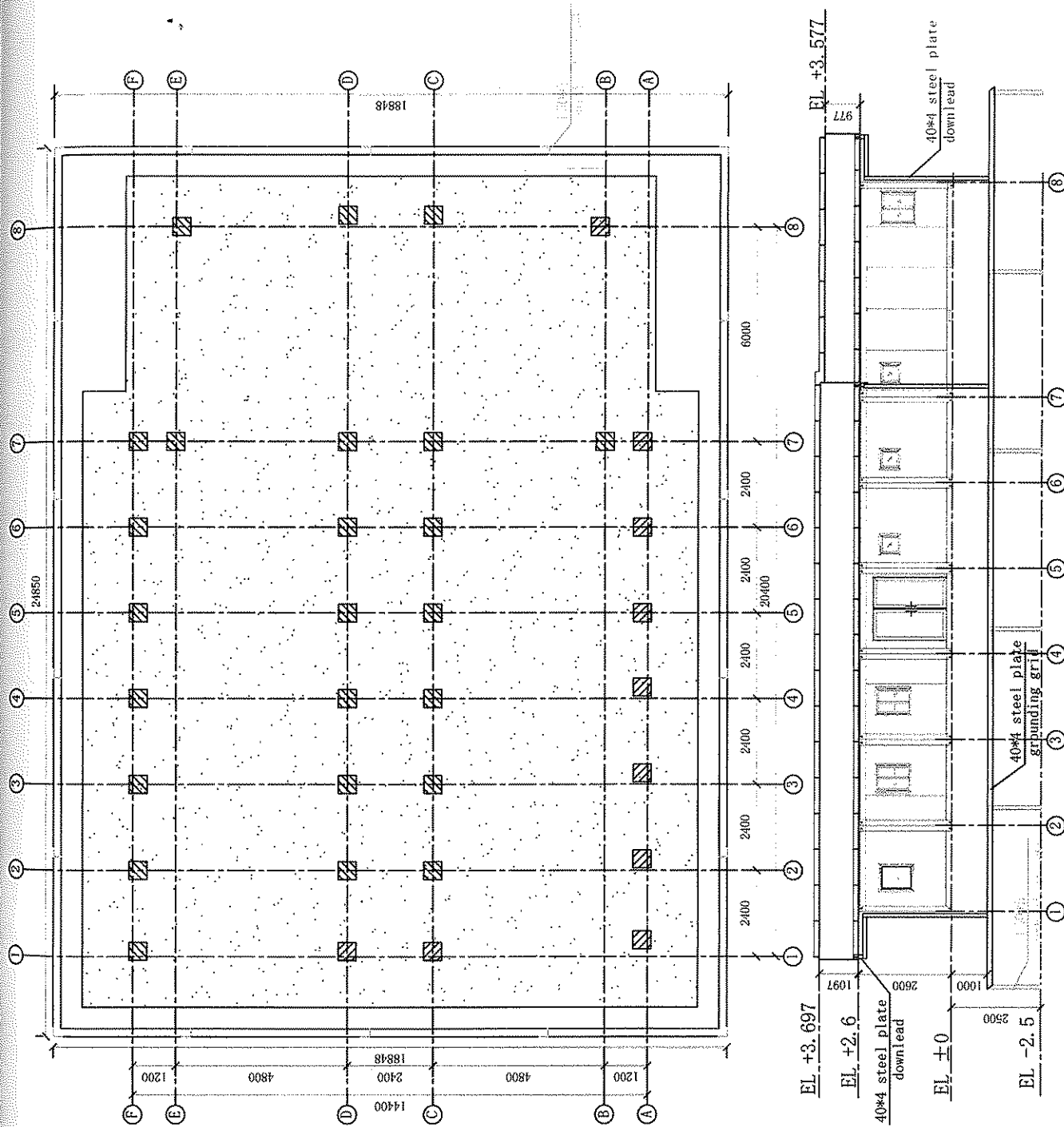
项目批准人 专业负责人 设计 审核 日期				项目名称 分部分项 项目特征				图名 Type B				图号 专业		比例 1:50		日期 2020.10	
												项目批准人 专业负责人 设计 审核 日期		项目批准人 专业负责人 设计 审核 日期		项目批准人 专业负责人 设计 审核 日期	
国建绿住（天津）科技有限公司												Type A					



项目核准人 曹 俊		专业负责人 光 毅		项目审核		图名		图号		图例		日期	
				审核人	审核日期	Type C		专业	数量	A3	比例	1:50	日期
国建绿住（天津）科技有限公司													

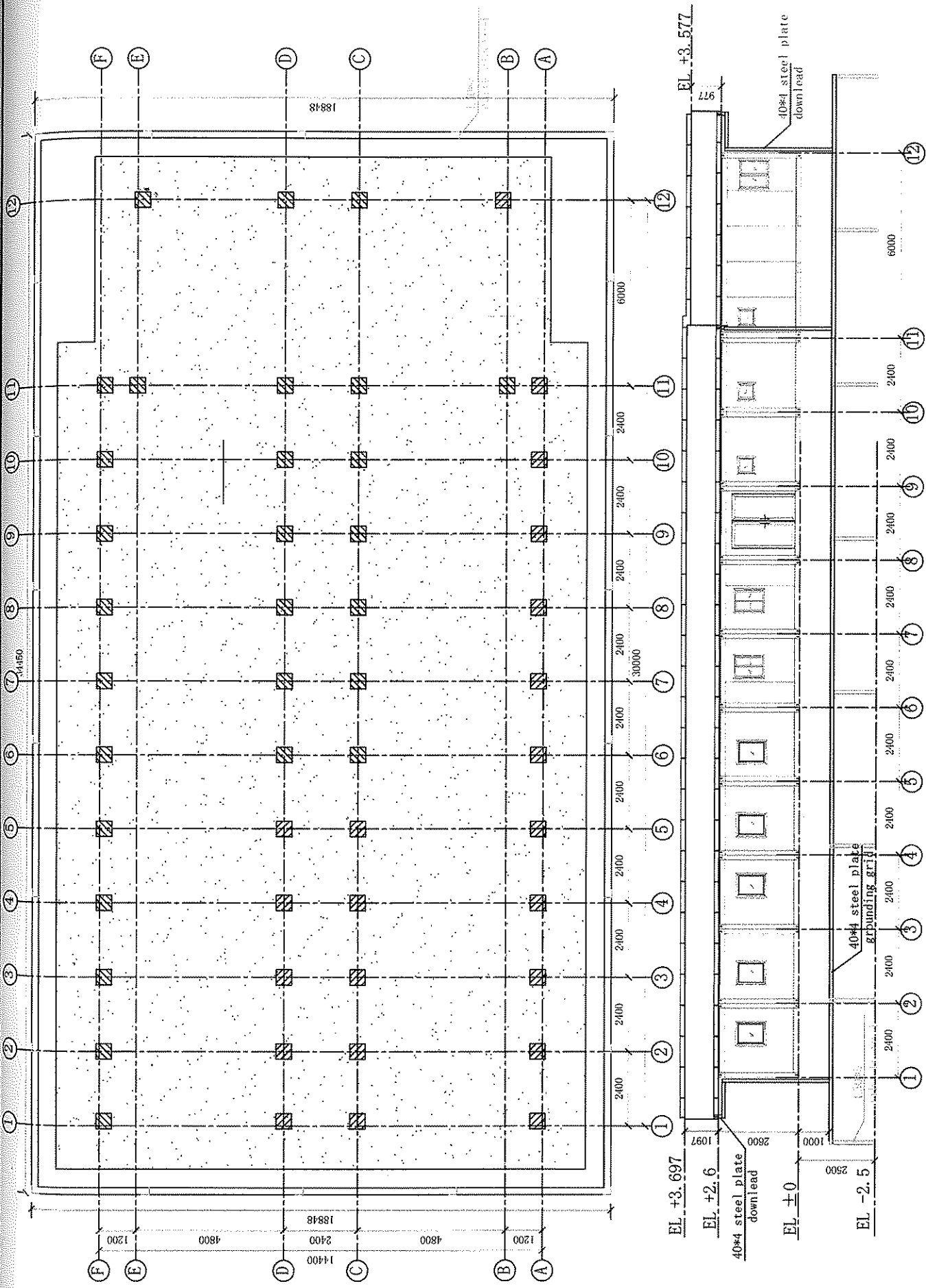


项目编号				图名				图号			
A3				Type D							
日期				比例				图例			
2020.10				1:50							
设计				审核				制图			
姓名				姓名				姓名			
签字				签字				签字			
日期				日期				日期			
国建绿住(天津)科技有限公司											



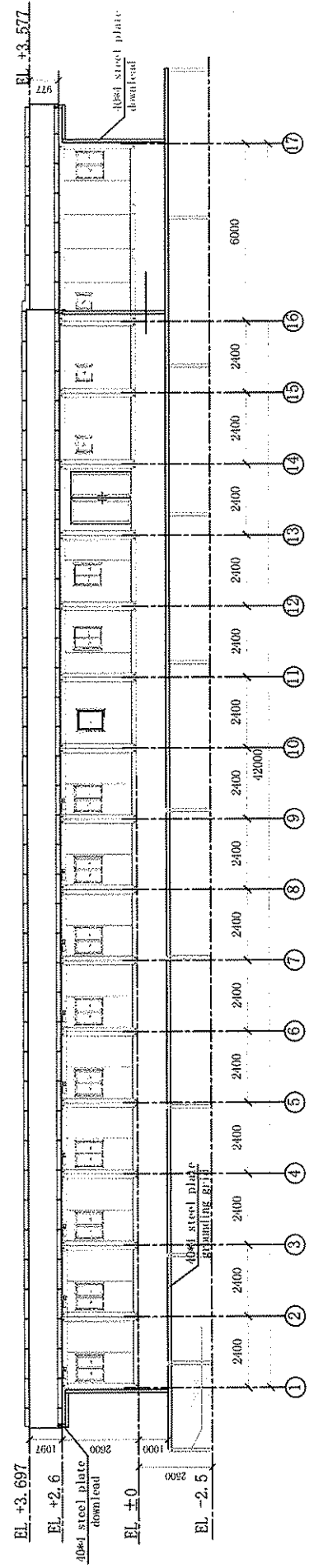
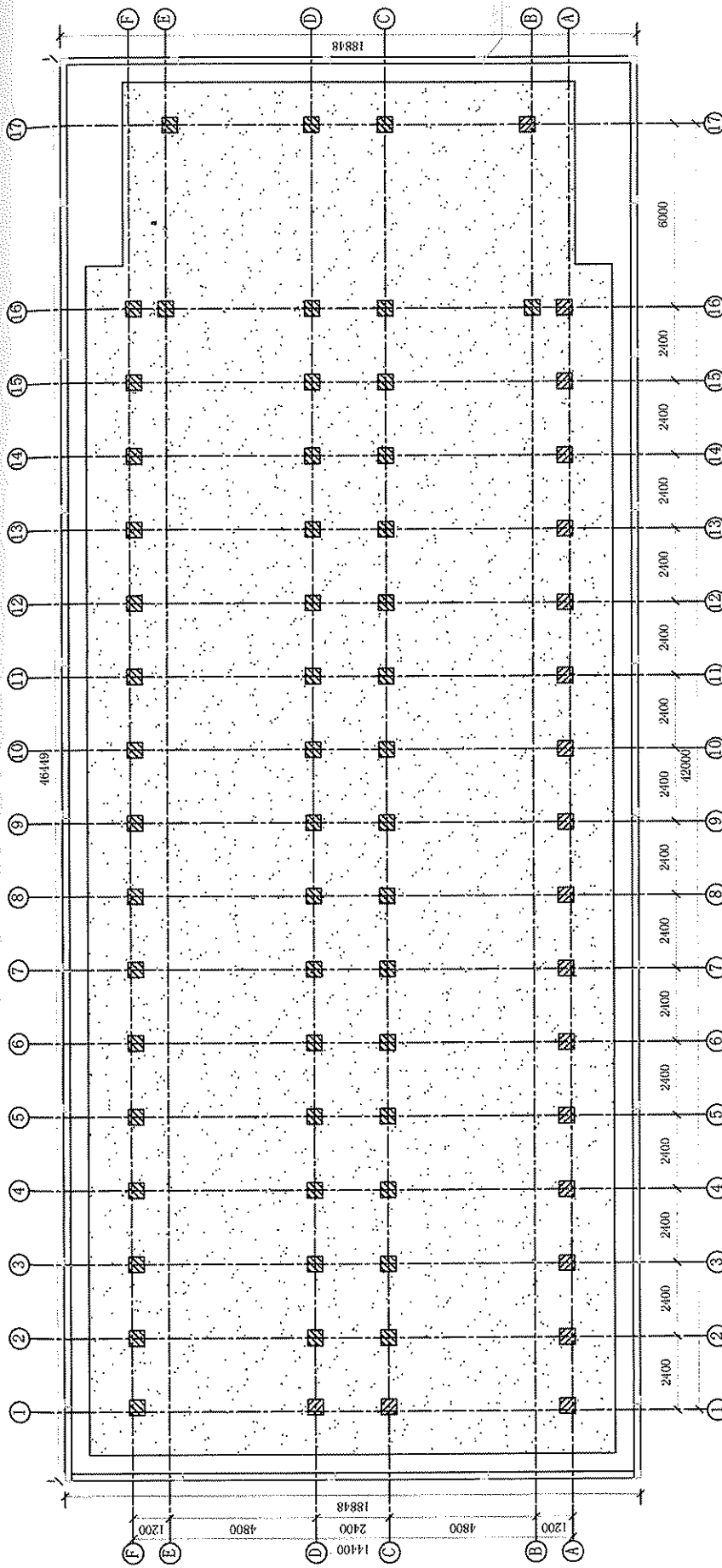
项目编号		项目名称		图名		图号		比例		日期	
				Type A				A3		2020.10	
专业负责人		审核人		设计人		制图人		校对		日期	

国建绿住(天津)科技有限公司



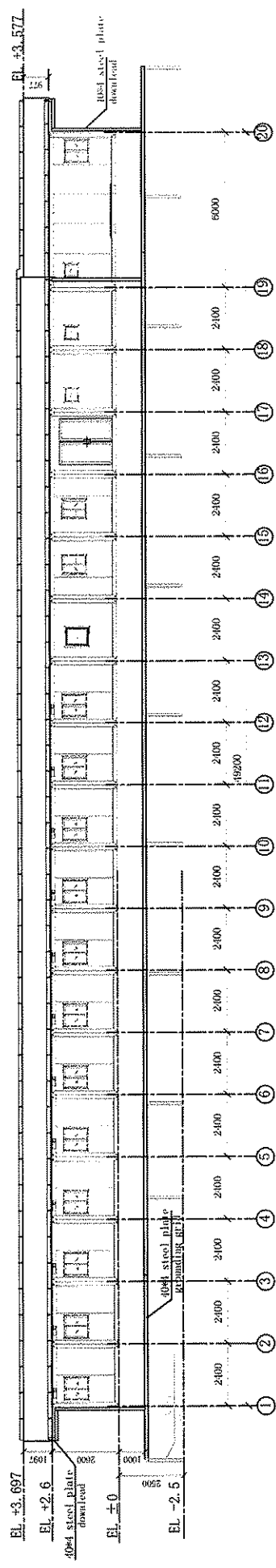
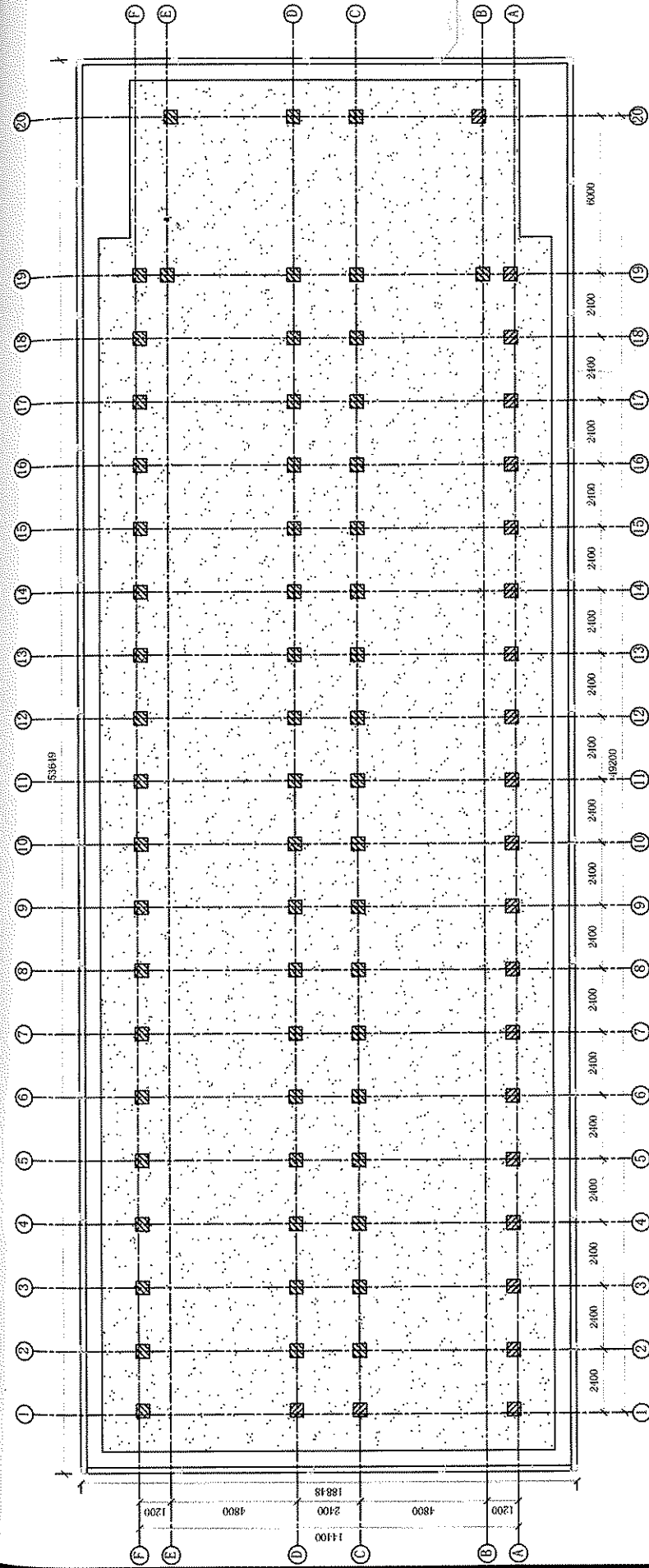
国建绿住(天津)科技有限公司

项目号	118818	图名	Type B	图号	A3	比例	1:50	日期	2020.10
项目负责人		专业负责人		审核		项目负责			
专业		设计		审核		审核			
专业		审核		审核		审核			
专业		审核		审核		审核			



项目编号 专业 日期				项目名称 分册名称 项目序号				图名 Type C				比例	图号	数量
												1:50		A3
审核人 日期				设计人 日期				校对 日期				日期 2020.10		

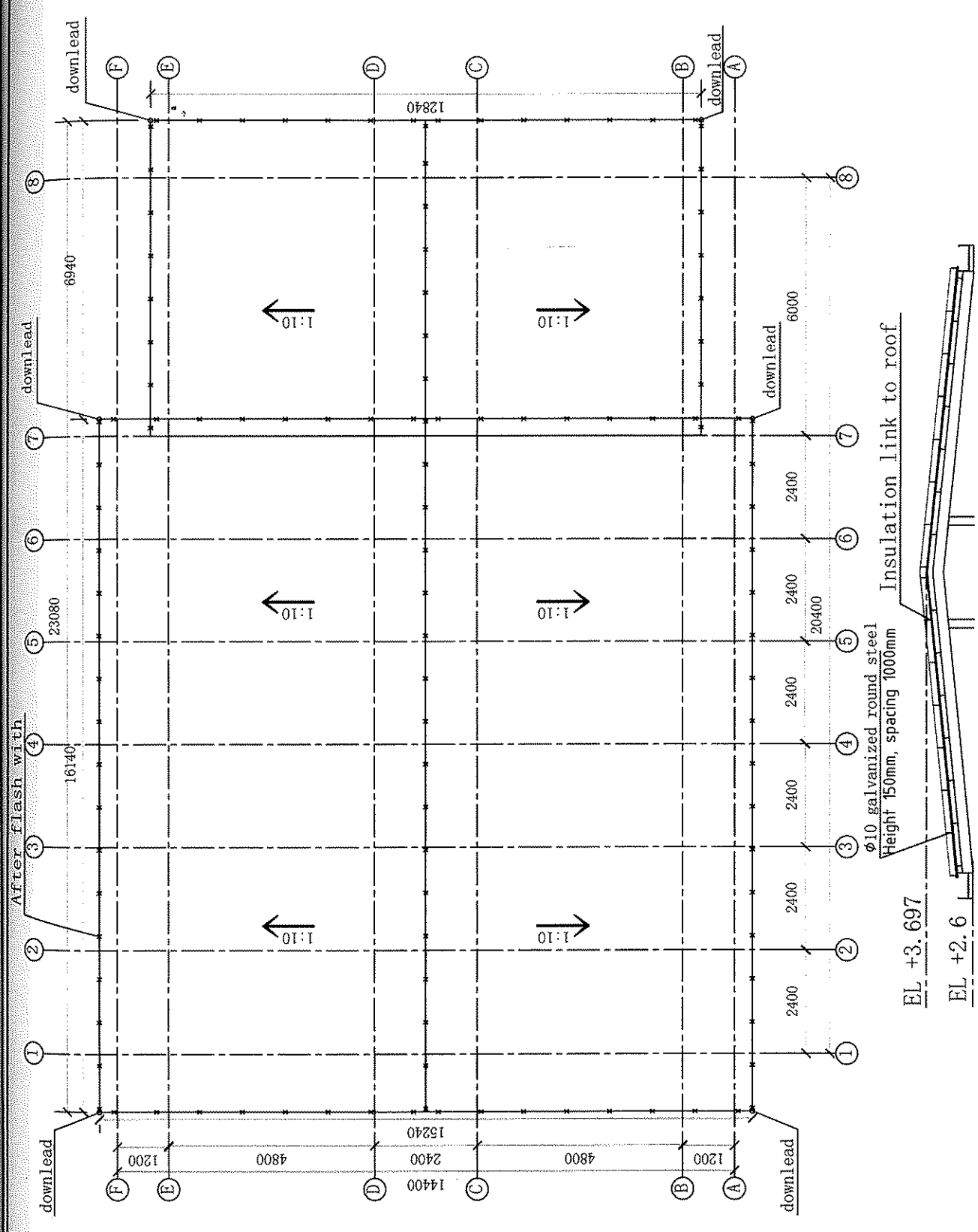
国建绿住(天津)科技有限公司



国建绿住 (天津) 科技有限公司

Type D

项目名称	专业负责人	审核	日期
专业负责人	审核	日期	日期
设计	设计	设计	设计
校核	校核	校核	校核
制图	制图	制图	制图
姓名	姓名		
图名	图名		
图号	图号		
比例	比例		
日期	日期		
图幅	图幅		

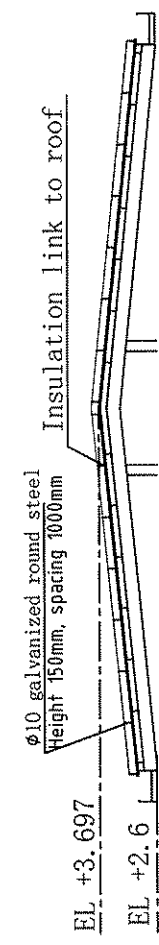
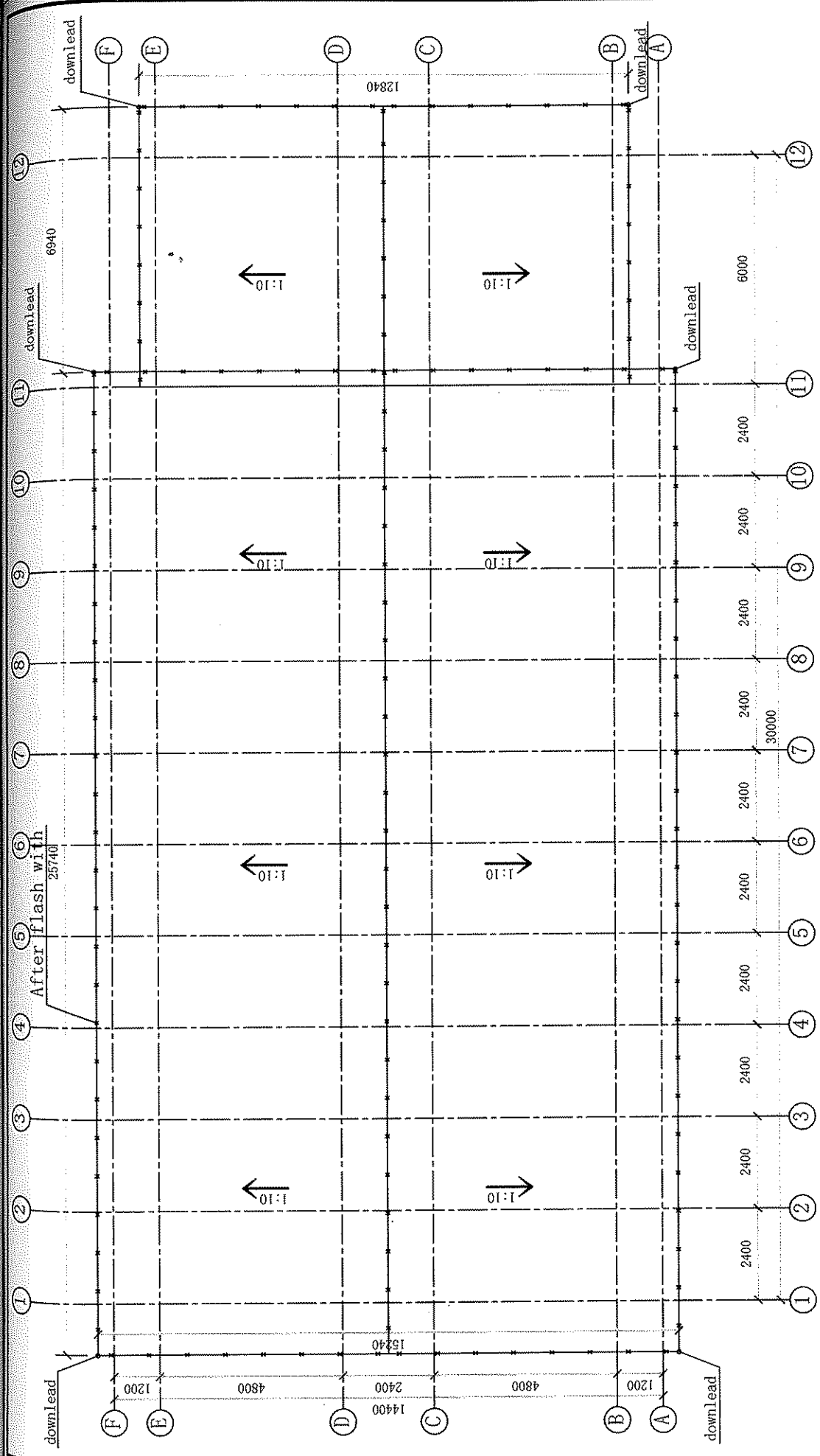


$\phi 10$ galvanized round steel
 Height 150mm, spacing 1000mm

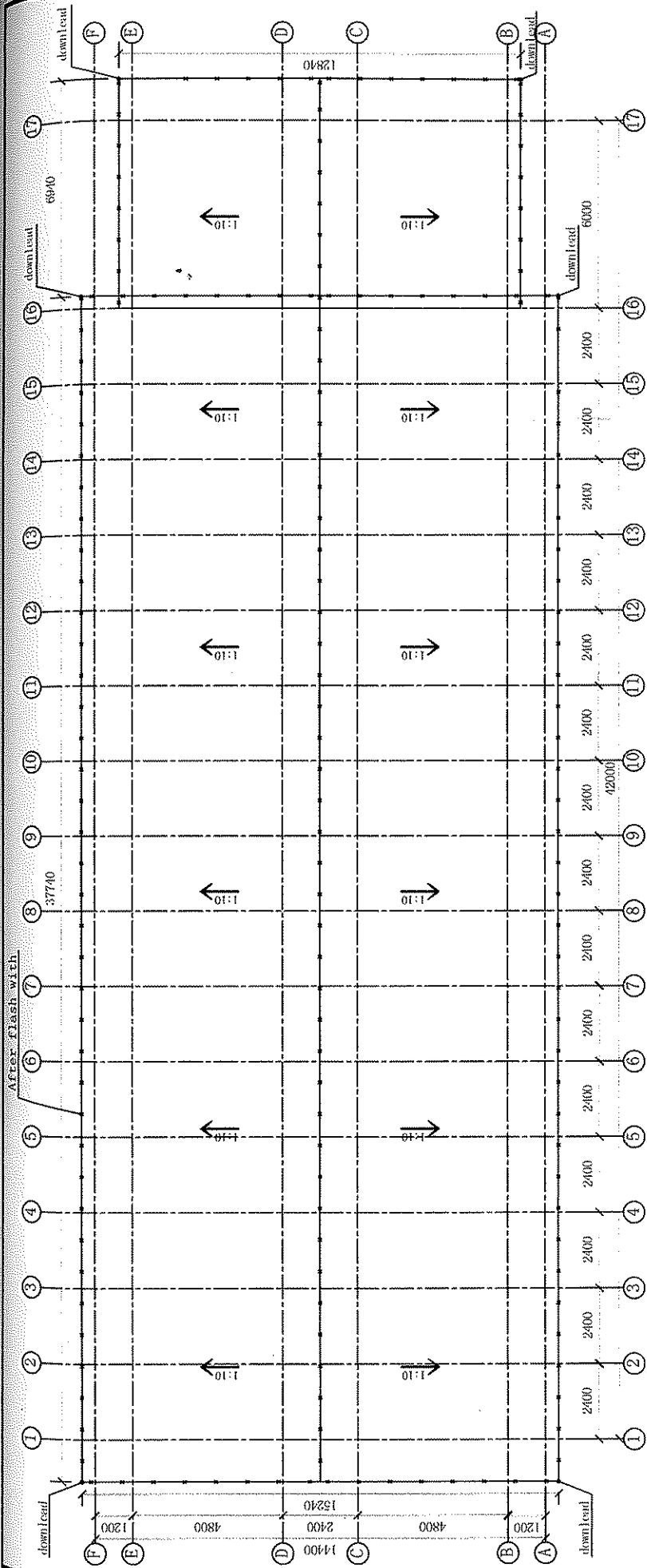
EL +3.697

EL +2.6

项目编号: 2020.10 比例: 1:50 图号: 专业: 日期:		图名: Type A	项目负责人:	审核人:	设计人:	制图人:	日期:
国建绿住 (天津) 科技有限公司			项目经理:	审核:	设计:	制图:	日期:

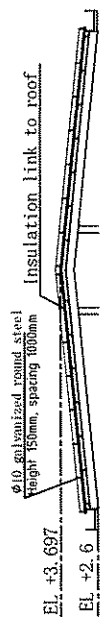
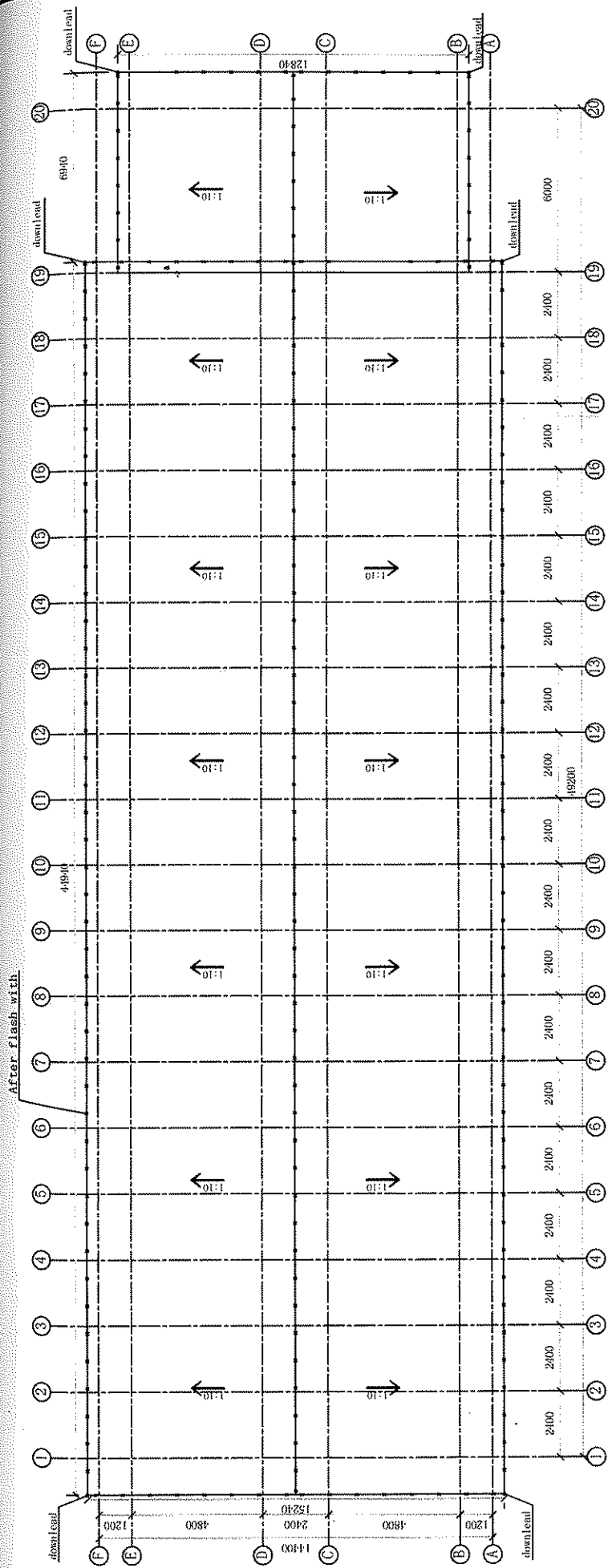


项目负责人	专业负责人	项目总包人	设计	审核	日期
曹 文	张 升	曹 文	曹 文	曹 文	2020.10
曹 文	曹 文	曹 文	曹 文	曹 文	曹 文
曹 文	曹 文	曹 文	曹 文	曹 文	曹 文



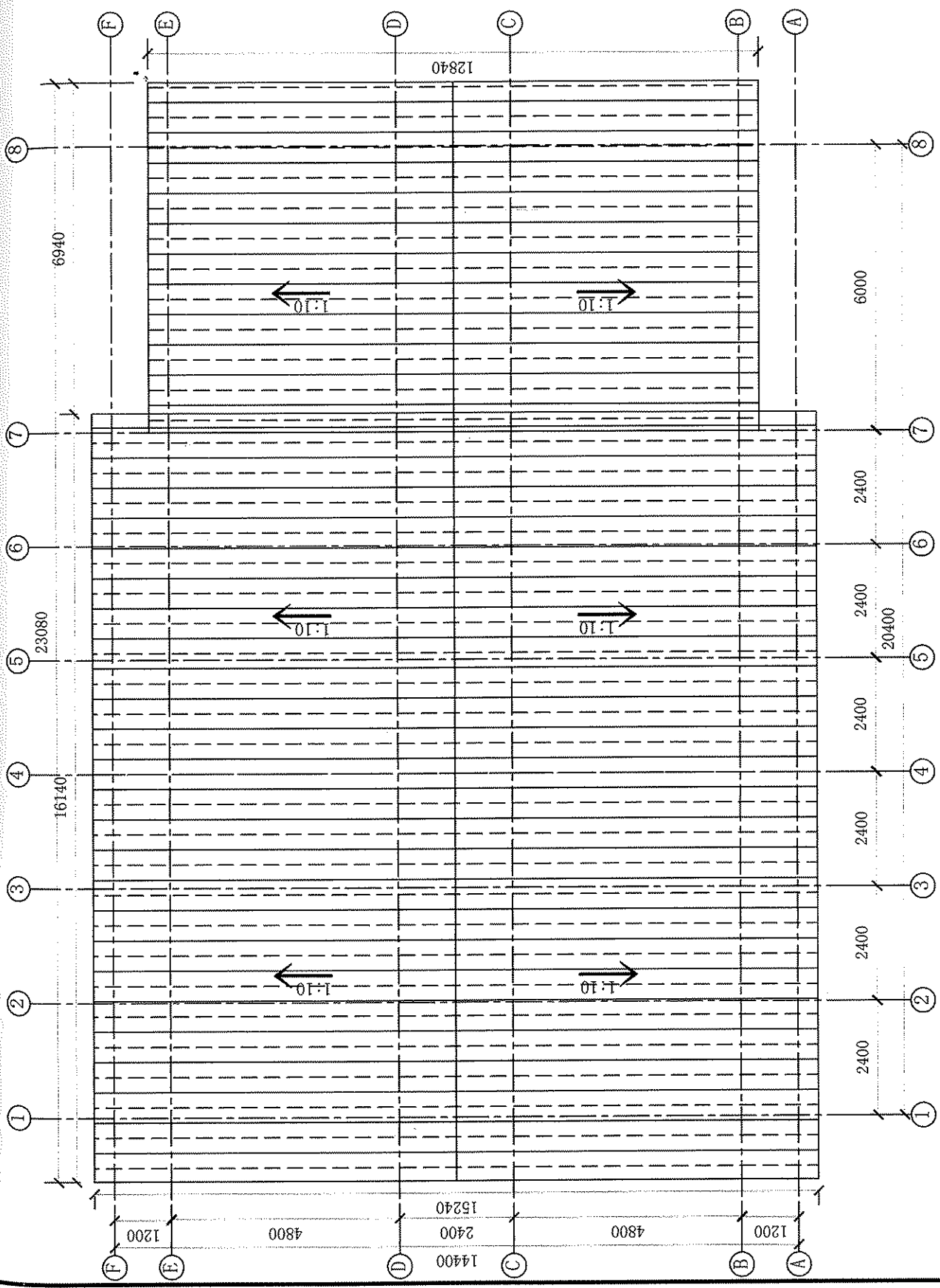
$\phi 10$ galvanized round steel
 height 150mm, spacing 1000mm
 Insulation link to roof
 EL. +3.697
 EL. +2.6

项目负责人		姓名		项目		图号		比例		日期	
姓名	工号	姓名	工号	姓名	工号	图号	比例	日期	图号	比例	日期
王		李		张					A3	1:50	2020.10
国建绿住(天津)科技有限公司											
Type C											
图名											

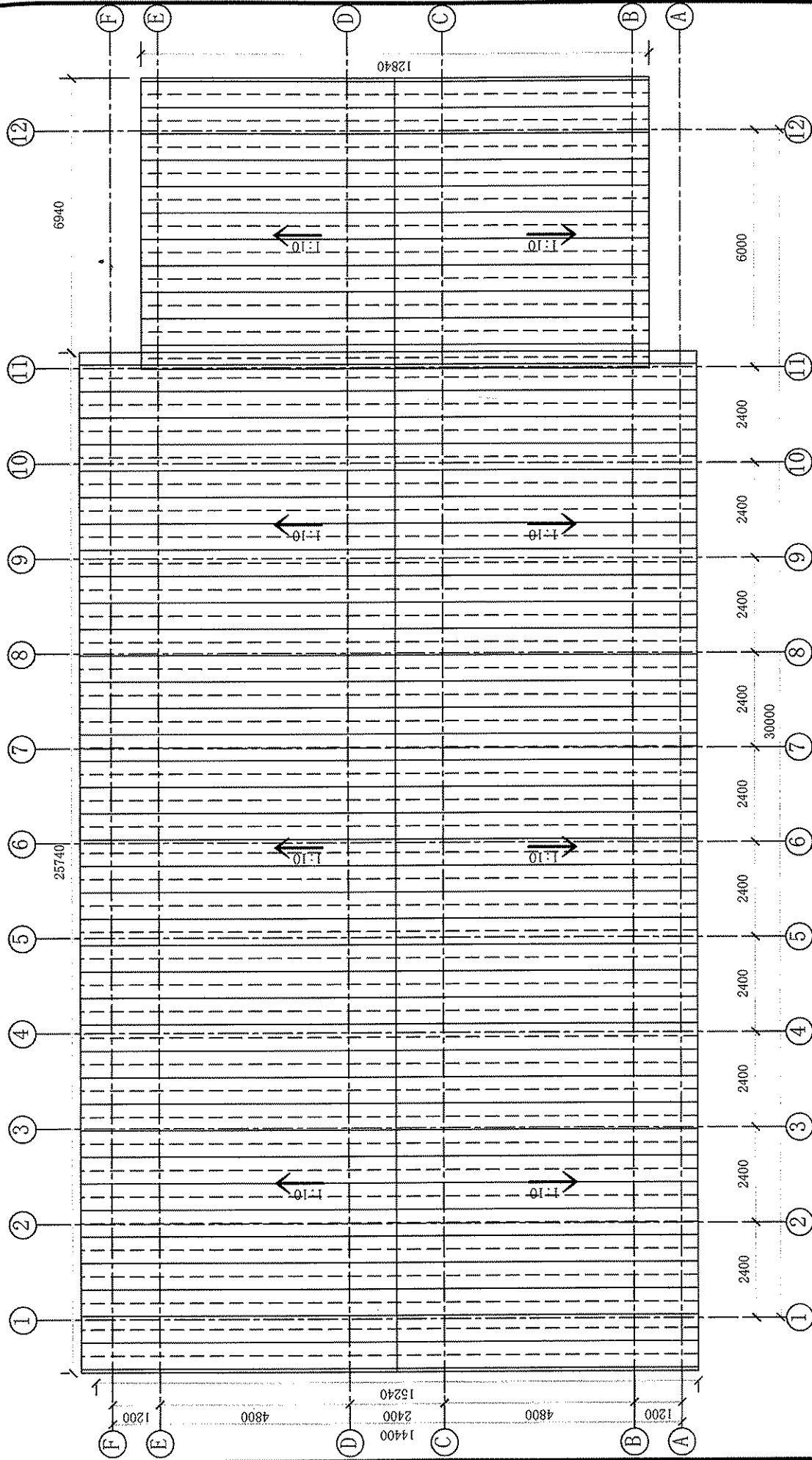


国建绿住（天津）科技有限公司

项目名称	专业负责人	审核	校核	日期	2020.10	
项目名称	专业负责人	审核	校核	日期	2020.10	
Type D					数量	A3
图号					专业	比例
图名					数量	150
图例					日期	2020.10



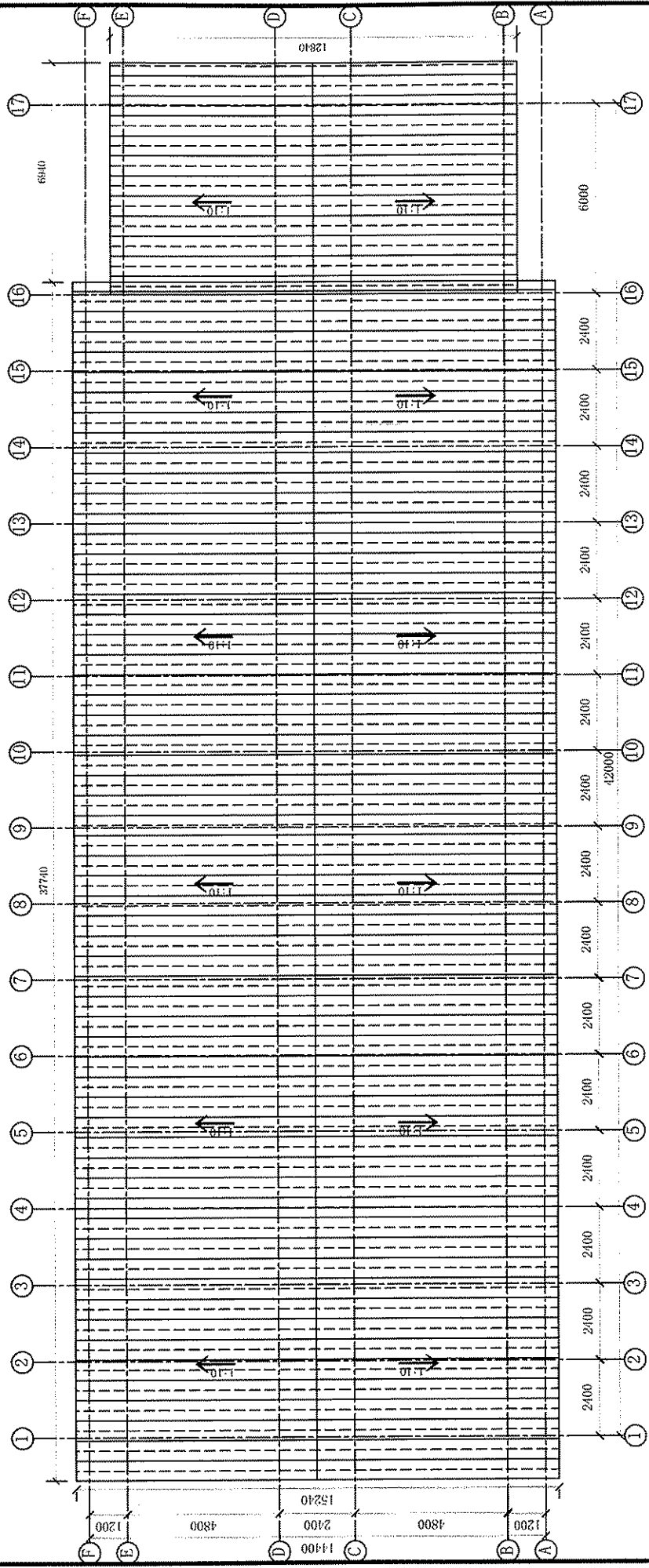
项目名称		工程名称		图号		图幅	A3
建设单位	设计单位	项目负责人	专业	专业	专业	比例	1:50
日期	日期	日期	日期	日期	日期	日期	2020.10
国建绿住(天津)科技有限公司						Type A	



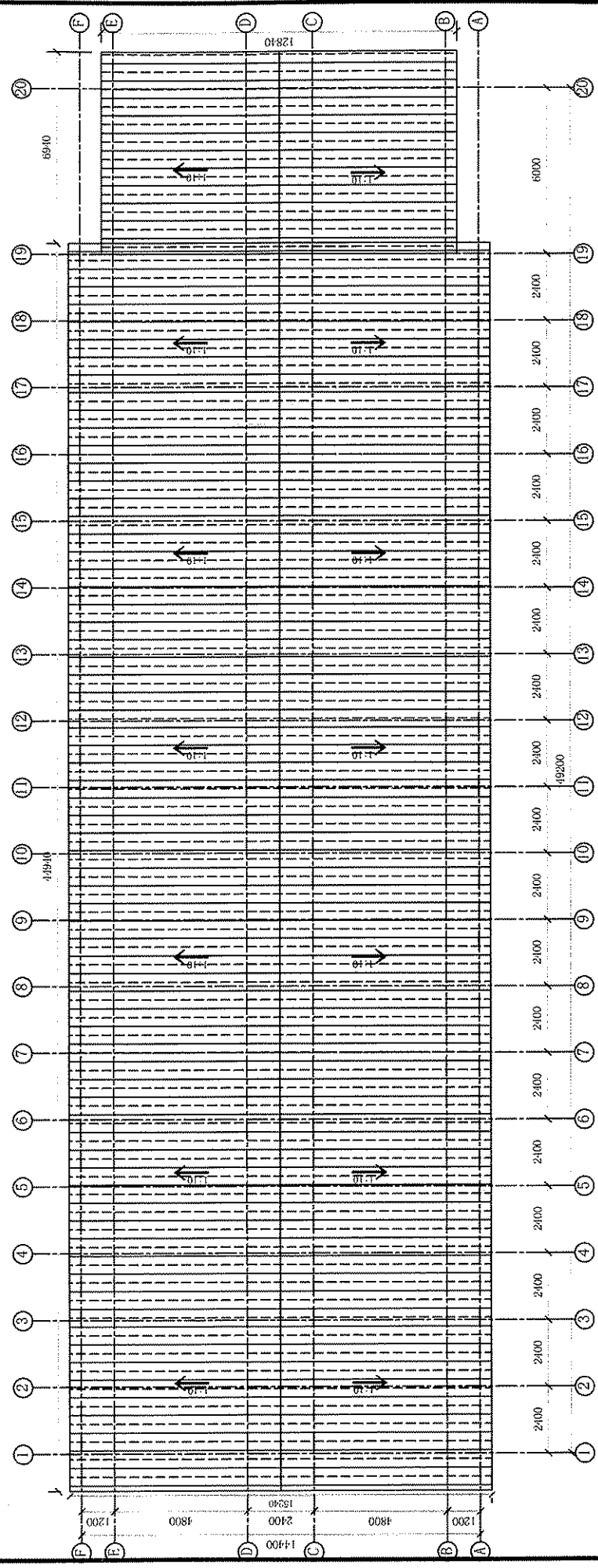
国建绿住(天津)科技有限公司

Type B

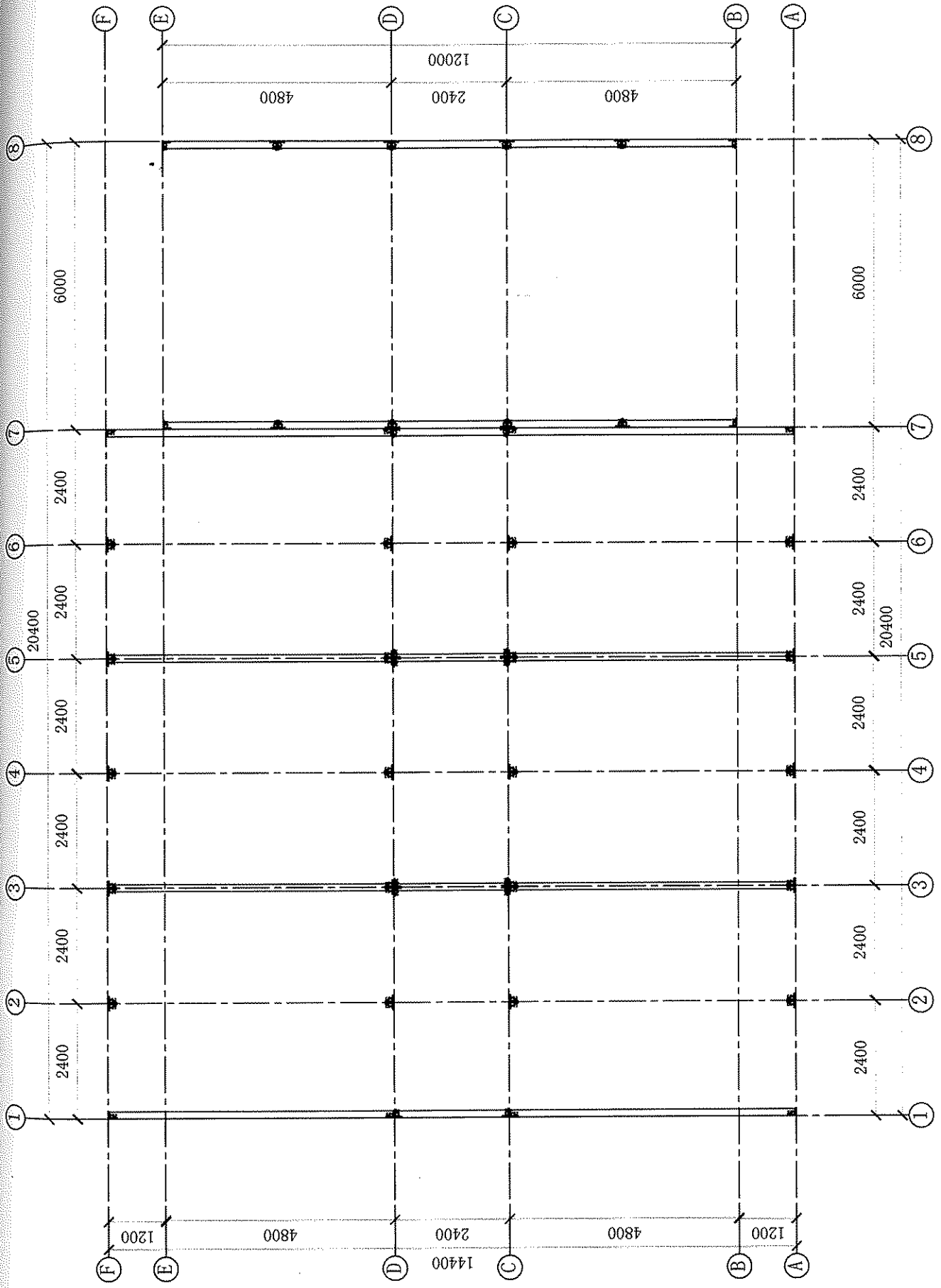
项目名称	工程名称	图号	日期
项目负责人	设计	专业	比例
审核人	校核	姓名	日期
制图人	制图	姓名	日期
校对	校对	姓名	日期
审核	审核	姓名	日期
批准	批准	姓名	日期



项目名称 分单名称 项目编号				图号 专业 阶段			
				日期 2020.10			
项目负责人 专业 职务				项目负责人 姓名 职务			
国建绿住(天津)科技有限公司				Type C			



项目负责人 曹文 曹文		专业负责人 曹文 曹文		审核 曹文 曹文		日期 2020.10	
项目工程 分部分项 项目工程		工程名称 工程名称		工程地点 工程地点		工程编号 工程编号	
国建绿住(天津)科技有限公司				Type D			
图号	图幅	比例	日期	图号	图幅	比例	日期
	A3	1:50	2020.10				



国建绿住(天津)科技有限公司

Type A

图名

编制人
审核人
审批人

日期

专业

图号

比例

日期

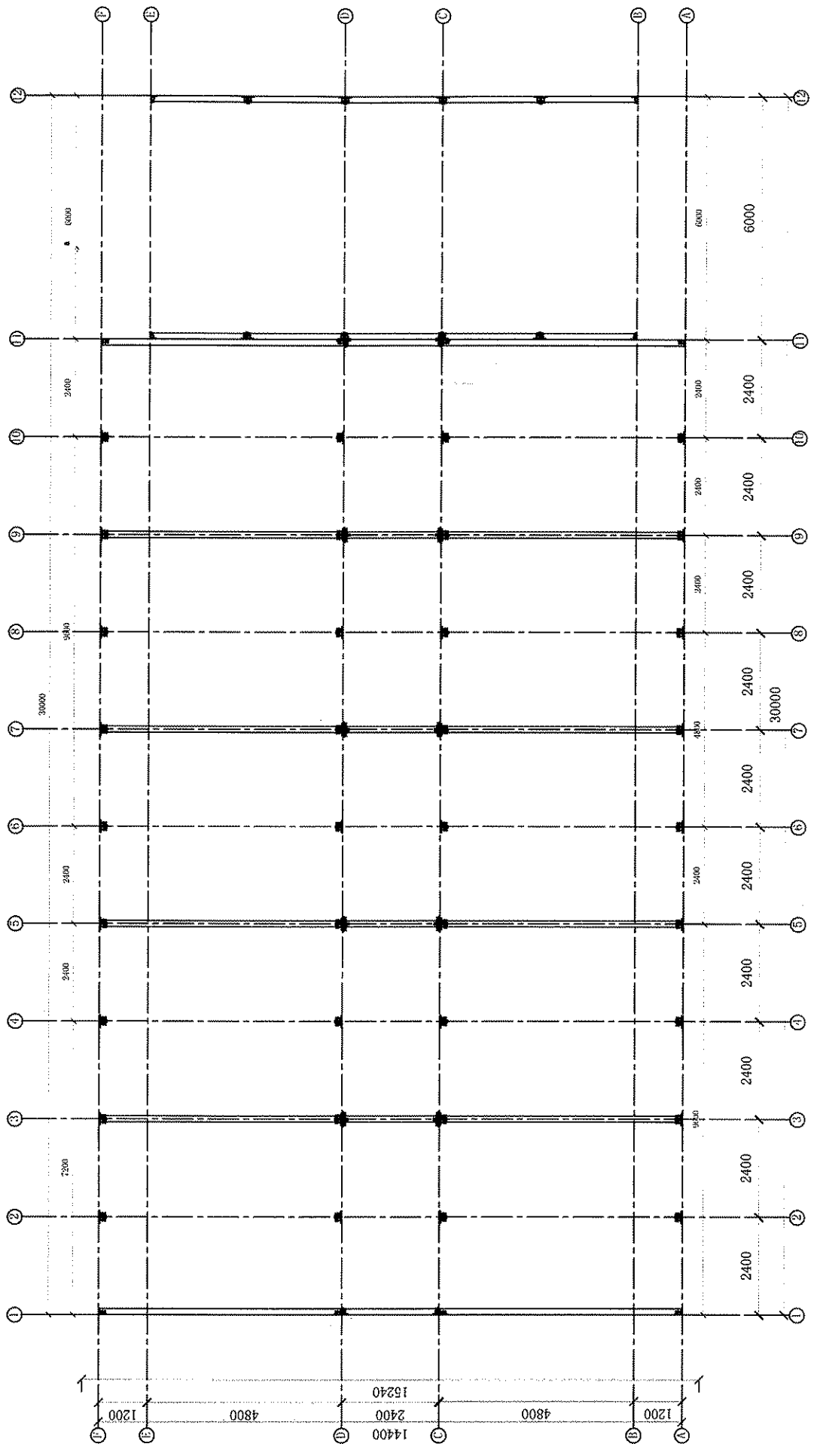
图幅

日期

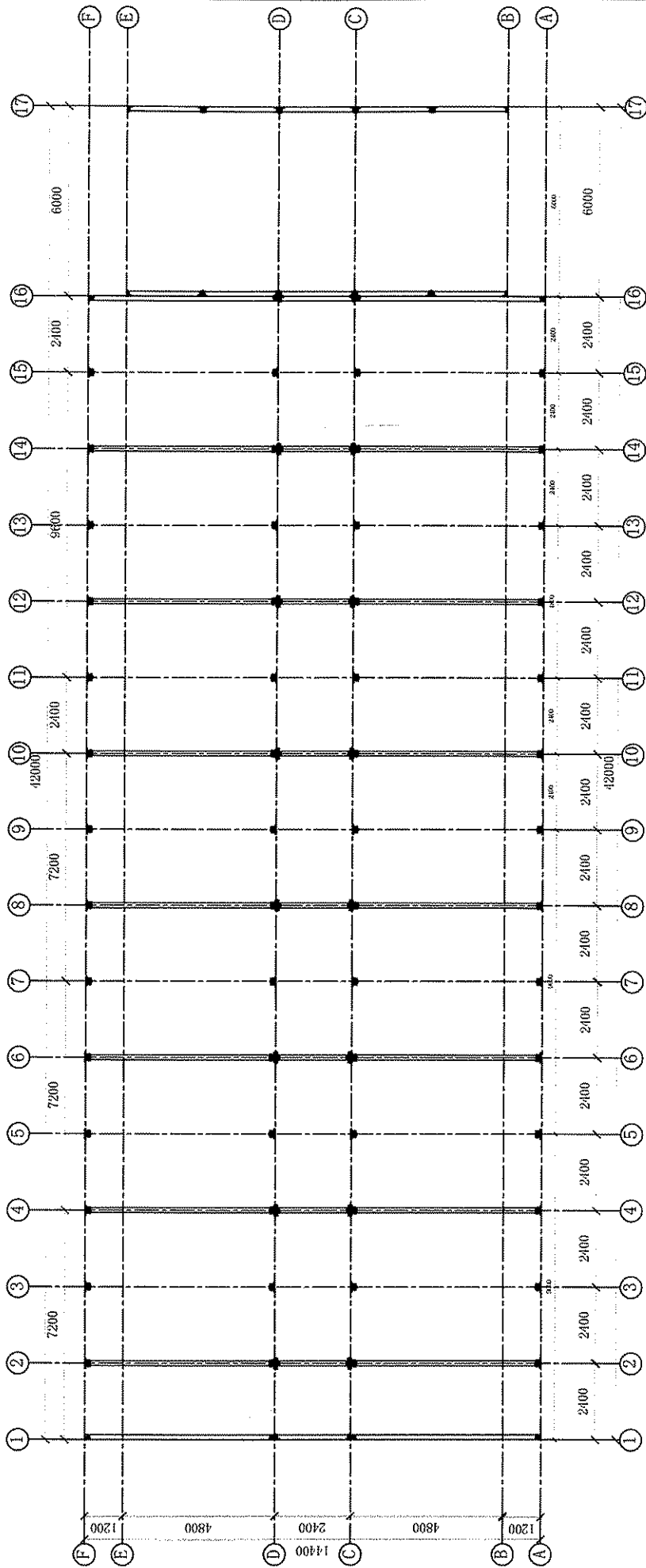
2020.10

1:50

A3



项目名称: 国建绿住(天津)科技有限公司 图名: Type B 图号: A3 比例: 1:50 日期: 2020.10			
项目负责人	专业负责人	审核	日期
设计	设计	设计	设计
日期	日期	日期	日期



国建绿住(天津)科技有限公司

Type C

图号	图名	比例	日期
专号	专名	1:50	2020.10
校号	校名		

项目负责人	项目审核
姓名	姓名
签字	签字

专业负责人	专业审核
姓名	姓名
签字	签字

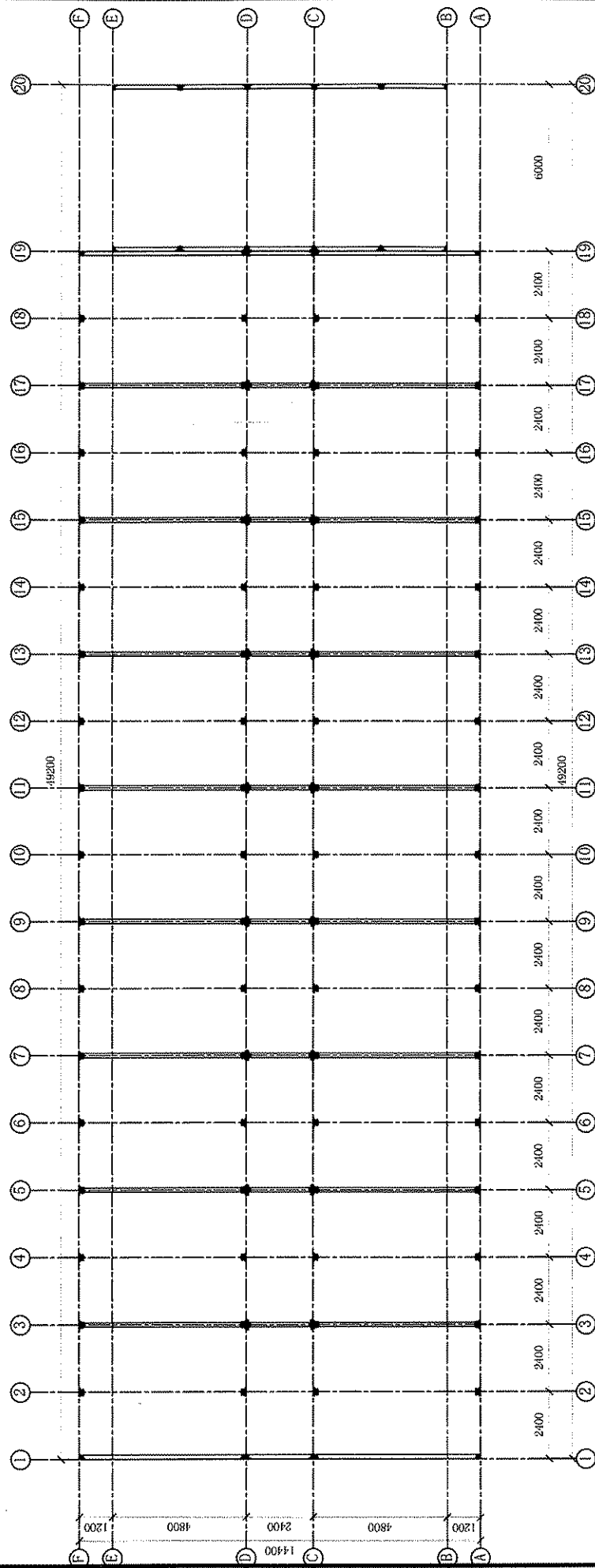
项目负责人	项目审核
姓名	姓名
签字	签字

项目负责人	项目审核
姓名	姓名
签字	签字

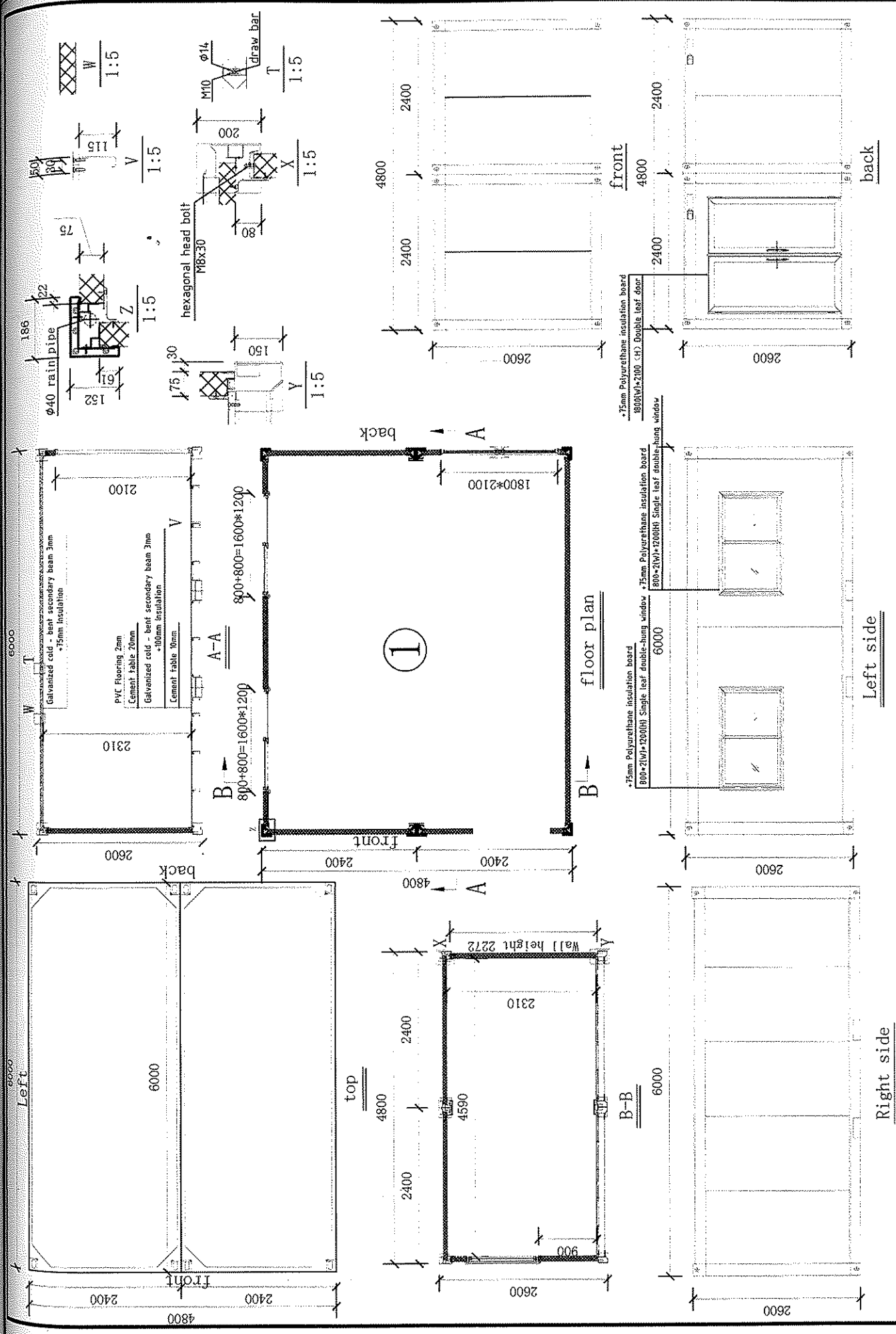
项目负责人	项目审核
姓名	姓名
签字	签字

项目负责人	项目审核
姓名	姓名
签字	签字

项目负责人	项目审核
姓名	姓名
签字	签字

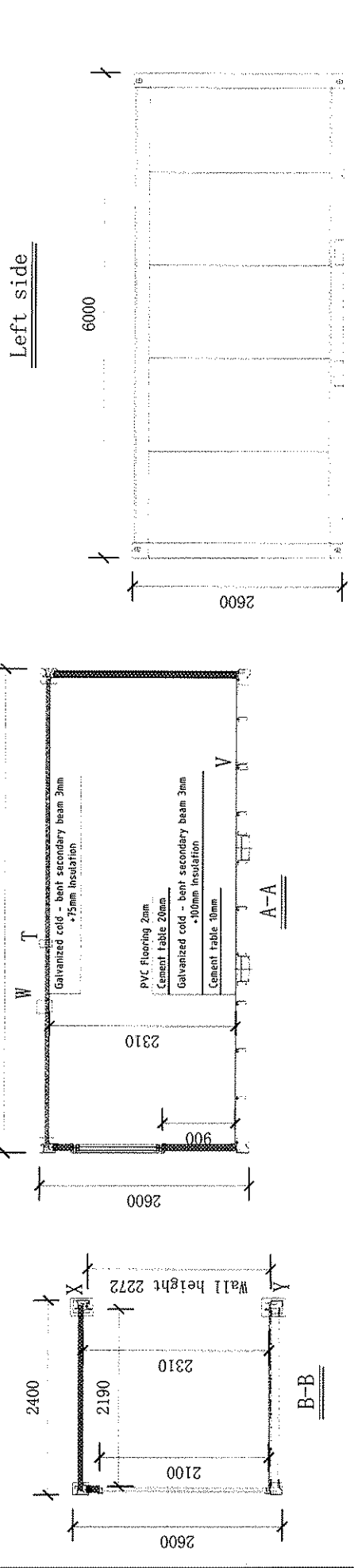
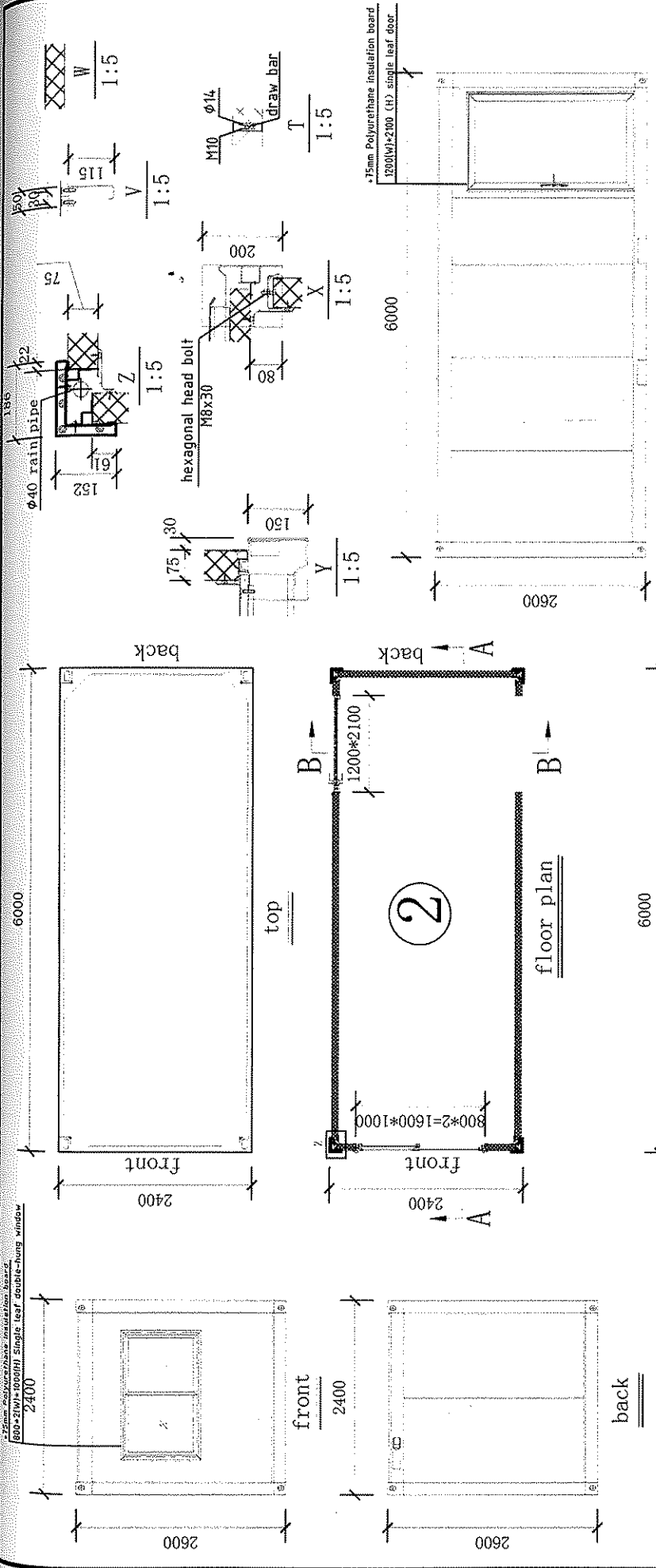


国建绿住（天津）科技有限公司 项目名称 项目负责人 专业 日期				Type D 图名 比例 日期				图号 专业 日期		图幅 A3 比例 1:50 日期 2020.10	
---	--	--	--	--------------------------	--	--	--	----------------	--	---	--



图名		Type 1	
图号	数量	比例	日期
A3	150		2020.10
项目负责人	设计	审核	
姓名	姓名	姓名	
项目经理	分项目经理	项目签字	
国建绿住(天津)科技有限公司			

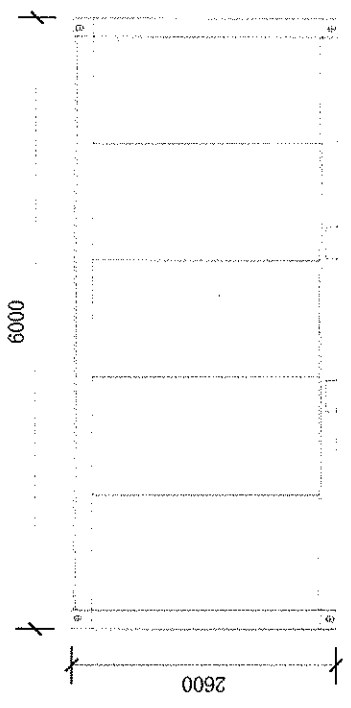
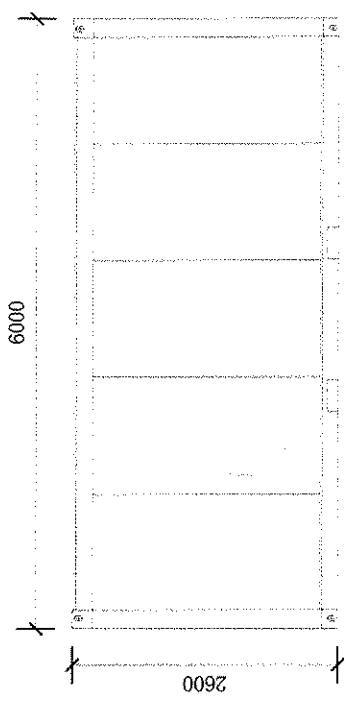
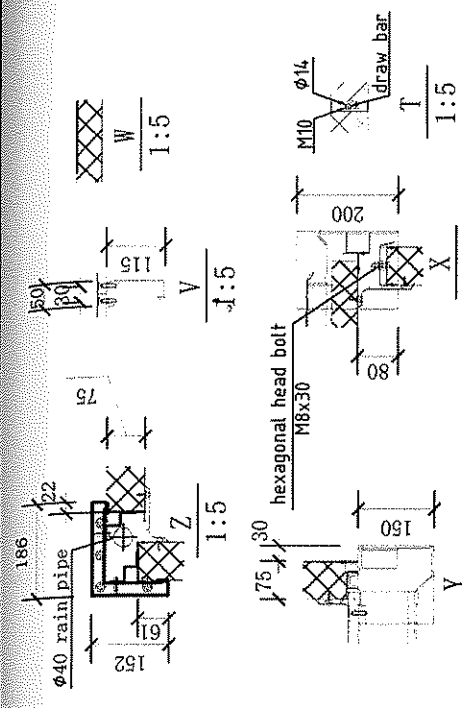
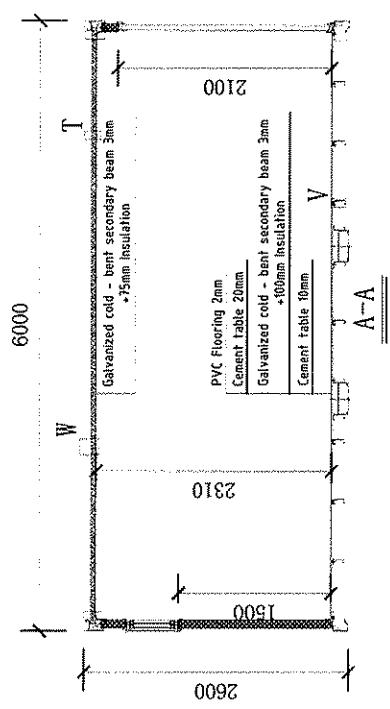
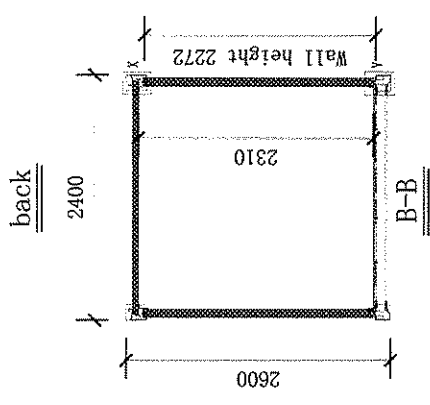
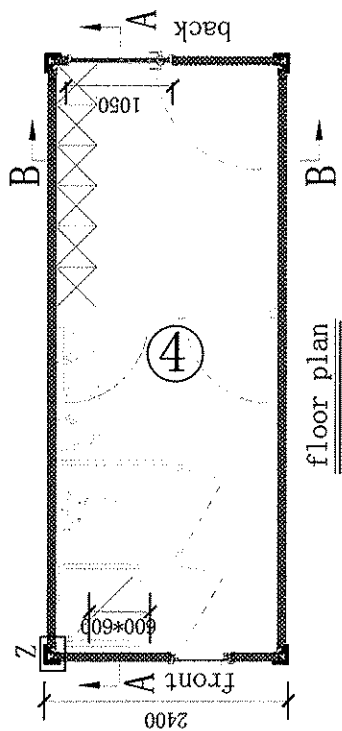
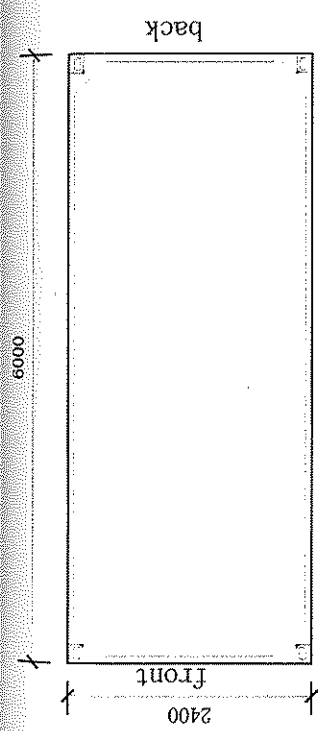
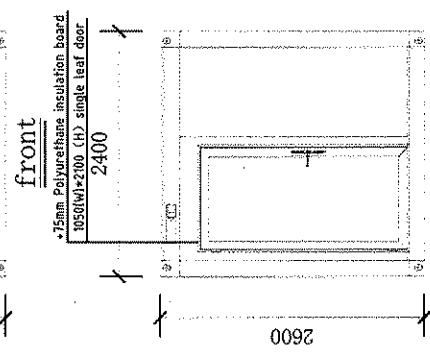
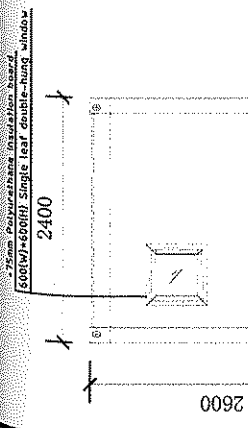
75mm Polyurethane insulation board
800*2100 (H) Single leaf double-hung window



国建绿住 (天津) 科技有限公司

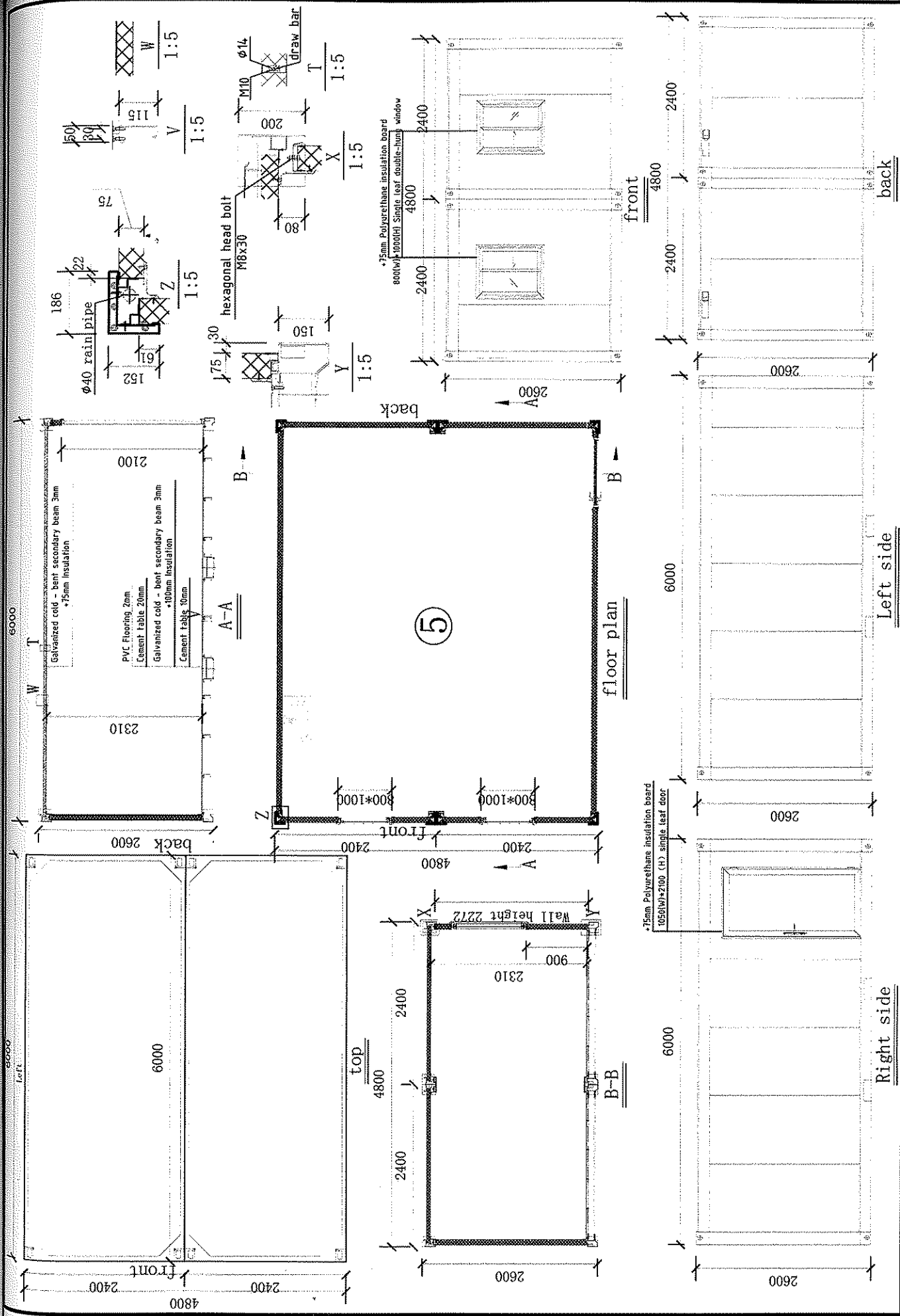
项目负责人	专业负责人	项目名称	图名	图号	日期
单 位	单 位	分 项 名 称	Type 2	专业	日期
单 位	单 位	项 目 编 号		数量	2020.10

审核	日期
设计	日期
校核	日期
绘图	日期



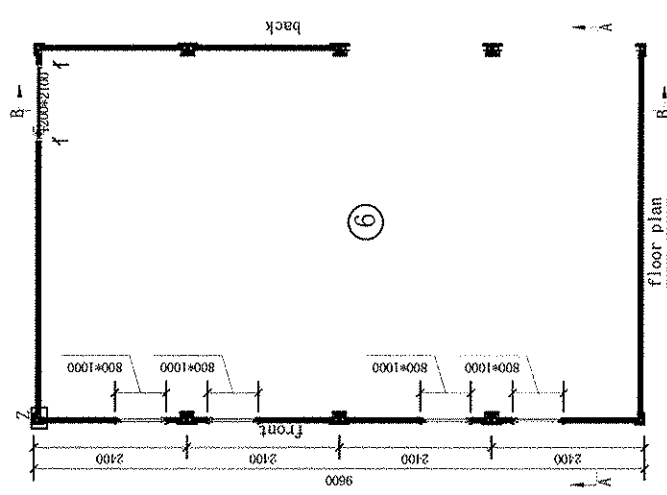
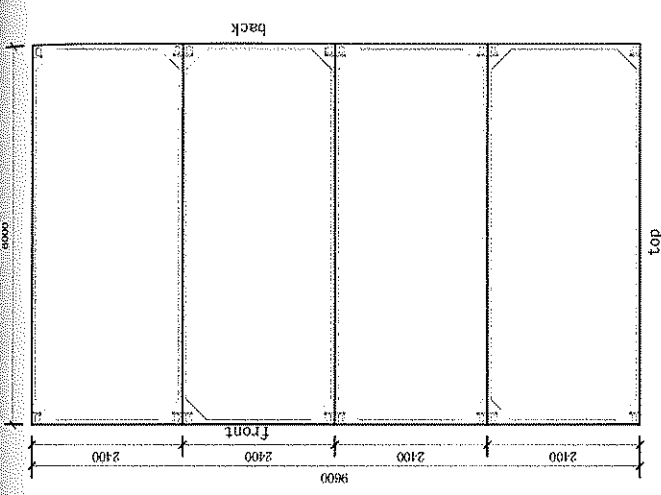
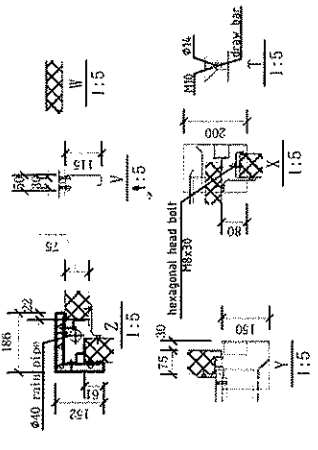
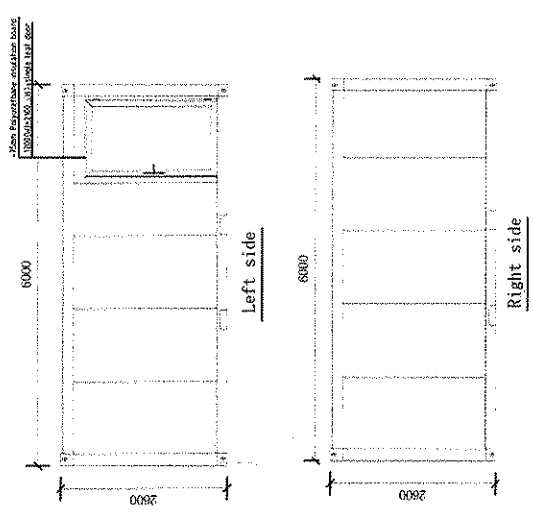
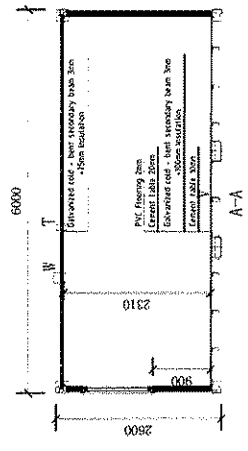
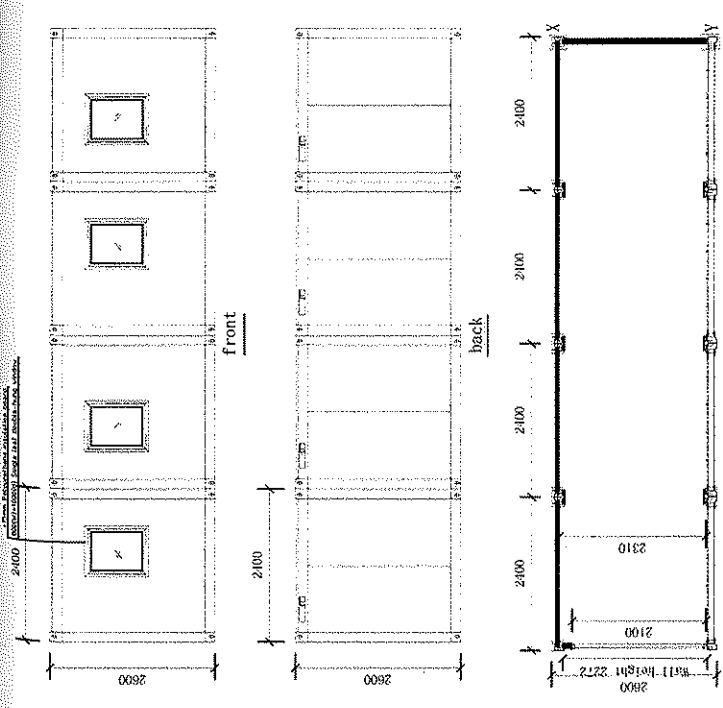
国建绿住 (天津) 科技有限公司

项目负责人	姓名	职务	日期	审核人	姓名	职务	日期	审核人	姓名	职务	日期
图名								Type 4			
图号				图例				比例			
A3				1:50				日期			
2020-10											



图号		A3	
比例		1:50	
日期		2020.10	
图名		Type 5	
项目负责人	设计	审核	制图
项目核算	分专业	审核	制图

国建绿住(天津)科技有限公司



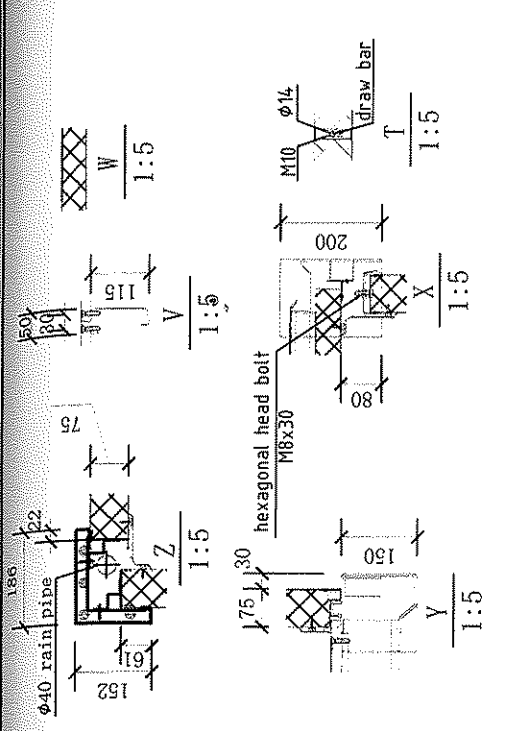
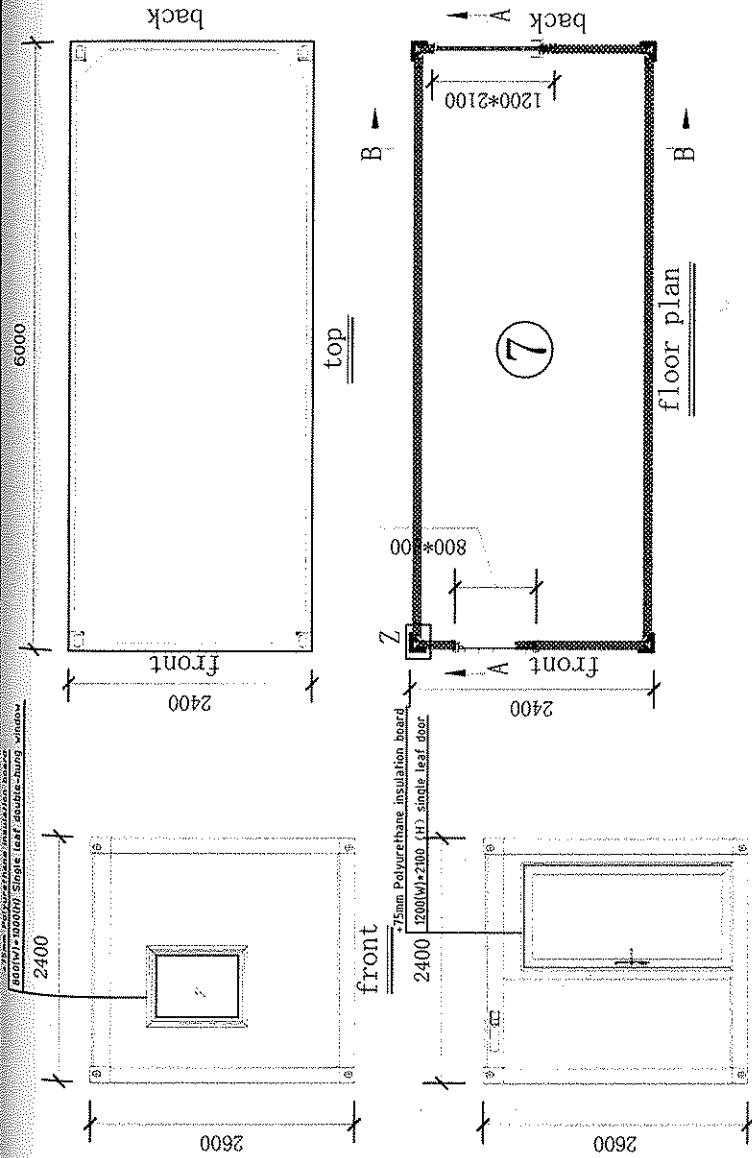
国建绿住(天津)科技有限公司

Type 6

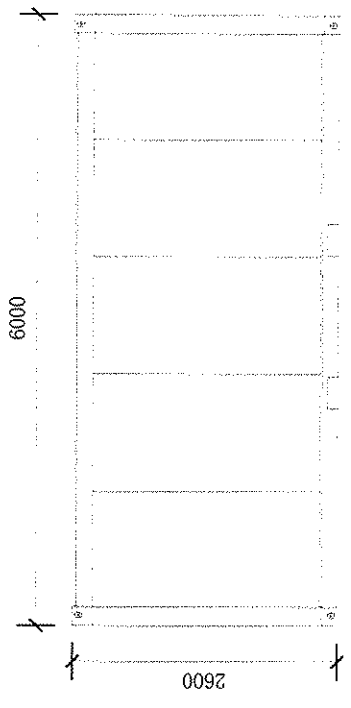
图号	图名	比例	日期
A3	图名	1:50	2020.10

项目负责人	设计人	审核人	项目经理
张	王	李	赵

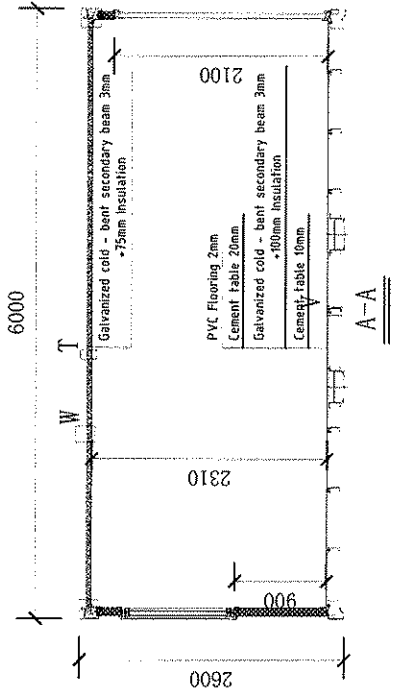
800(V)×1200(H) Single leaf fabric-hung window



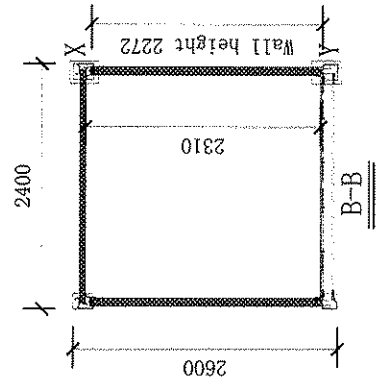
Left side



Right side



A-A



B-B

国建绿住(天津)科技有限公司

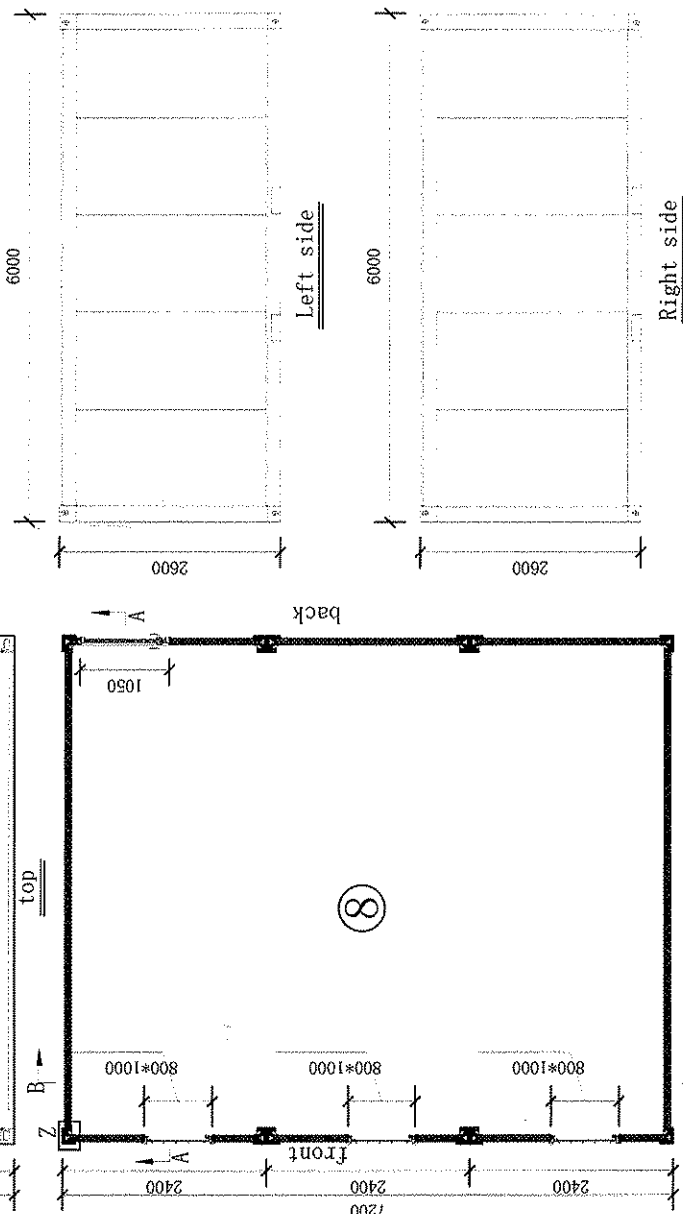
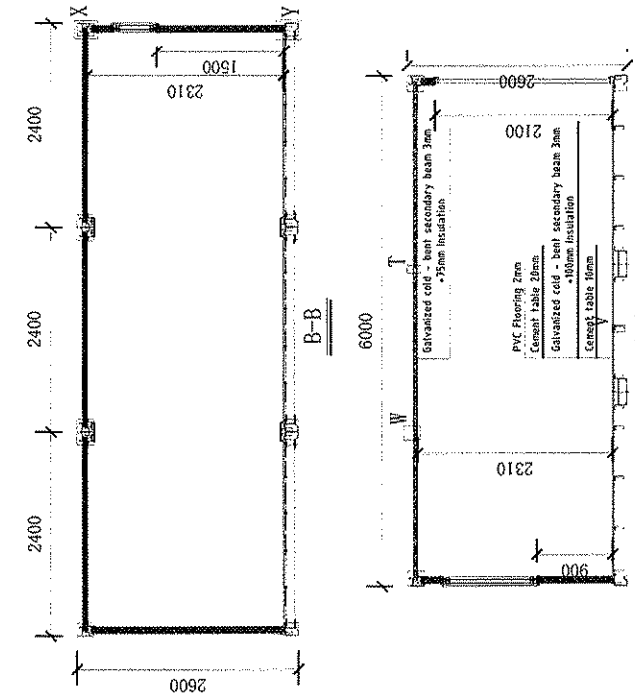
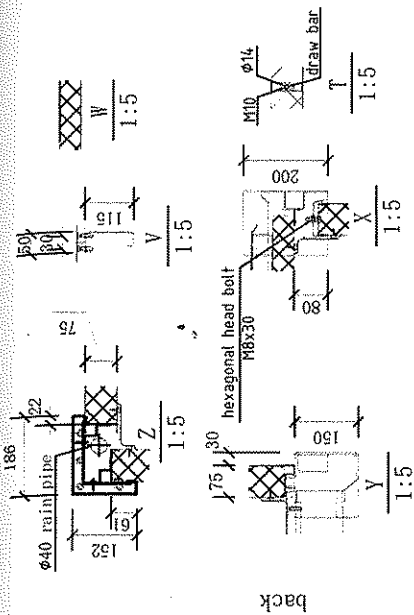
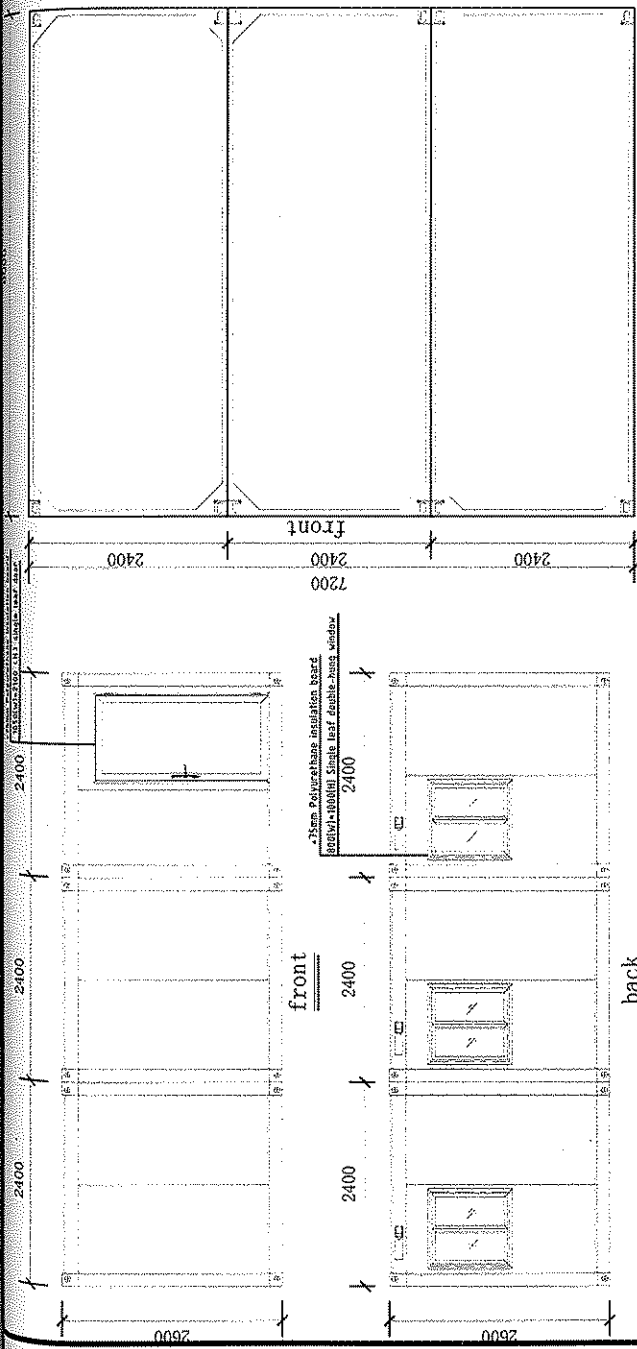
项目负责人	设计	审核	制图
姓名	姓名	姓名	姓名
日期	日期	日期	日期

图名

Type 7

图号	数量	张数

图幅	A3
比例	1:50
日期	2020.10



国建绿住(天津)科技有限公司

Type 8

图名

图号

图例

图例

图例

图例

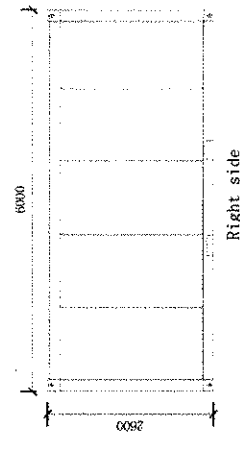
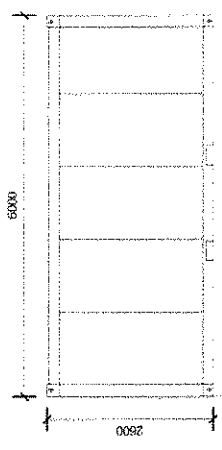
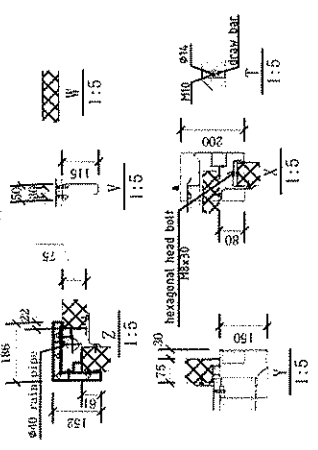
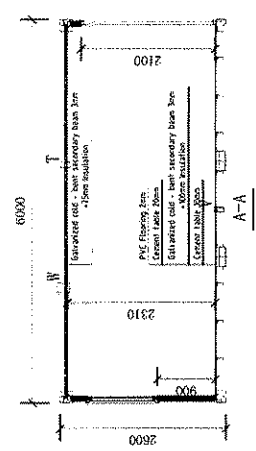
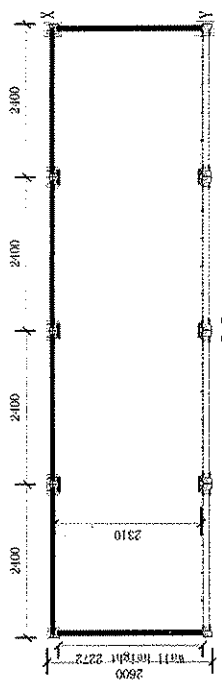
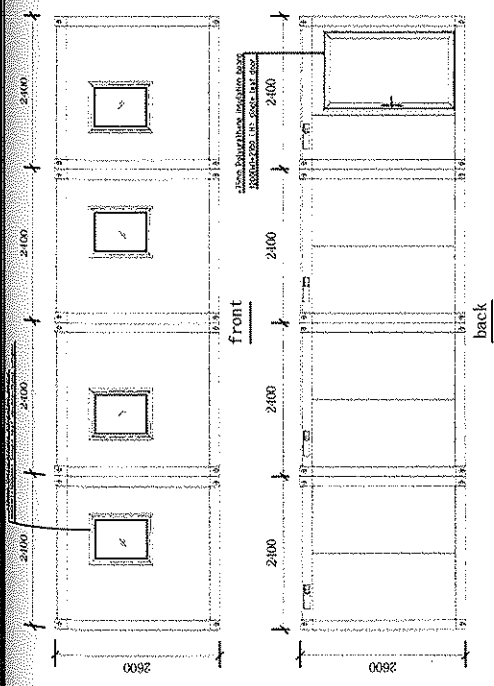
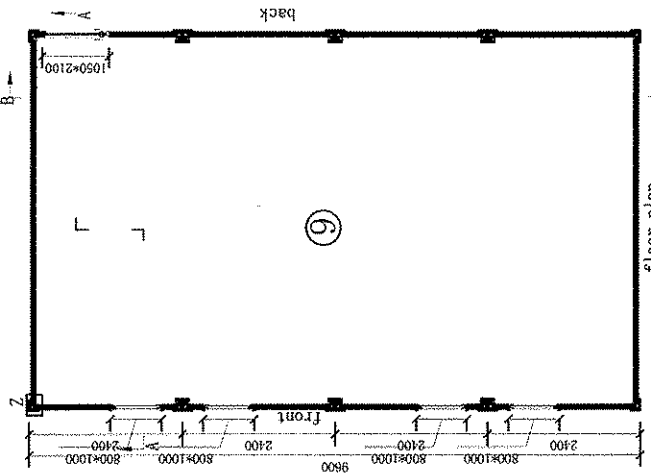
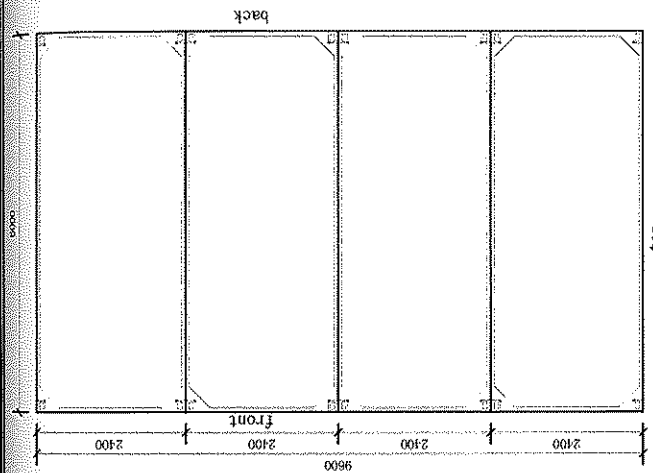
图例

图例

图例

图例

图例	A3
图例	比例 1:50
图例	日期 2020.10

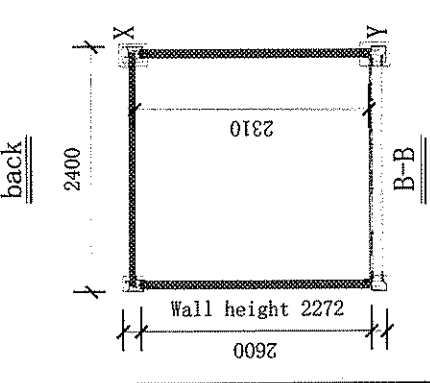
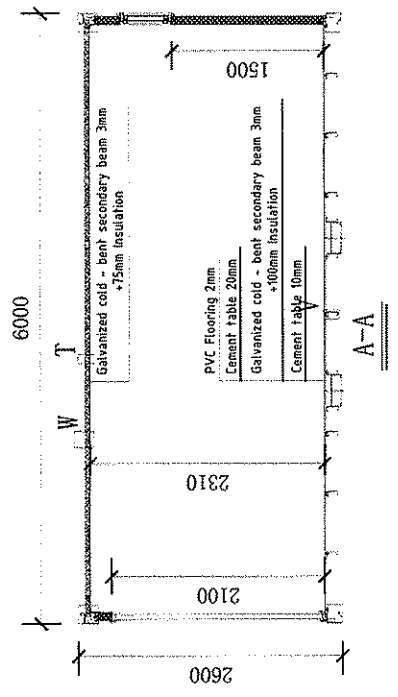
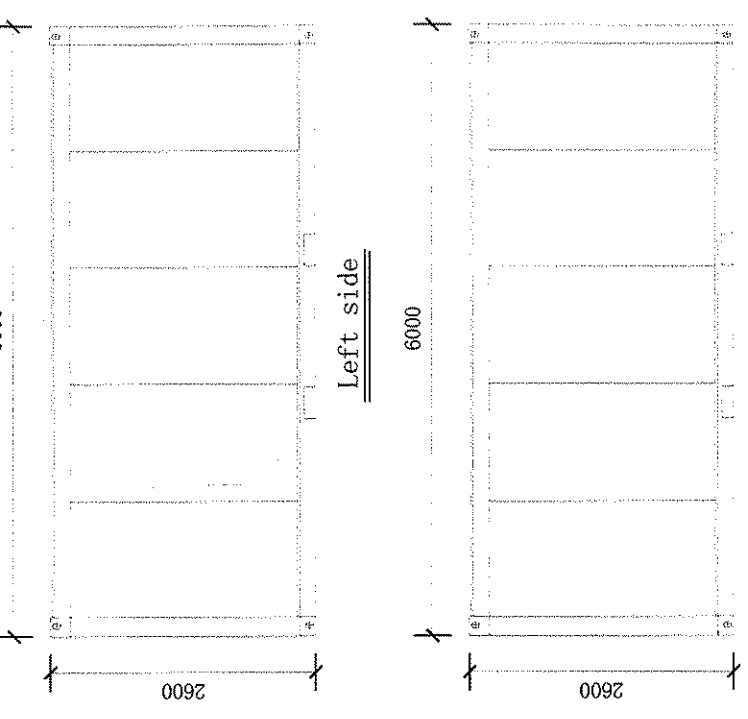
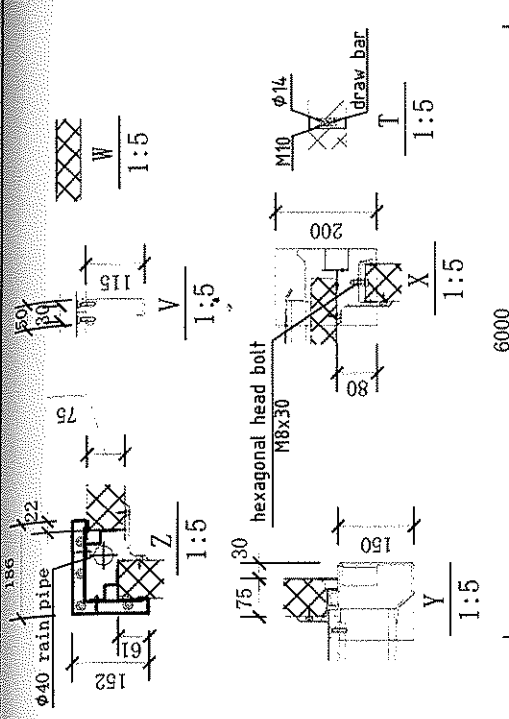
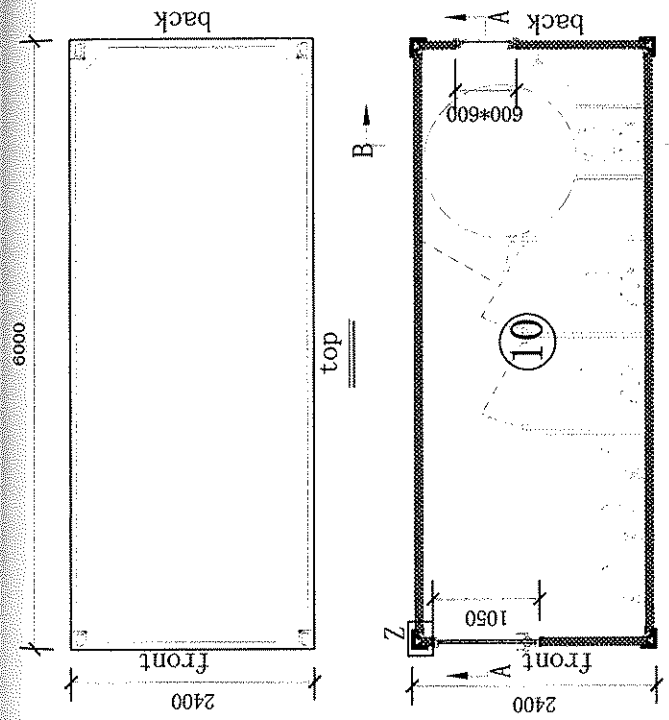
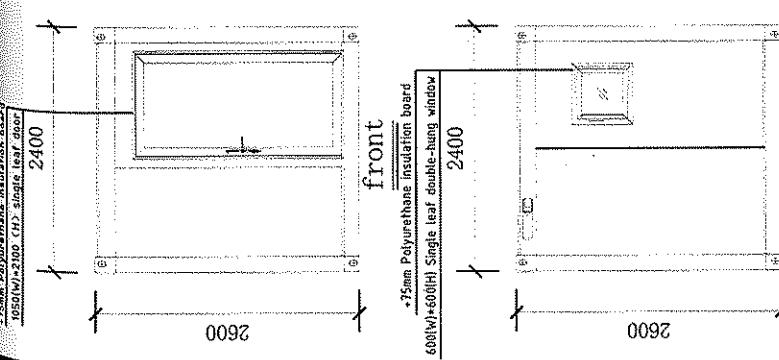


国建绿住(天津)科技有限公司

Type 9

图号	图名	比例	日期
150	A3	1:50	2020.10

项目负责人	设计人	审核人	制图人
王天	王天	王天	王天



国建绿住(天津)科技有限公司

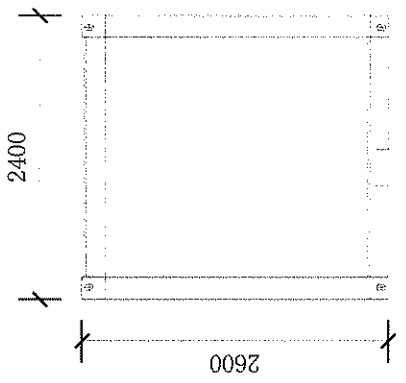
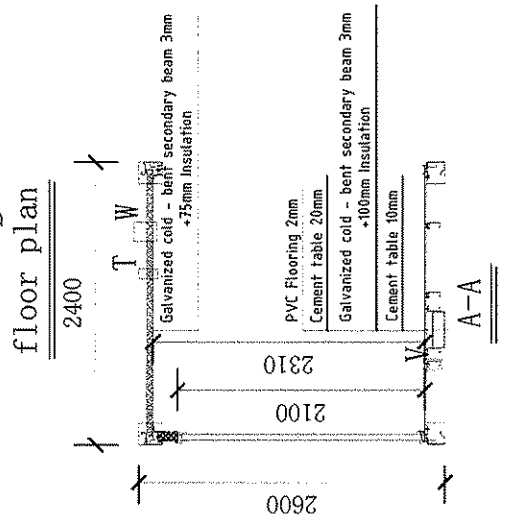
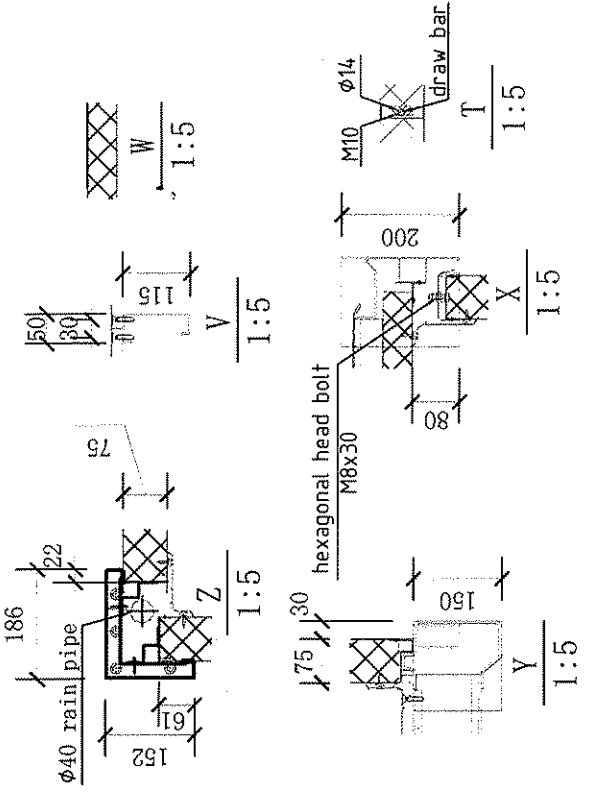
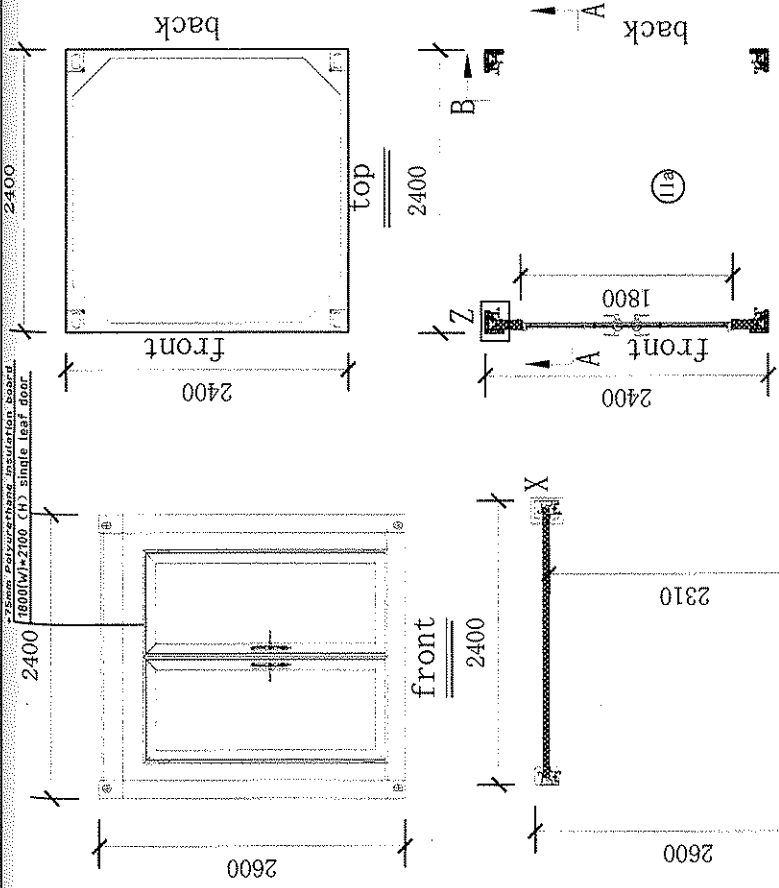
Type 10

图号	数量	规格	备注
图号	数量	规格	备注
图号	数量	规格	备注
图号	数量	规格	备注

项目负责人	技术负责人	项目经理	监理单位
姓名	姓名	姓名	名称
签字	签字	签字	盖章
日期	日期	日期	日期

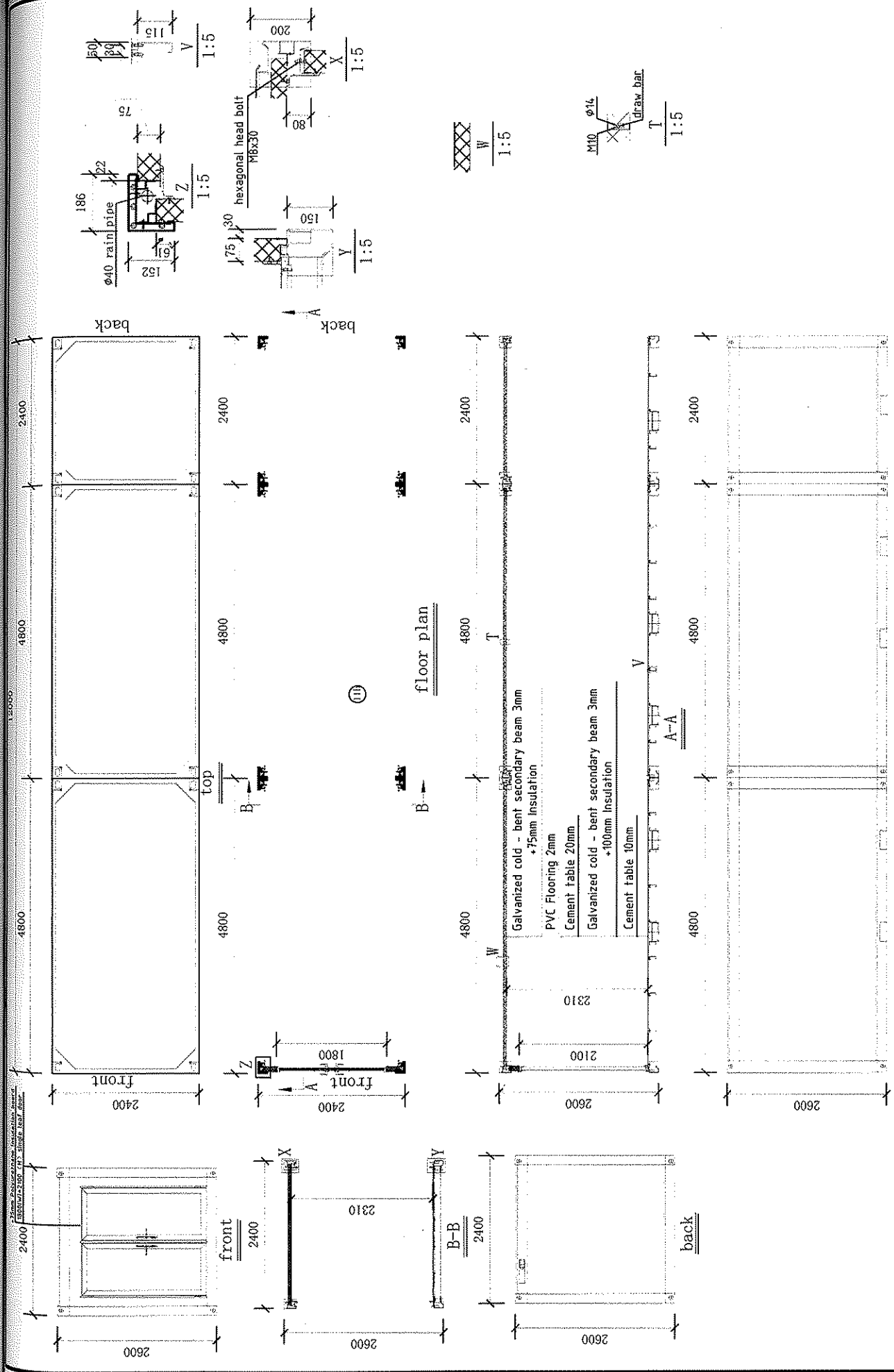
图名	图号	比例	日期
Type 10	A3	1:50	2020.10

25mm galvanized cold-bent secondary beam
[800(M)×2100 (H) single leaf door]



Left & Right side

图号	数量	比例	日期
A3	150		2020.10
姓名	职务	姓名	职务
制图人	审核人	姓名	姓名
图名		Type 11(a)	



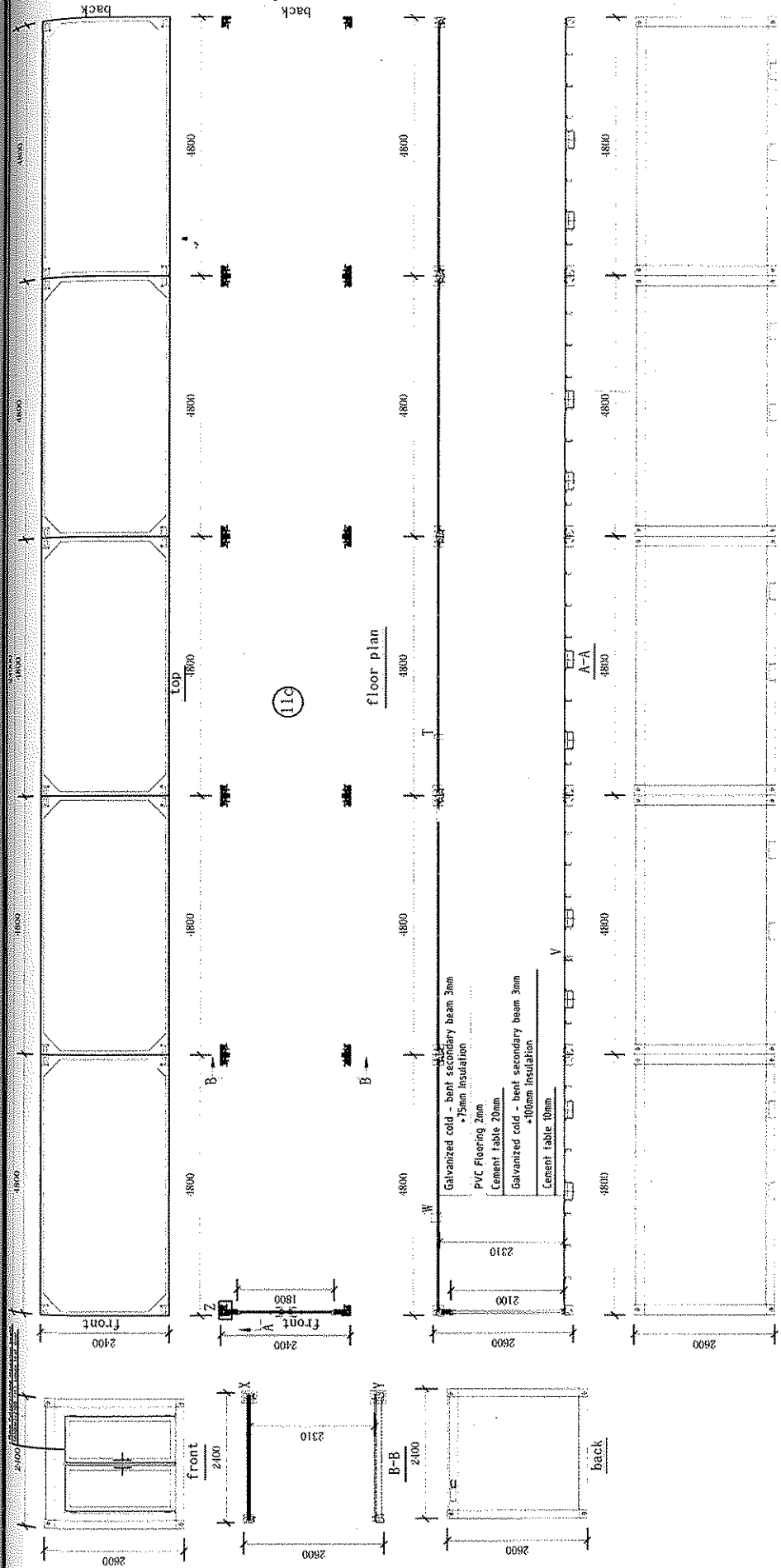
Left & Right side

国建绿住 (天津) 科技有限公司

项目负责人	设计人	审核人	项目经理
曹 亮	曹 亮	曹 亮	曹 亮

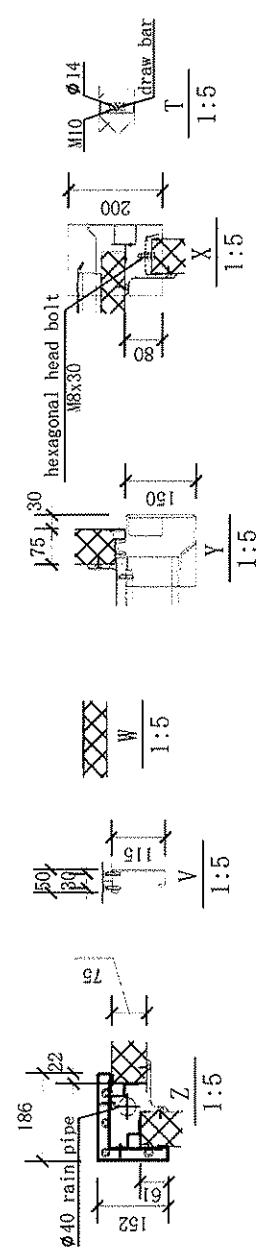
图名
Type 11(b)

图号	比例	图幅
03	1:50	A3
日期	2020.10	

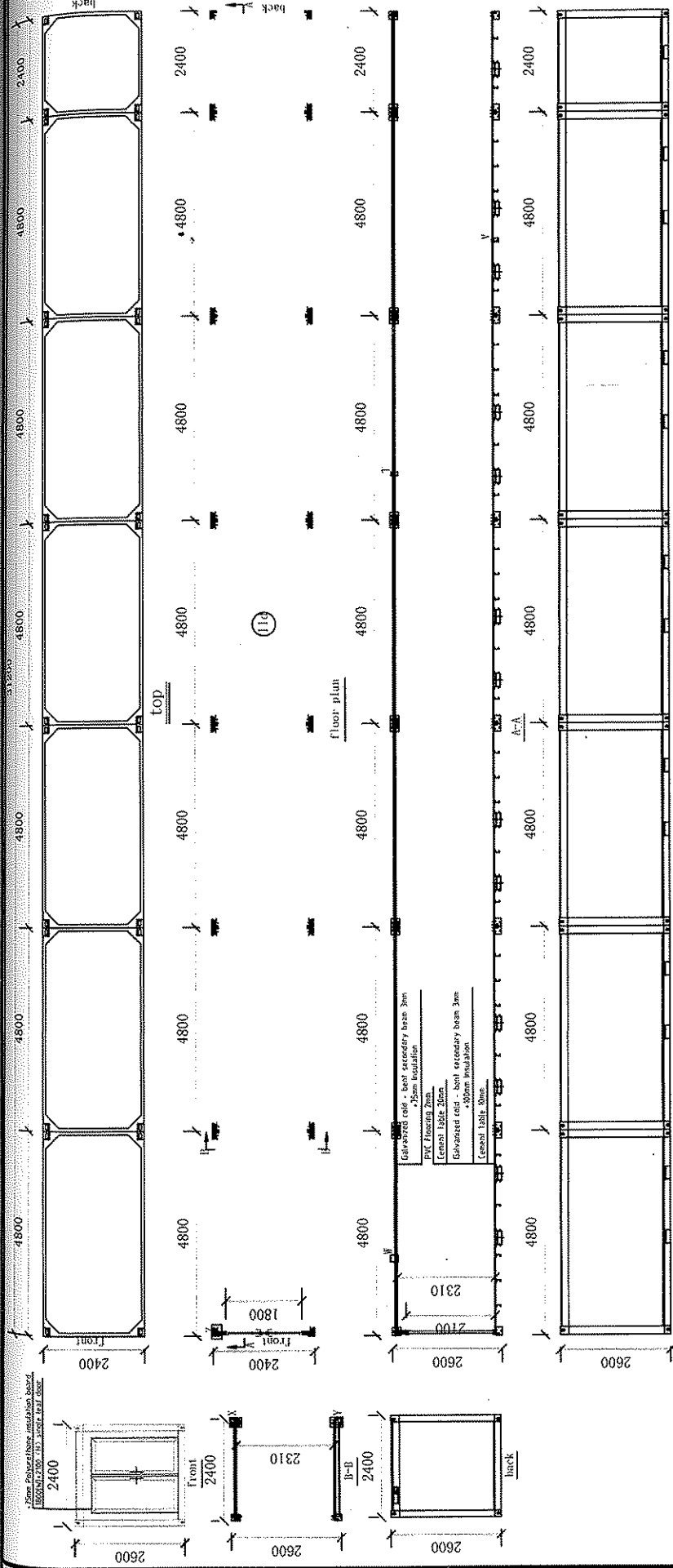


Galvanized cold - bent secondary beam 3mm
 +75mm insulation
 PVC Flooring 2mm
 Cement Table 20mm
 Galvanized cold - bent secondary beam 3mm
 +100mm insulation
 Cement Table 10mm

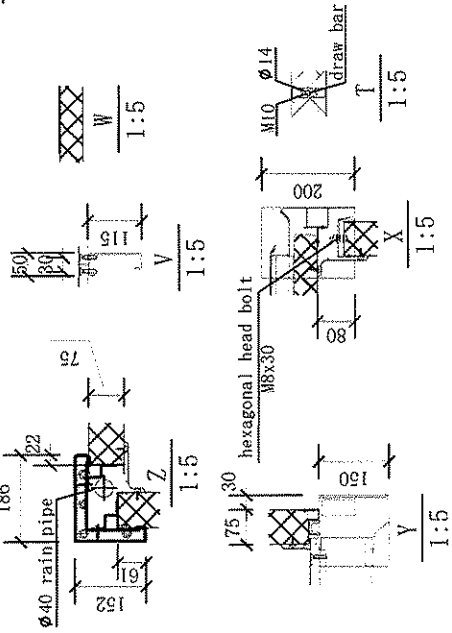
Left & Right side



图号	图名	比例	日期
11(c)	Type 11(c)	1:50	2020.10
设计人	审核人	制图人	校对
王	李	张	刘
日期	比例	图号	图名
2020.10	1:50	11(c)	Type 11(c)

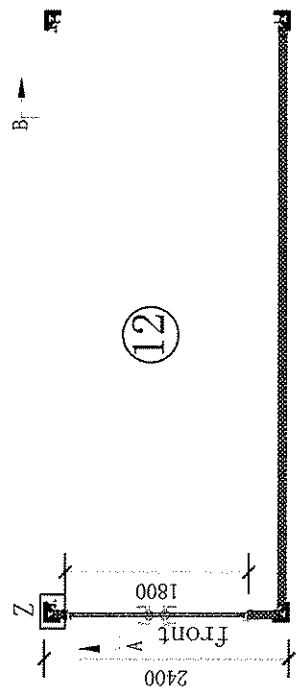
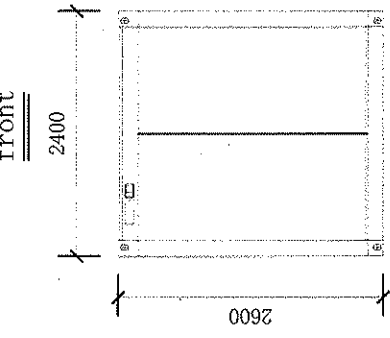
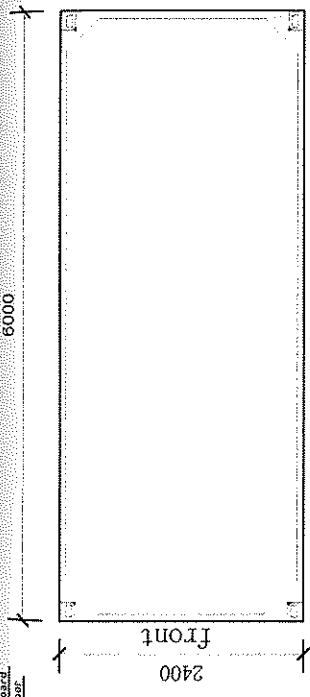
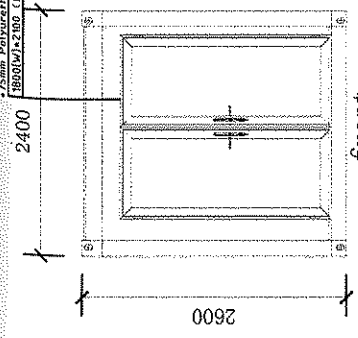


Left & Right side

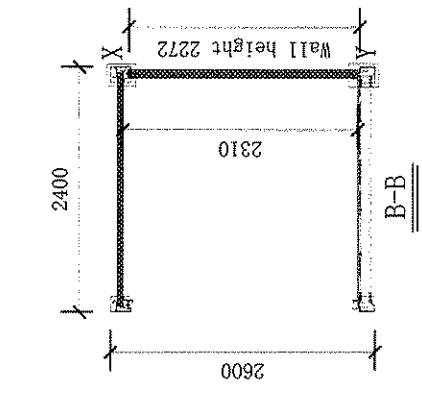
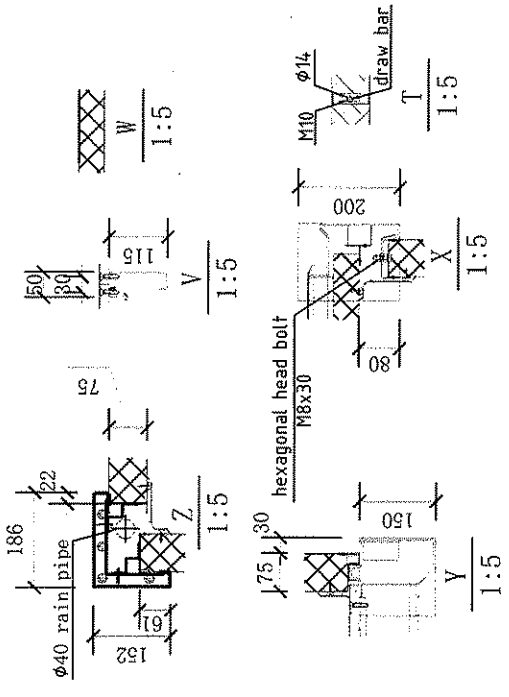


项目编号	图名	图号	日期
202010	Type 11(d)	A3	2020.10
编制	审核	计算	校对
数量	比例	1:50	

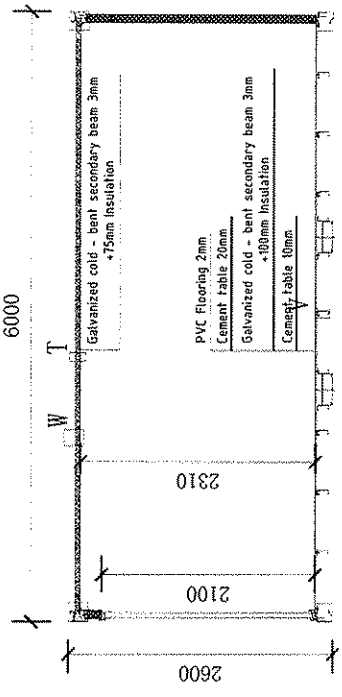
75mm Polystyrene insulation board
1800(W) x 2100 (H) single leaf door.



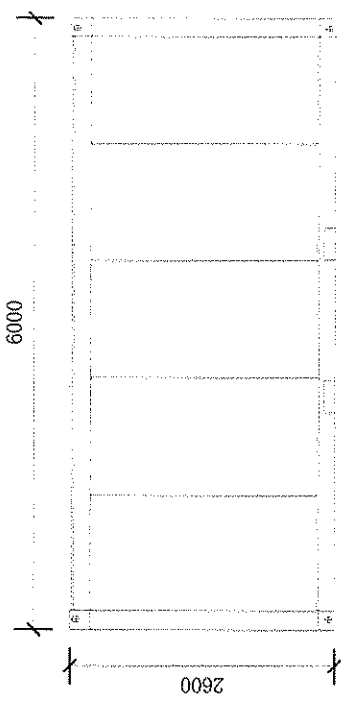
floor plan



A-A



B-B



Left & Right side

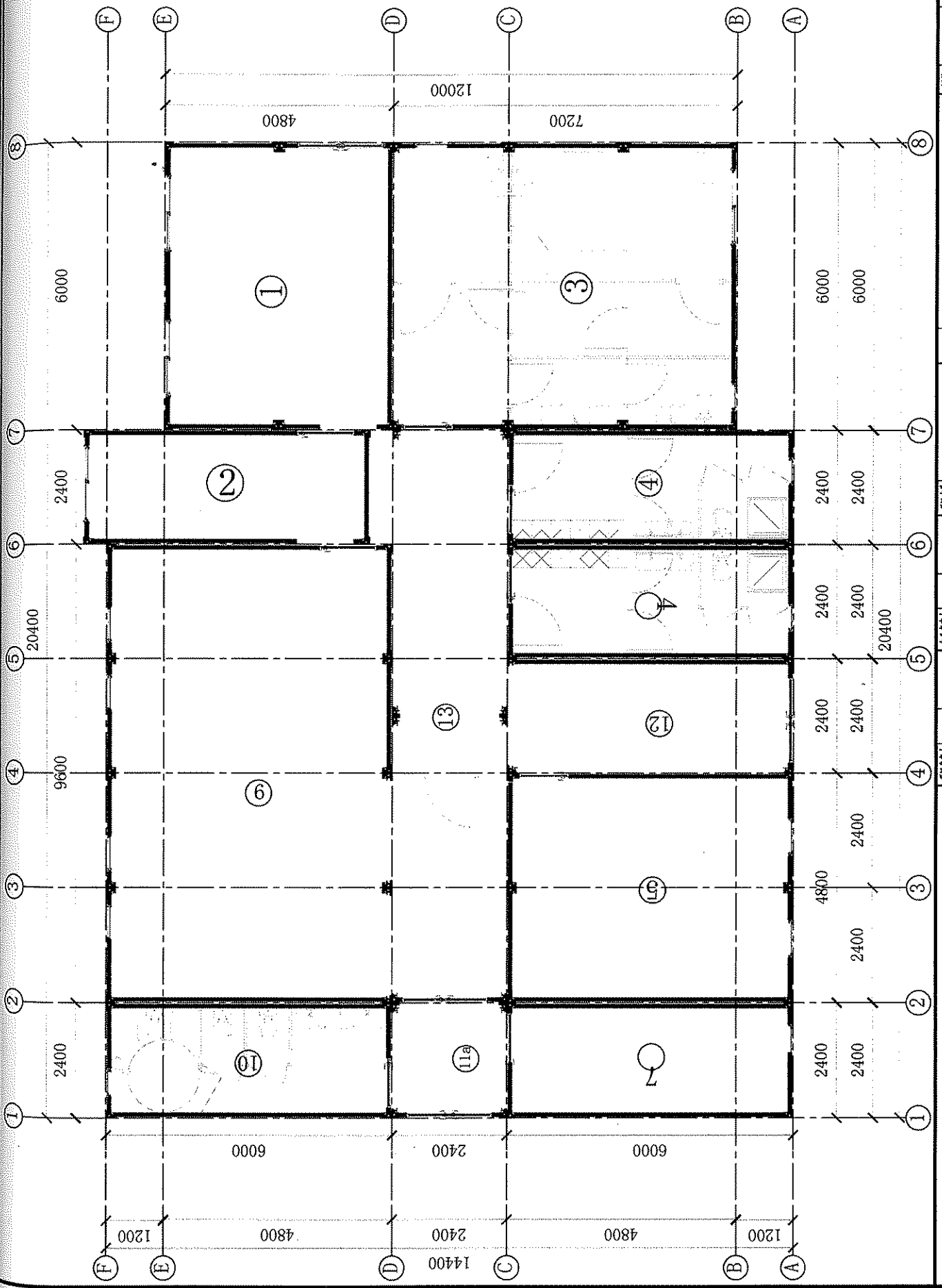
(12)

图号	数量	比例	日期
专业	150		
审核			

项目负责人	专业负责人	项目经
王	袁	分
章	林	理
章	林	理

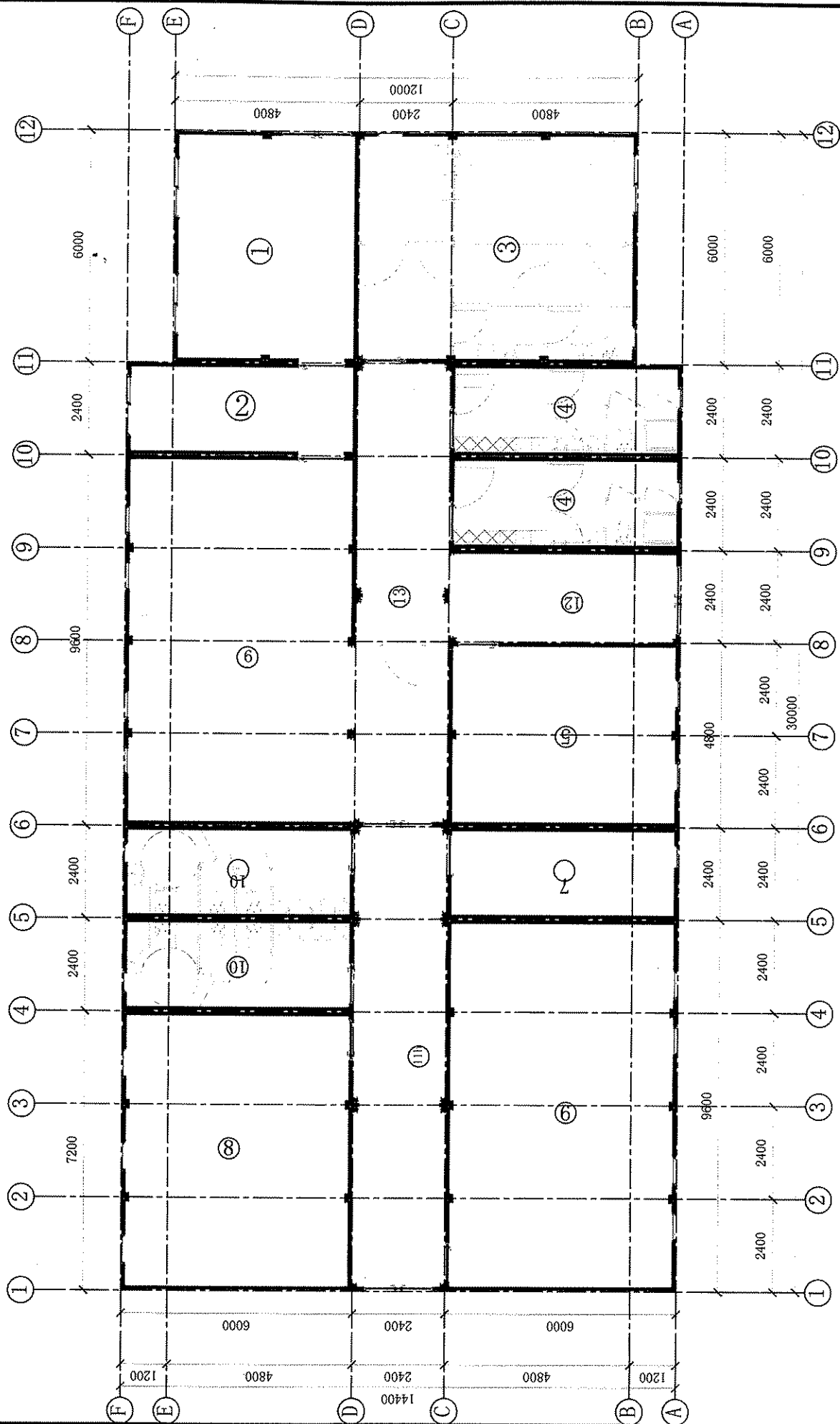
项目经	数量	比例	日期
分	150		
理			

图名	数量	比例	日期
Type 12	150		



项目负责人 曹 亮		审核人 曹 亮		项目经理 曹 亮		姓名 曹 亮		日期 2020.10	
图号 专业		图名 Type A		比例 1:50		日期 2020.10		图例 A3	

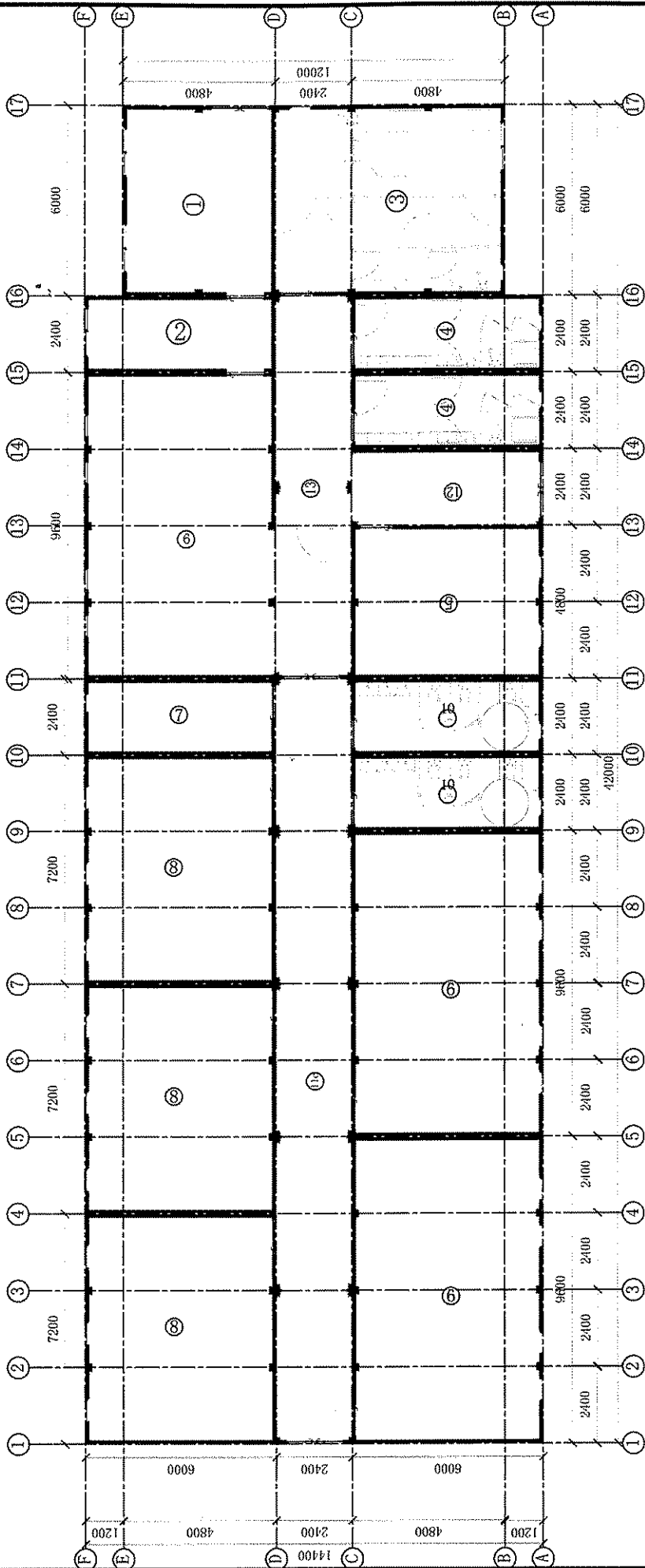
国建绿住(天津)科技有限公司



Type B

项目负责人: _____ 专业负责人: _____		项目经理: _____ 专业负责人: _____		审核: _____ 日期: _____	
单位: _____		工程名称: _____		图名: _____	
比例: _____		日期: _____		日期: _____	

国建绿住（天津）科技有限公司
 图号: _____
 日期: 2020.10



国建绿住(天津)科技有限公司

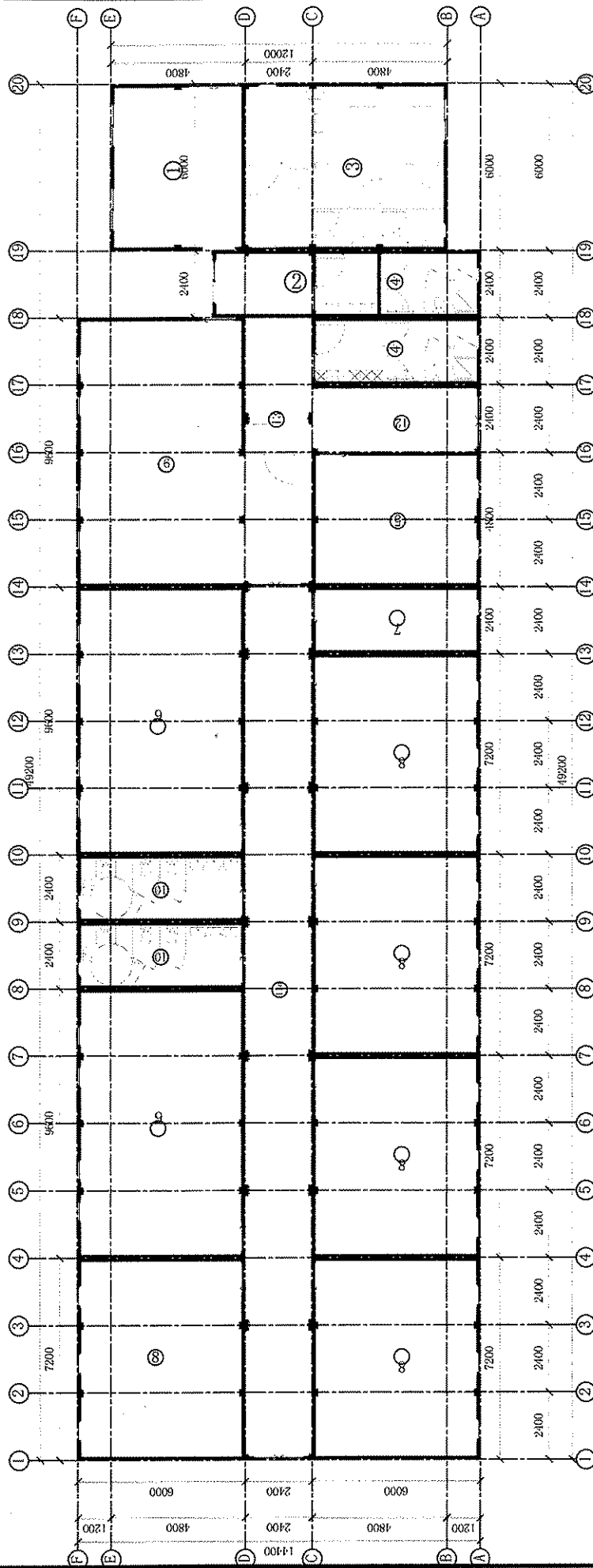
Type C

图号	图名	比例	日期
		1:50	2020.10

项目负责人	项目审核
设计	审核

专业负责人	项目审核
设计	审核

项目负责人	项目审核
设计	审核



国建绿住(天津)科技有限公司

Type D

图号	专业	日期
A3	150	2020.10

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

项目名称	项目负责人
分室名称	设计
项目编号	图

Comparison of Chinese and European structural design calculation standards

This project is designed according to the following Chinese specifications:

Load code for the design of building structures GB 50009-2001: this specification is applicable to calculate the dead load and live load, wind load in particular.

GB 50018-2002 cold bending thin-wall steel structure technical specifications: this specification applies to the design of the building mainly thin-walled parts, including column, beam and links.

Cecs102:2002 Technical Specification for Light Building Steel Structures with Portal frames: This specification is applicable to the design of building purlins and main frames.

Code for the Design of Steel Structures GB 50017-2003: This code is applicable to the determination of material design values and parameters, as well as some connectors.

Since The European specification is widely used as the typical international design standard, to give you a better understanding of Chinese design, we have compared the European specification codes. All corresponding European codes are as follows:

BS EN 1993-1-3:2006.European Specification 3 - Design of steel structures - Part 1-3: Supplementary rules for cold-bending members and sheets in general.

BS EN 1993-1-1:2005.European Code 3- Design of steel structures - Part 1-1: General and building rules.

BS EN 1990:2002. European code 0- Foundation for structural design.

Parts	China design Code	European Design Code
Column	GB50018-2002 , Eq5.5.1	BS EN 1993-1-3:2006, Eq.6.24
Girder	GB50018-2002, Eq.5.3.1	BS EN 1993-1-3:2006, Eq.6.4
Secondary beam		
Purline	CECS102: 2002, Eq.6.3.7	BS EN 1993-1-3:2006, Eq.6.7
Color plate	GB50018-2002, item 7.1.5 & 7.1.8, Eq7.1.8)	BS EN 1993-1-3: 2006, Eq.6.4,
Floor	GB50018-2002, item 7.1.5 & 7.1.8, Eq7.1.8)	BS EN 1993-1-3: 2006, Eq.6.4,
Deck		

In general, Chinese design codes use an expression to satisfy the inequality, where S is the load effect and R is the resistance of the structure. Zero is the coefficient of the different structures, which is for most common structures, is equal to one. The European specification also USES the load and drag coefficient design method, or LRFD for short, although they provide members of the equation that determines the resistance R. There is no essential difference between the Chinese code and the European code.

For the material's design strength indicator, the China code lists the design values, meaning that these values separate the resistance component from the yield strength, and use the European code for the basic yield strength, e.g. Fyb is tensile or compression strength, but the equation should be divided by the resistance M0 component. In fact, there's no difference just design the equations.

For normal use of limit states (SLS), the combination of action of the Chinese code and the European code is the same, and all component coefficients are usually equal to 1.

Due to the cold forming effect of cold-formed thin-walled steel, its strength will be improved. This is mentioned in both the Chinese code and the European code.

Conclusion: The design method of Chinese standard and European standard in this project is similar in design concept and safety concept.

SAP2000 Analysis Report

Prepared by
yyx

Model Name: Type a.sdb

25 È®Å 2018

Contents

1. Model geometry	4
1.1. Joint coordinates	4
1.2. Joint restraints	13
1.3. Element connectivity	19
2. Material properties	34
3. Section properties	35
3.1. Frames	35
3.2. Solids	43
4. Load patterns	43
4.1. Definitions	43
5. Load cases	43
5.1. Definitions	43
5.2. Static case load assignments	44
5.3. Response spectrum case load assignments	44
6. Load combinations	44
7. Structure results	46
7.1. Mass summary	46
7.2. Base reactions	64
8. Joint results	64
9. Frame results	64
10. Material take-off	330
11. Design preferences	330
11.1. Steel design	330
11.2. Concrete design	331
11.3. Aluminum design	331
11.4. Cold formed design	331
12. Design overwrites	332
12.1. Steel design	332
13. Design summary	386
13.1. Steel design	386

List of Figures

Figure 1: Finite element model	4
Figure 2: Deformed shape	46

List of Tables

Table 1: Joint Coordinates	4
Table 2: Joint Restraint Assignments	13
Table 3: Connectivity - Frame	19
Table 4: Frame Section Assignments	26
Table 5: Material Properties 02 - Basic Mechanical Properties	34
Table 6: Material Properties 03a - Steel Data	34
Table 7: Material Properties 03b - Concrete Data	34
Table 8: Material Properties 03d - Cold Formed Data	34
Table 9: Material Properties 03f - Tendon Data	34
Table 10: Frame Section Properties 01 - General, Part 1 of 4	35
Table 10: Frame Section Properties 01 - General, Part 2 of 4	35
Table 10: Frame Section Properties 01 - General, Part 3 of 4	35

yyx

Page 2 of 393

Table 10: Frame Section Properties 01 - General, Part 4 of 4	35
Table 11: Frame Property Modifiers, Part 1 of 2	36
Table 11: Frame Property Modifiers, Part 2 of 2	39
Table 12: Solid Property Definitions	43
Table 13: Load Pattern Definitions	43
Table 14: Load Case Definitions, Part 1 of 2	44
Table 14: Load Case Definitions, Part 2 of 2	44
Table 15: Case - Static 1 - Load Assignments	44
Table 16: Function - Response Spectrum - User	44
Table 17: Combination Definitions	46
Table 18: Assembled Joint Masses, Part 1 of 2	46
Table 18: Assembled Joint Masses, Part 2 of 2	55
Table 19: Base Reactions	64
Table 20: Joint Displacements	65
Table 21: Joint Reactions	83
Table 22: Element Forces - Frames, Part 1 of 2	94
Table 22: Element Forces - Frames, Part 2 of 2	212
Table 23: Material List 2 - By Section Property	330
Table 24: Preferences - Steel Design - AISC 360-10, Part 1 of 4	330
Table 24: Preferences - Steel Design - AISC 360-10, Part 2 of 4	330
Table 24: Preferences - Steel Design - AISC 360-10, Part 3 of 4	331
Table 24: Preferences - Steel Design - AISC 360-10, Part 4 of 4	331
Table 25: Preferences - Concrete Design - ACI 318-14, Part 1 of 2	331
Table 25: Preferences - Concrete Design - ACI 318-14, Part 2 of 2	331
Table 26: Preferences - Aluminum Design - AA ASD 2004	331
Table 27: Preferences - Cold Formed Design - AISI S100	332
Table 28: Overwrites - Steel Design - AISC 360-10, Part 1 of 2	332
Table 28: Overwrites - Steel Design - AISC 360-10, Part 2 of 2	338
Table 28: Overwrites - Steel Design - AISC 360-10, Part 3 of 2	344
Table 28: Overwrites - Steel Design - AISC 360-10, Part 4 of 2	351
Table 28: Overwrites - Steel Design - AISC 360-10, Part 5 of 2	362
Table 28: Overwrites - Steel Design - AISC 360-10, Part 6 of 2	373
Table 28: Overwrites - Steel Design - AISC 360-10, Part 7 of 2	380
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2	386
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2	390

yyx

Page 3 of 393

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

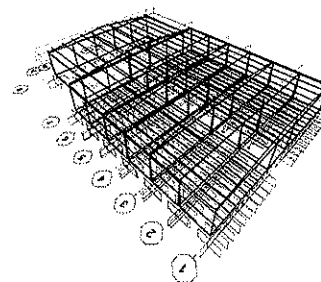


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	CoordType	ElemType	Global		Global Z
			X	Y	
1	GLOBAL	Cartesian	0.	0.076	0.
2	GLOBAL	Cartesian	0.	0.	2.55
3	GLOBAL	Cartesian	0.	2.324	0.
4	GLOBAL	Cartesian	0.	2.4	2.55
17	GLOBAL	Cartesian	6.	0.076	0.
18	GLOBAL	Cartesian	6.	0.	2.55
19	GLOBAL	Cartesian	6.	2.324	0.
20	GLOBAL	Cartesian	6.	2.4	2.55
29	GLOBAL	Cartesian	6.	14.552	0.
30	GLOBAL	Cartesian	6.	14.552	2.55
33	GLOBAL	Cartesian	8.4	0.076	0.
34	GLOBAL	Cartesian	8.4	0.	2.55
35	GLOBAL	Cartesian	8.4	2.324	0.

yyx

Page 4 of 393

SAP2000 Analysis Report

Prepared by
yyx

Model Name: Type B.sdb

25 É@ÔÀ 2018

Contents

1. Model geometry 4
 1.1. Joint coordinates 4
 1.2. Joint restraints 18
 1.3. Element connectivity 25
 2. Material properties 48
 3. Section properties 49
 3.1. Frames 49
 3.2. Solids 49
 4. Load patterns 61
 4.1. Definitions 61
 5. Load cases 61
 5.1. Definitions 61
 5.2. Static case load assignments 62
 5.3. Response spectrum case load assignments 62
 6. Load combinations 62
 7. Structure results 64
 7.1. Mass summary 64
 7.2. Base reactions 91
 8. Joint results 91
 9. Frame results 133
 10. Material take-off 496
 11. Design preferences 497
 11.1. Steel design 497
 11.2. Concrete design 497
 11.3. Aluminum design 498
 11.4. Cold formed design 498
 12. Design overwrites 498
 12.1. Steel design 498
 13. Design summary 585
 13.1. Steel design 585

List of Figures

Figure 1: Finite element model 4
 Figure 2: Deformed shape 64

List of Tables

Table 1: Joint Coordinates 4
 Table 2: Joint Restraint Assignments 18
 Table 3: Connectivity - Frame 25
 Table 4: Frame Section Assignments 36
 Table 5: Material Properties 02 - Basic Mechanical Properties 48
 Table 6: Material Properties 03a - Steel Data 48
 Table 7: Material Properties 03b - Concrete Data 48
 Table 8: Material Properties 03c - Cold Formed Data 48
 Table 9: Material Properties 03d - Tendon Data 49
 Table 10: Frame Section Properties 01 - General, Part 1 of 4 49
 Table 10: Frame Section Properties 01 - General, Part 2 of 4 49
 Table 10: Frame Section Properties 01 - General, Part 3 of 4 49

Table 10: Frame Section Properties 01 - General, Part 4 of 4 50
 Table 11: Frame Property Modifiers, Part 1 of 2 50
 Table 11: Frame Property Modifiers, Part 2 of 2 55
 Table 12: Solid Property Definitions 61
 Table 13: Load Pattern Definitions 61
 Table 14: Load Case Definitions, Part 1 of 2 62
 Table 14: Load Case Definitions, Part 2 of 2 62
 Table 15: Case - Static 1 - Load Assignments 62
 Table 16: Function - Response Spectrum - User 62
 Table 17: Combination Definitions 63
 Table 18: Assembled Joint Masses, Part 1 of 2 64
 Table 18: Assembled Joint Masses, Part 2 of 2 78
 Table 19: Base Reactions 91
 Table 20: Joint Displacements 91
 Table 21: Joint Reactions 118
 Table 22: Element Forces - Frames, Part 1 of 2 133
 Table 22: Element Forces - Frames, Part 2 of 2 315
 Table 23: Material List 2 - By Section Property 496
 Table 24: Preferences - Steel Design - AISC 360-10, Part 1 of 4 497
 Table 24: Preferences - Steel Design - AISC 360-10, Part 2 of 4 497
 Table 24: Preferences - Steel Design - AISC 360-10, Part 3 of 4 497
 Table 24: Preferences - Steel Design - AISC 360-10, Part 4 of 4 497
 Table 25: Preferences - Concrete Design - ACI 318-14, Part 1 of 2 497
 Table 25: Preferences - Concrete Design - ACI 318-14, Part 2 of 2 498
 Table 26: Preferences - Aluminum Design - AAASD 2900 499
 Table 27: Preferences - Cold Formed Design - AISI ASD66 498
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 1 of 7 498
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 2 of 7 508
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 3 of 7 518
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 4 of 7 528
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 5 of 7 546
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 6 of 7 565
 Table 28: Overwrites - Steel Design - AISC 360-10, Part 7 of 7 576
 Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2 585
 Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2 591

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

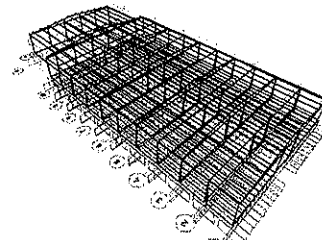


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX mm	GlobalY mm	GlobalZ mm
1	GLOBAL	Cartesian	0	78	0
2	GLOBAL	Cartesian	0	0	2550
3	GLOBAL	Cartesian	0	2324	0
4	GLOBAL	Cartesian	0	2400	2550
5	GLOBAL	Cartesian	0	7124	0
6	GLOBAL	Cartesian	0	7200	2550
7	GLOBAL	Cartesian	6000	7124	0
8	GLOBAL	Cartesian	6000	7200	2550
9	GLOBAL	Cartesian	8400	7124	0
10	GLOBAL	Cartesian	8400	7200	2550
11	GLOBAL	Cartesian	14400	7124	0
12	GLOBAL	Cartesian	14400	7200	2550
13	GLOBAL	Cartesian	7200	7124	0
14	GLOBAL	Cartesian	600	7124	0

SAP2000 Analysis Report

Prepared by
yyx

Model Name: Type C.sdb

25 ÉÈÒÀ 2018

Contents

1. Model geometry	4
1.1. Joint coordinates	4
1.2. Joint restraints	24
1.3. Element connectivity	33
2. Material properties	66
3. Section properties	67
3.1. Frames	67
3.2. Solids	83
4. Load patterns	84
4.1. Definitions	84
5. Load cases	84
5.1. Definitions	84
5.2. Static case load assignments	84
5.3. Response spectrum case load assignments	85
6. Load combinations	85
7. Structure results	86
7.1. Mass summary	86
7.2. Base reactions	125
8. Joint results	125
9. Frame results	125
10. Material take-off	183
11. Design preferences	710
11.1. Steel design	710
11.2. Concrete design	711
11.3. Aluminum design	711
11.4. Cold formed design	712
12. Design overwrites	712
12.1. Steel design	837
13. Design summary	837
13.1. Steel design	837

List of Figures

Figure 1: Finite element model	4
Figure 2: Deformed shape	86

List of Tables

Table 1: Joint Coordinates	4
Table 2: Joint Restraint Assignments	24
Table 3: Connectivity - Frame	33
Table 4: Frame Section Assignments	59
Table 5: Material Properties 02 - Basic Mechanical Properties	66
Table 6: Material Properties 03a - Steel Data	66
Table 7: Material Properties 03b - Concrete Data	66
Table 8: Material Properties 03d - Cold Formed Data	67
Table 9: Material Properties 03f - Tendon Data	67
Table 10: Frame Section Properties 01 - General, Part 1 of 4	67
Table 10: Frame Section Properties 01 - General, Part 2 of 4	67
Table 10: Frame Section Properties 01 - General, Part 3 of 4	67
Table 10: Frame Section Properties 01 - General, Part 4 of 4	68

yyx

Page 2 of 852

Table 10: Frame Section Properties 01 - General, Part 4 of 4	68
Table 11: Frame Property Modifiers, Part 1 of 2	68
Table 11: Frame Property Modifiers, Part 2 of 2	76
Table 12: Solid Property Definitions	83
Table 13: Load Pattern Definitions	84
Table 14: Load Case Definitions, Part 1 of 2	84
Table 14: Load Case Definitions, Part 2 of 2	84
Table 15: Case - Static 1 - Load Assignments	85
Table 16: Function - Response Spectrum - User	85
Table 17: Combination Definitions	85
Table 18: Assembled Joint Masses, Part 1 of 2	86
Table 18: Assembled Joint Masses, Part 2 of 2	106
Table 19: Base Reactions	125
Table 20: Joint Displacements	125
Table 21: Joint Reactions	164
Table 22: Element Forces - Frames, Part 1 of 2	183
Table 22: Element Forces - Frames, Part 2 of 2	447
Table 23: Material List 2 - By Section Property	710
Table 24: Preferences - Steel Design - AISC 360-10, Part 1 of 4	710
Table 24: Preferences - Steel Design - AISC 360-10, Part 2 of 4	710
Table 24: Preferences - Steel Design - AISC 360-10, Part 3 of 4	711
Table 24: Preferences - Steel Design - AISC 360-10, Part 4 of 4	711
Table 25: Preferences - Concrete Design - ACI 318-14, Part 1 of 2	711
Table 25: Preferences - Concrete Design - ACI 318-14, Part 2 of 2	711
Table 26: Preferences - Aluminum Design - AA-ASD 2000	711
Table 27: Preferences - Cold Formed Design - AISI-A508B	712
Table 28: Overwrites - Steel Design - AISC 360-10, Part 1 of 7	726
Table 28: Overwrites - Steel Design - AISC 360-10, Part 2 of 7	740
Table 28: Overwrites - Steel Design - AISC 360-10, Part 3 of 7	740
Table 28: Overwrites - Steel Design - AISC 360-10, Part 4 of 7	755
Table 28: Overwrites - Steel Design - AISC 360-10, Part 5 of 7	781
Table 28: Overwrites - Steel Design - AISC 360-10, Part 6 of 7	808
Table 28: Overwrites - Steel Design - AISC 360-10, Part 7 of 7	822
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2	837
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2	845

yyx

Page 3 of 852

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

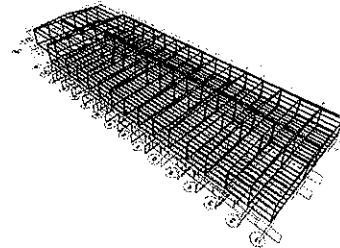


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	Table 1: Joint Coordinates		
			GlobalX mm	GlobalY mm	GlobalZ mm
1	GLOBAL	Cartesian	0.	76.	0.
2	GLOBAL	Cartesian	0.	0.	2550.
3	GLOBAL	Cartesian	0.	4724.	0.
4	GLOBAL	Cartesian	0.	4900.	2550.
5	GLOBAL	Cartesian	0.	19124.	0.
6	GLOBAL	Cartesian	0.	19200.	2550.
7	GLOBAL	Cartesian	6000.	19124.	0.
8	GLOBAL	Cartesian	6000.	19200.	2550.
9	GLOBAL	Cartesian	8400.	19124.	0.
10	GLOBAL	Cartesian	8400.	19200.	2550.
11	GLOBAL	Cartesian	14400.	19124.	0.
12	GLOBAL	Cartesian	14400.	19200.	2550.
13	GLOBAL	Cartesian	0.	14324.	0.
14	GLOBAL	Cartesian	0.	14400.	2550.
15	GLOBAL	Cartesian	6000.	14324.	0.

yyx

Page 4 of 852

Contents

1. Model geometry	4
1.1. Joint coordinates	4
1.2. Joint restraints	27
1.3. Element connectivity	39
2. Material properties	78
3. Section properties	78
3.1. Frames	78
3.2. Slabs	79
4. Load patterns	98
4.1. Definitions	98
5. Load cases	99
5.1. Definitions	99
5.2. Static case load assignments	99
5.3. Response spectrum case load assignments	99
6. Load combinations	100
7. Structure results	101
7.1. Mass summary	101
7.2. Base reactions	146
8. Joint results	146
9. Frame results	216
10. Material take-off	837
11. Design preferences	837
11.1. Steel design	837
11.2. Concrete design	838
11.3. Aluminum design	838
11.4. Cold formed design	839
12. Design overrides	839
12.1. Steel design	839
13. Design summary	930
13.1. Steel design	930

List of Figures

Figure 1: Finite element model	4
Figure 2: Deformed shape	101

List of Tables

Table 1: Joint Coordinates	4
Table 2: Joint Restraint Assignments	27
Table 3: Connectivity - Frame	39
Table 4: Frame Section Assignments	58
Table 5: Material Properties 02 - Basic Mechanical Properties	78
Table 6: Material Properties 03a - Steel Data	78
Table 7: Material Properties 03b - Concrete Data	78
Table 8: Material Properties 03d - Cold Formed Data	78
Table 9: Material Properties 03f - Tension Data	78
Table 10: Frame Section Properties 01 - General, Part 1 of 4	79
Table 10: Frame Section Properties 01 - General, Part 2 of 4	79
Table 10: Frame Section Properties 01 - General, Part 3 of 4	79

SAP2000 Analysis Report

Prepared by
yyx

Model Name: Type D.sdb

25 É©Å 2018

Table 10: Frame Section Properties 01 - General, Part 4 of 4	79
Table 11: Frame Property Modifiers, Part 1 of 2	80
Table 11: Frame Property Modifiers, Part 2 of 2	89
Table 12: Solid Property Definitions	98
Table 13: Load Pattern Definitions	98
Table 14: Load Case Definitions, Part 1 of 2	99
Table 14: Load Case Definitions, Part 2 of 2	99
Table 15: Case - Static 1 - Load Assignments	99
Table 16: Function - Response Spectrum - User	99
Table 17: Combination Definitions	100
Table 18: Assembled Joint Masses, Part 1 of 2	101
Table 18: Assembled Joint Masses, Part 2 of 2	124
Table 19: Base Reactions	146
Table 20: Joint Displacements	146
Table 21: Joint Reactions	192
Table 22: Element Forces - Frames, Part 1 of 2	216
Table 22: Element Forces - Frames, Part 2 of 2	526
Table 23: Material List 2 - By Section Property	837
Table 24: Preferences - Steel Design - AISC 360-10, Part 1 of 4	837
Table 24: Preferences - Steel Design - AISC 360-10, Part 2 of 4	838
Table 24: Preferences - Steel Design - AISC 360-10, Part 3 of 4	838
Table 24: Preferences - Steel Design - AISC 360-10, Part 4 of 4	838
Table 25: Preferences - Concrete Design - ACI 318-14, Part 1 of 2	838
Table 25: Preferences - Concrete Design - ACI 318-14, Part 2 of 2	838
Table 26: Preferences - Aluminum Design - AA-ASD 2003	838
Table 27: Preferences - Cold Formed Design - AISI-S1009	839
Table 28: Overrides - Steel Design - AISC 360-10, Part 1 of 7	856
Table 28: Overrides - Steel Design - AISC 360-10, Part 2 of 7	874
Table 28: Overrides - Steel Design - AISC 360-10, Part 3 of 7	891
Table 28: Overrides - Steel Design - AISC 360-10, Part 4 of 7	923
Table 28: Overrides - Steel Design - AISC 360-10, Part 5 of 7	923
Table 28: Overrides - Steel Design - AISC 360-10, Part 6 of 7	955
Table 28: Overrides - Steel Design - AISC 360-10, Part 7 of 7	973
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 1 of 2	931
Table 29: Steel Design 1 - Summary Data - AISC 360-10, Part 2 of 2	1000

1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

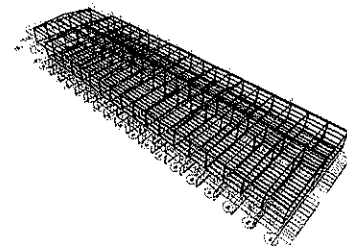


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Joint	Table 1: Joint Coordinates				
	CoordSys	CoordType	GlobalX mm	GlobalY mm	GlobalZ mm
1	GLOBAL	Cartesian	0	76	0
2	GLOBAL	Cartesian	0	0	2550
3	GLOBAL	Cartesian	0	2324	0
4	GLOBAL	Cartesian	0	2400	2550
5	GLOBAL	Cartesian	0	2624	0
6	GLOBAL	Cartesian	0	2640	2550
7	GLOBAL	Cartesian	8000	2624	0
8	GLOBAL	Cartesian	8000	2640	2550
9	GLOBAL	Cartesian	8400	2624	0
10	GLOBAL	Cartesian	8400	2640	2550
11	GLOBAL	Cartesian	14400	2624	0
12	GLOBAL	Cartesian	14400	2640	2550
17	GLOBAL	Cartesian	8000	76	0
18	GLOBAL	Cartesian	8000	0	2550
19	GLOBAL	Cartesian	9000	2324	0

打包箱

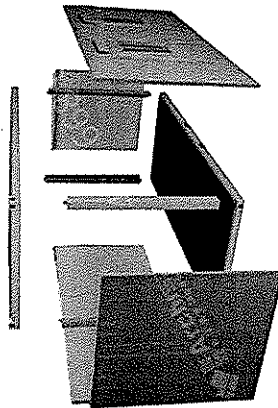
FLAT-PACK

产品介绍

PRODUCT INTRODUCTION

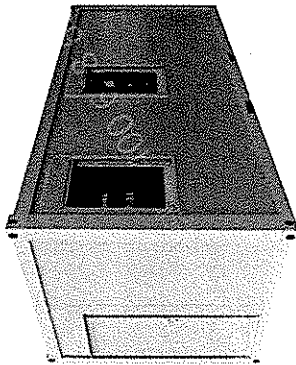
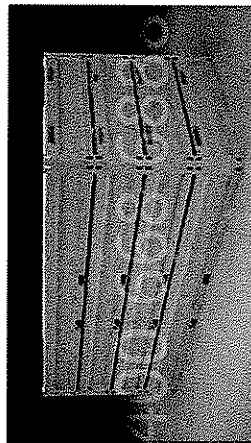
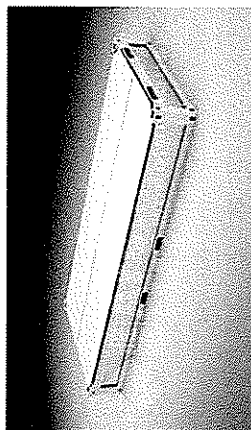
打包箱是一款基于钢框架和轻质墙板结构体系的模块化建筑产品。该产品由顶框、底框、角柱和 14 块可互换的墙板组成，可打包包装，便于陆地或海上运输。

Flat-Pack is a type of modular products designed by using the steel frame and light-weight wall panels system. One Flat-Pack consists of top frame, bottom frame, 4 posts and 14 pieces exchangeable wall panels. It can be flattened for easy transporting.



主体结构 Main Structure

1	顶框	Top frame
2	底框	Bottom frame
3	角柱: 4 根	Corner Posts: 4 posts
4	墙板: 14 块可互换墙板	14 pieces exchangeable wall panels
5	窗户	Windows
6	门	Doors
7	电路系统	Electrical system



产品特点

BENEFITS

组合灵活——可单独使用，可组合成敞开式大空间，并能叠加至 3 层。

FLEXIBLE COMBINATION - stand alone, or combined horizontally to create big open space, or stacked vertically up to 3 storeys.



配套齐全——可搭配不同造型的屋顶、走廊、雨棚、楼梯，另外有专门的卫浴箱、厨房箱可供选择，并可按需定制外观、内部进行装饰。

FULL-RANGE FACILITIES - different types of roof, corridor, canopy and staircase are available; plus specialized bathroom and kitchen containers to choose, can be decorated both inside and outside.



安装快速——平均 4 个工人 3 个小时可完成单箱安装，也可组装后整箱移动搬迁，方便快捷。

FAST ASSEMBLING - averagely 4 workers can erect 1 container within 3 hours. The container also can be assembled in factory and then transferred to the site.



安全可靠——使用寿命达 15 年以上，抗震烈度 8 度，抗风 11 级。

SAFE AND DURABLE - over 15-year lifetime, seismic resistance to 8 degree, wind resistance to 11 degree.

运输优势

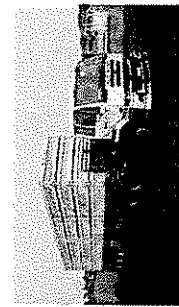
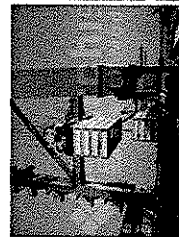
TRANSPORTATION ADVANTAGES

节省运费——可采用整箱扁平打包方式，每 4 套标准单元叠加等同 1 个标准 20 英尺集装箱尺寸，可节省 3/4 运费；亦可采用部件打包方式，1 个 40 英尺高柜可装运 6 套。

EASY TRANSPORTING - 4 units can be packed as a 20' shipping container, which can save 3/4 freight cost; and 6 units can be packed into a 40' high-cube shipping container.

方式灵活——综合考虑目的地距离、现场安装便捷程度，可选择整箱运输（卫浴箱推荐使用），扁平化打包运输或集装箱货柜运输。

FLEXIBLE TRANSPORT METHOD - different transport methods are available to be chosen from according to the distance to the destination and site installation conditions. Options are transported as a whole piece (recommended for bathroom containers), 4 units packed horizontally as one piece and 6 units packed vertically into a 40' high-cube shipping container.



技术参数

SPECIFICATION

名称 Item	内容 Details
外形尺寸 (长 X 宽 X 高) External Dimensions (L x W x H)	L658 x W2438 x H2800mm
设计年限 Designed Working Life	15 年 Years
屋面活载 Roof Live Load	1.0 kN/m ²
地面活载 Floor Live Load	2 kN/m ²
风荷载 Wind Load	0.65 kN/m ²
抗震烈度 Seismic	8 度 Degree
燃烧性能 Burning Behaviour	A 级 (不燃) Class A fire rating (Non-combustible)
保温性能 Thermal Insulation Properties	0.6 w/(m ² .K)

产品配置

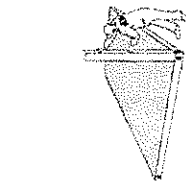
CONFIGURATION

名称 Item	内容 Details
底座 Base	框架: 彩钢冷成型镀锌连接 Frame: cold formed and completed welding 地垫: 水泥纤维板 + PVC 地板革 Floor: fiber cement board + PVC vinyl floor finishing 选配: 底框附加保温、叉车槽 Option: additional insulation and forklift
顶结构 Roof	框架: 钢制冷成型镀锌连接 Frame: cold formed and completed welding 屋顶: 镀锌彩钢压型面板 + 岩棉保温 + 彩钢夹芯板吊顶板 / 彩钢压型屋顶板 Roof: galvanized color-coated steel sheet + rock wool insulation + color-coated steel sandwich panel ceiling / profiled color steel ceiling sheet 选配: 顶梁附加保温 / 压型镀锌压型面板 Options: roof beams filled with insulation / profiled welding roof sheet
角柱 Corner Posts	折弯型材 Cold bending profiles 选配: 角柱附加保温 Option: corner post filled with insulation
墙板 Wall Panels	彩钢夹芯板 Color steel sandwich panels 彩钢岩棉板 Color steel sandwich panels 彩钢玻璃棉 / 岩棉 / 聚氨酯 Insulation material: EPS / glass wool / rock wool / PU
窗 Windows	推拉窗 / 内开内倒窗 Sliding window / Tilt window 选配: 纱窗、防盜杆、卷帘、防雨帘、卷帘、防雨帘 Options: fly screen, theft-proof bar, rolling blind
门 Doors	钢质门 / 铝合金门 Steel door / aluminum alloy door
电路系统 Electrical System	电路暗装, 可满足国际、欧标、澳标等认证要求 Electrical system concealed, match 3C / CE / AS
涂装 Paint	钢构镀锌处理 + 底漆 + 面漆 Galvanized treatment + base coat + finish coat

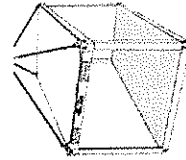
注: 上表为我国标准配置技术参数与配置, 可根据客户要求定制。
Note: the above are standard specification and configuration, in addition, we can be customized according to customer requirements.

单箱安装过程

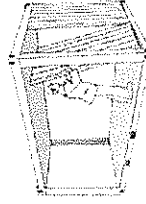
ASSEMBLING PROCESS OF SINGLE UNIT



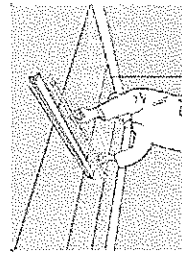
1. 安装底座及角柱
Installing the bottom frame and the corner posts.



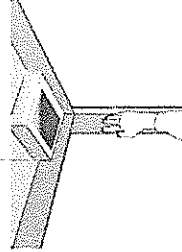
2. 吊装顶板
Lifting the top frame.



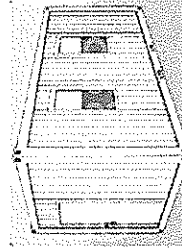
3. 安装墙板
Installing the wall panels.



4. 安装电路材料
Mounting the electrical fittings.



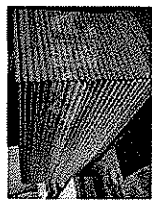
5. 安装装饰件
Installing internal decorating materials.



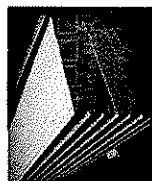
6. 完成
Finish.

可选材料

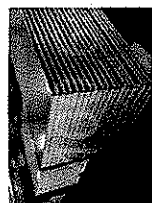
MATERIAL OPTIONS



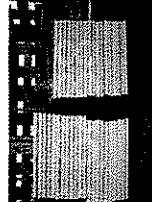
PU 彩钢夹芯板
PU color-coated sandwich panels



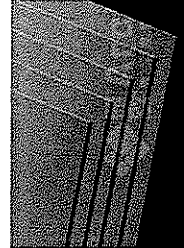
岩棉彩钢夹芯板
Rock wool color-coated sandwich panels



玻璃棉彩钢夹芯板
Glass wool color-coated sandwich panels



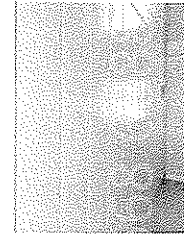
EPS 彩钢夹芯板
EPS color-coated sandwich panels



水泥纤维板
Fiber cement board

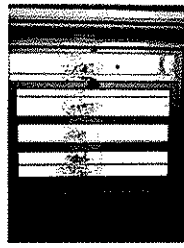


胶合板
Plywood



彩钢板吊顶板
Profiled color steel ceiling sheet

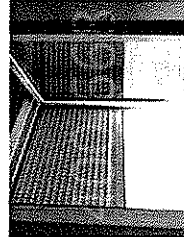
地板和吊顶 Floor & Ceiling



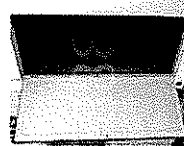
推拉窗
Sliding window



内开内倒窗
Inward tilt-turn window

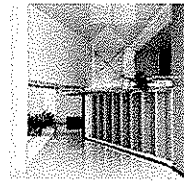


内开平开窗
Inward hinged window

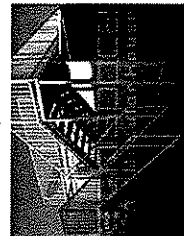


单开门
Hinged door

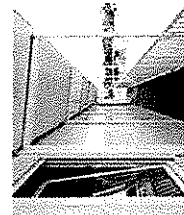
门窗 Door & Window



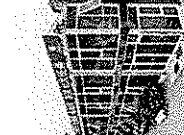
楼梯间
Stair container



折梯
Folding stairs



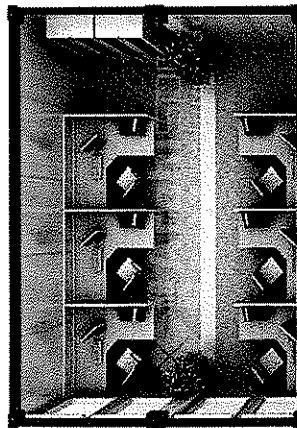
走廊
Corridor



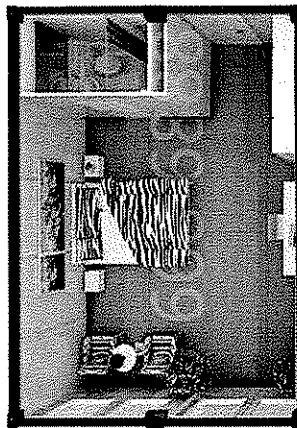
走廊柜
Corridor container

典型功能布局

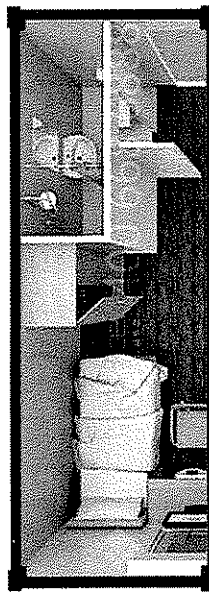
TYPICAL LAYOUTS



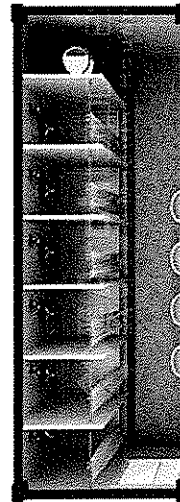
办公室
Office



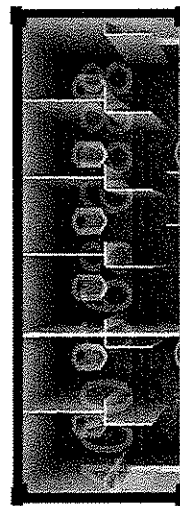
住宿
Accommodation



单人宿舍
Single Studio



浴室
Shower



卫生间
Toilet

典型功能应用

TYPICAL APPLICATIONS

打包箱产品可作为办公、住宿、餐厅、卫浴以及组合大空间使用，可满足建筑工地营地、野外作业营房、市政安置用房及各类商业用房的需求。目前广泛应用于欧洲、日本、中东、东南亚、非洲等地区。

Flat-Pack can be used as the office, accommodation, canteen, bathroom and other big open spaces, to meet the needs of construction site, fieldwork camp, social housing, disaster site and other commercial purposes. Flat-Pack is widely used in Europe, Japan, Middle East, Southeast Asia, Africa and other areas.



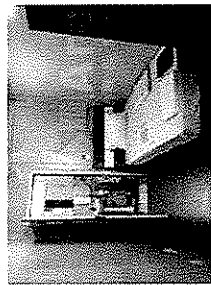
办公室
Office



娱乐室
Recreation Centre



集体宿舍
Dormitory



单人宿舍
Single Studio



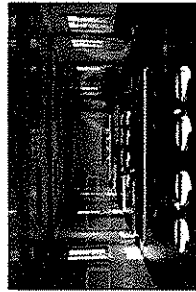
套间客厅
Suite Living Room



套间卧室
Suite Bedroom



洗衣房
Laundry

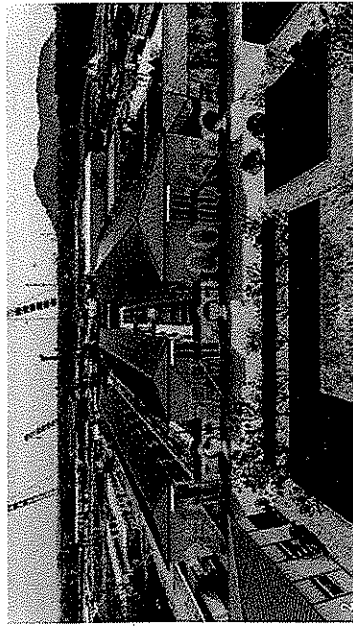
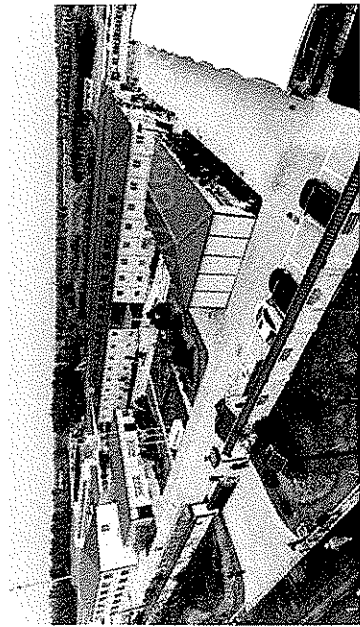
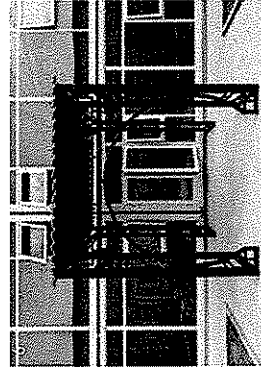
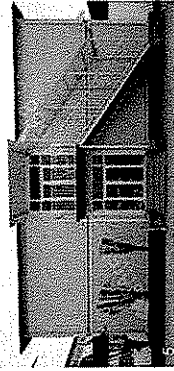
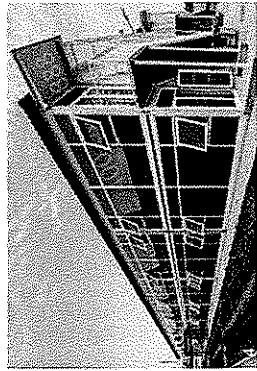
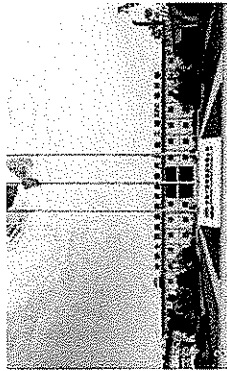
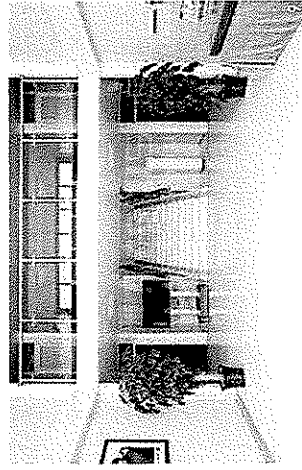
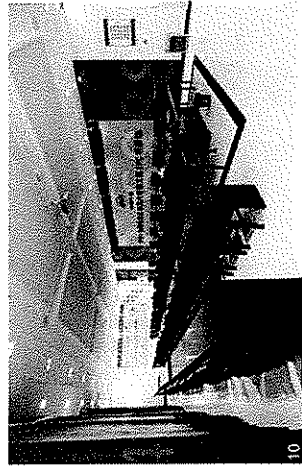
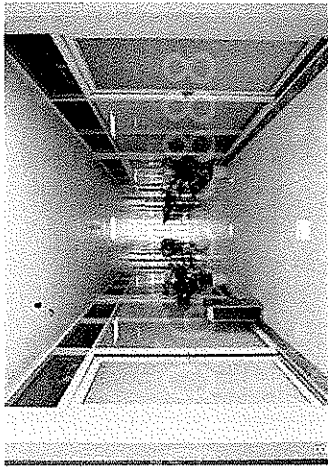


食堂
Canteen



厨房
Kitchen

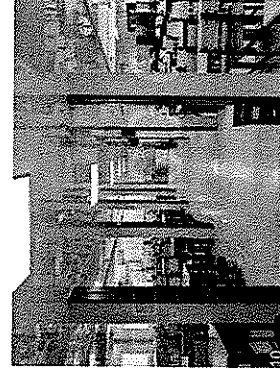
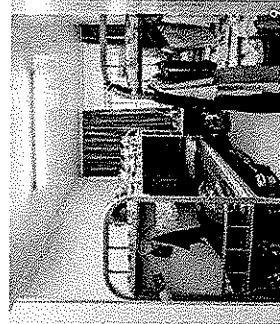
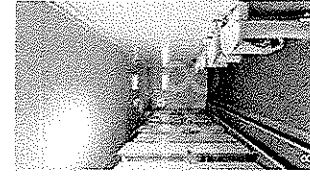
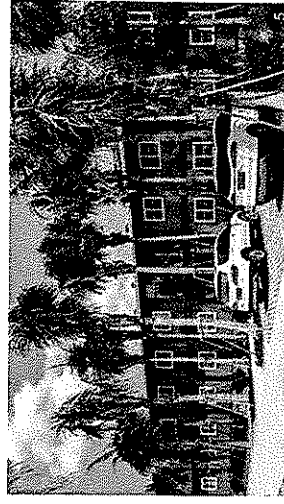
经典案例
PREVIOUS PROJECTS

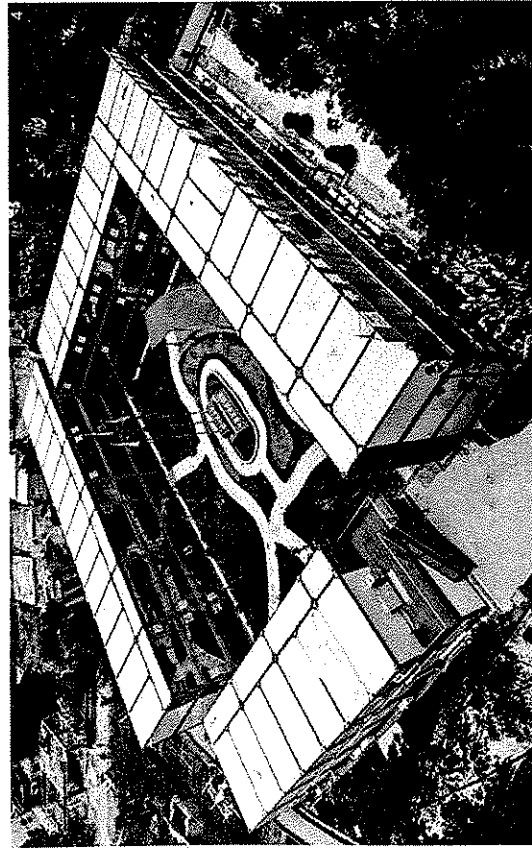
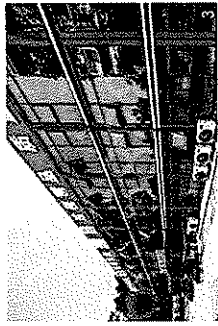


山东济南·中铁十四局济南黄河隧道工程EPC项目
China Railway 14th Construction Bureau Co., Ltd.
Jinan Yellow River Tunnel, Jinan, Shandong

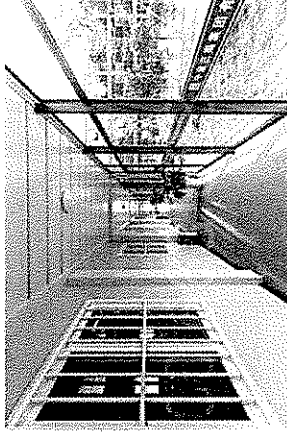
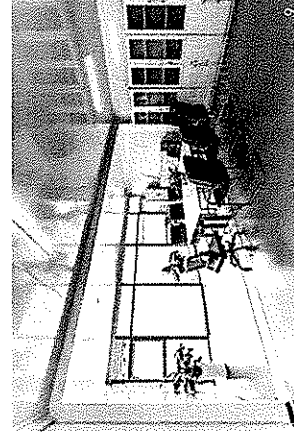
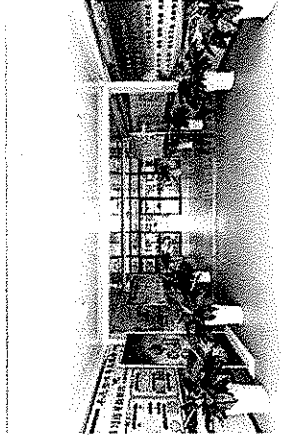


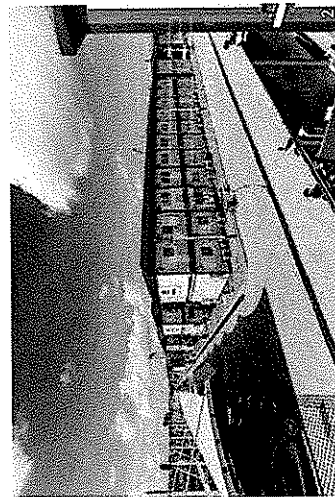
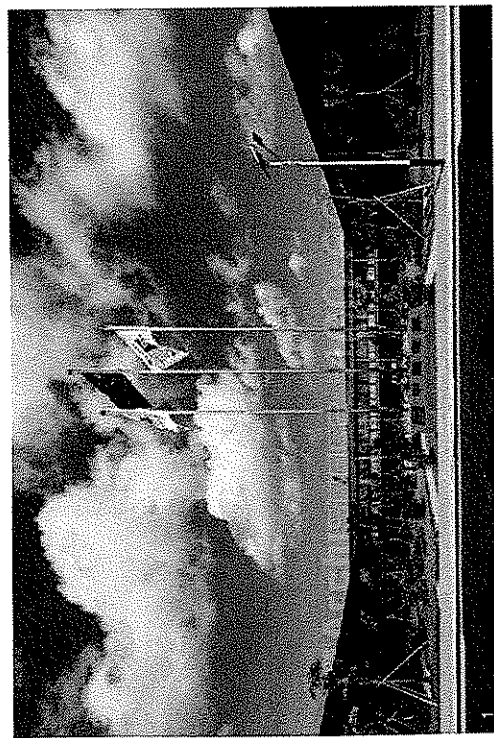
海南三亚·红色娘子军项目
Performance Campus Office &
Accommodation, Sanya, Hainan



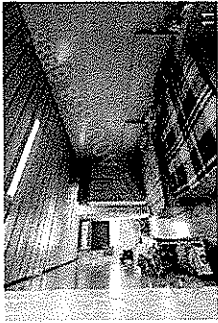
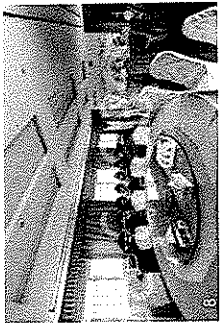
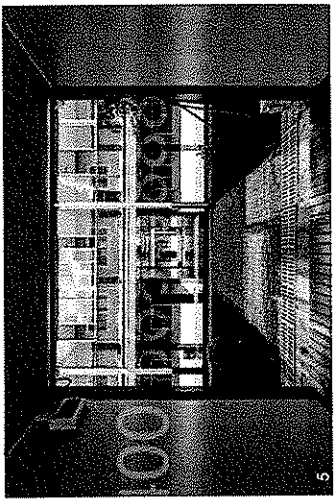
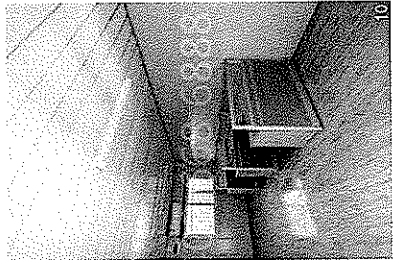
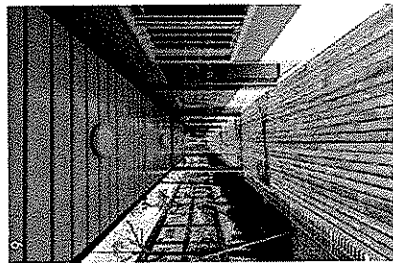
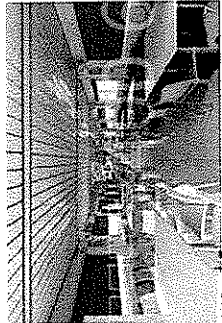
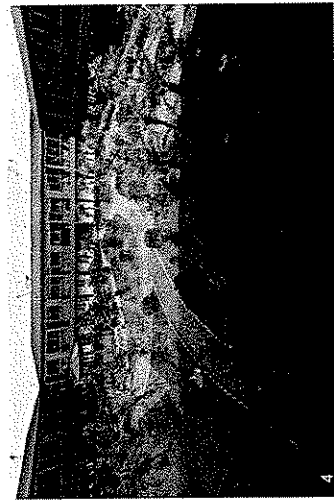


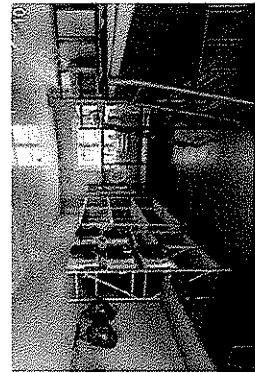
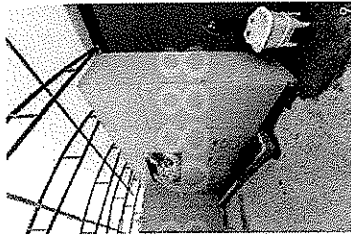
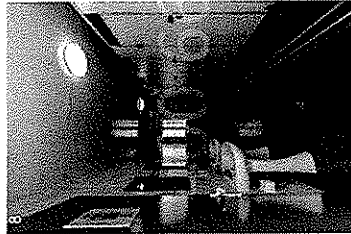
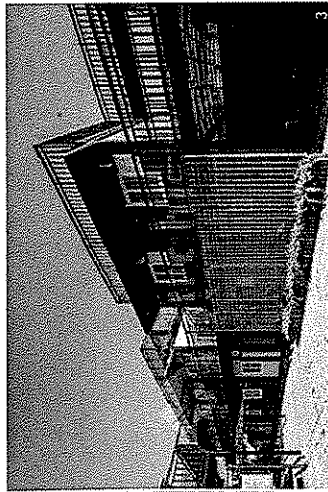
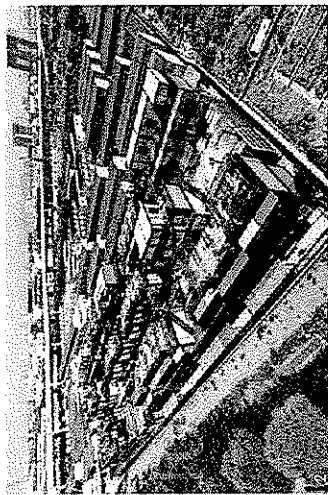
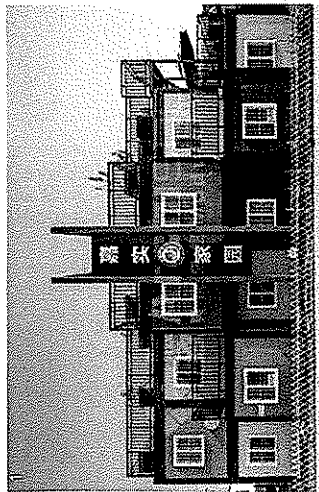
广东广州·南沙少年宫项目
Guangzhou Nansha Children' Palace, Guangdong



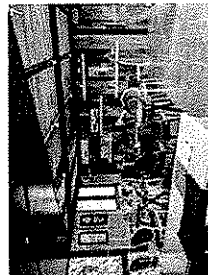
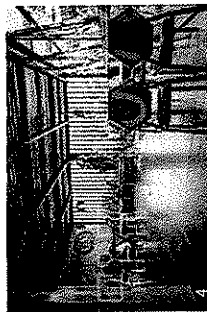
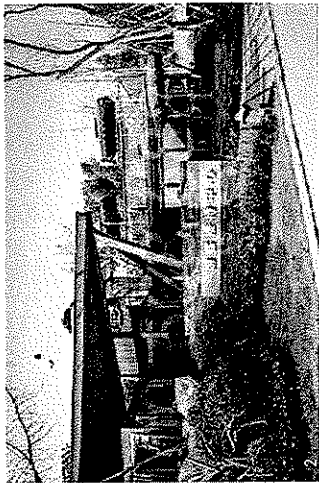


广东深圳·国际会展中心项目营地
International Convention & Exhibition Center, Shenzhen, Guangdong

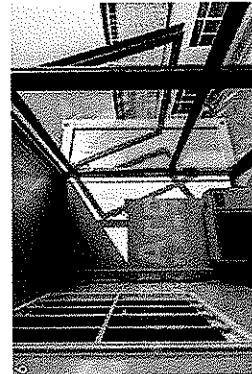
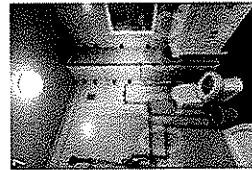
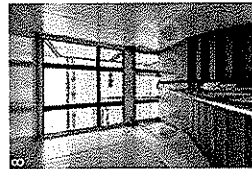
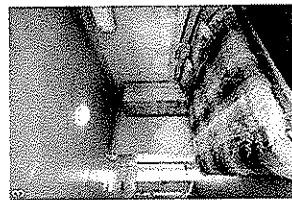
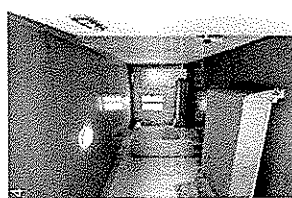
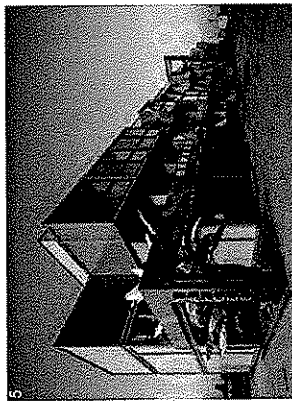
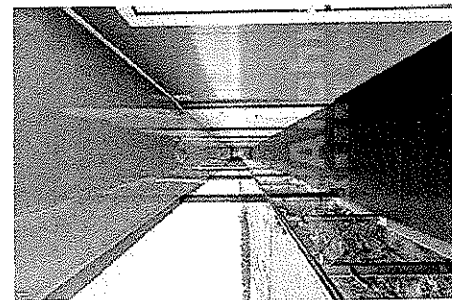
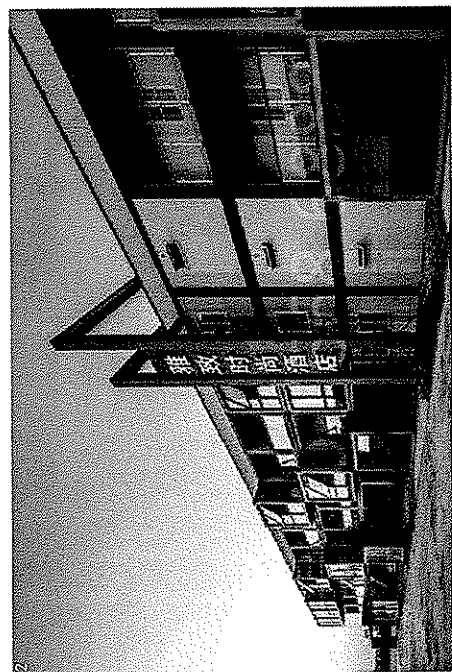




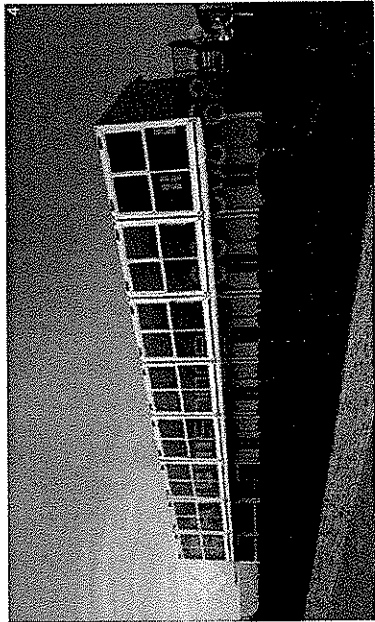
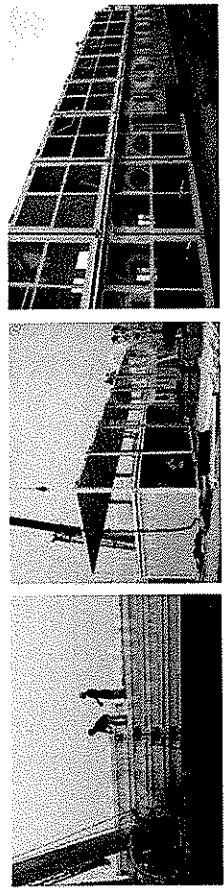
江苏苏州·嘉实家园散林小镇项目落地
Jaso Group City Green Village, Suzhou, Jiangsu



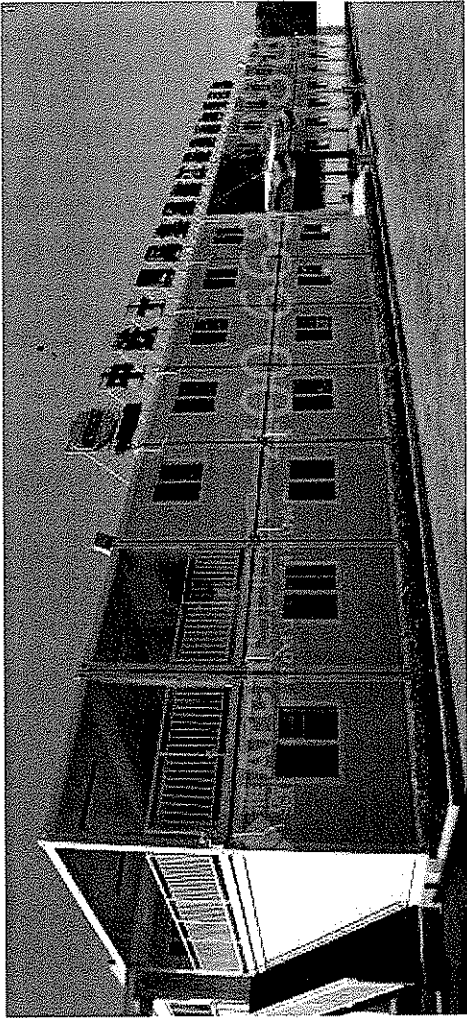
四川都江堰·拾光乐园
Theme Park, Dujiangyan, Sichuan



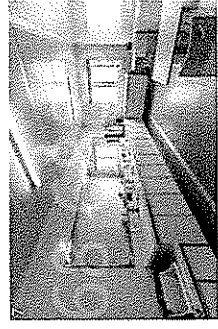
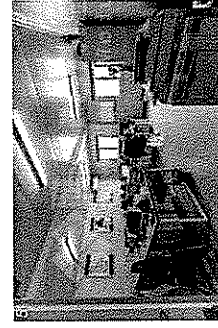
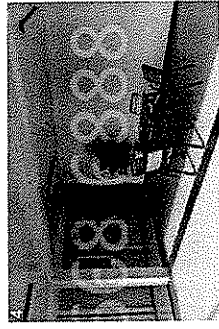
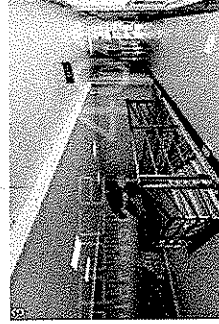
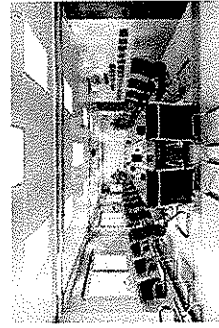
江苏常熟·雅致时尚酒店
Yahgee Hotel, Changshu, Jiangsu

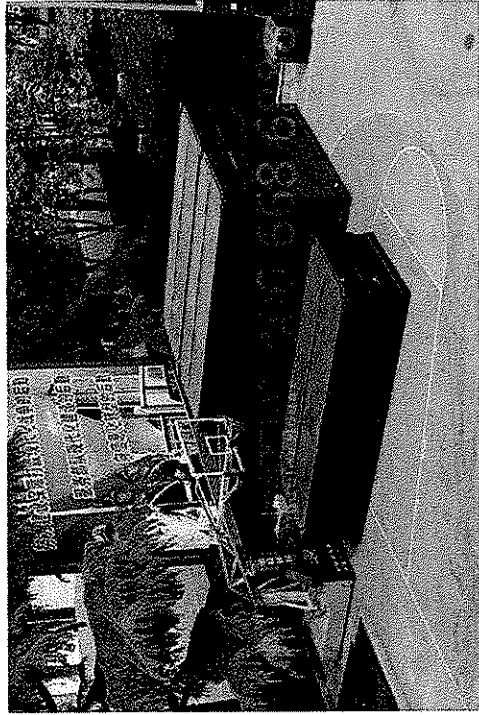
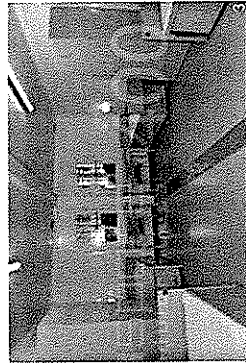
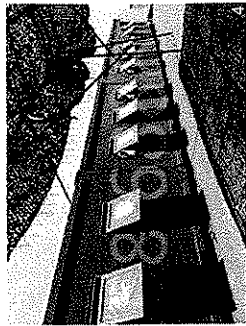
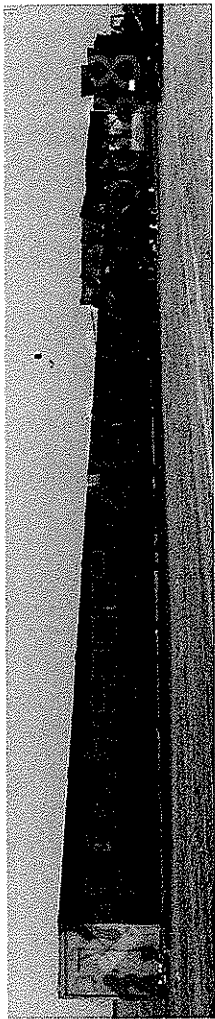


天津海关行政办公楼
Tianjin Customs Office Building

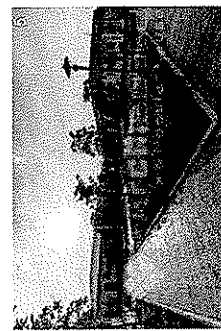
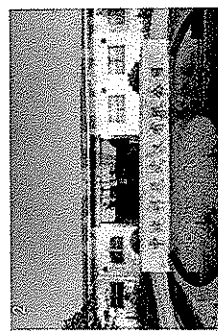
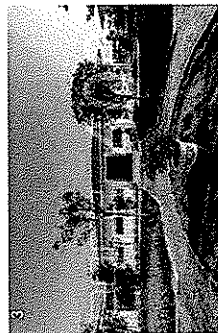
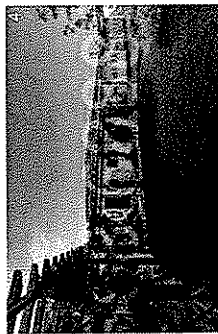
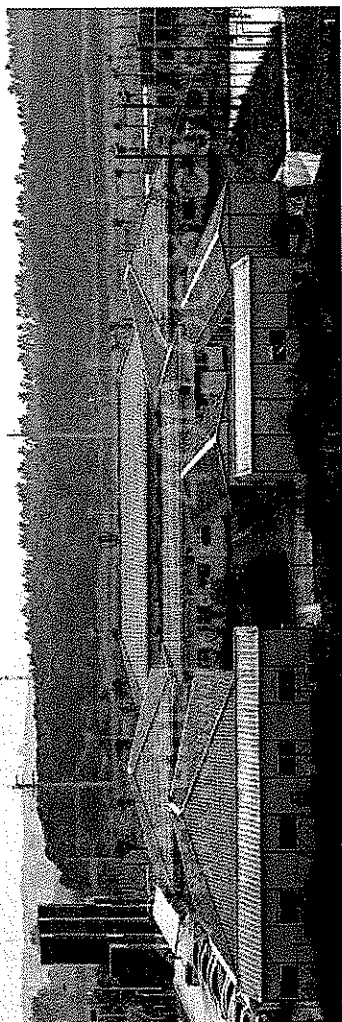


中铁十四局越江工程项目
China Railway 14th Construction Bureau Co., Ltd. Yuejiang Construction Site





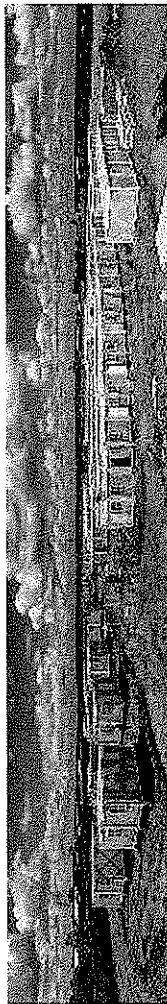
军队营地
Military Camp



湖北武汉·中建科技综合营地
CSCEC Construction Camp, Wuhan, Hubei

营地整体解决方案
TOTAL SOLUTION

肯尼亚营地项目 KENYA PROJECT



项目介绍 PROJECT BRIEF

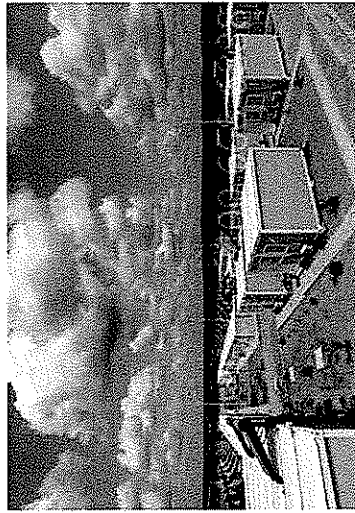
项目名称: 肯尼亚石油管道建设项目
 客户: 肯尼亚国家石油公司
 项目地点: 肯尼亚蒙巴萨
 项目描述: 雅致与肯尼亚国家石油公司合作, 承接从内罗毕到蒙巴萨的石油管道建设的整体营地解决方案。项目一期需安置 400 个工人, 从沟通到规划到设计, 再到制造到运输到现场安装。雅致为 400 个工人提供了办公、住宿、餐厅、卫浴等用房, 包括配套的家私电器, 并为营地提供了外部管道设施、电路设施等基础设施建设。
 数量: 247 个打包箱
 使用人数: 400 人
 完成时间: 2015 年

工程周期 PROJECT LIFECYCLE

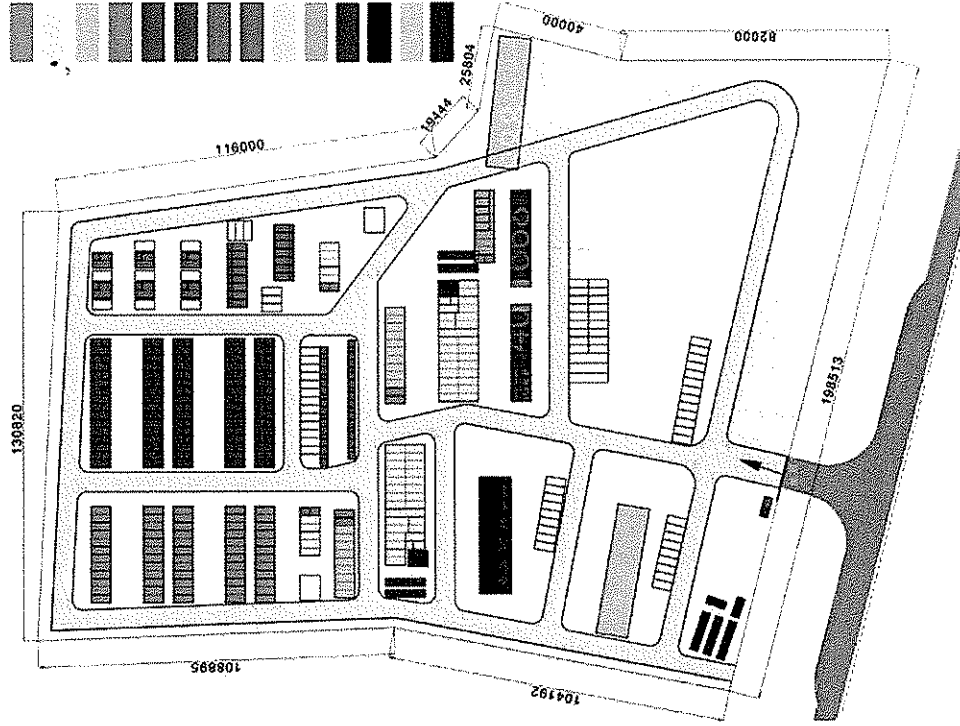
设计 20 天
 生产 30 天
 运输 30 天
 安装 45 天



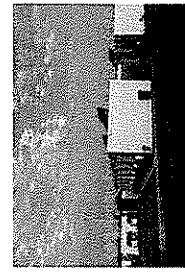
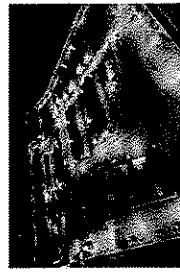
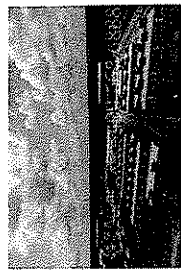
现场工人 LABOUR ON SITE



- 集体宿舍 Labour Accommodation
- 洗衣房 Laundry
- 娱乐室 Recreation Centre
- 公共厕所 Public Toilet
- 两单间一卫带淋浴 Triple Room with Shared Bath
- 三人间带淋浴 Triple Room with Bath
- 单间带淋浴 Independent Living
- 单间宿舍 Manager Accommodation
- 食堂 Canteen
- 医务室 Infirmary Room
- 办公室 Office
- 商店 Store
- 工作间 Workshop
- 设备用房 Equipment Room



平面布局图
Floor plan

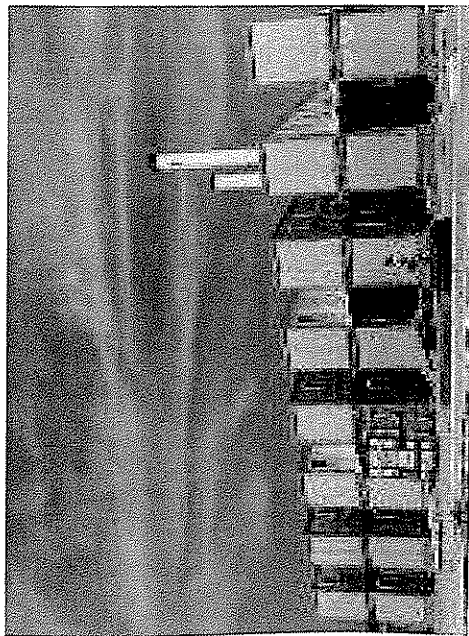


Project Name: Kenya Petroleum Pipeline Construction Site
 Client: National Oil Corporation of Kenya
 Project Location: Mombasa, Kenya
 Description: Yahgee cooperated with the National Oil Corporation of Kenya to provide the total solution of the construction site for pipeline from Nairobi to Mombasa to occupy 400 workers as Stage 1, including the office, accommodation, canteen and etc. with furniture and electronic fittings by using the Flat-Pack containers, and also the infrastructure on site. Yahgee was in charge of every process from communicating to planning, to designing, then to producing, transporting and assembling on site.

Volume: 247 Flat-Pack containers
 No. of People Occupy: 400
 Completion: 2015

日本福岛重建项目

JAPAN FUKUSHIMA PROJECT



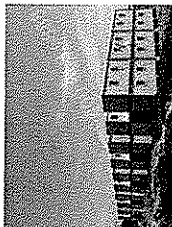
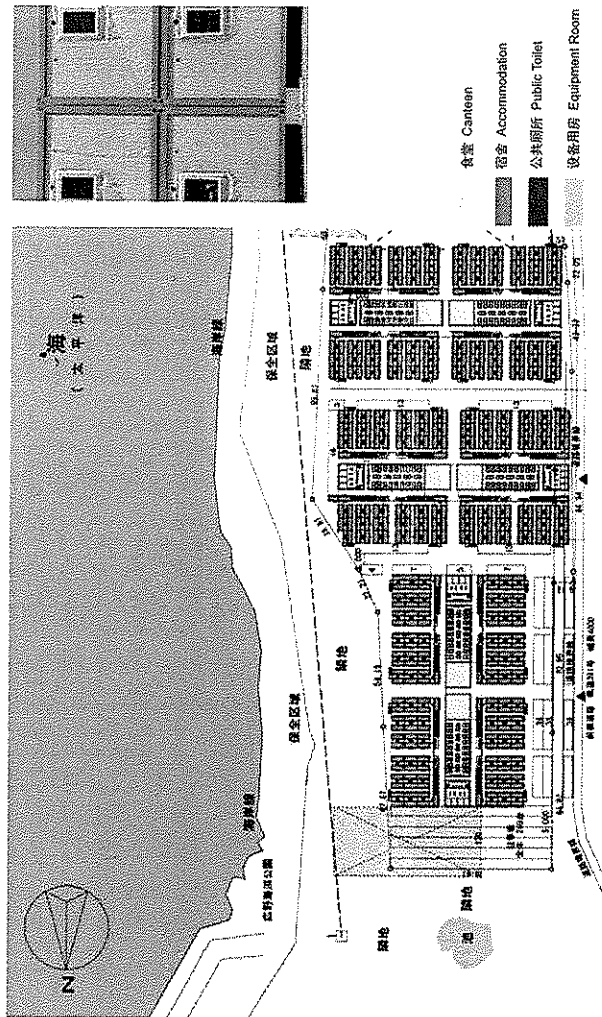
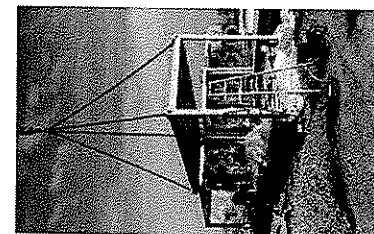
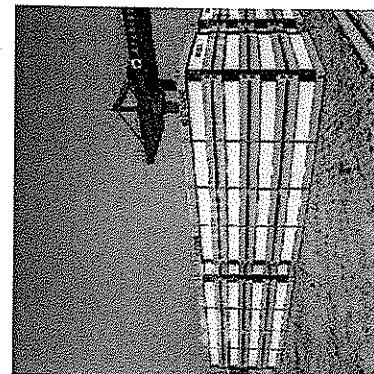
项目介绍 PROJECT BRIEF

项目名称: 日本福岛重建项目
 客户: 日本川崎商事
 项目地点: 日本福岛
 项目描述: 和川崎商事合作, 为日本灾后重建项目提供临时用房, 项目总共分四期, 第一期 300 人, 包括现场工人住宿, 厨房餐厅、卫生间、淋浴间等配套设施。由于项目比较紧急, 经过雅緻全体员工努力, 项目在短短 40 天内保质保量地顺利完成交货, 并受到日方代表的高度认可, 日方代表也特地为此项目做了专题片。
 数量: 210 个打包箱
 使用人数: 300 人
 完成时间: 2014 年

Project Name: Japan Fukushima Disaster Site
 Client: Kawasaki Trading Co., Ltd.
 Project Location: Fukushima, Japan

Description: Since after the earthquake in Fukushima, Kawasaki has approached Yahgee to quickly establish the temporary housing for workers who were to help to rebuild the destroyed site. This project is divided into 4 stages and the first stage is to occupy 300 workers by providing them the accommodation, canteen, toilets, showers and other facilities. Due to the emergent situation, Yahgee branch has put a great effort to deliver their high quality products within 40 days, and this effort was highly recognized by the Japanese clients. A special documentary video was made by the Japanese representatives to show their appreciation.

Volume: 210 Flat-Pack containers
 No. of People Occupy: 300
 Completion: 2014

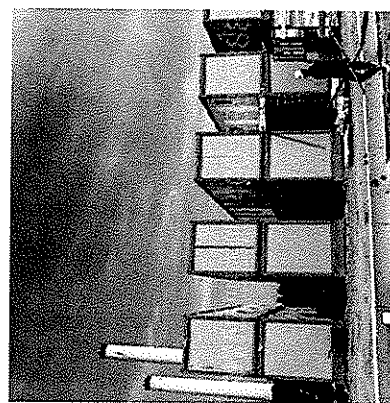


工程周期 PROJECT LIFECYCLE

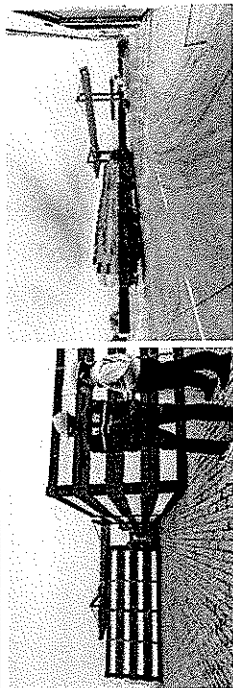
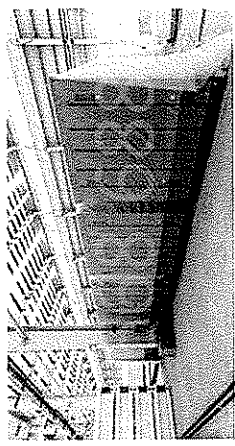
设计 5 天
 生产 30 天
 运输 7 天
 安装 30 天
 (不包括水电、电气及 plumbing 系统安装)



现场工人 LABOUR ON SITE



雅致厂房
OUR FACTORY



我们为您量身定做符合您需求的产品

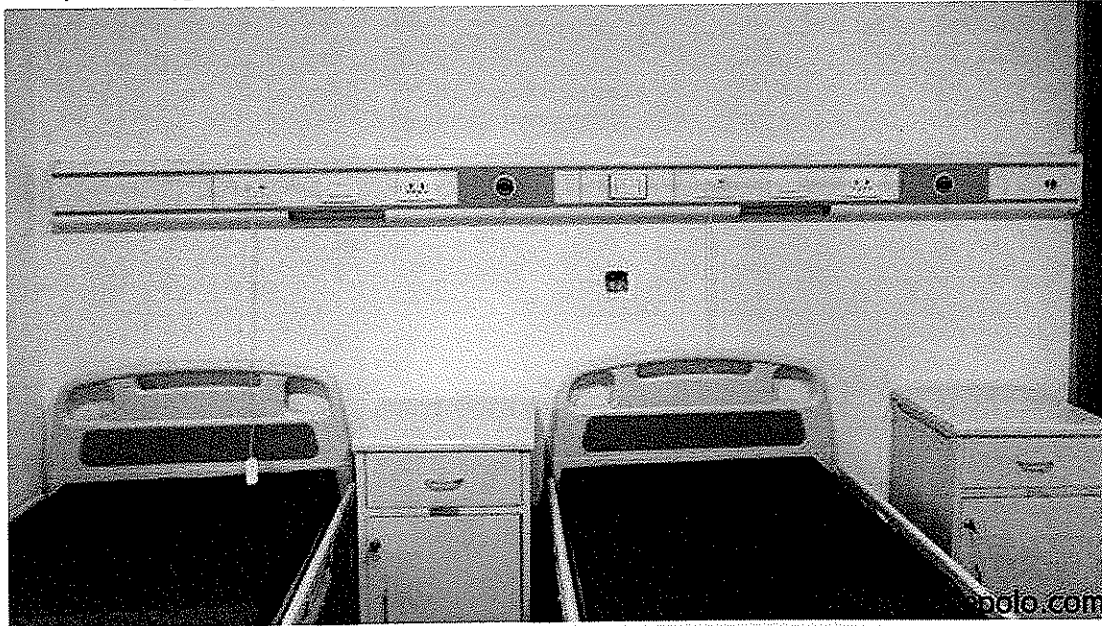
WE DESIGN TO SUIT,
MAKE TO MEASURE
TO MEET YOUR PARTICULAR REQUIREMENTS.

No.6, Jialong Road, High-tech Industrial Development
Zone, Changshu, Jiangsu Province, P.R. China
江苏省常熟高新技术产业开发区久隆路6号

T: +86-512-52971918
M: +86-18351768380
W: www.ccsarchspace.com
www.yajigehou.com

Remarks for the tender.

1. The medical buildings produce a large amount of garbage, and the garbage is not transported out at any time. Therefore, it is necessary to set up storage points for domestic garbage and medical waste, and the domestic garbage and medical waste need to be stored separately.
2. Medical building ward, rescue room and intensive care unit need to set up oxygen and negative pressure suction, so it is necessary to design oxygen manifold room and negative pressure suction equipment room.
3. The bedside of the ward needs to be equipped with a medical belt, which includes call system, oxygen, negative pressure suction, strong and weak current points.



4. The medical materials of medical buildings need to be stored in the warehouse, so the internal clean area (Doctor Area) needs to be set up with a cleaning warehouse. The patient ward area produces all kinds of garbage, so it is necessary to set up a cleaning room and a temporary storage room for dirt.
5. At present, the corridor door in the drawing is 1500 door, and the ward door is only about 900. In order to meet the demand of pushing bed, the net width of ward door should not be less than 1100.