REQUEST FOR PROPOSAL FOR GRATING REPAIRS FOR CRANE 1 AND 2

Issuance Date October 23, 2026

Deadline for Submission of Questions/Requests for Clarification:

Submit all questions and requests for clarification in writing to:
procurement@portfreeport.com

no later than 10:00 a.m. CST on December 1, 2026

Si necesita una copia de este RFP en español, envíe una solicitud por escrito a procurement@portfreeport.com

REVISION 2
10/16/2026

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OVERVIEW

Purpose

Port Freeport invites qualified contractors to submit proposals for repair and/or replacement of walkway and stairway platforms and supports on its two original ZPMC ship-to-shore container cranes, Crane No. 1 and Crane No. 2, working at elevated heights. The two newer, larger cranes are excluded. Proposals will be evaluated using the criteria in this RFP.

Qualified contractors shall submit a technical approach, crane work plan, repair and replacement scope, cleaning and coating procedures, fabrication inspection and testing plan, quality assurance plan, warranty information, and completed Exhibit E pricing form. Where Option A and Option B are listed, both shall be priced.

Project Scope

The project includes repair and/or replacement of the walkway and stairway platforms and supports, and associated components identified by crane in the Drawing Index in Section 3.2.11 and Exhibit C. The technical requirements below govern this scope.

The scope of this project includes the following:

TECHNICAL REQUIREMENTS

General

- See Project Drawings for locations / additional details of technical requirements. Refer to Exhibit C. Reference ZPMC as-built drawings are listed in Exhibit D.
- The Contractor's work shall be coordinated around the Cranes' operational and vessel schedules, and Crane and vessel operations shall not be impacted. All Work shall be accomplished around active Crane operations; the Contractor shall not require or rely upon any period of Crane downtime to complete the Work. Work shall be completed on first (1st) crane to be repaired before starting on second (2nd) crane. Owner shall provide the Contractor with the typical days and times of Crane operations each week to facilitate scheduling and shall notify the Contractor promptly of any changes. The work must be coordinated daily to avoid conflicts. Vessel operating days are to be confirmed with Owner at the time of mobilization.
- The Contractor and Owner shall agree to the size and location of the Contractor's "Erection/Laydown" area. All existing parts of the Cranes to be removed as part of this contract shall be delivered to the "Erection/Laydown" area and disposed of at the discretion of Owner.
- The Contractor shall be fully responsible for safety and safe practices within this work scope and area of repair. Each worker working from heights outside of identified safe areas shall use a certified fall arrest harness and be trained to use such harness. All safety harnesses shall be pre-inspected each day and deemed free of any fraying surfaces, damaged D-rings, or any other flaws.
- The Contractor's Supervisor shall identify fall arrest anchor points that comply with current OSHA regulations. Each worker using a fall arrest harness shall be tied off to two different pre-approved anchor points. No worker shall have both fall arrest lines tied off to the same anchor point at the same time.
- The Supervisor shall verify that proper lifting tackle is selected for each lift and that all lifting tackle is properly rated and certified for its intended use.
- The Supervisor shall lead daily safety meetings prior to the start of any work that day. The meeting agenda shall outline any known hazards associated with that day's work activities and how to mitigate those risks.
- Weather condition limits such as maximum wind speed for lifts and working at heights and lightning proximities shall be planned and followed.
- Hot work is anticipated for this scope. The Contractor shall obtain all required hot-work permits from Owner and shall maintain fire-watch coverage in accordance with NFPA 51B and Owner's site procedures. Welding curtains and spark containment shall be provided as needed to protect personnel, equipment, and adjacent painted surfaces.
- The Contractor shall protect existing grating panels, handrails, toe boards, electrical conduit, cable trays, lighting, and any other adjacent components from damage during removal, hot work, surface preparation, and coating operations. Any item damaged by Contractor's operations shall be repaired or replaced in kind at no additional cost to Owner.

General Outline of Work for Cranes

- The following description of Work is general only and does not necessarily include all items required to accomplish the complete repair of the Cranes. The items listed below are not intended to be listed in sequential order. All material, unless noted otherwise, is to be furnished by Contractor. It is the Contractor's responsibility to verify all information before commencing work, including final quantities and lengths of replacement Walkway Platform Framing and Stairway Support Arm sections. All design, detail and shop drawings and calculations necessary to complete the repair of the Cranes are the responsibility of the Contractor and are to be furnished to Owner for review.

- The Contractor shall safely secure the damaged area for access to employees, the Owner, and the Owner's Engineer. After the Contractor has completed details to provide safe access, the Contractor and the Owner's Engineer shall confirm actual final quantities needed to replace in kind the corroded Walkway and Stairway Platform Framing members, Support Arm members, and grating clamp (FIXING) assemblies. Quantities listed on project drawings in Exhibit C and on the Pricing Sheet are for bid only; final quantities shall be confirmed by joint field survey prior to material procurement.
- Scope of Repair for Walkway Platforms
    - The Work consists of like-in-kind replacement of corroded walkway grating clamp (FIXING) assemblies; repair in place of the immediately-affected Walkway Platform Framing members (primary corrosion zone, as defined in §1.1) by cutting out corroded sections and welding in replacement pieces, with full-member replacement only where in-place repair is not feasible; and replacement of Support Arm members (secondary corrosion zone, as defined in §1.1) that are determined by the joint field survey to be not repairable, by installing a new adjacent Support Arm member per §3.2.7(g). Repair of Support Arm members determined to be repairable is not included in this Contract. If repair work is deemed possible in lieu of replacement, the scope addition/deletion shall be approved by Owner or Owner's Engineer. The Work further includes removal and reinstallation of existing grating panels as required to access framing and support arm members. The existing grating panels are to be reused; damaged panels found during the work are to be reported to Owner and replaced as a Change Order item.
- Cranes and Phasing

- The Work covers two (2) cranes, Crane No. 1 and Crane No. 2 (identified in this Agreement as "the Cranes"). The two newer and larger cranes recently added to the Port Freeport fleet are excluded from this scope.
- The Scope of Work for Crane No. 1 and Crane No. 2 is defined in the Drawing Index with Repair and/or Replacement Options for Cranes No. 1 and No. 2 in Section. Marked-up drawings identifying the affected areas are provided in Exhibit C.
- The Pricing Sheet (Exhibit E) shall be used by Owner to specify final unit quantities for each phase. Unit prices are bid in advance; quantities are confirmed by joint field survey prior to each phase.
    - Removal of Existing Grating Clamp (FIXING) Assemblies
- Remove existing FIXING clamp assembly per ZPMC as-built drawing J361A-GD01(22). Each assembly consists of one hook (J361A-GD0102D), one saddle plate (J361A-GYB-22(Q)), one M8 hex bolt, and one locked washer (J361A-LERDP). Removed clamp assemblies are scrap and shall not be reinstalled.
- Catalog each removed assembly with its location identifier, condition of EPDM rubber coating, and any observable corrosion on adjacent steel. Submit the catalog to Owner's Engineer with the daily progress report.
- Care shall be taken during clamp removal to avoid damage to the grating panel above and to any adjacent structural members not within this scope.
- After removal of the FIXING clamp assemblies, remove the grating panel(s) over the affected framing member(s). Label each panel with its original location identifier before removal and store panels in the Contractor's Erection/Laydown area for reinstallation. See §6.1.3 for grating protection and reuse requirements. The air-conditioning unit(s) and mounting frame(s) on the platform shall not be disturbed; the Contractor shall coordinate with Owner prior to removing any framing member adjacent to an A/C mounting frame to determine whether temporary support or protection of the A/C unit is required.
    - Removal of Corroded Walkway Platform Framing Sections
- After clamp removal, mark and cut out the corroded section of the affected Walkway Platform Framing member. The cut shall be made back to sound parent material plus a minimum of 50 mm (2 in.) margin on each side. The Contractor's Project Engineer and the Owner's Engineer shall jointly confirm cut limits in the field before any cut is made. Splice (cut) locations shall be subject to Owner's Engineer approval; splice welds are subject to the NDT requirements of §5.1.2.2.

- Cutting may be by mechanical (saw / shear) or thermal means as approved by Owner. All thermal cutting shall be done under hot-work permit.
- Removed sections shall be tagged with their location identifier and placed in the agreed-upon Erection/Laydown area for Owner review and disposition.
- The Contractor shall protect remaining (in-place) coating on adjacent steel from spatter, heat damage, and contamination during cutting.
- After grating removal, the Contractor and Owner's Engineer shall jointly inspect all exposed Support Arm members for corrosion damage. Support Arm members determined by the Owner's Engineer to be not repairable shall be marked for replacement by a new adjacent Support Arm member per §3.2.7(g), followed by removal of the existing member per §3.2.7(h). Repair of repairable Support Arm members is not within the scope of this Contract. The results of this inspection shall be documented and used to confirm the final quantity of Support Arm replacements per §3.2.2.
    - Fabrication and Installation of Replacement Walkway Platform Framing and Support Arm Members and Stairway Support Arm Members
- Replacement sections shall match the original section profile and dimensions as shown on the applicable ZPMC as-built drawing for that location. Material shall be Q235 carbon steel or engineer-approved equivalent (ASTM A36 acceptable). Support Arms for Stairway and Platforms for Walkways are noted and shown in the Drawing Index. The Contractor shall confirm sizes of existing structural plating to replicate the arms for replacement.
- Sourcing of replacement material is the Contractor's responsibility. Substitutions for the listed Q235 (ASTM A36 equivalent) sections shall be submitted to Owner's Engineer for review and approval prior to fabrication.
- All welds shall be continuous fillet welds with a leg dimension not less than 0.7 times the thickness of the thinner plate, per the ZPMC as-built drawing notes. Welding shall comply with AWS D1.1. Welding consumables shall be low in hydrogen, matched to Q235 / A36 base metal.
- Welds on the surface of the framing member that contacts the grating shall be ground flat per the ZPMC as-built drawing note ("the surface of platforms contacting grating should be flat, welds of the contacting surface should be grinded to be flat"). All burrs, sharp edges, and weld spatter shall be removed prior to coating.
- Exposed steel edges on new fabrication shall be rounded to a minimum 1–2 mm radius to facilitate coating build-up.
- Fit-up tolerance to existing structure: ±2 mm on the line of the existing flange or web. The replacement member shall not introduce any forced fit or residual stress on adjacent in-place members.
- Where a Support Arm member is determined to be not repairable per §3.2.6(e), a new Support Arm member shall be installed adjacent to the existing member. The new member shall match the original Support Arm section profile and the original connection detail shown on the applicable ZPMC as-built drawing. The adjacent (slightly offset) location for the new member shall be determined in the field and shall be verified and approved by the Owner's Engineer prior to installation; the location shall be sound base metal and clear of interferences. Any condition preventing a like-in-kind attachment shall be reported to the Owner's Engineer. Coating of the new member shall be per §3.2.8.
- After the new adjacent Support Arm member has been installed and accepted, the existing (non-repairable) Support Arm member shall be removed and disposed of in accordance with §3.1.3. Removal and disposal shall be included in the applicable repair/replacement line item on Exhibit E; detailed removal procedures shall be submitted for Engineer review before removal.
    - Coating of New Fabrication
- Replacement members may be fabricated and coated in the Contractor's shop and welded into place in the field. Coating at field-welded connections shall be completed after welding per §3.2.8(d). The adjacent transition zone of existing coating shall be surface-prepared and coated.
- The surface of the new Walkway Platform Framing member that will contact the EPDM-coated hook (i.e., the underside of the grating bearing surface and the back face of the channel flange) shall be fully coated with the full specified coating system (primer + intermediate + topcoat) before clamp installation. No bare or primer-only steel shall be left exposed at the clamp contact.

- Adjacent existing coating shall be feathered per SSPC-SP3 (Power Tool Cleaning) at the transition zone to provide a sound substrate for the new coating overlap. Overlap shall be a minimum of 50 mm onto sound existing coating on all sides.
- After field welding, the weld zones and any coating damaged by welding heat shall be surface-prepared and coated to the full specified system per §4.6 and §4.5, with the new coating feathered and overlapped onto sound adjacent coating per §3.2.8(c).
    - Installation of New Grating Clamp (FIXING) Assemblies
- Reinstall grating panel(s) on the repaired framing member in the original orientation. Verify grating sits flat with no rocking before clamping.
- Install new FIXING clamp assembly per ZPMC as-built drawing J361A-GD01(22). Each assembly shall consist of: one EPDM-coated hot-dip galvanized carbon steel hook (J361A-GD0102D geometry and H-sizes) of the correct H-size for the beam depth; one hot-dip galvanized carbon steel saddle plate (J361A-GYB-22(Q) geometry); one hot-dip galvanized carbon steel M8×70 hex bolt (Grade 8.8); one hot-dip galvanized carbon steel locked washer (J361A-LERDP geometry). All galvanizing shall be hot dip per ASTM A153 or ISO 1461. Drawing references above are for component geometry and H-sizing only; material is as specified herein, superseding the ZPMC drawing material callout of 316 stainless steel. Areas of galvanizing damaged during installation shall be repaired with cold galvanizing compound per ASTM A780. Galvanized FIXING hardware shall not be field painted.
- The bolt head shall be installed facing outboard of the platform, consistent with the OEM convention shown on the toe board connection drawing J361A-DJBLJ.
- Each hook shall be visually inspected immediately before installation. Hooks with cracked, unbonded, missing, or otherwise damaged EPDM rubber coating shall be rejected and not installed. EPDM coating shall comply with the ZPMC drawing performance requirements: operating range −50 °C to +100 °C, aging-, corrosion-, and tear-resistant, firmly bonded to the steel substrate. In addition, the condition of the hot-dip galvanized coating on all exposed (non-EPDM) surfaces of the hook shall be verified; hooks with bare steel exposed due to galvanizing damage shall be rejected.
- Bolt tightening: torque is not stated on the ZPMC as-built drawings for the M8 grating clamp bolt. Contractor shall propose a fastener torque value for Owner's Engineer review prior to first installation. As a starting point, the Owner suggests a starting-point target value in the range of 15 – 20 N·m for M8 Grade 8.8 hot-dip galvanized hardware, as-galvanized (without additional lubrication), applied uniformly. The torque selected shall be sufficient to seat the saddle plate flat on the grating without distorting the bearing bar.
- After installation, verify the saddle plate is seated flat on the grating, the hook is fully engaged on the underside of the framing member flange, and the grating panel has no rocking. Document on the per-unit turnover record per next section.
    - Inspection, Documentation, and Monitoring
- Each repaired framing member or support arm unit shall be photographed at three stages: (i) corroded, before removal; (ii) after cut-out and surface prep, before coating; and (iii) completed, after clamp installation and grating reinstallation.
- A unique location identifier shall be assigned to each unit and recorded on a turnover sheet that includes install date, install crew, material lot numbers, weld inspector, DFT readings, and final torque value. The turnover sheets shall be submitted to Owner's Engineer at the end of each phase.
- Owner anticipates establishing a periodic walk-through inspection program post-repair, driven by the ZPMC drawing-stated 5-year minimum service life of the EPDM rubber isolator on the hooks. Inspection-program development is by Owner and is outside the Contractor's scope; however, the Contractor shall provide the as-built location-ID list and the per-unit turnover records described above to enable that program.
    - Drawing Index with Repair/Replacement Options for Walkway/Stairway Support — Cranes No. 1 and No. 2
- The scopes for Crane No. 1 and Crane No. 2 will be similar unless the Contractor is notified otherwise by Owner. The marked-up drawings referenced below are provided in Exhibit C.

- Where a scope item permits repair in place or total replacement, the option to be performed shall be determined by joint field inspection of the Contractor and Owner's Engineer, and any resulting scope addition/deletion shall be approved by Owner or Owner's Engineer.
- Drawing Index:

Drawing / Exhibit C Sheet	Crane No. 1 — Scope and Repair/Replacement Option	Crane No. 2 — Scope and Repair/Replacement Option
J361A5001 Frame Stairs and Platform (Exhibit C, Sheet AB 143)	a) Operator Cab Access — replace vertical support channels. b) Lower Walkway Platform — repair in place. c) Stairway Supports — Item 24 (6 each), Item 25 (1 each), Item 26 (3 each) and Item 27 (1 each): repair in place or replace totally. Drawing mark-up supports to be evaluated to determine repairs required; angle iron welded on supports attached to the elevator personnel cage to be replaced, and thresholds at doors replaced.	Same as Crane No. 1.
J361A500300 Platforms of Boom (Exhibit C, Sheet AB 145)	a) From hinge area to first boom hoist sheave beam — repair in place or replace entire walkway platform.	No scope.
J361A5005 Platform of Girder (Exhibit C, Sheet AB 147)	a) Inspect and evaluate platform at right-hand side of back reach girder from machinery house to landside leg for repair or replacement. Inspect, repair in place or replace.	No scope.
J361A5006 Platform of Machinery House (Exhibit C, Sheet AB 148) **J361A-GD01(22)** Fixing Assembly **J361A-GD0102D** — Hook (Exhibit C)	a) Machinery house interior hatch sliding apparatus and support system to be inspected, repaired in place, or sliding apparatus replaced totally for proper opening/closing. Drawing mark-up: hoist hatch cover to be removed, wheels inspected, and angle iron inspected/replaced as needed for smooth operation of hatch. b) Waterside walkway platform and supports repaired in place or totally replaced. Drawing mark-up: total replacement of marked section.	a) Interior sliding covers — same as Crane No. 1. b) Exterior walkway platform and support at north side of machinery house platform to be inspected and repaired in place or replaced.
J361A3001 (1/2) and (2/2) Machinery House Structure (Exhibit C, Sheets AB 128 and AB 129)	a) Replace corner covers from floor to ceiling on all four (4) corners. Drawing mark-up: outside corners rotted at top and bottom, all sides.	Same as Crane No. 1.
J361A3004 Ventilation Fan (Exhaust) (Exhibit C, Sheet AB 132)	a) Replace waterside flanges and expanded metal.	Same as Crane No. 1.

CLEANING AND COATING

General

All metallic surfaces of the repair of the Cranes shall be painted except nameplates, marine corrosion resistant stainless steel, nickel and wearing or internal surfaces of mechanical parts. As used herein, "exposed surfaces," means surfaces exposed to the atmosphere.

The intent of this Section is to provide a repair coating system compatible with the existing coating on the Cranes and matches its color and appearance. The Contractor shall verify the existing topcoat color, gloss, and finish in the field prior to procurement of topcoat material and shall submit color match documentation for Owner's Engineer review.

Surface Preparation

Any dirt, oil, grease or chemical contamination shall be removed by solvent washing or other suitable means before the start of shot blasting.

The steel surfaces shall be cleaned per SSPC to Grade SP10 (Near-White Blast Cleaning).

Prior to shot blasting all welds shall be given special attention for removal of welding flux in crevices. Welding spatter, slivers, laminations and underlying mill scale not removed during fabrication and exposed before and during the blast cleaning operation shall be removed by the best mechanical means. All exposed edges of steel shall be rounded (minimum radius of 1 – 2 mm) to assure proper adhesion and build-up of coatings.

The compressed air supply used for shot blasting shall be free of detrimental amounts of water and oil.

Only bone-dry shot blasting grit or mineral shot procedures will be allowed. Blasting grit shall be steel grit, silica sand, aluminum silicate or similar sharp edged abrasive of good quality.

Shot blasting will not be permitted when surfaces are less than 3 °C above dew point or the relative humidity is greater than eighty-five percent (85%), provided it is in accordance with the coating supplier's application requirements. The only exception to this will be for rough initial shot blasting which will be allowed during the night, provided the surfaces are cleaned and brightened the next morning with fresh light shot blasting to provide a "commercial" blasted metal surface.

At in-situ repair locations where full abrasive blasting is impractical, mechanical surface preparation to SSPC-SP11 (Power Tool Cleaning to Bare Metal) is acceptable for the contact-zone surface preparation only, with engineer approval. Adjacent existing coating shall be feathered to SSPC-SP3 at the transition.

Coating Application

All coating materials shall be furnished in unopened, clearly identifiable containers. No mixing of different coatings shall be done without the express permission of the Owner's Representative.

All coats shall be applied in accordance with the paint manufacturer's recommendations and only lead-free paint shall be used.

The surfaces shall be clean, free from dust, and shall be dry before and during applications of any coating.

No coating shall be applied if the relative humidity is greater than eighty percent (80%) unless the paint manufacturer allows application at levels up to eighty-five percent (85%), if the temperature is below 5 °C, or in conditions outside the paint manufacturer's recommendations.

Coating film thickness limits shall be strictly adhered to. The film thickness shall be checked with a micro test or other approved calibrated film thickness gauges. Prior to application of any coat of material, all damage to previous coats shall be thoroughly cleaned and touched up with corresponding specified coating. Damage to finish coatings shall be reprimed by the Contractor.

Owner may make destructive tests of coatings on reasonably small areas to ensure adherence of the coating. Cost of the repair of such areas shall be borne by the Contractor.

The Contractor shall provide step by step procedures for all cleaning and coating conditions to all painters and quality control personnel.

Spray Application

All paint shall be spray applied, except where it is inaccessible to spray and permission has been granted to use brush application. Airless applications are acceptable. Coating materials, colors and minimum dry film thickness shall be in accordance with the Coating System described in this section.

Application equipment and procedures shall fully comply with the coating supplier's application requirements.

Aliphatic polyurethane topcoats have specific recoat-window and inter-coat-cleanliness requirements. The Contractor shall comply strictly with the topcoat manufacturer's data sheet and shall submit the manufacturer's application procedure for Owner's Engineer review prior to first application.

Coating System

The coating system used shall be provided with a full five (5) year warranty by the Contractor with responsibility as defined below. The system shall follow ISO 12944 standards for a CX-H corrosivity category and shall be generally as described in the table below. The Contractor shall confirm with the paint supplier that the coating system meets the paint supplier's requirements to be warranted for the full five years, and that confirmation shall be submitted to Owner for review.

Exterior Surfaces — Repair Coating System

Coat	Product	Color	Min. DFT (Mils)	Min. DFT (Microns)
Shop Primer (Weldable)	Pre-Construction Primer	—	1.0	25
First Coat	Suitable Inorganic Zinc Primer or Organic Zinc Rich Primer (epoxy zinc rich) see Note 4	Green	3.0 – 4.0	75 – 100
Second Coat	Suitable High-Build Epoxy — see Note 5	Contrasting Color	4.0 – 6.0	100 – 150
Third Coat (Topcoat)	Suitable Aliphatic Polyurethane — color to match existing; see Note 3	Match existing	3.0 – 4.0	75 – 100
Total (incl. shop primer)			**11.0 – 15.0**	**275 – 375**

Notes:

1. DFT values are given as minimums. The Contractor shall not exceed the paint manufacturer's recommended maximum dry film thickness for any coat. Painting applications shall be controlled accordingly.
2. Prior to painting, the surfaces shall be blasted to SSPC-SP10 finish, except where SP11 has been pre-approved for in-situ repair.
3. Color and gloss shall match the existing RAL5010 (Gentian Blue) exterior coating on the Cranes. A field color match sample shall be submitted to Owner's Engineer prior to procurement of topcoat material.
4. Where inorganic zinc primer cannot be used due to site humidity conditions, a minimum 5 mils (125 microns) dry film thickness of an Owner-approved epoxy mastic may be substituted for the first coat, subject to Owner's Engineer approval.
5. The second coat shall be applied after all welding on that member has been completed. For members shop-coated prior to field welding, coating at field-weld connections shall be completed after welding per §3.2.8(d) and §4.6. Surfaces shall be cleaned to remove contaminants and moisture not more than 72 hours prior to second coat application. Any damage to the first coat shall be repaired before the second coat is applied.

Repair of Damaged Coating

- If the coating system is damaged during the Work, the affected coating shall be repaired to the coating system, with surface preparation, and as otherwise recommended by the paint supplier. Repaired areas shall be feathered into sound adjacent coating, and the topcoat color and gloss shall be matched to the existing coating.
- Where the Contractor demonstrates, and the Owner's Engineer approves, that surface preparation by abrasive blasting is not practical at a repair location, the in-situ preparation shall apply (SSPC-SP11 for the repair area, feathered to SSPC-SP3 at the transition). Where the specified zinc-rich first coat cannot be applied under those conditions, the Owner-approved epoxy mastic substitute shall be used in lieu of the first coat, followed by the high-build epoxy and aliphatic polyurethane topcoat.

SITE WORK

Fabrication, Inspections and Tests

Structural Materials

- All structural materials are to be visually inspected for any apparent defects. Sizing of these materials is to be inspected as required.
- All critical structural fasteners are to be visually inspected upon receipt. In addition to visual inspection, the Contractor shall be required to test fastener systems to verify their mechanical properties as specified under "Testing Methods".
- All welding electrode and flux container labels are to be inspected to verify compliance with the Specifications.

- Structural Fabrication
  - Structural members are to be inspected throughout fabrication. As the fabrication of individual members is completed, the Contractor shall conduct a final inspection, before releasing that member to be painted. This inspection shall include visual inspection and non-destructive testing (NDT).
  - All full penetration welds in primary structural members subject to tension or stress reversal are to be tested by ultrasonic testing (UT) or radiographic testing (x-ray). Ten percent (10%) of all fillet welds in primary structural members shall be tested using NDT methods, "Non-Destructive Testing". Records of both the final visual inspection and non-destructive testing are to be submitted to the Owner's Engineer for review.
  - If any critical structural fastener systems are permanently installed during fabrication, torque values shall be checked. Records of this testing shall be required by the Owner's Engineer for review.
- Painting Materials
  - The Contractor's Inspector shall verify that all paint complies with the Specifications upon receipt from the manufacturer.
- Paint Application
  - All blasted surfaces are to be visually inspected prior to coating applications.
  - Each coat of a paint system shall be visually inspected to verify application in accordance with the Painting Section.
  - Dry film thickness readings shall be taken for each coat of a paint system. These readings shall be taken every two square meters. Ten percent (10%) of all readings shall be taken on surfaces not easily accessible such as inside stiffener angles. Records of these readings shall be required by the Owner's Engineer. These records shall indicate the crane number, member, type of paint, and color.
  - All painted surfaces are to be inspected prior to shipping. If any damaged coatings are found, they shall be repaired prior to shipping.
- Grating Clamp (FIXING) Assemblies
  - Each EPDM-coated hook shall be visually inspected by the Contractor's Inspector immediately prior to installation. Hooks with cracked, unbonded, missing, abraded-through, or otherwise damaged EPDM coating shall be rejected and not installed. The hot-dip galvanized coating on all exposed (non-EPDM) surfaces shall also be verified; any hook exhibiting bare steel at the galvanizing shall be rejected and not installed.
  - Records of bolt torque on each installed clamp assembly shall be maintained and submitted to Owner's Engineer with the per-unit turnover record.

QUALITY ASSURANCE

Protection of Existing Structures

The repair work required shall be performed by the Contractor in such a manner so as not to damage any existing structures that are to remain or be reused. Any damage thereto by the Contractor's operation shall be repaired or replaced by the Contractor at no cost to Owner.

All existing Crane members damaged due to the work shall be repaired to Owner's satisfaction. All damaged coating systems shall be repaired as specified.

The existing grating panels are to be reused. The Contractor shall protect grating panels during removal, storage, and reinstallation. Any panel damaged by Contractor operations shall be replaced in kind at no additional cost to Owner. Any panel found to be unfit for reuse on inspection prior to clamp removal shall be reported to Owner; replacement is a Change Order item.

Final Inspection and Punch List

Upon successful completion of the repair work, an inspection shall be conducted by the Owner's Engineer. This inspection shall identify remaining work, missing parts, and defects. The Contractor's Inspector is to accompany the Owner's Engineer during this inspection.

A punch list will be compiled by the Owner's Engineer indicating items found during the inspection. This list will be distributed to both Owner and the Contractor. Final acceptance will not be considered until all items noted in the punch list have been supplied or corrected to Owner's satisfaction. The Contractor's Inspector shall verify corrections of all punch list items before requesting the Owner's Engineer for a subsequent inspection.

Warranty

- Warranty Period

  The Contractor warrants that the Work on the Cranes and each component of the Cranes will be free from all defects in materials, equipment, workmanship, for a period of five years from the Substantial Completion Date for structures, mechanisms and components that are installed or modified by the Contractor. The warranty period for any electrical equipment installed or supplied by the Contractor will be for two (2) years from the date installed, unless the manufacturer's warranty is for a longer period, in which case the manufacturer's warranty shall apply. In the case of any replacement during the warranty period, the applicable warranty period will commence anew on the date of such replacement for that replacement item or items.

- Warranty Execution

  If any part of a Crane repaired by the Contractor appears to be defective in manufacture, materials, equipment, fabrication, or workmanship within the period of warranty, Port Freeport will immediately notify the Contractor in writing of the alleged defect or failure. Within two days of such notification, the Contractor will take substantial, positive steps to promptly correct such defect or failure at the Delivery Site without cost to Port Freeport. No allowance will be made for any repairs or replacements made by Port Freeport, or others, unless and until Port Freeport has given the Contractor notice of the alleged defect or failure prior to the commencement of such repairs or replacements. However, if the defect interferes with Port Freeport's operation and use of a Crane, Port Freeport may, after notification, proceed forth with repairing the same at the expense of the Contractor by sending Contractor an invoice after completion of work.

The Contractor shall provide the appropriate equipment to work at heights, man-lift (185’ JLG or equivalent), 150 T crane, etc. Contractor shall itemize subcontracted equipment on submitted bid.

Port Freeport will complete electrical disconnection and connection. Questions shall be directed at Port Freeport’s Crane Maintenance Manager.

The selected Contractor shall be responsible for furnishing all required details in scope as the project is considered turnkey.

BACKGROUND AND DESCRIPTION

Port Freeport is the most operationally efficient port on the West Gulf Coast, offering excellent access to key Texas markets. We focus on seamless logistics and strong partnerships to help businesses thrive. As we near our milestone anniversary in 2025, we are building on our experience to provide even more value and opportunities for our community and industry partners.

Our growth is a result of collaboration and a vision for the potential of the port. We offer facilities that accommodate the needs of a variety of cargo types. We continue to invest in the port. We have built new docks and acquired additional cranes. The Velasco Terminal and the inner harbor operate as multi-purpose terminals. We have the fastest transit time on the Gulf Coast with only an hour from the pilot's station to inner harbor. Through strategic initiatives such as the Freeport Harbor Channel Improvement Project, we will be the deepest port on the Gulf coast with a maximum depth of 56 feet and an operational depth of 51 feet. The support of the local organizations and key partnerships help us continue to thrive and build for the future.

Port Freeport has a diverse cargo portfolio. The public docks work with containerized cargo, RORO, project cargo, breakbulk and dry bulk. The private terminals handle the liquid bulk. Our team offers a customized experience for each tenant to help them reach their fullest potential through collaboration. We continue to invest in the vision of our port alongside our tenants to grow long-lasting partnerships in every sector.

Port Freeport's strategic investments, infrastructure, and sustainability focus position it as a key economic driver, enhancing global trade and delivering substantial benefits to Texas and the U.S.

CONFLICT OF INTEREST

Port Freeport is passionately committed to making any business decisions based solely on evaluation of offers that Port Freeport believes will provide Port Freeport with the best bid. Basic business integrity dictates that Port Freeport's business decisions are objective, be in the best interest of Port Freeport, and are in no way connected to or influenced by any other relationship. By submitting a proposal, the Respondent warrants and certifies on behalf of the Proposing Entity that:

a) Proposing Entity has not directly or indirectly paid, offered, promised to pay, contributed, or promised to contribute any money or any other thing of value or benefit (including employment, contracts or subcontracts relating to Proposing Entity's business) to any Commissioner, official or employee of the Port,
b) No Commissioner, official or employee of the Port has (directly or indirectly) solicited any such payment or contribution, and
c) Proposing Entity does not have any Relationship (as that term is hereinafter defined) with any Commissioner, official or employee of the Port. For the purposes of this Contract, a Relationship is defined as:
    1) A commissioner, official or employee of the Port or an affiliate of a commissioner, official or employee of the Port owns ten percent (10%) of the ownership of the Proposing Entity or ownership in the Proposing Entity with a fair market value of $15,000 or more; or
    2) A Commissioner, official or employee of the Port or an affiliate of a commissioner, official or employee of the Port has an employment or other business relationship with the Proposing Entity that results in a taxable income or receipt of something of value by a commissioner, official or employee of the Port or an affiliate of a commissioner, official or employee of the Port; or
    3) A Commissioner, official or employee of the Port or an affiliate of a commissioner, official or employee of the Port receives one or more gifts from the Proposing Entity that have a total value of more than $100 in one 12-month period.

An "affiliate" of a person is:

a) A family member of the person, related within the first degree by consanguinity or affinity, as defined by Subchapter B, Chapter 573 of the Texas Government Code, or
b) An entity owned in whole or in part by the person or by a family member of the person related within the first degree by consanguinity or affinity.

If awarded a contract with Port Freeport, the representations, warranties, and certifications made in this section are ongoing and will remain in effect for the term of the project.

LIABILITY & LEGAL

Insurance

The contractor shall maintain the minimum level of insurance as required by the Port Freeport Tariff, which can be accessed on the Port Freeport web site (www.portfreeport.com/business-with-the-port/tariffs).

The Policy or Policies shall be endorsed to provide thirty (30) days prior written notice to Port Freeport in the event of cancellation or material changes in the policy.

Certificate(s) of insurance shall be submitted as evidence to verify that the listed coverages are current.

Port Freeport reserves the right to change established minimum coverage limits for special situations.

Project Insurance Requirements

- A Commercial General and Automobile Liability Insurance Policy, including products and completed operation coverage, providing limits of not less than:
    - Bodily Injury Liability, $1,000,000 per occurrence and $2,000,000 aggregate, and
    - Property Damage Liability, $1,000,000 per occurrence and $2,000,000 aggregate, and
    - This policy will include Contractual Liability Coverage which will specifically refer to the indemnification clause. This policy will further provide (XCU) hazard coverage and Broad Form Property Damage Coverage.
- Workers Compensation Insurance at Statutory Limits, Insurance as required per The United States Longshore and Harbor Workers Compensation Act, and Employers Liability limit not less than $5,000,000 per accident.
- Any Subcontractor employed by the Contractor shall obtain coverage as required by Federal Statutes, if applicable.
- If Owner requests in writing that insurance for risks other than those described above be included in the property insurance policies, the Contractors will, if possible, include such insurance, the cost of which will be paid for by Owner.
- The Contractor agrees that none of its subcontractors will be allowed to commence work on the project until (a) the subcontractor has obtained all similar applicable insurance, or (b) the Contractor has provided coverage for the subcontractor.

- Commercial cargo is to be loaded or unloaded prior to final acceptance (Acceptance Document) of a Crane during Repair/Replacement Work; therefore, coverages of insurance will need to be extended around the operations.
- Each of the insurance policies, will be taken out in the name of the Contractor as the principal insured party and Owner as non-contributory additional named insured. All policies will contain a clause stating that each such policy is "Primary".
- All insurance policies or certificates will ensure that losses thereunder will be payable to Owner or the Contractor as its respective interests may appear. However, the policies or certificates may provide that unless the underwriters will have been otherwise instructed by notice in writing from Owner:
    - Except in cases of losses to the Cranes, any loss or claim under any insurance policy may be paid directly to the person to whom any liability covered by such insurance has been incurred, or to Owner, or to the Contractor to reimburse it for any loss, damage or expense incurred by it and covered by such insurance, provided that in the latter cases the underwriter will have first received evidence that the liability insured against has been discharged.
    - In all cases Owner will be given notification of any claim against any of the above policies and/or damage to the Cranes.
- In the event of loss of any Crane component thereof, or the Contractor furnished components, or the designated Owner supplied equipment, the Contractor will undertake the repair, salvage, and recovery thereunder, at its sole cost and expense, on a timetable reasonably acceptable to Owner and will assume the sole responsibility, direction and control of such undertaking, keeping Owner advised of all developments. However, the Contractor will conduct such operations in a manner that will not interfere with Owner's normal operations and will comply with Owner's reasonable requests in this regard.
- The Contractor agrees that it will not do any act or suffer or permit any act to be done whereby any insurance required hereunder will or may be suspended, impaired, or defeated.

- The Contractor will furnish or cause to be furnished to Owner, prior to the commencement of any work under this Agreement, a report signed by a firm of independent insurance brokers and agent of insurance carried and maintained, including certificates of insurance, together with its opinion addressed to Owner as to the adequacy thereof. The Contractor will cause such firm to agree to advise Owner promptly of any default in the payment of any premium as herein required (whether for new insurance or for insurance replacing, renewing, or extending existing insurance) and of any other act or omission on the part of the Contractor of which they have knowledge and which might invalidate, materially change or render unenforceable or cause a lapse of, or prevent the renewal or extension of, in whole or in part, any of the required insurance in the English language. The Contractor will further furnish or cause to be furnished to Owner, current detailed information with respect to such insurance carried and maintained, including certificates of insurance. The Owner reserves the right to require certified copies of any and all insurance policies required under this Agreement. All insurance policies will contain a provision to provide Owner with thirty (30) days prior written notice in the event of cancellation or nonrenewal change to reduce or restrict the coverage of insurance afforded.
- The cost of insurance to be provided by Contractor under this Section is included in the Contract Price except as otherwise noted.

Damage

The contractor shall be responsible for all damage or fines caused by their employees and subcontractors.

Arbitration

Any dispute between Port Freeport and the winning Vendor, whether related to this project or otherwise, shall be settled finally, completely, and conclusively by arbitration in Brazoria County, Texas, in accordance with the Commercial Arbitration Rules of the American Arbitration Association (the "Rules"), by one arbitrator chosen in accordance with the Rules. Arbitration shall be initiated by written demand by the party seeking arbitration. Arbitrate shall be specifically enforceable in the District Court of Brazoria County, Texas. The decision of the arbitrator shall be final, conclusive, and binding, and judgment may be entered thereon in the District Court of Brazoria County, Texas to enforce such a decision and the benefits thereof.

Any arbitration held in accordance with this section shall be private and confidential and no person shall be entitled to attend the hearings except the arbitrator, Port Freeport, Port Freeport attorneys, and any designated representatives of winning Vendor and its attorneys.

The matters submitted for arbitration, the hearings, and proceedings thereunder and the arbitration award shall be kept and maintained in strictest confidence by Port Freeport and the winning Vendor and shall not be discussed, disclosed, or communicated to any person.

On request of either party, the record of the proceedings shall be sealed and may not be disclosed except insofar, and only insofar, as may be necessary to enforce the award of the arbitrator and any judgment enforcing such award.

Defense Obligations

To the fullest extent permitted by applicable laws, the Successful Vendor shall be expected to agree to DEFEND (with counsel reasonably acceptable to Port Freeport) the Indemnified Parties against all claims. It is the intent of Port Freeport and Contractor that the defense obligations of Contractor are without regard to whether the strict liability, fault, sole negligence, or concurrent or contributory negligence of the Indemnified Parties is a factor, and the defense obligations of Successful Vendor shall be intended to protect the Indemnified Parties against Claims based, in whole or in part, on the strict liability, fault, sole negligence, or concurrent or contributory negligence of the Indemnified Parties.

Indemnity Obligations

To the fullest extent permitted by applicable laws, the Successful Vendor shall be expected to assume all liability for and agrees to INDEMNIFY and HOLD HARMLESS the Indemnified Parties against any and all Losses arising from or related to any Claims, except to the extent (and only to the extent) that such Losses are ultimately determined by final, non-appealable judgment of a court of competent jurisdiction to have been caused by the gross negligence or willful misconduct of the Indemnified Parties. The exception set forth in the preceding sentence is not intended and shall not be deemed or construed to limit or waive the Successful Vendor's defense obligation as listed above.

Bonds

The awarded contractor shall be responsible for providing Payment and Performance bonds for the full price of the project. The successful bidder will be required to furnish a Performance Bond and Payment Bond, both in the full amount of the Contract sum issued by a surety company duly authorized in the State of Texas according to the latest list of companies holding certificates of authority from the State Board of Insurance.

COMPLIANCE WITH LAWS

Contractor represents and warrants that, in performing its obligations under this Agreement, Contractor will always comply with all applicable federal, state, and local laws, rules or regulations (collectively, "Laws"). Specifically, and without limitation:

- The Successful Vendor shall comply with all legal requirements required by applicable Laws to be included in, or complied with in or in connection with, this project. Such legal requirements include, without limitation, the following, which are incorporated by reference herein: the Equal Opportunity Clause (41 CFR §60-1.4); the Affirmative Action Clause for Disabled Veterans and Veterans of the Vietnam Era (41 CFR §60-250.4); the Age Discrimination Act of 1975 (29 CFR §1625); the Affirmative Action Clause for Handicapped Workers (41 CFR §60-741.4); the Certification of Non-segregated Facilities Clause (41 CFR §60-1.8); the Affirmative Action and Nondiscrimination Obligations of Federal Contractors and Subcontractors Regarding Disabled Veterans, Recently Separated Veterans, Active Duty Wartime or Campaign Badge Veterans, and Armed Services Service Medal Veterans (41 CFR §60-300.1); the Affirmative Action and Nondiscrimination Obligations for Federal Contractors and Subcontractors Regarding Individuals with Disabilities (41 CFR §60-741.1); and the American with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. To the extent applicable, the requirements of 41 CFR §60-1.4(a)(7), 29 CFR Part 471, Appendix A to Subpart A, 41 CFR §60-300.S(a)(ii), and 41 CFR §60-741.S(a) are expected from the Successful Vendor of this project.
- The Successful Vendor shall comply with the requirements of 41 CFR §§60-1.4(a), 60-300.S(a) and 60-741.S(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability.

- The Immigration Reform and Control Act of 1986, as amended, the Immigration Act of 1990, and the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, require that all employees hired since 1986 provide proof of identity and employment eligibility before they can work in the United States. Port Freeport is committed to complying with all applicable immigration laws of the United States and requires compliance by all contractors and subcontractors who contract with the State. The Successful Vendor shall not place any employee of the Successful Vendor at Port Facilities, nor shall the Successful Vendor permit any employee, nor any subcontractor, to perform any work on behalf of, or for the benefit of, Port Freeport without first confirming said employee's authorization to lawfully work in the United States.

Language Assistance

The Port is committed to taking reasonable steps to provide timely and meaningful access for Limited English Proficient (LEP) individuals encountering the Port's programs, services, and activities. Port Freeport shall provide free language assistance services to people interested in submitting a proposal for this project.

If you need language assistance services about this RFP, please email procurement@portfreeport.com. Additionally, please include the desired language that you need the RFP translated to.

PROPOSAL GUIDELINES

RFP Posting

A notice of the Request for Proposals (RFP) shall be published in the local newspaper, The Facts, which is accessible at www.thefacts.com**.** Additionally, an RFP Announcement shall be posted in the Public Notices section of the Port Freeport website, available at www.portfreeport.com/freeport-community/contractor-bids**.** Furthermore, a physical copy of the RFP may be collected at the Port Administration Building, located at 1100 Cherry St.., Freeport, Texas 77541.

Enquiries

All RFP enquiries and site visits shall be submitted to procurement@portfreeport.com. Technical questions may be coordinated with Paul Bridges at paulbridges@pbacorp.com, with Procurement copied. Only written responses or addenda issued by Port Freeport Procurement shall modify this RFP.

Information obtained from any other source is not official and shall not be considered.

The specified Option A and Option B alternatives are required pricing options and are not deviations. Material substitutions require Engineer review and written approval before fabrication. No other deviations or alternatives will be accepted unless authorized by Port Freeport in writing.

RFP TIMETABLE

The anticipated schedule for this RFP and contract approval is as follows:

RFP Issued	October 23, 2026
RFP Submission Deadline	**December 1, 2026 @ 10AM CST**
Proposal Award	December 17, 2026

While remaining compliant with State of Texas laws and regulations, Port Freeport reserves the right to adjust these dates as needed.

Respondent Expenses

Respondents are solely responsible for their own expenses in preparing a proposal and for subsequent negotiations with Port Freeport, if any. Port Freeport shall not be liable to any Respondent for any claims, whether for costs or damages incurred by the Respondent in preparing the proposal, loss of anticipated profit in connection with any final Contract, or any other matter whatsoever.

Confidentiality of Information

Information pertaining to Port Freeport obtained by the Respondent as a result of participation in this RFP is confidential and shall not be disclosed without prior written authorization from Port Freeport senior management.

Modification of Terms

Port Freeport reserves the right to modify the terms of this RFP at any time at Port Freeport's sole discretion. If the RFP is modified, a notice of the new revision shall be posted in the local newspaper, The Facts (www.thefacts.com). Additionally, the new revision will be posted in the Public Notices section of the Port Freeport website (http://www.portfreeport.com/freeport-community/contractor-bids) and available to be physically picked up at the Port Freeport Administration located at 1100 Cherry St, Freeport, Texas.

This includes the right to cancel this RFP at any time.

PROPOSAL SUBMISSIONS

At minimum, Vendors shall provide one (1) hardcopy proposal. If the Vendor includes a thumb drive, the thumb drive must be scanned for malware before data is transferred to it and verified free of malicious code before submission. Additionally, the Vendor shall ensure the thumb drive, and its components comply with supply chain security requirements, verifying their origin and integrity to avoid counterfeit or compromised devices (i.e., name brand drives from established Vendors).

Any response received after the deadline on the RFP closing date shall not be considered. The responsibility for submitting proposals before the stated time and date is solely the responsibility of the Respondent. Port Freeport shall not be responsible for delays caused by mail, courier service, or any other occurrence.

At minimum, each proposal shall include:

1) Your firm's proposal
    a. The proposal shall include an Executive Summary, which summarizes the proposal and includes the total cost.
    b. The proposal shall include the completed Exhibit E Proposal Pricing Form, including all Section A, B and C line items, both repair-in-place (Option A) and replacement (Option B) prices where listed, separate Option A and Option B total bids, and Section D unit rates. Section D rates are excluded from total bids and apply to quantity adjustments and Change Orders. Only the option selected for each item will be paid. Final quantities shall be confirmed by joint field survey and in writing before material procurement.
    c. If applicable, the proposal shall include a Reoccurring Cost section, which details all reoccurring cost with estimates for the next year (i.e., licensing, maintenance agreements, etc.).
2) Project timeline, which at minimum shall include lead times, start date and completion date.

3) Three (3) references from past customers, preferably with previous projects in critical infrastructure environments as defined in Presidential Policy Directive 21 (PPD-21).
    a. Please notify your references that Port Freeport may contact them for verification purposes.
4) A Certificate of Insurance showing compliance with the Insurance section of this RFP, including the incorporated project-specific requirements and Port Freeport Tariff requirements.
5) Proof of the required certifications and qualifications.

All proposals must include proposed costs to complete the tasks described within this document. Costs should be stated as one-time/non-recurring costs or monthly/annual recurring costs.

If the organization submitting a proposal must outsource or contract any work (i.e., subcontractors) to meet the requirements contained herein, this shall be clearly stated in the proposal. Additionally, all costs included in the proposals shall be all-inclusive to include any outsourced or contracted work. Any proposals which contain outsourcing must include the subcontractor's name, address, years of experience and a description of the organization's project activities.

If applicable, all proposals shall include shipping and handling charges.

All proposals shall be signed by an official agent or representative of the company submitting the proposal.

The Respondent shall submit their **SEALED** proposal in person or by a recognized mail/delivery service to:

- Port Freeport
- Attn: Danielle Allen, Walkway and Stairway Platform and Support Repairs on Cranes 1 and 2
- 1100 Cherry Street
- Freeport, Texas 77541

Respondent shall not change the wording of its proposal after submission unless requested by Port Freeport for the purposes of clarification.

All proposals shall be opened at the Port Freeport Administration Bldg,1100 Cherry St. Freeport, Texas 77541. The opening of the proposals is open to the public.

Ownership of Proposals

All documents and associated materials submitted to Port Freeport as part of this RFP become the property of Port Freeport. These items shall be received and held in confidence by Port Freeport, subject to the provisions of the Public Information Act located in chapter 552 of the Texas Government Code and the Maritime Security Directives issued by the U.S. Coast Guard under 33 CFR Part 101.405.

Acceptance of Proposals

This RFP is not an agreement to purchase goods or services. Port Freeport is not bound to enter into a Contract with any respondent. Proposals shall be assessed by utilizing the qualifications within this document. Port Freeport shall be under no obligation to receive further information, whether written or oral, from any Respondent.

Delivery of the proposal shall be in accordance with the requirements specified within this document.

PROPOSAL REVIEW

A review of all Respondents' proposals shall be conducted by Port Freeport to ensure the proposal meets the specified criteria within this RFP. Proposals not meeting all the criteria established within this document may be rejected without further consideration.

Each qualified proposal shall be evaluated using a quantitative method for the following topics:

- Cost Effectiveness (40%)
    - Analysis of the total project cost, including initial investment, maintenance, and operational expenses.
    - Consideration of the bidder's pricing in relation to the lowest bid.
- Technical Capability and Solution Quality (50%)
    - Review of the bidder's prior experience with similar projects, particularly in critical infrastructure environments.
    - Review of bidder's technical certifications.
- Contractor Reputation / Past Performance (5%)
    - Review of the bidder's prior experience with Port Freeport and/or references.
- Schedule (5%)
    - Review of the proposed timelines.

Port Freeport reserves the right to request additional information from a Respondent.

The Port reserves the right to initiate Value Engineering if pricing exceeds budget, collaborating on cost-saving alternatives while meeting the specifications detailed within this RFP.

Regardless of the factors set forth herein, the Port reserves the right to select the best bid pursuant to Section 60.408(b) of the Texas Water Code.

PROPOSAL SELECTION

Negotiations

Port Freeport may award a contract based on initial offers received, without discussion, or may require Respondents to give oral presentations based on their responses.

Port Freeport reserves the right to enter negotiations with the selected Respondent, and if Port Freeport and the selected Respondent cannot negotiate a mutually acceptable contract, Port Freeport may terminate the negotiations and begin negotiations with the next selected Respondent. This process may continue until a contract has been executed or all responses have been rejected.

No Respondent shall have any rights in the subject project or property or against the Port arising from such negotiations.

A comprehensive evaluation shall take place of the potential service provider prior to awarding the contract. This comprehensive evaluation may include, but not limited to, financial stability, reputation, legal issues, and overall risk.

Contract terms and conditions will be negotiated upon selection of the successful contractor and are subject to Port Freeport review. The supplemental contract requirements incorporated below form the proposed project terms. The Contract Price, delivery date, authorized representatives and remaining blanks shall be completed before contract execution.

SUPPLEMENTAL CONTRACT REQUIREMENTS

Owner means Port Freeport. The RFP sealed-submission process, evaluation criteria, payment and performance bond requirement, and Brazoria County arbitration provisions remain controlling where the source documents differ.

Definitions

Acceptance Document - Refers to the memorandum, executed by Owner and the Contractor that attests the Cranes were completely repaired, and placed back in operation. This document will be issued prior to the final payment to the Contractor.

Change Order - Refers to changes in the modification of the work as more fully discussed in Section 2.4.

Contract or Agreement - Refers to this Contract or Agreement with Appendices hereto and the Specifications.

Contract Price - Refers to Clause 2.21 hereof and includes all prices set forth in this Agreement.

Contractor - the prime contractor, who is responsible for the entire project including all its subcontractors.

Cranes - Refers to two (2) ZPMC Ship-to-Shore Container Cranes covered by the scope of this Agreement, identified by Owner as Crane No. 1 and Crane No. 2 (the two original cranes at Port Freeport). The two larger cranes recently added to the Port Freeport fleet are excluded from this scope. Crane No. 1 is located to the southwest of Crane No. 2.

Engineer or Owner’s Engineer - Refers to Owner's agent or its duly appointed Reviewing Owner’s Engineer, the name of whom will be made known to the Contractor.

Owner's Representative - Refers to any company or person Owner authorizes to act on its behalf, the name of whom will be made known to the Contractor.

Days, Weeks or Months - Refers to calendar periods of time. All days, weeks, and/or months referenced in this Agreement are calendar days, weeks, and months.

Delivery Date - Refers to the date specified in this Agreement that the Contractor will complete Work to be performed under this Agreement and hand over the Cranes completely repaired and accepted by Owner.

Dollar(s) or $ - Refers to the monetary unit of the United States, equal to 100 cents.

Equal or Approved Equal - Refers to an item specified by proprietary name, the decision as to its equal will be solely Owner's, and its decision will be final.

Force Majeure - Refers to war, riot, fire, flood, and other Acts of God which cause a material impairment of the Contractor’s performance which cannot be avoided by the Contractor exercising all due diligence.

Repair Schedule or Schedule - Refers to a network analysis of the Critical Path Method (CPM) type that clearly details the Contractor's plan for the orderly completion of the work under this Agreement, including repair of the Cranes.

Notice to Proceed - Refers to a written instrument from Owner that directs the Contractor to proceed with the Work specified in this Agreement.

Replacement Value - Refers to the value of a crane, and all of its crane components comparable to such the particular crane with repairs.

Project Engineer - Refers to the Contractor's qualified Project Engineer who is responsible for all phases of the Project from design through acceptance, the name of whom will be made known to Owner. This person is the Contractor's representative, and Owner's Engineer will deal solely with this person.

Site - Refers to the actual location on the Cranes at the Port where the Work will take place.

Specifications and Contract Plans - Refers to the guidelines set forth for the work to be performed and defined within this Agreement.

Subcontractor - Refers to any company that the Contractor may engage to furnish services to complete one or more parts of the work to be accomplished under this Agreement. Subcontractors will be subject to acceptance by Owner, however, any work performed by a Subcontractor shall remain the responsibility of the Contractor.

Support Arms - Refers to the structural members that connect the Walkway Platform and Stairway Support Framing to the crane structure, including the channel sections and connection plates. Support Arms constitute the secondary corrosion zone on the Cranes: they are not engaged directly by FIXING hooks but exhibit corrosion from environmental exposure and contact with corrosion products. See the Drawing Index with Repair and/or Replacement Options for Cranes No. 1 and No. 2 in Section 3.2.11.

Substantial Completion Date - Refers to the date when the substantially repaired Cranes are accepted by Owner although all the work required by this Agreement is not complete. To be considered substantially complete, the repaired areas of the Cranes shall provide safe access according to OSHA standards and as they did prior to the corrosion damage; Contractor must comply with all applicable codes and regulations. Owner's acceptance as substantially completed will be given on the Cranes only if it is in its interests to do so and then only if the nature of the incomplete work items are individually or collectively minor in nature.

Vendor - Refers to any company or person supplying equipment that forms a part, parts, or assemblies on the completed Cranes.

Walkway Platform Framing - Refers to the structural framing members of the walkway platform panels (per Drawing J361A500601 sub-assemblies). These members are engaged directly by the FIXING grating clamp hooks, which clamp onto the framing from below. The Walkway Platform Framing is the primary (most severely affected) corrosion zone on the Cranes.

Work - Refers to the repair of the Cranes.

Waiver of Liens

No Contractor, Subcontractor, Vendor, or other person furnishing services, labor or materials for the Work or work herein provided for, or for any alterations or additions thereto, shall have any right to file any mechanic's lien, or claim of any sort or kind, against the Cranes, the Site, or any part thereof. The Contractor shall require any Subcontractor or Vendor or any other person furnishing services, labor or materials for the Work or work herein provided for to include and accept this provision in its contract documents.

Items Requiring Owners Consent

The following items require Owner's consent and are spelled out in detail within this agreement:

(1) Subcontractor(s)

(2) Equal or Approved Equal

(3) Extension of time or price change

(4) Contractor's design for the Work or any work under this Agreement

(5) Changes, modification extra Work, or extra work under this Agreement

(6) Repair Schedule

(7) Insurance

Time of Delivery

Commencement

Work under this Agreement will be started by the Contractor immediately on the date that the Contract documents signed by Owner are received by the Contractor, which shall constitute Notice to Proceed.

Delivery Date

The Contractor will complete the Work to be performed under this Agreement in accordance with the requirements of this Agreement on or before the Delivery Date agreed upon in proposal submission. Time is of the essence for Contractor’s Work to be performed by the Delivery Date.

Permissible Delays

If the Contractor is delayed at any time in the progress of the Work under this Agreement by any act or neglect of Owner, Owner’s Engineer or any separate Contractor employed by Owner, or by Port authorities having jurisdiction over the Sites of the Cranes or subcontractors of such Port Authority or by changes in the scope of the Work to be performed thereunder which have been authorized by Owner in writing, or by cause of Force Majeure, then the Delivery Date of the Cranes will be correspondingly extended on a day for day basis for the period of delay.

The Contractor will make written claim to Owner or Owner’s Engineer for any extension of the Delivery Date, due to any of the foregoing causes within fourteen (14) days following the initial date of the occurrence giving rise to the claim or date Contractor should have had notice. If Contractor fails to give such written notice the claim will be deemed waived.

Additional Work Effort

In the event the Work under this Agreement is behind the Repair Schedule, and such failure to meet the schedule, including plans of the Contractor to correct the problem appears to result in a delay of the Delivery Date of the Cranes, Owner may call such matter to the Contractor's attention. The Contractor and Owner will attempt to determine whether the reported failure to meet any individual part or all of the schedule together with the Contractor's plans for correction will, in fact, result in failure of the Contractor to meet the Delivery Date.

The Contractor will, in addition to other remedies, if required to meet the Delivery Date, work such additional shifts and employ such additional resources as are necessary, at no additional cost to Owner, in order to get back onto the schedule sufficiently to meet said Delivery Date.

Notwithstanding the above, if the Contractor is delayed in meeting the Delivery Date for any reason set forth is required by Owner to make additional work efforts to meet the Delivery Date, Contractor shall be entitled to an equitable adjustment of the Contract Price.

Changes, Modifications and Extra Work

Owner, or its Owner's Engineer, will each have the right to order changes in, or modifications of the work, in writing, to be performed under this Agreement. If any such changes or modifications are made pursuant to such orders, adjustments in the Delivery Date and in the Contract Price will be negotiated in good faith by the parties.

In the event of a dispute as to the amount of any such adjustment, the Contractor will, nevertheless, proceed with the work directed in the Change Order, when and as directed, maintaining a complete supporting cost record of all such changes or modifications.

No such changes or modifications will become effective until reduced to writing and signed by Owner.

Any claim by the Contractor for compensation for extra work due to differences arising out of or in connection with this agreement shall be made in writing to Owner or Owner's Engineer within fourteen (14) days of the occurrences giving rise to the claim, or date Contractor should have had notice. If Contractor fails to give such written notice, the claim will be deemed waived.

Repair Schedule

Within ten (10) days of Notice to Proceed, the Contractor will submit for approval to Owner's Engineer, three (3) copies of the Repair Schedule which clearly details the sequence of the Contractor's expected work at Site.

The Contractor's Repair Schedule shall indicate time and task of any/all work to be done so as not to interfere with normal operations at Site, in accordance with the no-downtime requirement.

The Repair Schedule will be subject to approval by Owner's Engineer as to the Contractor's compliance with the Specifications. The Contractor shall submit a revised schedule to Owner and Owner's Engineer every seven (7) calendar days which indicates progress of work to date.

Taxes, Fees and Duties

The Contract Price shall be inclusive of all taxes and fees. Owner agrees to cooperate with Contractor to reduce, to the extent permissible, taxes, fees and duties for which Contractor is otherwise liable.

Governing Law

This Agreement and the rights and obligations of the parties hereunder shall be governed and construed in accordance with the laws of the United States, as applicable.

Termination

Owner will have the right, from time to time and at any time, to cancel this Agreement or any portion hereof, with respect to which a Notice to Proceed has been given in accordance, as of any date specified by Owner provided that it will have given the Contractor at least thirty (30) calendar days prior written notice of such cancellation date. Any cancellation of this Agreement or any portion thereof pursuant to this section, will not affect the rights, interests, duties or obligations of either of the parties with respect to any portions hereof which have not been so canceled.

Cancellation

In the event that Owner cancels this Agreement, or any portion thereof pursuant to Section above, Owner will pay to the Contractor all provable costs of Contractor caused directly by such cancellation in any amount, in all or any events, not to exceed the then unpaid balance of the Contract Price.

With respect to any termination pursuant to this section, the Contractor agrees that Owner or any of its duly authorized representatives will, for a period of six (6) months after final settlement, under the terms of termination hereof have, at reasonable times, free access to and the right to examine, audit and make copies of all relevant and pertinent books, documents, papers and records pertaining to that part of this Agreement which was terminated.

Right of Assignment

This Agreement will be binding upon and inure to the benefit of Owner and the Contractor and their respective successors and assigns. The Contractor shall not assign or transfer this Agreement or any of its rights or obligations hereunder without the prior written consent of Owner, which consent will not be unreasonably withheld. Owner may assign its rights and obligations under this Agreement without the consent of the Contractor. In the event of an assignment, by either party, the assigning party will remain secondarily liable for the faithful performance of this Agreement.

Equal Employment Opportunity

The Contractor and Owner will comply with all applicable laws, rules and regulations concerning employment practices.

Compliance with Laws, Rules and Regulations

The Contractor will be responsible for procuring at its own cost, and will, with due diligence all approvals, licenses, permits, priorities, authorizations, waivers, etc. as required by or issued by the applicable government, its subdivisions, and any other agency having jurisdiction of the Site so the Cranes may be used for the purpose intended.

In the event of change in requirements of pertinent regulatory bodies between the date of this Agreement and the date of delivery at Delivery Site, the Contractor will undertake to meet the changed requirement and will negotiate with Owner for a reasonable Change Order as made necessary by such subsequent changes in regulations.

For this warranty to be enforceable by Owner against Contractor, the item of warranty work requested by Owner must not be caused by a failure of Owner to maintain the Cranes to industry standards, or a failure to operate and maintain by competent personnel of Owner, or result from overloading or stressing beyond Specifications, or have resulted from casualty by Force Majeure, negligence of any party other than Contractor, or wanton, military or unlawful act. None of the warranties extend to consumables.

In the event later inspection demonstrates that any defect or failure was not due to any work performed, or to any materials or equipment furnished, pursuant to this Agreement, the costs of such repairs, or replacements, whether made by the Contractor or others, will be for Owner's account, and Owner will further reimburse the Contractor for its substantiated necessary costs incurred by the Contractor in making its inspection.

Patent Indemnification

The Contractor represents and warrants that neither the design of nor any components of a Crane as modified by the Contractor will infringe on any patent or other intellectual property owned or controlled by any person, firm corporation, or association other than the Contractor or Owner. To the extent that such design or components of a Crane incorporate or utilize in any fashion any inventions covered by a patent (whether foreign or domestic) owned or controlled by the Contractor, Owner and any other Owner of the Cranes repaired under this Agreement will have royalty-free license in respect of such inventions in connection with the repair of the Cranes.

The Contractor, hereby, agrees to indemnify Owner and any other Owner, and their respective officers, agents, employees, successors and assigns, against any liability, including costs, claims or suits or judgments resulting from infringement or any alleged infringement of any existing valid foreign or domestic patent or other intellectual property, arising out of the repair of the Cranes.

In the event that suit for infringement is brought, or a claim for such infringement is made against Owner or any Owner of the Cranes, their respective officers, agents and employees, Owner will, forthwith, upon receiving notice of the filing of such suit or the making of the claim, promptly give the Contractor written notice thereof.

The Contractor will thereupon, through its own counsel, assume control of said claim or suit and, at its own expense, defend the same; however, Owner will, at its own expense, have the right to be represented by counsel of its own choice in such suit. The Contractor will have the sole right to settle any such suit or claim for infringement as it sees fit. This indemnification will not cover changes, upgrades, modifications or alterations to a Crane made by Owner unless such modifications or alterations are approved in writing by the Contractor.

The Contractor covenants and agrees that:

No third party has been employed or retained or solicited to secure this Agreement for the Contractor upon an agreement or understanding for the payment to such person of a commission, percentage, brokerage, contingent fee or other thing of value.

No third party had, or will be admitted to, any share of part of this Agreement or to any benefit or profit that may arise therefrom.

No officer, agent or employee of Owner or of an entity affiliated with Owner was employed, retained or solicited to secure this Agreement for the Contractor, and

No officer, agent or employee of Owner or of an entity affiliated with Owner has a beneficial interest in the Contractor or this Agreement or has or will receive anything of value as a result of or arising from this Agreement.

For breach or violation of these covenants, Owner will have the right to seek restitution to the extent it has been damaged from the Contractor and its officers and directors jointly, together with its reasonable expenses (including attorney's fees) incurred in collecting such sums.

Terms of Payment

Contract Price Payment

The Contractor shall invoice Owner for payments at the designated intervals and Owner will pay the Contractor within 30 days of receipt of invoice.

Final Payment

Prior to making the final payment, the Contractor shall furnish to Owner a certificate stating that the Cranes are free and clear of any and all liens, claims and encumbrances arising from the work performed by the Contractor and that all outstanding invoices from Vendors, Subcontractors, etc. have been paid by the Contractor.

Warranty and Liability After Final Payment

Final acceptance and payment by Owner for work performed under this Agreement will not release the Contractor from any of its liabilities or responsibilities under any of the warranties or representations or any of the terms of this Agreement.

Address

All notices provided for hereunder will, unless otherwise specified herein, be in writing by certified or registered mail, addressed as follows:

To Owner:
Port Freeport
Attn: Mr. Don Mullett
575 Pete Schaff Blvd
Freeport, TX

QUALIFICATIONS

Business Requirements

The contractor shall have at least 5 years' experience with the repair work described in Technical Requirements.

Safety

The successful contractor shall be responsible for providing all applicable personal protective equipment (PPE).

The successful contractor shall follow all applicable OSHA and NFPA standards as required by local, state, and federal requirements. Contractor shall follow all applicable safety guidelines detailed in General.

The successful contractor shall follow all Port Freeport safety guidelines.

Security

All members of the installation crew and any representative of the successful contractor working on site at Port Freeport shall have a current Transportation Worker Identification Credential (TWIC).

The successful contractor shall follow all Port Freeport security guidelines.

EQUIPMENT INSTALLATION

Completion

The following description of Work is general only and does not necessarily include all items required to accomplish the complete repair of the Cranes. The items listed below are not intended to be listed in sequential order. All material, unless noted otherwise, is to be furnished by Contractor. It is the Contractor's responsibility to verify all information before commencing work, including final quantities and lengths of replacement Walkway Platform Framing and Support Arm sections. All design, detail

and shop drawings and calculations necessary to complete the repair of the Cranes are the responsibility of the Contractor and are to be furnished to Port Freeport for review.

Drawings and Design Responsibilities

The Contractor will design and shop detail any work required beyond that shown on the Contract Drawings, when required by Port Freeport; however, this work would be outside the Scope of this Agreement.

The Contractor will shop detail all work shown on the Contract Documents.

The Contractor shall submit for review by Port Freeport's Engineer copies of all shop detail drawings used by the Contractor to repair the Cranes. No deviations from the specified concepts, systems or components proposed by the Contractor are included in this review unless called to the attention of Port Freeport's Engineer in writing and approved in writing.

Four (4) copies of all the information under this Section will be submitted for review.

Distribution will be as follows:

Two (2) copies to:

Port Freeport

Attn: Mr. Don Mullett

575 Pete Schaff Blvd.

Freeport, TX

mullett@portfreeport.com

Two (2) copies to:

Paul Bridges & Associates, Inc.

Attn: Paul E. Bridges

156 St. Anthony Street

Mobile, AL 36603 USA

paulbridges@pbacorp.com

PROJECT EXHIBITS

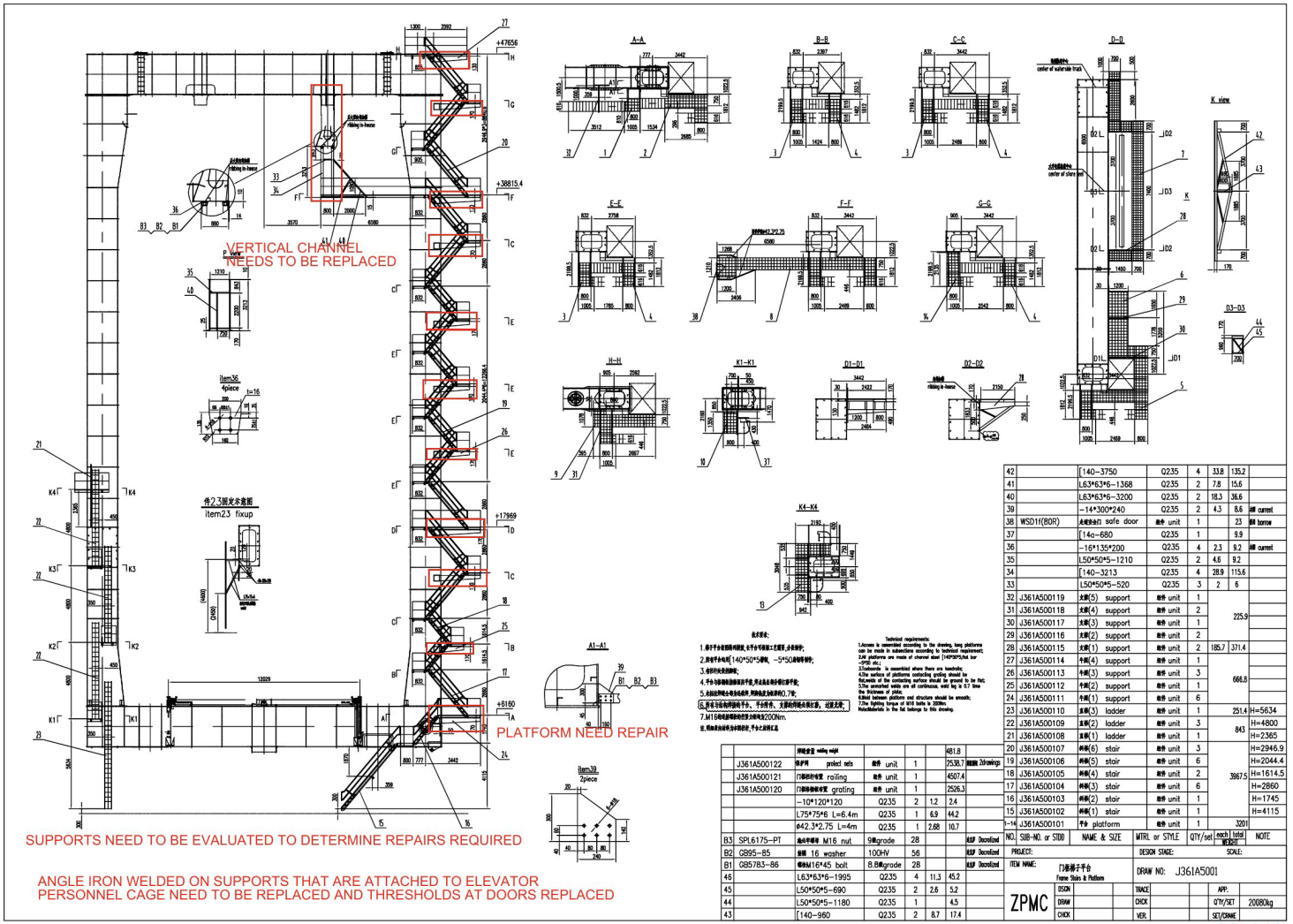
Exhibit A – Project Drawings

Exhibit B – Reference Drawings

Exhibit C – Proposal Pricing Form

EXHIBIT A – PROJECT DRAWINGS

[Marked-up ZPMC as-built drawings identifying the repair and/or replacement areas on Crane No. 1 (and, as noted in the Drawing Index of, Crane No. 2) follow, in Drawing Index order: AB 143 (J361A5001), AB 145 (J361A500300), AB 147 (J361A5005), AB 148 (J361A5006) with J361A-GD01(22) Fixing Assembly and J361A-GD0102D Hook, AB 128 and AB 129 (J361A3001), and AB 132 (J361A3004). These are followed by the walkway platform detail drawings carried forward from Revision r01: enlarged Sections A-A, B-B, C-C, E-E and F-F, View D, Items 13 and 17 and Details a and b; J361A500601 Platform; and the J361A500601 bilingual translation key.]



		网格盖板 railing weight					481.8	
	J361A500122	保护网 project nets	组件 unit	1			2538.7	图纸数 20drawings
	J361A500121	门架扶手栏杆 railing	组件 unit	1			4507.4	
	J361A500120	门架踏板格栅板 grating	组件 unit	1			2526.3	
		−10*120*120	Q235	2	1.2	2.4		
		L75*75*6 L=6.4m	Q235	1	6.9	44.2		
		Φ42.3*2.75 L=4m	Q235	1	2.68	10.7		
B3	SPL6175-PT	高栓带螺母 M16 nut	9Mgrade	28				KEP Decrolized
B2	GB95−85	垫圈 16 washer	100HV	56				KEP Decrolized
B1	GB5783−86	螺栓M16*45 bolt	8.8Mgrade	28				KEP Decrolized
46		L63*63*6−1995	Q235	4	11.3	45.2		
45		L50*50*5−690	Q235	2	2.6	5.2		
44		L50*50*5−1180	Q235	1		4.5		
43		[140−960	Q235	2	8.7	17.4		
42		[140−3750	Q235	4	33.8	135.2		
41		L63*63*6−1368	Q235	2	7.8	15.6		
40		L63*63*6−3200	Q235	2	18.3	36.6		
39		−14*300*240	Q235	2	4.3	8.6		MF current
38	WSD1(80R)	走道防水门 safe door	组件 unit	1		23		BM borrow
37		[14a−680	Q235	1		9.9		
36		−16*135*200	Q235	4	2.3	9.2		MF current
35		L50*50*5−1210	Q235	2	4.6	9.2		
34		[140−3213	Q235	4	28.9	115.6		
33		L50*50*5−520	Q235	3	2	6		
32	J361A500119	支撑(5) support	组件 unit	1				
31	J361A500118	支撑(4) support	组件 unit	2			225.9	
30	J361A500117	支撑(3) support	组件 unit	1				
29	J361A500116	支撑(2) support	组件 unit	2				
28	J361A500115	支撑(1) support	组件 unit	2	185.7	371.4		
27	J361A500114	牛腿(4) support	组件 unit	1				
26	J361A500113	牛腿(3) support	组件 unit	3			666.8	
25	J361A500112	牛腿(2) support	组件 unit	1				
24	J361A500111	牛腿(1) support	组件 unit	6				
23	J361A500110	直梯(3) ladder	组件 unit	1		251.4		H=5634
22	J361A500109	直梯(2) ladder	组件 unit	3		843		H=4800
21	J361A500108	直梯(1) ladder	组件 unit	1				H=2365
20	J361A500107	斜梯(6) stair	组件 unit	3				H=2946.9
19	J361A500106	斜梯(5) stair	组件 unit	6				H=2044.4
18	J361A500105	斜梯(4) stair	组件 unit	2		3967.5		H=1614.5
17	J361A500104	斜梯(3) stair	组件 unit	6				H=2860
16	J361A500103	斜梯(2) stair	组件 unit	1				H=1745
15	J361A500102	斜梯(1) stair	组件 unit	1				H=4115
1−14	J361A500101	平台 platform	组件 unit	1		3201		

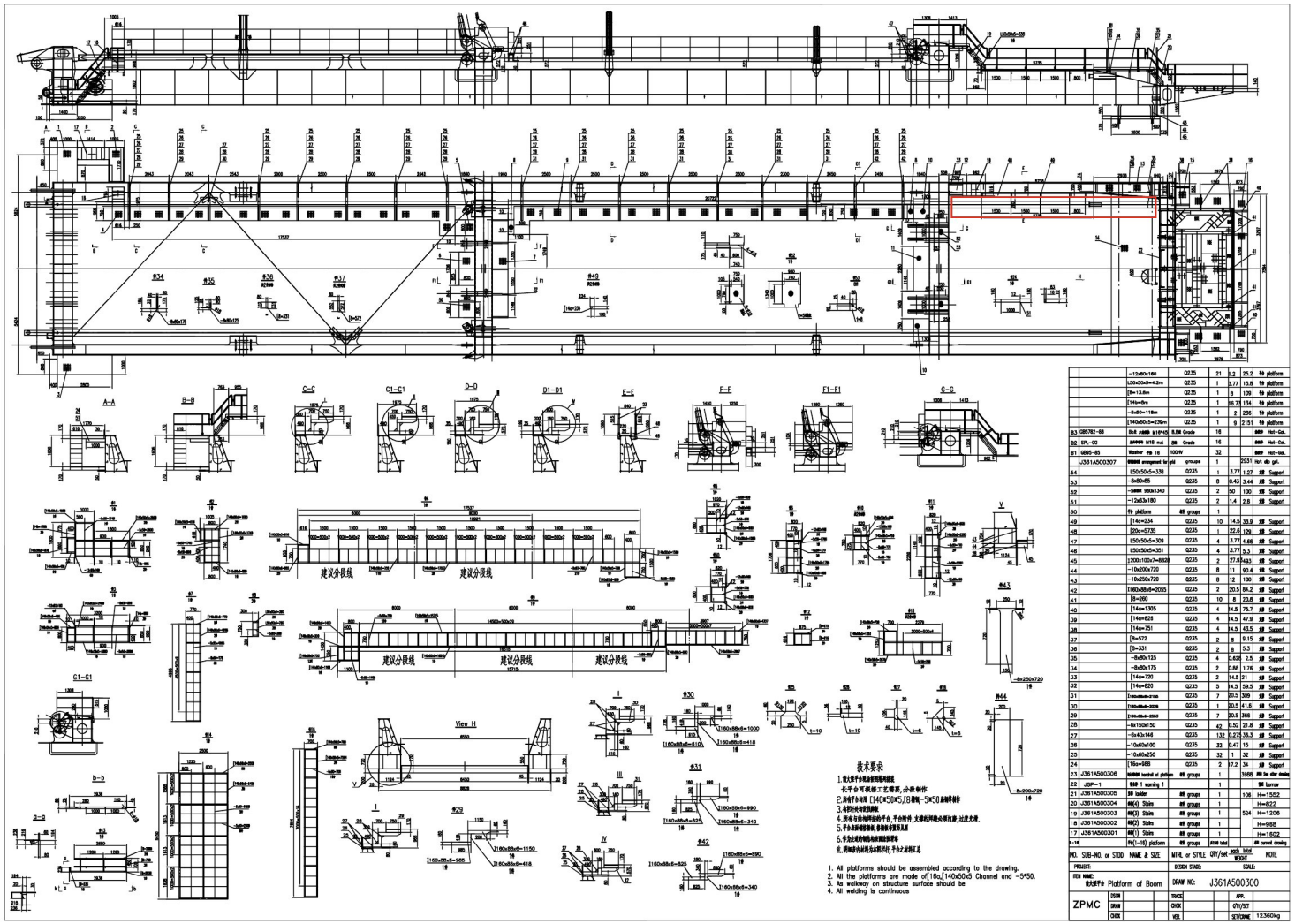
NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each	total	NOTE
					WEIGHT		

PROJECT: DESIGN STAGE: SCALE:

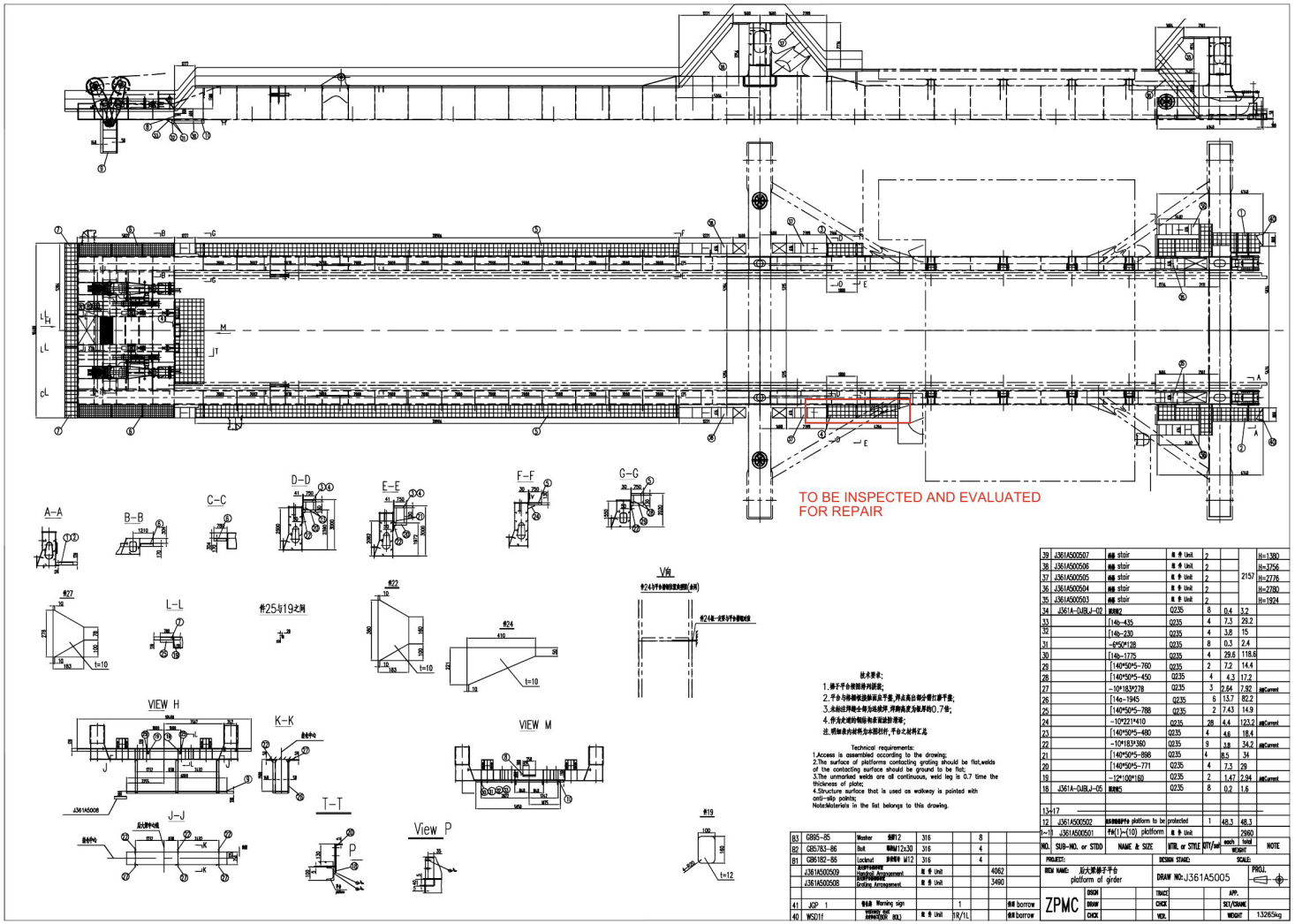
ITEM NAME: 门形梯子平台 Frame Stairs & Platform DRAW NO: J361A5001

ZPMC	DSGN		TRACE		APP.	
	DRAW		CHCK		QTY/SET	20080kg
	CHCK		VER.		SET/DRAWG	

AB 143



AB 145



39	J361A500507	楼梯 stair	套 Unit	2			H=1380
38	J361A500506	楼梯 stair	套 Unit	2			H=3756
37	J361A500505	楼梯 stair	套 Unit	2		2157	H=2776
36	J361A500504	楼梯 stair	套 Unit	2			H=2780
35	J361A500503	楼梯 stair	套 Unit	2			H=1924
34	J361A-DJBJ-02	踏板2	Q235	8	0.4	3.2	
33		[14b-435	Q235	4	7.3	29.2	
32		[14b-230	Q235	4	3.8	15	
31		-8*50*128	Q235	8	0.3	2.4	
30		[16b-1775	Q235	4	29.6	118.6	
29		[140*50*5-760	Q235	2	7.2	14.4	
28		[140*50*5-450	Q235	4	4.3	17.2	
27		-10*183*278	Q235	3	2.64	7.92	按Current
26		[14a-1945	Q235	6	13.7	82.2	
25		[140*50*5-788	Q235	2	7.43	14.9	
24		-10*221*410	Q235	28	4.4	123.2	按Current
23		[140*50*5-480	Q235	4	4.6	18.4	
22		-10*183*360	Q235	9	3.8	34.2	按Current
21		[140*50*5-898	Q235	4	8.5	34	
20		[140*50*5-771	Q235	4	7.3	29	
19		-12*100*160	Q235	2	1.47	2.94	按Current
18	J361A-DJBJ-05	踏板5	Q235	8	0.2	1.6	
13~17							
12	J361A500502	踏板格栅平台 platform to be protected		1	48.3	48.3	
1~11	J361A500501	平台(1)~(10) platform	套 Unit			2960	

B3	GB95-85	Washer 垫圈12	316		8		
B2	GB5783-86	Bolt 螺栓M12x30	316		4		
B1	GB6182-86	Locknut 防松螺母 M12	316		4		
	J361A500509	踏板格栅 Grating Arrangement	套 Unit			4062	
	J361A500508	踏板格栅 Grating Arrangement	套 Unit			3490	
41	JGP 1	警告牌 Warning sign			1		按R borrow
40	WSD1f	扶手管 HANDRAIL	套 Unit		1R/1L		按R borrow

NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each	total	NOTE
					WEIGHT		

PROJECT: DESIGN STAND: SCALE:

WORK NAME: 后大梁梯子平台 platform of girder

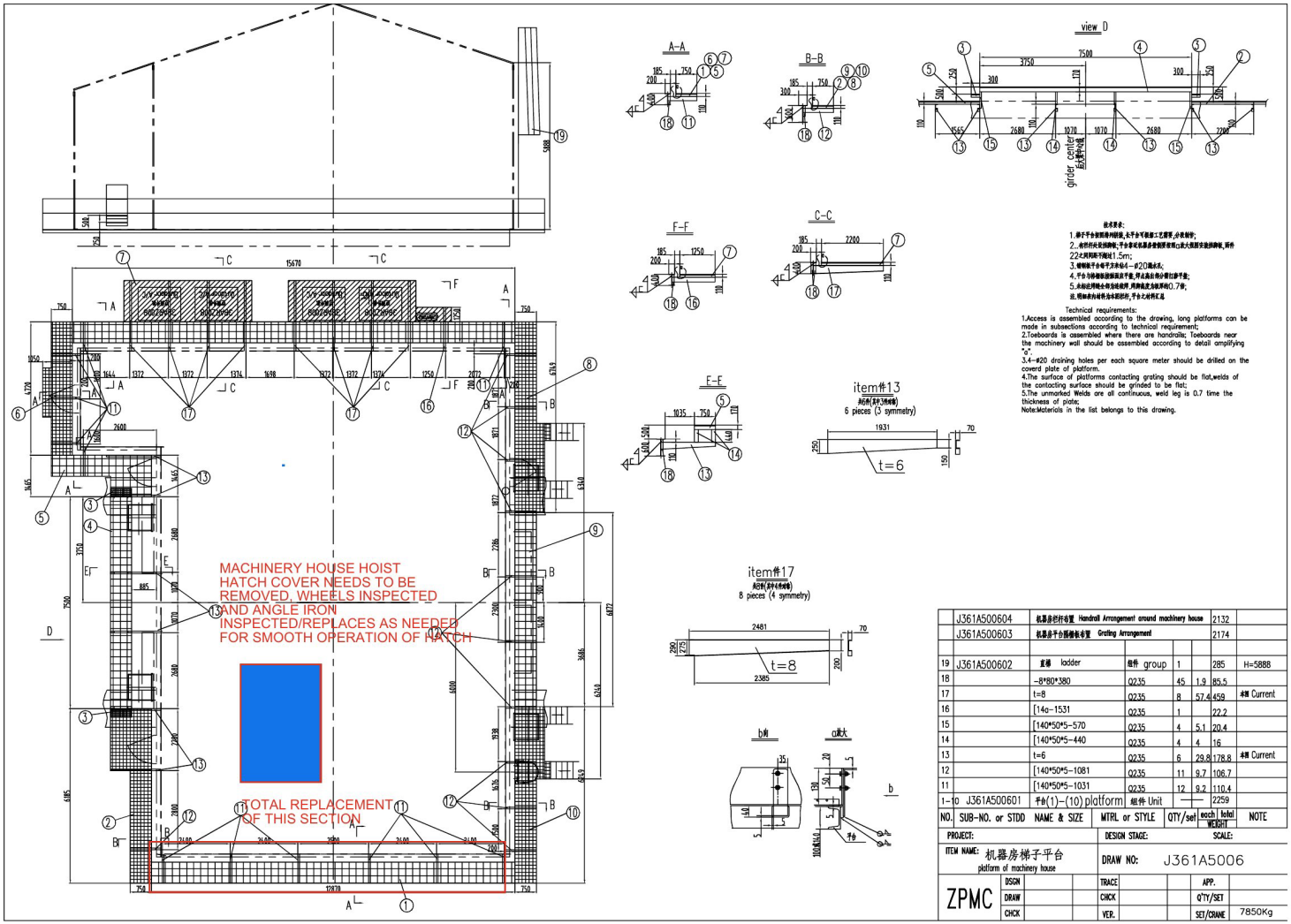
DRAW NO: J361A5005

ZPMC

DSGN		TRACE		APP.	
DRAW		CHK		SEC/DIAME	
CHK		VER.		WEIGHT	1.3265kg

PROJ.

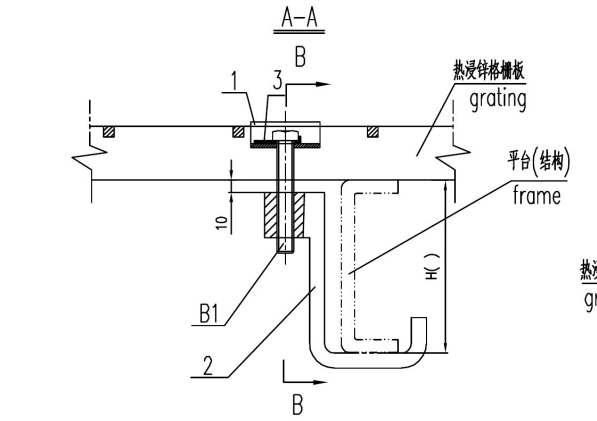
AB147

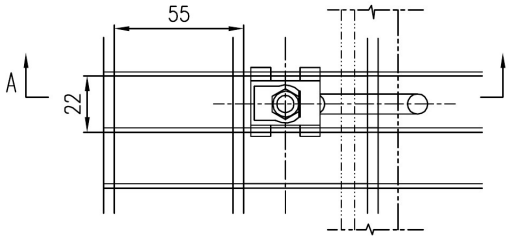


NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each	total WEIGHT	NOTE
	J361A500604	机器房栏杆布置 Handrail Arrangement around machinery house				2132	
	J361A500603	机器房平台围栏板布置 Grating Arrangement				2174	
19	J361A500602	直梯 ladder	组件 group	1		285	H=5888
18		-8*80*380	Q235	45	1.9	85.5	
17		t=8	Q235	8	57.4	459	本期 Current
16		[14a-1531	Q235	1		22.2	
15		[140*50*5-570	Q235	4	5.1	20.4	
14		[140*50*5-440	Q235	4	4	16	
13		t=6	Q235	6	29.8	178.8	本期 Current
12		[140*50*5-1081	Q235	11	9.7	106.7	
11		[140*50*5-1031	Q235	12	9.2	110.4	
1-10	J361A500601	平台(1)-(10) platform	组件 Unit			2259	

PROJECT:		DESIGN STAGE:		SCALE:	
ITEM NAME: 机器房梯子平台 platform of machinery house		DRAW NO: J361A5006			
ZPMC	DSGN	TRACE	APP.		
	DRAW	CHCK	Q'TY/SET		
	CHCK	VER.	SET/CRANE	7850Kg	

AB 148





技术要求

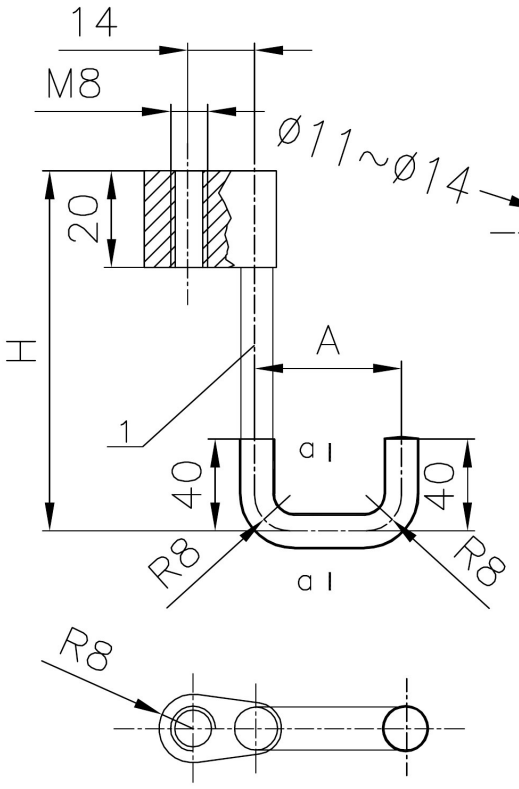
1.把压板先放在格栅板的扁钢上,螺栓上涂防松胶,再拧紧螺栓.

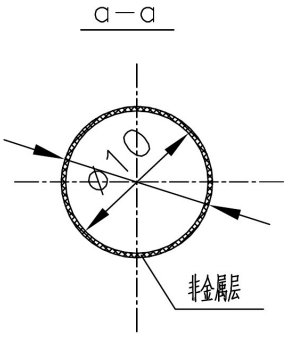
REQUIREMENT

1.Put the saddle plate on the grating, glue the bolt, then tighten.

另件号	分图号或标准	名称及规格	材料或型号	每套数量	单重	共重	备注
B1	GB5783-86	六角螺栓 bolt M8*70	316	1	0.05		
3	J361A-LERDP	弹簧止动垫圈 locked washer	316 stainless steel	1	0.02		
2	J361A-GD0102D	固定钩 hook	316 stainless steel	1	0.16		stainless,painted 按公司油漆工艺油漆
1	J361A-GYB-22(Q)	嵌条压板 saddle plate	316 stainless steel	1	0.04		

更改及日期	设计/DSGN	校对/CHKD	图幅/FORMAT
	日期/DATE	日期/DATE	
	材料/MAT	比例/SCALE	图名/DRAWING NAME
	单重/WEI		固定钩装配 FIXING
修改标志	ZPMC 上海振华港机公司	图号/DRAWING NO. J361A-GD01(22)	版本/REV 页号/PAGE



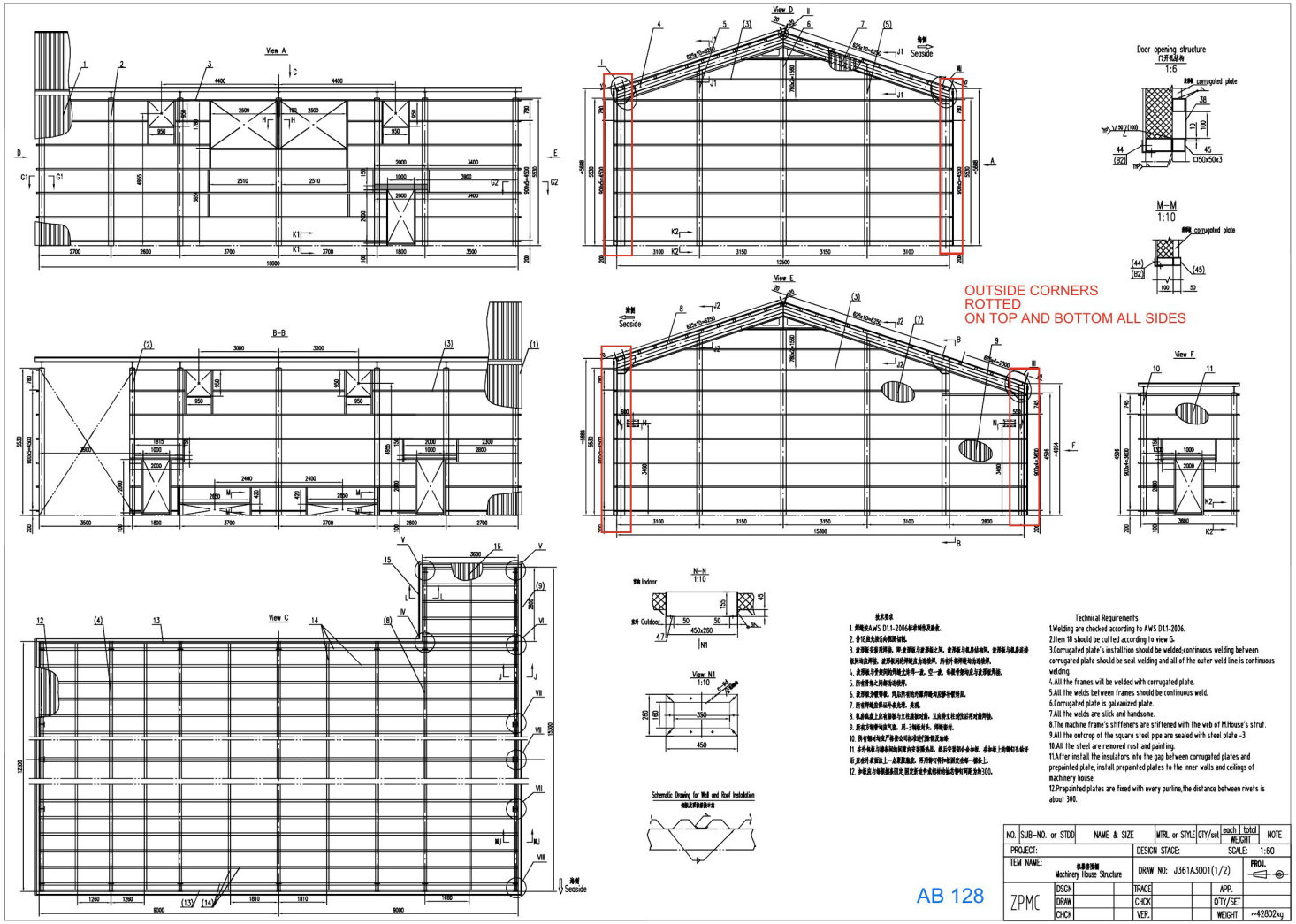


技术要求

1.固定钩头为锻制而成;
2.打棱,磨光;
3.按本图所示部位覆盖非金属层;
4.没有非金属层的地方,要按油漆工艺油漆;
5.非金属层(三元乙丙胶)与钢要结合牢固;
6.非金属层性能应达到以下要求:
a.常用时温度上限为100°c;
b.脆性温度为不高于-50°c;
c.耐老化,耐磨,抗撕裂性能要好;
d.有一定的耐油性.
以上性能至少保证五年

H	A	L	单重	件数
45	50	148	0.1	100
70	100	223	0.15	10
75	100	228	0.15	300
95	100	248	0.2	700
135	100	288	0.2	980

更改及日期	设计/DSGN	校对/CHKD		图幅/FORMAT
	日期/DATE	日期/DATE		
	材料/MAT 不锈钢316	比例/SCALE	图名/DRAWING NAME 固定钩 HOOK	
	单重/WEI			
修改标志	ZPMC 上海振华港机公司		图号/DRAWING NO. J361A-GD0102D	版本/REV 页号/PAGE



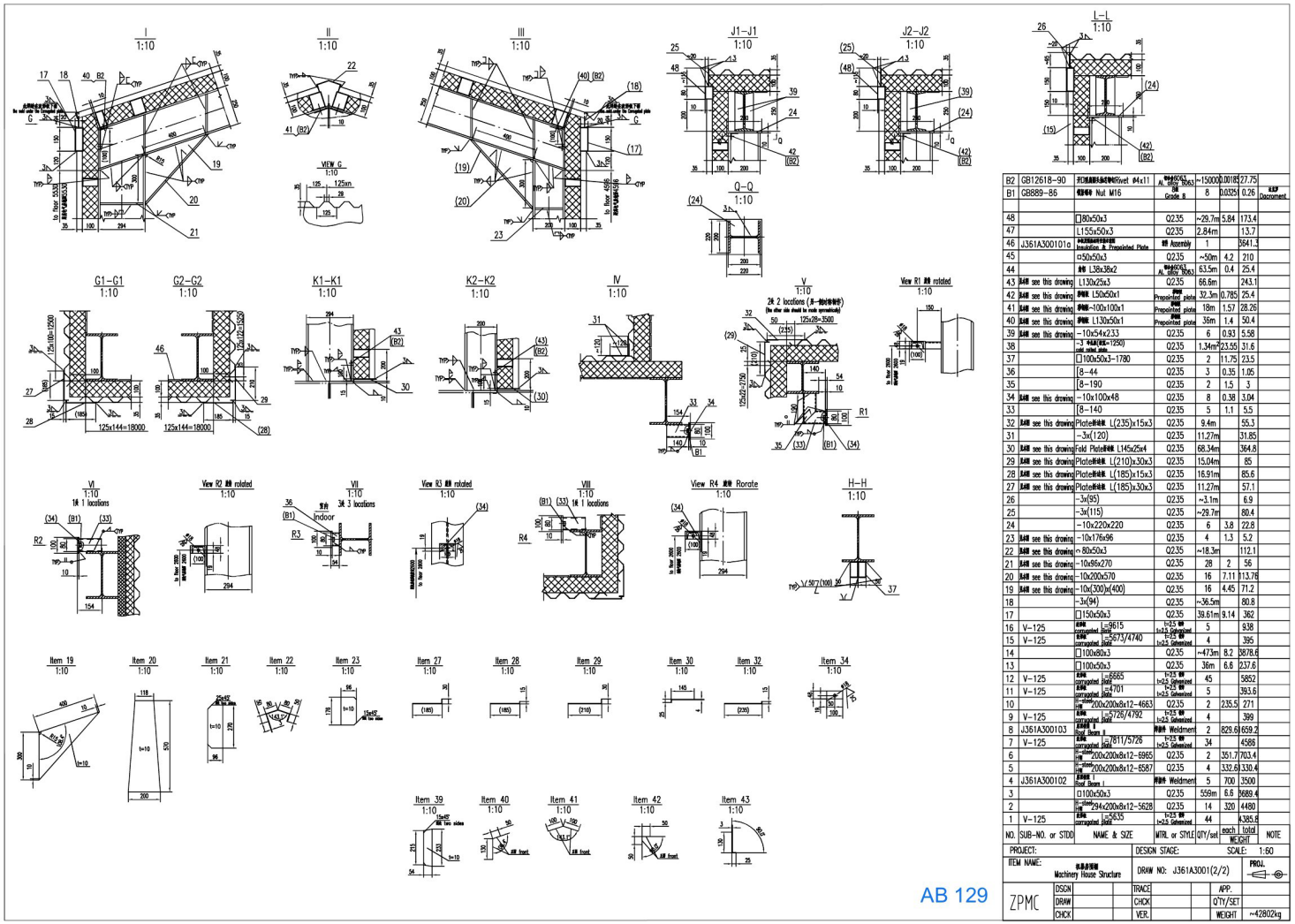
技术要求

1. 焊缝按AWS D1.1-2006标准制作及检查。
2. 件号18是封闭的需围焊缝。
3. 波形板安装用焊接，即波形板与波形板之间，波形板与檩条结构间，波形板与檩条墙板间应连焊接，波形板间的焊缝及为电镀焊，所有外围焊缝均为电镀焊。
4. 波形板与骨架间的结构焊缝七处焊一道，空一道，每跨骨架间应与波形板焊接。
5. 所有骨架之间应为连续焊。
6. 波形板之间要焊接，两边所有结构件都需焊电镀层保护修补。
7. 所有焊缝表面应平整光滑，美观。
8. 机房高度上段采用型号方形截面对接，互连接主柱对比后用对接焊接。
9. 所有方钢管与连气管，用-3钢板封头，焊缝密封。
10. 所有钢材均在产品出厂前进行除锈和打防锈底油漆
11. 在外包板与墙板间结构固件安装隔热条，组压安装结合全加固，在加固上的铆钉孔也应在后，复合外表面加上一点聚氨酯胶，用来防止有外面到室内漏风之处有一圈涂上。
12. 加固层与每根檩条固定，固定形式作成结构加强型钢间距为300。

Technical Requirements

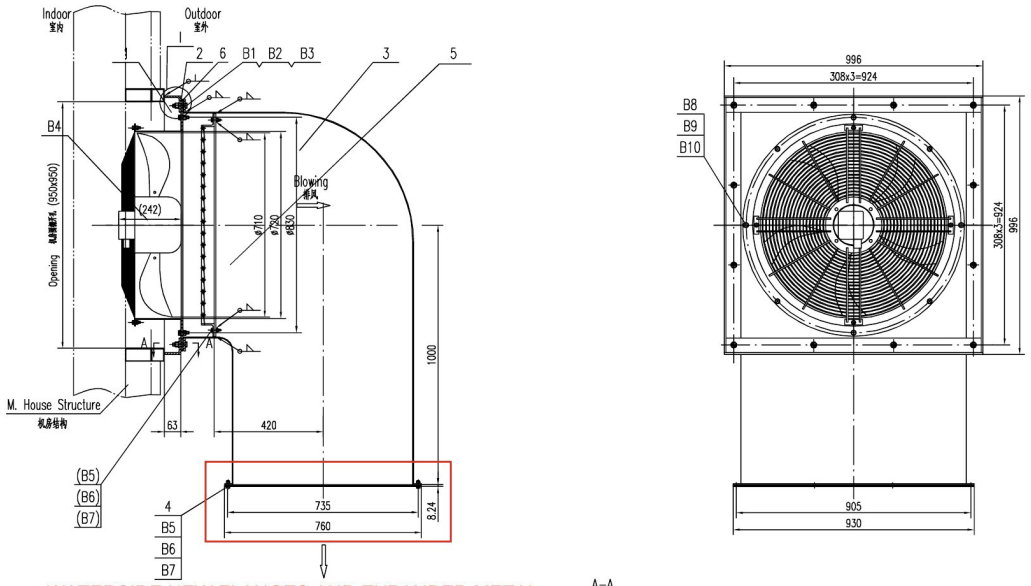
1.Welding are checked according to AWS D1.1-2006.
2.Item 18 should be cutted according to view G.
3.Corrugated plate's installtion should be welded,continuous welding between corrugated plate should be seal welding and all of the outer weld line is continuous welding.
4.All the frames will be welded with corrugated plate.
5.All the welds between frames should be continuous weld.
6.Corrugated plate is galvanized plate.
7.All the welds are slick and handsome.
8.The machine frame's stiffeners are stiffened with the web of M.House's strut.
9.All the outcrop of the square steel pipe are sealed with steel plate -3.
10.All the steel are removed rust and painting.
11.After install the insulators into the gap between corrugated plates and prepainted plate, install prepainted plates to the inner walls and ceilings of machinery house.
12.Prepainted plates are fixed with every purline,the distance between rivets is about 300.

NO.	SUB-NO. or STDD	NAME & SIZE	WTRL or STYLE	QTY/set	each WEIGHT	total WEIGHT	NOTE
PROJECT:			DESIGN STAGE:		SCALE: 1:60		
ITEM NAME: 机房承重梁 Machinery House Structure			DRAW NO: J361A3001(1/2)			PROJ.	
ZPMC	DSGN		TRACE		APP.		
	DRAW		CHCK		Q'TY/SET		
	CHCK		VER.		WEIGHT	≈42802kg	



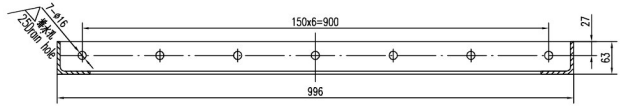
B2	GB12618-90	沉头抽芯铝铆钉 Rivet 04x11	Al. alloy 5052	~15000	0.00185	27.75		
B1	GB889-86	六角螺母 Nut M16	8级 Grade 8	8	0.0325	0.26	备用 Reserved	
48		□80x50x3	Q235	~29.7m	5.84	173.4		
47		L155x50x3	Q235	2.84m		13.7		
46	J361A300101a	保温及预埋板 Insulation & Prepainted Plate	组件 Assembly	1		3641.3		
45		=50x50x3	Q235	~50m	4.2	210		
44		角钢 L38x38x2	Al. alloy 5052	63.5m	0.4	25.4		
43	详见 see this drawing	L130x25x3	Q235	66.6m		243.1		
42	详见 see this drawing	预埋板 L50x50x1	预埋板 Prepainted plate	32.3m	0.785	25.4		
41	详见 see this drawing	预埋板 -100x100x1	预埋板 Prepainted plate	18m	1.57	28.26		
40	详见 see this drawing	预埋板 L130x50x1	预埋板 Prepainted plate	36m	1.4	50.4		
39	详见 see this drawing	-10x54x233	Q235	6	0.93	5.58		
38		-3 共4块(其中-1250 cut into two	Q235	1.34m²	23.55	31.6		
37		□100x50x3-1780	Q235	2	11.75	23.5		
36		[8-44	Q235	3	0.35	1.05		
35		[8-190	Q235	2	1.5	3		
34	详见 see this drawing	-10x100x48	Q235	8	0.38	3.04		
33		[8-140	Q235	5	1.1	5.5		
32	详见 see this drawing	Plate拼接板 L(235)x15x3	Q235	9.4m		55.3		
31		-3x(120)	Q235	11.27m		31.85		
30	详见 see this drawing	Fold Plate折板 L145x25x4	Q235	68.34m		364.8		
29	详见 see this drawing	Plate拼接板 L(210)x30x3	Q235	15.04m		85		
28	详见 see this drawing	Plate拼接板 L(185)x15x3	Q235	16.91m		85.6		
27	详见 see this drawing	Plate拼接板 L(185)x30x3	Q235	11.27m		57.1		
26		-3x(95)	Q235	~3.1m		6.9		
25		-3x(115)	Q235	~29.7m		80.4		
24		-10x220x220	Q235	6	3.8	22.8		
23	详见 see this drawing	-10x176x96	Q235	4	1.3	5.2		
22	详见 see this drawing	=80x50x3	Q235	~18.3m		112.1		
21	详见 see this drawing	-10x96x270	Q235	28	2	56		
20	详见 see this drawing	-10x200x570	Q235	16	7.11	113.76		
19	详见 see this drawing	-10x(300)x(400)	Q235	16	4.45	71.2		
18		-3x(94)	Q235	~36.5m		80.8		
17		□150x50x3	Q235	39.61m	9.14	362		
16	V-125	波纹板 L=9615 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	5		938		
15	V-125	波纹板 L=5673/4740 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	4		395		
14		□100x80x3	Q235	~473m	8.2	3878.6		
13		□100x50x3	Q235	36m	6.8	237.6		
12	V-125	波纹板 L=6665 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	45		5852		
11	V-125	波纹板 L=4701 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	5		393.6		
10		焊接 H=200x200x8x12-4663	Q235	2	235.5	271		
9	V-125	波纹板 L=5726/4792 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	4		399		
8	J361A300103	屋面梁 I Roof Beam I	焊接 Weldment	2	829.6	659.2		
7	V-125	波纹板 L=7811/5726 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	34		4586		
6		焊接 H=200x200x8x12-6965	Q235	2	351.7	703.4		
5		焊接 H=200x200x8x12-8587	Q235	4	332.6	330.4		
4	J361A300102	屋面梁 I Roof Beam I	焊接 Weldment	5	700	3500		
3		□100x50x3	Q235	559m	6.8	3689.4		
2		焊接 H=294x200x8x12-5628	Q235	14	320	4480		
1	V-125	波纹板 L=5835 corrugated plate	t=2.5 镀锌板 t=2.5 Galvanized	44		4385.6		
NO.	SUB-NO. or STDD	NAME & SIZE	WTRL or STYLE	QTY/set	each	total	NOTE	
					WEIGHT			

PROJECT:			DESIGN STAGE:			SCALE: 1:60	
ITEM NAME: 机房结构 Machinery House Structure			DRAW NO: J361A3001(2/2)			PROJ.	
ZPMC	DSGN		TRACE		APP.		
	DRAW		CHCK		Q'TY/SET		
	CHCK		VER.		WEIGHT	~42802kg	



WATERSIDE NEW FLANGES AND EXPANDED METAL NEED TO BE INSTALLED

A–A
1:5(旋转 Rotated)



技术要求

1. 件1与件2的螺栓孔配钻,件3与件4的螺栓孔配钻.

Technical Requirement

1.The bolt holes of item 1 & 2 should be match drilled with item 3 & 4.

Main Data 主参数

Fan Model 风机型号		ebm A3G710-AB06-04
Direction 风向		Blowing 吸风
Power 电源	Frequency 频率	60 Hz
	Voltage 电压	480 VAC (3~)
Speed 电机转速		1230 rpm
Airflow Volumn 风量		~21000 m^3/h
Noice Level 噪音等级		77 (dBA)
Protection 防护等级		IP54
Isolation 绝缘等级		F Grade F级
Ambient Temp. 环境温度		-40 ~ +60 °C
		UL

NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	WEIGHT each	WEIGHT total	NOTE
B3	GB95-85	Washer 垫圈 12	St. Steel 不锈钢 A2-70	24			
B2	GB889-86	Nut 螺母 M12	St. Steel 不锈钢 A2-70	24			
B1	GB5783-86	Bolt 螺栓 M12x46	St. Steel 不锈钢 A2-70	12			
6	J361A300406	Flange 法兰盘	Q235	1		19.7	
5	J361A300405	Active Shutter 活动百叶窗	Assembly 组件	1		6	
4	J361A300404	Filter Mesh 过滤网	Assembly 组件	1		7.4	
3	J361A300403	Hood 风机罩壳	Weldment 焊接件	1		126.3	
2	J361A300402	Rubber Cushion 橡胶垫	Rubber 橡胶	1		0.7	
1	J361A300401	Seat 底圈	Weldment 焊接件	1		22.6	

NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	WEIGHT each	WEIGHT total	NOTE
B7	GB95-85	Washer 垫圈 8	St. Steel 不锈钢 A2-70	32			
B6	GB889-86	Nut 螺母 M8	St. Steel 不锈钢 A2-70	22			
B5	GB5783-86	Bolt 螺栓 M8x30	St. Steel 不锈钢 A2-70	22			
B4		Fan 排风扇	ebm 4D710	1		4.3	

PROJECT:

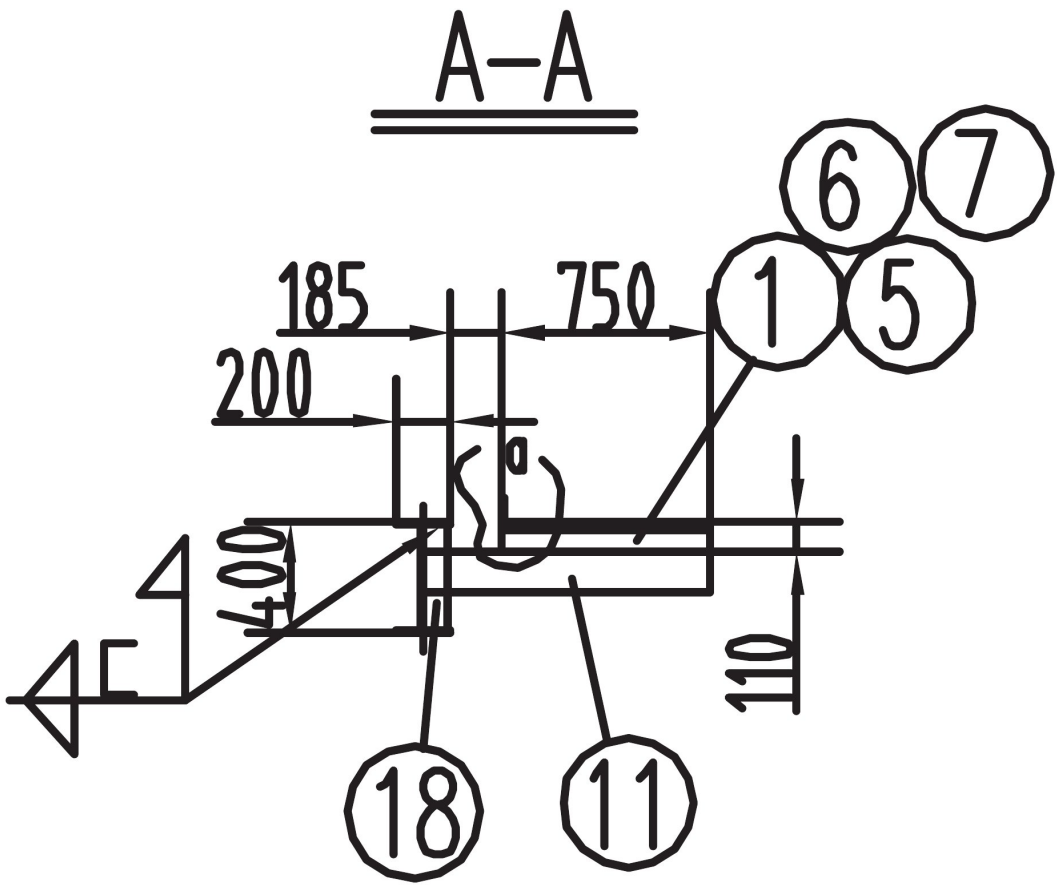
DESIGN STAGE: SCALE: 1:10

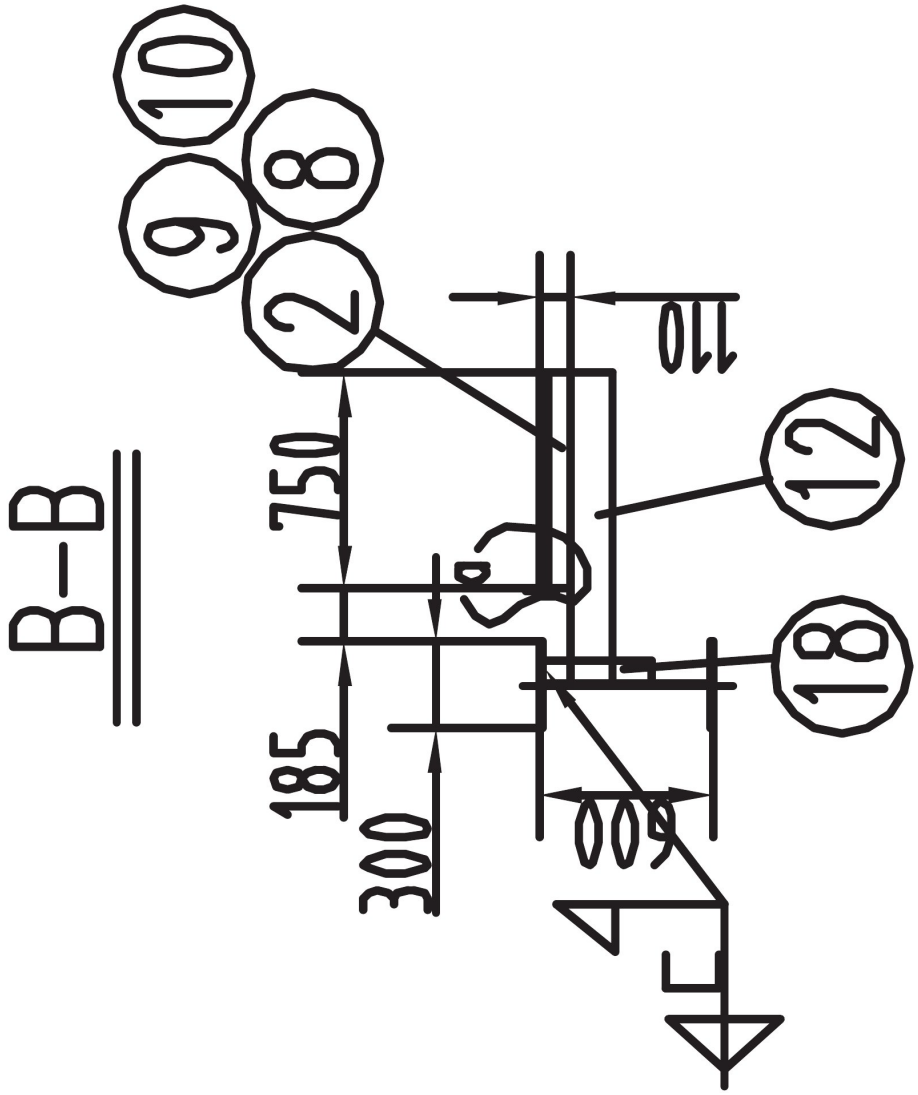
ITEM NAME: ø762 排风扇 Ventilation Fan (Exhaust)

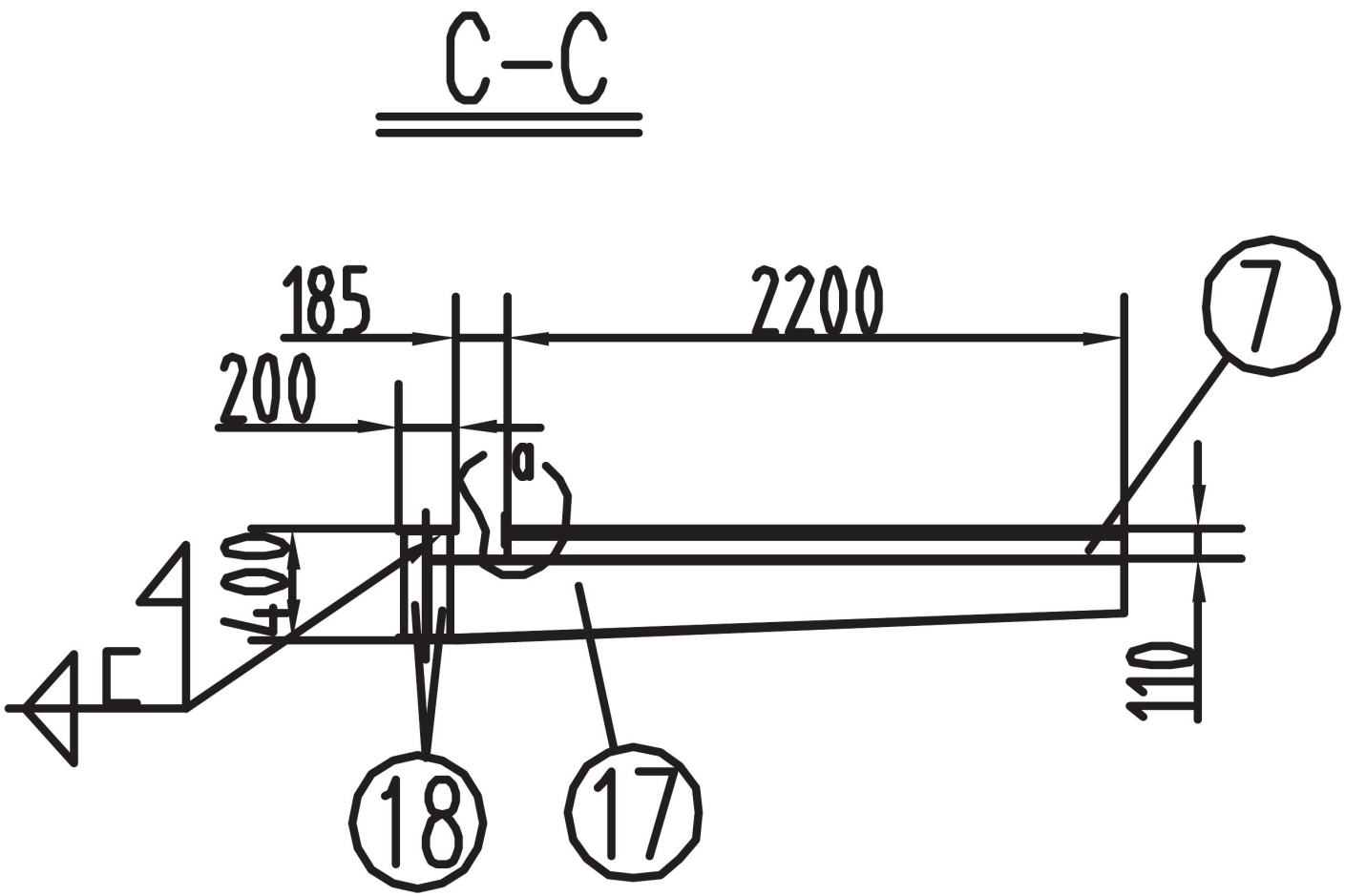
DRAW NO: J361A3004 AB 132

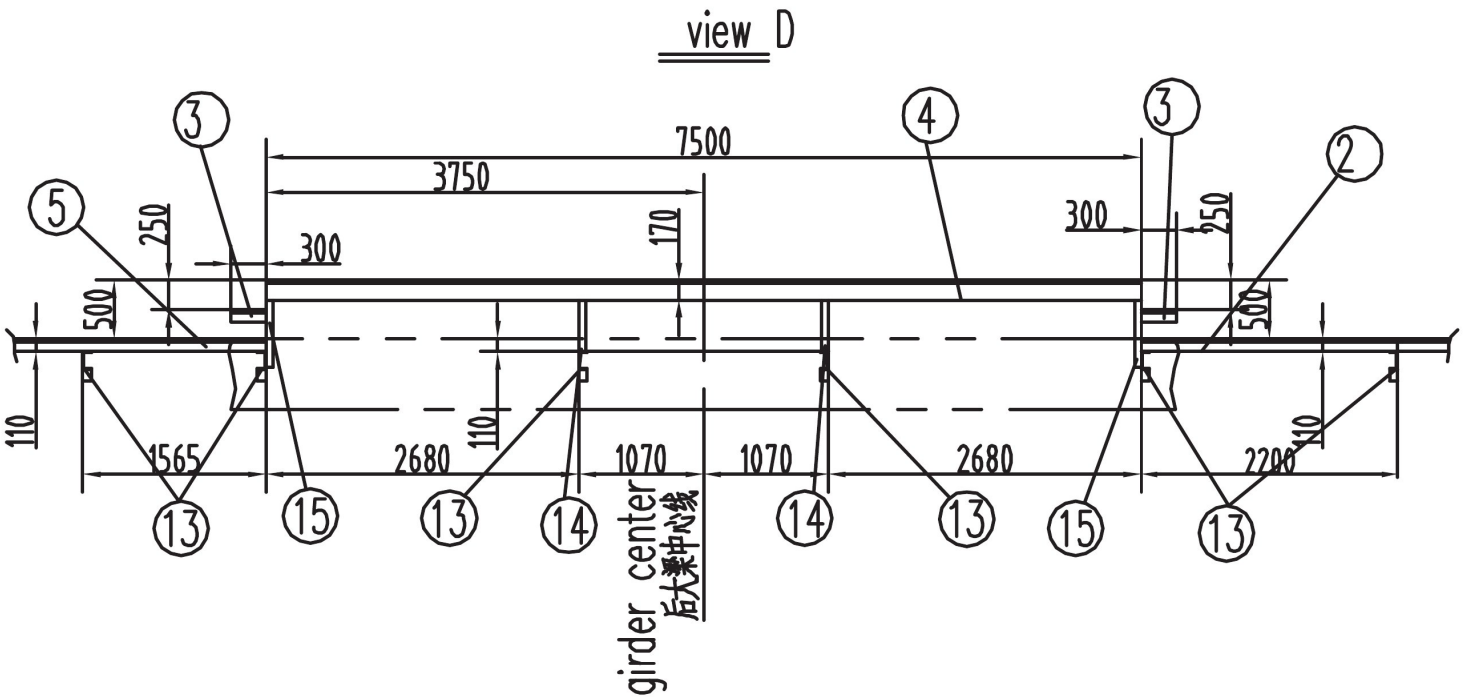
ZPMC

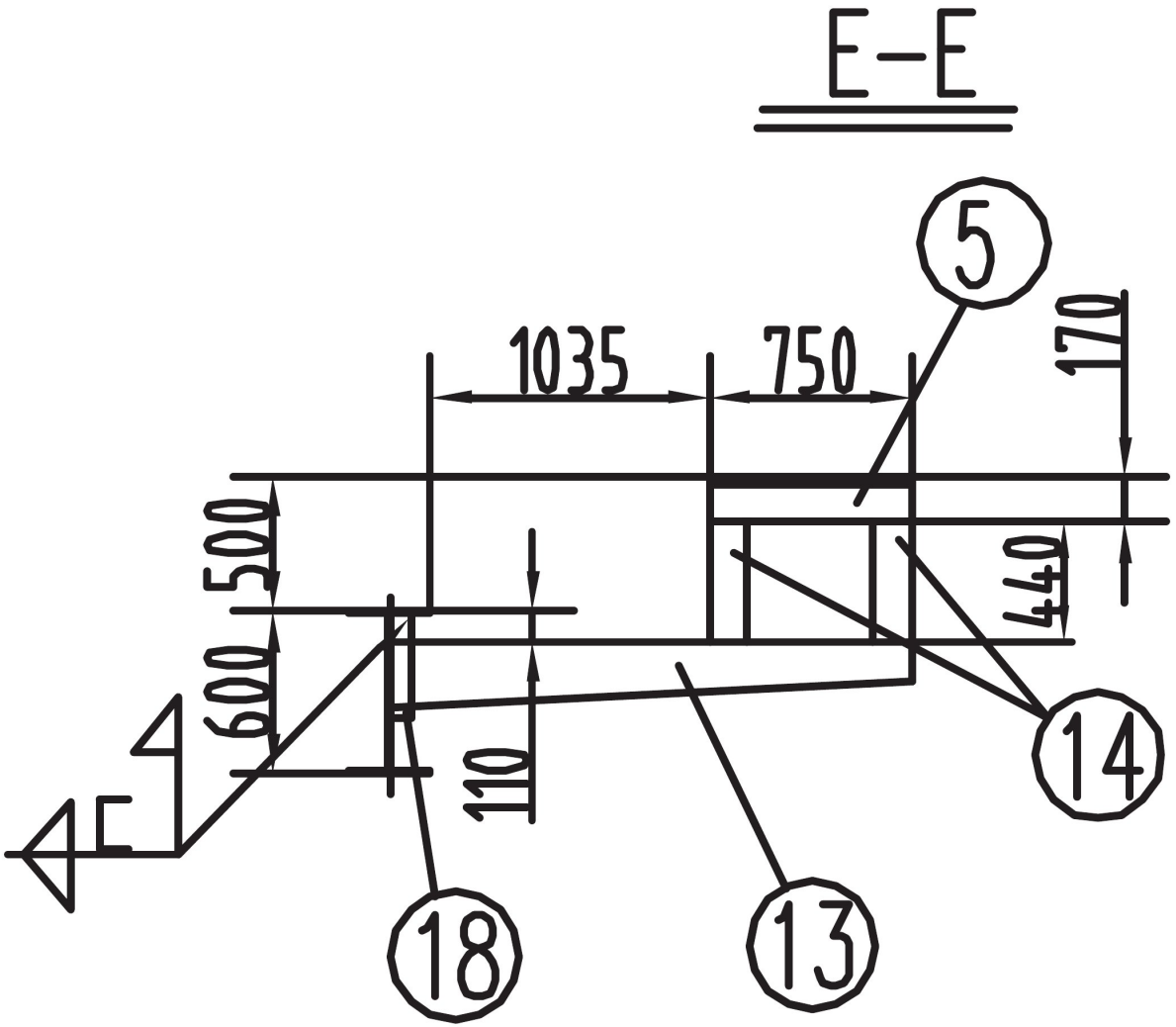
DSGN		TRACE		APP.	
DRAW		CHCK		Q'TY/SET	
CHCK		VER.		WEIGHT	~226kg/set

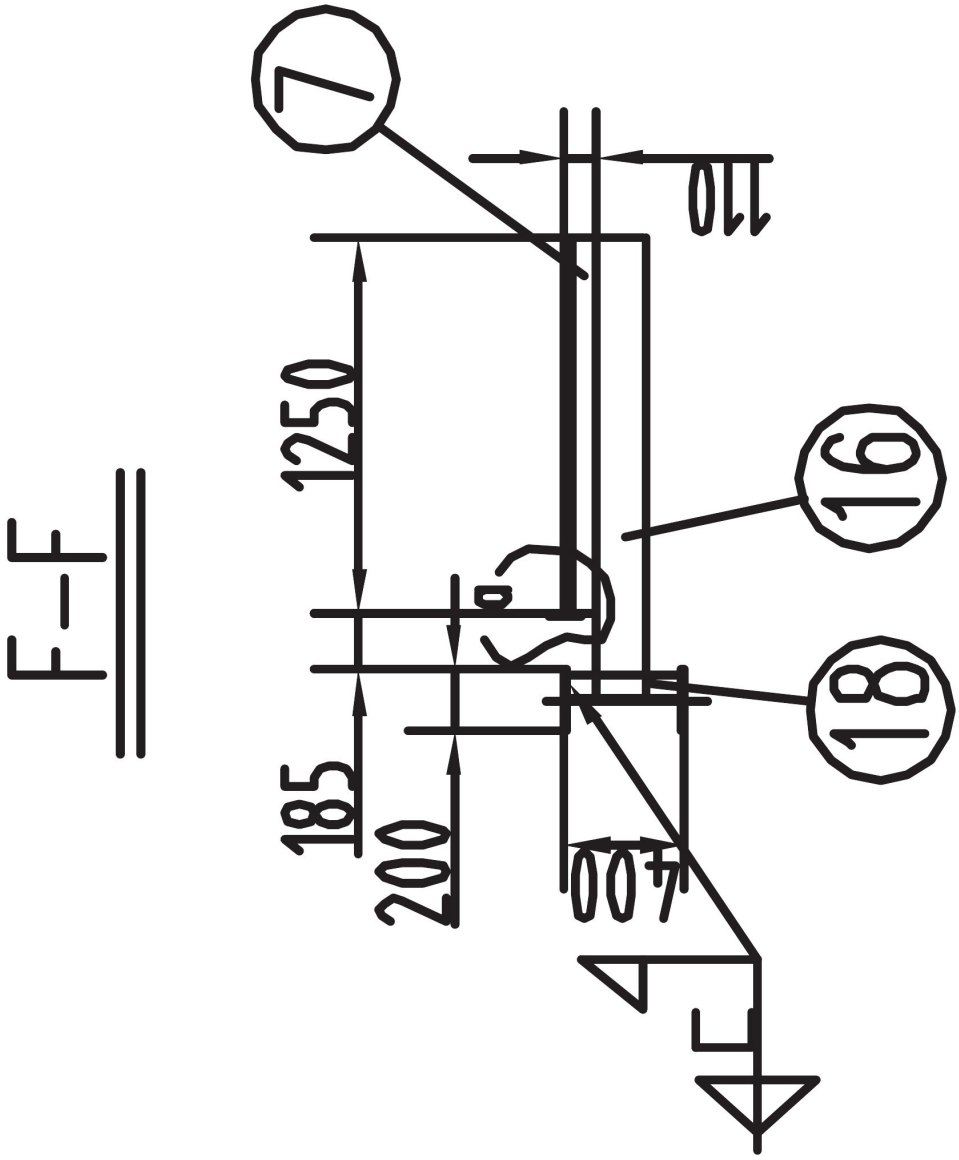

А–А
6
7
1
5
185
750
200
400
110
18
11


B–B
10
9
8
2
110
750
12
18
185
300
009


C–C
185
2200
200
a
400
110
7
18
17


view D
7500
3750
300
170
300
250
250
500
500
110
110
110
1565
2680
1070
1070
2680
2200
girder center
后大梁中心线
5
3
4
3
2
13
15
13
14
14
13
15
13

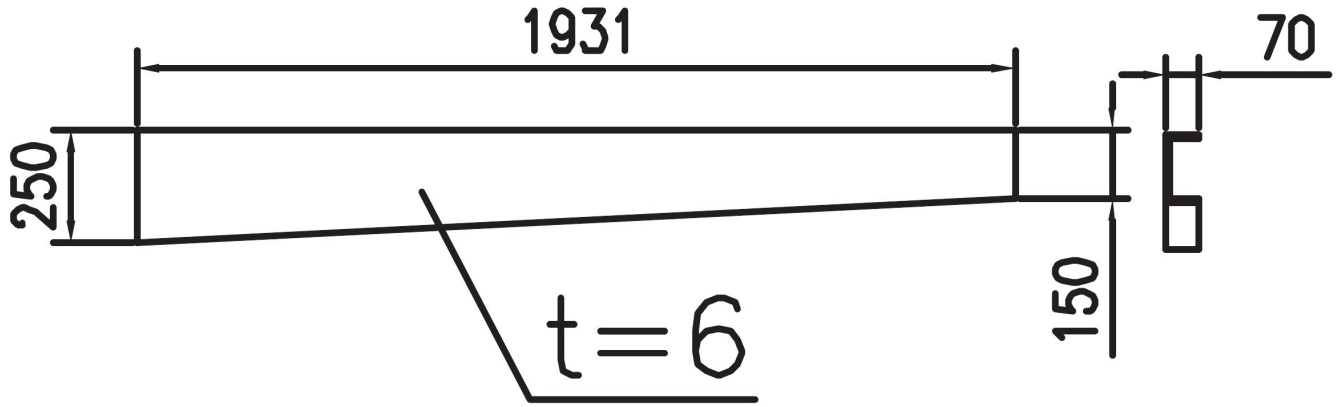

Е–Е
5
1035
750
170
500
600
110
440
14
18
13
Г


F–F
7
110
1250
16
18
185
200
Ø7
F

item件13

共6件(其中3件对称)

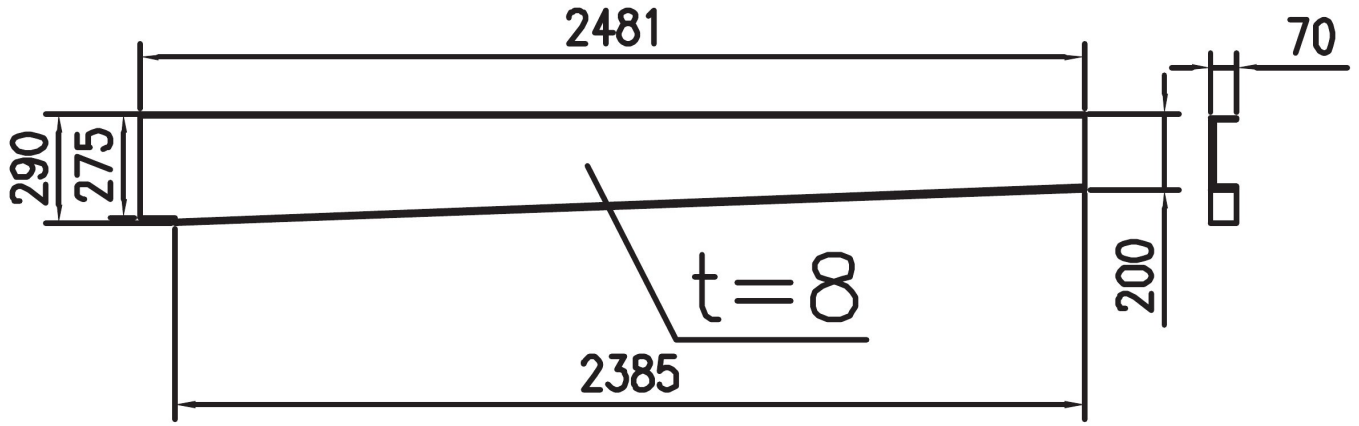
6 pieces (3 symmetry)



item件17

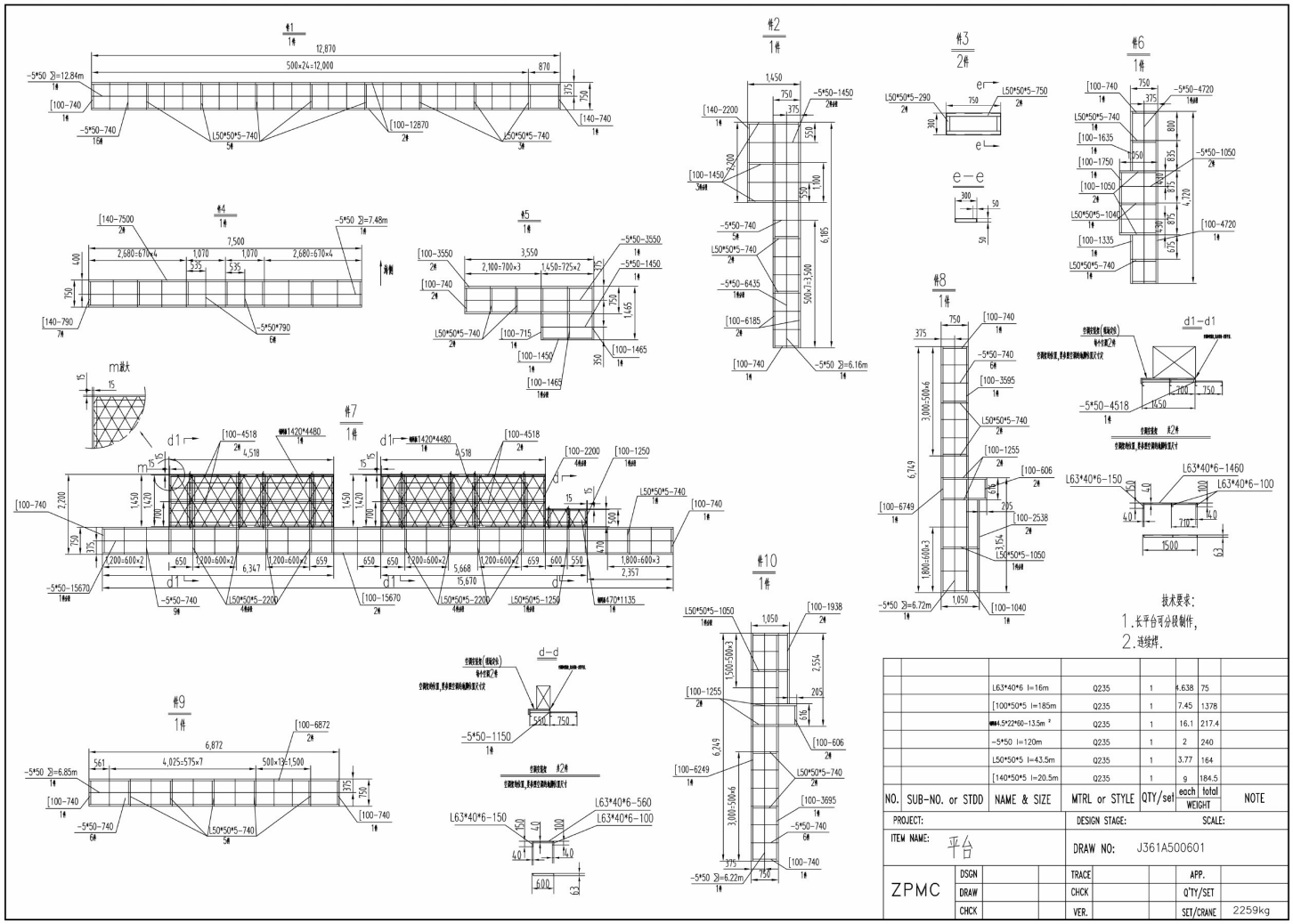
共8件(其中4件对称)

8 pieces (4 symmetry)



a放大
b向
5
20
50
130
5
100或140
平台
4
4
35
5
5
40

ZPMC Drawing J361A500601 — Platform — Original | Bilingual translation key on following page



NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each	total	NOTE
					WEIGHT		
		L63*40*6 l=16m	Q235	1	4.638	75	
		[100*50*5 l=185m	Q235	1	7.45	1378	
		钢板4.5*22*60-13.5m²	Q235	1	16.1	217.4	
		-5*50 l=120m	Q235	1	2	240	
		L50*50*5 l=43.5m	Q235	1	3.77	164	
		[140*50*5 l=20.5m	Q235	1	9	184.5	

PROJECT:		DESIGN STAGE:		SCALE:
ITEM NAME: 平台		DRAW NO:	J361A500601	
ZPMC	DSGN	TRACE	APP.	
	DRAW	CHCK	QTY/SET	
	CHCK	VER.	SET/CRANE	2259kg

J361A500601 — Bilingual Translation Key

Drawing J361A500601 · Platform · ZPMC · 2,259 kg/set · Q235 throughout.
Original drawing left intact (preceding page). Standard notes cross-checked against parent J361A5006 bilingual text. Member call-outs follow GB notation. Pinyin shown without tone marks.

ZONE	CHINESE	PINYIN	ENGLISH
TITLE BLOCK	平台	*pingtai*	Platform (item / assembly name)
TITLE BLOCK	钢材品种 / 材质	*gangcai pinzhong / caizhi*	Steel type / Material grade
TECH REQ	技术要求	*jishu yaoqiu*	Technical Requirements
TECH REQ 1	长平台可分段制作	*chang pingtai ke fenduan zhizuo*	Long platforms may be fabricated in segments (sub-sections)
TECH REQ 2	连续焊	*lianxu han*	Continuous weld(s)
QTY UNIT	件	*jian*	piece(s) / pc(s) — quantity (e.g. 9 ■ = 9 pcs)
PANEL #7	钢网板	*gang wang ban*	Steel grating panel (e.g. grating 1420×4480)
PANEL #7	分段	*fenduan*	in segments / segmented (e.g. 4 pcs, segmented)
A/C FRAME	空调安装架	*kongtiao anzhuang jia*	Air-conditioner mounting frame
A/C FRAME	现场定位	*xianchang dingwei*	field-located / positioned on site
A/C FRAME	每个空调 2件 / 共 2件	*mei ge kongtiao 2 jian / gong 2 jian*	2 pcs per A/C unit / 2 pcs total
A/C FRAME	空调架的位置，要参照空调的地脚位置尺寸	*kongtiaojia ... dijiao weizhi chicun*	A/C frame position to be set per the A/C anchor-foot (footing) position dimensions
SECTION	断 / 剖	*duan / pou*	Section / cut (e.g. m■ a■ b■ = Section m / a-a / b-b)
SECTION		—	d-d / d1-d1 = Section d-d / d1-d1 (A/C clip connection details)

Member designation legend (GB notation)

[100×50×5	cold-formed channel 100×50×5 mm — dominant framing member (185 m/set), primary hook-bearing section
[140×50×5	cold-formed channel 140×50×5 mm (framing and support arms)
[14a	GB hot-rolled channel No. 14a (support arm)
L50×50×5	equal-leg angle 50×50×5 mm (grating bearers)
L63×40×6	unequal-leg angle 63×40×6 mm (connection clips / A/C frame)
-5×50	flat bar 5 mm thick × 50 mm wide (framing)
-8×80	flat bar 8 mm thick × 80 mm wide (support-arm stiffener)
▤4.5×22×60	steel grating ~4.5 bearing-bar ×22×60 (galvanized; reused, not replaced)
profile-NNN	trailing number after a profile = member length in mm (e.g. [100-4518 = 4518 mm long)

High confidence on standard notes (cross-checked vs parent J361A5006 bilingual text) and title block; A/C-frame notes and section labels verified at high-res render.
Reference aid for Port Freeport Walkway Corrosion Repair only — the original Chinese drawing governs.

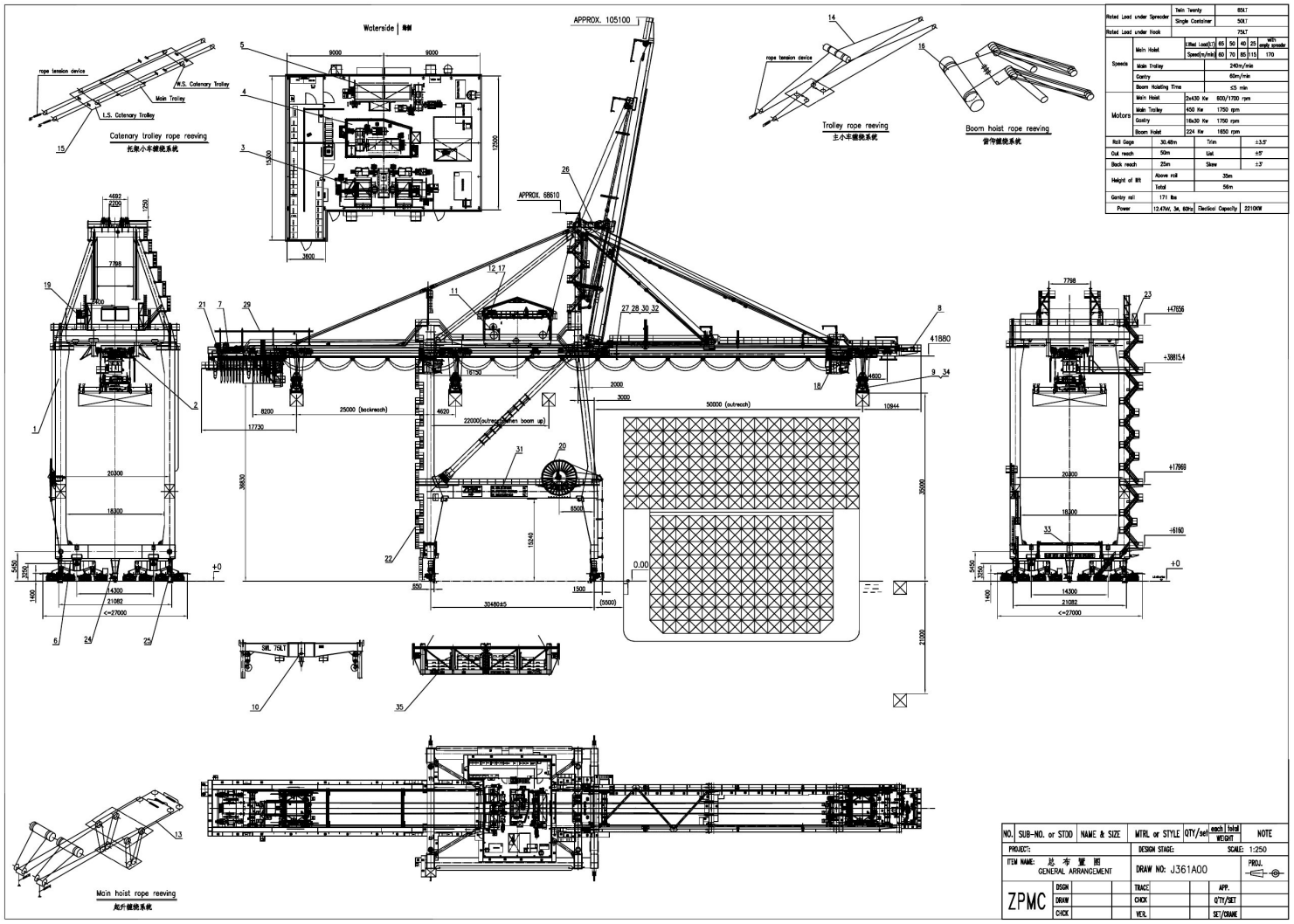
EXHIBIT B – REFERENCE DRAWINGS

The following ZPMC as-built drawings are provided for reference and are included following this list. The Contractor is responsible for verifying applicability of each drawing to the affected Cranes prior to fabrication.

• J361A00 — General Arrangement

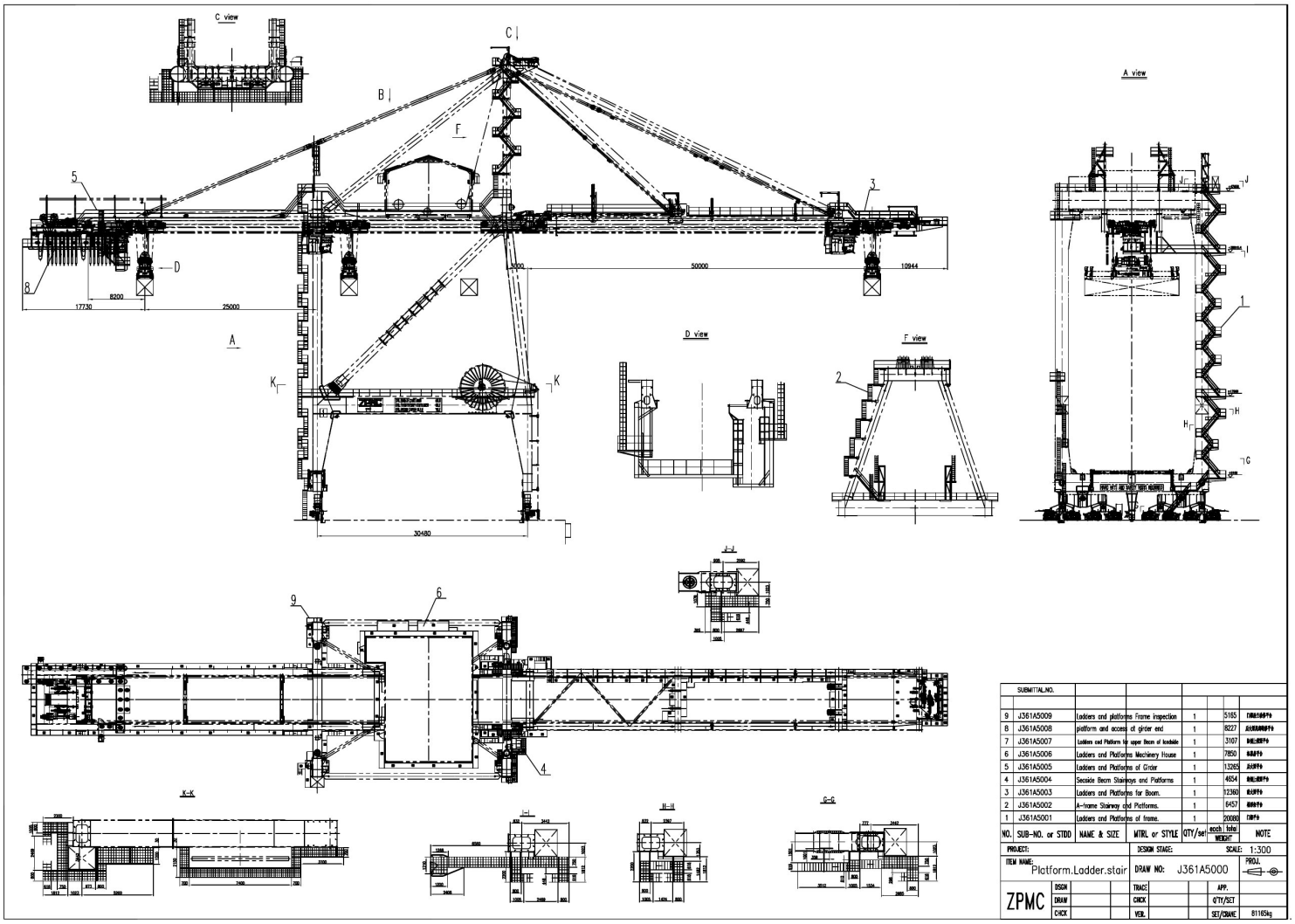
• J361A5000 — Walkway, stair, platform and ladder system (parent assembly)

Note: All drawings in this package carry title-block references to "Anchorage Terminal 65LT Container Cranes, Alaska." These Cranes were originally designed and built by ZPMC for Horizon Lines at the Port of Anchorage, Alaska (approximately 2008), and were subsequently purchased by Port Freeport without having entered service at Anchorage. The Anchorage references are therefore authentic to these specific Cranes, and the drawings shall be treated as the applicable as-built documentation. Contractor shall confirm with Owner's Engineer if any specific provision appears inapplicable to Port Freeport conditions prior to fabrication.



Rated Load under Spreader		Twin Twenty					80LT	
		Single Container					50LT	
Rated Load under Hook							75LT	
Speeds	Main Hoist	Lifted Load(LT)	65	50	40	25	with empty spreader	
		Speed(m/min)	60	70	85	115	170	
	Main Trolley						240m/min	
	Gantry						60m/min	
	Boom Hoisting Time						≤5 min	
Motors	Main Hoist	2x430 Kw					600/1700 rpm	
	Main Trolley	450 Kw					1750 rpm	
	Gantry	16x30 Kw					1750 rpm	
	Boom Hoist	224 Kw					1650 rpm	
Rail Gage		30.48m		Trim			±3.5°	
Out reach		50m		List			±5°	
Back reach		25m		Skew			±3°	
Height of lift		Above rail		35m				
		Total		56m				
Gantry rail		171 lbs						
Power		12.47kV, 3ø, 60hz		Electical Capacity			2210KW	

NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each WEIGHT	total WEIGHT	NOTE
PROJECT:			DESIGN STAGE:		SCALE: 1:250		
ITEM NAME: 总布置图 GENERAL ARRANGEMENT			DRAW NO: J361A00				PROJ.
ZPMC	DSGN		TRACE		APP.		
	DRAW		CHCK		QTY/SET		
	CHCK		VER.		SET/CRANE		



SUBMITTAL NO.							
9	J361A5009	Ladders and platforms Frame inspection		1		5185	
8	J361A5008	platform and access at girder end		1		8227	
7	J361A5007	Ladders and Platforms for upper Boom at knuckle		1		3107	
6	J361A5006	Ladders and Platforms Machinery House		1		7850	
5	J361A5005	Ladders and Platforms of Girder		1		13265	
4	J361A5004	Seaside Boom Stairways and Platforms		1		4654	
3	J361A5003	Ladders and Platforms for Boom.		1		12360	
2	J361A5002	A-frame Stairway and Platforms.		1		6457	
1	J361A5001	Ladders and Platforms of frame.		1		20080	
NO.	SUB-NO. or STDD	NAME & SIZE	MTRL or STYLE	QTY/set	each	total WEIGHT	NOTE

PROJECT:			DESIGN STAGE:			SCALE:	1:300
ITEM NAME:	Platform.Ladder.stair		DRAW NO:	J361A5000		PROJ.	
ZPMC	DSGN		TRACE			APP.	
	DRAW		CHCK			QTY/SET	
	CHCK		VER.			SET/CRANE	811654kg

EXHIBIT C - PROPOSAL PRICING FORM

Repair and/or Replacement of Walkway and Stairway Platforms and Support — ZPMC STS Cranes No. 1 and No. 2 — Port Freeport, Texas

Proposer (Company Name): _____

Address: _____

Contact Name / Title: _____ Phone: _____

Email: _____ Date of Proposal: _____

Proposals are due on the date and at the time stated in the RFP Timetable. Submit a sealed proposal to Port Freeport at the address in Proposal Submissions. Email submission to PBA does not satisfy this RFP.

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE ($)	AMOUNT ($)
A — GENERAL REQUIREMENTS AND INDIRECTS					
A.1	Crane No. 1 — mobilization/demobilization; access (man-lift, scaffold or rope access); supervision; safety, hot-work permits and fire watch per §3.1.9; tools, equipment and consumables; transportation, lodging and per diem; Erection/Laydown area; protection of adjacent components per §3.1.10; removal, storage and reinstallation of grating panels and FIXING clamp assemblies; documentation and turnover records per §3.2.10.	LS	1		
A.2	Crane No. 2 — same as Item A.1.	LS	1		
A.3	Joint field survey, inspection and evaluation of all scope areas on both Cranes per §3.2.2 and §3.2.11(b), including written findings with a repair-in-place or replacement recommendation for each Option A/B item.	LS	1		
B — CRANE NO. 1					
J361A5001 — Frame Stairs and Platform (Exhibit C, Sheet AB 143)					
B.1	Operator cab access — replace vertical support channels.	LS	1		
B.2	Lower walkway platform — repair in place.	LS	1		
B.3A	Stairway support, Item 24 — Option A: repair in place.	each	6		
B.3B	Stairway support, Item 24 — Option B: replace totally.	each	6		
B.4A	Stairway support, Item 25 — Option A: repair in place.	each	1		
B.4B	Stairway support, Item 25 — Option B: replace totally.	each	1		
B.5A	Stairway support, Item 26 — Option A: repair in place.	each	3		
B.5B	Stairway support, Item 26 — Option B: replace totally.	each	3		
B.6A	Stairway support, Item 27 — Option A: repair in place.	each	1		
B.6B	Stairway support, Item 27 — Option B: replace totally.	each	1		
B.7	Replace angle iron welded on supports attached to the elevator personnel cage.	LS	1		
B.8	Replace thresholds at doors.	LS	1		

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE ($)	AMOUNT ($)
J361A500300 — Platforms of Boom (Exhibit C, Sheet AB 145)					
B.9A	Walkway platform from hinge area to first boom hoist sheave beam — Option A: repair in place.	LS	1		
B.9B	Walkway platform from hinge area to first boom hoist sheave beam — Option B: replace entire walkway platform.	LS	1		
J361A5005 — Platform of Girder (Exhibit C, Sheet AB 147)					
B.10A	Platform at right-hand side of backreach girder, machinery house to landside leg — Option A: repair in place.	LS	1		
B.10B	Platform at right-hand side of backreach girder, machinery house to landside leg — Option B: replace.	LS	1		
J361A5006 — Platform of Machinery House (Exhibit C, Sheet AB 148)					
B.11A	Interior hoist hatch sliding apparatus and support system — Option A: remove hatch cover, inspect wheels, inspect and replace angle iron as needed, and repair in place for smooth opening/closing.	LS	1		
B.11B	Interior hoist hatch sliding apparatus and support system — Option B: replace sliding apparatus totally.	LS	1		
B.12A	Waterside walkway platform and supports — Option A: repair in place.	LS	1		
B.12B	Waterside walkway platform and supports — Option B: total replacement.	LS	1		
J361A3001 (1/2) and (2/2) Machinery House Structure (Exhibit C, Sheets AB 128 and AB 129)					
B.13	Replace corner covers from floor to ceiling.	each corner	4		
J361A3004 — Ventilation Fan (Exhaust) (Exhibit C, Sheet AB 132)					
B.14	Replace waterside flanges and expanded metal.	LS	1		
C — CRANE NO. 2					
J361A5001 — Frame Stairs and Platform (Exhibit C, Sheet AB 143) same scope as Crane No. 1					
C.1	Operator cab access — replace vertical support channels.	LS	1		
C.2	Lower walkway platform — repair in place.	LS	1		
C.3A	Stairway support, Item 24 — Option A: repair in place.	each	6		
C.3B	Stairway support, Item 24 — Option B: replace totally.	each	6		
C.4A	Stairway support, Item 25 — Option A: repair in place.	each	1		
C.4B	Stairway support, Item 25 — Option B: replace totally.	each	1		
C.5A	Stairway support, Item 26 — Option A: repair in place.	each	3		
C.5B	Stairway support, Item 26 — Option B: replace totally.	each	3		
C.6A	Stairway support, Item 27 — Option A: repair in place.	each	1		
C.6B	Stairway support, Item 27 — Option B: replace totally.	each	1		

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE ($)	AMOUNT ($)
C.7	Replace angle iron welded on supports attached to the elevator personnel cage.	LS	1		
C.8	Replace thresholds at doors.	LS	1		
J361A500300 — Platforms of Boom and J361A5005 — Platform of Girder: no scope on Crane No. 2.					
J361A5006 — Platform of Machinery House					
C.9A	Interior hoist hatch sliding covers/apparatus (same as Crane No. 1) Option A: remove hatch cover, inspect wheels, inspect and replace angle iron as needed, and repair in place for smooth opening/closing.	LS	1		
C.9B	Interior hoist hatch sliding covers/apparatus (same as Crane No. 1) Option B: replace sliding apparatus totally.	LS	1		
C.10A	Exterior walkway platform and support at north side of machinery house platform — Option A: repair in place.	LS	1		
C.10B	Exterior walkway platform and support at north side of machinery house platform — Option B: replace.	LS	1		
J361A3001 (1/2) and (2/2) Machinery House Structure — same as Crane No. 1					
C.11	Replace corner covers from floor to ceiling.	each corner	4		
J361A3004 — Ventilation Fan (Exhaust) same as Crane No. 1					
C.12	Replace waterside flanges and expanded metal.	LS	1		
TOTAL BID — OPTION A BASIS (all Section A, B and C items; "A" option where offered)					
TOTAL BID — OPTION B BASIS (all Section A, B and C items; "B" option where offered)					
D — UNIT RATES (for quantity adjustments and Change Orders; not included in Total Bid)					
D.1	FIXING clamp assembly, hook H = 45 mm — galvanized EPDM-coated hook, saddle plate, M8 bolt and locked washer, furnished and installed per §3.2.9.	each	—		
D.2	FIXING clamp assembly, hook H = 70 mm — galvanized EPDM-coated hook, saddle plate, M8 bolt and locked washer, furnished and installed per §3.2.9.	each	—		
D.3	FIXING clamp assembly, hook H = 75 mm — galvanized EPDM-coated hook, saddle plate, M8 bolt and locked washer, furnished and installed per §3.2.9.	each	—		
D.4	FIXING clamp assembly, hook H = 95 mm — galvanized EPDM-coated hook, saddle plate, M8 bolt and locked washer, furnished and installed per §3.2.9.	each	—		
D.5	FIXING clamp assembly, hook H = 135 mm — galvanized EPDM-coated hook, saddle plate, M8 bolt and locked washer, furnished and installed per §3.2.9.	each	—		
D.6	[100×50×5 channel — furnished, fabricated, installed and coated per Section 4.	per ft	—		
D.7	[140×50×5 channel — furnished, fabricated, installed and coated per Section 4.	per ft	—		
D.8	[14a channel — furnished, fabricated, installed and coated per Section 4.	per ft	—		
D.9	L50×50×5 angle — furnished, fabricated, installed and coated per Section 4.	per ft	—		
D.10	Miscellaneous structural plate and shapes (Q235 / ASTM A36) furnished, fabricated, installed and coated per Section 4.	per lb.	—		

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE ($)	AMOUNT ($)
D.11	Replacement steel grating panel (Change Order item per §6.1.3).	per sq ft	—		
D.12	Coating repair of existing steel, full system per §4.5 and §4.6.	per sq ft	—		
D.13	Structural welder / fitter.	per hour	—		
D.14	Supervisor.	per hour	—		
D.15	Man-lift with operator.	per day	—		

NOTES TO PROPOSER

1. Unit prices shall be all-in: labor, supervision, material, consumables, equipment, coating per Section 4, removal and disposal of existing material per §3.1.3, overhead and profit, unless a line item states otherwise.
2. Where Option A (repair in place) and Option B (replacement) are listed, the Contractor shall price both. Owner or Owner's Engineer will select one option per item after the joint field inspection (§3.2.2 and §3.2.11(b)); only the selected option will be paid.
3. Quantities are for bid only. Final quantities shall be confirmed by joint field survey per §3.2.2 and confirmed in writing before material procurement.
4. Material sourcing is the Contractor's responsibility; substitution requests per §3.2.7(b). Replacement members shall replicate the existing structural plating and sections per §3.2.7(a).
5. Topcoat color shall match the existing RAL 5010 (Gentian Blue) per §4.5, Note 3.
6. Section D unit rates will be used for quantity adjustments and Change Orders and are not included in the Total Bid.

Proposer acknowledges receipt of the Agreement and Specifications and any addenda: Addendum No(s). _____

Authorized Signature: _____ Name / Title: _____