



PER No.:	20-209
Tenant:	Westshore Terminals Limited Partnership
Project:	New Potash Export – Westshore
Project Location:	1 Roberts Bank, Delta
Vancouver Fraser Port Authority SID No.:	DEL034
Land Use Designation:	Port Terminal
Permit Holder(s):	Westshore Terminals Limited Partnership
Category of Review:	C
Date of Approval:	APRIL 11, 2022
Date of Expiry:	DECEMBER 31, 2026

PROJECT DESCRIPTION

For the purposes of this project permit, (the “Permit”), the Project is understood to include the following works on Vancouver Fraser Port Authority (“Port Authority”) property:

- Site preparation works comprising:
 - removal of existing asphalt in various locations
 - demolition of some existing coal handling infrastructure, including the existing coal handling conveyors and the coal surge bin
 - placement of preload for the potash storage building
 - removal or relocation of various site utilities
 - removal of preload material following a period of approximately 2 years (the “Site Preparation Work”)
- Construction of a new A-framed potash storage building (approximately 400 meters long by 70 meters wide by 40 meters high), including tripper conveyor and portal reclaimer located on the northwest corner of the site
- Construction of a new enclosed potash railcar dumper on the south side of the site, adjacent to the existing dumpers
- Modifications to the existing inbound rail system, including the removal of portions of the existing rail line
- Installation of a new section of inbound and outbound rail lines (approximately 700 meters) to connect the new railcar dumper to the existing inner rail loop
- Construction of new enclosed gallery style conveyors and transfer towers to transport potash to Berth 2
- Installation of dust collectors at conveyor transfer points
- Modifications to or replacement of the existing Berth 2 shiploader feed conveyors
- Removal of two existing quadrant-style shiploaders at Berth 2
- Installation of two new dual-purpose shiploaders at Berth 2 to allow for both potash and coal handling
- Installation of spout changeout towers at Berth 2
- Installation of two temporary barge landings
- Electrical infrastructure and upgrades
- Civil infrastructure and upgrades
- Installation of miscellaneous utilities

PROJECT AND ENVIRONMENTAL CONDITIONS

The Port Authority has undertaken and completed a review of the Project in accordance with the *Canada Marine Act* and Section 5 of the *Port Authorities Operations Regulations* and, as applicable, Section 82 of the *Impact Assessment Act*.

If at any time the Permit Holder fails to comply with any of the project and environmental conditions set out in the Permit below, or if the Port Authority determines that the Permit Holder has provided any incomplete, incorrect or misleading information in relation to the Project, the Port Authority may, in its sole and absolute discretion, cancel its authorization for the Project or change the project and environmental conditions to which such authorization is subject.

Pursuant to Section 29 of the *Port Authorities Operations Regulations*, the Port Authority may also cancel its authorization for the Project, or change the project and environmental conditions to which such authorization is subject, if new information is made available to the Port Authority at any time in relation to the potential adverse environmental and other effects of the Project.

The following are the project and environmental conditions that must be followed by the Permit Holder to mitigate potential or foreseeable adverse environmental and other effects.

Port Authority Guidelines and Record Drawing Standards referenced in this document can be located at: <https://www.portvancouver.com/permitting-and-reviews/per/project-and-environment-review-applicant/guidelines/>.

No.	GENERAL CONDITIONS
1.	The Permit Holder must have a valid lease, licence, or access agreement for the Project site prior to accessing the Project site or commencing construction or any other physical activities on the Project site. This Permit shall in no way limit any of the Permit Holder's obligations, or the Port Authority's rights, under such lease, licence, or access agreement.
2.	Except for Site Preparation Work relating to placement of preload for the potash storage building, the Permit is conditional upon the Permit Holder and the Port Authority having entered into a revised tenure arrangement with respect to the Project site to allow for the handling of potash (the "Tenure Agreement"). No construction or any other physical activities may commence under this Permit in the absence of a valid Tenure Agreement, other than Site Preparation Work relating to placement of preload for the potash storage building. This Permit shall in no way limit any of the Permit Holder's obligations, or the Port Authority's rights, under the Tenure Agreement.
3.	The Permit Holder shall at all times and in all respects, comply with and abide by all applicable statutes, laws, regulations and orders from time to time in force and effect, including all applicable environmental, labour and safety laws and regulations.
4.	This Permit in no way endorses or warrants the design, engineering, or construction of the Project and no person may rely upon this Permit for any purpose other than the fact that the Port Authority has permitted the construction of the Project, in accordance with the terms and conditions of this Permit.
5.	The Permit Holder shall indemnify and save harmless the Port Authority in respect of all claims, losses, costs, fines, penalties or other liabilities, including legal fees, arising out of: (a) any bodily injury or death, property damage or any loss or damage arising out of or in any way connected with the Project; and (b) any breach by the Permit Holder of its obligations under this Permit.
6.	The Permit Holder is responsible for locating all existing site services and utilities, including any located underground. The Permit Holder shall provide an Infrastructure Surveyed Data Drawing that includes topographic and utility locate data based on surveys in accordance with the Port Authority's Record Drawing Standards. The Permit Holder is responsible for repair or replacement of any damage to existing site services and utilities, to the satisfaction of the Port Authority, that result from construction and operation of the Project.
7.	The Permit Holder shall undertake and deliver the Project to total completion in a professional, timely and diligent manner in accordance with applicable standards and specifications set out in the sections above entitled Project Description and Information Sources, including the attached plans and drawings numbered PER No. 20-209-A to J . The Permit Holder shall not carry out any other physical activities unless expressly authorized by the Port Authority.
8.	The Permit Holder shall cooperate fully with the Port Authority in respect of any review by the Port Authority of the Permit Holder's compliance with this Permit, including providing information and documentation in a timely manner, as required by the Port Authority. The Permit Holder is solely responsible for demonstrating the Permit Holder's compliance with this Permit.
9.	The Permit Holder shall review the Permit with all employees, agents, contractors, licensees and invitees working on the Project site, prior to such parties participating in any construction or other physical activities on the Project site. The Permit Holder shall be solely responsible for ensuring that all such employees, agents, contractors, licensees and invitees comply with this Permit.
10.	The Permit Holder shall make available upon request by any regulatory authority (such as a Fishery Officer) a copy of this Permit.
11.	Unless otherwise specified, the Permit Holder shall provide plans, documents, and notices required under this Permit to the following email address: per@portvancouver.com and referencing PER No. 20-209 .

12.	Unless otherwise specified, all plans, schedules, and other Project-related documentation that the Permit Holder is required to provide under this Permit, and any subsequent updates, must be to the Port Authority's satisfaction.	
13.	The Permit Holder shall prepare and submit a self-report form to the Port Authority demonstrating compliance with conditions at each of the following project phases: a) Prior to construction Conditions (self-report shall be submitted upon the commencement of construction, or any physical activities) b) Construction Conditions (self-report shall be submitted at 50% of construction) c) Conditions Upon Project Completion (self-report shall be submitted within 60 business days of completion of construction)	
14.	The Port Authority shall have unfettered access to environmental compliance documentation and the Project site at all times during construction without notice.	
15.	The Permit Holder must maintain and retain any records associated with, or produced by, actions or activities undertaken to achieve compliance or that indicate non-compliance with project permit conditions. These records must be made available at the request of the Port Authority.	
16.	All conditions in this Permit which expressly or by their nature survive expiration or termination of this Permit will remain in effect after the expiration or termination of this Permit.	
	CONDITIONS - PRIOR TO COMMENCING CONSTRUCTION OR ANY PHYSICAL ACTIVITIES	SUBMISSION TIMING (business days)
17.	The Permit Holder shall submit Issued For Construction Drawings for proposed works in accordance with the Port Authority's Record Drawing Standards. These drawings shall be signed and sealed and approved for construction by a professional engineer licensed to practice in the Province of British Columbia. In addition, these drawings shall be submitted in both AutoCAD and PDF format and shall be named according to the record drawing indexing system set out at Section 2.10 of the Port Authority's Record Drawing Standards.	5 business days before commencing construction or any physical activities related to utility, structural, civil or marine works
18.	The Issued For Construction Drawings for the structural elements receiving retrofit works shall be submitted in accordance with Condition No. 16. These drawings shall also clearly indicate the actual seismic design return period achieved for <i>Life Safety</i> and <i>Collapse Prevention</i> Performance levels (National Building Code 2015), for the various structures of the Berth 2 Retrofit works.	5 business days before commencing construction or any physical activities related to structural elements of the project requiring retrofit works
19.	The Permit Holder shall submit completed analyses and conclusions to confirm the actual seismic design return period achieved for the <i>Collapse Prevention</i> Performance Level (National Building Code 2015) for the Berth 2 works to the Port Authority's satisfaction. This analysis shall be signed and sealed by a professional engineer licensed to practice in the Province of British Columbia.	20 business days before commencing construction or any physical activities related to structural elements of the project requiring retrofit works
20.	The Permit Holder shall submit a draft construction communications plan and construction notification in accordance with the Port Authority's Public Engagement Guidelines. The plan shall outline how the Permit Holder will engage and communicate with the public from the date of permit issuance to the completion of construction. The plan shall be updated as necessary and upon request by the Port Authority to ensure the public and stakeholders are provided with relevant information as it becomes available. The Permit Holder	20 business days before commencing construction or any physical activities

	shall carry out the Project in accordance with the construction communications plan, and any subsequent updates made to the Port Authority's satisfaction.	
21.	The Permit Holder shall distribute a construction notification to residents and businesses to an area consistent with the distribution area used for public engagement notification (postal code V4M). This shall be completed to the Port Authority's satisfaction. The Permit Holder shall notify the Port Authority when such distribution has been completed.	Upon commencement of any construction or physical activities
22.	The Permit Holder shall submit a construction parking and traffic management plan to the Port Authority's satisfaction. The Permit Holder shall carry out the Project in accordance with the construction parking and traffic management plan, and any subsequent updates to the Port Authority's satisfaction.	20 business days before commencing construction or any physical activities
23.	For buildings, structures and proposed interior changes to buildings that are reviewable under the National Building Code and National Fire Code, the Permit Holder shall apply for a Port Authority Building Permit.	40 business days before commencing construction or any physical activities on any structures reviewable under the Code
24.	Prior to the commencement of any vessel-related activities, the Permit Holder shall contact Canadian Coast Guard (CCG) Marine Communications and Traffic Services (MCTS), (email: NAVWARN.MCTSPrinceRupert@innav.gc.ca ; Phone: 250-627-3070) regarding the issuance of a Navigational Warning (NAVWARN) to advise the marine community of potential hazards associated with the Project.	As per Coast Guard requirements
25.	<p>The Permit Holder shall submit a marine construction and staging plan to the Port Authority's satisfaction, which includes:</p> <ul style="list-style-type: none"> a) identification of navigation related hazards and risk mitigation measures b) staging and construction areas c) dates and hours of operations d) description of activities taking place e) participating equipment and vessels (dimensions must be included) f) method of preferred communication with marine users g) method of communicating updates to relevant marine users h) special requests and/or additional information <p>The Permit Holder shall carry out the Project in accordance with the marine construction and staging plan, including any subsequent updates made to the Port Authority's satisfaction.</p>	30 business days prior to commencing vessel-related activities
26.	<p>Prior to the commencement of any vessel-related activities, the Permit Holder shall inform the BC Coast Pilots (email: bccp@bcpilots.com and directors@bcpilots.com) providing them with the following information:</p> <ul style="list-style-type: none"> a) staging and construction areas b) dates and hours of operations c) description of activities taking place d) participating equipment and vessels e) method of preferred communication <p>If any concerns are raised by the BC Coast Pilots, these concerns must be addressed prior to commencing any vessel-related activities.</p>	30 business days prior to any vessel-related activities

27.	The Permit Holder shall provide a Project schedule to the Port Authority showing the anticipated start dates for all major phases of the Project as identified by the Port Authority. The Permit Holder shall notify the Port Authority of any material changes to the Project schedule and, upon request, shall provide an updated Project schedule.	20 business days before commencing construction or any physical activities
CONDITIONS - DURING CONSTRUCTION OR ANY PHYSICAL ACTIVITIES		
28.	The Permit Holder shall notify the Port Authority upon commencement of construction, or any physical activities (e.g., mobilization to the Project site).	
29.	<p>With the exception of the activities listed below, general construction and physical activities related to the Project shall be conducted from Monday to Saturday between the hours of 7:00 a.m. and 8:00 p.m. No construction and physical activities shall take place on Sundays or holidays.</p> <p>Certain works such as trucking of fill material, major concrete pours, and work requiring a shutdown of existing terminal operations (e.g., tie-ins or equipment installations and commissioning activities) will occur on a 24-hour schedule. No pile driving activities shall take place outside of the standard construction hours noted above.</p> <p>These hours shall not be modified without prior approval of the Port Authority. To request permission to conduct activities outside these hours, the Permit Holder must submit a written request no less than 30 business days prior to the desired start date.</p>	
30.	The Permit Holder shall notify the Port Authority within two business days of any complaints received from the community and stakeholders during construction and indicate how the Permit Holder has responded to such complaints.	
31.	The Permit Holder shall carry out the Project in accordance with the Port Authority's Archaeological Chance Find Procedure, or a similar Archaeological Chance Find Procedure accepted in writing by the Port Authority at least five business days prior to groundbreaking activities, and any subsequent updates made to the Port Authority's satisfaction.	
32.	The Permit Holder shall remove all abandoned utilities from the Project site, both underground and aboveground. At locations of connection to municipal works (i.e., at property lines), the abandoned utilities shall be capped. The Permit Holder shall provide detailed drawings of abandoned utilities and capped connections in both AutoCAD and PDF format in accordance with the Port Authority's Record Drawing Standards.	
33.	The Permit Holder may place temporary construction trailers on the Project site while this permit remains in effect, provided such trailers meet all of the criteria set out in the Port Authority's Temporary Construction Trailer Criteria, available at: https://www.portvancouver.com/permitting-and-reviews/building-permits/ . Should one or more of the criteria not be met, a Port Authority Building Permit is required.	
34.	<p>During any vessel-related activities, the Permit Holder shall:</p> <ol style="list-style-type: none"> a) Position vessels and equipment associated with the Project in such a manner so as not to obstruct line of sight to navigational aids or markers b) Exhibit the appropriate lights and day shapes at all times c) Monitor the VHF channel used for MCTS communications in the respective area at all times and participate as necessary d) Be familiar with vessel movements in areas affected by the Project e) Plan and execute the Project in a manner that will not impede navigation or interfere with vessel operations f) During night hours, unless working 24 hours per day, ensure that the rig and associated equipment is moored outside the navigation channel and lit in accordance with all applicable regulations 	
35.	The Permit Holder, or their contractor, shall engage a qualified environmental professional to monitor the	

	Project in order to ensure that the works are carried out in compliance with this Permit. Monitoring events shall take place as required by the environmental monitor, the construction environmental management plan, or the Port Authority, provided that monitoring will be full time when works are underway that have the potential to adversely affect fish or fish habitat.
36.	The Permit Holder shall provide environmental monitoring reports to the Port Authority as specified in the construction environmental management plan or more frequently if the Port Authority requires. In addition, a summary report for the whole monitoring period shall be forwarded to the Port Authority within 30 days of the conclusion of the monitoring period.
37.	The Permit Holder shall carry out the Project in accordance with the Construction Environmental Management Plan provided by the Permit Holder, and any subsequent updates made to the Port Authority's satisfaction.
38.	The Permit Holder shall conduct acoustic monitoring during pile driving as described in the Construction Environmental Management Plan provided by the Permit Holder, and any subsequent updates made to the Port Authority's satisfaction.
39.	A Marine Mammal Observer shall be present at all times during in-water pile driving activities and shall monitor marine mammal presence as described in the Construction Environmental Management Plan provided by the Permit Holder, and any subsequent updates made to the Port Authority's satisfaction.
40.	The Permit Holder shall establish and implement a cetacean exclusion zone as described in the Construction Environmental Management Plan provided by the Permit Holder, and any subsequent updates made to the Port Authority's satisfaction.
41.	In-water works shall be conducted during the marine least risk timing window for fish and fish habitat from August 16 to February 28, inclusive, unless otherwise approved in writing by Fisheries and Oceans Canada (DFO) or the Port Authority. The Port Authority shall be notified of any DFO exemptions allowing works outside the least risk timing window.
42.	The Permit Holder shall decommission any groundwater monitoring wells encountered within the Project footprint in compliance with the requirements set out in appendix C of the Port Authority's construction environmental management plan guideline.
43.	The Permit Holder shall immediately cease work and notify the Port Authority if the Permit Holder has reasonable grounds to believe that the Project has harmed fish or fish habitat, including observation of distressed, injured, or dead fish. The Permit Holder shall not resume work until authorized by the Port Authority.
44.	The Permit Holder shall not disturb the seabed outside the Project site.
CONDITIONS – PRIOR TO OPERATION	
45.	The Permit Holder shall provide a copy of the amended ENV Permit PE-6819 prior to operational discharge from the new or modified water treatment systems. The Permit Holder shall update the Stormwater Pollution Prevention Plan to include any changes in the amended ENV Permit PE-6819, to the Port Authority's satisfaction.
46.	The Permit Holder shall provide a copy of the amended Metro Vancouver Air Quality Management Permit Number GVA0153, when available.
CONDITIONS - UPON COMPLETION	SUBMISSION TIMING (Business Days)

47.	The Permit Holder shall notify the Port Authority upon completion of the Project. Completion is deemed to be on the date of the first loading of the commodity to a vessel for commercial export.	Upon substantial completion
48.	The Permit Holder shall send record drawings of newly constructed and/or demolished marine works to the Database Information Office of the Canadian Hydrographic Service (250-363-6360 or chsdatacentre@dfo-mpo.gc.ca) to arrange for the relevant Canadian Hydrographic Service charts to be updated. The Port Authority’s Marine Operations department shall be copied on the request (navigation.review@portvancouver.com).	Upon substantial completion
49.	The Permit Holder shall provide record drawings, including a Project site plan that clearly identifies the location of works, in both AutoCAD and PDF format (with an Engineers stamp where applicable) in accordance with the Port Authority’s Record Drawing Standards. All drawings shall be named according to the record drawing index numbering system set out at Section 2.10 of the Port Authority’s Record Drawing Standards.	Within 40 business days of completion
50.	Storm and process water shall be managed as described in the Stormwater Pollution Prevention Plan provided by the Permit Holder, and any subsequent updates made to the Port Authority’s satisfaction. The Permit Holder shall provide an updated Stormwater Pollution Prevention Plan that incorporates changes in the amended ENV Permit PE-6819, as required.	Within 90 business days of receiving amended ENV Permit PE-6819
The Port Authority reserves the right to rescind or revise these conditions at any time that new information warranting this action is made available to the Port Authority.		
LENGTH OF PERMIT VALIDITY		
The Project must commence by April 30, 2023 (the “Commencement Date”) and be completed no later than December 31, 2026 (the “Expiry Date”).		
AMENDMENTS		
<ul style="list-style-type: none"> • Details of any material proposed changes to the Project, including days and hours when construction and any physical activities will be conducted, must be submitted to the Port Authority for consideration of an amendment to this Permit. • For an extension to the Commencement Date, the Permit Holder must apply to the Port Authority in writing no later than 40 business days prior to that date. • For an extension to the Expiry Date, the Permit Holder must apply in writing to the Port Authority no later than 40 business days prior to that date. <p>Failure to apply for an extension as required may, at the sole discretion of the Port Authority, result in termination of this Permit.</p>		

PROJECT AND ENVIRONMENTAL REVIEW DECISION

In completing the project and environmental effects review, the Port Authority has reviewed and taken into account relevant information available on the proposed Project and has considered any adverse impact that the Project may have on the rights of Indigenous peoples, Indigenous knowledge, community knowledge, comments received from the public, and measures that would mitigate any significant adverse environmental effects of the Project. We conclude that with the implementation of proposed mitigation measures and Permit conditions, the Project is not likely to cause significant adverse environmental effects.

In completing the project and environmental review, the Port Authority concludes that with the implementation of proposed mitigation measures and conditions described in the Permit, the Project has appropriately addressed all identified concerns.

Project Permit PER No. 20-209 is approved by:

ORIGINAL COPY SIGNED

ANDREA MACLEOD
DIRECTOR, PROJECT AND ENVIRONMENTAL REVIEW

April 11, 2022

DATE OF APPROVAL

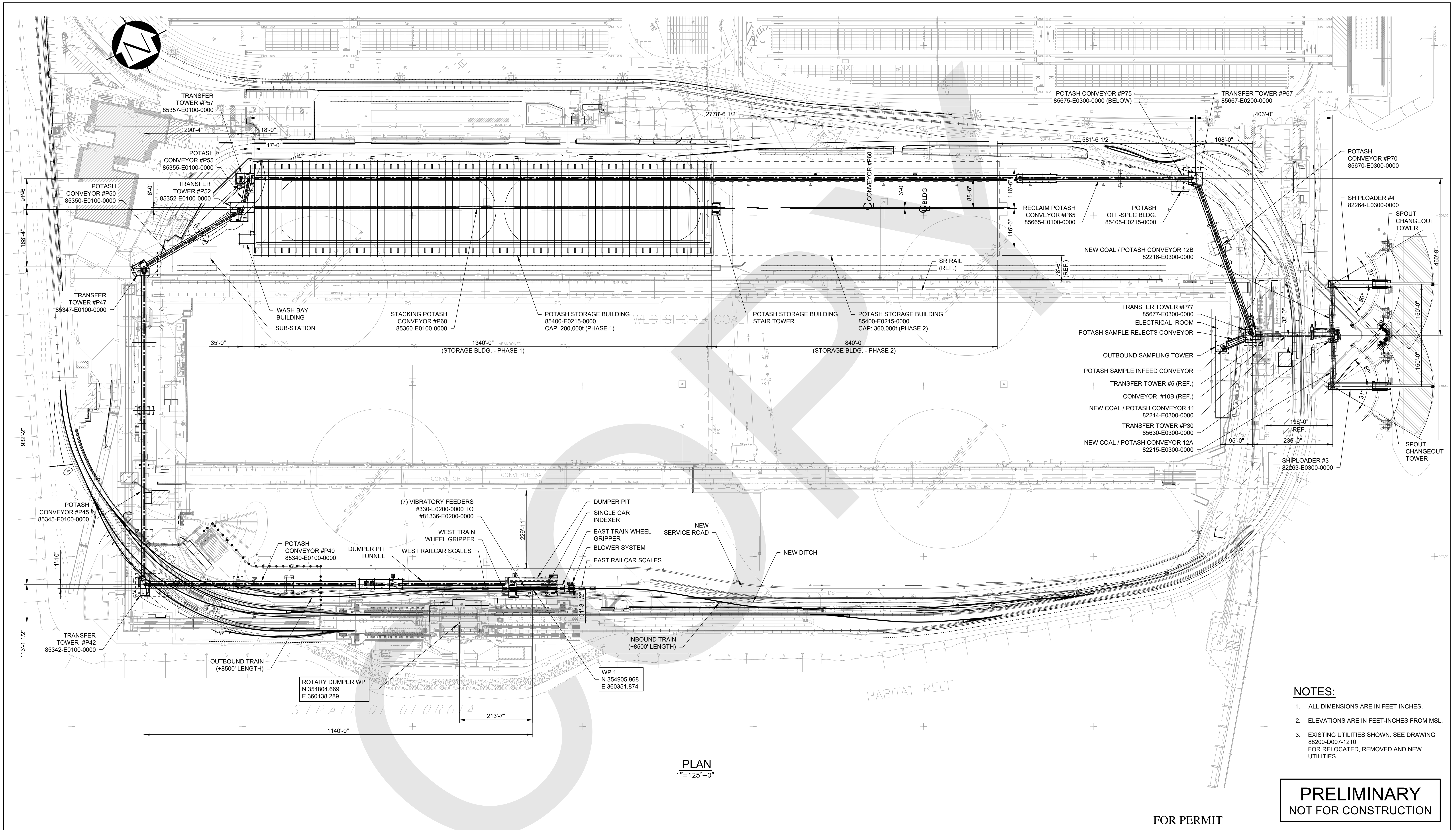
CONTACT INFORMATION

Vancouver Fraser Port Authority
100 The Pointe, 999 Canada Place,
Vancouver BC V6C 3T4 Canada

Project and Environmental Review
Tel.: 604-665-9047
Fax: 1-866-284-4271
Email: PER@portvancouver.com
Website: www.portvancouver.com

After normal business hours:

In the event of any land or marine construction incidents or concerns related to works carried out on-site under this permit, please contact the 24/7 Port Operations Centre 604-665-9086. In the event of an emergency requiring 'First Responders', please call 911 first.



PLAN
1"=125'-0"

- NOTES:**
1. ALL DIMENSIONS ARE IN FEET-INCHES.
 2. ELEVATIONS ARE IN FEET-INCHES FROM MSL.
 3. EXISTING UTILITIES SHOWN. SEE DRAWING 88200-D007-1210 FOR RELOCATED, REMOVED AND NEW UTILITIES.

PRELIMINARY
NOT FOR CONSTRUCTION

FOR PERMIT

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

REF.	DWG. NUMBER	DESCRIPTION	No.	YYYY-MM-DD	DESCRIPTION	ISSUES / REVISIONS	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
			P10	2021-09-02	RE-ISSUED FOR USE		DCC		DCC		PMD	AJK
			P9	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY		SJM		SJM		PMD	AJK
			P8	2020-11-27	ISSUED FOR REVIEW		DCC		DCC		PMD	AJK
			P7	2020-11-13	ISSUED FOR REVIEW		DCC		DCC		PMD	AJK
			P6	2020-08-31	ISSUED FOR INFORMATION		DCC		DCC		PMD	AJK
			P5	2020-07-03	ISSUED FOR STAGE 1 REVIEW		DCC		DCC		PMD	AJK
			P4	2020-06-02	ISSUED FOR REVIEW-STORAGE BLDG & SURGE BIN MOVED 25FT SOUTH		DCC		DCC		PMD	AJK
			P3	2020-05-22	ISSUED FOR REVIEW		DCC		DCC		PMD	AJK
			P2	2020-05-07	ISSUED FOR REVIEW		DCC		DCC		PMD	AJK
			P1	2020-04-16	ISSUED FOR REVIEW		DCC		DCC		PMD	AJK



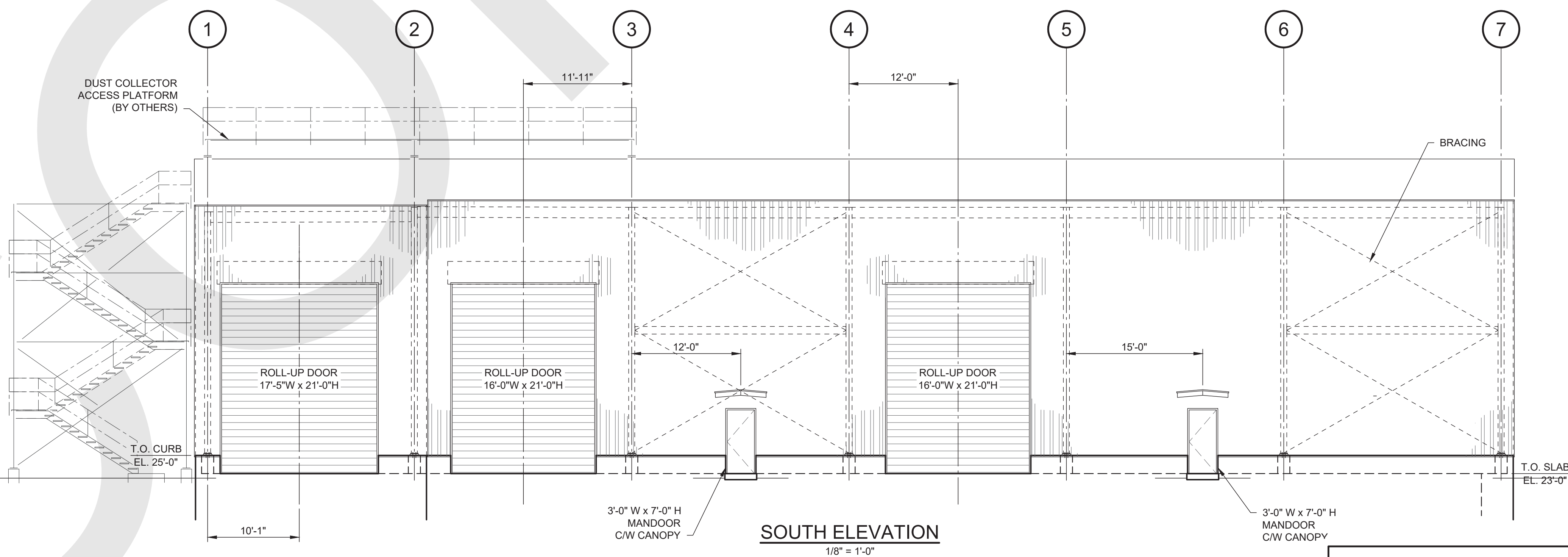
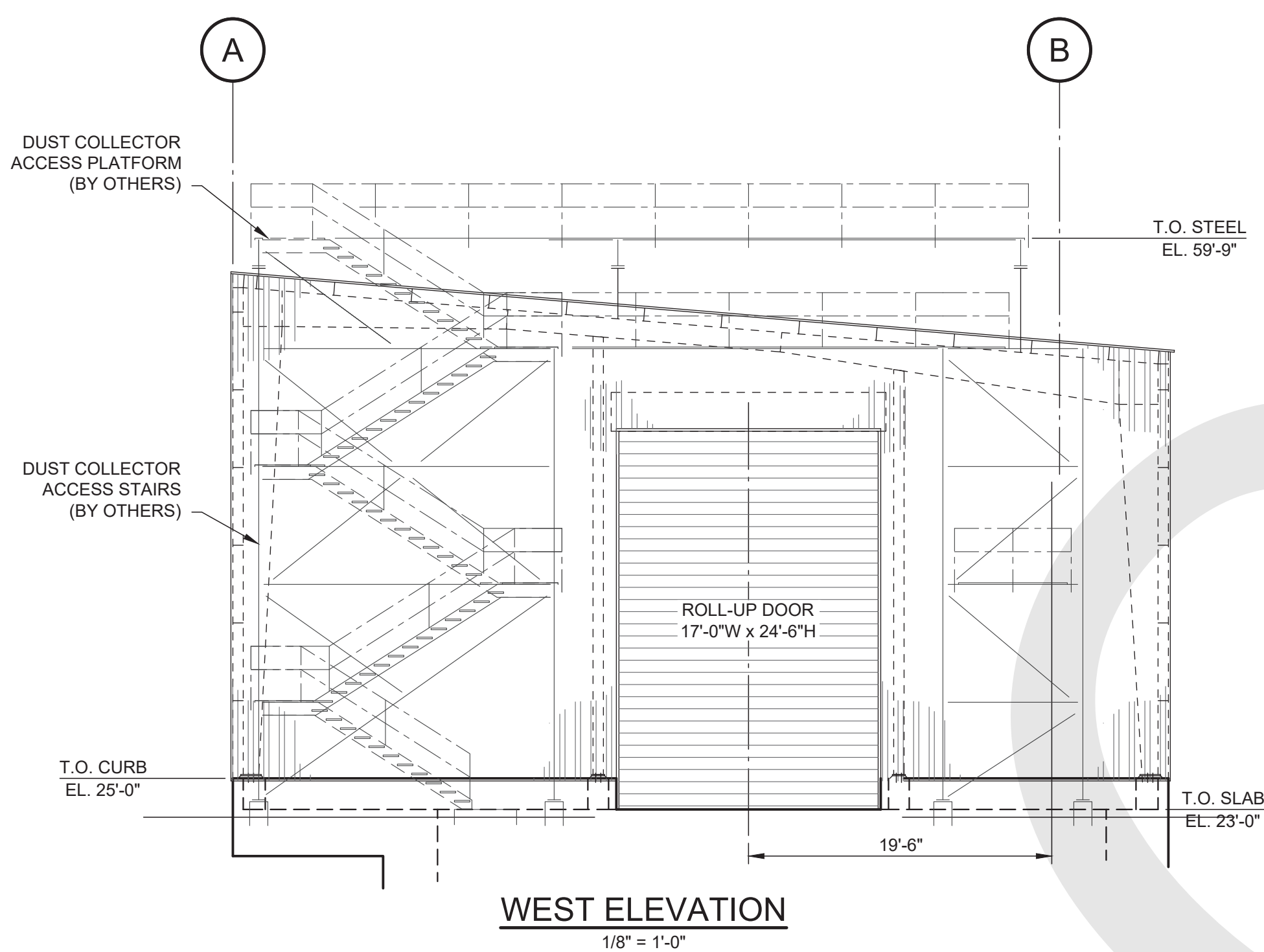
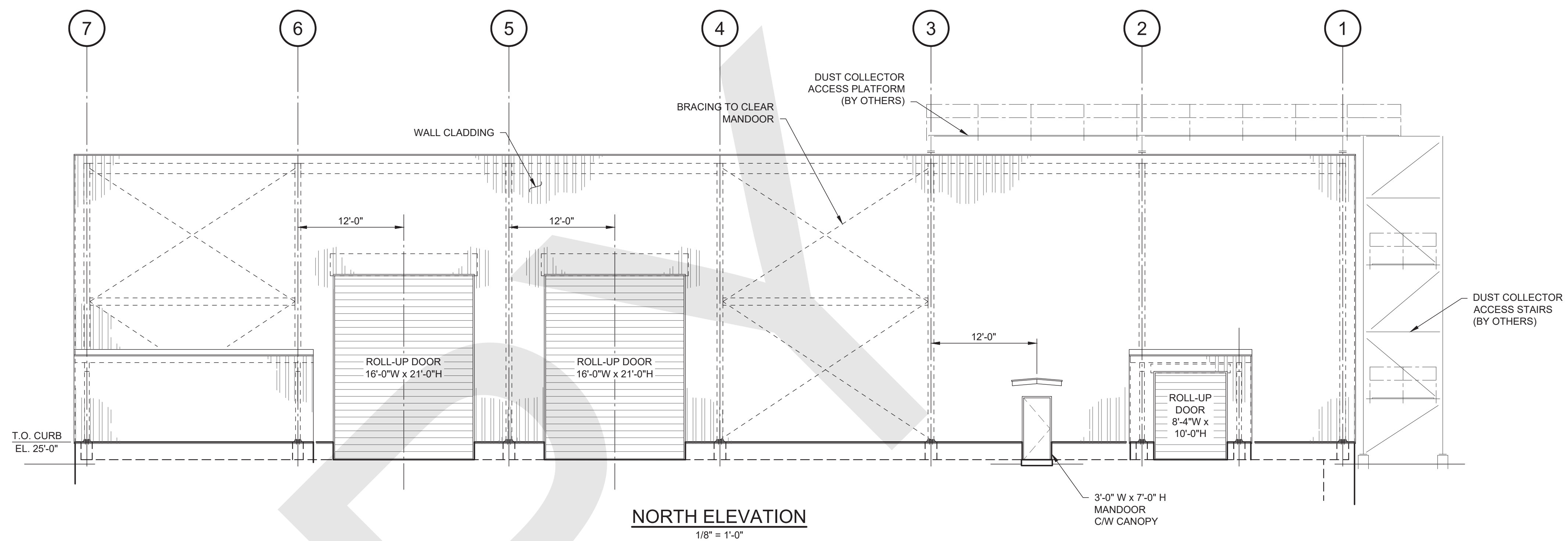
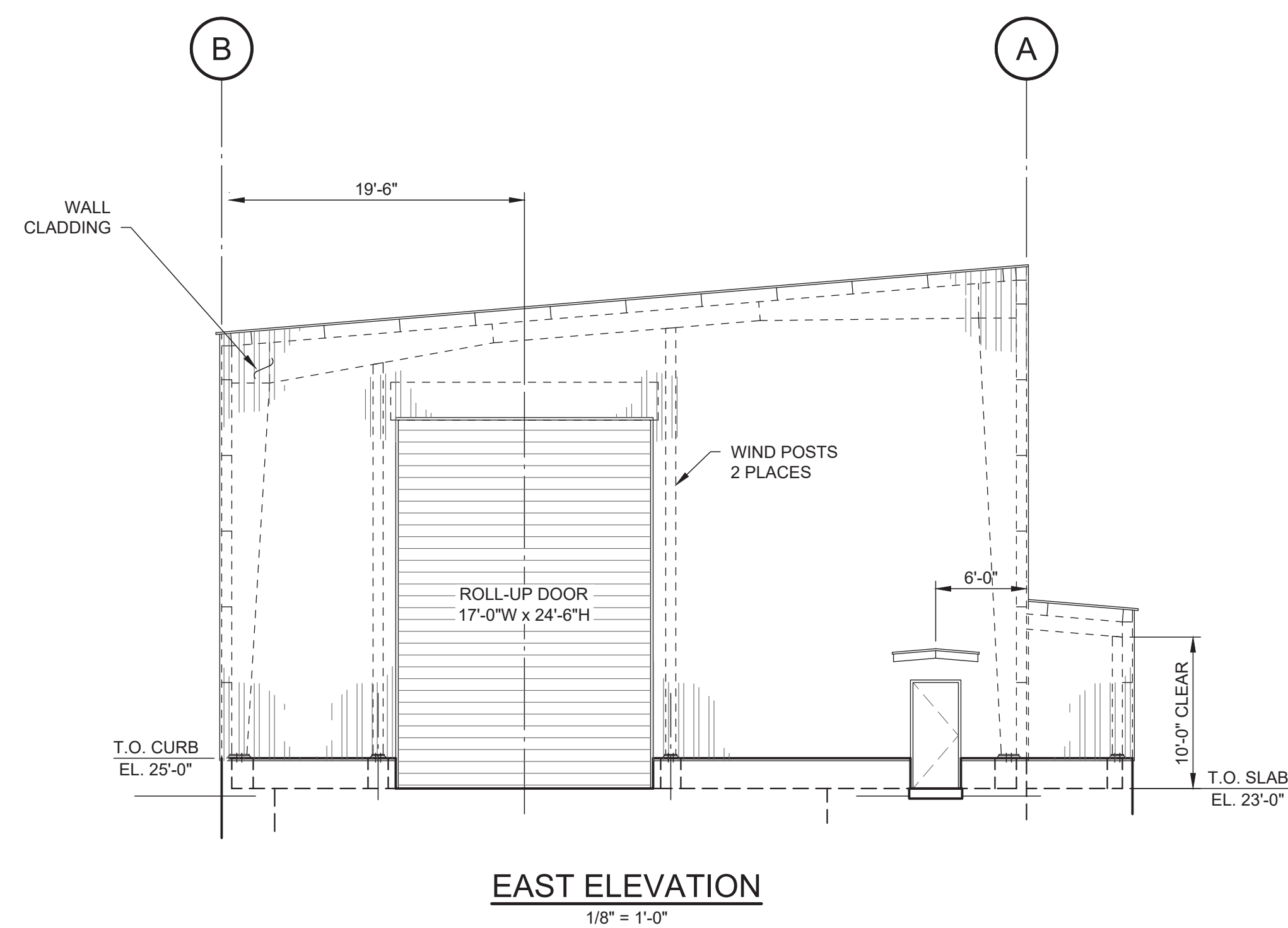
CWA PROJECT NUMBER: 19899

NEW CARGO STUDY
SITE PLAN

40101-D0000-0000

P10

REF.	DWG. NUMBER	DESCRIPTION	No.	YYYY-MM-DD	DESCRIPTION	ISSUES / REVISIONS	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL	DRAWN BY:	SCALE:	ACAD FILENAME: 40101-D0000-0000	REV.
------	-------------	-------------	-----	------------	-------------	--------------------	-------	------------	--------	--------------	----------------	----------------	-----------	--------	---------------------------------	------



PRELIMINARY
NOT FOR CONSTRUCTION

FOR PERMIT

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

REF.	DWG. NUMBER	DESCRIPTION	No.	YYYY-MM-DD	DESCRIPTION	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
2	81300-D0015-0102	POTASH DUMPER BUILDING - PLAN SHEET 2	P2	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY	HRS				AMG	AJK
1	81300-D0015-0101	POTASH DUMPER BUILDING - PLAN SHEET 1	P1	2020-11-27	ISSUED FOR REVIEW	HRS				AMG	AJK



This drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.

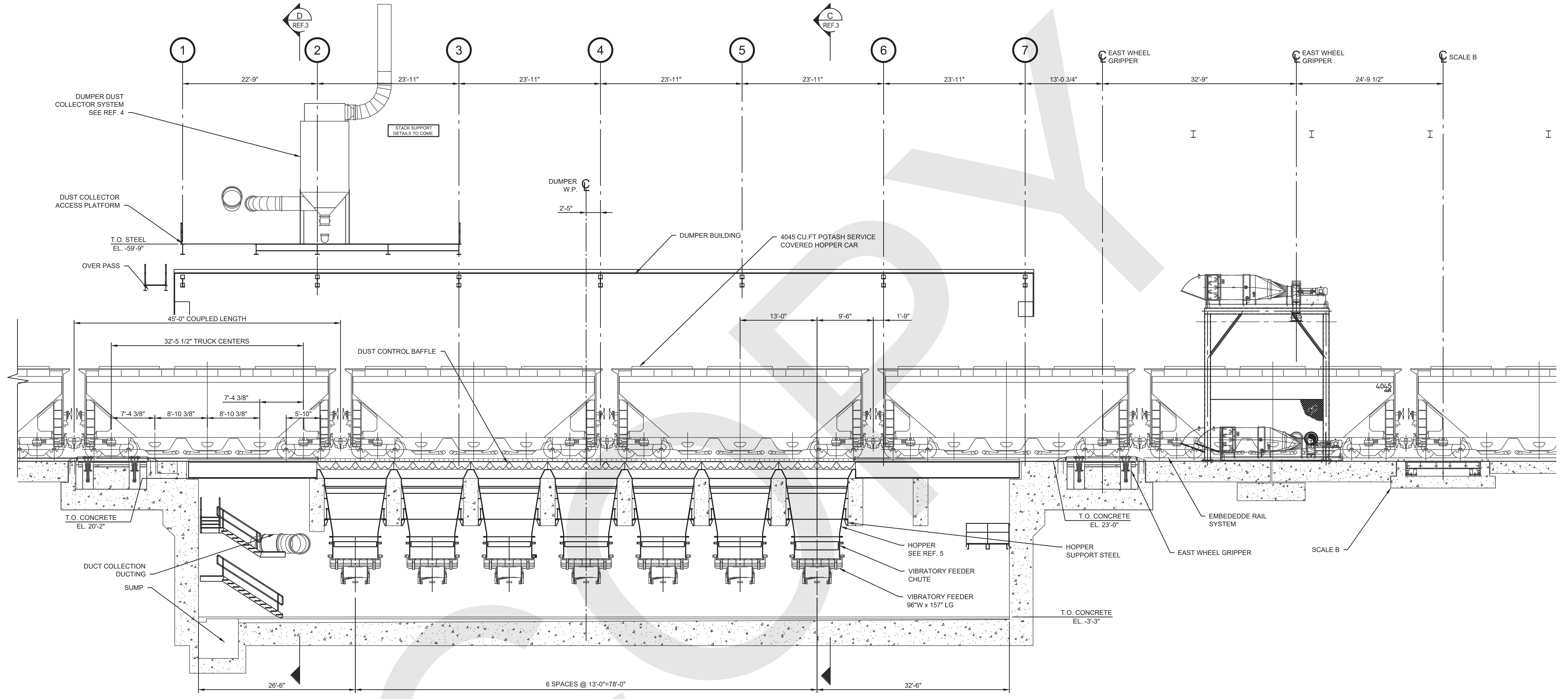
CWA PROJECT NUMBER: 19899

NEW CARGO STUDY
POTASH DUMPER BUILDING
ELEVATIONS

81300-D0015-0103

P2

- NOTES:**
- ALL DIMENSIONS ARE IN FEET-INCHES.
 - ELEVATIONS ARE IN FEET-INCHES FROM MSL.



SECTION A
1/8" = 1'-0"
REF. 1 & 2

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

FOR PERMIT
PRELIMINARY
NOT FOR CONSTRUCTION

REF.	DWG. NUMBER	DESCRIPTION	No.	YYYY-MM-DD	DESCRIPTION	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
5	81330-D0225-5000	NEW CARGO STUDY - DUMPER - VIB FEEDER HOPPER - GENERAL ARRANGEMENT									
4	81330-D0040-7010	NEW CARGO DUMPER - DUST COLLECTION GENERAL ARRANGEMENT - SHT.1									
3	81330-D0000-0005	NEW CARGO STUDY - DUMPER GENERAL ARRANGEMENT - SHT.5	P3	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY	DCC		DCC		PMD	AJK
2	81330-D0000-0002	NEW CARGO STUDY - DUMPER GENERAL ARRANGEMENT - SHT.2	P2	2020-11-27	ISSUED FOR REVIEW	DCC		DCC		PMD	AJK
1	81330-D0000-0001	NEW CARGO STUDY - DUMPER GENERAL ARRANGEMENT - SHT.1	P1	2020-10-30	ISSUED FOR REVIEW	DCC		DCC		PMD	AJK
REFERENCE DRAWINGS / DESIGN STANDARDS						ISSUES / REVISIONS					
						* HAND INITIALS ON FILE					
						DRAWN BY: DCC		SCALE: AS NOTED		ACAD FILENAME: 81330-D0000-0001 TO 0005	

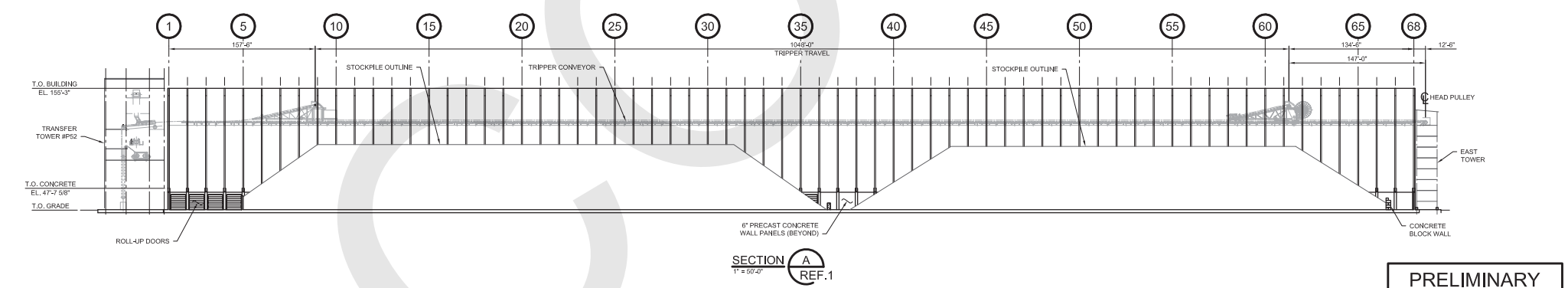
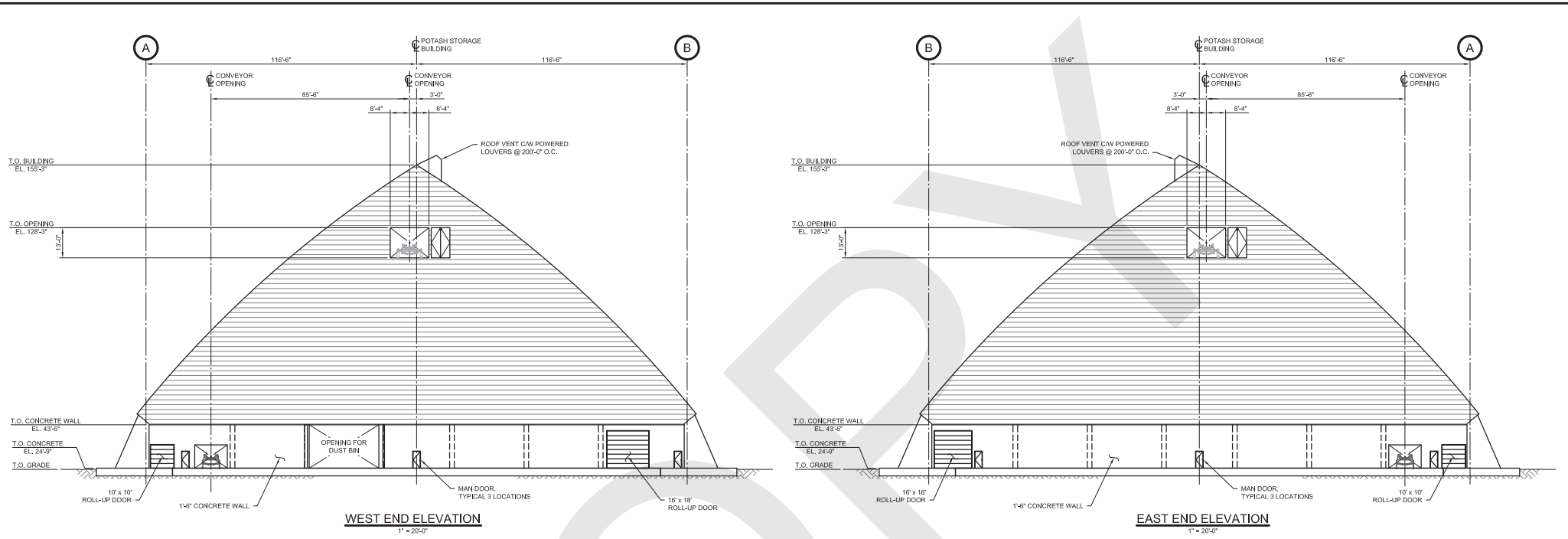


This drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.

CWA PROJECT NUMBER: 19899
NEW CARGO STUDY
DUMPER
GENERAL ARRANGEMENT - SHT.3
81330-D0000-0003

P3

REV.

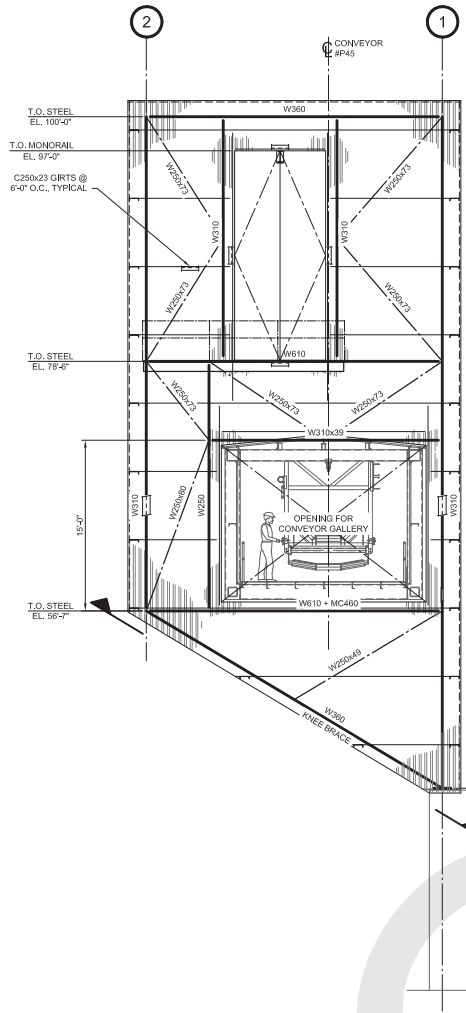


VANCOUVER FRASER PORT AUTHORITY
 This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

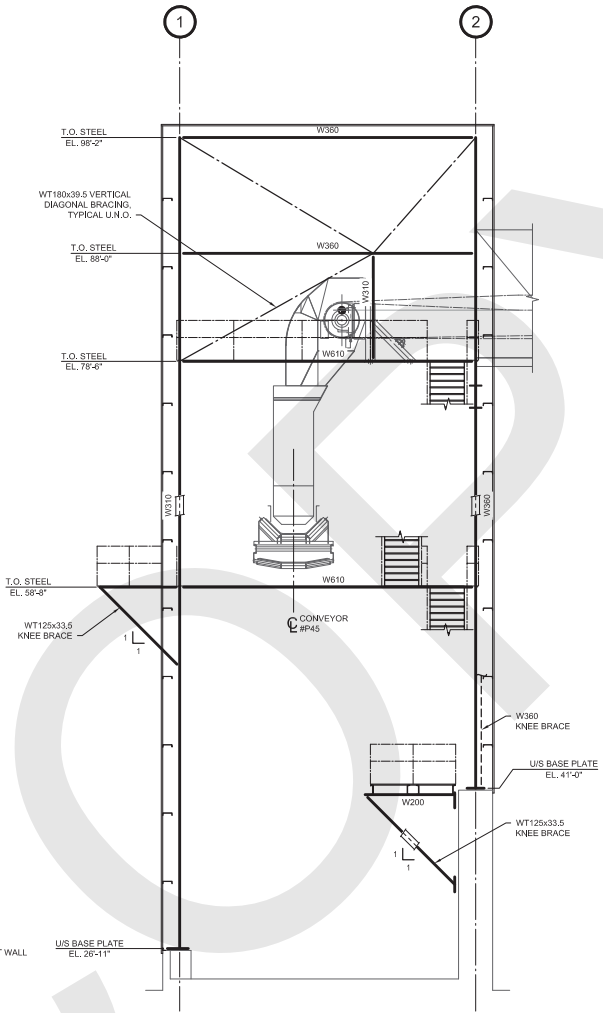
FOR PERMIT **PRELIMINARY NOT FOR CONSTRUCTION**

<p>1 85400-D0015-0001 NEW CARGO STUDY - POTASH STORAGE BUILDING - BUILDING ENVELOPE - PLAN AND ELEVATION</p>		<p>No. YYYY-MM-DD</p>		<p>DESCRIPTION</p>		<p>DRAWN</p>		<p>DWG. CHECK</p>		<p>DESIGN</p>		<p>DESIGN CHECK</p>		<p>DISC. APPROVAL</p>		<p>PROJ. APPROVAL</p>		<p>DRAWN BY: CPL</p>		<p>SCALE: AS NOTED</p>		<p>ACAD FILENAME: 85400-D0015-0001 TO 0003</p>		<p>REV.</p>	
<p>REF. DWG. NUMBER</p>		<p>DESCRIPTION</p>		<p>ISSUES / REVISIONS</p>		<p>★ HAND INITIALS ON FILE</p>		<p>SCALE: AS NOTED</p>		<p>ACAD FILENAME: 85400-D0015-0001 TO 0003</p>		<p>REV.</p>		<p>REV.</p>		<p>REV.</p>		<p>REV.</p>		<p>REV.</p>		<p>REV.</p>			

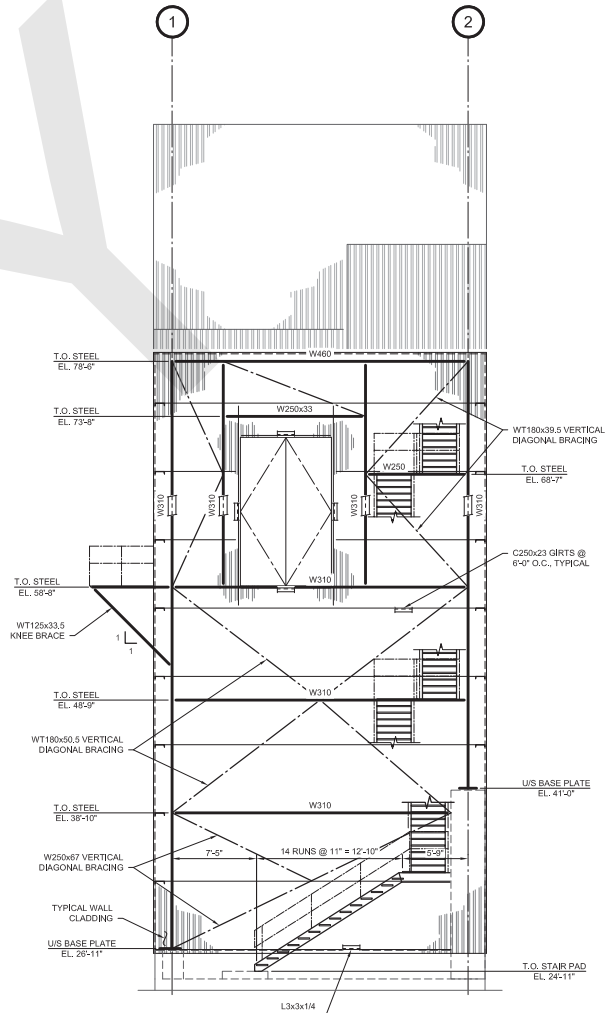
	<p>CWA PROJECT NUMBER: 19899</p>
	<p>NEW CARGO STUDY POTASH STORAGE BUILDING BUILDING ENVELOPE - ELEV. & SECT.</p>
<p>This drawing has been prepared by CWA Engineers Inc. as an Instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.</p>	<p>85400-D0015-0002</p>
<p>85400-D0015-0002</p>	<p>P6</p>



ELEVATION - BAYLINE 'A'
3/16" = 1'-0"



ELEVATION - BAYLINE 'B'
3/16" = 1'-0"



ELEVATION - BAYLINE 'C'
3/16" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

FOR PERMIT

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

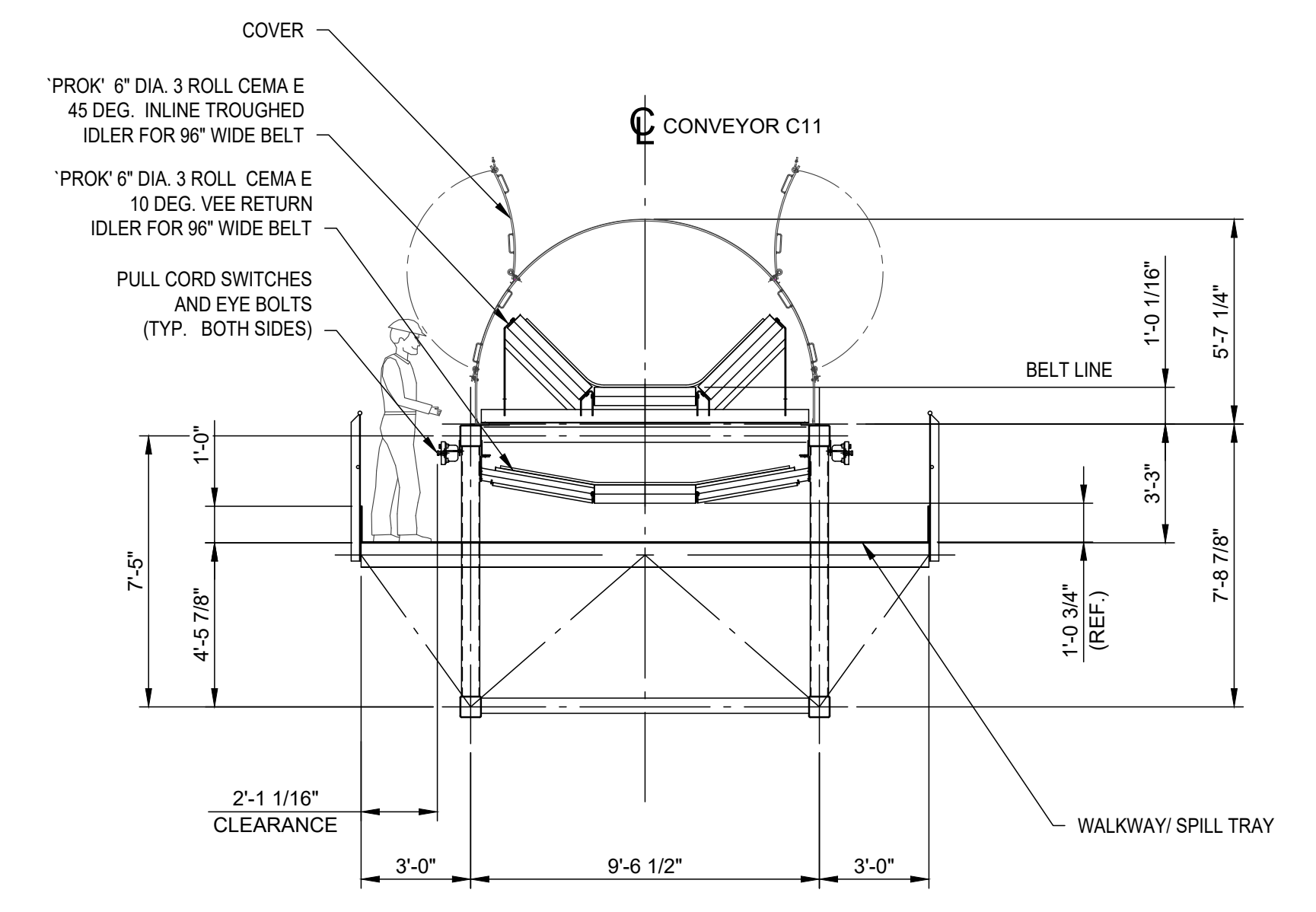
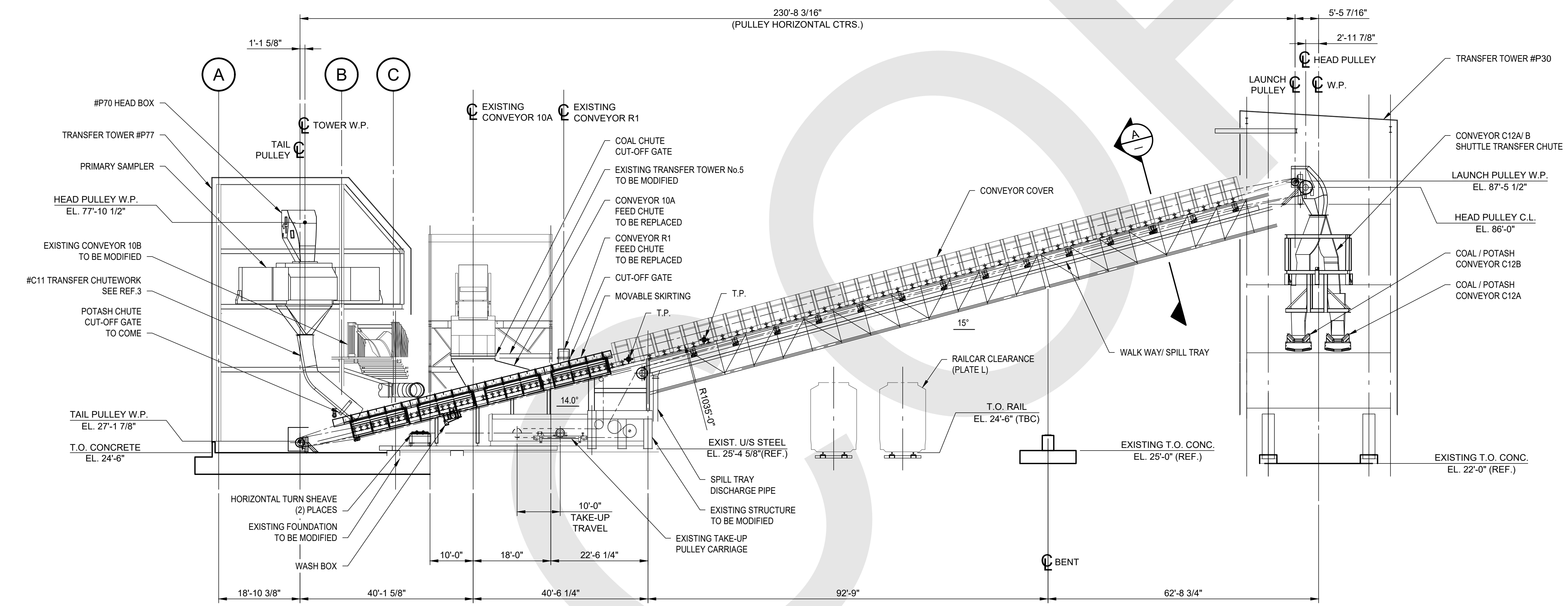
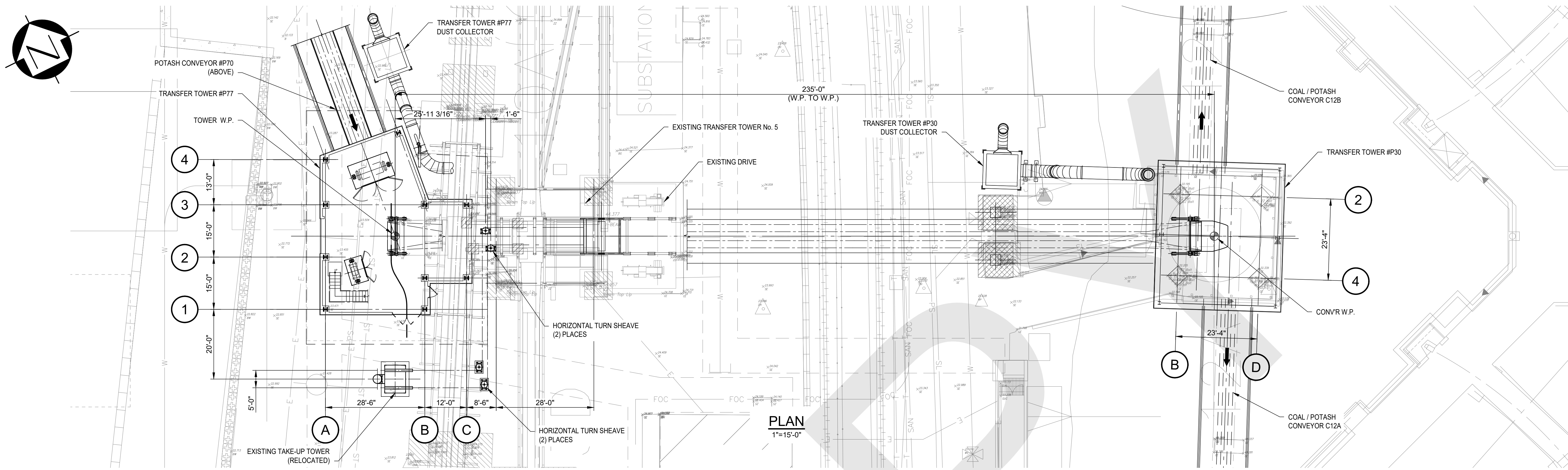
REF.	DWG. NUMBER	DESCRIPTION
1	85342-D0120-0112	NEW CARGO STUDY - TRANSFER TOWER #42 - STEEL SECTIONS - SHEET 1

No.	DATE	DESCRIPTION
P3	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY
P2	2020-11-20	ISSUED FOR REVIEW
P1	2020-10-30	ISSUED FOR REVIEW

DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
CPL		DJC		AMG	AJK
CPL		DJC		AMG	AJK
CPL		DJC		AMG	AJK

DRAWN BY: CPL	SCALE: AS NOTED	ACAD FILENAME: 85342-D0120-0100
---------------	-----------------	---------------------------------

<p>Think drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such uses.</p>	 CWA PROJECT NUMBER: 19899 NEW CARGO STUDY TRANSFER TOWER #42 STEEL ELEVATIONS - SHEET 1
	85342-D0120-0110 P3



PRELIMINARY
NOT FOR CONSTRUCTION

FOR PERMIT

VANCOUVER FRASER PORT AUTHORITY

This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

No.	DATE	DESCRIPTION	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
P4	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY	HMP				PMD	AJK
P3	2020-11-27	ISSUED FOR REVIEW	HMP		HMP		PMD	AJK
P2	2020-10-30	ISSUED FOR REVIEW	HMP		HMP		PMD	AJK
P1	2020-07-17	ISSUED FOR STAGE 1 REVIEW	HMP		DCC		PMD	AJK

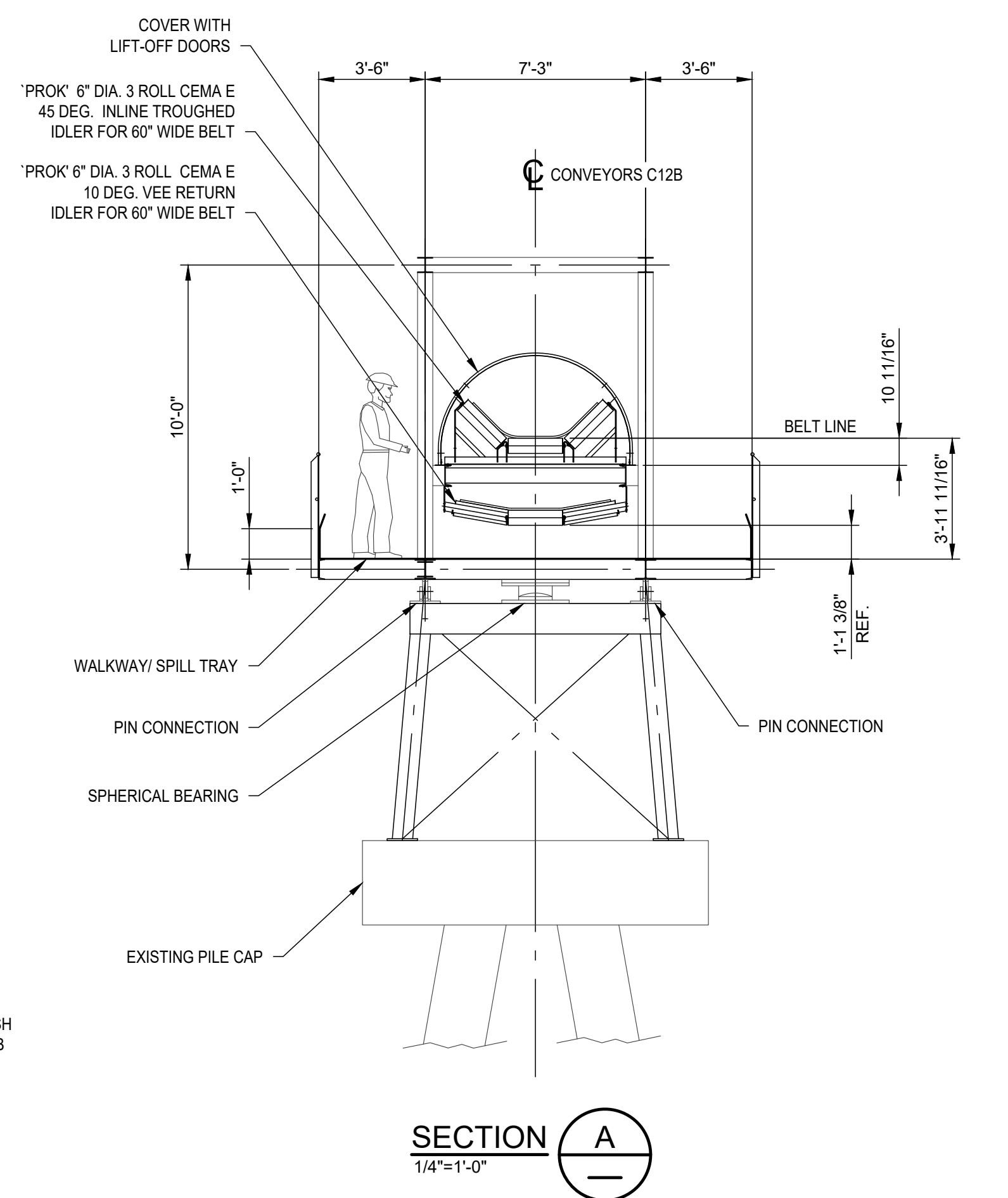
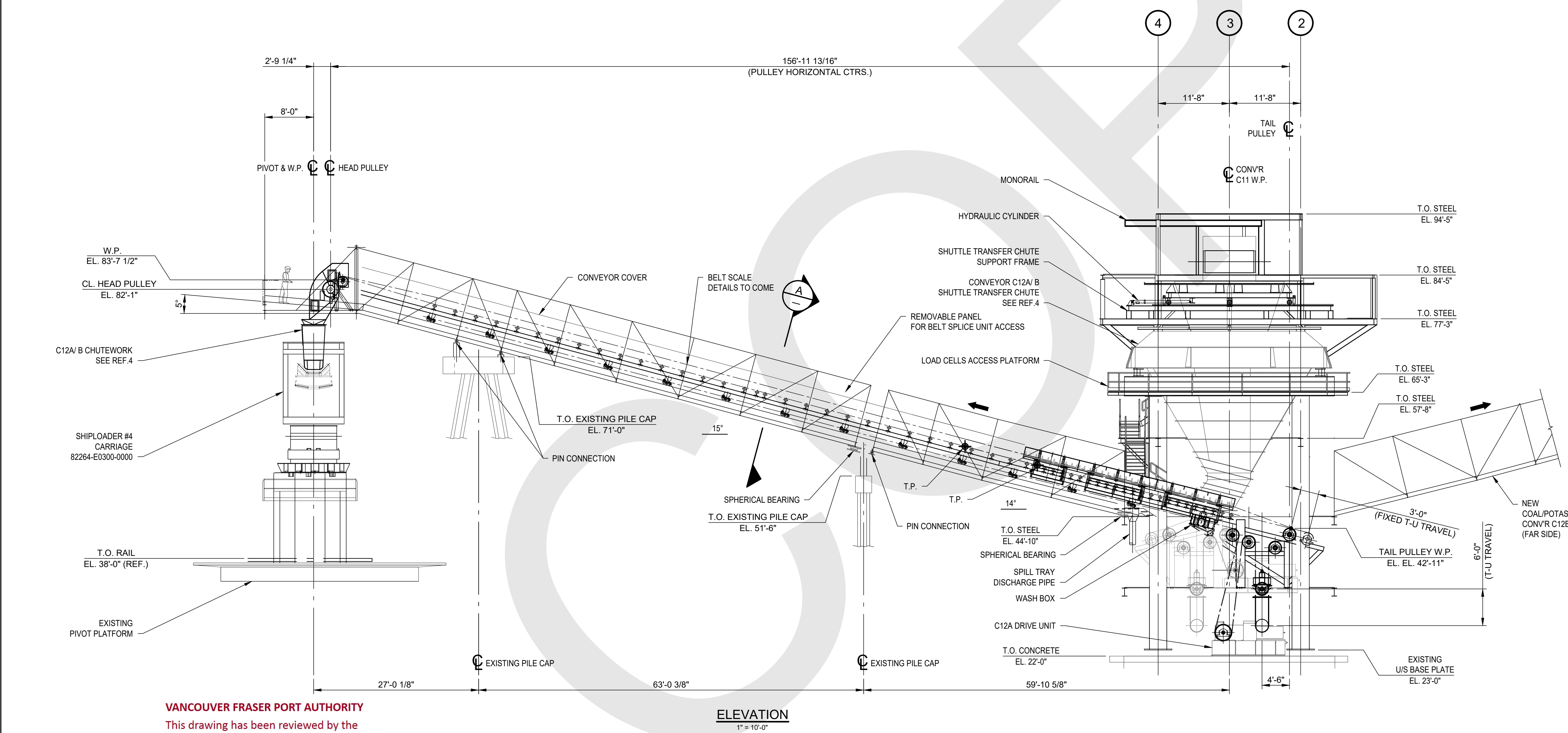
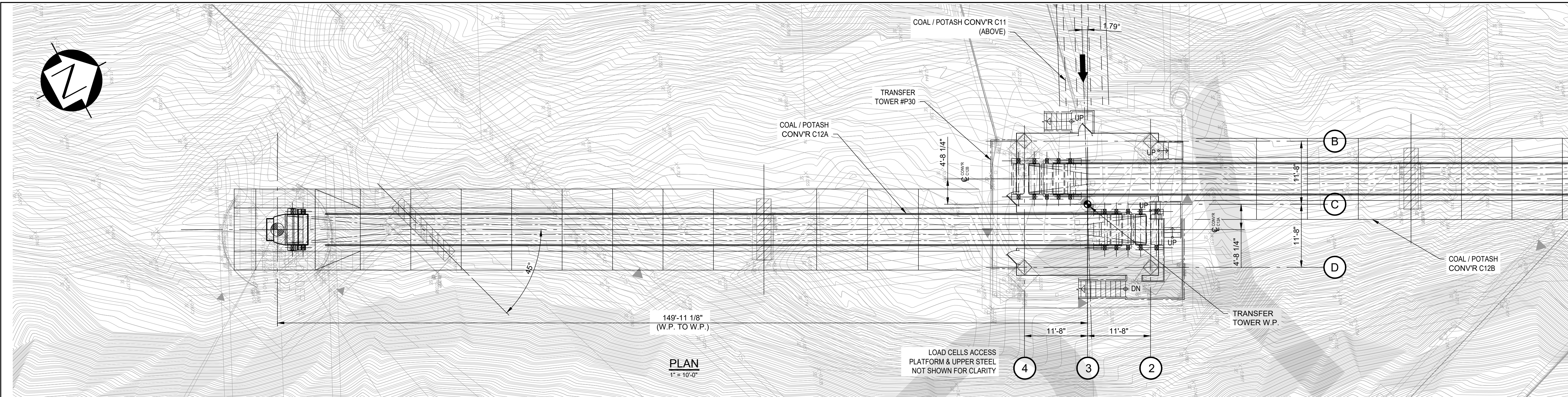
REF.	DWG. NUMBER	DESCRIPTION
3	85670-D0325-5000	COAL / POTASH CONVEYOR C11 - TRANSFER CHUTE DETAILS
2	85670-D0300-0010	COAL / POTASH CONVEYOR C11 - DATA SHEET
1	40101-D0000-0000	SITE PLAN

This drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.

CWA PROJECT NUMBER: 19899

NEW CARGO STUDY
COAL / POTASH CONVEYOR C11
GENERAL ARRANGEMENT

82214-D0300-0000 **P4**



VANCOUVER FRASER PORT AUTHORITY
 This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

PRELIMINARY
 NOT FOR CONSTRUCTION

FOR PERMIT

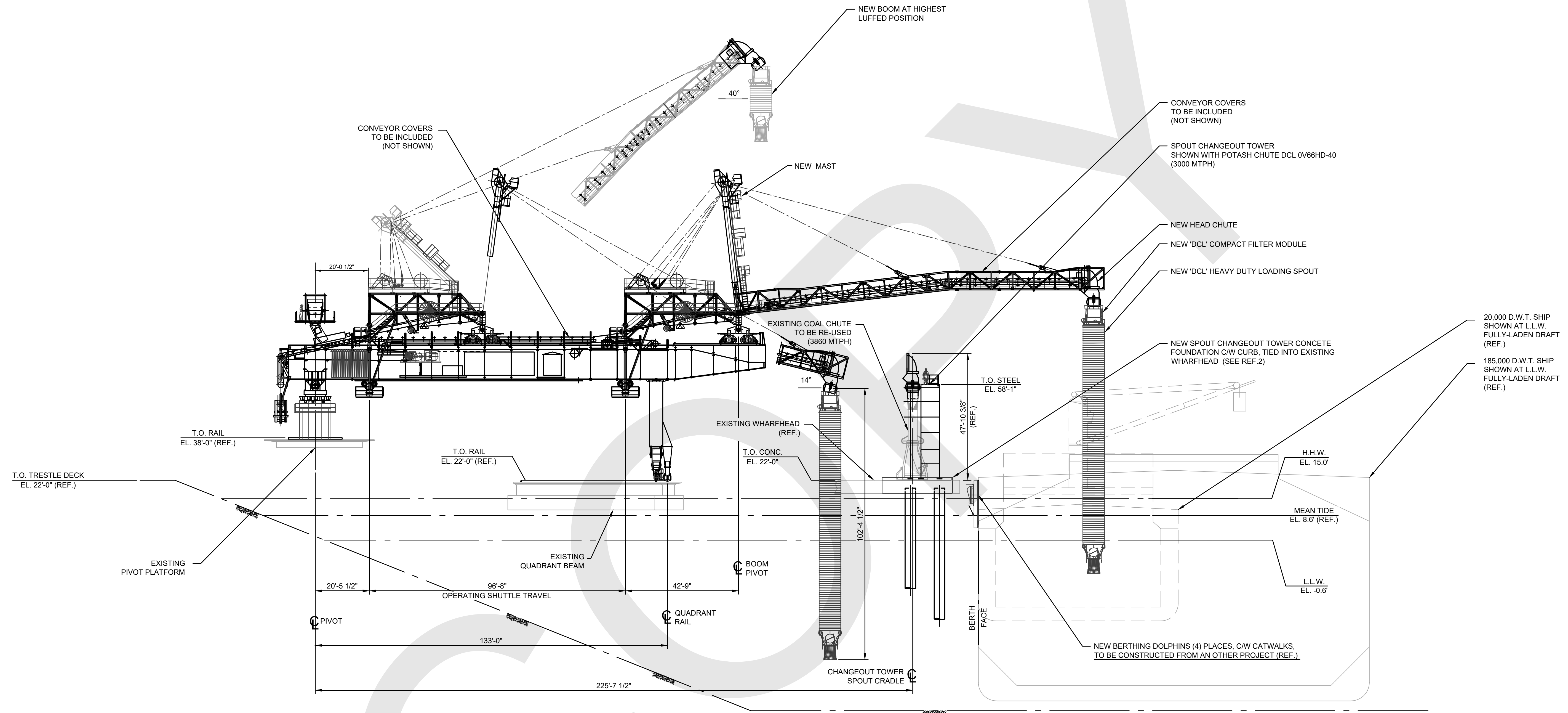
REF.	DWG. NUMBER	DESCRIPTION	No.	YYYY-MM-DD	DESCRIPTION	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
4	82215-D0325-5000	TRANSFER TOWER 30 - C12A / B CHUTEWORK - DETAIL	P4	2021-08-13	RE-ISSUED FOR USE - TRUSS C12A & TOWER 30 UPDATES	ABN		HMP		PMD	AJK
3	82230-D0325-5000	TRANSFER TOWER 30 - SHUTTLE TRANSFER CHUTEWORK - DETAILS	P3	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY	HMP		HMP		PMD	AJK
2	82215-D0300-0010	POTASH CONVEYOR C12A - DATA SHEET	P2	2020-11-27	ISSUED FOR REVIEW	HMP		HMP		PMD	AJK
1	40101-D0000-0000	SITE PLAN	P1	2020-11-13	ISSUED FOR REVIEW	HMP		HMP		PMD	AJK

This drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.

CWA PROJECT NUMBER: 19899

NEW CARGO STUDY
COAL / POTASH CONVEYOR C12A
GENERAL ARRANGEMENT

82215-D0300-0000 **P4**



SHIPLOADER & SPOUT CHANGEOUT TOWER WITH CARRIAGE FULLY EXTENDED - SECTION A REF.1
SCALE 1"=20'-0"

FOR PERMIT

PRELIMINARY
NOT FOR CONSTRUCTION

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.

REF.	DWG. NUMBER	DESCRIPTION
2	85690-D0310-0120	SHIPLOADER SPOUT TOWER FOUNDATION - PLAN & SECTION
1	85690-D0300-0000	BERTH 2 SHIPLOADING SPOUT CHANGEOUT SYSTEM G.A. - PLAN

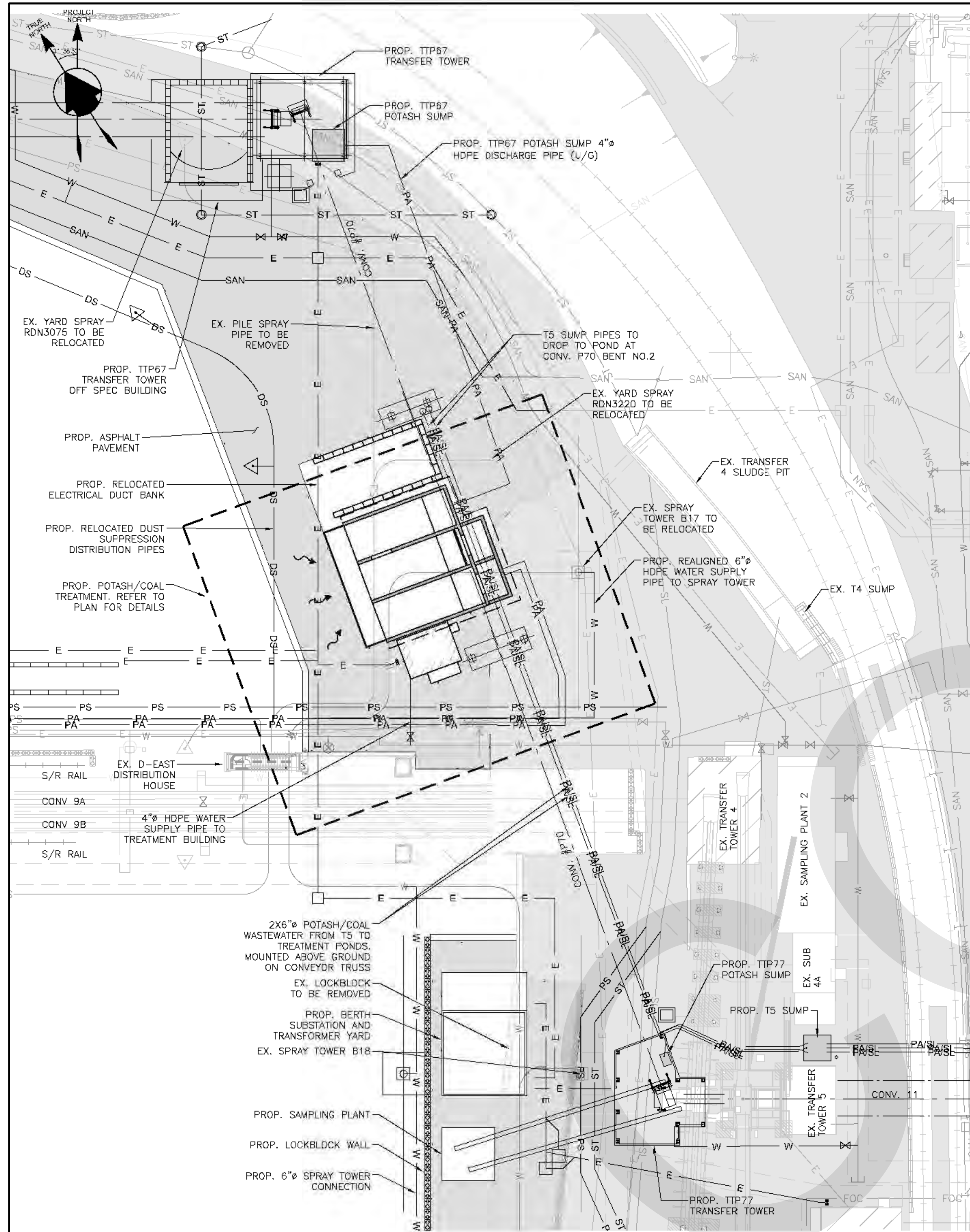
No.	YYYY-MM-DD	DESCRIPTION	ISSUES / REVISIONS	DRAWN	DWG. CHECK	DESIGN	DESIGN CHECK	DISC. APPROVAL	PROJ. APPROVAL
P6	2021-06-25	ISSUED FOR INFORMATION		JRM				PMD	AJK
P5	2021-06-16	ISSUED FOR REVIEW		JRM				PMD	AJK
P4	2020-12-15	ISSUED FOR USE - STAGE 2 STUDY		JRM	JRM			PMD	AJK
P3	2020-11-27	ISSUED FOR REVIEW		JRM	JRM			PMD	AJK
P2	2020-11-06	ISSUED FOR REVIEW		JRM	JRM			PMD	AJK
P1	2020-07-17	RE-ISSUED FOR STAGE 1 REVIEW		JRM				PMD	AJK

DRAWN BY:	JRM
SCALE:	AS NOTED
ACAD FILENAME:	85690-D0300-0000 & 0001

CWA
CWA PROJECT NUMBER: 19899
This drawing has been prepared by CWA Engineers Inc. as an instrument of service and is the exclusive property of CWA. This drawing shall be used solely for the purpose of this project. The client agrees that this drawing shall not be used for purposes other than those intended, and shall hold the engineer harmless for any other such use.

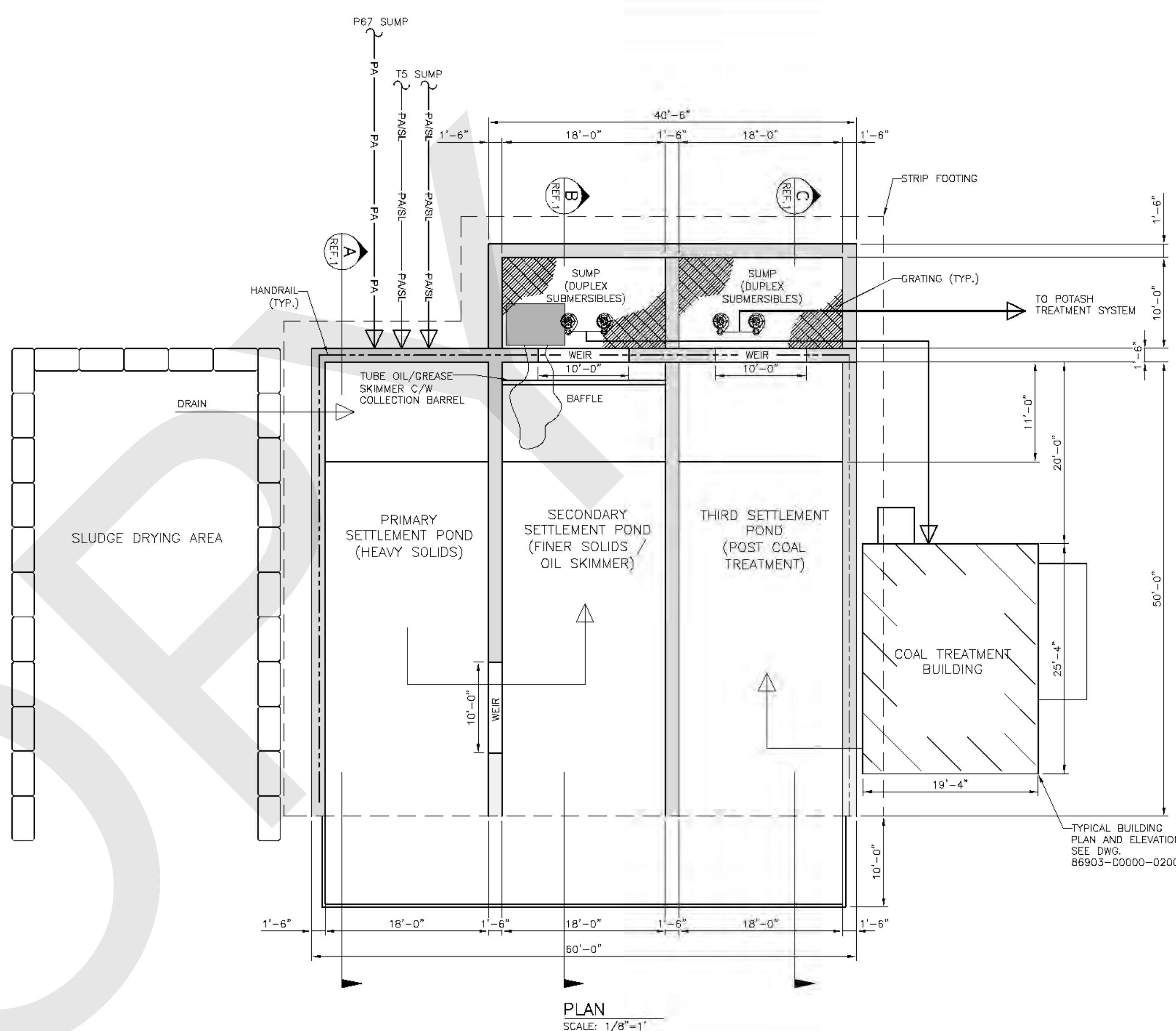
WestshoreTerminals
NEW CARGO STUDY
BERTH 2 SHIPLOADING SPOUT CHANGEOUT SYSTEM G.A. - SECTION
85690-D0300-0001 P6

FOR PERMIT



GENERAL ARRANGEMENT
SCALE: 1/32"=1'

VANCOUVER FRASER PORT AUTHORITY
This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.



PLAN
SCALE: 1/8"=1'

NOTES:

1. ALL EXISTING INFORMATION ON STRUCTURES, MONUMENTS, BURIED / UNDERGROUND SERVICES AND UTILITIES ARE BASED ON AVAILABLE RECORDS AND SHALL NOT BE CONSTRUED AS COMPLETE OR ACCURATE.
2. ALL EXISTING UTILITIES ARE SHOWN SCHEMATICALLY WITH ALIGNMENTS AND LOCATIONS OF UTILITY STRUCTURE POTENTIALLY SHIFTED FOR CLARITY.
3. ALL DIMENSIONS ARE IN IMPERIAL UNITS UNLESS NOTED OTHERWISE.
4. ALL ELEVATIONS ARE IN CANADIAN HYDROGRAPHIC (CHS) DATUM AND REFERENCED TO THE DEEP BENCHMARK.
5. COORDINATES SHOWN ARE BASED ON A PROJECT GROUND COORDINATE SYSTEM.
6. FOR CIVIL GENERAL NOTES, REFER TO DRAWINGS 40101-D0007-0050 AND 40101-D0007-0051.
7. FOR EXTENT OF CIVIL REMOVALS, REFER TO GENERAL ARRANGEMENT DRAWINGS 88200-D0007-1110 TO 88200-D0007-1116.
8. FOR GROUND DENSIFICATION AND STRUCTURAL FOUNDATION EXTENTS AND DETAILS, REFER TO CWA DRAWINGS.
9. FOR SITE PROCESS FLOW DIAGRAM, REFER TO DRAWING 86000-D0150-1005.
10. FOR POTASH COLLECTION SYSTEM AND TREATMENT SITE PLAN REFER TO DRAWING 86900-D0150-0010.

REFERENCE DRAWING		
REF #	DWG. NUMBER	DESCRIPTION
1	86902-D0000-0025	POTASH/COAL TREATMENT SYSTEM SECTIONS AND DETAILS
2	86903-D0000-0025	POTASH TREATMENT SYSTEM SECTIONS AND DETAILS

FOR PERMIT

PRELIMINARY

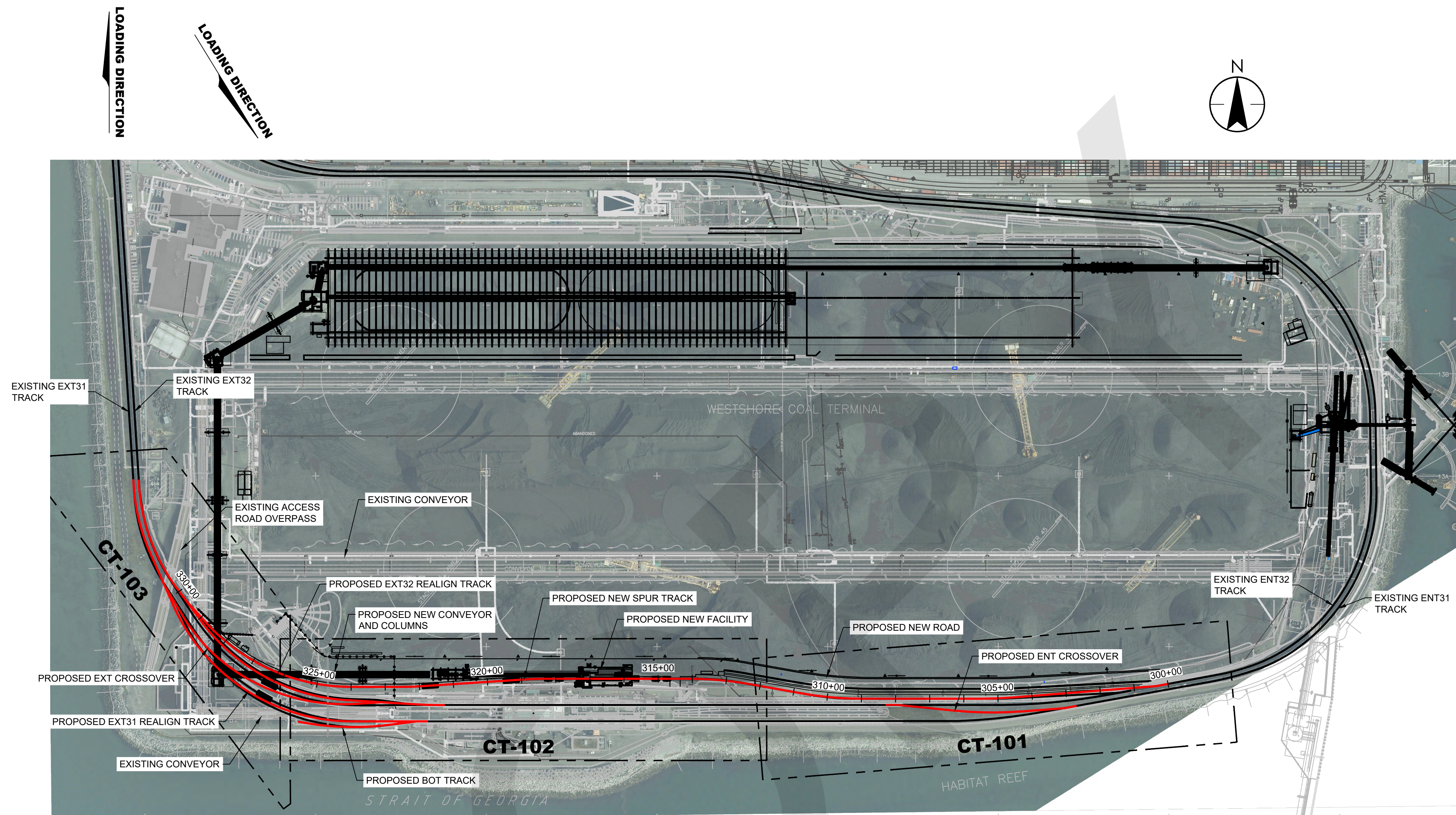
STAMP			
P2	DY	21/01/15	ISSUED FOR USE - STAGE 2 STUDY
P1	DY	20/12/23	ISSUED FOR REVIEW
No	By	Date	Revision

Client **Westshore Terminals LP**

Consultant **BINNIE**
The people behind your infrastructure.

B.F. BINNIE & ASSOCIATES LTD.
500-4840 Canada Way,
Burnaby BC V5G 4K6
TEL: 604 430 1721
BINNIE.com

Project Title NEW CARGO STUDY			
Title POTASH WASTEWATER COLLECTION SYSTEM POTASH/COAL TREATMENT SYSTEM GENERAL ARRANGEMENT			
Design CV	Drawn DY	Checked CV	Plot Scale
Date 21/01/15	Date 21/01/15	Date 21/01/15	AS NOTED
Drawing Number 86902-D0000-0010			Revision Number P2



KEY PLAN
1" : 200'

TRACK CAPACITY		
TRACK NAME	TOTAL ALIGNMENT LENGTH (FT) (INCLUDING REALIGNMENT AND TURNOUT LENGTH)	CLEAR CAPACITY (FT)
PROPOSED NEW SPUR	3,000	2,615
PROPOSED EXT32 REALIGN	1,245	N/A
PROPOSED EXT31 REALIGN	1,267	N/A
PROPOSED BOT	377	195
PROPOSED ENT CROSSOVER	557	179
PROPOSED EXT CROSSOVER	835	458

VANCOUVER FRASER PORT AUTHORITY
 This drawing has been reviewed by the Vancouver Fraser Port Authority solely for the purpose of VFPA's issuance of a Project Permit. This permit in no way denotes design, engineering or structural approval or endorsement.



N:\CADD\2021\20210404\20210404_06.dwg (115821026_06.dwg) 02_sheets\CT-0024key_plan.dwg
 2021/04/04 10:20 AM By: [Redacted] Dwg



4730 Kingsway
 Burnaby BC V5H 0C6
 www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
 The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Permit-Seal



FOR PERMIT

B	ISSUED FOR USE - NEW CARGO STUDY	D.K	S.T	D.K	B.E 21.06.04
A	ISSUED FOR 30% DESIGN	D.K	S.T	D.K	B.E 21.04.23
	ISSUED	Dwn.	Chkd.	Dsgn.	Appd. YY.MM.DD

CLIENT



CWA Engineers Inc.
 #380 - 2925 Virtual Way Vancouver BC
 V5M 4X5
 cwaengineers.com



1 Roberts Bank
 Delta, BC, Canada V4M 4G5
 www.westshore.com

ROBERTS BANK, DELTA, BC

**WESTSHORE TERMINALS
 NEW SPUR TRACK
 KEY PLAN**

Dwg. By: D.KONG	Chk. By: S.TEHRANI	Office File: CT-002-KEY_PLAN.DWG
		Scale: AS NOTED
Engineer: D.KONG		Date: 2021-04-23
Drawing No. CT-002	Sheet No. 3 of 10	Rev. B