

**PORT OF VALDEZ
COMMUNICATIONS SITE AGREEMENT**

This COMMUNICATIONS SITE AGREEMENT (Agreement) is hereby entered into on this 1 day of October, 2020 by and between the **CITY OF VALDEZ, ALASKA** (City), an Alaska municipal corporation, whose address is P.O. Box 307, Valdez, Alaska 99686 and Vertical Bridge S3 Assets, LLC (User), a Delaware limited liability company corporation whose address is 750 Park of Commerce Drive, Suite 200 Boca Raton, Florida 33487, as successor in interest to GCI Communication Corp.

WITNESSETH:

WHEREAS, the City is owner of that certain parcel of real property that is located in the Valdez Recording District, Third Judicial District, State of Alaska, described as follows:

Island F, a portion of ADL Nos. 201084 & 212412, also known as "Ammunition Island," referenced in Alaska Tidelands Survey 564, located in Township 8 South, Range 6 West, Copper River Meridian, Valdez Recording District, Third Judicial District, State of Alaska; and

Located upon that real property is the Valdez Container Terminal ("Terminal") including a certain grain handling facility with grain silos and an access tower upon which communications equipment may be placed ("Premises"); and

WHEREAS, User is engaged in the business of providing communication services in and around Valdez, Alaska, and desires to place certain equipment that is associated with the provision of communication services on and upon certain Terminal towers and structures and, further, desires to make and place certain improvements to and upon the Real Property whose function is to be associated with the operation of such equipment; and

WHEREAS, the City seeks to facilitate the provision of improved and innovative communications within Valdez and specifically find that this Agreement conforms therewith.

NOW, THEREFORE, IT IS MUTUALLY AGREED between the City and User as follows:

1. Use of Premises. The City grants user the right and privilege to use of the Premises as further defined in **Exhibit A** attached hereto.

User agrees to accept the premises AS IS, WHERE IS condition with all faults, and understands that the City makes no express or implied warranties, or representations that the Premises is fit for any particular purpose.

The City grants to User the right and privilege to come and be present upon and to make use of the Premises for the following purpose only:

To place, install, maintain and operate equipment associated with the provision of communications services within the City of Valdez and the surrounding vicinity. The equipment that User is permitted to place, install, operate, and maintain upon the Premises under this Agreement is depicted in **Exhibit B** attached hereto ("Equipment") as is the permitted location and configuration of the Equipment.

User shall not commit or allow to be committed waste upon or to the Premises or Terminal or any public or private nuisance or other act or thing (including but not limited to noise or vibration) which disturbs City, any neighboring property owner or tenant.

Prior to the execution of this Agreement, User shall provide the City with a detailed description of the Equipment and drawings indicating the location and configuration of the Equipment on the Terminal and all ground Equipment including utilities and access.

2. Fees. User shall pay to the City, in exchange for the right and privilege to use the Premises as is permitted under this Agreement, and for the Term thereof, the sum of TWENTY THOUSAND DOLLARS and NO CENTS (\$20,000.00) per year. The fee shall increase annually by THREE (3) PERCENT rounded to the nearest dollar unless otherwise adjusted by resolution of the Valdez City Council. Annual fees for the term of this Agreement shall be:

2020 – \$5,041 (Pro-rated)
2021 – \$20,000
2022 – \$20,600
2023 – \$21,218
2024 – \$21,855
2025 – \$22,510

Fees for any period during the term hereof which is less than one year shall be prorated based on a three hundred sixty-five (365) day year.

These fees shall be paid in advance in one annual payment on or before January 31, of each year. Fees shall be paid directly to the Port of Valdez, P.O. Box 787, Valdez, Alaska 99686.

3. Term. This Agreement shall be for a term of FIVE (5) years, commencing on October 1, 2020 and terminating on December 31, 2025, unless this Agreement is terminated at some earlier date under the terms and conditions set out hereinafter.

4. Extended Term. User shall have the right to extend the Term of this Agreement for a period of FIVE (5) years if and insofar as User gives written notice to the City of an intention to exercise this option no later than THIRTY (30) days prior to the expiration of the Term and that, at such time, User is not in default in the performance of any of the terms and conditions of this Agreement or has failed to comply with any of the terms and conditions hereof. Two additional FIVE (5) year extensions may be granted by the City if User is in compliance with this Agreement

and the City deems this to be in the best interest of the City. At each extension, the City may increase the use rate based upon the fair market rental value of the use by User.

5. Consent Required for Modifications. User shall not place or install any equipment, or make any alteration, addition, or improvement to any existing equipment previously placed or installed, or place or put any improvements on or to the Premises or Terminal, or commence any such undertaking without the prior written consent of the City after submitting a Modification Application Form attached as **Exhibit C** and a \$1,500 modification application fee.

As a condition precedent to such consent, User shall deliver to the City written plans, drawings, and specifications for all such work and provide a third-party structural analysis of such modifications and/or improvements. The plans shall show the layout of all proposed buildings, modifications to existing buildings or structures, and all other modifications, dimensions and locations of utilities if modified, specific use of said improvements, and a schedule of the completion dates for such modifications and other improvements. It is not the intent of this paragraph to restrict or prevent any required maintenance.

6. Interference with Terminal or City Operations. User shall not place, install, maintain, or operate any equipment on or come upon, occupy or use the Terminal or Premises so as to hamper the operation or use of the Terminal, cement powder storage and distribution facility, or any other facility or that interferes with or impairs any of the rights or benefits of the City. The use of the Terminal and Premises for purposes deemed of higher public benefit by the City takes precedent over any use by User. User shall not interfere with the Valdez Police Department or Valdez Fire Departments use of the premises for communication purposes including the maintenance of two antennas located on the Terminal towers and a receiver box.

7. Multi-Use Facility. User recognizes that the Valdez Container Terminal (VCT) is a multi-use facility. There will be occasions when User's personnel may be restricted from access to the Terminal due to Coast Guard, Department of the Army, Department of Defense, or any other applicable regulations. In addition, the City may restrict access to the Terminal as required for Port operations or otherwise. Any business interruptions associated with the City restricting access or otherwise closing the Terminal shall create no financial obligation upon the City for any cost of such interruption to User operations.

9. Compliance with Government Regulations. User shall comply and assumes sole responsibility for compliance with any and all economic, operational, safety, and other requirements as are or may be imposed by federal, state, municipal, or other law or regulatory body, that apply or relate thereto pursuant to its involvement in the communications business generally or cellular communications specifically; User agrees to reimburse the City its entire costs, including but not limited to the amounts of fines or penalties and costs of counsel, arising from any assertion or finding of a lack of compliance with any aforesaid laws and/or regulations arising out of or with respect to User's operations of the equipment associated with this Agreement.

10. Access. User understands that the Terminal is located on a regulated facility as defined by the U.S. Coast Guard, Department of Homeland Security and agrees to comply with

any and all regulations in 33 CFR, Chapter 1, Subchapter H, Part 105 – Maritime Security: Facilities.

User agrees to provide the Port office with a list of all employees or contractors needing access to the Terminal. All employees and contractors shall have a valid Transportation Worker Identification Credential (“TWIC”) or be escorted by a valid TWIC holder that has been approved for access to the Terminal and contact the Port Office to register TWIC for facility access in advance of arrival on site. Employees and contractors requiring access to the Terminal must pay the gate registration fee under the Port of Valdez Terminal Tariff (“Tariff”) in effect at the time of registration and will incur additional administration/maintenance charges under the Tariff when City assistance or escort is required to access the terminal.

Only certified climbers covered by the requisite tower climbing insurance may climb the tower located at the Terminal.

11. Nuisance. User shall immediately remove from the Terminal and Premises any of the following which are determined to be abandoned: buildings, improvements, vehicles, equipment, machinery or fixtures. User shall not allow a public nuisance to exist or to be created or maintained on the Premises or Terminal. If the City Manager or Port Director determines that User has failed to perform as required by this subsection, the City Manager or Port Director may direct User to secure a labor force to so perform at the sole expense of User and User shall do so immediately. If User fails to commence such performance within twenty-four hours after notice from the City Manager or Port Director, the City Manager or Port Director may arrange for such performance at the sole expense of User and User shall pay those expenses.

12. Indemnification. To the maximum extent permitted by law, User (Indemnitor) agrees to defend, indemnify, and hold harmless, the City, the City’s employees, and any/all other entities for which the City is, or may become, legally responsible (Indemnitees), against and from any and all claims in any way associated with anyone’s conduct under, induced by, and/or enabled by, this Agreement, alleged to have arisen in whole or in part as a result of any conduct on the part of the Indemnitor and/or one or more of the Indemnitees.

13. Insurance Requirements. All insurance policies required to be maintained by User under this paragraph shall name the City, and its officers, employees and agents, as additional insureds. All policies issued under paragraph shall contain an agreement by the insurers that such policies shall not be cancelled without at least twenty (20) days prior written notice to the City, and certificates or copies of all such insurance policies shall be furnished to the City promptly upon request therefor. All policies shall contain a waiver of any subrogation rights any insurer might have against the City. User shall maintain, at its own expense, insurance as follows:

General Commercial Liability: User shall Maintain a General Commercial Liability insurance policy covering the User and the City for any and all claims for personal injury, bodily injury (including death) and property damage (including environmental degradation or contamination) arising from any activity occurring as a result of this Agreement.

A. Minimum limits:

1. \$1,000,000 Each occurrence
2. \$100,000 Damage to rented premises
3. \$1,000,000 Personal injury
4. \$3,000,000 General aggregate
5. \$3,000,000 Products and completed operations aggregate

B. Coverages:

1. The policy shall contain additional insured endorsement CG 20 10 04 13 and CG 20 37 04 13 or equivalent as approved by Contractor.

Auto Liability: User shall maintain business auto liability insurance covering liability arising out of any auto (including owned, hired, and non-owned autos).

A. Minimum Limits:

1. \$1,000,000 Combined single limit for each accident.

B. Coverages:

1. Additional insured endorsement
2. Waiver of subrogation
3. Contractual liability

Workers' Compensation: User shall maintain Workers' Compensation and Employer's Liability Insurance.

A. Minimum Limits:

1. Workers' compensation – statutory limit
2. Employer's liability:
 - \$1,000,000 bodily injury for each accident
 - \$1,000,000 bodily injury by disease for each employee
 - \$1,000,000 bodily injury disease aggregate

B. Coverages:

1. The policy shall provide for a waiver of subrogation in favor of the parties required to be named additional insured under the User's General Liability policy.

Umbrella Liability: User shall maintain shall Maintain an Umbrella Liability insurance policy covering the User and the City.

A. Minimum Limits:

1. \$5,000,000 per occurrence.

14. **Termination.** This Agreement may be terminated by the City should User's use interfere with the City's use of the Premises or Terminal for purposes deemed by the City as in the

best interest of the public, by providing User with one hundred eighty (180) days prior written notice of termination. This Agreement may be terminated by the City upon User's failure to perform or comply with any of the conditions or obligations contained in this Agreement, or the filing of a petition in bankruptcy or insolvency, or for reorganization or for the appointment of a receiver or trustee, by or against User; in such event, the City shall give User ten (10) days prior written notice of the termination and User shall have thirty (30) days to remove any of its equipment from the Terminal and Premises. This Agreement may be terminated by User upon thirty (30) days prior written notice of the termination and User shall then have thirty (30) days from the date of such notice to remove all of its equipment from the Terminal and Premises. The City reserves the right to terminate this agreement if it is in the best interest of the public to do so.

15. Radio Interference. At the City's request, User shall discontinue the use of the Terminal as a transmitting/receiver site should User's use interfere with any FCC licensed transmitter, receiver, or navigation aid until the cause of the interference is eliminated.

16. Assignability/ Use by Other Parties. User shall not assign (by operation of law or otherwise) or transfer this Agreement or any interest therein without the prior written consent of the City. User may not allow other parties to utilize User's equipment installed on the Premises without the prior written consent from the City. User shall immediately disclose any use of the Premises or User's equipment installed thereon by any party other than User. Failure to make such a disclosure will result in the imposition of a penalty in the amount of \$20,000 per year that User failed to make such a disclosure. Execution of this Agreement by User shall serve as a certification by User that no other parties are utilizing User's equipment installed on the Premises as of the date of execution.

17. Non-exclusive Use. The use of the Terminal and Premises by User will not be an exclusive use and therefore others who request to use it for similar purposes may also be allowed to do so by the City.

18. Snow and Bird Waste Removal. User will be responsible for all snow and bird waste removal necessary for its use under this Agreement.

19. Utility Installation/Usage. User will be responsible for the cost of installation of and the utilization of electricity needed for its use. User may utilize, if feasible, the existing port master meter to access power to the site of User's facilities. The City will bill User for reimbursement for the cost of power plus \$0.025 per KWH and the cost of other utilities used by User under this Agreement. User is responsible for obtaining and maintaining a separate electricity meter for its use under this Agreement.

20. Removal of Equipment. Upon the expiration or termination of this Agreement, User, at its sole cost and expense, will be responsible for the removing all equipment installed on the Terminal and/or Premises and restoring the Terminal and/or Premises to its condition prior to installation of the equipment except for normal wear and tear. Failure to remove the Equipment and restore the Premises as required in this paragraph within SIXTY (60) days of the expiration or termination of this Agreement will result in the Equipment being deemed abandoned

21. Environmental Laws.

- (a.) User represents, warrants, and agrees that it will conduct its activities on the Premises in compliance with all applicable Environmental Laws, and will keep the Premises free of Hazardous Substances, except for fuel for emergency generators. The City represents, warrants, and agrees that it has in the past and will in the future conduct its activities on the Premises in compliance with all applicable Environmental Laws and that the Premises is free of Hazardous Substances as of the date of this Agreement.
- (b.) The City shall be responsible for, and shall promptly conduct any investigation and remediation as required by any Environmental Laws or common law, of all spills or other releases of Hazardous Substance, caused by the City, that have occurred or which may occur on the Premises. User shall be responsible for, and shall promptly conduct any investigation and remediation as required by any Environmental Laws or common law, of all spills or other releases of Hazardous Substance, caused by the User, that have occurred or which may occur on the Premises.
- (c.) User agrees to defend, indemnify, and hold the City harmless from and against any and all claims, causes of action, demands, and liability including, but not limited to, damages, costs, expenses, assessments, penalties, fines, losses, judgments, and attorney's fees that the City may suffer due to the existence or discovery of any Hazardous Substance on the Property or the migration of any Hazardous Substance to other properties or released into the environment arising solely from User's activities on the Property.
- (d.) The indemnifications in this section specifically include costs incurred in connection with any investigation of site conditions or any cleanup, remedial, removal, or restoration work required by any governmental authority.

22. Notices. All notices hereunder must be in writing and shall be deemed validly given if hand delivered or sent by certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service, addressed to the City or User at the addresses indicated below (or any other address that the Party to be notified may have designated to the sender by like notice). Notice shall be effective upon actual receipt or refusal as shown on the receipt obtained pursuant to the foregoing.

USER

	Cell Site / Technician	Lease Management	Billing Division
Name:	Richard Kennepohl	Kendahl Voelker	Jessica Vinson
Address:	750 Park of Commerce	Dr. Suite 200, Boca Raton, FL 33487	
Phone:	877-589-6411	561-348-5232	561-406-4024
Email:	RKennepohl@Verticalbridge.com	KVoelker@Verticalbridge.com	JVinson@Verticalbridge.com
*	Operations	Asset Mgmt / Legal	AP

* Check for Notification of Terminal Closures and Planned Outages

CITY

Name: Jeremy Talbott
Address: P.O Box 307
Valdez, AK 99686
Phone: (907) 835-4564
E-Mail: JTalbott@valdezak.gov

23. Governing Law/Venue. This Agreement shall be governed by and construed and enforced in accordance with the laws of the State of Alaska. Any legal action brought to enforce this Agreement must be filed in the appropriate Alaska state court located in Valdez, Alaska.

24. Entire Agreement. This Agreement contains the entire agreement of the parties with respect to the matters covered by this lease, and no other agreement, statement or promise made by any party which is not contained in this lease shall be binding or valid.

IN WITNESS WHEREOF, the parties to this presence have executed this CONTRACT in two (2) counterparts, each of which shall be deemed an original, in the year and day first mentioned above.

VERTICAL BRIDGE S3 ASSETS, LLC
AUTHORIZED:

BY: [Signature]

Adam Ginder

DATE: 3-24-21

TITLE: VP

FEDERAL ID #: 82-4285317

750 Park of Commerce Dr.
Mailing Address Ste 200

Boca Raton FL 33487
City, State, Zip Code

Signature of Company Secretary or Attest

Date: 3-24-2021

Vertical Bridge S3 Assets, LLC
Communications Site Agreement

CITY OF VALDEZ, ALASKA
APPROVED:

[Signature]

Sharon Scheidt, Mayor

Date: 2/23/21

ATTEST:

[Signature]

Sheri L. Pierce, MMC, City Clerk

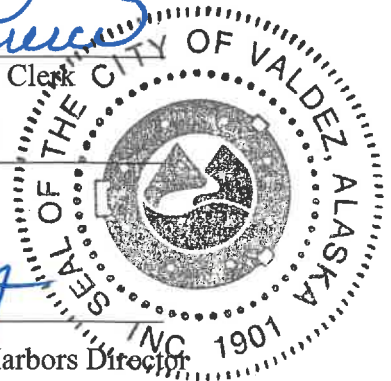
Date: 2/23/21

RECOMMENDED:

[Signature]

Jeremy Talbott, Ports and Harbors Director

Date: 2-23-21



APPROVED AS TO FORM:

Brena, Bell & Walker, P.C.



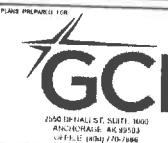
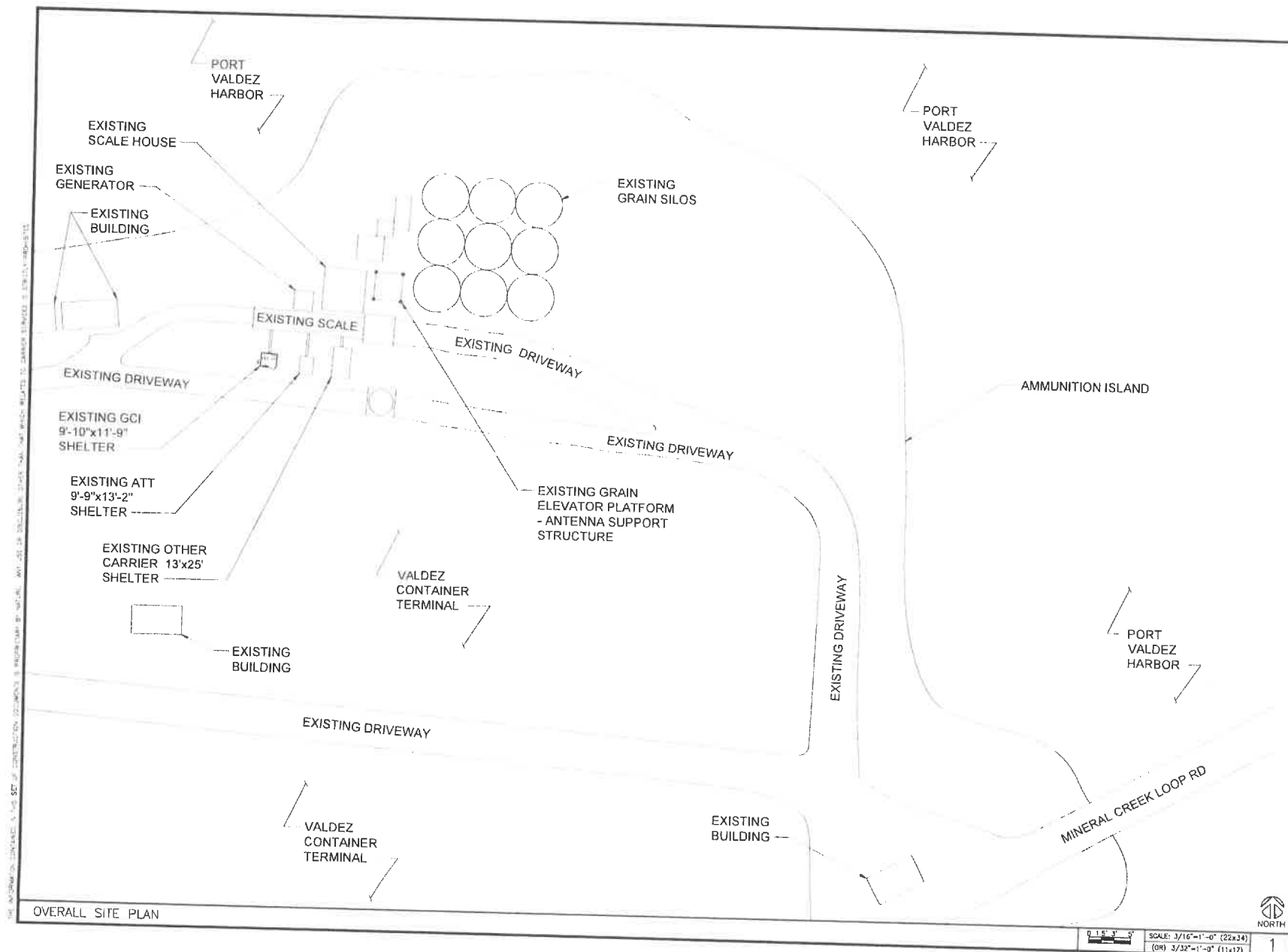
Jake W. Staser

Date: _____

2/23/21

EXHIBIT A

Map/Description of Premises



5/8 South's 1400s
 4000, 2000
 110 572, 100 Fax, 520.5 22
 GPD, 41111- 2010/225 034 2

REVISIONS			
REV.	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	DR
B	12/22/20	ISSUED FOR REVIEW	DR
D	02/16/21	100% DRAWINGS - CONSTRUCTION SET	CA

NOT FOR CONSTRUCTION UNLESS
 LABELED AS CONSTRUCTION SET



DATE _____
I HEREBY CERTIFY THAT THESE PLANS
WERE PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A
DULY REGISTERED UNDER THE STATE OF
"ALASKA"

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SHEET TITLE

OVERALL
SITE PLAN

SHEET NUMBER

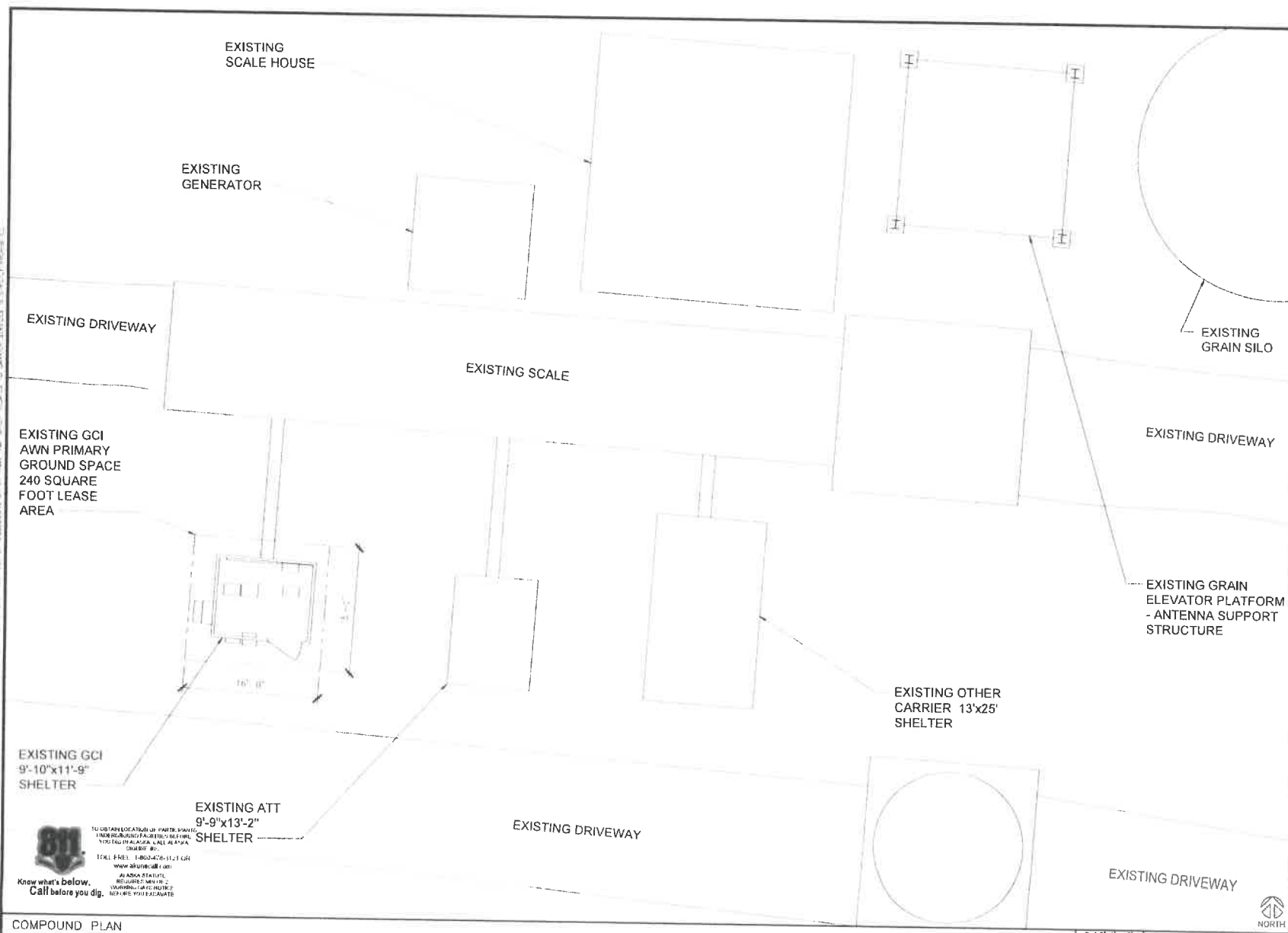
C1



0 1.5' 3'

SCALE: 3/16"=1'-0" (22xJ)
(OR) 3/32"=1'-0" (11x17)

10



COMPOUND PLAN



Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PUBLIC UTILITY
UNDERGROUND FACILITIES BEFORE
YOUR PROJECT, CALL 800-4-A-ALASKA
CHARTER #1
TOLL FREE: 1-800-4-A-ALASKA
www.alaska.dig.com
ALASKA STATE
REGULATORY DIVISION
UNIVERSITY OF ALASKA
NORTH SLOPE DISTRICT

PLANS PREPARED FOR

2500 DENALI DRIVE, SUITE 100
ANCHORAGE, AK 99503
GCI-1-800-770-7865

PLANS PREPARED BY

GPD GROUP, INC.
1005 5th Avenue, Suite 100
Anchorage, AK 99501
Tel: 907.261.1111
Fax: 907.261.1192
GPD-JOH: 2020/2/5 08:14:01

REVISIONS

REV.	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	D
H	12/22/20	ISSUED FOR REVIEW	DRG
D	02/16/21	100% DRAWINGS CONSTRUCTION SET	CAT

NOT FOR CONSTRUCTION UNLESS
LABELLED AS CONSTRUCTION SET

DATE: _____

I HEREBY CERTIFY THAT THESE PLANS
WERE PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A
DULY LICENSED UNDER THE STATE OF
"ALASKA"

VALDEZ GRAIN TERMINAL
SITE No. 904
1450 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE

COMPOUND
PLAN

SHEET NUMBER

C2

SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)



1

EXHIBIT B

List of Specific Uses and Equipment to be Installed on Premises



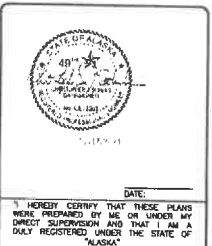
VALDEZ GRAIN TERMINAL SITE No. 904

1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE UPGRADE
CONSTRUCTION DRAWINGS



REVISIONS			
NO.	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	G
B	12/22/20	ISSUED FOR REVIEW	DRB
C	02/16/21	100% DRAWING - CONSTRUCTION SET	CAT

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SHEET TITLE

TITLE SHEET

SHEET NUMBER
T1

PROJECT INFORMATION

SITE NAME: VALDEZ GRAIN TERMINAL
SITE No.: 904
BOROUGH: VALDEZ-CORDOVA
ADDRESS: 1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
JURISDICTION: CITY OF VALDEZ
LATITUDE: 61.126197°
LONGITUDE: -146.307564°
APPLICANT/LESSEE: GCI
2550 DENALI ST. SUITE 1000
ANCHORAGE, AK 99503
(907) 265-5600
PROPERTY OWNER: CITY OF VALDEZ
PO BOX 307
VALDEZ, AK 99686
TOWER OWNER: VERTICAL BRIDGE REIT, LLC
750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
PARCEL ID: TBD
LEGAL DESCRIPTION: ISLAND F, A PORTION OF ADL NOS
201084 AND 212412, ALASKA TIDE
WATERS SURVEY 564

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

GROUND LEVEL:

- REMOVE (1) EXISTING RBS 6201 RACK
- REMOVE (1) EXISTING PBC 6500 RACK
- REMOVE (1) EXISTING NORTEL 3031 CABINET
- REMOVE (1) EXISTING METER/MAN
- REMOVE (2) FAN HOODS, (1) LOUVER AND (1) FAN
- REPLACE EXISTING AC PANEL AND GEN PLUG
- INSTALL (3) NEW RCKDC-6140-PF-48 RAYCAPS
- INSTALL (1) NEW 2 POST EQUIPMENT RACK
- INSTALL (2) NEW 4 POST BATTERY RACKS
- INSTALL (1) NEW ICE BRIDGE
- INSTALL (1) NEW AIRSYS FCB AND FCB CONTROLLER

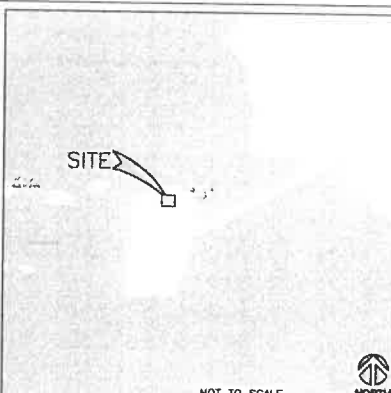
ANTENNA LEVEL:

- INSTALL (1) NEW METER/MAIN
- INSTALL (2) WEIGHT DISTRIBUTION PLATES
- INSTALL (1) NEW TVSS
- INSTALL (1) NEW FUSED DISCONNECT AND (1) NEW TRANSFORMER
- REMOVE (3) EXISTING UNITS PANEL ANTENNAS
- REMOVE (12) EXISTING 1-5/8" COAX LINES
- INSTALL (3) NEW CCI TP6GR-TEGC ANTENNA
- INSTALL (3) NEW ERICSSON 4480 RADIOS
- INSTALL (3) NEW ERICSSON 4449 RADIOS
- INSTALL (3) NEW RCKDC-6140-PF-48 RAYCAPS
- INSTALL (3) NEW 1-1/4" HYBRID FIBER LINES

SITE PHOTO



VICINITY MAP



NOT TO SCALE



PROJECT CONSULTANTS

PROJECT MANAGEMENT: GCI
2550 DENALI ST., SUITE 1000
ANCHORAGE, AK 99503
CONTACT: PETER MAUS
EMAIL: PMAUS@GCI.COM
ENGINEER: CHRIS SCHEKS
GPD GROUP, INC.
520 SOUTH MAIN STREET, STE. 2531
AKRON, OHIO 44311
CONTACT: RAYMOND FABER
PHONE: (206) 204-7451
CONSTRUCTION: GCI
2550 DENALI ST. SUITE 1000
ANCHORAGE, AK 99503
CONTACT: DAN GORDON
PHONE: (907) 312-9592
EMAIL: DGORDON@GCI.COM

DRIVING DIRECTIONS

DIRECTIONS FROM: VALDEZ PIONEER FIELD AIRPORT (VALDEZ, AK 99686):

HEAD WEST ON AIRPORT RD TOWARD HANGER WAY (1.1 MI.). TURN RIGHT ONTO MINERAL CREEK LOOP RD (0.8 MI.). TURN LEFT TO STAY ON MINERAL CREEK LOOP RD (0.5 MI.) AND THE DESTINATION WILL BE ON THE RIGHT.

1460 CONTAINER TERMINAL WAY, VALDEZ, AK 99686



Know what's below.
Call before you dig.

FOR UTILITY LOCATION, TAPING & MARKING
UNDERGROUND UTILITIES, CALL 811
TOLL FREE 1-800-478-2111 OR
WWW.811AK.COM
ALASKA STATUTE
RELATING TO UTILITIES
BEFORE YOU DIG ACTS

DRAWING INDEX

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- C2 COMPOUND PLAN
- C3 EQUIPMENT SHELTER PLANS
- C4 SILO/GRAIN TERMINAL/BANT ELEVATIONS
- C5 SILO/GRAIN TERMINAL/BANT ELEVATIONS
- C6 SILO/GRAIN TERMINAL/BANT ELEVATIONS
- C7 SILO/GRAIN TERMINAL/BANT ELEVATIONS
- RF1 ANTENNA PLAN & RF SCHEDULE
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- E02 EQUIPMENT DETAILS
- E03 EQUIPMENT DETAILS
- S1 STRUCTURAL NOTES
- S2 SHELTER DETAILS & SECTIONS
- S3 SHELTER DETAILS & SECTIONS
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- E101 ELECTRICAL SITE PLAN (EIC ENGINEERS)
- E201 ONE-LINE DIAGRAMS, DETAILS, & SCHEDULES (EIC ENGINEERS)
- E301 PANEL SCHEDULES (EIC ENGINEERS)
- E401 DC GROUNDING DETAILS (EIC ENGINEERS)
- E402 DC GROUNDING DETAILS (EIC ENGINEERS)

CODE COMPLIANCE

- 2012 INTERNATIONAL BUILDING CODE
- ASCE 7-10
- ANSI/ISA-222 STRUCTURAL STANDARD FOR ANTENNA STRUCTURES
- NFPA 780-LIGHTNING PROTECTION CODE
- 2017 NFPA NATIONAL ELECTRICAL CODE

SPECIAL NOTES

- EXISTING CONDITIONS WILL BE CHANGED & VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 11"x17" SHEET SIZE.
- STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED.
- SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

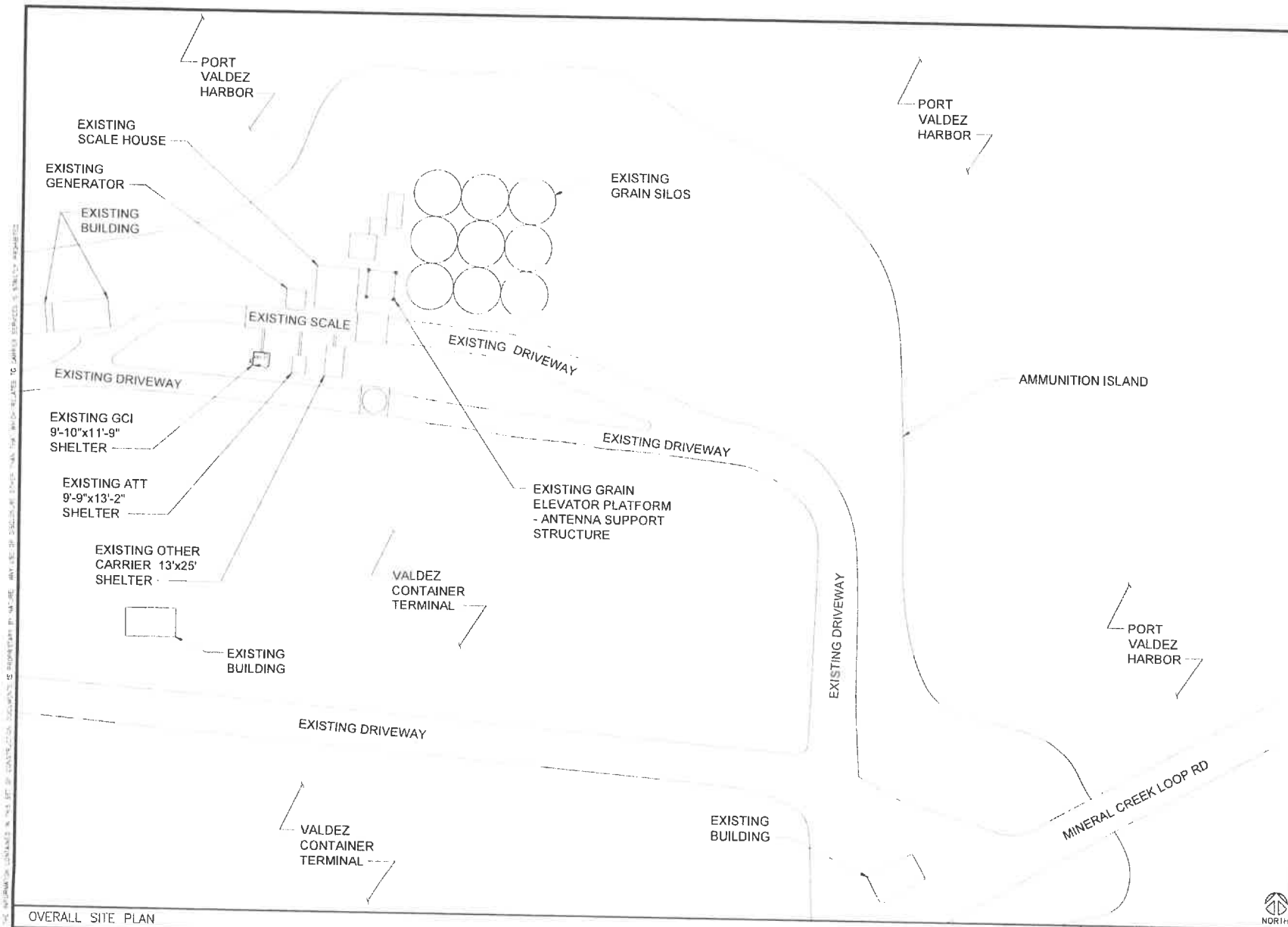
CONTRACTOR NOTES

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

[illegible]

2500 NE WALKER ST. SUITE 1000
MILWAUKEE, WI 53212
Phone: (414) 773-1000

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OVERALL SITE PLAN

PLANS PREPARED FOR:



2550 L HALL ST. SUITE 1000
VALDEZ, ALASKA 99686
GCI TEL: (907) 747-1600

PLANS PREPARED BY:




GPD GROUP, INC.
137 South Park Street
Anchorage, Alaska 99503
Tel: (907) 263-1234
Fax: (907) 263-1235
GPD 40188 2020/29, 904.01

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	DR
B	12/17/20	ISSUED FOR REVIEW	DR
C	02/16/21	THESE DRAWINGS - CONSTRUCTION SET	CAT

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DATE: _____

I HEREBY CERTIFY THAT THESE PLANS
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DIRECT SUPERVISION AND THAT I AM A
LEGALLY REGISTERED ENGINEER IN THE STATE OF
ALASKA

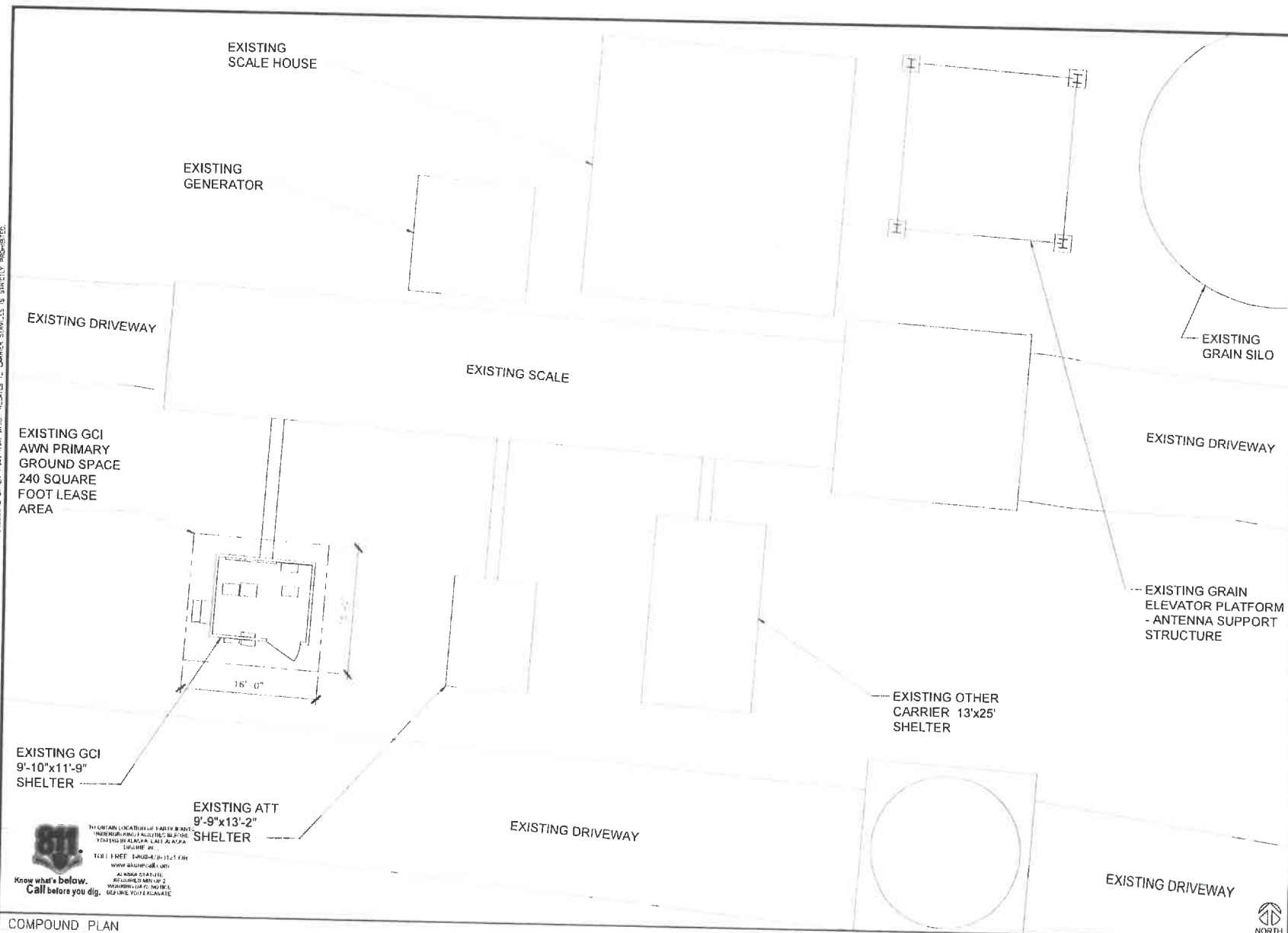
VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET 0116
**OVERALL
SITE PLAN**

SHEET NUMBER
C1

0' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'
SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)
NORTH
1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



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INSTRUCTIONS, PLEASE VISIT
WWW.AKSTATECALL.COM
TOLL FREE 1-800-4-A-ALASKA
WWW.AKSTATECALL.COM
AK STATE CALL
RECORDING SERVICE
RECORDING SERVICE
RECORDING SERVICE

COMPOUND PLAN

0 1' 2' 3' 5'
SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)



REVISIONS				
REV	DATE	DESCRIPTION	BY	CHK
A	12/15/20	ISSUED FOR REVIEW	URS	
U	12/22/20	ISSUED FOR REVIEW	URS	
D	02/18/21	100% DRAWINGS - CONSTRUCTION SET	CAT	

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FAIRLY AS CONSTRUCTION SET



VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SHEET TITLE
**COMPOUND
PLAN**

SHEET NUMBER
C2

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EXISTING BASEBOARD HEATER
EXISTING RBS 6201 TO BE
REMOVED

EXISTING FAN HOOD
TO BE REMOVED

EXISTING PBC 6500 TO BE
REMOVED

EXISTING HVAC UNIT

EXISTING AC PANEL TO BE
REMOVED
EXISTING METER TO BE
REMOVED

EXISTING MANUAL TRANSFER SWITCH TO
REMAIN WITH GENERATOR PLUG BELOW TO BE
REMOVED

EXISTING ICE BRIDGE (TYP.)

EXISTING TELCO BOARD

EXISTING WALL MOUNTED RACK

EXISTING NORTEL 3031 TO BE
REMOVED

EXISTING FAN HOOD
TO BE REMOVED

15' - 0"
LEAF AREA

EXISTING EQUIPMENT SHELTER PLAN



0 3 6 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1

PROPOSED ICE
BRIDGE

PROPOSED GCI (3) RAYCAP
RCKDK-6145-PF-48
MOUNTED TO EXTERIOR
WALL

PROPOSED GCI 4 POST 2
HR BATTERY RACK
WITH WEIGHT
DISTRIBUTION PLATE

PROPOSED GCI
DISCONNECT

PROPOSED GCI 4 POST
8 HR BATTERY RACK
WITH WEIGHT
DISTRIBUTION PLATE

EXISTING HVAC UNIT

PROPOSED AC PANEL
WITH NE TVSS BELOW

PROPOSED METER

PROPOSED GCI XFMR
TRANSFORMER

EXISTING ICE BRIDGE (TYP.)
(3) PROPOSED 4" PENETRATIONS
(SITEPROJ. E.1635)

EXISTING BASEBOARD HEATER

EXISTING TELCO BOARD

EXISTING WALL MOUNTED RACK

PROPOSED AIRSYS FCB
AND FCB CONTROLLER

PROPOSED GCI 2 POST
EQUIPMENT RACK

EXISTING MANUAL TRANSFER SWITCH WITH
PROPOSED GENERATOR PLUG BELOW

18' - 0"
LEAF AREA

PROPOSED EQUIPMENT SHELTER PLAN



0 3 6 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

2



REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	
B	12/22/20	ISSUED FOR REVIEW	
C	02/16/21	YOUR CHANGES CONSTRUCTION SET	CAT

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ALASKA

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE
EQUIPMENT
SHELTER
PLAN

SHEET NUMBER
C3

NOTES: 1. PROPOSED ANTENNA MOUNTING DETAILS IN PROJECTIONS AND CONSTRUCTION DETAILS WILL BE PROVIDED IN THE LATE CONSTRUCTION DRAWING SET.

EXISTING ANTENNAS BY OTHERS TO REMAIN

1/2 OF EXISTING GCI ANTENNAS
ELEV. 135'-6"

TOP OF TOWER
ELEV. 135'-0"

EXISTING ANTENNAS BY OTHERS TO REMAIN

EXISTING GCI EMISSION MW
DISH ANT2 0.9 10/11 HP
ANTENNA TO REMAIN

EXISTING GCI RES
AKTSEUW-16DWS-E
ANTENNAS TO BE REMOVED
FROM WEST ELEVATION
(3 TOTAL, 1 PER SECTOR)

EXISTING SILO/GRAIN TERMINAL/BANT WEST ELEVATION



0 1 2 4
SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

1

NOTES:
1. PROPOSED ANTENNA MOUNTING DETAILS IN PROJECTIONS AND CONSTRUCTION DETAILS WILL BE PROVIDED IN THE LATE CONSTRUCTION DRAWING SET.

EXISTING ANTENNAS BY OTHERS TO REMAIN

1/2 OF EXISTING GCI ANTENNAS
ELEV. 135'-6"

TOP OF TOWER
ELEV. 135'-0"

PROPOSED EMISSION 4449
RADIUS
(3 TOTAL, 1 PER SECTOR)

1/2 OF PROPOSED GCI ANTENNAS
ELEV. 124'-5"

PROPOSED EMISSION 4480
RADIUS
(3 TOTAL, 1 PER SECTOR)

PROPOSED GCI TOWER-FLUC
ANTENNAS ON NORTH ELEVATION
(3 TOTAL, 1 PER SECTOR)

PROPOSED EMISSION 6140-17-48
RADIUS
(3 TOTAL, 1 PER SECTOR)

EXISTING ANTENNAS BY OTHERS TO REMAIN

EXISTING GCI EMISSION MW
DISH ANT2 0.9 10/11 HP
ANTENNA TO REMAIN

PROPOSED SILO/GRAIN TERMINAL/BANT WEST ELEVATION



0 1 2 4
SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

2



REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	JD
B	12/22/20	ISSUED FOR REVIEW	DHB
C	02/16/21	ISSUED FOR REVIEW	CONSTRUCTION SET

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VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE
SILO/GRAIN
TERMINAL/BANT
ELEVATIONS

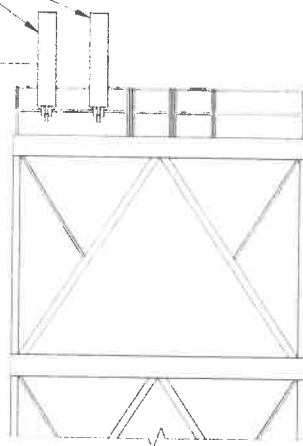
SHEET NUMBER
C4

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS INTENDED TO BE USED BY THE GRANTEE OF THE LICENSE TO CONSTRUCT A FACILITY FOR THE PROJECT DESCRIBED HEREIN. THE GRANTEE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR COMPLYING WITH ALL APPLICABLE REGULATIONS AND ORDINANCES. THE GRANTEE SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, MAINTENANCE, AND OPERATION OF THE FACILITY. THE GRANTEE SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITY FROM DAMAGE BY OTHERS. THE GRANTEE SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITY FROM THEFT AND VANDALISM. THE GRANTEE SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITY FROM FIRE AND OTHER DISASTERS. THE GRANTEE SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITY FROM ALL OTHER THREATS. THE GRANTEE SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FACILITY FROM ALL OTHER THREATS.

EXISTING ANTENNAS BY OTHERS
TO REMAIN

• C OF EXISTING ANTENNAS
ELEV. 135' 6"

• TOP OF TOWER
ELEV. 135' 0"



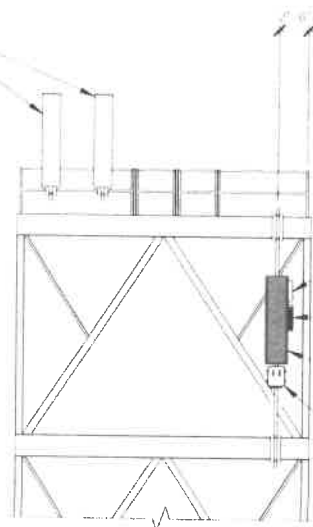
EXISTING SILO/GRAIN TERMINAL/BANT NORTH ELEVATION

NOTES:
1. PROPOSED ANTENNA MOUNTING BRACKET ON
TOWER AND STRUCTURAL DETAILS
WILL BE PROVIDED IN THE SITE
CONSTRUCTION DRAWING SET

EXISTING ANTENNAS BY OTHERS
TO REMAIN

• TOP OF TOWER
ELEV. 135' 0"

• C OF PROPOSED CD ANTENNAS
ELEV. 124' 5"



PROPOSED ERICSSON 4449
ANTENNAS
(1 TOTAL, 1 PER SECTOR)

PROPOSED ERICSSON 4480
ANTENNAS
(1 TOTAL, 1 PER SECTOR)

PROPOSED COL 3P458-1166
ANTENNAS ON NORTH ELEVATION
(1 TOTAL, 1 PER SECTOR)

PROPOSED BOKU - 6140 - 1P - 48
ANTENNAS
(1 TOTAL, 1 PER SECTOR)

PROPOSED SILO/GRAIN TERMINAL/BANT NORTH ELEVATION

0 1 2 4
SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)



NORTH



NORTH



REVISIONS			
REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	BRB
H	12/22/20	ISSUED FOR REVIEW	BRB
D	02/16/21	YOUR DRAINAGE CONSTRUCTION SET	CAT

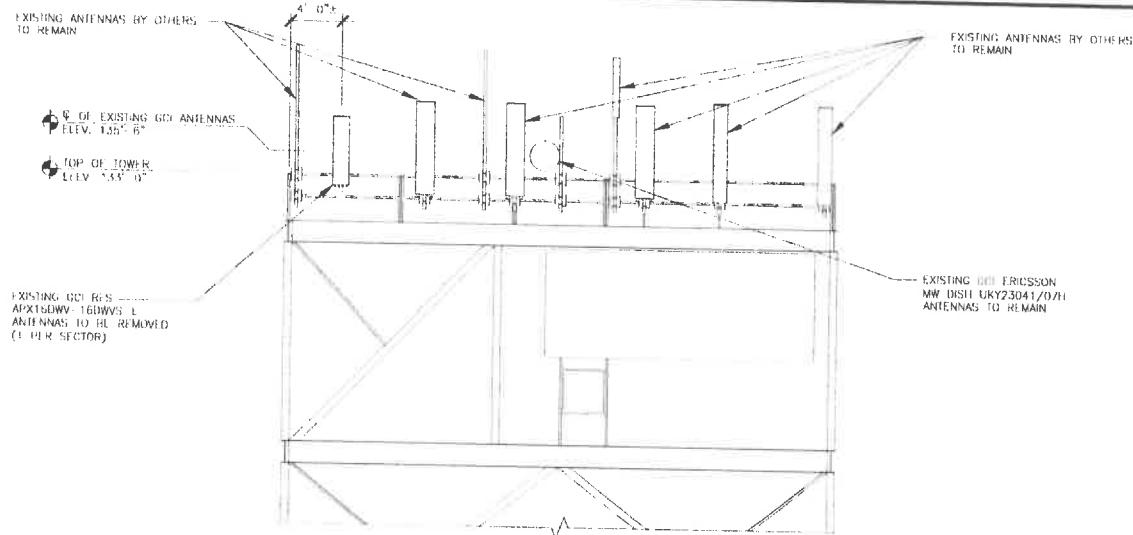


VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE
SILO/GRAIN
TERMINAL/BANT
ELEVATIONS

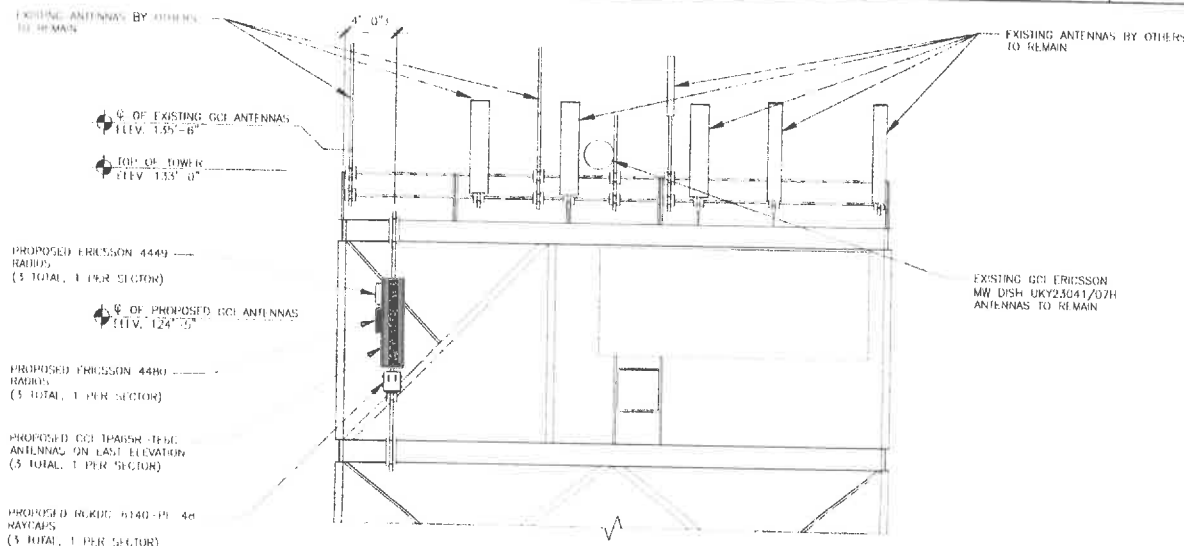
SHEET NUMBER
C5

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EXISTING SILO/GRAIN TERMINAL/BANT EAST ELEVATION

NOTES:
1. PROPOSED ANTENNAS MOUNTING HEIGHTS TO ANTENNAS AND SHAFTS SHALL BE AS SHOWN. ALL ANTENNAS TO BE INSTALLED ON THE TOP OF THE STRUCTURE DRAWING SET.



PROPOSED SILO/GRAIN TERMINAL/BANT EAST ELEVATION

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)



1

PLANT PREPARED FOR:

2000 HAWAII STREET, SUITE 1000
HONOLULU, HI 96813
OFFICE: (808) 733-1000

PLANT PREPARED BY:

444 South Street
Honolulu, HI 96813
GPD JOB#: 2020725, 904-01

REVISIONS

REV.	DATE	DESCRIPTION
A	12/15/20	ISSUED FOR REVIEW
B	12/22/20	ISSUED FOR REVIEW
C	02/16/21	ISSUED FOR REVIEW

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DATE: _____

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VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

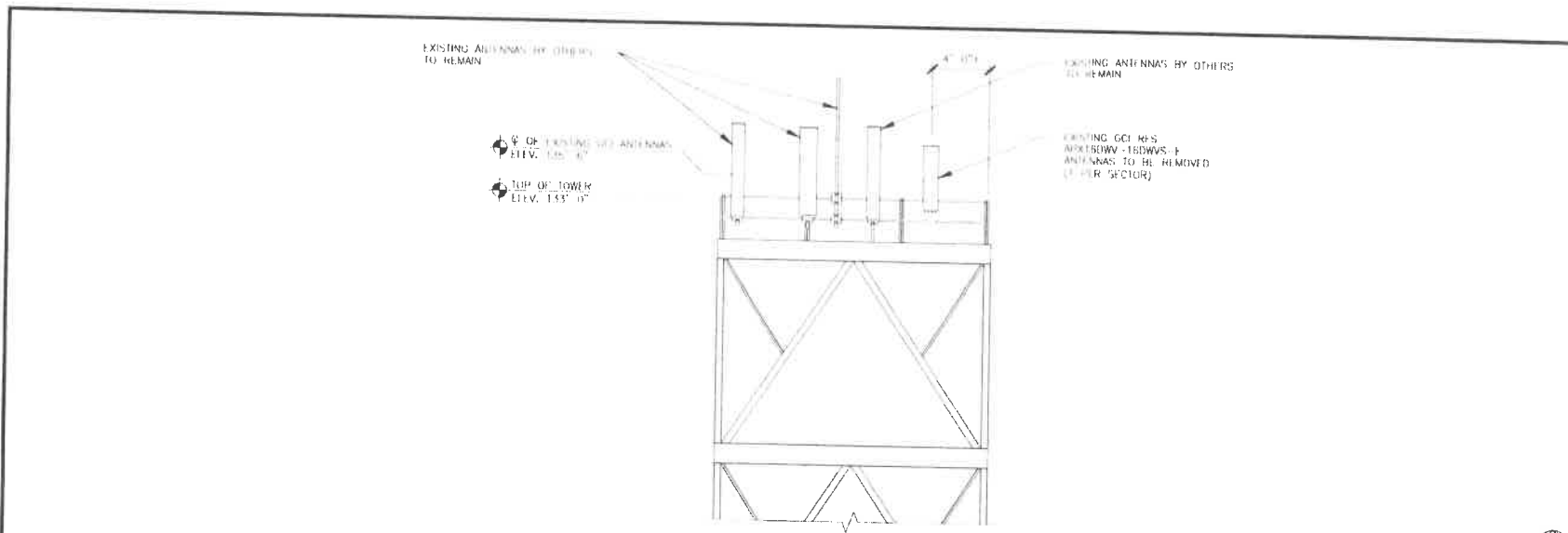
SHEET TITLE
**SILO/GRAIN
TERMINAL/BANT
ELEVATIONS**

SHEET NUMBER
C6

SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)



2



EXISTING SILO/GRAIN TERMINAL/BANT SOUTH ELEVATION

NOTES
1. PROPOSED ANTENNA MOUNTING DESIGN IN PROGRESS AND STRUCTURAL DETAILS WILL BE INCLUDED IN THE 100% CONSTRUCTION DRAWING SET

EXISTING AND TO REMAIN

TOP OF TOWER
ELEV. 13.5'-0"

Q OF PROPOSED ANTENNAS
ELEV. 124' 5"

LASTING ANTENNAS BY OTHERS

PROPOSED EMISSION 4449
RAJOD;
(3 TOTAL, 1 PER SECTOR)

PROPOSED ERICSSON 4400
RADIO,
(3 TOTAL, 1 PER SECTOR)

PROPOSED CCI TP65R-TEBC
ANTENNAS ON SOUTH ELEVATION
(3 TOTAL, 1 PER SECTOR)

PROPOSED RCKDC-6140-PF-48
RAYCAPS
(3 TOTAL, 1 PER SECTOR)

PROPOSED SILO/GRAIN TERMINAL/BANT SOUTH ELEVATION

0 1 2 4 SCALE: 1/4" = 1'-0" (22x34)
(OR) 1/8" = 1'-0" (11x17)



1

PLAYS FOR SALE 151



2550 HENALIST STREET 1003
ALBUQUERQUE NM 87103
- 505-261-7777

PLANS PREPARED BY:



8 South Main Street
Albany, NY 12242
518.262.2100 Fax: 518.262.2101

REVISIONS

REVISIONS		
REV.	DATE	DESCRIPTION
A	12/15/20	ISSUED FOR REVIEW L.
B	12/22/20	ISSUED FOR REVIEW DRH
C	02/16/21	YOUR DRAWINGS CONSTRUCTION SET CAT

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DULY REGISTERED UNDER THE STATE OF

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WA
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SILO/GRAIN
TERMINAL/BANT
ELEVATIONS

SHEET NUMBER

C7

0 1 2' 4' SCALE: 1/4" = 1' - 0" (22x34)
(OR) 1/8" = 1' - 0" (11x17)



1

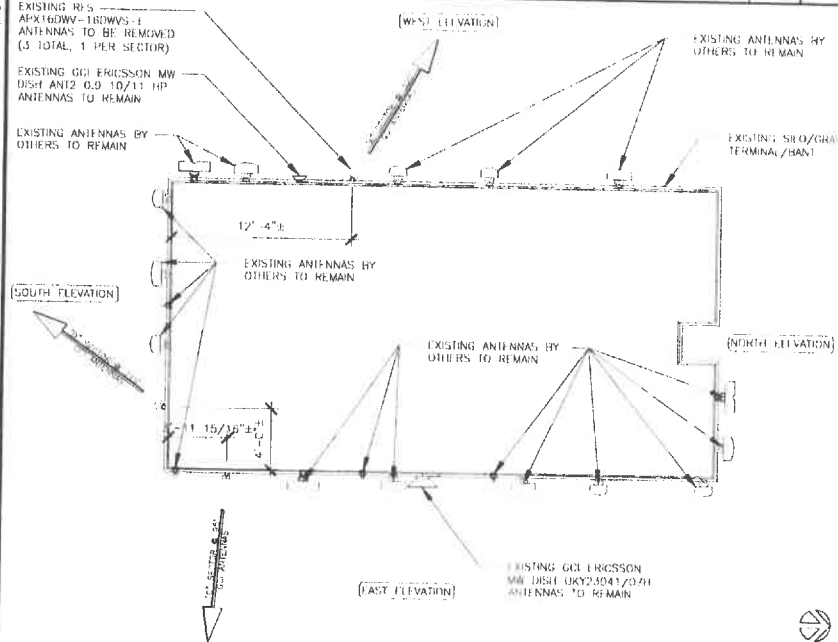
EXISTING RF CONFIGURATION SCHEDULE											REMARKS
SECTION	RELATION	TYPE	DATE	MATERIALS	MEASUREMENTS	HEIGHT	WIDTH	DEPTH	THICKNESS	REMARKS	
ALPHA	A1	CURB	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	
	A2	UNIT	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	
BETA	B1	CURB	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	
	B2	UNIT	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	
GAMMA	G1	CURB	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	
	G2	UNIT	1	EMERSON	1000 x 1000 x 100	1000	1000	100	100	1000	

LOCATION	SECTION	TMA-1	TMA-2	TMA-3	TMA-4	TMA-5	TMA-6	TMA-7	TMA-8	TMA-9	TMA-10	TMA-11	TMA-12	TMA-13	TMA-14	TMA-15	TMA-16	TMA-17	TMA-18	TMA-19	TMA-20	TMA-21	TMA-22	TMA-23	TMA-24	TMA-25	TMA-26	TMA-27	TMA-28	TMA-29	TMA-30	TMA-31	TMA-32	TMA-33	TMA-34	TMA-35	TMA-36	TMA-37	TMA-38	TMA-39	TMA-40	TMA-41	TMA-42	TMA-43	TMA-44	TMA-45	TMA-46	TMA-47	TMA-48	TMA-49	TMA-50	TMA-51	TMA-52	TMA-53	TMA-54	TMA-55	TMA-56	TMA-57	TMA-58	TMA-59	TMA-60	TMA-61	TMA-62	TMA-63	TMA-64	TMA-65	TMA-66	TMA-67	TMA-68	TMA-69	TMA-70	TMA-71	TMA-72	TMA-73	TMA-74	TMA-75	TMA-76	TMA-77	TMA-78	TMA-79	TMA-80	TMA-81	TMA-82	TMA-83	TMA-84	TMA-85	TMA-86	TMA-87	TMA-88	TMA-89	TMA-90	TMA-91	TMA-92	TMA-93	TMA-94	TMA-95	TMA-96	TMA-97	TMA-98	TMA-99	TMA-100	TMA-101	TMA-102	TMA-103	TMA-104	TMA-105	TMA-106	TMA-107	TMA-108	TMA-109	TMA-110	TMA-111	TMA-112	TMA-113	TMA-114	TMA-115	TMA-116	TMA-117	TMA-118	TMA-119	TMA-120	TMA-121	TMA-122	TMA-123	TMA-124	TMA-125	TMA-126	TMA-127	TMA-128	TMA-129	TMA-130	TMA-131	TMA-132	TMA-133	TMA-134	TMA-135	TMA-136	TMA-137	TMA-138	TMA-139	TMA-140	TMA-141	TMA-142	TMA-143	TMA-144	TMA-145	TMA-146	TMA-147	TMA-148	TMA-149	TMA-150	TMA-151	TMA-152	TMA-153	TMA-154	TMA-155	TMA-156	TMA-157	TMA-158	TMA-159	TMA-160	TMA-161	TMA-162	TMA-163	TMA-164	TMA-165	TMA-166	TMA-167	TMA-168	TMA-169	TMA-170	TMA-171	TMA-172	TMA-173	TMA-174	TMA-175	TMA-176	TMA-177	TMA-178	TMA-179	TMA-180	TMA-181	TMA-182	TMA-183	TMA-184	TMA-185	TMA-186	TMA-187	TMA-188	TMA-189	TMA-190	TMA-191	TMA-192	TMA-193	TMA-194	TMA-195	TMA-196	TMA-197	TMA-198	TMA-199	TMA-200	TMA-201	TMA-202	TMA-203	TMA-204	TMA-205	TMA-206	TMA-207	TMA-208	TMA-209	TMA-210	TMA-211	TMA-212	TMA-213	TMA-214	TMA-215	TMA-216	TMA-217	TMA-218	TMA-219	TMA-220	TMA-221	TMA-222	TMA-223	TMA-224	TMA-225	TMA-226	TMA-227	TMA-228	TMA-229	TMA-230	TMA-231	TMA-232	TMA-233	TMA-234	TMA-235	TMA-236	TMA-237	TMA-238	TMA-239	TMA-240	TMA-241	TMA-242	TMA-243	TMA-244	TMA-245	TMA-246	TMA-247	TMA-248	TMA-249	TMA-250	TMA-251	TMA-252	TMA-253	TMA-254	TMA-255	TMA-256	TMA-257	TMA-258	TMA-259	TMA-260	TMA-261	TMA-262	TMA-263	TMA-264	TMA-265	TMA-266	TMA-267	TMA-268	TMA-269	TMA-270	TMA-271	TMA-272	TMA-273	TMA-274	TMA-275	TMA-276	TMA-277	TMA-278	TMA-279	TMA-280	TMA-281	TMA-282	TMA-283	TMA-284	TMA-285	TMA-286	TMA-287	TMA-288	TMA-289	TMA-290	TMA-291	TMA-292	TMA-293	TMA-294	TMA-295	TMA-296	TMA-297	TMA-298	TMA-299	TMA-300	TMA-301	TMA-302	TMA-303	TMA-304	TMA-305	TMA-306	TMA-307	TMA-308	TMA-309	TMA-310	TMA-311	TMA-312	TMA-313	TMA-314	TMA-315	TMA-316	TMA-317	TMA-318	TMA-319	TMA-320	TMA-321	TMA-322	TMA-323	TMA-324	TMA-325	TMA-326	TMA-327	TMA-328	TMA-329	TMA-330	TMA-331	TMA-332	TMA-333	TMA-334	TMA-335	TMA-336	TMA-337	TMA-338	TMA-339	TMA-340	TMA-341	TMA-342	TMA-343	TMA-344	TMA-345	TMA-346	TMA-347	TMA-348	TMA-349	TMA-350	TMA-351	TMA-352	TMA-353	TMA-354	TMA-355	TMA-356	TMA-357	TMA-358	TMA-359	TMA-360	TMA-361	TMA-362	TMA-363	TMA-364	TMA-365	TMA-366	TMA-367	TMA-368	TMA-369	TMA-370	TMA-371	TMA-372	TMA-373	TMA-374	TMA-375	TMA-376	TMA-377	TMA-378	TMA-379	TMA-380	TMA-381	TMA-382	TMA-383	TMA-384	TMA-385	TMA-386	TMA-387	TMA-388	TMA-389	TMA-390	TMA-391	TMA-392	TMA-393	TMA-394	TMA-395	TMA-396	TMA-397	TMA-398	TMA-399	TMA-400	TMA-401	TMA-402	TMA-403	TMA-404	TMA-405	TMA-406	TMA-407	TMA-408	TMA-409	TMA-410	TMA-411	TMA-412	TMA-413	TMA-414	TMA-415	TMA-416	TMA-417	TMA-418
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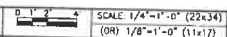
[illegible]

Case Name	Site Name	Phase	Comments	Inspector	Notes	GPS	Photo
CHURCH LEVEL	ALPHA	---	---	---	---	---	---
	BETA	---	---	---	---	---	---
	GAMMA	---	---	---	---	17010000-0740-07-08	---
	DELTA	---	---	---	---	---	---
ANTHONY LEVEL	ALPHA	---	---	---	170400 (1) 4460	---	---
	BETA	---	---	---	170400 (1) 4460	---	---
	GAMMA	---	---	---	---	17010000-0740-07-08	---
	DELTA	---	---	---	---	---	---

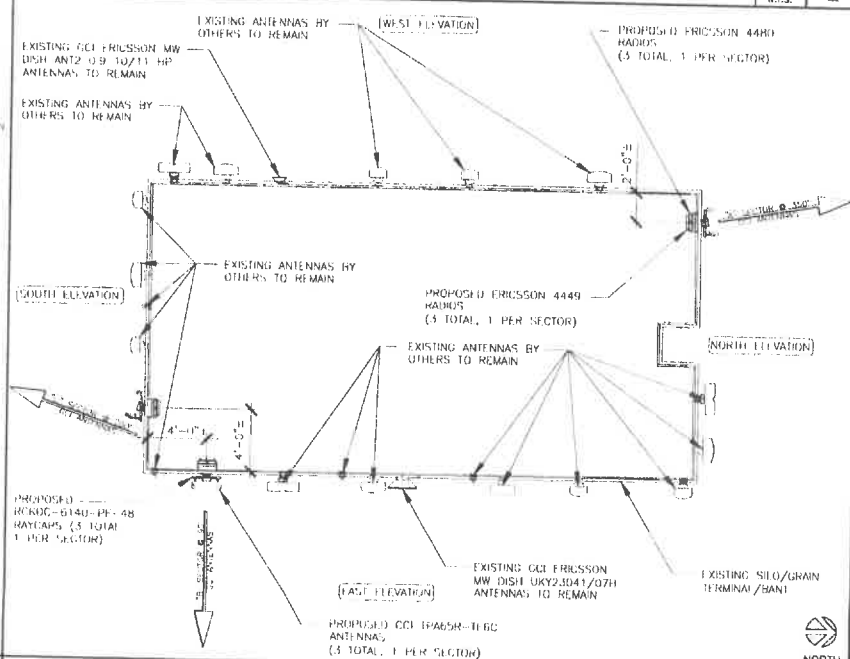
SCALE	1
N.T.S.	



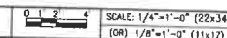
EXISTING ANTENNA CONFIGURATION



SCALE	2
N.T.S.	



PROPOSED ANTENNA CONFIGURATION



REVISIONS			
REV.	DATE	DESCRIPTION	#
A	12/15/20	ISSUED FOR REVIEW	Dr
B	12/22/20	ISSUED FOR REVIEW	DHB
C	02/18/21	100% DRAWINGS - CONSTRUCTION SET	CAT



VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SHEET ONE

ANTENNA PLAN
& RF SCHEDULE

SHEET NUMBER
RF1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT FOR WHICH IT WAS PREPARED IS EXPRESSLY PROHIBITED.



CCI ANTENNAS TPA65R-TE6C
WEIGHT (WITHOUT MOUNTING HARDWARE) 86.6 LBS
SIZE (HxWxD) 71.2x25.5x8.1 IN
RATED WIND VELOCITY: 150.0 MPH

CCI ANTENNAS - TPA65R-TE6C

SCALE
N.T.S.

1

DETAIL NOT USED

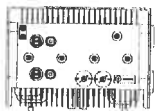
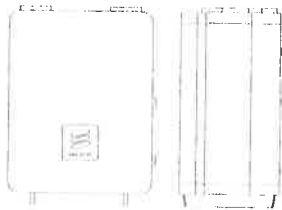
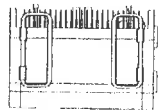
SCALE
N.T.S.

2

SURGE SUPPRESSION DETAILS

SCALE
N.T.S.

3



ERICSSON - RADIO 4440
WEIGHT: 10.0 LBS
SIZE (HxWxD) 18.0x11.2x4.4 IN

ERICSSON - RADIO 4440

SCALE
N.T.S.

4



ERICSSON - RADIO 4480
WEIGHT: 10.0 LBS
SIZE (HxWxD) 21.6x11.2x4.4 IN

ERICSSON - RADIO 4480

SCALE
N.T.S.

5

AIRSYS FCB DETAILS



FCB Performance & Mechanical Specifications

Model	Model	OPA K1421	OPA K1422
Product No.	Product No.	(100)	(10000000)
Capacity	Capacity	100	10000000
Power Supply	Power Supply	100	10000000
Port 1 Input	Port 1 Input	100	10000000
Port 2 Input	Port 2 Input	100	10000000
Port 3 Input	Port 3 Input	100	10000000
Port 4 Input	Port 4 Input	100	10000000
Port 5 Input	Port 5 Input	100	10000000
Port 6 Input	Port 6 Input	100	10000000
Port 7 Input	Port 7 Input	100	10000000
Port 8 Input	Port 8 Input	100	10000000
Port 9 Input	Port 9 Input	100	10000000
Port 10 Input	Port 10 Input	100	10000000
Port 11 Input	Port 11 Input	100	10000000
Port 12 Input	Port 12 Input	100	10000000
Port 13 Input	Port 13 Input	100	10000000
Port 14 Input	Port 14 Input	100	10000000
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Port 100 Input	Port 100 Input	100	10000000

SCALE
N.T.S.

6

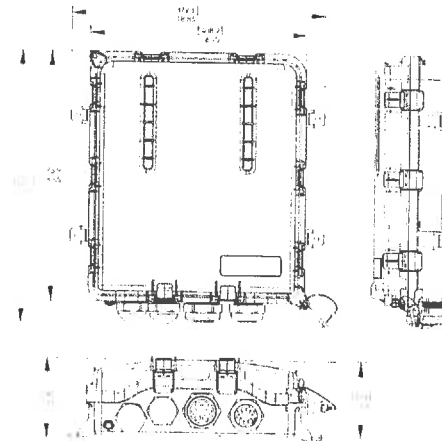
DETAIL NOT USED

SCALE
N.T.S.

7

RAYCAP ROCKDC-6140-PE-48

DIMENSIONS (HxWxD) 29.56"x18.80"x5.85"



REV.	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	D
H	12/22/20	ISSUED FOR REVIEW	DRH
U	02/16/21	ISSUED FOR REVIEW	CAI

NOT FOR CONSTRUCTION UNLESS
LABELLED AS CONSTRUCTION SET

FOR
REFERENCE
ONLY

DATE: _____
I HEREBY CERTIFY THAT THESE PLANS
WERE PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A
DULY REGISTERED ENGINEER IN THE STATE OF
ALASKA.

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LTE
UPGRADE

SHEET TITLE
EQUIPMENT
DETAILS

SHEET NUMBER
EQ1

SCALE	
N.T.S.	

1. THESE MODIFICATIONS HAVE BEEN DRAWN IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF IMPLA-222, AND ANY SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST AVAILABLE REVISIONS OF THE CONTRACT SPECIFICATIONS.
2. THIS DESIGN ASSUMES THAT THE CONDITIONS HAVE BEEN WELL MAINTAINED IN GOOD CONDITION, AND ANY DEFECTS OR DAMAGE WHICH EXIST, HAVE NOT BEEN DISCOVERED, CHECKED OR REPAIRED BY OTHER WORKERS EMPLOYED BY THE SAME FIRM. THIS DESIGN IS BEING PROVIDED WITHOUT ANY GUARANTEE TO THE CONTRACTOR FOR THE DESIGN OR COMMUNICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INQUIRE FOR REVIEW, ANY CONTRACTOR NOT IN POSSESSION OF THE CONTRACT SHALL VISIT THE SITE PRIOR TO BIDDING, ANY PROBLEMS WITH THE CONTRACTOR SHALL BE REPORTED PRIOR TO BIDDING. ANY MISSING INFORMATION SHALL BE REPORTED PRIOR TO BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING, ANY PROBLEMS WITH THE CONTRACTOR SHALL BE REPORTED PRIOR TO BIDDING. ANY MISSING INFORMATION SHALL BE REPORTED PRIOR TO BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISSING INFORMATION.
4. ALL EXISTING PIPING/UNCOVERED SURFACES MUST BE PROTECTED PRIOR TO BIDDING. ANY EXISTING PIPING/UNCOVERED SURFACES MUST BE PROTECTED PRIOR TO BIDDING. ANY EXISTING PIPING/UNCOVERED SURFACES MUST BE PROTECTED PRIOR TO BIDDING.

- [illegible]

[illegible]

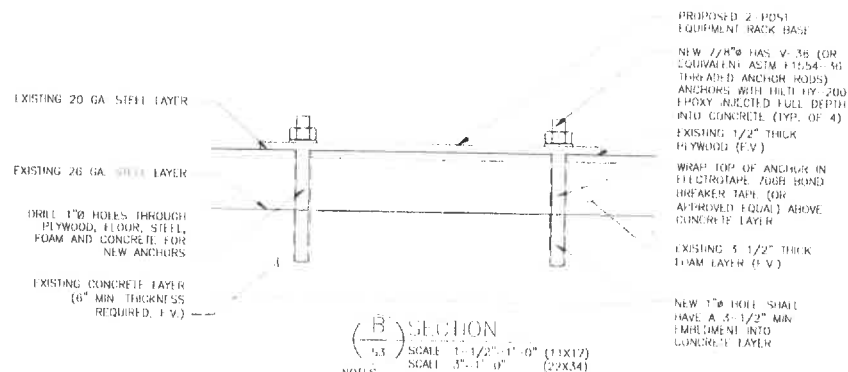
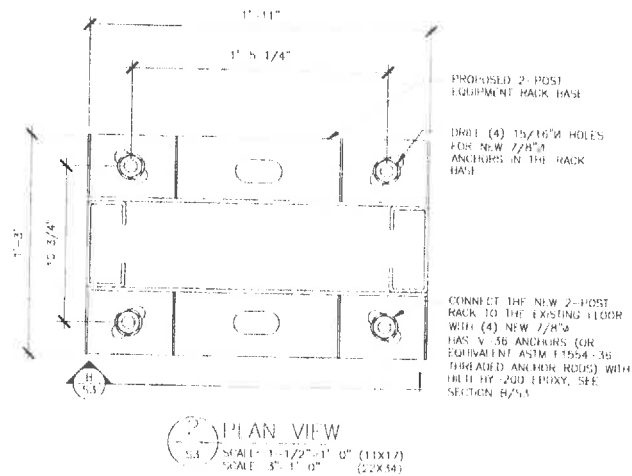
- [illegible]

[illegible]

- [illegible]

STRUCTURAL NOTES

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NOTES:
1. EPOXY SHALL BE INSTALLED
FULL DEPTH OF THE HOLE
THROUGH THE FLOOR AND
CONCRETE



REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW (DR)	
B	12/22/20	ISSUED FOR REVIEW (DR)	
C	02/16/21	FROM DRAWINGS ... CONSTRUCTION SET	CAE

NOT FOR CONSTRUCTION UNLESS
LABELLED AS CONSTRUCTION SET



I HEREBY CERTIFY THAT THESE PLANS
WERE PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A
DULY REGISTERED ENGINEER IN THE STATE OF
ALASKA

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

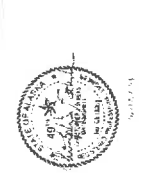
SHEET TITLE
**SHELTER
DETAILS &
SECTIONS**

SHEET NUMBER
S3



REV	DATE	DESCRIPTION
A	12/15/20	ISSUED FOR NEW EDR
B	12/22/20	ISSUED FOR NEW EDR
C	02/16/21	ISSUED FOR NEW EDR

NOT FOR CONSTRUCTION UNLESS
Labeled AS CONSTRUCTION SET



1. BEARING CAPACITY SHALL BE
DETERMINED BY THE ENGINEER
AND SHALL BE SHOWN ON THE
DRAWING. THE ENGINEER SHALL
BE RESPONSIBLE FOR THE
DESIGN.

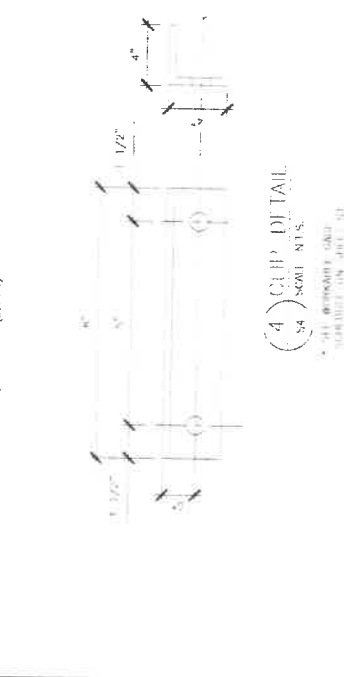
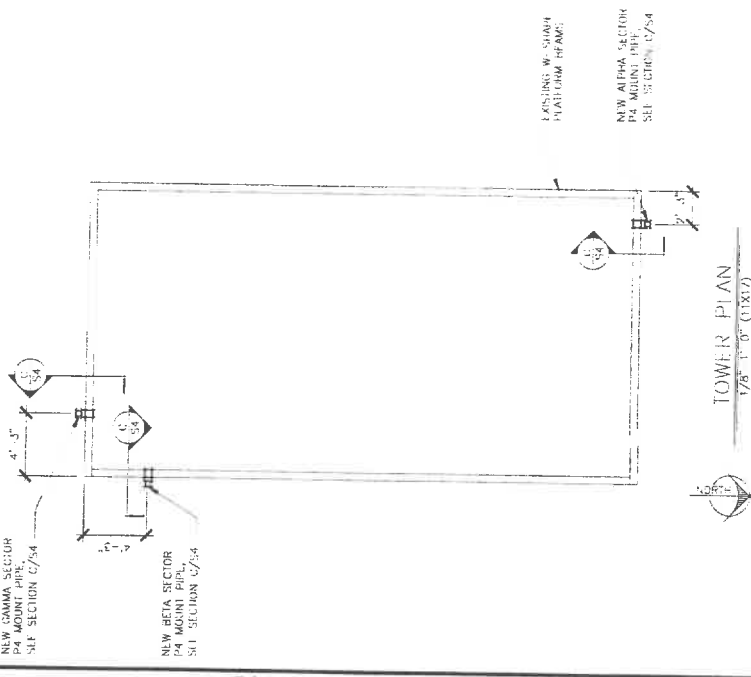
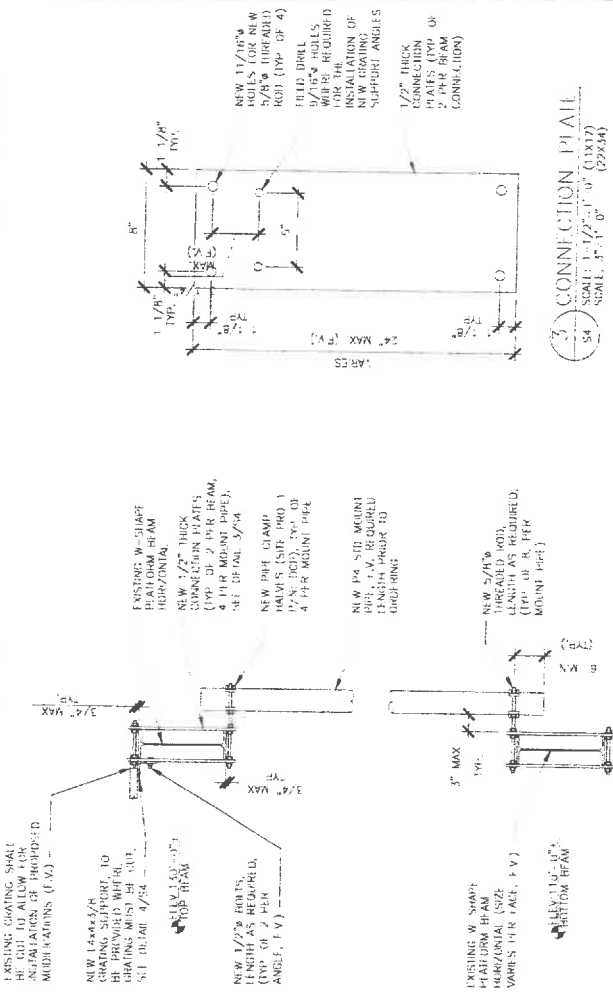
VALVEZ CRAN TERMINAL
SITE No. 904
1450 CONTAINER TERMINAL, WAY
PROJECTED VALVEZ, AK 99585
UPGRADE

SHEET TITLE
TOWER
DETAILS &
SECTIONS

SHEET NUMBER
S4

MODIFICATION SCHEDULE			
NUMBER	DESCRIPTION	DATE	BY
1	NEW MEMBER	11/10/21	1450
2	EXISTING MEMBER	11/10/21	1450
3	NEW MEMBER	11/10/21	1450
4	NEW MEMBER	11/10/21	1450

NOTE: SUBSTITUTION TO PARTS SPECIFIED IN THIS DESIGN PACKAGE SHALL REQUIRE ENGINEER APPROVAL PRIOR TO FABRICATION



TOWER DETAILS & SECTIONS

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY OF GCI. ANY USE OR DISCLOSURE OTHER THAN THAT AUTHORIZED BY GCI IS STRICTLY PROHIBITED.

STRUCTURAL STEEL

AFTER BOLTING (TABLE NO. 8-3, AISC 360-10)

DOCUMENT ACCEPTANCE OR
REJECTION OF NOTED
CONNECTIONS

☒ CONTINUOUS ☐ PERIODIC

OTHER STEEL INSPECTIONS (SECTION NO. 7, AISC 360-10; TABLES JO-1 & JO-2, AISC 341-10)

STRUCTURAL STEEL IN TIES

☐ CONTINUOUS ☒ PERIODIC

ALL FABRICATED STEEL OR STEEL TUBES
SHALL BE INSPECTED TO VERIFY
CONFORMANCE WITH THE DETAILS SHOWN IN
THE CONSTRUCTION DOCUMENTS, SUCH AS:
BRACETS, STIFFENERS, MEMBER LOCATIONS,
AND PROPER AMPLIFICATION OF JOINT DETAILS
AT EACH CONNECTION.

ANCHOR BOLTS AND OTHER
EMBEDMENTS SUPPORTING
STRUCTURAL STEEL

☐ CONTINUOUS ☒ PERIODIC

SHALL BE ON THE RECORDS DURING THE
PLACEMENT OF ANCHOR BOLTS AND OTHER
EMBEDMENTS SUPPORTING STRUCTURAL
STEEL. THE CONFORMANCE WITH CONSTRUCTION
DOCUMENTS, VERIFY THE DIAMETER, GAUGE,
TYPE, AND LENGTH OF THE ANCHOR BOLT
OR EMBEDDED ITEM, AND THE EXTENT OR
DEPTH OF EMBEDMENT PRIOR TO
PLACEMENT OF CONCRETE.

CONCRETE CONSTRUCTION (IBC 1705.3 & 1705.12.1)

POST-INSTALLED ANCHORS AND
BOLTS

☐ CONTINUOUS ☒ PERIODIC

ALL POST-INSTALLED ANCHORS/BOLTS
SHALL BE VISUALLY INSPECTED AND
RECORDED BY THE APPROVED ICC PLS
BEFORE.

FABRICATORS (IBC 1704.2.5)

☐ APPROVED FABRICATOR YES ☐ NO

☐ UNAPPROVED FABRICATOR YES ☐ NO

FABRICATOR NAME:

FABRICATOR PLANT LOCATION:

REQUIRED IN-PLANT:

☐ STEEL CONSTRUCTION

☐ CONCRETE CONSTRUCTION

☐ WELD CONSTRUCTION

INSPECTIONS:

☐ ON-SITE CONSTRUCTION

☐ OTHER

☐ OTHER

PLACE PROJECT LOG



2500 N. HALL ST. SUITE 1000
ANCHORAGE, AK 99503
(907) 561-1000 / (907) 561-7886

PLANS PREPARED BY:



200 South 10th Street
Anchorage, AK 99503
(907) 561-1000 Fax (907) 561-2782
GPD-JOH-2020/22/25 904-01

REVISIONS

REV	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW	DR
B	12/22/20	ISSUED FOR REVIEW	DR
C	02/16/21	ISSUED FOR REVIEW	DR

NOT FOR CONSTRUCTION UNLESS
Labeled AS CONSTRUCTION SET



10-11-1

DATE

I HEREBY CERTIFY THAT THESE PLANS
WERE PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND THAT I AM A
LICENSED PROFESSIONAL ENGINEER IN THE STATE OF
ALASKA

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE

SPECIAL
INSPECTION
CHECKLIST

SHEET NUMBER

S5

SPECIAL INSPECTION CHECKLIST

SCALE
N.T.S.

1

MODIFICATION INSPECTION CHECKLIST		
REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
PRE-CONSTRUCTION		
X	MI CHECKLIST DRAWING	THIS CHECKLIST SERVES AS A CHECKLIST FOR THE REQUIRED CONSTRUCTION DOCUMENTS AND INSPECTIONS FOR THIS MODIFICATION.
X	FOR APPROVED SHOP DRAWINGS	PRIOR TO FABRICATION, THE CONTRACTOR SHALL PROVIDE DETAILED ASSEMBLY DRAWINGS AND/OR SHOP DRAWINGS TO THE GC FOR APPROVAL.
X	FABRICATION INSPECTION	A LETTER FROM THE FABRICATOR STATING THAT ALL FABRICATION (OF GRINDING, CUTTING, WELDING, SHARPENING, MILLING, GALVANIZING, ETC.) HAS BEEN DONE ACCORDING TO INDUSTRY STANDARDS AND ALL APPLICABLE AWS/AISC STANDARDS.
NA	FABRICATOR CERTIFIED WELD INSPECTION	A TUV SHALL INSPECT ALL FABRICATION WELDS IN ACCORDANCE WITH AWS D11.1 AND A REPORT DETAILING THE RESULTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	MATERIAL TEST REPORTS (MTR)	MATERIAL TEST REPORTS SHALL BE PROVIDED FOR ALL MATERIAL USED. MTRS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	FABRICATOR NDE INSPECTION REPORT	CRITICAL SHOP WELDS THAT REQUIRE ADDITIONAL TESTING ARE NOTED WITHIN THE MODIFICATION DRAWINGS. A CERTIFIED NDE INSPECTOR SHALL PERFORM NON-DESTRUCTIVE EXAMINATION ON ALL PWP, COP, AND FILLER WELDS IN ACCORDANCE WITH AWS D11.1 AND A REPORT DETAILING THE RESULTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	NDE OF MONOPILE, HULL PLATE	A NDE OF THE HULL TO HAVE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PACKING SLIPS	PACKING/SLIPPING LIST FOR ALL MATERIAL USED DURING CONSTRUCTION OF THE MODIFICATION SHALL BE PROVIDED.
DURING CONSTRUCTION		
X	ONE HOUR REBAR INSPECTION	A 3RD PARTY VISUAL INSPECTION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED BEFORE PLACING THE CONCRETE. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	POST-INSTALLED REBAR AND/OR DOWEL INSPECTION	PHOTOGRAPHIC DOCUMENTATION OF POST-INSTALLED REBAR AND DOWELS SHALL BE RECORDED BEFORE SETTING THE POST-INSTALLED REBAR AND DOWELS WITH EPOXY/GROUT.
NA	CONCRETE COMP. STRENGTH & SLUMP TEST	THE CONCRETE MIX DESIGN, SLUMP TEST AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED AS PART OF THE MI REPORT.
NA	EARTHWORK LOT & DENSITY REPORT	REPORT DETAILING SOIL COMPACTION TEST RESULTS TO BE INCLUDED IN THE MI REPORT.
NA	MICROPILES/ROCK ANCHOR	MICROPILES AND ROCK ANCHORS SHALL BE INSPECTED BY A 3RD PARTY INSPECTION SHALL VERIFY ANCHOR SIZE, TIE-BACK, AND TIE-BACK PHOTOGRAPHIC DOCUMENTATION OF ALL MEASUREMENTS, ALONG WITH THE TIE-BACK TEST RESULTS SHALL BE INCLUDED IN THE MI REPORT.
NA	HEERAL ANCHOR	HEERAL ANCHORS SHALL SUBMIT FINAL GRADE INTERFERENCE DESIGN, SCOUR LOGS, AND FINAL LOAD TEST RESULTS TO BE INCLUDED IN THE MODIFICATION INSPECTION REPORT.
X	POST-INSTALLED ANCHOR ROD VERIFICATION	POST-INSTALLED ANCHOR ROD VERIFICATION SHALL BE PERFORMED AND SHALL INCLUDE PHOTO VERIFICATION OF THE DEPTH, HOLE CLEANING AND HOUGHENING, AND EXIST TAPPING REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	3RD PARTY FIELD CERTIFIED WELD INSPECTION	A TUV SHALL CONDUCT A VISUAL INSPECTION OF ALL FIELD WELDS IN ACCORDANCE WITH AWS D11.1 CRITICAL WELDS THAT REQUIRE ADDITIONAL TESTING ARE NOTED IN THE MODIFICATION DRAWINGS.
X	ON-SITE FIELD GALVANIZING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE FIELD GALVANIZING WAS APPLIED PER MANUFACTURER'S SPECIFICATIONS.
NA	TENSION TWIST & PLUMB MEASUREMENTS	THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION TO THE MI INSPECTOR VERIFYING THE TENSION TWIST AND PLUMB MEASUREMENTS AS WELL AS THE WIRE TENDONS (AS REQUIRED) REPORT SHALL INCLUDE PRE-TENSION, TENSION & TWIST REPORTS, POST-TENSION REPORT, POST-TENSION AND TWIST REPORTS, AND PHOTOS OF THE TENSION GAUGES FOR ALL GUY WORKS.
X	GC AS-BUILT DRAWINGS	THE GENERAL CONTRACTOR SHALL SUBMIT A TYPICAL COPY OF THE ORIGINAL DESIGN DRAWINGS EITHER STATING "INSTALLED AS DESIGNED" OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OR RECORD FOR/NOT FORM. APPROVING ALL CHANGES SHALL BE SUBMITTED.
NA	BOLE PRE-TENSION VERIFICATION	TURN OF THE NUT METHOD IS THE PRESENT METHOD FOR PRE-TENSIONING BOLTS. MATCH MARKING SHALL BE PRESENT ON EACH FASTENER FOR INSPECTION PURPOSES AND SHALL BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BEST PRACTICE ALTERNATIVE PRE-TENSIONING METHOD, AND NOT ALLOWED WITHOUT PRIOR GC CONSENT.
POST-CONSTRUCTION		
X	CONSTRUCTION COMPLIANCE LETTER	A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE MODIFICATION DRAWINGS, INCLUDING LISTING ADDITIONAL FACTORS TO THE MODIFICATION PROVIDED.
NA	POST-INSTALLED ANCHOR ROD PILE TESTS	POST-INSTALLED ANCHOR RODS SHALL BE TESTED BY A PILE TEST INSPECTOR AND A REPORT SHALL BE PROVIDED INDICATING TESTING RESULTS.
X	PHOTOGRAPHS	PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI INSPECTOR. PHOTOS SHALL DOCUMENT ALL STAGES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTO.
NA	FOUNDATION SCAFFOLD	PHOTOGRAPHIC DOCUMENTATION OF THE FOUNDATION SCAFFOLD SHALL BE INCLUDED IN THE MI REPORT.
NA	BOLE HOLE INSTALLATION VERIFICATION REPORT	THE MI INSPECTOR SHALL VERIFY THE INSTALLATION AND DIMENSIONS OF TOP OF ALL NEW PRE-TENSIONED BOLTS INSTALLED AS PART OF THE MODIFICATION. THE MI INSPECTOR SHALL LOGGING THE NOT AND VERIFY THE BOLE HOLE SIZE AND CONNECTION. THE MI INSPECTOR SHALL CONTAIN THE COMPLETED BOLE INSTALLATION VERIFICATION REPORT, INCLUDING THE SUPPORTING PHOTOGRAPHS.
X	MI INSPECTOR RECORD OR RECORD DRAWING(S)	THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTOR'S RECORDING DRAWING AND THE ACTUAL COMPLETED INSTALLATION.

THE MI CHECKLIST SHALL BE REVIEWED PRIOR TO THE START OF CONSTRUCTION. THE MI INSPECTOR SHALL VERIFY THAT ALL PARTS OF THE MODIFICATION HAVE COMPLETED ALL REQUIREMENTS AND INSPECTION/DOCUMENTATION THAT IS APPLICABLE TO THE SCOPE OF WORK THEY ARE PERFORMING. CHANGES TO THE MI CHECKLIST SHALL BE PROVIDED TO THE ATTENTION OF THE TOWER/STRUCTURE OWNER AND FOR ALL SIGNATURES.

GENERAL

- THE MI IS AN ON-SITE VISUAL AND HANDS-ON INSPECTION OF TOWER MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR (GC), AS WELL AS ANY INSPECTION DOCUMENTS PROVIDED BY THE MI INSPECTOR. THE MI IS TO ENSURE THE INSTALLATION WAS COMPLETED IN ACCORDANCE WITH THE MODIFICATION DRAWINGS, IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS, AND AS DESIGNED BY THE ENGINEER OF RECORD (EOR).
- NO DOCUMENT, CODE OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THIS CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR MODIFICATION INSPECTION.
- THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, AND THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE MODIFICATION DESIGN. THE MI INSPECTOR SHALL INSPECT AND NOTE CONFORMANCE/NONCOMFORMANCE AND PROVIDE TO THE TOWER/STRUCTURE OWNER AND FOR EVALUATION.
- TO ENSURE THAT THE REQUIREMENTS OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATIONS AND COORDINATING AS SOON AS A TOW OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. CONTACT LISTED ON THE TITLE SHEET SHALL BE CONTACTED IF SPECIFIC INSPECTION CONTACT INFORMATION IS NOT KNOWN.

FAILING INSPECTION CORRECTIONS

- IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MI INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
 - CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL MODIFICATION DRAWINGS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION.
 - OR WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

SERVICE LEVEL COMMITMENT

- THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF PERFORMING AN MI REPORT:
 - THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS' NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
 - THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
 - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE STARTING EARLY FOR ANY GUY WIRE TENSIONING OR PRE-TENSIONING OPERATIONS.
 - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY MINOR DIFFERENCES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACTORS ARE AT THEIR DESIGNED WHEN THE MI INSPECTOR IS ON-SITE.
 - IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MODIFICATION INSPECTIONS TO COMMENCE WITH ONE-SITE VISIT.

REQUIRED PHOTOS

- BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORTS:
 - PRE-CONSTRUCTION GENERAL SITE CONDITION
 - PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSTALLATION:
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - BOLE INSTALLATION
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR
 - POST-CONSTRUCTION PHOTOGRAPHS
 - FINAL INSTALLED CONDITION
 - ANY OTHER PHOTOS DEEMED NECESSARY TO SHOW COMPLETE DETAILS OF THE MODIFICATIONS.
- PHOTOS OF ELUVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



REVISIONS			
REV.	DATE	DESCRIPTION	BY
A	12/15/20	ISSUED FOR REVIEW DRG	
B	12/22/20	ISSUED FOR REVIEW DRG	
D	02/16/21	WORK DRAWINGS - CONSTRUCTION SET	CAT

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET



DATE: 12/15/20
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER IN THE STATE OF ALASKA.

VALDEZ GRAIN TERMINAL
SITE No. 904
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99586
PROJECT - AK PLAN LITE
UPGRADE

SHEET TITLE
MODIFICATION
INSPECTION
CHECKLIST

SHEET NUMBER
S6

SCALE
N.T.S. 1

SPECIAL INSPECTION CHECKLIST

ELECTRICAL SPECIFICATIONS

2005, 2006). The authors also identified a set of critical success factors for the implementation of the knowledge management system. The authors also identified a set of critical success factors for the implementation of the knowledge management system. The authors also identified a set of critical success factors for the implementation of the knowledge management system.

As a result of this study, therefore, the authors recommend that a continuous research programme should be initiated, in order to determine the effect of the various factors on the rate of absorption of the different drugs. The authors also recommend that the effect of the various factors on the rate of absorption of the different drugs should be studied in order to determine the effect of the various factors on the rate of absorption of the different drugs.

ELECTRICAL LEGEND

GROUND POINT, 240V AC, 3-Phase, 4-Wire

3-Phase, 4-Wire

3-Phase, 3-Wire

3-Phase, 3-Wire, 480V AC

3-Phase, 3-Wire, 240V AC

3-Phase, 3-Wire, 120V AC

3-Phase, 3-Wire, 60V AC

3-Phase, 3-Wire, 30V AC

3-Phase, 3-Wire, 15V AC

3-Phase, 3-Wire, 7.5V AC

3-Phase, 3-Wire, 3.75V AC

3-Phase, 3-Wire, 1.875V AC

3-Phase, 3-Wire, 0.9375V AC

3-Phase, 3-Wire, 0.46875V AC

3-Phase, 3-Wire, 0.234375V AC

3-Phase, 3-Wire, 0.1171875V AC

3-Phase, 3-Wire, 0.05859375V AC

3-Phase, 3-Wire, 0.029296875V AC

3-Phase, 3-Wire, 0.0146484375V AC

3-Phase, 3-Wire, 0.00732421875V AC

3-Phase, 3-Wire, 0.003662109375V AC

3-Phase, 3-Wire, 0.0018310546875V AC

3-Phase, 3-Wire, 0.00091552734375V AC

3-Phase, 3-Wire, 0.000457763671875V AC

3-Phase, 3-Wire, 0.0002288818359375V AC

3-Phase, 3-Wire, 0.00011444091796875V AC

3-Phase, 3-Wire, 0.000057220458984375V AC

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3-Phase, 3-Wire, 0.00001430511474609375V AC

3-Phase, 3-Wire, 0.000007152557373046875V AC

3-Phase, 3-Wire, 0.0000035762786865234375V AC

3-Phase, 3-Wire, 0.00000178813934326171875V AC

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3-Phase, 3-Wire, 0.0000004470348358154296875V AC

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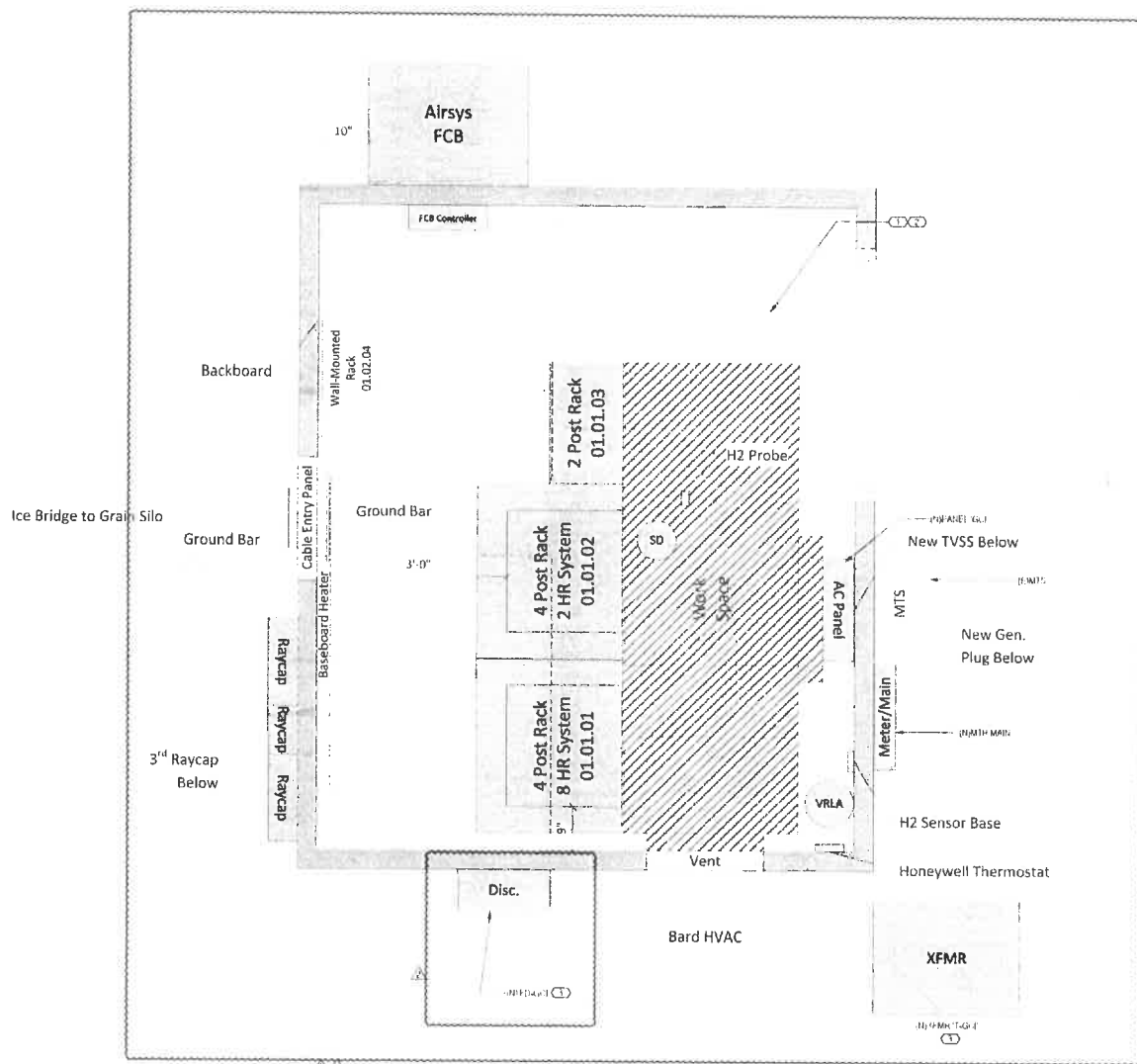
3-Phase, 3-Wire, 0.0000000001091393642127513885498046875V AC

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3-Phase, 3-Wire, 0.000000000027284841053187847137451171875V AC

3-Phase, 3-Wire, 0.0000000000136424205265939235687255859375V AC

3-Phase, 3-Wire, 0.00000000000682121026329696178436279296875V AC



REFERENCED SHEET NOTES

- | REF | NOTE |
|-----|--|
| 1. | CONTRACTOR TO COORDINATE EXACT LOCATION OF GROUNDWATER MONITORING OF SITE. |
| 2. | CONTRACTOR TO PROVIDE DC GROUNDING SYSTEM FOR NEW EQUIPMENT AND FIGURE EXISTING CONFIGURATION AND EQUIPMENT MOUNTS OBTAINED STANDARDS. SEE DC GROUNDING DETAILS ON SHEET #401 AND #402 FOR MORE INFORMATION. |
| 3. | CONTRACTOR TO PROVIDE 1" x 4" DIMENSIONAL WOOD JOIST WITH FLOOR REPRESENTATIVE PRIOR TO RECEIVING. |



TEIC ENGINEERS, INC.
ELECTRICAL ENGINEERS
CORPORATION, LICENSE AEE-21102
5527 D. C. SEWARD HWY. STE. 200
ANCHORAGE, AK 99518
907/545-8712
WWW.TEIC-ENGINEERS.COM

AK PLAN LTE
GCI SITE: VALDEZ GRAIN TERMINAL
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686

REVISIONS	
DATE	DESCRIPTION
1	12/14/2020 - EIT LAQUIN
2	12/15/2020 - FINE-D DUGG
3	01/14/2021 - IMPATI LAQUIN

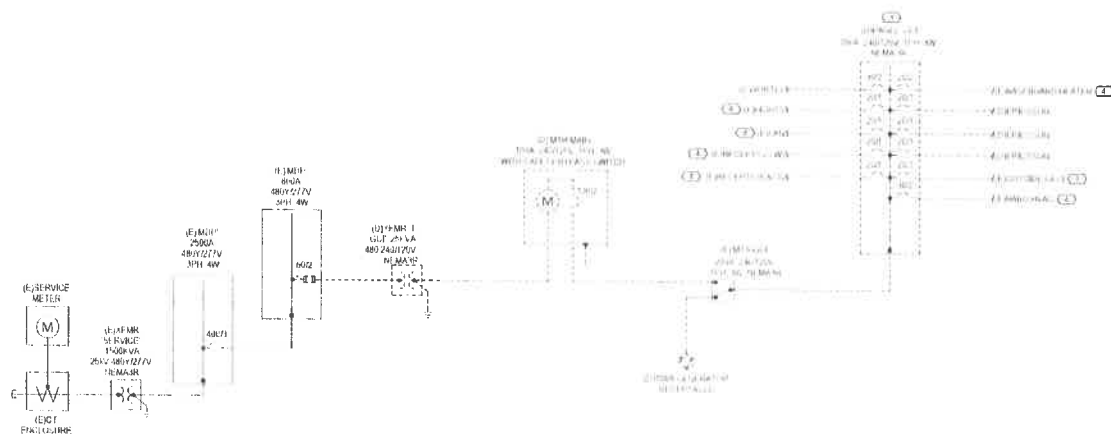


JOB NO.	120-341004
DATE	11/23/2020
DRAWN	FMM
REVIEWED	EDC

ELECTRICAL SITE
PLAN

2480

E101

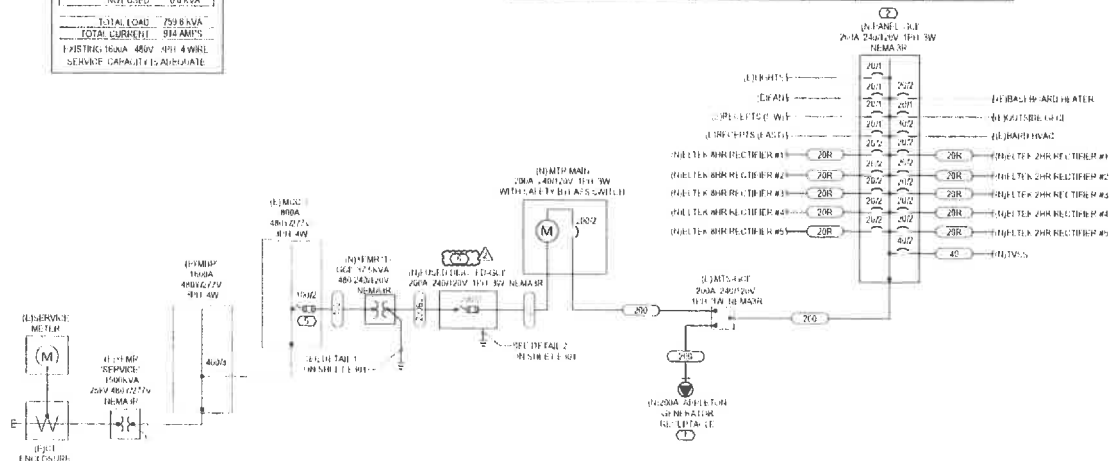


1 DEMOLITION POWER ONE-LINE DIAGRAM
E201 SCALE: NONE

```

SERVICE LOAD SUMMARY
-----EXISTING LOAD-----
RECORDED LOAD          762.2 KW
POWER FACTOR            80.80%
MAXIMUM MONTH          577.6 KVA
NEC 220.1(5)           722.5 KVA
-----NEW LOAD-----
NEW LOAD                373.8 KVA
NOT USED                0.0 KVA
NOT USED                0.0 KVA
NOT USED                0.0 KVA
-----
TOTAL LOAD              759.8 KVA
TOTAL CURRENT          914 AMPS
EXISTING BREAK 480V 491 4 WIRE
SERVICE CAPACITY 1000 AMP
  
```

Table 1. The results of the fuzzy logic model for the prediction of the presence of the <i>Salmonella</i> spp. in the water samples									
Input	Temperature (°C)	pH	Dissolved oxygen (mg/L)	Salinity (ppt)	Water turbidity (NTU)	Water color (PCU)	Water hardness (mg/L)	Water conductivity (µS/cm)	Water total dissolved solids (mg/L)
1	1	2	MS1	1	MS2	1	MS3	1	MS4
2	1	2	MS1	1	MS2	1	MS3	1	MS4
3	1	2	MS1	1	MS2	1	MS3	1	MS4
4	1	2	MS1	1	MS2	1	MS3	1	MS4
5	1	2	MS1	1	MS2	1	MS3	1	MS4
6	1	2	MS1	1	MS2	1	MS3	1	MS4
7	1	2	MS1	1	MS2	1	MS3	1	MS4
8	1	2	MS1	1	MS2	1	MS3	1	MS4
9	1	2	MS1	1	MS2	1	MS3	1	MS4
10	1	2	MS1	1	MS2	1	MS3	1	MS4
11	1	2	MS1	1	MS2	1	MS3	1	MS4
12	1	2	MS1	1	MS2	1	MS3	1	MS4
13	1	2	MS1	1	MS2	1	MS3	1	MS4
14	1	2	MS1	1	MS2	1	MS3	1	MS4
15	1	2	MS1	1	MS2	1	MS3	1	MS4
16	1	2	MS1	1	MS2	1	MS3	1	MS4
17	1	2	MS1	1	MS2	1	MS3	1	MS4
18	1	2	MS1	1	MS2	1	MS3	1	MS4
19	1	2	MS1	1	MS2	1	MS3	1	MS4
20	1	2	MS1	1	MS2	1	MS3	1	MS4
21	1	2	MS1	1	MS2	1	MS3	1	MS4
22	1	2	MS1	1	MS2	1	MS3	1	MS4
23	1	2	MS1	1	MS2	1	MS3	1	MS4
24	1	2	MS1	1	MS2	1	MS3	1	MS4
25	1	2	MS1	1	MS2	1	MS3	1	MS4
26	1	2	MS1	1	MS2	1	MS3	1	MS4
27	1	2	MS1	1	MS2	1	MS3	1	MS4
28	1	2	MS1	1	MS2	1	MS3	1	MS4
29	1	2	MS1	1	MS2	1	MS3	1	MS4
30	1	2	MS1	1	MS2	1	MS3	1	MS4
31	1	2	MS1	1	MS2	1	MS3	1	MS4
32	1	2	MS1	1	MS2	1	MS3	1	MS4
33	1	2	MS1	1	MS2	1	MS3	1	MS4
34	1	2	MS1	1	MS2	1	MS3	1	MS4
35	1	2	MS1	1	MS2	1	MS3	1	MS4
36	1	2	MS1	1	MS2	1	MS3	1	MS4
37	1	2	MS1	1	MS2	1	MS3	1	MS4
38	1	2	MS1	1	MS2	1	MS3	1	MS4
39	1	2	MS1	1	MS2	1	MS3	1	MS4
40	1	2	MS1	1	MS2	1	MS3	1	MS4
41	1	2	MS1	1	MS2	1	MS3	1	MS4
42	1	2	MS1	1	MS2	1	MS3	1	MS4
43	1	2	MS1	1	MS2	1	MS3	1	MS4
44	1	2	MS1	1	MS2	1	MS3	1	MS4
45	1	2	MS1	1	MS2	1	MS3	1	MS4
46	1	2	MS1	1	MS2	1	MS3	1	MS4
47	1	2	MS1	1	MS2	1	MS3	1	MS4
48	1	2	MS1	1	MS2	1	MS3	1	



2 PROPOSED POWER ONE-LINE DIAGRAM
E201 SCALE NONE

Ⓔ REFERENCED SHEET NOTES

REF	NOTE
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1. INSTALL NEW APPLICTION POWERHIE 200A PIN & SLEEVE WITH PLATE (PART NO. AHAJH08-200A-5) CORRESPONDING REQUIREMENTS WITH CDR REPRESENTATIVE.
2. CONTRACTOR TO PROVIDE NEW SQUARE D FUSE (2) IN PANEL BOARD (GROUP NO. MIBANAP 102724) ON EQUAL WHEN APPROVED BY (CD) AND ALL NEW WIRING ARE PROVIDED INTEGRAL SQUARE D FUSE (OR EQUAL WHEN APPROVED BY CDR)

- 1 CONTRACTOR TO COORDINATE DEMOLITION TIMELINE WITH OUR REPRESENTATIVE
THAT NETWORK COMPLETED IN W/TELECOM SERVICES TO BE AHEAD FIRST TO
DEMOLITION OF EXISTING EQUIPMENT

- CONTRACTOR TO PROVIDE NEARBY E-PAID DISCOUNT (PART TWO LEADERSHIP FOR EQUAL WHEN APPROVED BY THE REPRESENTATIVE).



TEIC ENGINEERS, INC.
ELECTRICAL ENGINEERS
CORPORATION 10000 KENNEDY BLVD.

7500 JEFFERSON AVE
MCLENNAN, TEXAS 76705
214 558-0556
214 558-0555
214 558-0554

AK PLAN LTE
GC SITE: VALDEZ GRAIN TERMINAL
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686

REVIEWING	
NUM	DESCRIPTION
1	12/24/2020 - LIT GROUP
2	12/31/2020 - FUS INSC

X-BIND 120-34130-
 DATE 11/23/2020
 DRAWN KMM
 REVISED BY EDC

ONE-LINE
DIAGRAMS, DETAILS
AND SCHEDULES

— 147 —

E201

IN-PANEL IGBT SCHIEDE

IGBT-Modul, Leistung: 100 A/100 W

IGBT-Modul, 100 A/100 W

IGBT-Modul, 100 A/100 W

IGBT-Modul, 100 A/100 W


IGBT-Modul, 100 A/100 W

IGBT-Modul, 100 A/100 W

Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A	U	V	W	LOAD DESCRIPTION	Circuit	N	L	LOAD DESCRIPTION	AMP	P	A
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EIC ENGINEERS, INC.
ELECTRICAL ENGINEERS

 CORPORATION LICENSE ASSOCIATE

857 OLD BEWARD HWY. STE 201
ANDOVER, MA 01861
508/349-5712

PHONE 508/349-5691 FAX 508/349-5712



LAB NO.	120-1418296
DATE	11/27/00
DIAGNOSIS	PMH
REFERENCE	ETH

PANEL SCHEDULES

SHEET NO. 1

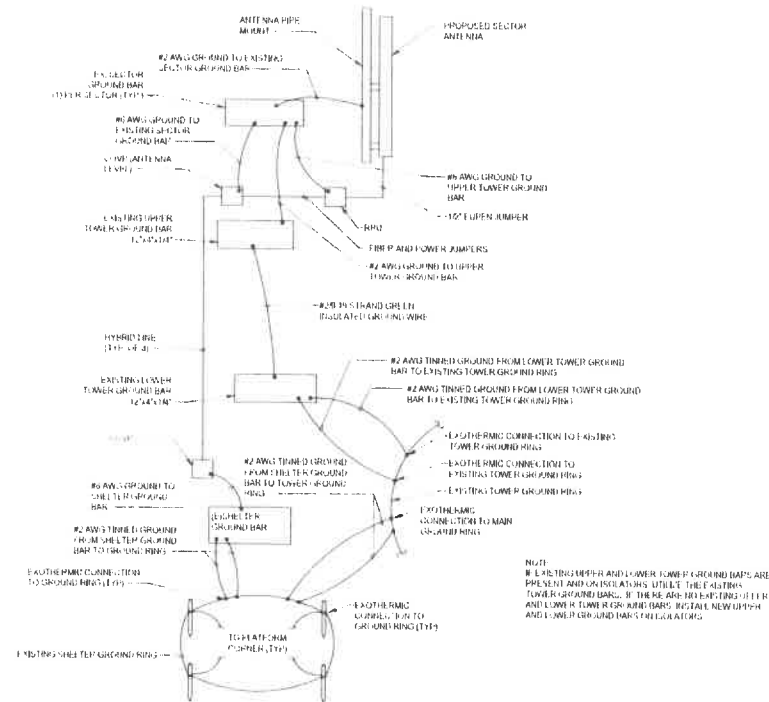
E301

GENERAL DC GROUNDING NOTES

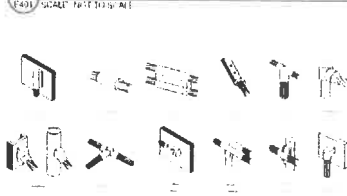
1. ALL GROUNDING MATERIALS AND INSTALLATION METHODS SHALL BE AS SET FORTH IN THE "STANDARD AND CONSTRUCTION SPECIFICATION FOR THE ELECTRICAL CONTRACTOR" AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.
2. GROUND LEADS SHALL NOT BE STUBBED.
3. METAL CONDUITS OR METAL CLAMPS COMPLETELY ENCLOSING THE GROUNDING SHALL BE PROHIBITED.
4. DETAILS FOR THE INTERIOR GROUNDING SHALL BE AS SET FORTH IN THE "STANDARD AND CONSTRUCTION SPECIFICATION FOR THE ELECTRICAL CONTRACTOR" AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.
5. MINIMUM BARE RADIUS SHALL BE 1/2" FOR #10 AWG AND 1/4" FOR #12 AWG OR LARGER.
6. #10 THW SHALL BE STRANDED COPPER WITH THW INSULATION.
7. #12 THW SHALL BE SOLID BARE TINNED COPPER.
8. #10 THW SHALL BE STRANDED COPPER WITH THW INSULATION SUITABLE FOR THE INSTALLATION.
9. #10 (THW) BARE TINNED SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
10. #10 THW SHALL BE CONSTRUCTED OF 24 STRANDS OF 24 GAUGE TINNED COPPER WIRE RATED FOR THE BIL, WITH A TYPICAL PLATE (15).
11. #10 THW SHALL BE STRANDED COPPER WITH THW INSULATION SUITABLE FOR THE INSTALLATION.
12. #10 THW SHALL BE STRANDED COPPER WITH THW INSULATION SUITABLE FOR THE INSTALLATION.
13. GROUNDING SHALL BE REFERENCED TO THE "STANDARD AND CONSTRUCTION SPECIFICATION FOR THE ELECTRICAL CONTRACTOR" AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.
14. ALL HANGING WIRE SHALL BE WATERPROOFED AND REINFORCED WITH WIRE SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
15. WHERE CABLES ARE MADE TO STEEL OR ANY OTHER SIMILAR MATERIAL, THE CABLES SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
16. WATER PIPE CLAMPS SHALL BE CUSTOM MADE OF BRASS, 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
17. ALL CONNECTIONS INTERIOR AND EXTERIOR SHALL BE MADE TO THE "STANDARD AND CONSTRUCTION SPECIFICATION FOR THE ELECTRICAL CONTRACTOR" AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.
18. LABEL ALL WIRES WITH BLACK LETTERS, 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
19. ONE-TO-ONE GROUNDING NOT CONNECTED TO THE GROUNDING BAR SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
20. ALL GROUND LEADS SHALL BE IDENTIFIED WITH BRASS TAGS.
21. ALL GROUNDING CONDUCTORS TO GROUND PINS SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
22. ALL GROUNDING CONNECTIONS TO GROUNDING PINS SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
23. GROUNDING PINS OF THE GROUNDING SYSTEM SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
24. METAL CONDUITS AND TUBES SHALL BE GROUNDING AND MADE TO THE "STANDARD AND CONSTRUCTION SPECIFICATION FOR THE ELECTRICAL CONTRACTOR" AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.
25. METAL RAILWAYS SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
26. EACH BUS CARRIER FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUNDING BAR WITH GREEN INSULATED STEEL METAL EQUIPMENT GROUNDING WIRE.
27. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
28. USE OF NOT NEEDED BY THE ELECTRICAL CONTRACTOR SHALL BE AVOIDED WHEN NOT BENEFICIAL TO THE PROJECT.
29. ALL ELECTRICAL ELECTRICAL AND TUBES ELECTRICAL METAL BEING FRAMES AND SUPPORTS SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.
30. METAL OBJECTS WITHIN THE GROUNDING WIRE SHALL BE 1/2" STAND OFF TINNED COPPER WITH 1/4" STAND TINNED.

GENERAL DETAIL NOTES

NOTES: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL CONTRACTOR TO PROVIDE GROUNDING MATERIAL AS REQUIRED TO OBTAIN A COPY FROM THE STATE OF ALASKA.



1 PARTIAL GROUNDING RISER DIAGRAM - TYPICAL



2 CADWELD DETAILS



EIC ENGINEERS, INC.
ELECTRICAL ENGINEERS
CORPORATION
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686
907.462.1111
WWW.EICAK.COM

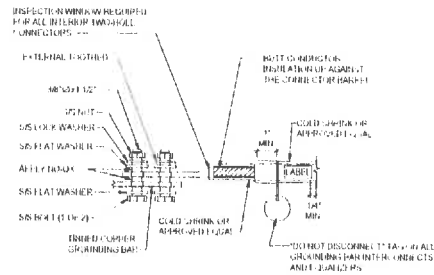
AK PLAN LITE
GCI SITE: VALDEZ GRAIN TERMINAL
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686

TO: MGRS
FROM: EIC ENGINEERS, INC.

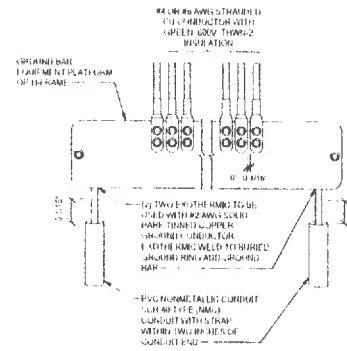
PROJECT: 1460 CONTAINER TERMINAL
DATE: 11/22/2024
DRAWN: EIC
REVIEWED: EIC

DC GROUNDING DETAILS

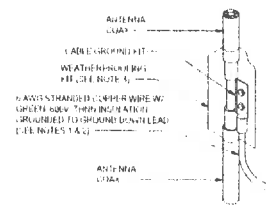
E401



1 EXTERIOR TWO HOLE LUG DETAIL
F402 SCALE: NOT TO SCALE

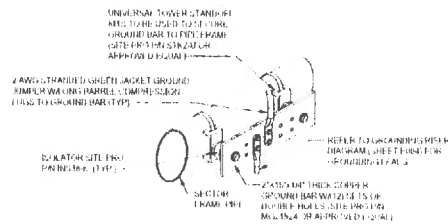


2 PROPOSED GROUND BAR DETAIL
SCALE NOT TO SCALE



GENERAL DETAIL NOTES

1. JACKSON FIT SHALL BE INSTALLED TO GO AWAY FROM THE END OF THE SECTION
2. DO NOT INSTALL CABLE CLAMPING UNIT AT A BEND AND ALWAYS JOIN IT STRAIGHT BEFORE DOWN TO THE GROUND BUSH
3. GROUNDING UNIT SHALL BE TYPE AND PART NUMBER AS SPECIFIED OR RECOMMENDED BY CABLE MANUFACTURER
4. WEATHERPROOFING SHALL BE TYPE AND PART NUMBER AS SPECIFIED OR RECOMMENDED BY CABLE MANUFACTURER
5. AFTER THE WEATHERPROOFING IS COMPLETED GROUND CABLES ARE INSTALLED AND JOINED WITH THE FEAT-ARMOR CONNECTOR TO THE FIRST TAP PASS TO PROVIDE A COMPLETELY AIR-TIGHT AND HERMETICALLY SEALED JOINT TO THE GROUND CABLE
6. START TAP TAP WITH THE FIRST TAP INCHES FROM THE CONNECTOR AND WRAP TWO TIMES TO THE CONNECTOR. THEREAFTER THE TAP TAKE UP A THIRD OF THE TAP AND THE TAP AND THE CONNECTOR AND THE TAP TAKE THE CONNECTOR OFF THE TAP. THERE ARE TWO TAP TAP DOWN TO THE GROUND BUSH. THE TAP IS USED TO GROUND AND INSURE THAT THE STRONG IS DOWN TO THE GROUND BUSH
7. WHEN GRAPPED THE TAP MUST BE ABOVE THE TAP TO BE USED TO GROUND AND INSURE
8. DO NOT SING IN THE TAP AND THE TAP TO BE USED TO GROUND CUT PAILED TAP TO THE TAP AND THE TAP TO BE USED TO GROUND
9. TIGHTLY WRAP THE RUBBER TAP WITH TWO LAYERS OF VINYL INSULATING TAPE



GENERAL DETAIL NOTES

1. SURFACING TO BE DONE WITH THE FOLLOWING SPECIFICATIONS:
 - a. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL LOOSE MATERIAL.
 - b. ALL REINFORCING STEEL SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - c. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - d. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - e. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - f. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - g. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - h. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - i. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - j. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - k. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - l. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - m. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - n. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - o. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - p. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - q. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - r. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - s. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - t. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - u. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - v. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - w. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - x. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - y. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.
 - z. ALL SURFACES SHALL BE PROPERLY PREPARED BY REMOVING ALL RUST AND OIL.

3 TYPICAL SECTOR GROUND BAR DETAIL (ANTENNA LEVEL ONLY)

4 COAX GROUNDING DETAIL
SCALE: NONE



EIC ENGINEERS, INC.
ELECTRICAL ENGINEERS

 CORPORATE OFFICE: 400 N. 1ST ST.
5507 W. GEARARD HWY., STE 200
AURORA, IL 60018
312.543.3712 FAX 312.543.3712
WWW.EICENG.COM

AK PLAN LTE
GCI SITE: VALDEZ GRAIN TERMINAL
1460 CONTAINER TERMINAL WAY
VALDEZ, AK 99686

REVIEWS	DESCRIPTION
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RUN NO. 1-23-3410 0957
 DATE 11/2/2020
 DRAWN KMM
 REVIEWED EJC

DC GROUNDING DETAILS

1997-1998

E402

EXHIBIT C

Modification Application Form

User: _____

Address: _____

Modification Requested: _____

Describe New or Modified Equipment: _____

Dates Requested for Completion of Modification: _____

Names of Certified Climber(s) Completing Modification: _____

Submitted Revised Exhibit B? YES/NO

Submitted \$1,500 Modification Application Fee? YES/NO

Signature: _____

Name: _____

Date: _____