

## Appendix B – Equipment Co-location Application Form

U.S. Coast Guard

### ANTENNA SITE APPLICATION/REQUEST FOR OCCUPANCY

#### Equipment Co-Location Request

The following is a site application used to assess occupancy suitability and for preparation of the Antenna Site Out Grant.

#### Business Development Coordinators:

Real Property Spec. \_\_\_\_\_ Realty Specialist \_\_\_\_\_

Program Mgr. \_\_\_\_\_ Phone # \_\_\_\_\_

**OFFICE USE ONLY**

#### APPLICANT INFORMATION

GRANTEE NAME: County of Humboldt, a political subdivision of the State of California

IS GRANTEE OPERATING UNDER A DIFFERENT NAME?  YES  NO

If "Yes", List the Grantee name, as it should appear on the out grant document below.

GRANTEE NAME (as it should appear on out grant document): \_\_\_\_\_

STREET ADDRESS: 1106 2nd Street

CITY/STATE/ZIP: Eureka / CA / 95501

TELEPHONE: (707) 268-2667 FAX: \_\_\_\_\_

BILLING ADDRESS: 1106 2nd Street

WHO WILL SIGN THE Out Grant document NAME: \_\_\_\_\_

TITLE: Chair, Board of Supervisors

ENTITY TYPE: (PARTNERSHIP, CORPORATION, ETC.): \_\_\_\_\_

CONTACT PERSON: Tom deAge

PHONE (IF DIFFERENT): \_\_\_\_\_ EMAIL ADDRESS: tdeage1@co.humboldt.ca.us

#### TOWER SITE INFORMATION

NAME OF ANTENNA SITE REQUESTED: Shelter Cove

SITE REF NO.: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: Shelter Cove / CA

COORDINATES: Latitude: N 40-02-01.8 Longitude: W 124-02-26.1

GRANTEE SITE NAME AND NUMBER, IF DIFFERENT: \_\_\_\_\_

**GRANTEE FCC LICENSE:** Call Sign: WRFR475 Expiration Date: 04/16/2030

**TECHNOLOGY TYPE:**  CELLULAR  BROADCASTING  LAND MOBILE  PCS

PAGING  TV  WIRELESS DATA



**REQUEST TYPE:**

**ALL REQUESTS MUST FILL OUT THE APPLICABLE SECTIONS AS INDICATED BELOW.**

**NEW INSTALLATION:**  YES     NO

NEW INSTALLATION WILL IMPACT:

- TOWER AND FACILITY** (Complete all sections)
- TOWER ONLY** (Disregard facility change section if not selected under "RECONFIGURATION" below)
- FACILITY ONLY** (Disregard tower change section if not selected under "RECONFIGURATION" below)

**RECONFIGURATION TO EXISTING INSTALLATION:**  YES     NO

CHANGE WILL IMPACT:

- TOWER AND FACILITY** (Complete all sections)
- TOWER ONLY** (Disregard facility change section if not selected under "NEW INSTALL" above)
- FACILITY ONLY** (Disregard tower change section if not selected under "NEW INSTALL" above)

**DESCRIPTION OF REQUEST:**

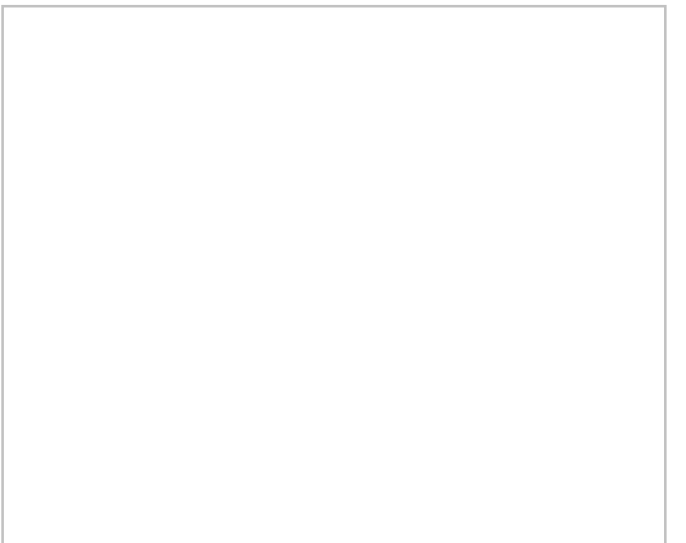
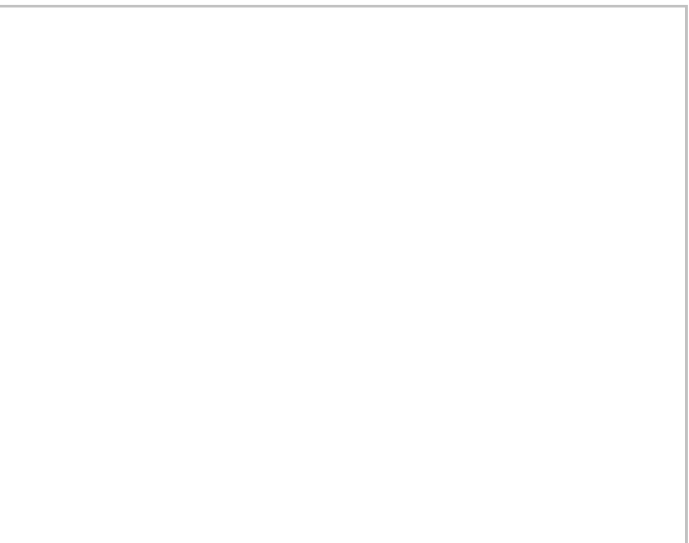
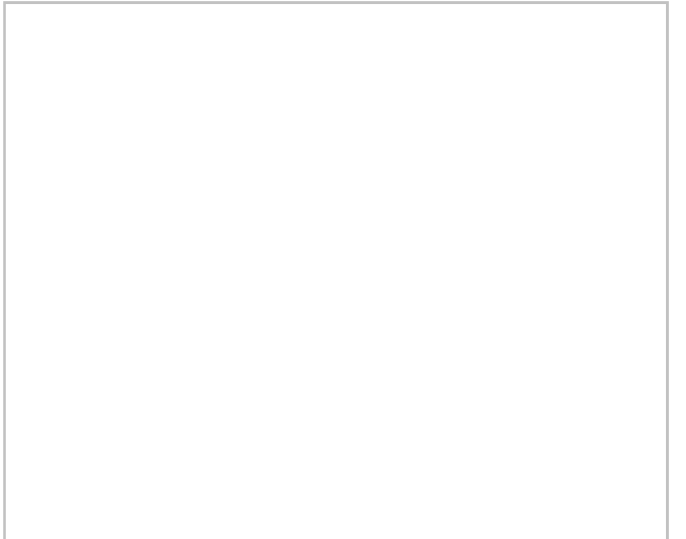
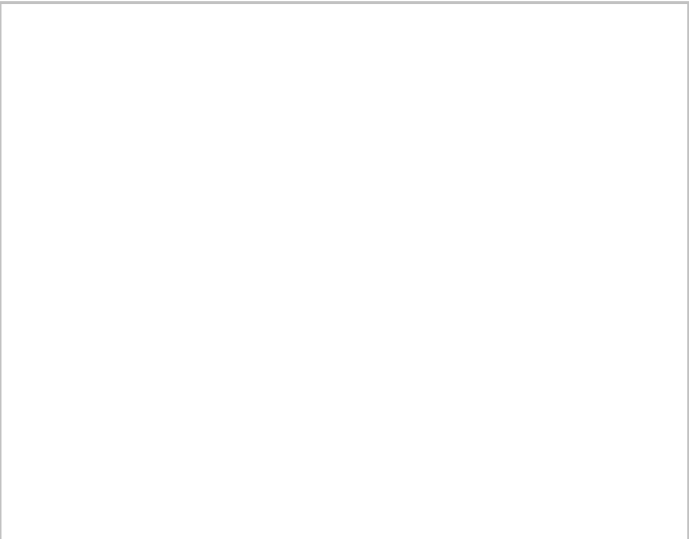
Shelter Cove - Tower analysis and Antenna & Line

- Structural Analysis of Self Supported Towers
- Tower mapping
- Remediation engineering, drawing and procedure
- One VHF Omni stick (13' to 22' tall) antenna Installation
- Supply and install 6' side arm for antenna mount
- 7/8" coaxial transmission line Installation, connectorization & grounding
- One UHF Yagi antenna installation
- Perform a Sweep test on all new transmission lines
- Hardware (round member/angle adapters, brackets etc.) to mount the transmission line to tower every three feet.
- Ground buss bar at each antenna for grounding of proposed mounts

Shelter Cove - Foundation improvement

- Construction Material Testing (Concrete, backfill, foundations)
- "Preparation, submission and tracking of application for local permit fees ( electrical, building etc.) and procurement of information necessary for filing
- Perform foundation reinforcements per tower remediation engineering, drawing and procedure

**DESCRIPTION OF REQUEST (Continued) – Supporting Images:**



**TOWER CHANGE INFORMATION**

**ANTENNAS & TRANSMISSION LINES (INCLUDING SATELLITE ANTENNAS):**

Grantee owned antenna(s):  **OR** Multiplexer port of Grantor's antenna:

To be mounted:  **OR** Currently mounted (reconfiguration request):

**Total # of Antennas:** 2 **# of Feedlines:** 2

	<b>Ant 1</b>	<b>Ant 2</b>	<b>Ant 3</b>
Transmit, Receive, or Both (Tx, Rx, or Tx and Rx)	Tx and Rx	TX and RX	
Transmit Frequency (MHz)	458.9250 MHz	154.0925 MHz	
Receive Frequency (MHz)	453.9250 MHz	159.4575 MHz	
Desired Rad Center (ft. AGL)	<b>96 ft.</b>	<b>66 ft.</b>	
Antenna Manufacturer	RFI Wireless	RFI Wireless	
Antenna Model (Attach Spec Sheet)	<b>RDA6-61</b>	BA40-41-DIN	
Weight (lbs. per antenna)	<b>2 lbs.</b>	<b>32 lbs.</b>	
Antenna Dimensions (HxWxD) (in)	<b>18 X 43 in.</b>	<b>138 in.</b>	
ERP (watts)	<b>125 Watts</b>	<b>60 Watts</b>	
Antenna Gain (dB)	<b>9dBb</b>	<b>3dBd</b>	
Orientation/Azimuth (Degrees)	<b>72 degress</b>	<b>N/A</b>	
Mechanical Tilt	<b>0</b>	<b>N/A</b>	
Antenna Orientation (Omni, Directional, etc.)	<b>Directional</b>	OmniDirectional	
Antenna Mount Location (Tower Leg)	<b>Tower Leg</b>		

	<b>Ant 1</b>	<b>Ant 2</b>	<b>Ant 3</b>
Antenna Mount, Mounting Height (Feet and Inches)	<b>96 ft.</b>	<b>60 ft.</b>	
Antenna Mount Manufacturer			
Antenna Mount Make/Model (Attach Spec Sheet)			
Antenna Mount Weight			
Antenna Mount Capability			
Feedline Mfg./Model (Attach Spec Sheet):	EUPEN DSEC500A	EUPEN DSEC500A	
Feedline Diameter	<b>7/8 inch</b>	<b>7/8 inch</b>	

**Tower Mounted Equipment (Other than antennas):**

	<b>Equip 1</b>	<b>Equip 2</b>	<b>Equip 3</b>
Equip Manufacturer	<b>None</b>	<b>None</b>	
Equip Model (Attach Spec Sheet)			
Weight (lbs.)			
Equip Dimensions (HxWxD) (in)			
Equip Mount Location (Tower Leg)			
Equip Mounting Height (Feet and Inches)			
Equipm Mount Manufacturer			
Other Info:			

**FACILITY CHANGE INFORMATION**

**BASE STATION EQUIPMENT:**

**Currently Installed:** Grantee's Building/Pad:  **OR** Grantor's Building/Pad:  (attached copy of MOU)

**To be installed:** Grantee's Building/Pad:  **OR** Grantor's Building/Pad:  (MOU will be required)

	<b>Equip 1</b>	<b>Equip 2</b>	<b>Equip 3</b>
Equipment Manufacturer	NA		
Equipment Model (Attach Spec Sheet)			
Equipment Mode (Digital Narrowband, Analog Wideband, etc..)			
Equipment Type (Terminal, Transmitter, Rep)			
Space Requirements - # of Cabinets and WxDxH (in inches)			
Space Requirements - # of Racks and WxDxH (in inches)			
Floor Space (dimensions and overall square footage)			
Ground Space (dimensions and overall square footage)			
Equipment Power Requirements (watts)			
Equipment Power Requirements (volts)			
Equipment Heat Load (BTU) and AC Requirements			
Required AC Breaker (Amps)			
AC Line Voltage (volts)			

	<b>Equip 1</b>	<b>Equip 2</b>	<b>Equip 3</b>
Transmit Power (watts)			
Effective Radiated Power (watts)			
Maximum AC Current Draw at Given Line Voltage (amps)			
Standby Current Draw (Amps)			
Normal Duty Cycle			
Number of Channels/Frequencies			
Transmit Frequencies (List each channel)			
Estimated Tx Duty Cycle by channel:			
Receive Frequencies (List each channel)			
Filters/Duplexers			
GPS			



**ADMINISTRATIVE INFORMATION**

**NETWORK CONNECTION:**

Local Exchange Carrier\_

USCG Network\*  Is MOU/ISA in place and current? YES  (Please Attach) NO

\*Typically connection to the USCG Network is not allowed

**INSTALLATION DATE:** Requested install date: 2 May 2022 for foundation work. 20 June 2022 for antenna and line work.

OR if already installed, date installed

\_\_\_\_\_

**TOWER CREW INFORMATION:**

COMPANY NAME: L. D. Strobel Co., Inc.

CONTACT NAME: Chris Foye

TELEPHONE: 925 686 3241 FAX: \_\_\_\_\_

The Tower Crew shall provide certification to the USCG that any person climbing a Coast Guard tower or facility to perform any taks under this Out Grant has completed the appropriate safety training and rescue training. Tower Crew members must be certified as an Authorized Climber in accordance with OSHA and ANSI standards. The Tower Crew Lead must be certified as a Competent Climber in accordance with OSHA and ANSI standards. There must be a Safety Observer on site when conducting operations onboard a Coast Guard tower or facility. The Safety Observer may not be a member of the working party, and must always have active communication ability with the working Tower Crew members. The Safety Observer must be certified as an Authorized Climber in accordance with OSHA and ANSI standards, and be well versed in rescues at heights. Course completion certificates must be attached.

Tower Crew Leader, Name and Date Qualified: \_\_\_\_\_

Tower Crew Member, Name and Date Qualified: \_\_\_\_\_

Tower Crew Member, Name and Date Qualified: \_\_\_\_\_

Tower Crew Member, Name and Date Qualified: \_\_\_\_\_

Safety Observer, Name and Date Qualified: \_\_\_\_\_

The Tower Crew shall ensure that any person climbing a tower to perform any task under this Out Grant has signed the attached Waiver and Release from Liability Form and provided it to the Real Property Manager.

Waiver Enclosed? YES  (Please Attach) NO  (No work allowed until waiver is received)



**PROJECT DESCRIPTION**  
 INSTALL REINFORCEMENTS TO CONCRETE PIERS.

**SITE NAME:**  
 SHELTER COVE

**SITE ADDRESS:**  
 756 TOTH ROAD  
 WHITEHORN, CA 95589

**SITE COORDINATES AND ELEVATION**  
 LATITUDE - N 40° 2' 1.9"  
 LONGITUDE - W 124° 2' 25.7"

**SITE INFORMATION**

**APPLICANT**  
 HUMBOLDT COUNTY

**CONTACT**  
 MISSION ONE COMMUNICATIONS  
 SCOTT HARTMAN  
 PH: (260) 436-3922

**PROJECT MANAGER**  
 PYRAMID NETWORK SERVICES, LLC  
 KEVIN GLARDON  
 EMAIL: KGLARDON@PYRAMIDNS.COM

**STRUCTURAL ENGINEERING**  
 MISSION 1 COMMUNICATIONS  
 WILLIAM R. HEIDEN, III, P.E.  
 952 WEST PERRY ROAD  
 LIGONIER, IN 46767  
 PH: (800) 377-2929  
 EMAIL: WHEIDEN@M1COMM.COM

**CONSULTANT TEAM**

<b>HUMBOLDT COUNTY REPRESENTATIVE:</b>	RECEIVED:
	ACCEPTED:
<b>MOTOROLA:</b>	RECEIVED:
	ACCEPTED:
<b>PROPERTY OWNER:</b>	RECEIVED:
	ACCEPTED:

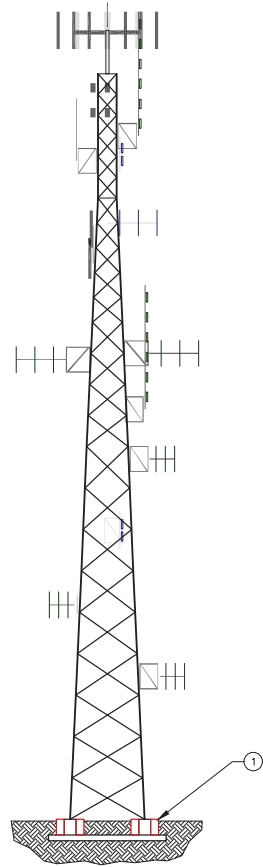
RECEIVED AND ACCEPTED



**DIRECTIONS TO SITE**

NO.	DATE	DESCRIPTION	BY	CHK	APP'D
A	11-17-21	MODIFICATION DRAWINGS	CAD	MJW	WRH
		REVISIONS			

127.0 ft  
 120.0 ft  
 100.0 ft  
 80.0 ft  
 60.0 ft  
 40.0 ft  
 20.0 ft  
 0.0 ft



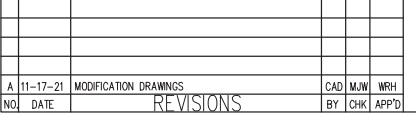
# TOWER MODIFICATION DRAWINGS

## SHELTER COVE

### 120' WSC, PC SELF-SUPPORT TOWER

MODIFICATION SCHEDULE			
ITEM NO.	ELEVATION	DESCRIPTION	REFERENCE
1	0'	INSTALL REINFORCEMENTS TO CONCRETE PIER	D-1

DRAWING INDEX	
T-1	PROJECT INFORMATION, TOWER OVERVIEW, AND DRAWING INDEX
SN-1	GENERAL NOTES
SN-2	GENERAL NOTES
S-1	MODIFICATION DETAILS



**MISSION 1 COMMUNICATIONS**  
 6202 Constitution Drive, Suite C  
 Fort Wayne, IN 46804

**PYRAMID Network Services, LLC**

**MOTOROLA SOLUTIONS**

PROJECT INFORMATION, TOWER OVERVIEW, AND DRAWING INDEX

SHELTER COVE  
 756 TOTH ROAD  
 WHITEHORN, CA 95589

T-1

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GENERAL REQUIREMENTS

1. GENERAL

- A. THE MODIFICATIONS OUTLINED IN THESE DRAWINGS WERE DESIGNED IN ACCORDANCE WITH THE TIA-222-H STANDARD.
- B. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
- C. ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL FOLLOW THE DICTATES OF GOOD CONSTRUCTION PRACTICE.
- D. ALL WORK ON THESE DRAWINGS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH PAST TOWER AND FOUNDATION CONSTRUCTION EXPERIENCE.
- E. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES AND OSHA SAFETY REGULATIONS AND PERFORMED UNDER NORMAL WEATHER CONDITIONS WITH WINDS NOT IN EXCESS OF 20MPH.
- F. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- G. ANY SUBSTITUTIONS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR INSTALLATION.
- H. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC. NECESSARY, PER TIA-1019-A-2011, TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
- I. THE CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.
- J. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING EQUIPMENT, ANTENNAS, COAX, STRUCTURES, ETC. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROTECTION OF WORKERS, PUBLIC AND PRIVATE PROPERTY DURING CONSTRUCTION UNTIL THE COMPLETION OF WORK.
- K. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, MEASUREMENTS, ELEVATIONS AND EXISTING CONDITIONS BEFORE ORDERING ANY MATERIALS OR COMPLETING ANY WORK.

2. STRUCTURAL STEEL

- A. ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- B. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123 UNLESS NOTED OTHERWISE. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695 UNLESS NOTED OTHERWISE.
- C. ALL GUY STRANDS SHALL BE PROTECTED IN ACCORDANCE WITH ASTM A475 OR A586 MINIMUM CLASS A COATING.
- D. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MINIMUM GRADES UNLESS NOTED OTHERWISE:
  - CHANNELS, ANGLES: ASTM A572 GR. 50
  - SOLID ROD (1/2", 5/8", 3/4" AND LARGER): ASTM A572 GR. 50
  - SOLID ROD (9/16"): CR 1018
  - SOLID ROD (7/16" AND SMALLER): ASTM A36
  - PIPE/TUBE: ASTM A572 GR. 50
  - PLATE: ASTM A36
  - BOLTS: ASTM A325 TYPE I
  - U-BOLTS: ASTM A307
  - WIRE ROPE CLIPS: ASME B30.26/FF-C-450
- E. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE ENGINEER OF RECORD.
- F. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
- G. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT SHALL BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- H. FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
- I. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES, AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVANITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

1.3. WELDING:

- A. ALL WELDING IS TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- B. ALL ELECTRODES SHALL BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- C. PRIOR TO FIELD WELDING GALVANIZED OR PAINTED MATERIAL CONTRACTOR SHALL GRIND OFF GALVANIZING OR PAINT 2" MINIMUM BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVANITE COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
- D. ALL WELDS SHALL BE INSPECTED VISUALLY BY AN AWS CERTIFIED WELD INSPECTOR. A LETTER AND REPORT SHALL BE ISSUED BY THE CERTIFIED WELD INSPECTOR AND PROVIDED TO THE ENGINEER OF RECORD.
- E. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING NEARBY COMBUSTIBLE MATERIALS FROM HEAT, FLAME, SPARKS, AND SLAG BY MOVING OR COVERING THEM.
- F. THE CONTRACTOR SHALL PROVIDE A FIRE WATCH THAT MUST REMAIN IN THE WORK AREA 30 MINUTES MINIMUM AFTER WELDING OR CUTTING OPERATIONS HAVE ENDED.
- G. ALL FIELD WELDS ARE TO BE E70XX UNLESS NOTED OTHERWISE.

1.4. BOLT TIGHTENING PROCEDURE

- A. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED HIGH STRENGTH BOLTS WITH THREADS EXCLUDED FROM THE SHEAR PLANE.
- B. FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES.
- C. BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS SHALL BE TENSIONED 1/3 TURN BEYOND SNUG TIGHT. BOLT LENGTHS OVER FOUR DIAMETERS SHALL BE TENSIONED 1/2 TURN BEYOND SNUG TIGHT.
- D. ALL ONE-SIDED BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

1.5. PAINT

- A. AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 70/7460-1K.
- B. TOP COAT PAINT COLOR TO MATCH EXISTING.

1.6. SPECIAL INSPECTIONS

- 1. ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.

1.7. TOLERANCES

- A. CONSTRUCTION OF TOWERS SHALL MEET ALL OF THE TOLERANCE REQUIREMENTS AS OUTLINED IN CHAPTER 6.1.2 OF THE TIA CODE.

1.8. PAINTING

- B. STRUCTURAL MODIFICATION THAT DIRECTLY AFFECTS THE FAA COMPLIANT PAINT PATTERN MUST BE PAINTED TO MATCH THE EXISTING PATTERN.

1.9. CONCRETE

- A. CONCRETE SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- B. REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.
- C. CONCRETE INSTALLATION TO CONFORM TO ACI-318 BUILDING REQUIREMENTS FOR REINFORCED CONCRETE.
- D. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH FREE OF WATER AND ALL FOREIGN OBJECTS AND MATERIALS.
- E. A MINIMUM OF THREE INCHES OF CONCRETE SHALL COVER ALL REINFORCEMENT.
- F. WELDING OF REBAR NOT PERMITTED.
- G. ALL COLD JOINTS BETWEEN HARDENED AND FRESH CONCRETE SHALL BE COATED WITH AN EXTERIOR RATED BONDING AGENT.

2.0. SOIL COMPACTION

- A. ALL FILL SHOULD BE PLACED IN LOOSE LEVEL LIFTS OF NO MORE THAN 12" THICK. FILL MATERIALS SHOULD BE CLEAN AND FREE OF ORGANIC AND FROZEN MATERIALS OR ANY OTHER DELETERIOUS MATERIALS. COMPACT FILL TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698.



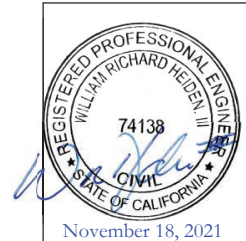
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REVISIONS					



GENERAL NOTES  
 SHELTER COVE  
 756 TOTH ROAD  
 WHITEHORN, CA 95589

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H CODE CHECKLIST -- 2018 IBC	DESCRIPTION	REQUIRED	RESPONSIBILITY	FREQUENCY										
STRUCTURAL OBSERVATION	IBC: 1704.5	NO	SI (RPE)	---										
<b>GEOTECHNICAL:</b>														
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	SI	PERIODIC										
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	SI	PERIODIC										
PERFORM CLASSIFICATION OF COMPACTED FILL MATERIALS	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	SI	CONTINUOUS										
PERFORM TESTING OF COMPACTED FILL MATERIALS	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	TA	CONTINUOUS										
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	SI	CONTINUOUS										
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	REFER TO GEOTECHNICAL REPORT IF AVAILABLE	YES	SI	PERIODIC										
<b>CONCRETE:</b>														
INSPECTION OF REINFORCING STEEL, INCLUDING PRE-STRESSING TENDONS, AND PLACEMENT.	ACI 318: 3.5, 7.1-7.7, IBC: 1910.4	YES	SI	PERIODIC										
INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B	AWS D1.4, ACI 318: 3.5.2	YES	CW	PERIODIC										
INSPECTION OF EMBEDMENTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	ACI 318: 8.1.3, 21.1.8, IBC: 1908.5, 1909.1	YES	SI	CONTINUOUS										
INSPECTION OF HORIZONTAL AND UPWARD SLOPING EMBEDMENTS INSTALLED IN HARDENED CONCRETE	ACI 318: 3.8.6, 8.1.3, 21.1.8, IBC: 1909.1	YES	SI	CONTINUOUS										
INSPECTION OF EMBEDMENTS INSTALLED IN HARDENED CONCRETE (OTHER ORIENTATIONS):	ACI 318: 3.8.6, 8.1.3, 21.1.8, IBC: 1909.1	YES	SI	PERIODIC										
VERIFY MIX DESIGN:	ACI 318: CH 4, 5.2-5.4, IBC: 1904.2, 1910.2, 1910.3	YES	GC EOR	PERIODIC										
A. GC TO PROVIDE MIX DESIGN TO EOR PRIOR TO CONCRETE ORDER FOR REVIEW AND APPROVAL														
B. EOR TO APPROVE OR REJECT MIX DESIGN														
INSPECTION OF FRESH CONCRETE & BONDING AGENT PLACEMENT	REFER TO DRAWINGS	YES	SI	CONTINUOUS										
SAMPLING AND TESTING OF FRESH CONCRETE IMMEDIATELY PRIOR TO PLACEMENT FOR SLUMP, AIR AND TEMPERATURE	ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8, IBC: 1910.10	YES	TA	CONTINUOUS										
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES	ACI 318: 5.11-5.13, IBC: 1910.9	YES	SI	PERIODIC										
INSPECTION OF PRE-STRESSED CONCRETE FOR APPLICATION OF PRE-STRESSING FORCES AND GROUTING OF BONDED PRE-STRESSING TENDONS	ACI 318: 18.20, ACI 318: 18.18.4	YES	SI	CONTINUOUS										
ERECTION OF PRECAST CONCRETE MEMBERS	ACI 318: CH 16	YES	SI	PERIODIC										
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO LOADING, STRESSING OF TENDONS AND/OR REMOVAL OF FORMS:	ACI 318: 6.2	YES	TA GC EOR	PERIODIC										
A. TA TO PROVIDE CONCRETE BREAK TEST(S) TO GC WHEN REQUESTED														
B. GC TO PROVIDE CONCRETE BREAK TEST(S) TO EOR FOR APPROVAL														
C. EOR TO APPROVE OR REJECT REQUESTED ACTIONS BASED ON TESTED STRENGTH(S)														
INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	ACI 318: 6.1.1	YES	SI	PERIODIC										
PULL-TESTING OF INSTALLED FOUNDATION SYSTEMS OR EMBEDMENTS:	REFER TO DRAWINGS	YES	SI	CONTINUOUS										
A. SI SHALL CONDUCT TESTING OR OBSERVE TESTING BY OTHERS FOR CONFORMANCE WITH DRAWINGS														
B. SI SHALL DOCUMENT TEST RESULTS IN A REPORT														
BASE PLATE GROUTING	REFER TO DRAWINGS	NO	SI	PERIODIC										
<b>STEEL:</b>														
IDENTIFICATION OF HARDWARE MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	APPLICABLE ASTM MATERIAL STANDARDS	NO	SI	PERIODIC										
HARDWARE MANUFACTURER CERTIFICATE OF COMPLIANCE	---	NO	FAB	PERIODIC										
FIELD INSPECTION OF STRUCTURAL STEEL MEMBERS	REFER TO DRAWINGS	NO	SI	PERIODIC										
SNUG TIGHT JOINTS	AISC 360, SECTION N6, IBC: 1705.2	NO	SI	PERIODIC										
TENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCH-MARKING, TWIST OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	AISC 360, SECTION N6, IBC: 1705.2	NO	SI	PERIODIC										
PRE-TENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCH-MARKING, OR CALIBRATED WRENCH METHODS OF INSTALLATION	AISC 360, SECTION N6, IBC: 1705.2	NO	SI	CONTINUOUS										
IDENTIFICATION OF STRUCTURAL STEEL MARKINGS TO CONFORM TO AISC 303	AISC 303, SECTION 6.1	NO	FAB	PERIODIC										
IDENTIFICATION OF OTHER STEEL MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	APPLICABLE ASTM MATERIAL STANDARDS	NO	FAB	PERIODIC										
STRUCTURAL STEEL MANUFACTURER CERTIFIED TEST REPORTS	---		FAB	PERIODIC										
<b>WELDING:</b>														
WELD FILLER IDENTIFICATION AND MARKING TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	APPLICABLE AWS STANDARDS	NO	CW	PERIODIC										
WELD FILLER MATERIAL MANUFACTURER CERTIFICATION OF COMPLIANCE	---	NO	FAB	PERIODIC										
COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	AWS D1.1, IBC 1705.2.2.1	NO	CW	CONTINUOUS										
MULTI-PASS FILLET WELDS	AWS D1.1, IBC 1705.2.2.1	NO	CW	CONTINUOUS										
SINGLE-PASS FILLET WELDS >5/16"	AWS D1.1, IBC 1705.2.2.1	NO	CW	CONTINUOUS										
PLUG AND SLOT WELDS	AWS D1.1, IBC 1705.2.2.1	NO	CW	CONTINUOUS										
SINGLE-PASS FILLET WELDS <5/16"	AWS D1.1, IBC 1705.2.2.1	NO	CW	PERIODIC										
<table border="0"> <tr> <td>TABLE KEY:</td> <td>EOR: ENGINEER OF RECORD</td> <td>SI: SPECIAL INSPECTOR</td> <td>RPE: REGISTERED PROFESSIONAL ENGINEER</td> <td>TA: 3RD PARTY TESTING AGENCY</td> </tr> <tr> <td></td> <td>GC: GENERAL CONTRACTOR</td> <td>FAB: FABRICATOR</td> <td>CW: CERTIFIED WELDING INSPECTOR</td> <td></td> </tr> </table>					TABLE KEY:	EOR: ENGINEER OF RECORD	SI: SPECIAL INSPECTOR	RPE: REGISTERED PROFESSIONAL ENGINEER	TA: 3RD PARTY TESTING AGENCY		GC: GENERAL CONTRACTOR	FAB: FABRICATOR	CW: CERTIFIED WELDING INSPECTOR	
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NO.	DATE	MODIFICATION DRAWINGS	BY	CHK	APP'D
A	11-17-21	MODIFICATION DRAWINGS	CAD	M/W	WRH
REVISIONS					



GENERAL NOTES

SHELTER COVE  
756 TOTH ROAD  
WHITEHORN, CA 95589

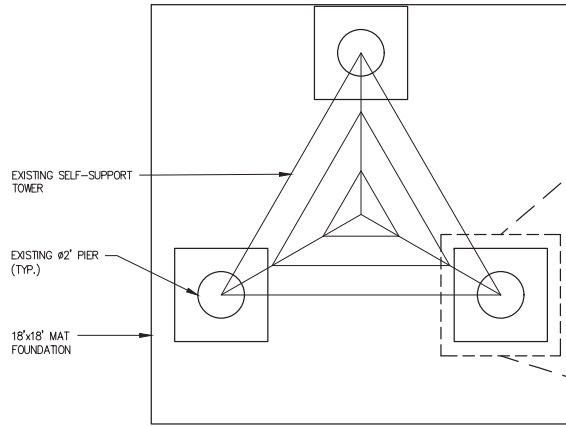
SN-2

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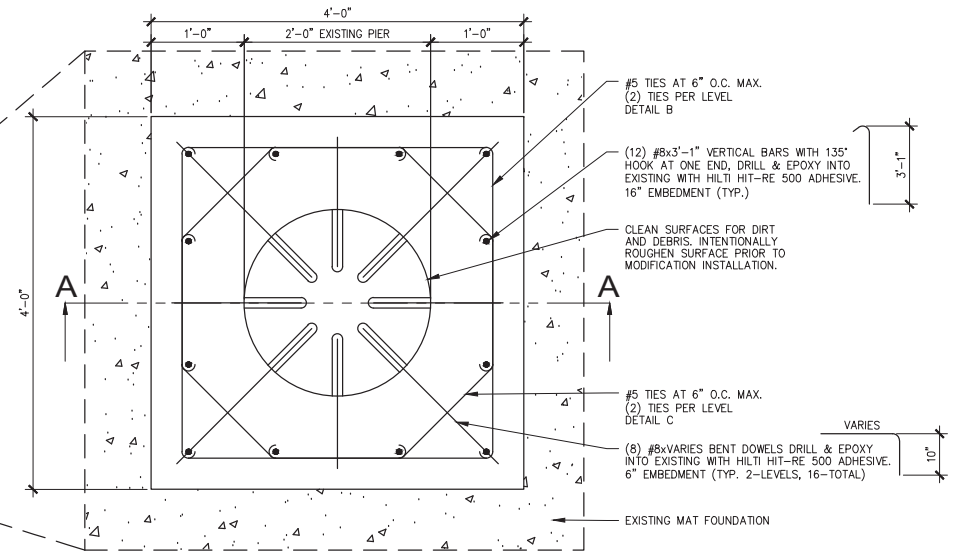
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

- GENERAL NOTES:**
- DO NOT COMPLETE ANY MODIFICATION WORK IF WIND SPEED EXCEEDS 20 MPH.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY FIELD DIMENSIONS PRIOR TO FABRICATION OF MATERIALS.
  - BOLT HOLES ARE TO BE 1/16" LARGER THAN BOLT DIAMETER UNLESS NOTED OTHERWISE.

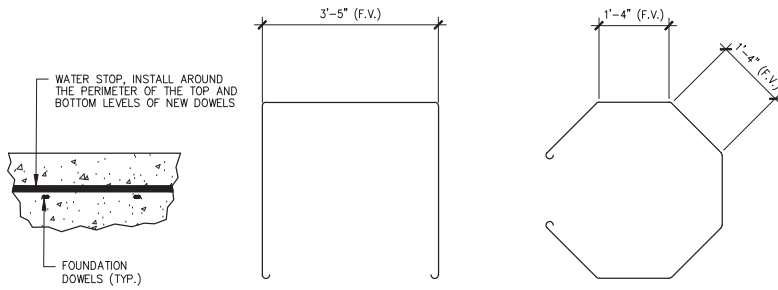
ANY DISCREPANCIES BETWEEN THIS DRAWING PACKAGE AND EXISTING FIELD CONDITIONS MUST BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.



**Overall Foundation**  
NOT TO SCALE



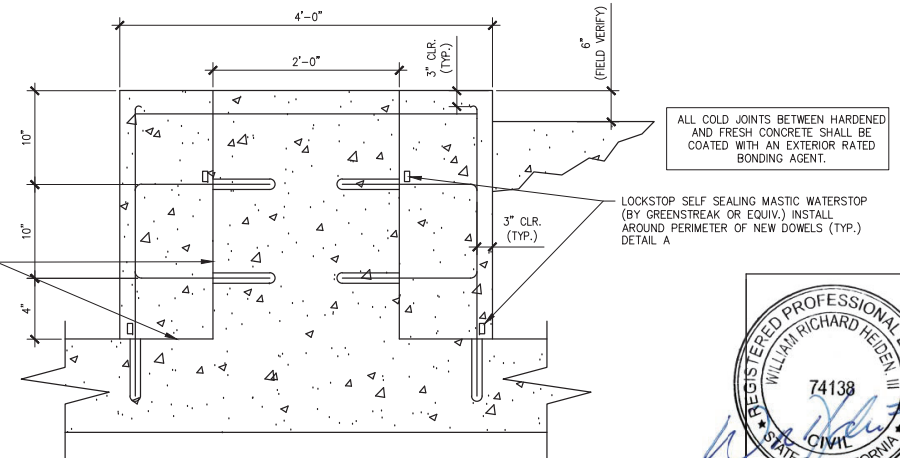
**Foundation Modification Top View**  
NOT TO SCALE



DETAIL A      DETAIL B      DETAIL C

**Dowels & Rebar Details**  
NOT TO SCALE

CLEAN SURFACES FOR DIRT AND DEBRIS. INTENTIONALLY ROUGHEN SURFACE PRIOR TO MODIFICATION INSTALLATION.



**Foundation Modification Section A**  
NOT TO SCALE



November 18, 2021

NO.	DATE	DESCRIPTION	BY	CHK	APP'D
A	11-17-21	MODIFICATION DRAWINGS	CAD	M/W	WRH
		REVISIONS			



MODIFICATION DETAILS  
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WHITEHORN, CA 95589

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