

Reference Project #: EWT 8055-489 – Rondeau MCTS

Date of Issue: August 12, 2016

RFQ – Telecommunication Tower Maintenance and Engineered Inspection

Scope of work

Canadian Coast Guard (CCG) has a requirement for maintenance and inspection of the telecommunication tower at our Rondeau VHF radio site. Maintenance work includes replacement of the existing top-mount obstruction light beacon and controller, as well as guy tension adjustments.

Tower Inspection and Maintenance

The successful bidder will be required to perform full tower inspections on the telecommunication style tower in Rondeau. The successful bidder shall also be adequately trained and prepared to adjust guy tensions to within specification while at site performing the inspection.

Obstruction Lighting

The current TWR LEDBEACON 2 obstruction lighting is to be replaced with a Dialight D464-A13-001 top mounted beacon. Replace lighting controller, new controller to be 'RLC-201-UNI' by ITL, LLC. If needed to account for a different current draw from the new light. The contractor is responsible for reviewing this ahead of time and identifying any potential problems to CCG.

Existing mid-level, cables, and photocell may be -reused.

Field Work

Site work must be coordinated with a Canadian Coast Guard representative who will have a representative on site during the work. Consultant must have minimum of 2 people on site for the visit; 1 tower climber and 1 tower rescuer. Both shall be trained and qualified as applicable. Note that any Fall Arrest system found on the given towers is to be used for climbing tower only, not for work positioning, in accordance with manufacturer's instructions.

The successful bidder shall be required to perform an inspection on 1 guyed tower in Rondeau. All items discussed in Appendix D of CAN/CSA S-37-13 shall be thoroughly investigated.

The successful bidder shall also adjust guy tension for the tower as needed.

Report

Inspection report to include commentary on all items discussed in Appendix D, CSA S-37-13, and accompanying photographs of all observed areas of deficiency. Although the engineer will be subcontractor to the contractor responsible for this scope of work, the report shall be addressed to the Canadian Coast Guard.

Report must be stamped by a P. Eng. licensed to practice in Ontario, and shall be provided in soft copy (.pdf). Photographs need only be included within report.





It is required that the completed report identifies that the tower tension and alignment is within CSA S37-13 requirements. A report identifying anything to the contrary will not be accepted.

Tower Details

Height: 200' VHF

Manufacturer: Netricom Year of Installation: 2012

Site Location and Accessibility

The site is located in Rondeau, ON and can be accessed through municipal roadways. It should be noted that the lane into the site will not be maintained during the winter. Should there be snow present the contractor will be responsible for plowing. Maps and photographs of the site have been provided in Appendix A and B.

All costs associated with the mobilization, operating, and demobilizing of the site must be included in the quoted price. In responding to this RFQ, bidders acknowledge that they have made their own assessment of the difficulties of accessing and undertaking the assignment at this location.

General Requirements

Perform work in accordance with the National Building Code of Canada (NBC) and any other code of provincial or local application. In the case of any conflict or discrepancy, the more stringent requirements will apply.

Meet or exceed the requirements of:

- 1. Contract documents;
- 2. Specified standards, codes and referenced documents;
- 3. S37-01; Antennas, Towers and Antenna-supporting structures.

Health and Safety

The contractor must execute the works identified herein in strict conformance with the requirements set forth in the following:

- 1. Canadian Labour Code Part II January 2008
- 2. Ontario Occupational Health and Safety Act and Regulations

The contractor must have an existing corporate health and safety policy and must be registered and in good standing with the Worker's Compensation and Insurance Board (WSIB).

Submittals

Contractors must provide the following to Canadian Coast Guard within 5 days after award and prior to commencing any work:

- 1. A signed corporate safety statement, or a signed corporate safety policy;
- 2. Current WSIB clearance certificate:
- 3. Proof of general liability insurance;
- 4. Project specific safety plan.





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Firms that have previously submitted policies to CCG are excluded from this requirement; however, must indicate when, and for which project, their policies were last submitted.

Schedule

Field work may commence as soon as possible upon award. Contractors shall provide the Canadian Coast Guard with notice 5 business days prior to requiring access to the sites. All modifications must be completed and reports received no later than March 31, 2017.

Quote Structure

Provide a lump sum quotation including all provisions to fully complete the requirements of this RFQ. Please list H.S.T. separately.

Background Information

Appendix A – Site Location

Appendix B – Photos

Appendix C – Site and Tower Drawings





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APPENDIX A SITE LOCATION



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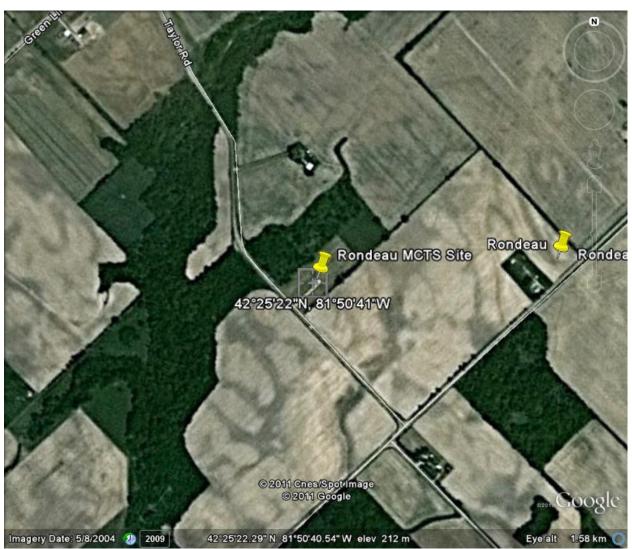


Figure 1: Site Location of Rondeau MCTS

Rondeau, ON - 42°25'22" N, 81°50'41" W





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APPENDIX B PHOTOS



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Figure 2: Rondeau Site





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APPENDIX C TOWER DRAWINGS





FISHERIES AND OCEANS CANADA EF&I a new Structure COAST GUARD RONDEAU MCTS PRESTIGE TELECOM ID#: 24-SSGL FILE NO.: 0163462

		200	
NO.	DESCRIPTION	DRAWING NO.	REV.
1	GENERAL NOTES - 60m RG24	24-SSGL-N01-01	0
2	TOWER PROFILE - 60m RG24	24-SSGL-E01-01	2
3	SITE PLAN -	24-SSGL-S01-01	0
4	COMPOUND AREA LAYOUT -	24-SSGL-S02-01	0
5	TOWER FOUNDATION - TOWER BASE	24-SSGL-F01-01	1
6	FOUNDATION - EARTH ANCHOR	24-SSGL-F02-01	1
7	ANCHOR - LOCATING DIAGRAM	91B111-E01	2
8	FOUNDATION - TX BRIDGE PIER	24-SSGL-F03-01	0
9	FOUNDATION - BOLLARD FOUNDATION	24-SSGL-F04-01	0
10	FOUNDATION - REBAR CUTTING CHART	24-SSGL-F05-01	1
11	BASE SECTION - STAR BASE INSTALLATION	24B216-E01-01	0
12	GUY ASSEMBLY -	24-SSGL-E02-01	0
13	GUY TENSION CHART -	24-SSGL-E03-01	0
14	GUY TENSION CHART -	24-SSGL-E03-02	0
15	GROUNDING - GROUNDING BELOW GRADE	24-SSGL-E04-01	1
16	GROUNDING - GROUNDING ABOVE GRADE	24-SSGL-E04-02	0
17	ANTENNA MOUNT - SD214-HF2P2LDF @ EL. 66.05m	24-SSGL-E05-01	0
18	ANTENNA MOUNT - SD212-SF2P4SNM @ EL. 59.44m	24-SSGL-E06-01	0
19	ANTENNA MOUNT - SD212-SF2P4SNM @ EL. 59.44m	24-SSGL-E06-02	0
20	ANTENNA MOUNT - SD214-SF2P2LDF @ EL. 56.38m	24-SSGL-E07-01	0
21	ANTENNA MOUNT - SD214-SF2P2LDFNM @ EL. 56.38m	24-SSGL-E07-02	0
22	ANTENNA MOUNT - SD214-SF2P2LDF @ EL. 47.24m	24-SSGL-E08-01	0
23	LIGHTING - DOL LIGHT ICE GUARD INSTALLTION	24-SSGL-E09-01	0
24	ANTI-CLIMB - MESH TYPE ANTI-CLIMB	24-SSGL-E10-01	0
25	TX LINE BRIDGE - 10' SINGLE w POST & BASE PLATE	TB001-E01	0
26	TX LINE BRIDGE - ACCESSORIES END PLATE 2' & 3'	TB006-E03	2
27	GUY - INITIAL TENSION TAG ASSEMBLY	GY009-E01	0
28	SAFETY CLIMB - RAM RAIL	CL001-E01	6
29	PIPE CLAMP - FOR 1 1/2"OD TO 2 7/8"OD (38 TO 73mm)	91B147-E01	2
30	LIGHTING - "JC" TOWER JUNCTION BOX	LT004-E02	0
31	LIGHTING - (2) DOUBLE OBSTRUCTION LIGHT	LT004-E03	0
32	LIGHTING - TOP BEACON MOUNT	LT004-E04	1
	MATERIAL LIST	12 PAGES	

FILE NO.

0163462

REVISIONS

REV. DESCRIPTION DWN CHK APP

DWG REFERENCE	





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FISHERIES AND OCEANS CANADA ERECTION INDEX EF&I a new Structure COAST GUARD RONDEAU MCTS

DWN:	YNL	CHK'D:	SJD	DATE: Feb/07/2012
ENG'R:	C	AG	ENG'R A	PP'D:

DRAWING NO:

24-SSGL-XE00-01

1

REV:

- 1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICTS EXIST BETWEEN THE DRAWINGS, SPECIFICATIONS AND/OR THE GENERAL STRUCTURAL NOTES, THE STRICTEST PROVISION SHALL GOVERN.
- 2. WHERE THE DESIGN STANDARDS ARE INDICATED WITHOUT A RELEASE DATE, THE MOST RECENT VERSION SHALL APPLY.
- 3. PRIOR TO STARTING THE WORK, THE CONTRACTOR SHALL ADVISE THE TOWER OWNER AND THE ENGINEER OF RECORD IN WRITING OF ANY ABNORMALITY OR DAMAGES OBSERVED ON THE EXISTING TOWER THAT ARE NOT INDICATED IN THESE DRAWINGS. ALL OTHER ABNORMALITIES OR DAMAGES BROUGHT TO THE ENGINEER AND OWNERS ATTENTION AFTER THE START OF THE WORK ON THE TOWER SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING STRUCTURE IN THE SITE AND COMPARE THESE DIMENSIONS AND CONDITIONS WITH THOSE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF RECORD, OF ANY CONFLICTS OR OMISSION NOTED ON SITE. THE CONTRACTOR SHALL CARRY OUT THIS VERIFICATION BEFORE THE PREPARATION OF SHOP DRAWINGS AND FABRICATION OF THE NEW ELEMENTS AS INDICATED IN THIS DRAWING PACKAGE.
- 5. EXCEPT AS NOTED OTHERWISE, THE CONTRACTOR IS RESPONSIBLE FOR THE MANUFACTURING, SUPPLY AND INSTALLATION OF ALL THE NEW ELEMENTS SHOWN ON THE DRAWINGS.
- 6. THE CONTRACTOR SHALL SUBMIT THE SHOP DRAWINGS OF ALL NEW ELEMENTS PRIOR TO FABRICATION, FOR APPROVAL BY THE ENGINEER OF RECORD.
- 7. THE CONTRACTOR SHALL PERFORM ALL THE WORK DESCRIBED IN THE SCOPE OF WORK IN ENTIRE CONFORMITY WITH THIS DRAWING PACKAGE. ANY PROPOSED CHANGES BY THE CONTRACTOR RELATIVE TO THE DRAWINGS (e.g. DIFFERENT MEMBER SIZES, LENGTHS, CONFIGURATION, ETC.) SHALL BE SUBMITTED TO THE TOWER OWNER AND ENGINEER OF RECORD FOR APPROVAL PRIOR TO THEIR FABRICATION AND/OR INSTALLATION. ANY CHANGES MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IN THIS CASE, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXPENSE AND COSTS RELATED TO THE MEASUREMENT ON SITE OF THE "AS-BUILT" CONDITIONS, THE VERIFICATION OF THE CHANGES AND REVISION OF DRAWINGS TO ACCOUNT FOR THESE CHANGES. ANY FURTHER MODIFICATION REQUIRED DUE TO THESE CHANGES WILL BE AT THE CONTRACTOR'S EXPENSE AND TO THE OWNER'S SATISFACTION.

- 1. THE FOUNDATION DESIGN IS BASED ON THE LOADS SHOWN ON THE DESIGN PROFILE AND THE SOIL REPORT. SEE THE FOUNDATION DRAWINGS FOR REFERENCES TO SOIL PARAMETERS AND SOILS REPORT.
- 2. WHERE SITE CONDITIONS DIFFER FROM THESE DRAWINGS, CONSULT THE ENGINEER OF RECORD RESPONSIBLE FOR THE
- 3. A REPRESENTATIVE OF THE ENGINEER OR THE OWNER SHALL INSPECT THE FOUNDATION INSTALLATION TO ENSURE COMPLIANCE WITH THE PLANS.
- 4. THE CONTRACTOR IS RESPONSIBLE TO CHECK AREA FOR LOCATIONS OF UNDERGROUND PIPES, CABLES, CONDUIT, ETC. PRIOR
- 5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND SAFETY REGULATION REQUIREMENTS. PROCEDURES FOR PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF FOUNDATION WORK.
- 6. BRACING, SHORING, AND SLOPING OF EXCAVATIONS SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL AND FEDERAL CODES, SAFETY REGULATIONS AND SOILS REPORT RECOMMENDATIONS.
- 7. WELDING OF REINFORCING STEEL AND EMBEDMENT IS PROHIBITED UNLESS OTHERWISE NOTED ON DRAWINGS.
- 8. CONCRETE COVERAGE OVER ALL STEEL SHALL CONFORM TO CSA A23.1 APPLICABLE BUILDING CODE MINIMUM REQUIREMENTS AND AS SHOWN ON STRUCTURAL DETAILS. THE MINIMUM CLEAR CONCRETE COVER OVER REBAR SHALL BE 75mm.
- 9. A REPRESENTATIVE OF THE ENGINEER OR THE OWNER SHALL INSPECT BOTTOM OF EXCAVATION PRIOR TO PLACING THE STEEL REINFORCING CAGE AND CONCRETE, TO INSURE NO SIGNIFICANT AMOUNTS OF LOOSE SOIL OR FOREIGN MATERIAL REMAINS.
- 10. SPACING DEVICES SHALL BE USED AS REQUIRED TO MAINTAIN THE SIDE CLEARANCE BETWEEN THE STEEL REINFORCEMENT AND EXCAVATION WALL.
- 11. CONCRETE SHALL BE PLACED INTO EXCAVATION WITHOUT UNDUE DELAY, WITH THE USE OF A CHUTE OR HOPPER DEVICE TO DIRECT THE CONCRETE TO FALL WITHIN THE CENTER OF THE STEEL CAGE. CONCRETE SHALL NOT BE ALLOWED TO HIT THE STEEL CAGE IN A MANNER WHICH WOULD CAUSE SEGREGATION OF THE MATERIAL.
- 12. BACK FILL SHALL BE PLACED IN 225-300mm HORIZONTAL LIFTS AND COMPACTED TO A MINIMUM 95% OF STANDARD PROCTOR DRY DENSITY. THE FILL MATERIAL SHALL BE FREE OF LARGE ROCKS, WASTE, AND DEBRIS AND SHALL BE PLACED AT OR NEAR THE OPTIMUM MOISTURE CONTENT. ALSO REFER TO THE SOIL REPORT FOR RECOMMENDED BACKFILL/COMPACTED FILL
- 13. THE CONTRACTOR SHALL INFORM THE REPRESENTATIVE OF THE ENGINEER AND/OR OWNER A SPECIFIC TIME WHEN THE WORKS ARE READY TO BE INSPECTED, AND BEFORE ANY CONCRETE POURING.

- 1. THE CONTRACTOR IS FULLY RESPONSIBLE FOR REINFORCED CONCRETE WORKS.
- CONCRETE MATERIAL AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF CSA A23.1 TESTING METHODS SHALL CONFORM TO CSA A23.2.
- 3. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH OF 30MPa, UNLESS OTHERWISE NOTED.
- 4. RECOMMENDED CONCRETE SLUMP 75mm TO 125mm, WITH ENTRAINED AIR OF 5% TO 7%.
- 5. ALL REINFORCING STEEL BARS SHALL CONFORM TO CSA G30.18, AND HAVE A YIELD STRENGTH OF 400MPa, UNLESS OTHERWISE
- 6. LAPS, ANCHORAGES AND SPLICES SHALL COMPLY WITH THE REQUIREMENTS OF CSA A23.3.
- 7. CONCRETE TESTS, SLUMP AND PLACEMENT SHALL BE INSPECTED BY A THIRD PARTY INSPECTION FIRM.

- 1. THE CONTRACTOR IS FULLY RESPONSIBLE OF IMPLEMENTING ERECTION PROCEDURES AND QUALITY CONTROL MEASURES TO ENSURE A SAFE WORK CONDITION, ALL WORK SHALL BE DONE IN ACCORDANCE OF CANADA LABOUR CODE PART II.
- 2. THE CONTRACTOR IS EXPECTED TO BE EXPERIENCED ON THE INSTALLATION OF STRUCTURES FOR THE TELECOM INDUSTRY.
- 3. ANY WORK INVOLVING THE TEMPORARY REMOVAL OF EXISTING MEMBERS SHALL BE DONE ONLY BY QUALIFIED AND EXPERIENCED PERSONNEL AND FOLLOWING APPROVED ERECTION PROCEDURES.
- 4. ALL PRECAUTIONS AND EFFORTS SHALL BE TAKEN TO ENSURE THE TOWER STABILITY DURING THE INSTALLATION PROCESS.
- 5. ERECTION METHODS AND TOLERANCES SHALL COMPLY WITH STANDARD CSA S37. MINIMUM RECOMMENDED WEATHER CONDITIONS THAT SHOULD BE OBSERVED TO ENSURE A SAFE WORKING CONDITION SHALL BE: WIND NOT TO EXCEED 30 km/h AND NO THUNDERSTORMS FORECASTED.
- 6. THE TOWER SHALL BE PLUMBED IN CALM WEATHER CONDITIONS.
- UPON COMPLETION OF ALL WORK, THE SITE SHALL BE CLEARED OF ALL DEBRIS AS REQUIRED, AND ANY SURPLUS MATERIAL NOT REMOVED FROM THE SITE SHALL BE NEATLY STORED IN AN AREA DESIGNED BY THE OWNER OR THE OWNER'S

- 1. GUY WIRES SHALL BE EITHER GRADE 180 STRAND (CSA G12, DESIGNATED AS GS), EXTRA HIGH-STRENGTH STRAND (ASTM A475, DESIGNATED AS EH), OR BRIDGE STRAND (ASTM A586, DESIGNATED AS BS), LEFT-HAND LAY CABLES AS DESIGNATED ON PLANS WITH FINISH MEETING RESPECTIVE SPECIFICATIONS.
- ALL GUY FITTINGS SHALL BE GALVANIZED PER CSA G164 OR ASTM A123 AND SHALL BE SUITABLY HEAT TREATED (NORMALIZED OR ANNEALED).
- GROUNDING ON THE GUYS AT ANCHORS SHALL MEET MINIMUM CSA STANDARD 537 REQUIREMENTS AND CUSTOMER SPECIFICATION IF APPLICABLE.

STRUCTURAL STEEL

- ALL STEEL FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CSA STANDARDS CSA S16.1 AND CSA S37.
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH STANDARD CSA W59 AND USING E49XX (Fu=450 MPa) ELECTRODES. ALL WELDING TO BE PERFORMED IN A CWB REGISTERED SHOP. FIELD-WELDING IS NOT PERMITTED UNLESS NOTED
- 3, ALL NEW STEEL SHALL CONFORM TO CSA G40.20/G40.21 300W AND 350W AS INDICATED IN THE DRAWINGS
- ALL NEW BOLTS, WASHERS AND NUTS SHALL CONFORM TO ASTM 325 UNLESS NOTED OTHERWISE. ALL CONNECTIONS TO BE BEARING WITH THE BOLT THREADS OUTSIDE POSSIBLE SHEAR PLANES. ALL BOLTS SHALL BE TIGHTENED USING THE TURN-OF-THE-NUT METHOD AS DESCRIBED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, DO NOT RE-USE EXISTING BOLTS ONCE REMOVED. THREADED CONNECTIONS OTHER THAN HIGH STRENGTH BOLTS SHALL HAVE A MEANS TO PREVENT LOOSENING, ACCEPTABLE METHODS ARE LOCK WASHER OR LOCK NUTS.
- ALL U-BOLTS HAVE TO BE MINIMUM SAE J429 GRADE 2 OR EQUIVALENT WITH ROLLED THREADS. CUT THREADS ARE NOT ACCEPTABLE, EACH THREADED PART OF THE U-BOLT SHALL HAVE A ROUND FLAT WASHER ASTM F436, A SPRING LOCK WASHER EXTRA DUTY TYPE CONFORMING TO ANSI B27.1 AND A SAE GRADE 2 HEX NUT.
- THE FINISHED DIAMETER OF BOLT HOLES SHALL NOT BE MORE THAN 2mm LARGER THAN THE NOMINAL BOLT DIAMETER UNLESS NOTED OTHERWISE.
- CUT EDGES SHALL BE TRUE, SMOOTH AND FREE FROM EXCESSIVE BURRS AND RAGGED BREAKS. SHEARED EDGES OF THICK PLATES SHALL BE PLANNED TO A DEPTH OF 6mm. RE-ENTRANT CUTS SHALL BE AVOIDED; IF USED, THEY SHALL BE FILLETED BY DRILLING PRIOR TO CUTTING.
- TOLERANCES AS INDICATED IN CSA S16.1 SHALL BE CAREFULLY FOLLOWED DURING FABRICATION.
- PRIOR TO GALVANIZING, ALL FABRICATED STEEL SHALL BE THOROUGHLY SHOP INSPECTED.
- 10. EXCEPT WHERE NOTED OTHERWISE, ALL NEW STEEL MEMBERS, BOLTS AND HARDWARE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH STANDARD CSA G164. DOUBLE-DIPPING IN GALVANIZING BATHS IS NOT PERMITTED.
- ANY DAMAGES TO GALVANIZED SURFACES AND AROUND FIELD-DRILLED HOLES SHALL BE CLEANED AND TOUCHED-UP WITH TWO COATS OF ZINC-RICH PAINT IN ACCORDANCE WITH STANDARD CSA G189.
- 12. ALL STEEL FABRICATION AND INSTALLATION SHALL USE THE GAUGE LINES AND END DISTANCES FROM THE TABLES BELOW UNLESS NOTED OTHERWISE ON DETAIL DRAWINGS.

FND DISTANCES

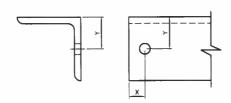
Bolt Size (in)	End Distance (in) [X]	End Distance (mm) [X]
1/2	1	25
5/8	1.181	30
3/4	1.377	35
7/8	1.574	40

Note:

For 5/8" single bolt connected 5mm (3/16") thick diagonal or horizontal members, the end distance is 35mm (1.377").

A NGLE GAUGE LINES (from heel to hole center)

Ang. Size (in)	Ang. Size (mm)	Gauge (in) [Y]	Gauge (mm) [Y]
L2x2	L51x51	1.102	28
L2-1/2x2-1/2	L64x64	1.377	35
L3x3	L76x76	1.574	40
L3-1/2x3-1/2	L89x89	1.771	45
L4x4	L102x102	1.968	50
L5x5	L127x127	2.559	65



FILE NO. 0163462 REVISIONS DWN CHK APP DESCRIPTION

DWG REFERENCE





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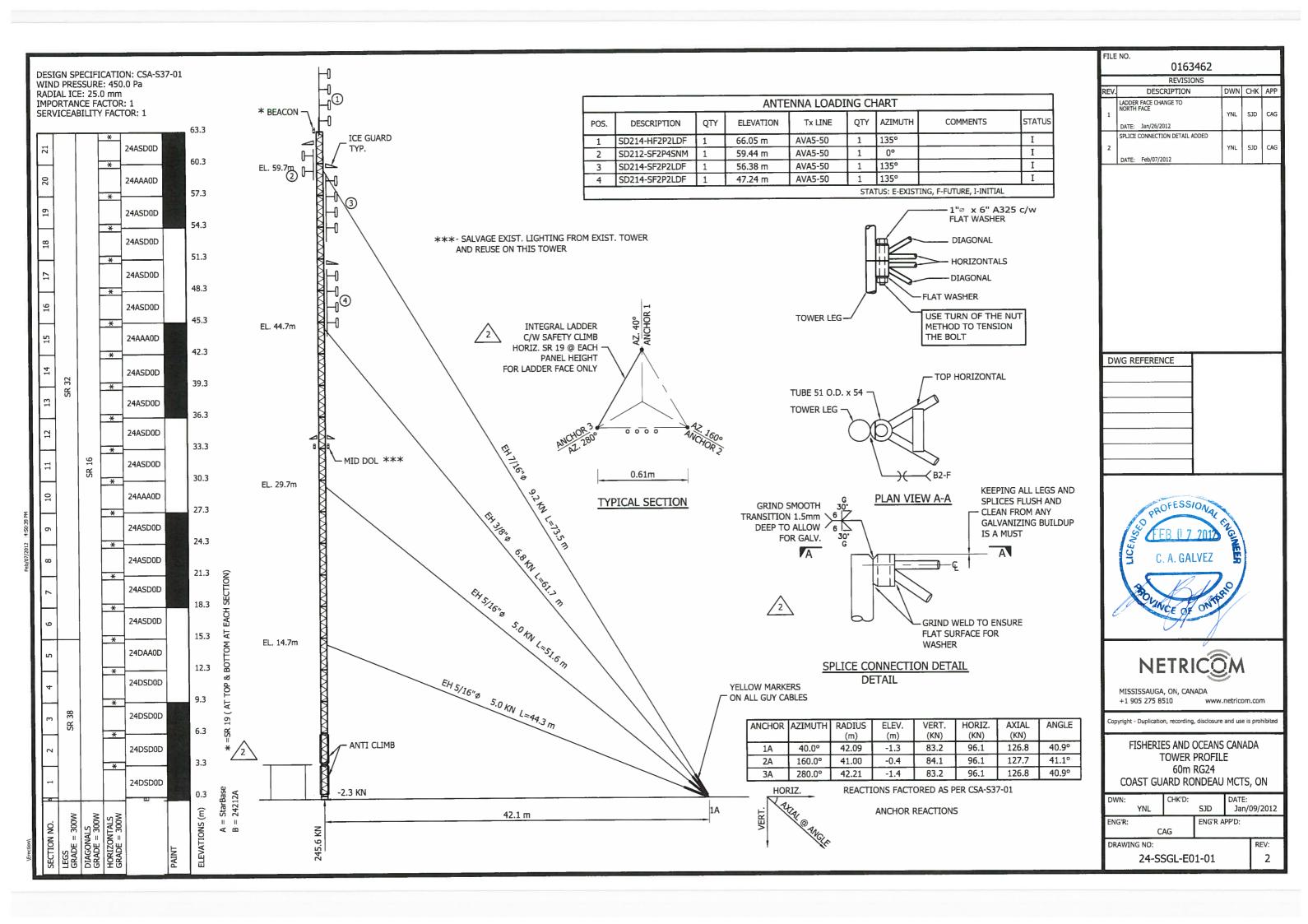
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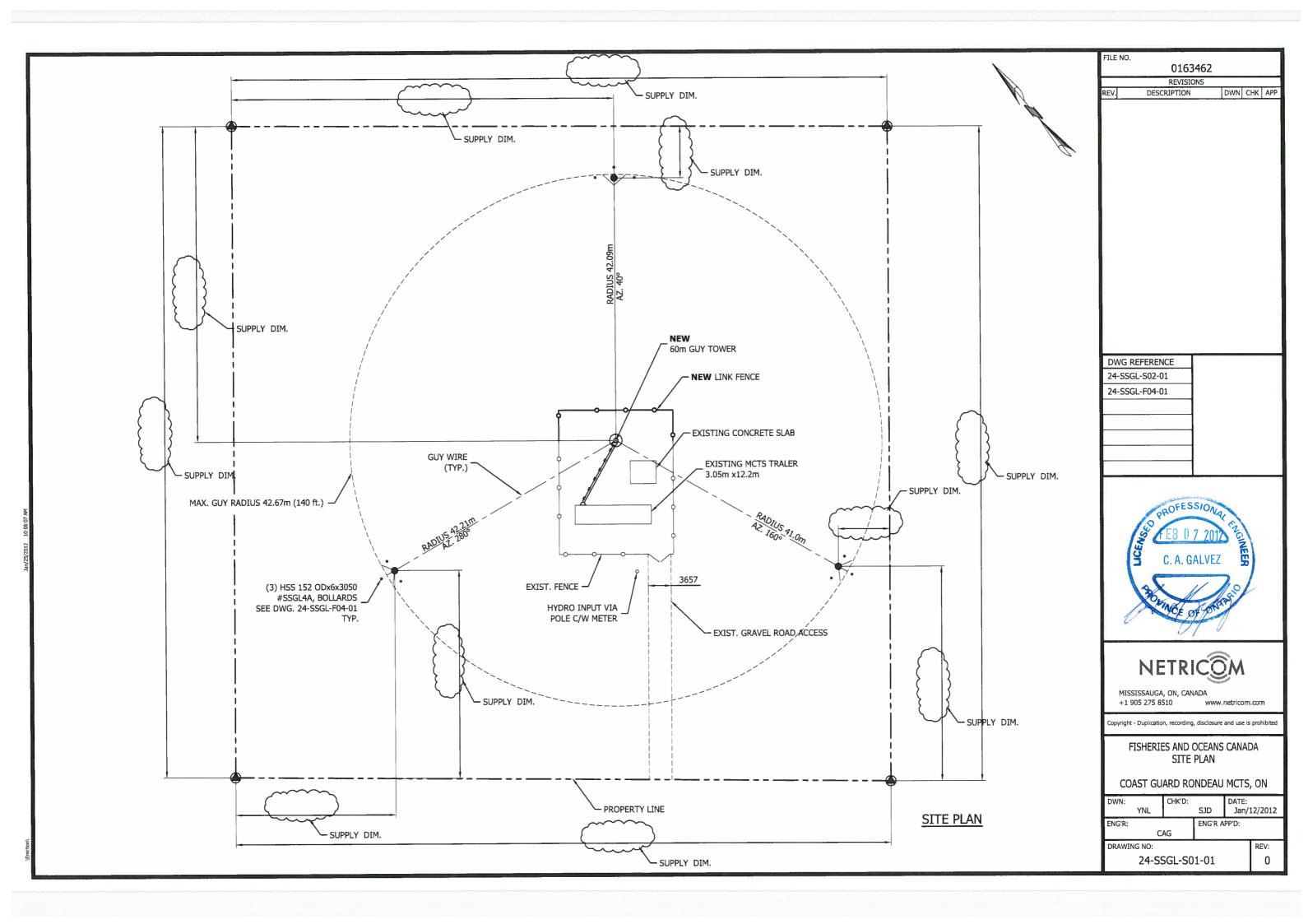
FISHERIES AND OCEANS CANADA **GENERAL NOTES** 60m RG24 COAST GUARD RONDEAU MCTS, ON

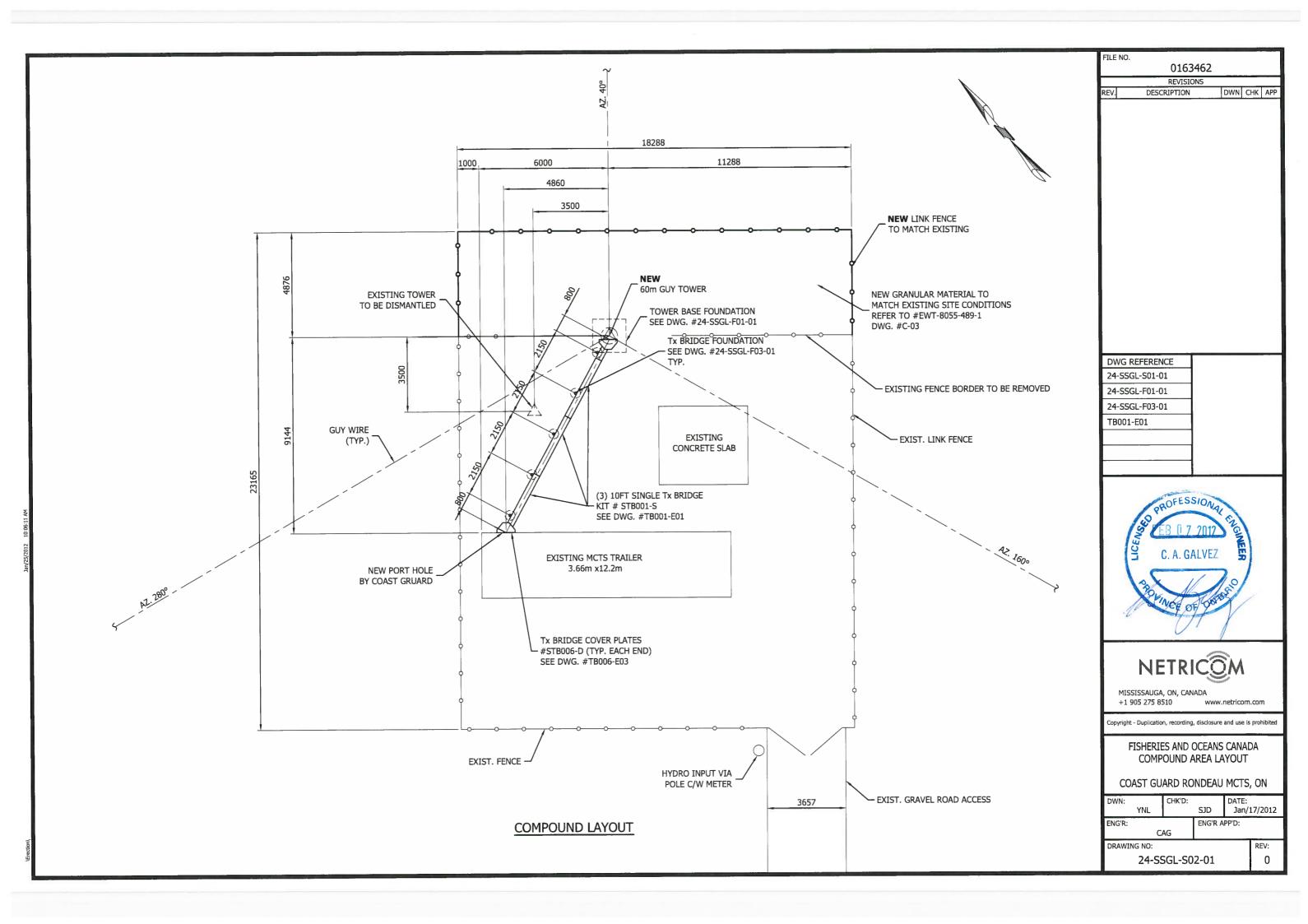
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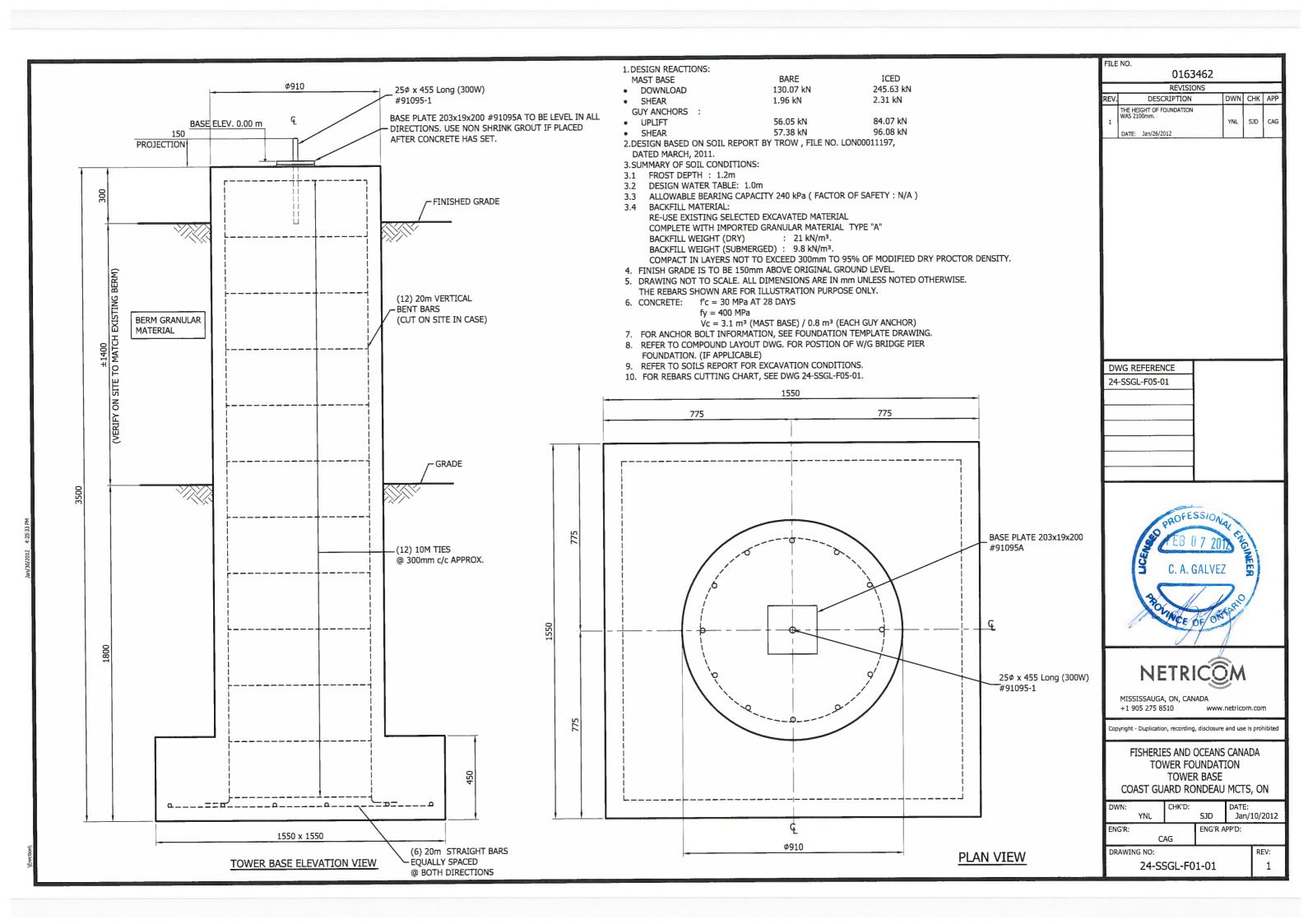
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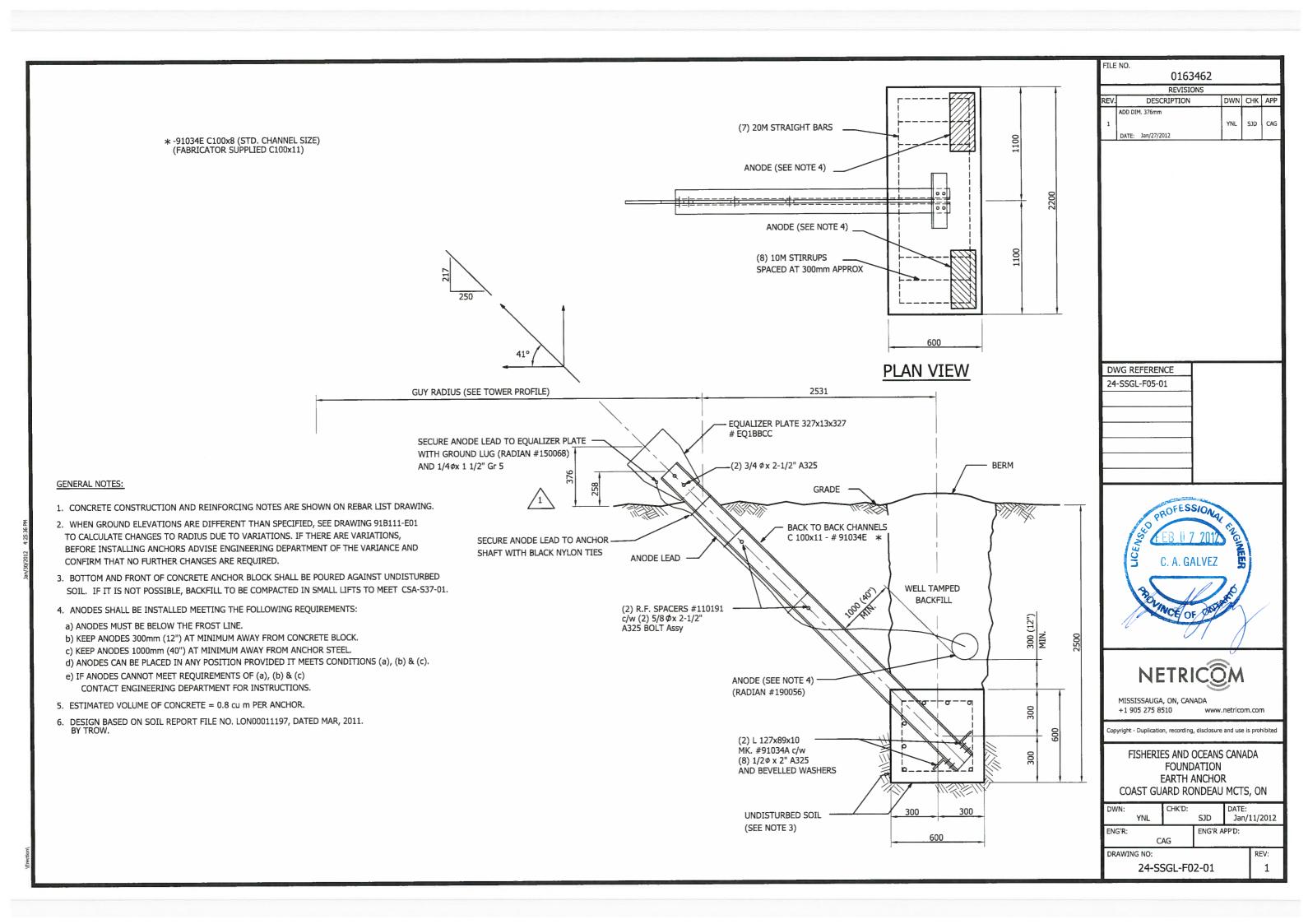
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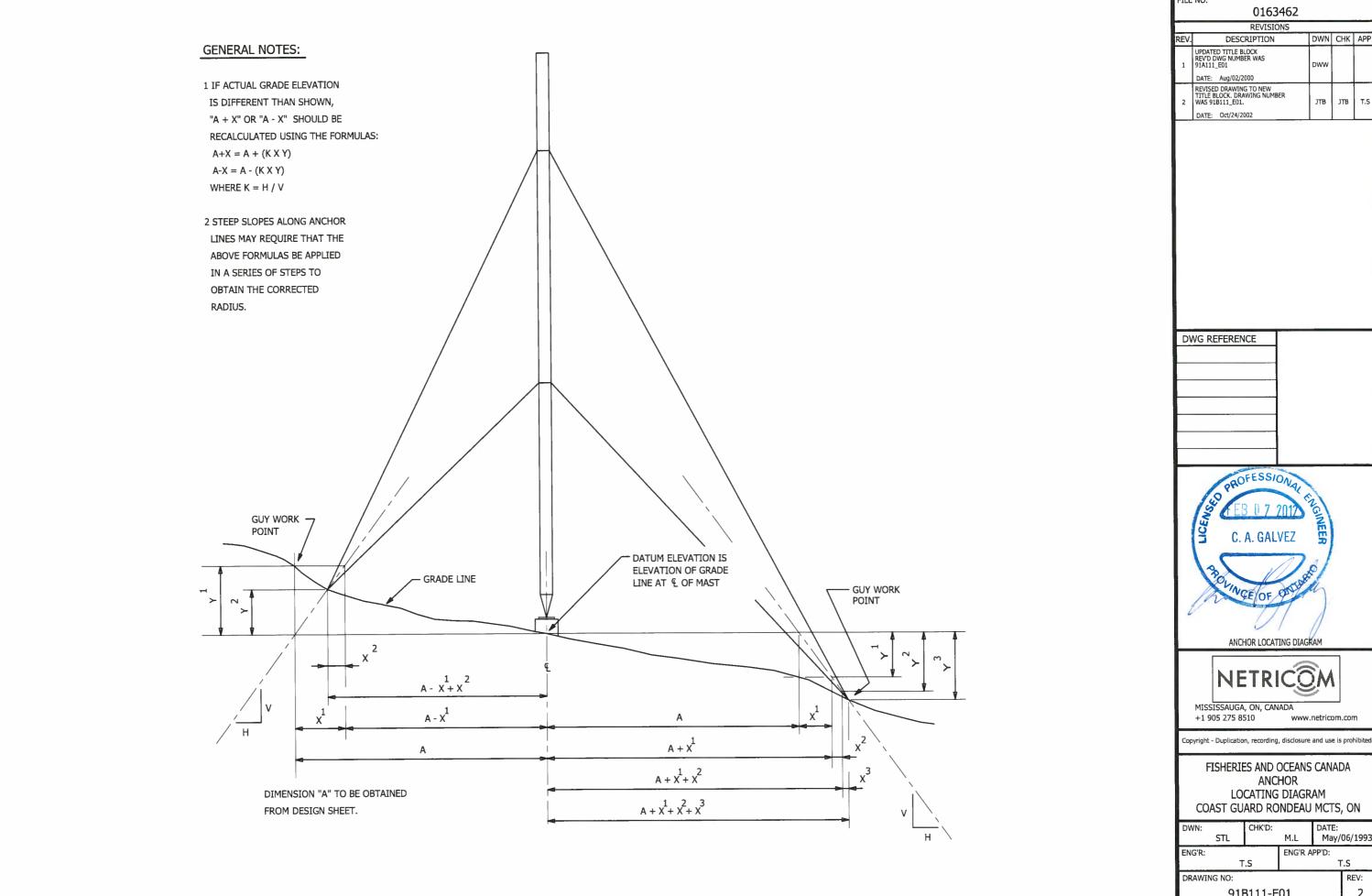








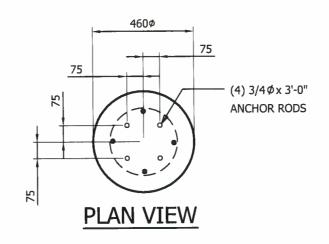


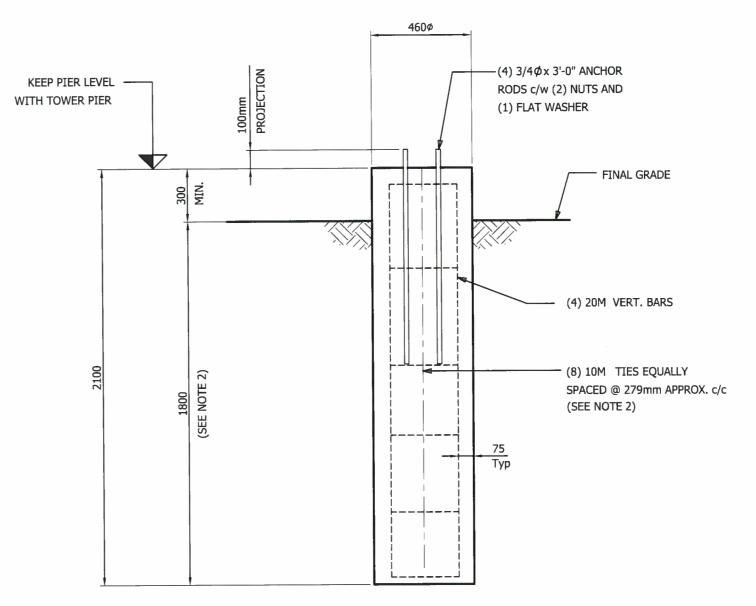


FILE NO. DWN CHK APP JTB

FISHERIES AND OCEANS CANADA

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GENERAL NOTES:

- 1. CONCRETE CONSTRUCTION AND REINFORCING NOTES ARE SHOWN ON THE REBAR DRAWING. SEE DWG. 24-SSGL-F05-01.
- 2. WHEN A TX-BRIDGE PIER IS LOCATED WITHIN THE AREA OF A TOWER BASE PAD, THE BRIDGE PIER REBAR SHOULD BE TIED INTO THE TOWER PAD REBAR.

Tx LINE BRIDGE PIER

Est Concrete Volume=0.35 cu m

0163462			
REVISIONS			
DESCRIPTION	DWN	CHK	API
	REVISIONS	REVISIONS	REVISIONS

DWG REFERENCE	
24-SSGL-F05-01	





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FISHERIES AND OCEANS CANADA FOUNDATION TX BRIDGE PIER COAST GUARD RONDEAU MCTS, ON

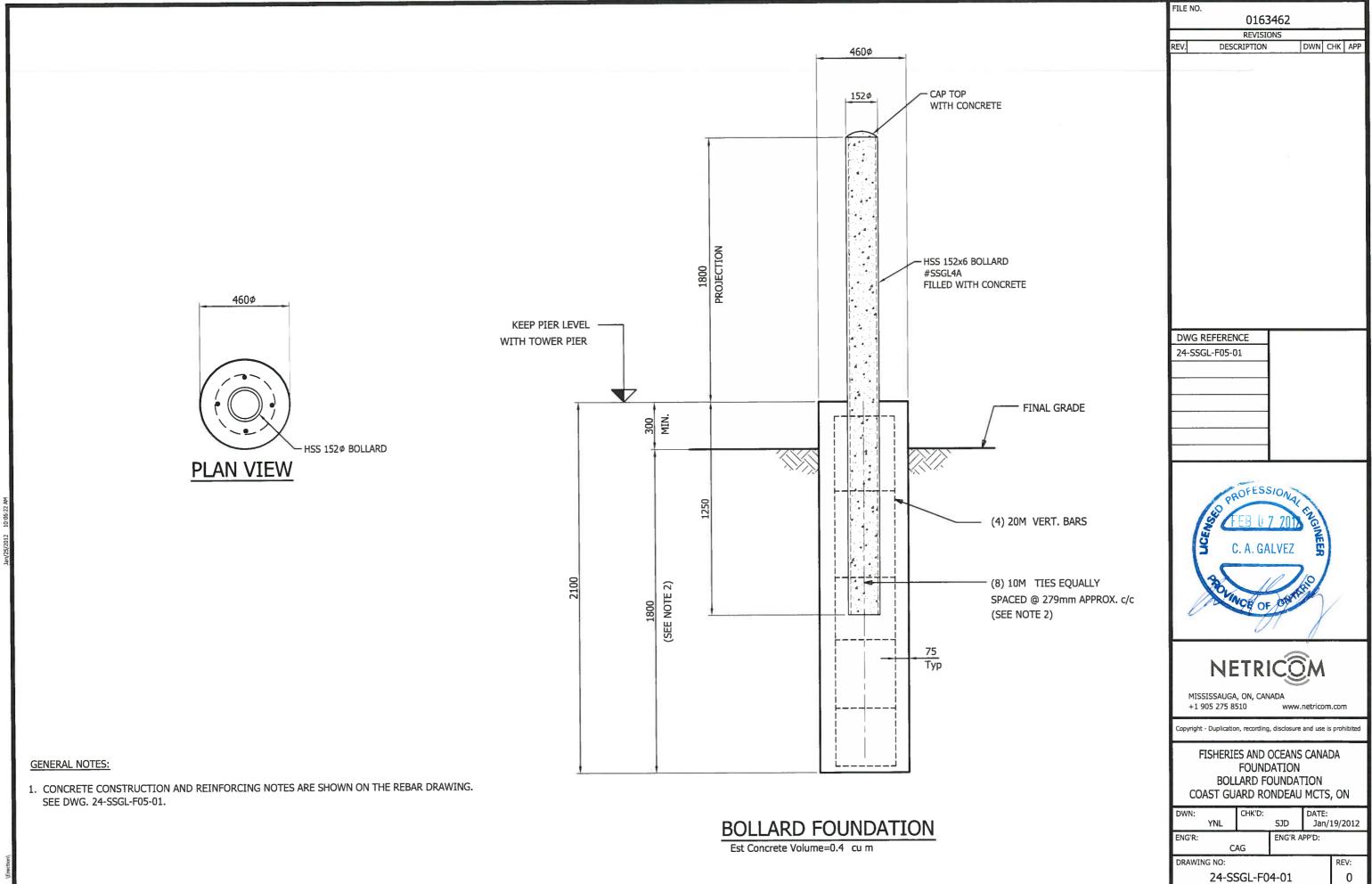
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 YNL
 CHK'D:
 SJD
 DATE:
 Jan/12/2012

 ENG'R:
 ENG'R APP'D:
 ENG'R APP'D:

DRAWING NO: 24-SSGL-F03-01

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REV:



BAR

LOCATION

BAR

SIZE

TYPE

					_			
TWR. BASE	20M		3575	3310			12	223
		BENT				A		
TWR. BASE	10M	3121	2550	760			12	53
W/G PIER	10M		1140	310	\neg	90° HOOKS	40	79
BOLLARD PIER	10M	TIE	1140	310		BOTH ENDS	72	142
ANCHOR	10M		1950	450			24	81
		CTTODIO				A 135° HOOKS		
	-	STIRRUP			7 L	S BOTH ENDS		
		1						
				DIM. "A"	DIM. "B"	135° HOOKS BOTH ENDS		
		STIRRUP				HOOK LENGTH		
		1				A FOR 10M		
						3		
		STIRRUP						
]						
		STIRRUP						
BASE PAD	20M	STRAIGHT	1400				12	87
ANCHOR	20M	STRAIGHT	2050				21	224
W/G PIER	20M	STRAIGHT	1950				20	203
BOLLARD PIEF	20M	STRAIGHT	1950	<u></u>			36	365
							ļ	
SUBSTITUTION	ON OF IMPE	RIAL FOR MET	RIC SIZES & WEIG	GHTS		GRAND TOTAL BAR WE	IGHT (LBS)	1457

BAR LIST FOR REINFORCING STEEL

DIM. "A"

TOTAL BAR

LENGTH

(mm)

Mass X-sectional X-sectional

0.16

0.31

0.47

0.78

1.09

1.55

2.33

Areain² Areamm²

100

200

300

700

1000

1500

BENDING DIAGRAM

QTY.

Mass X-sectional X-sectional kg/m Area in² Area mm²

0.20

0.60

1.27

819 1006 1452

0.994 1.552

3.042 3.973

6.404

 5,313
 7.907
 1.56

 7,650
 11.384
 2.25

 13,600
 20.239
 4.00

Imperial Mass

0.668

1.043

2.044

2.670

3.400

TOTAL

REQ'D WT.(LBS)

GENERAL CONCRETE CONSTRUCTION NOTES:

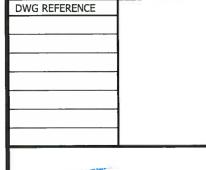
- 1. CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30MPa AT 28 DAYS.
- REINFORCED CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CAN/CSA-A23.1
- 3. THE MINIMUM CONCRETE COVER OVER REBAR SHALL BE 75mm (3").
- A) FOR EARTH CONDITIONS POUR CONCRETE ON UNDISTURBED SOIL
 B) FOR ROCK CONDITIONS REMOVE LOOSE WEATHERED ROCK AND ONLY POUR CONCRETE OR GROUT ON GOOD SOLID ROCK.
- 5. BACKFILL SHALL BE SELECTED MATERIAL, WELL COMPACTED IN LAYERS NOT EXCEEDING 300mm (12").
- BACKFILL SHALL BE PLACED SO AS TO PREVENT THE ACCUMULATION OF WATER AROUND THE INSTALLATION.
- 7. USE CONCRETE WITH 5% (±1%) IN VOLUME OF ENTRAINED AIR.

GENERAL CONCRETE REINFORCING NOTES:

- 1. CONCRETE REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA-A23.1
- 2. REINFORCING STEEL SHALL BE GRADE 400 (GRADE 60), UNLESS NOTED OTHERWISE.
- 3. EMBEDDED STRUCTURAL ANCHOR STEEL WILL BE SUPPLIED BY NETRICOM.
- 4. ALL OTHER STEEL IS TO BE SUPPLIED BY THE FOUNDATION CONTRACTOR.



0163462







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FISHERIES AND OCEANS CANADA FOUNDATION REBAR CUTTING CHART COAST GUARD RONDEAU MCTS, ON

DWN:	YNL	CHK'D:	SJD	DATE: Jan/18/2012
ENG'R:			ENG'R A	PP'D:
	C	AG		

1

DRAWING NO:

24-SSGL-F05-01

Enaction

Metric

BarSize

10M

15M

20M

25M

_35M

45M

55M

Mass

0.785

1.570

2.355

3.925

5.495

7.850

11.775

19.625

lb/ft

0.528

1.055

1.583

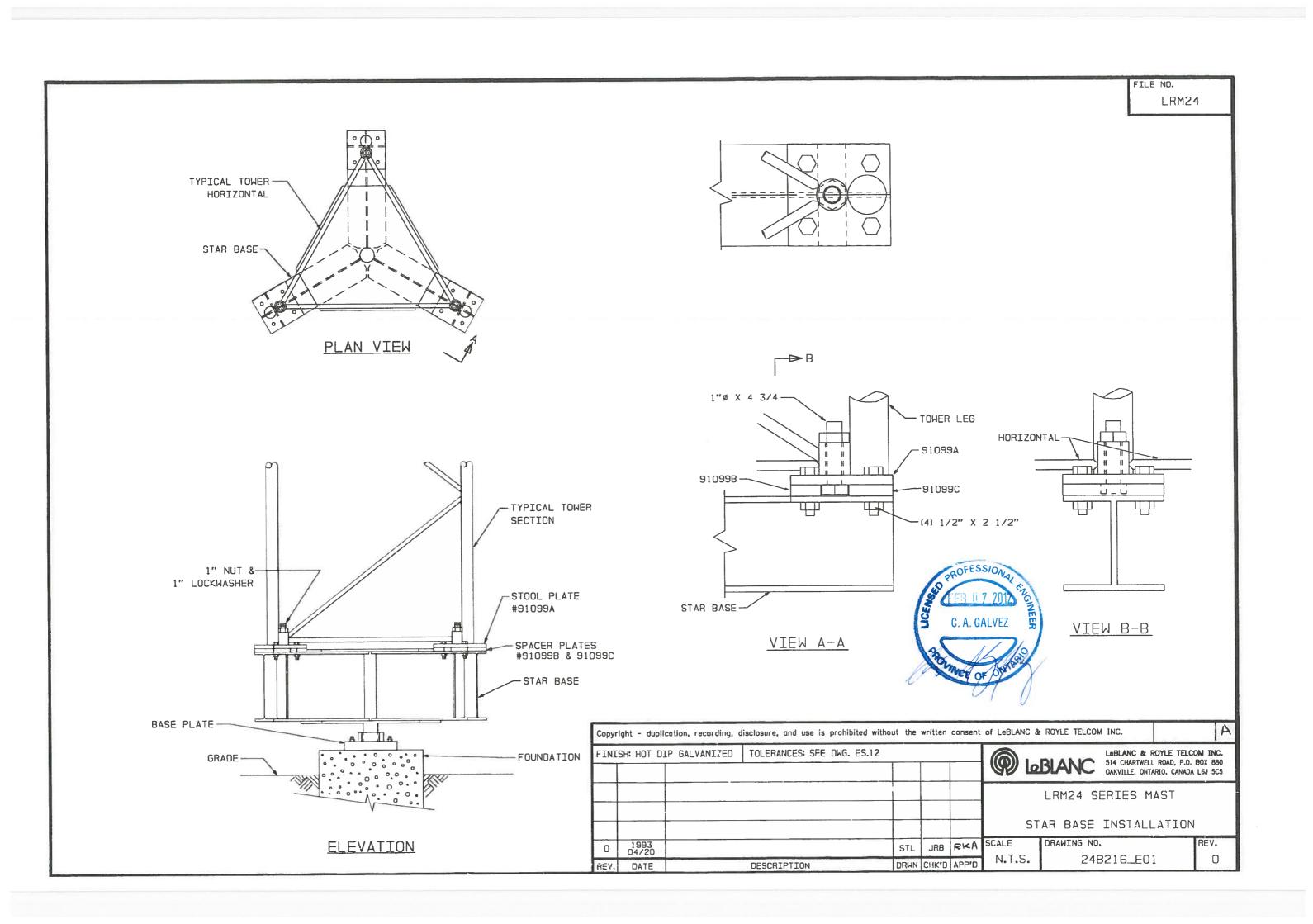
2.638

3.693

5.275

7.912

13.188

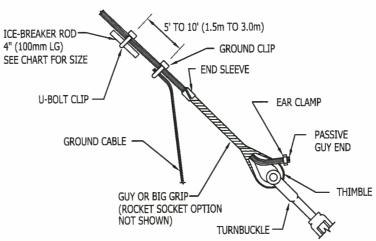


GUY OR EHS STRAND

GUY GRIP

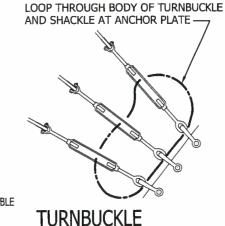
TYPE A - GUY OR EHS STRAND ASSEMBLY

NOTE: SHOWN IS THE OPTIMUM METHOD OF SECURING GUY AND GRIP ENDS WITH END SLEEVES TAND EAR CLAMPS. END SLEEVES MAY BE SUBSTITUTED WITH EAR CLAMPS, BUT THEY MUST BE SLIPPED ON THE STRAND BEFORE THE GRIP IS INSTALLED. TO INSTALL EAR CLAMPS, USE 8-10" LINEMAN'S PLIERS OR OETIKER PINCERS.



TURNBUCKLE

REPRESENTATION ONLY ACTUAL ANCHOR MAY DIFFER FROM ABOVE



DWG REFERENCE

FILE NO.

0163462

DWN CHK APP

REVISIONS DESCRIPTION





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FISHERIES AND OCEANS CANADA **GUY ASSEMBLY**

COAST GUARD RONDEAU MCTS, ON

	DWN: YNL	CHK'D:	SJD	0/2012			
	ENG'R:	AG	ENG'R APP'D:				
	DRAWING NO:	REV:					
	24-SS	GL-E0	2-01		0		

GRIP CONNECTION & ICE BREAKER Assy (BOTTOM END ONLY)

GUY	GUY	GUY	GUY	SHACKLE	TURNBUCKLE	THIMBLE	GUY GRIP OR	END SLEEVE	EAR CLAMP	ACTUAL	SUPPLIED	GUY	GUY	TAG No	REEL No	POSITION	ICE-	BREAKER	
ELEVATION	AZIMUTH	SIZE (in)	TYPE	SIZE			ROCKET SOCKET	PART #	PART #	LENGTH	LENGTH	WEIGHT	QTY			OFF	U-BOLT CLIP	RÓD	ROD Dia
14.66m	40°	5/16□EHS	А	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	45.0m	51.0m	16 kg	1				140002	91261A	3/8"
14.66m	160°	5/16□EHS	А	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	44.0m	50.0m	16 kg	1				140002	91261A	3/8"
14.66m	280°	5/16 EHS	Α	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	45.0m	51.0m	16 kg	1				140002	91261A	3/8"
29.66m	40°	5/16□EHS	А	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	52.0m	58.0m	19 kg	1				140002	91261A	3/8"
29.66m	160°	5/16□EHS	А	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	51.0m	57.0m	18 kg	1				140002	91261A	3/8"
29.66m	280°	5/16□EHS	А	3/8***	5/8 x 12 J&E	3/8	5/16	140159	140169	53.0m	59.0m	19 kg	1				140002	91261A	3/8"
44.66m	40°	3/8□EHS	Α	1/2	5/8 x 12 J&E	3/8	3/8	140160	140170	63.0m	69.0m	29 kg	1				140003	91261A	3/8"
44.66m	160°	3/8□EHS	Α	1/2	5/8 x 12 J&E	3/8	3/8	140160	140170	61.0m	67.0m	29 kg	1				140003	91261A	3/8"
44.66m	280°	3/8□EHS	А	1/2	5/8 x 12 J&E	3/8	3/8	140160	140170	63.0m	69.0m	29 kg	1				140003	91261A	3/8"
59.66m	40°	7/16 EHS	А	1/2	3/4 x 18 J&E	1/2 - 9/16	7/16	140161	140170	74.0m	80.0m	49 kg	1				140004	91261A	3/8"
59.66m	160°	7/16□EHS	А	1/2	3/4 x 18 J&E	1/2 - 9/16	7/16	140161	140170	73.0m	79.0m	48 kg	1				140004	91261A	3/8"
59.66m	280°	7/16□EHS	А	1/2	3/4 x 18 J&E	1/2 - 9/16	7/16	140161	140170	75.0m	81.0m	49 kg	1				140004	91261A	3/8"
												_							
																			\square

GENERAL NOTES:

- 1. "SUPPLIED LENGTH" INCLUDES EXTRA CABLE TO ALLOW FOR BOTTOM CONNECTION AND DROP OFF IN GROUND LEVEL. (Approx 20')
- 2. VERIFY ALL GUY RADII AND ELEVATIONS RELATIVE TO TOWER BASE BEFORE CUTTING GUY LENGTHS.
- 3. MOUNT U-BOLT CLIP WITH THE SADDLE ON THE LOAD SIDE OF THE STRAND.
- 4. ALL GUY HARDWARE PROVIDES 100% EFFICIENCY RATING (UNLESS NOTED OTHERWISE).

- * = TOP THIMBLE SUPPLIED WITH MECHANICAL SPLICE (OR INCLUDED IN THE CLOSED SPELTER SOCKET)
- ** = SUPPLIED WITH ROCKET SOCKET
- *** = SHACKLE SIZE AT ANCHOR (BOTTOM) END. TOWER (TOP) END SHACKLE IS 1/2".

STANDARD INITIAL TENSIONS ARE AT 10 C TOWER BASE ELEVATION = 0.00 Dimensions are in (METERS) unless specified otherwise. GUY HEIGHT GUY DIAMETER (in.) GUY DATA: GUY HEIGHT GUY DIAMETER (in.) GUY DATA: 29.656 0.3125 14.656 0.3125 3A 2A ANCHOR NAME 1A 3A 2A ANCHOR NAME 1A 280.00 160.00 ANCHOR AZIMUTH 40.00 280.00 160.00 40.00 ANCHOR AZIMUTH 42.21 42.09 41.00 RADIUS 41.00 42.21 42.09 RADIUS -1.41 -0.41**ELEVATION** -1.31 -1.41 -0.41**ELEVATION** -1.31 **GUY TENSION** TIME FOR TIME FOR TIME FOR **GUY TENSION** TEMP. **GUY TENSION** TIME FOR TIME FOR **GUY TENSION GUY TENSION** TIME FOR **GUY TENSION** TEMP. 10 PULSES 10 PULSES 10 PULSES 10 PULSES 10 PULSES 10 PULSES (SEC.) (KIPS) (KN) (SEC.) (KIPS) (KN) (C) (KIPS) (KN) (SEC.) (KIPS) (KIPS) (KN) (SEC.) (KN) (SEC.) (C) (KIPS) (KN) (SEC.) 7.78 7.73 6.33 1.75 6.51 -40 1.75 7.77 6.49 1.74 1.96 8.72 5.30 8.70 5.13 -40 1.96 8.72 5.28 1.96 7.18 6.57 1.62 7.22 6.76 -30 1.62 7.21 6.74 1.61 1.79 7.98 5.54 7.96 5.36 -30 1.79 7.98 5.52 1.79 6.63 6.84 1.50 6.66 7.03 1.50 6.65 7.01 1.49 -20 7.23 5.82 5.63 1.63 -20 1.63 7.23 5.80 1.62 7.21 6.08 7.14 1.37 6.10 7.35 1.37 7.33 1.37 -10 6.10 6.48 6.46 5.95 1.46 6.14 -10 1.46 6.48 6.12 1.45 7.48 1.25 5.54 7.71 7.68 1.24 5.53 1.25 5.54 6.53 00 5.72 6.32 1.29 5.74 00 1.29 5.74 6.50 1.29 7.88 4.98 8.12 8.10 1.12 4.98 1.12 4.98 7.00 10 1.12 4.97 6.78 1.12 4.99 1.12 4.99 6.97 1.12 10 0.99 4.42 8.62 8.59 1.00 4.43 8.35 4.42 7.35 0.95 4.24 7.58 20 0.99 20 0.95 4.24 7.56 0.95 4.22 0.87 3.86 9.21 0.87 3.88 8.92 9.18 0.79 3.50 8.35 30 0.87 3.86 30 0.79 3.50 8.32 0.78 3.48 8.10 3.30 9.95 0.75 3.33 9.62 0.74 40 0.74 3.31 9.92 2.75 9.41 0.62 0.62 2.75 9.38 0.61 2.73 9.13 40 PULSES & TENSIONS AT + 10.0 % OF DESIGN VALUES PULSES & TENSIONS AT + 10.0 % OF DESIGN VALUES ** MAXIMUM ALLOWABLE ** ** MAXIMUM ALLOWABLE ** 1.86 8.27 6.31 -40 1.86 8.27 6.30 1.85 8.23 6.14 5.15 9.22 2.07 2.07 9.22 5.13 2.07 9.20 4.99 -40 1.73 7.71 6.54 7.68 6.35 -30 1.73 7.71 6.52 1.73 5.37 8,48 1.91 8.48 5.35 1.90 8.45 5.20 1.91 -30 1.61 6.79 7.16 6.77 1.60 7.13 6.59 -20 1.61 7.15 7.73 5.63 1.74 7.73 5.61 1.73 7.71 5.45 1.74 -20 7.07 1.48 6.60 1.48 6.59 7.05 1.48 6.58 6.86 -10 5.92 1.57 6.98 5.90 1.56 6.96 5.73 1.57 6.98 -10 1.36 6.04 7.38 7.36 1.36 6.03 7.17 00 1.36 6.04 6.24 1.40 6.21 6.06 1.40 6.24 6.26 1.40 6.24 00 1.23 7.75 7.72 1.23 5.48 7.52 5.48 10 1.23 5.48 6.67 6.65 1.23 5.47 6.46 1.23 5.49 1.23 5.49 10 8.17 1.11 4.93 7.92 1.11 4.92 20 1.11 4.92 8.15 7.17 4.74 7.15 1.06 4.72 6.95 1.07 4.74 20 1.07 0.98 4.38 8.40 0.98 4.36 8.68 30 0.98 4.36 8.65 7.79 0.89 3.97 7.58 0.90 4.00 7.81 30 0.90 4.00 0.86 3.83 8.98 0.85 3.80 9.28 40 0.85 3.80 9.25 8.63 0.73 3.23 8.40 0.73 3.25 8.66 40 0.73 3.25 PULSES & TENSIONS AT - 10.0 % OF DESIGN VALUES PULSES & TENSIONS AT - 10.0 % OF DESIGN VALUES ** MINIMUM ALLOWABLE ** ** MINIMUM ALLOWABLE ** 1.64 7.28 6.73 7.27 6.71 1.63 7.24 6.55 -40 1.64 1.85 8.23 5.45 5.44 1.84 8.21 5.28 -40 1.85 8.23 1.50 6.69 6.81 1.51 6.72 7.00 1.51 6.72 6.98 -30 1.68 7.48 5.72 5.70 1.68 7.46 5.54 -30 1.68 7.48 6.13 1,38 6.16 7.31 7.29 1.38 7.11 -20 1.38 6.16 6.73 6.03 1.51 6.71 5.84 -20 1.51 6.73 6.01 1.51 5.58 1.26 5.60 7.66 7.64 1.26 7.44 5.60 6.39 -10 1.26 1.35 5.98 5.97 6.19 1.35 5.98 6.37 1.34 -10 7.84 5.04 8.07 8.05 1.13 5.03 1.13 5.04 00 1.13 1.18 5.24 6.83 5.22 6.61 00 1.18 5.24 6.81 1.17 4.48 8.56 4.48 8.30 1.01 8.53 1.01 7.37 10 1.01 4.48 1.01 4.49 1.01 4.49 7.35 1.01 4.47 7.14 10 0.88 3,92 9.14 0.88 3.93 8.86 20 0.88 3.92 9.11 3,74 8.07 0.84 0.84 3.74 8.04 0.84 3.73 7.82 20 3.38 9.86 9.54 0.76 3.36 0.76 30 0.76 3.37 9.83 9.01 0.67 3.00 30 0.67 3.00 8.98 0.67 2.98 8.74 2.83 10.42 0.63 2.80 10.79 40 0.63 2.81 10.75 0.64 2.25 10.39 0.51 2.25 10.35 0.50 2.23 10.08 40 0.51

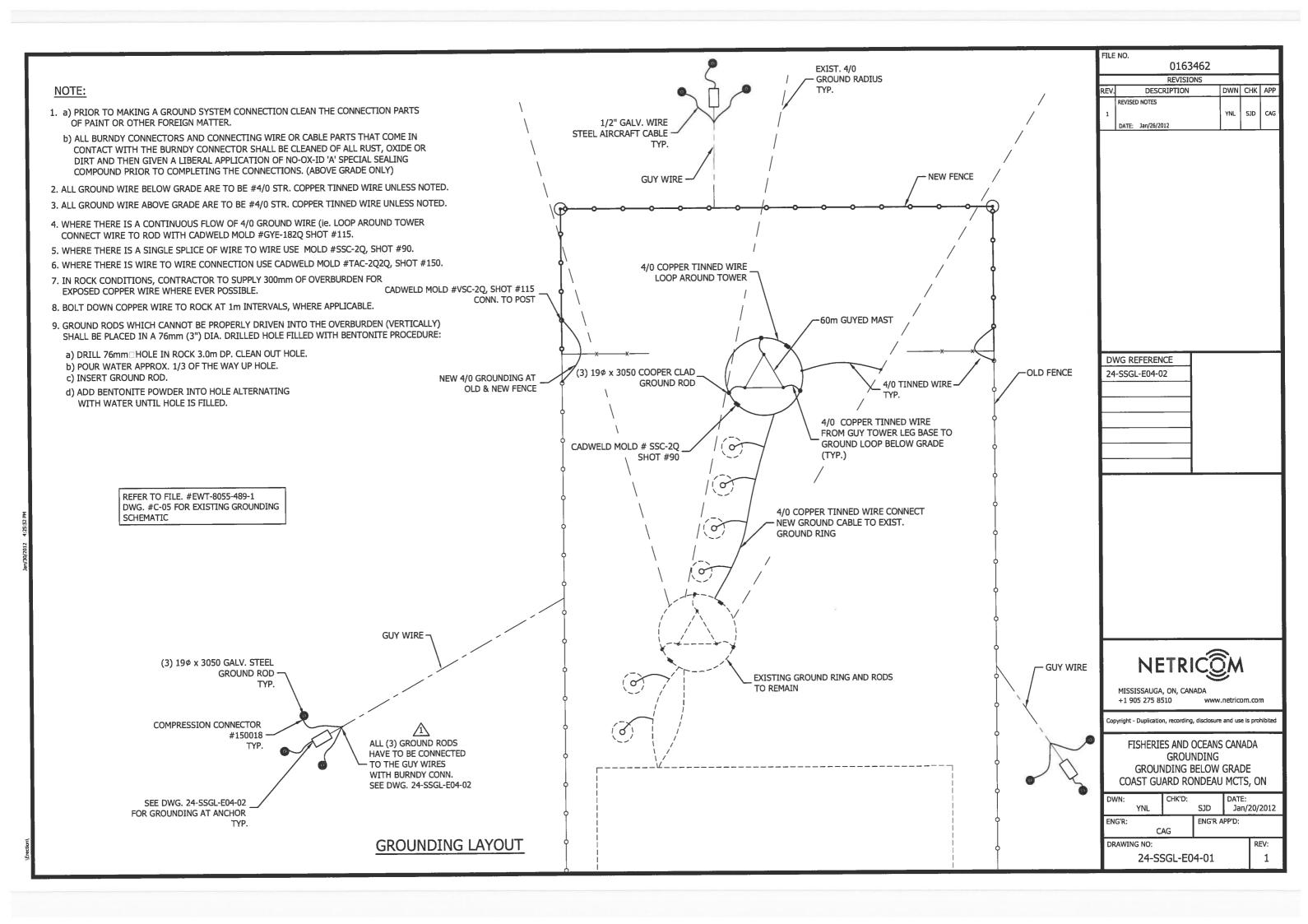
FILE NO. 0163462 REVISIONS DESCRIPTION DWN CHK APP DWG REFERENCE PROFESSION C. A. GALVEZ MISSISSAUGA, ON, CANADA +1 905 275 8510 www.netricom.com Copyright - Duplication, recording, disclosure and use is prohibited FISHERIES AND OCEANS CANADA **GUY TENSION CHART** COAST GUARD RONDEAU MCTS, ON SJD Jan/09/2012 ENG'R APP'D: ENG'R: CAG REV: DRAWING NO: 24-SSGL-E03-01 0

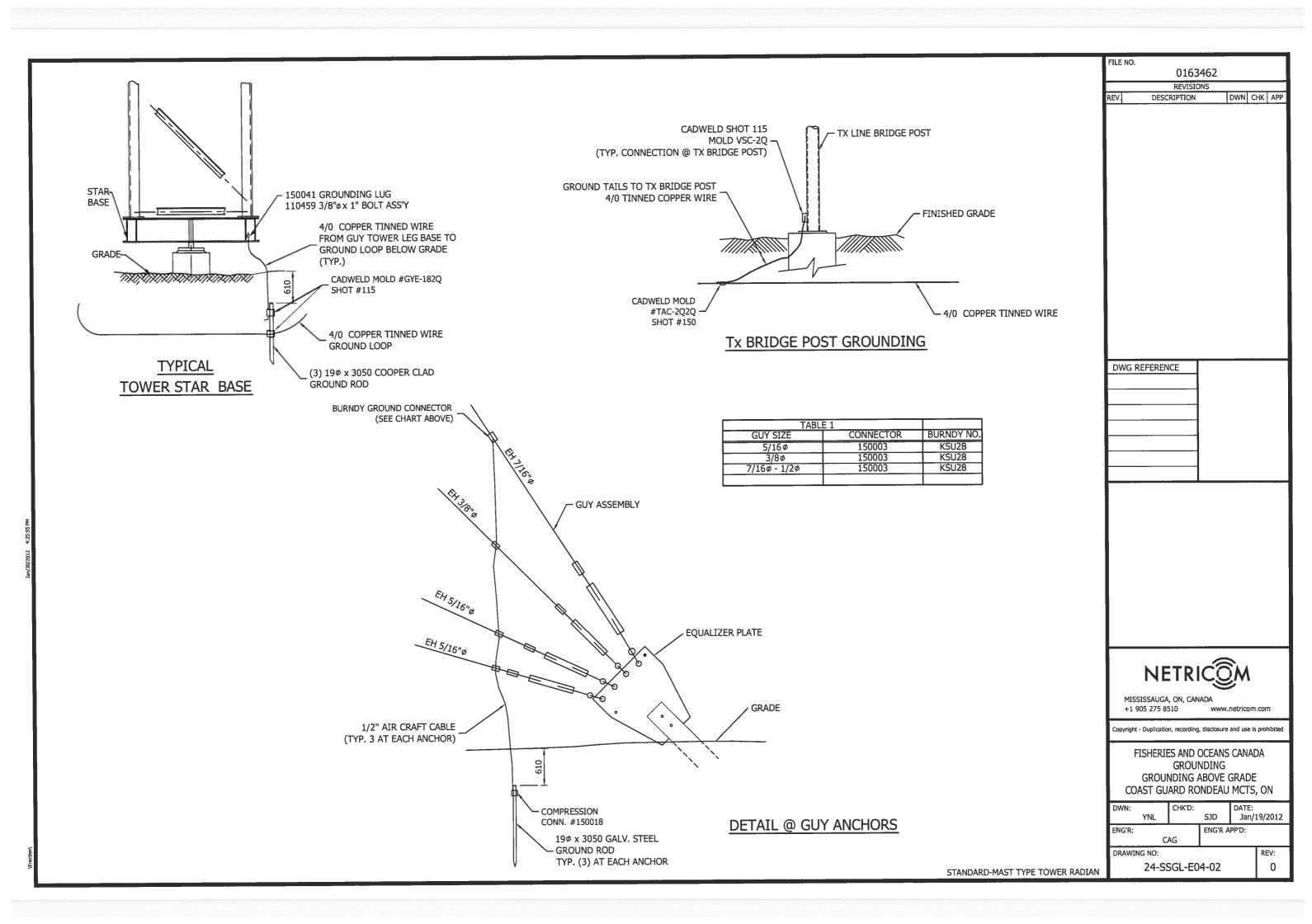
STANDARD INITIAL TENSIONS ARE AT 10 C TOWER BASE ELEVATION = 0.00 Dimensions are in (METERS) unless specified otherwise. GUY HEIGHT GUY DIAMETER (in.) GUY DATA: GUY HEIGHT GUY DIAMETER (in.) GUY DATA: 0.4375 59.656 0.3750 44.656 ANCHOR NAME 2A 3A 1A 2A 3A ANCHOR NAME 1A 280.00 160.00 ANCHOR AZIMUTH 40.00 160.00 280.00 ANCHOR AZIMUTH 40.00 41.00 42.21 RADIUS 42.09 42.21 **RADIUS** 42.09 41.00 -0.41 -1.41 -0.41 -1.41 ELEVATION -1.31 **ELEVATION** -1.31 **GUY TENSION** GUY TENSION TIME FOR **GUY TENSION** TIME FOR TIME FOR **GUY TENSION** TIME FOR **GUY TENSION** TIME FOR TEMP. TIME FOR **GUY TENSION** TEMP. 10 PULSES 10 PULSES 10 PULSES 10 PULSES 10 PULSES 10 PULSES (SEC.) (SEC.) (C) (KIPS) (KN) (SEC.) (KIPS) (KN) (SEC.) (KIPS) (KN) (KN) (SEC.) (KIPS) (KN) (SEC.) (KIPS) (KIPS) (KN) -40 2.63 11.71 10.31 2.62 11.66 10.14 2.63 11.71 10.33 8.03 2.08 9.25 8.22 9.20 8.20 2.07 -40 2.08 9.24 -30 2.52 11.21 10.54 2.52 11.19 10.35 2.52 11.21 10.56 1.97 8.77 8.44 8.24 1.96 8.74 -30 1.97 8.76 8.42 -20 2.41 10.72 10.77 2.41 10.72 10.57 2.41 10.71 10.80 8.29 8.68 8.27 8.47 1.86 -20 1.86 8.28 8.66 1.86 2.30 10.22 11.03 2.30 10.25 10.81 2.30 10.22 11.05 7.80 8.94 -10 1.75 7.80 8.72 -10 1.75 7.80 8.92 1.75 9.73 11.30 2.20 9.77 11.07 2.18 9.72 11.33 00 2.19 7.32 9.22 8.99 1.65 00 1.65 7.32 9.20 1.65 7.34 2.07 11.59 2.09 9.30 11.34 2.07 9.22 11.62 10 9.23 6.84 9.54 6.87 9.28 1.54 10 1.54 6.84 9.52 1.54 1.98 8.83 11.63 1.96 8.72 11.94 20 1.96 8.73 11.91 9.89 1.43 6.36 20 1.43 6.36 9.86 1.44 6.40 9.61 1.88 8.35 11.95 1.85 8.22 12.29 30 1.85 8.24 12.26 5.88 10.28 1.32 30 1.32 5.88 10.25 1.33 5.94 9.98 1.77 7.88 12.30 1.74 7.73 12.67 40 1.74 7.74 12.63 10.72 5.39 40 1.21 5.40 10.69 1.23 5.47 10.39 1.21 PULSES & TENSIONS AT + 10.0 % OF DESIGN VALUES PULSES & TENSIONS AT + 10.0 % OF DESIGN VALUES ** MAXIMUM ALLOWABLE ** ** MAXIMUM ALLOWABLE ** 9.93 2.83 12.59 9.77 2.84 12.63 9.95 -40 2.84 12.63 -40 2.23 9.93 7.92 2.22 9.89 7.75 2.23 9.94 7.93 2.73 12.13 10.13 2.73 12.12 9.95 2.73 12.13 10.15 -30 -30 2.12 9.45 8.11 2.12 9.42 7.94 2.13 9.45 8.13 2.62 11.65 10.15 2.62 11.63 10.37 -20 2.62 10.34 11.64 -20 2.02 8.97 8.33 2.01 8.96 8.14 2.02 8.97 8.34 11.18 10.36 2.50 11.14 10.59 2.51 10.57 2.51 1.91 8.49 8.57 -10 11.14 8.56 1.91 8.49 8.36 -10 1.91 8.49 10.70 10.58 2.39 10.64 10.83 1.80 8.01 8.83 00 2.39 10.65 10.81 2.41 8.81 1.80 8.02 8.60 00 1.80 8.00 2.28 10.14 11.09 2.28 11.06 2.30 10.23 10.82 1.69 7.52 9.10 10 10.15 9.08 1.70 7.56 8.86 10 1.69 7.52 9.76 11.07 2.17 9.64 11.37 2.19 7.04 9.40 20 2.17 9,66 11.34 7.09 9.14 1.58 20 1.58 7.04 9.38 1.59 9.15 11.67 30 9.28 11.35 2.06 1.47 6.56 9.74 2.06 9.16 11.63 2.09 1.49 6.62 9.45 30 1.48 6.56 9.71 1.94 8.65 11.99 1.98 8.81 11.64 6.08 10.11 40 1.95 8.67 11.96 9.80 1.37 40 1.37 6.08 10.08 1.38 6.16 PULSES & TENSIONS AT - 10.0 % OF DESIGN VALUES PULSES & TENSIONS AT - 10.0 % OF DESIGN VALUES ** MINIMUM ALLOWABLE ** ** MINIMUM ALLOWABLE ** 2.42 10.79 -40 2.42 10.78 10.74 2.41 10.73 10.57 10.76 1.93 8.57 8.54 8.35 -40 1.92 8.56 8.52 1.91 8.51 -30 2.31 10.29 10.99 2.31 10.26 10.80 2.31 10.29 11.01 8.58 1.82 8.08 8.78 8.05 -30 1.82 8.08 8.77 1.81 -20 2.20 9.79 11.26 2.20 9.79 11.06 2.20 9.79 11.28 1.71 7.60 9.06 8.84 -20 1.71 7.60 9.04 1.70 7.58 2.09 9.30 11.55 2.09 9.32 11.33 2.09 9.29 11.58 9.35 -10 1.60 7.12 -10 1.60 7.12 9.33 1.60 7.12 9.12 1.98 8.80 11.87 1.99 8.84 11.62 1.98 8.80 11.89 9.68 00 1.49 6.64 00 1.49 6.64 9.66 1.49 6.65 9.43 1.87 1.88 8.37 11.94 1.87 8.30 12.24 10 8.31 12.21 10.05 1.38 10.02 1.39 6.18 9.78 1.38 6.16 10 6.16 7.90 12.29 1.75 7.80 12.61 20 1.76 7.81 12.58 1.78 20 1.28 5.68 10.43 1.29 5.72 10.16 1.28 5.67 10.46 1.67 7.42 12.66 1.64 7.30 13.03 30 1.64 7.32 12.99 30 1.17 5.19 10.90 1.18 5.25 10.60 1.17 5.19 10.93 1.56 6.95 13.08 1.53 6.81 13.48 40 1.53 6.82 13.44 40 1.06 11.43 1.08 4.78 11.09 1.06 4.71 11.46

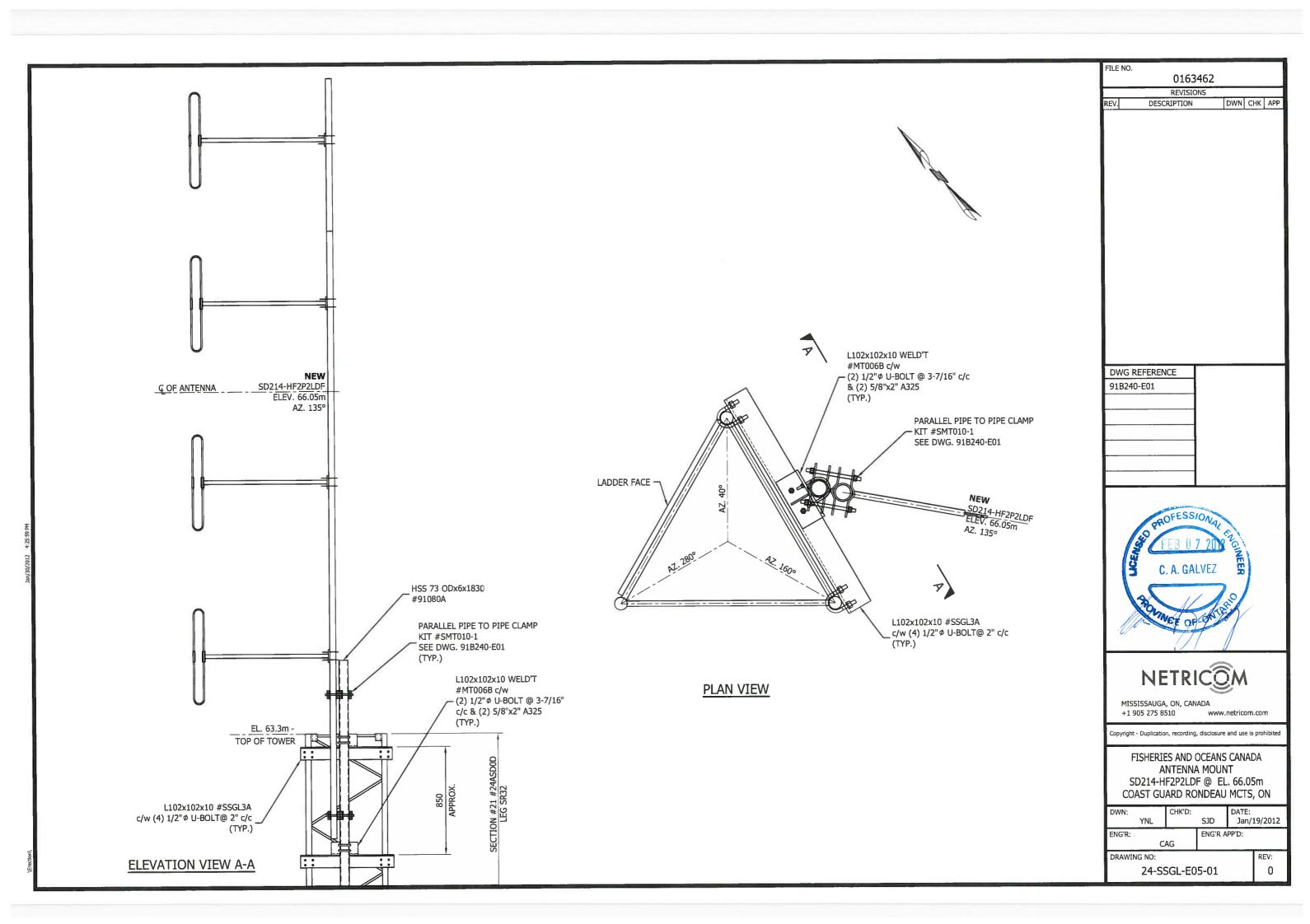
FILE NO. 0163462 REVISIONS DESCRIPTION DWN CHK APP DWG REFERENCE OROFESSION . C. A. GALVEZ MISSISSAUGA, ON, CANADA +1 905 275 8510 www.netricom.com Copyright - Duplication, recording, disclosure and use is prohibited FISHERIES AND OCEANS CANADA **GUY TENSION CHART** COAST GUARD RONDEAU MCTS, ON DATE: CHK'D SJD Jan/09/2012 ENG'R: ENG'R APP'D: CAG DRAWING NO: REV:

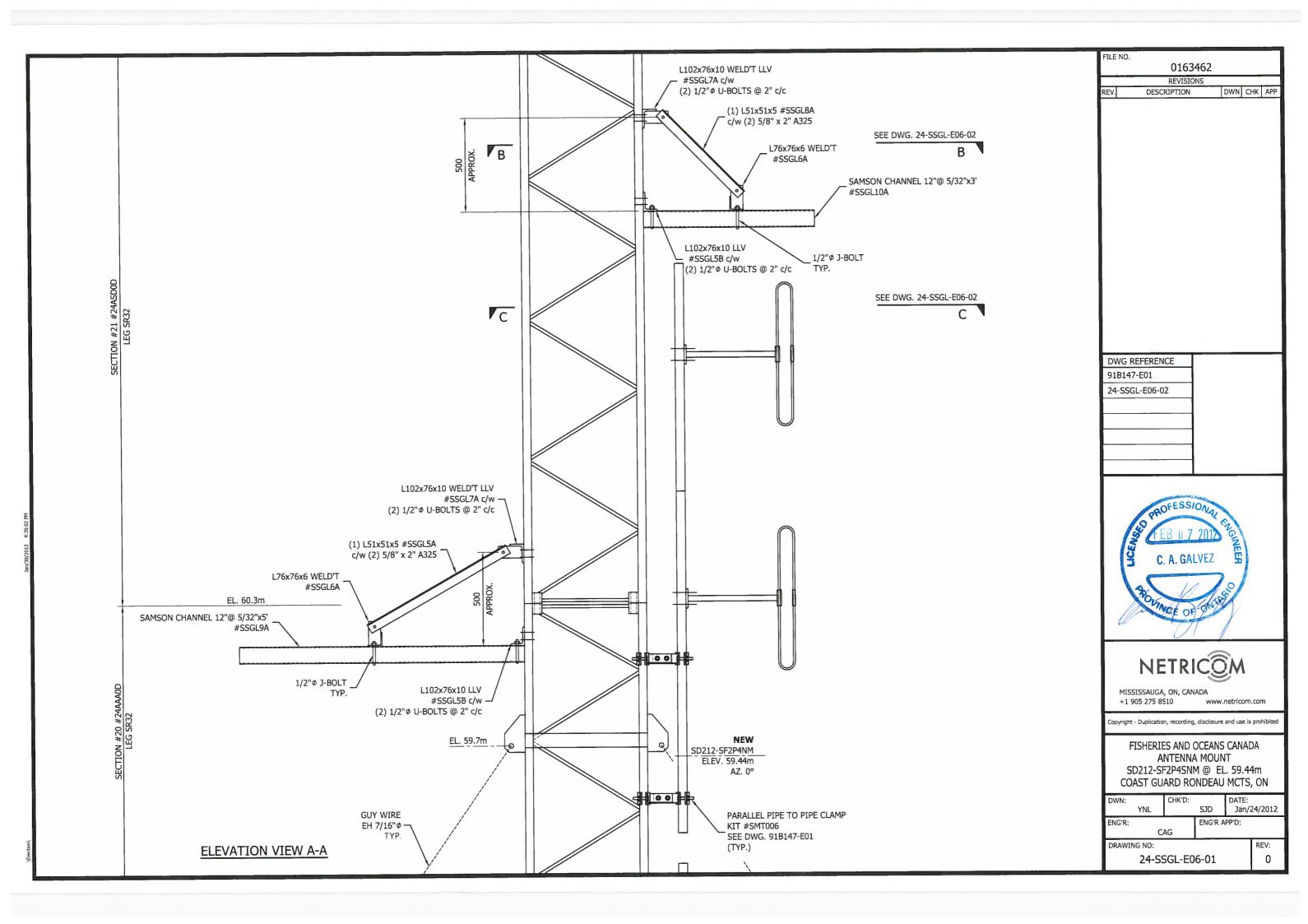
24-SSGL-E03-02

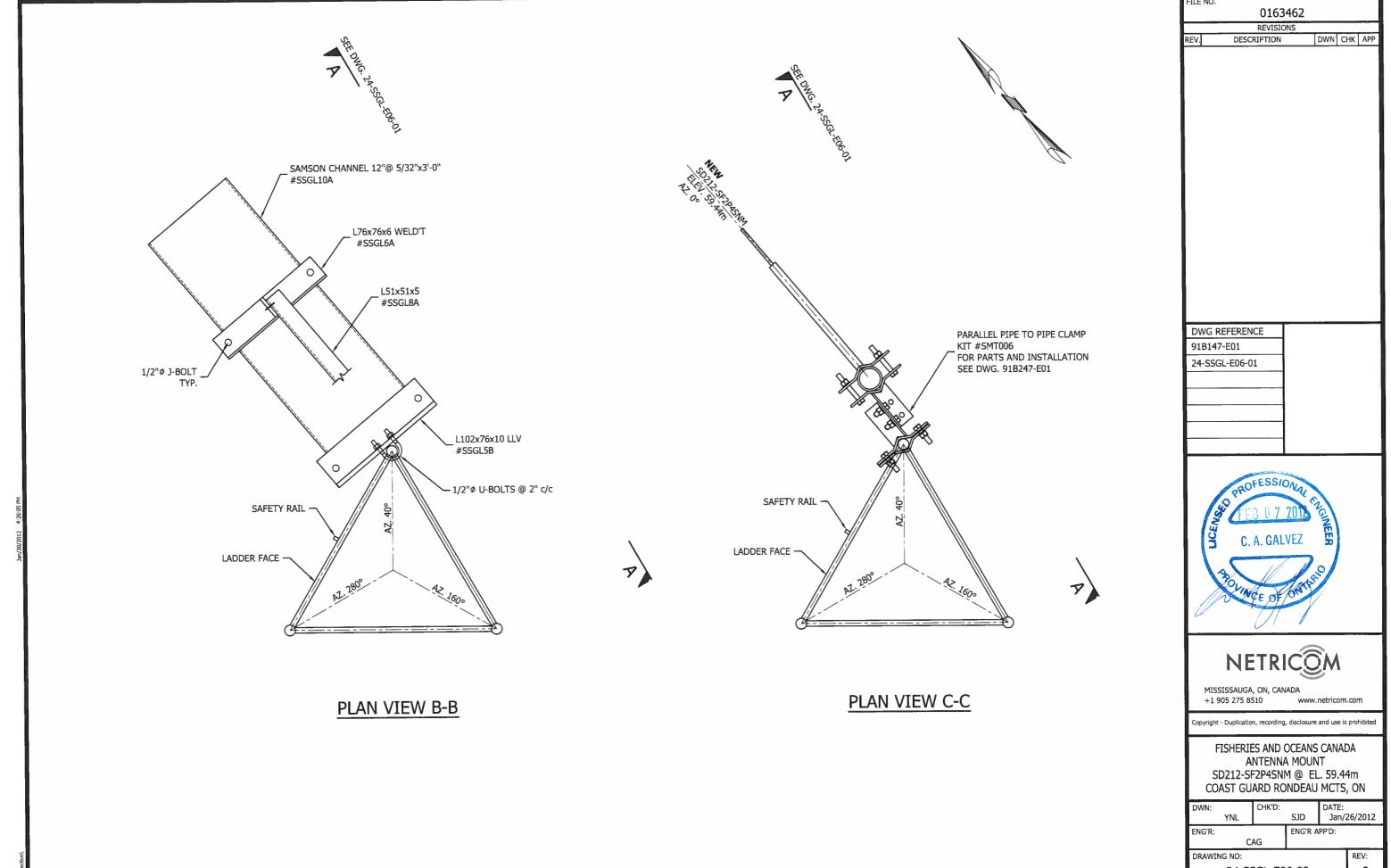
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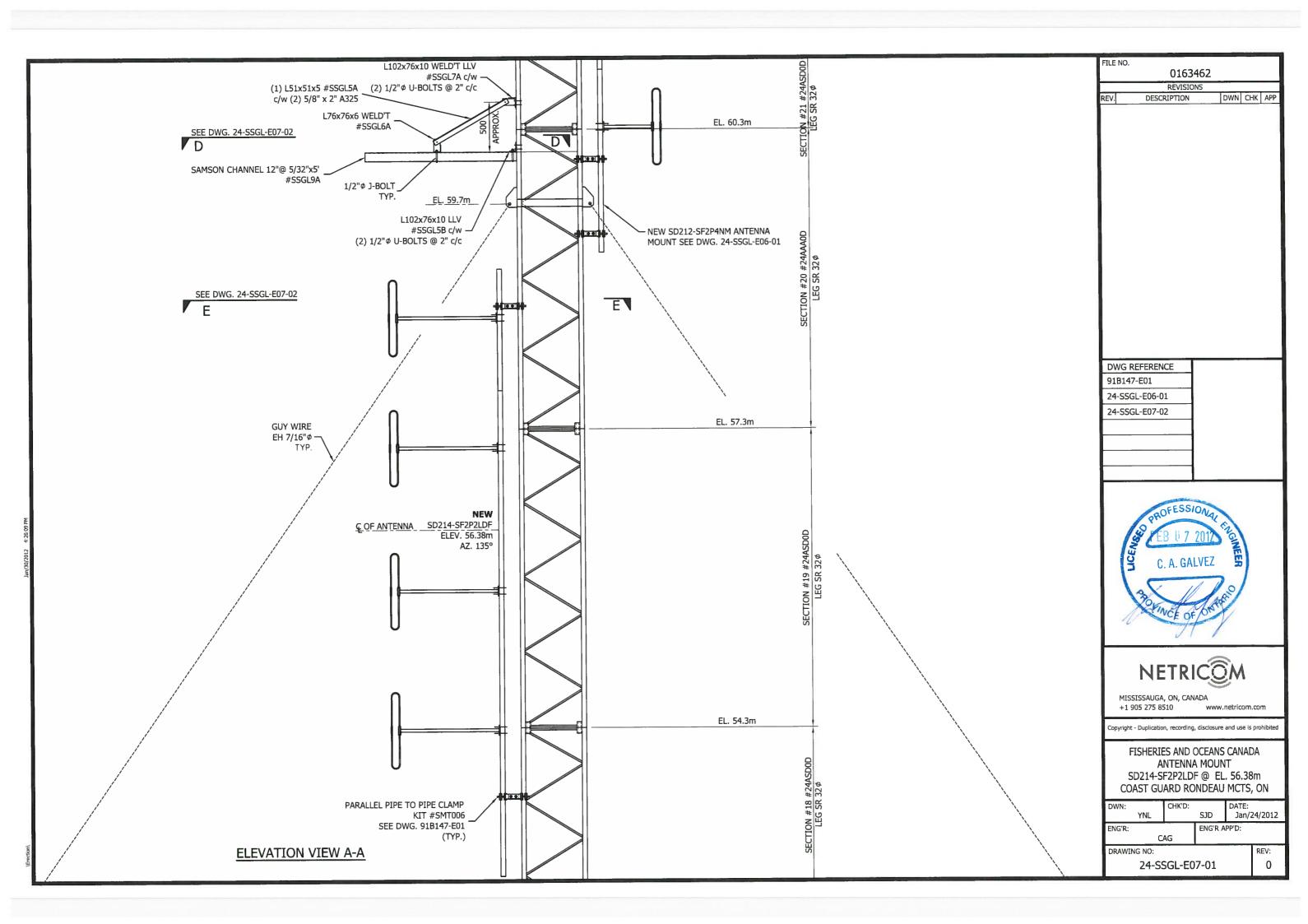


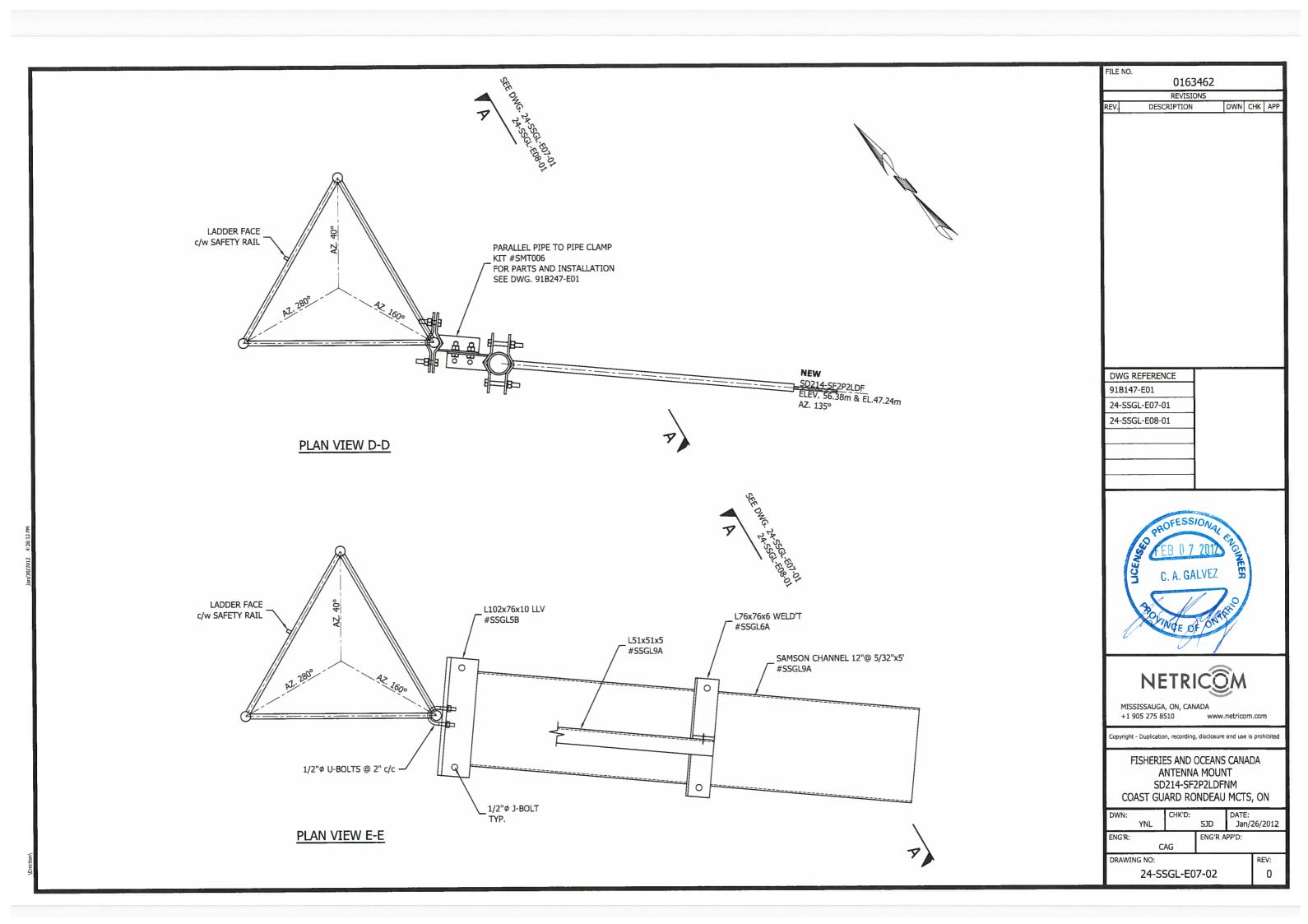


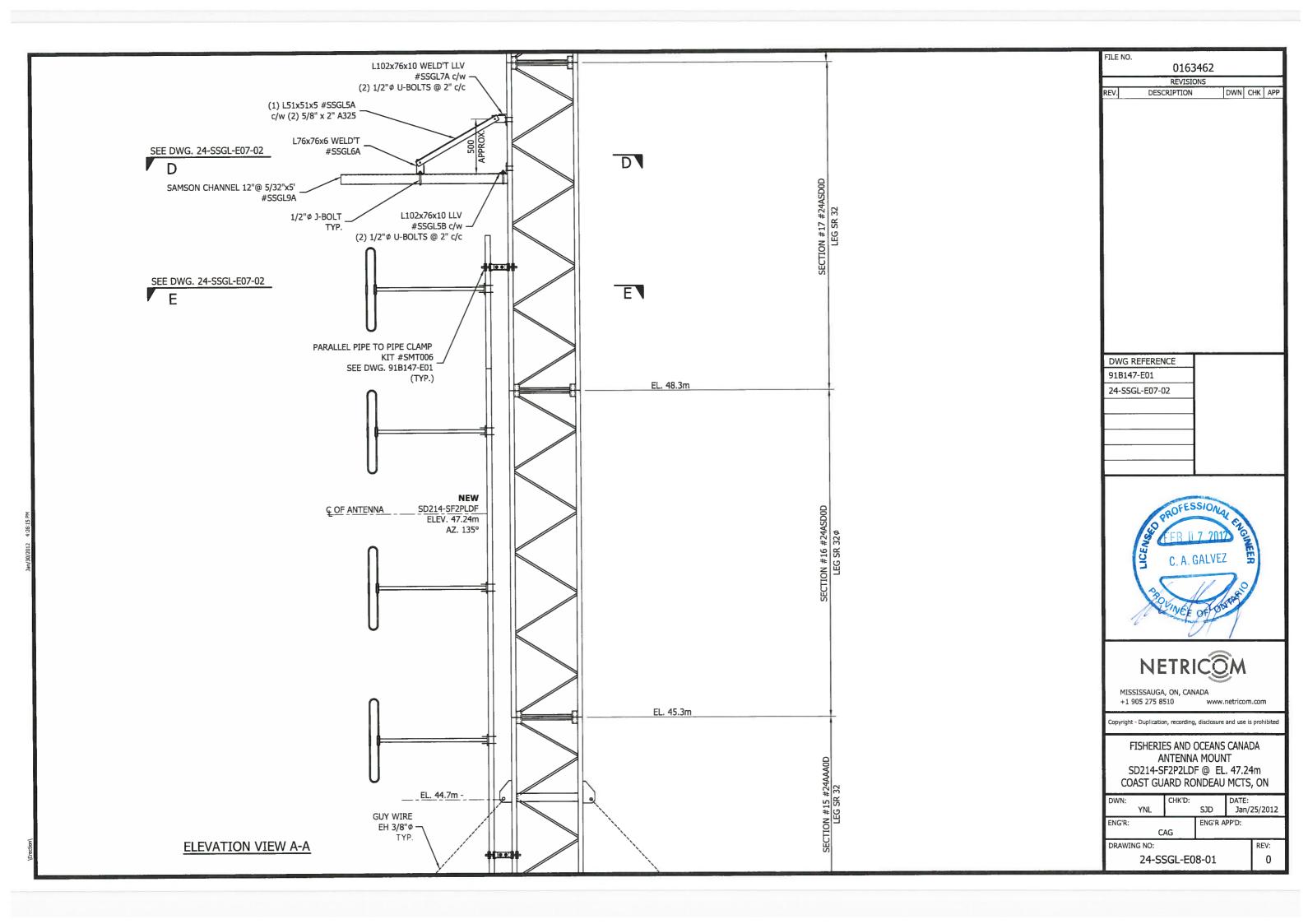


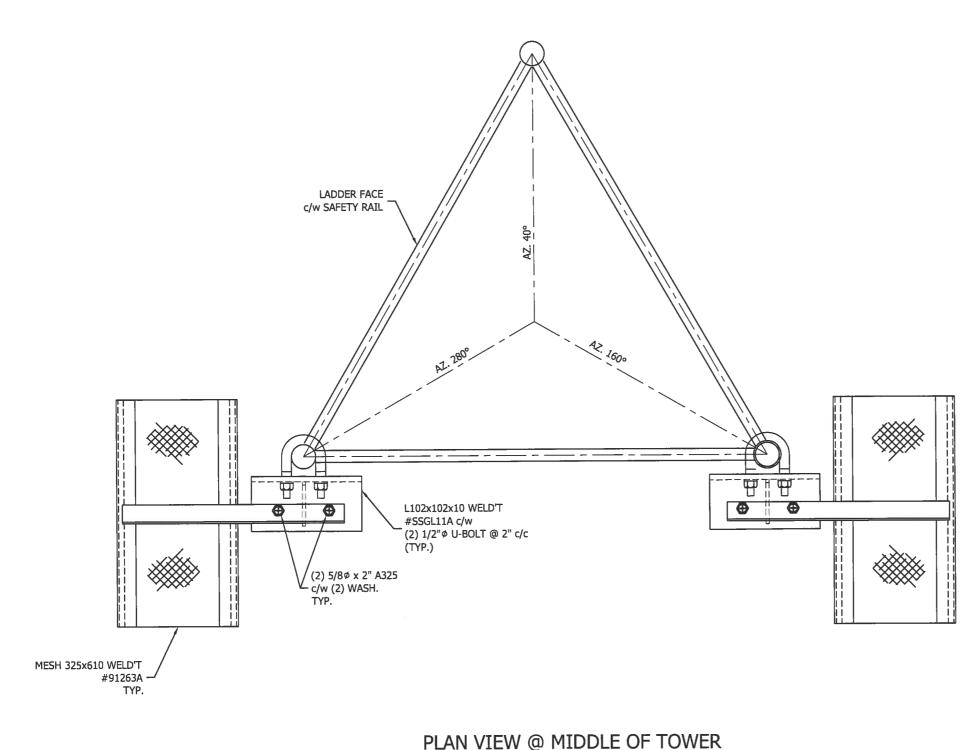
FILE NO.

24-SSGL-E06-02



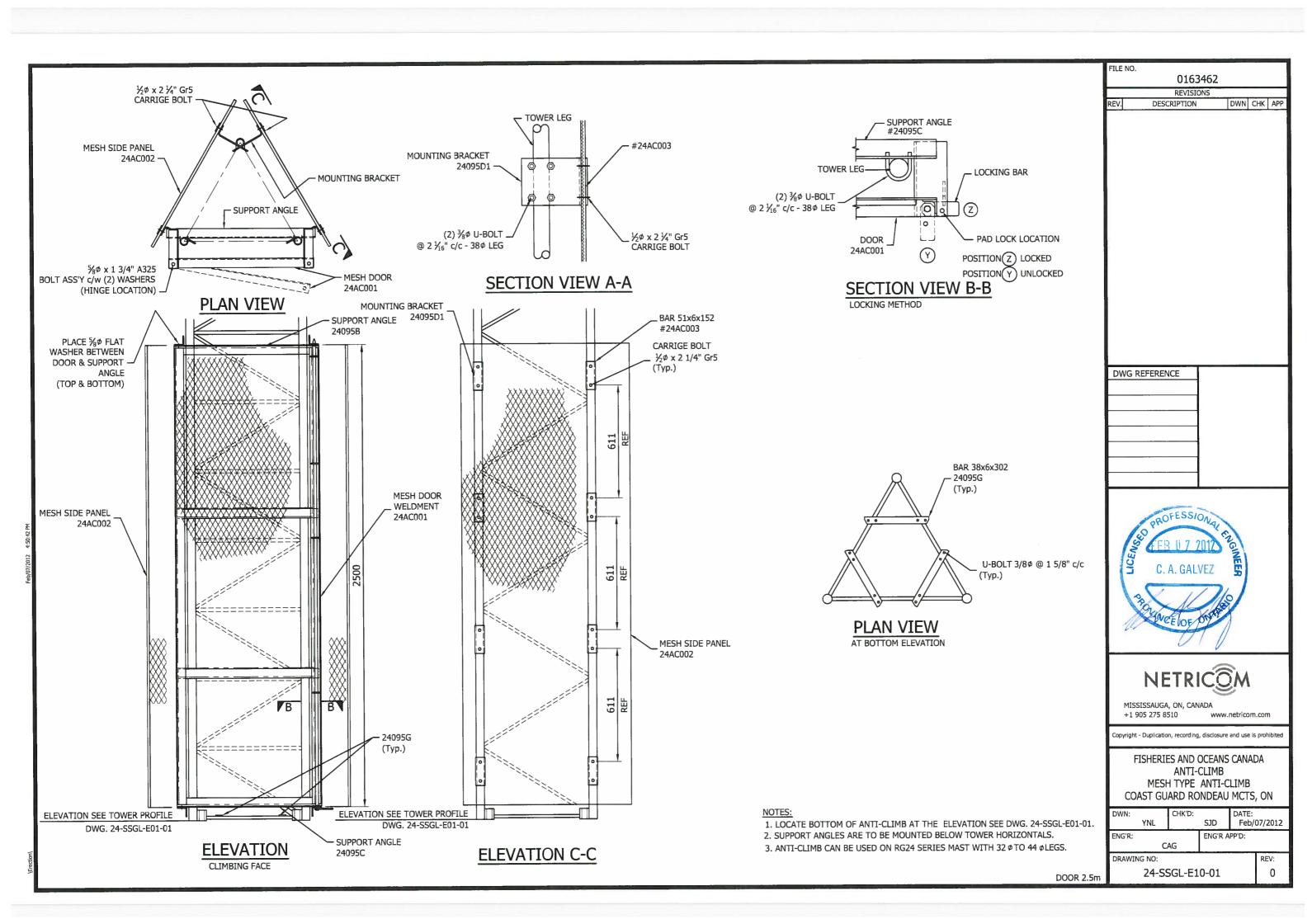


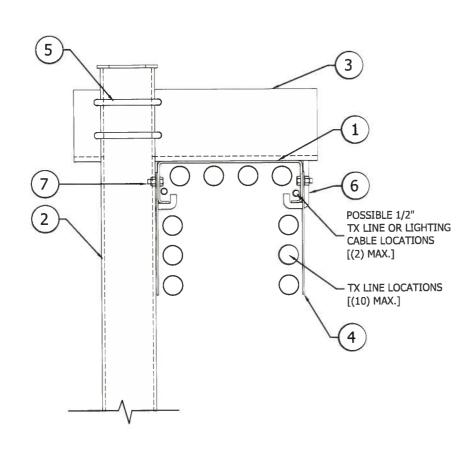




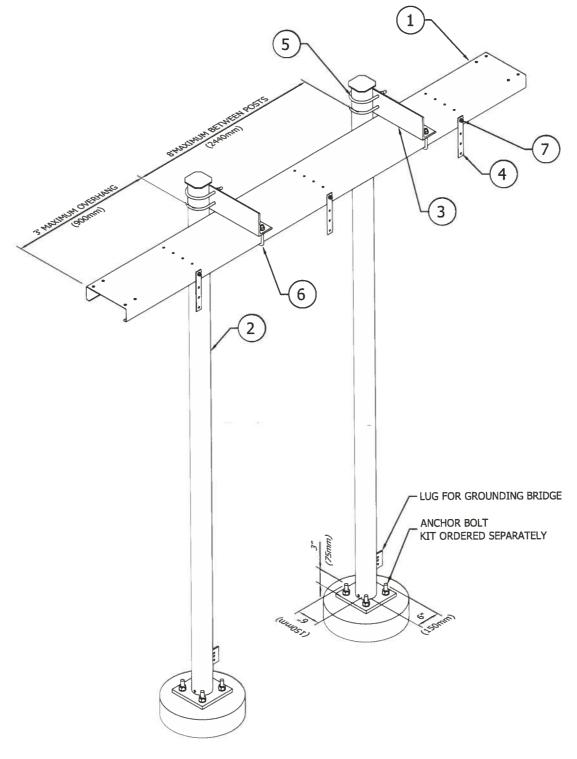
PLAN VIEW @ MIDDLE OF TOWER ABOVE MID DOL. LIGHTS

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DRAWII		AG	<u> </u>		T R	EV:
		SGL-E0	9-01			0





END VIEW



WHEN DETERMINING END OVERHANG, CONSIDER LOCATION OF EXISTING TOWER AND BUILDING FOUNDATION.

0163462	<u> </u>		
REVISIONS			
DESCRIPTION	DWN	CHK	AF
	REVISIONS		REVISIONS

DWG REFERENCE	





MISSISSAUGA, ON, CANADA

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FISHERIES AND OCEANS CANADA TX LINE BRIDGE 10' SINGLE w POST & BASE PLATE COAST GUARD RONDEAU MCTS, ON

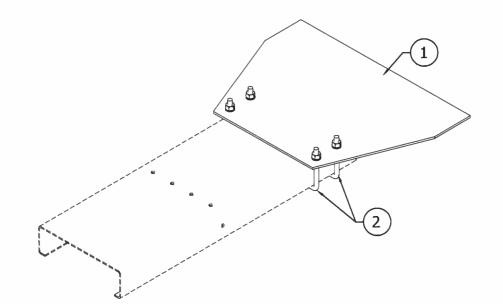
	DWN: HHR	CHK'D:	ЈМС	DATE: Jul/0	5/2000
	ENG'R:		ENG'R A	PP'D:	
	R	KA			
-	DRAWING NO:				REV:

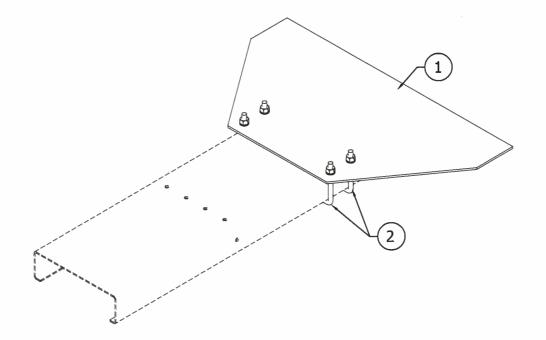
TB001-E01

0

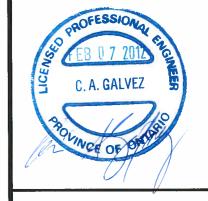
BILL OF MATERIAL KIT #STB006-C				
ITEM	QTY.	PART NO.	DESCRIPTION	Wt./lb
1	1	TB006A1	PL. 2'x1/4" (460x6x630mm)	27#
2	4	111041	1/2" SQUARE J-BOLTS	

BILL OF MATERIAL KIT #STB006-D				
ITEM	QTY.	PART NO.	DESCRIPTION	Wt./lb
1	1	TB006B1	PL. 3'x1/4" (460x6x840mm)	34#
2	4	111041	1/2"□SQUARE J-BOLTS	





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www.netricom.co

REV:

2

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FISHERIES AND OCEANS CANADA TX LINE BRIDGE ACCESSORIES END PLATE 2' & 3' COAST GUARD RONDEAU MCTS, ON

 DWN:
 HHR
 CHK'D:
 DATE:

 JMC
 Jul/05/2000

 ENG'R:
 ENG'R APP'D:

 RKA
 RKA

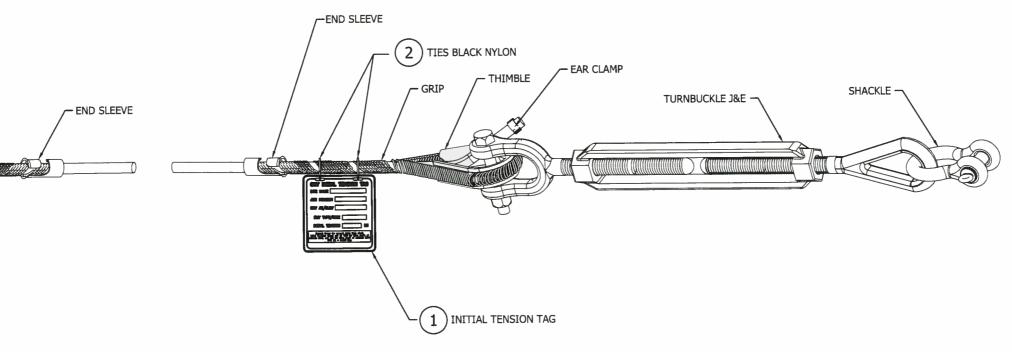
DRAWING NO:

TB006-E03

Erection/

BILL OF MATERIAL KIT #KMCGY-GUYTAG					
ITEM	QTY.	PART NO.	DESCRIPTION		
1	3	GY008B	GUY WIRE INITIAL TENSION TAG		
2	7	100109	TIES BLACK NYLON		
		<u></u>			

\neg	FILE	NO.					
	l	0163462					
		REVISIONS					
	REV.	DESCRIPTION	DWN	CHK	APP		



EAR CLAMP

-SHACKLE

- THIMBLE

DWG REFERENCE





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FISHERIES AND OCEANS CANADA GUY INITIAL TENSION TAG ASSEMBLY COAST GUARD RONDEAU MCTS, ON

 DWN:
 CHK'D:
 DATE:

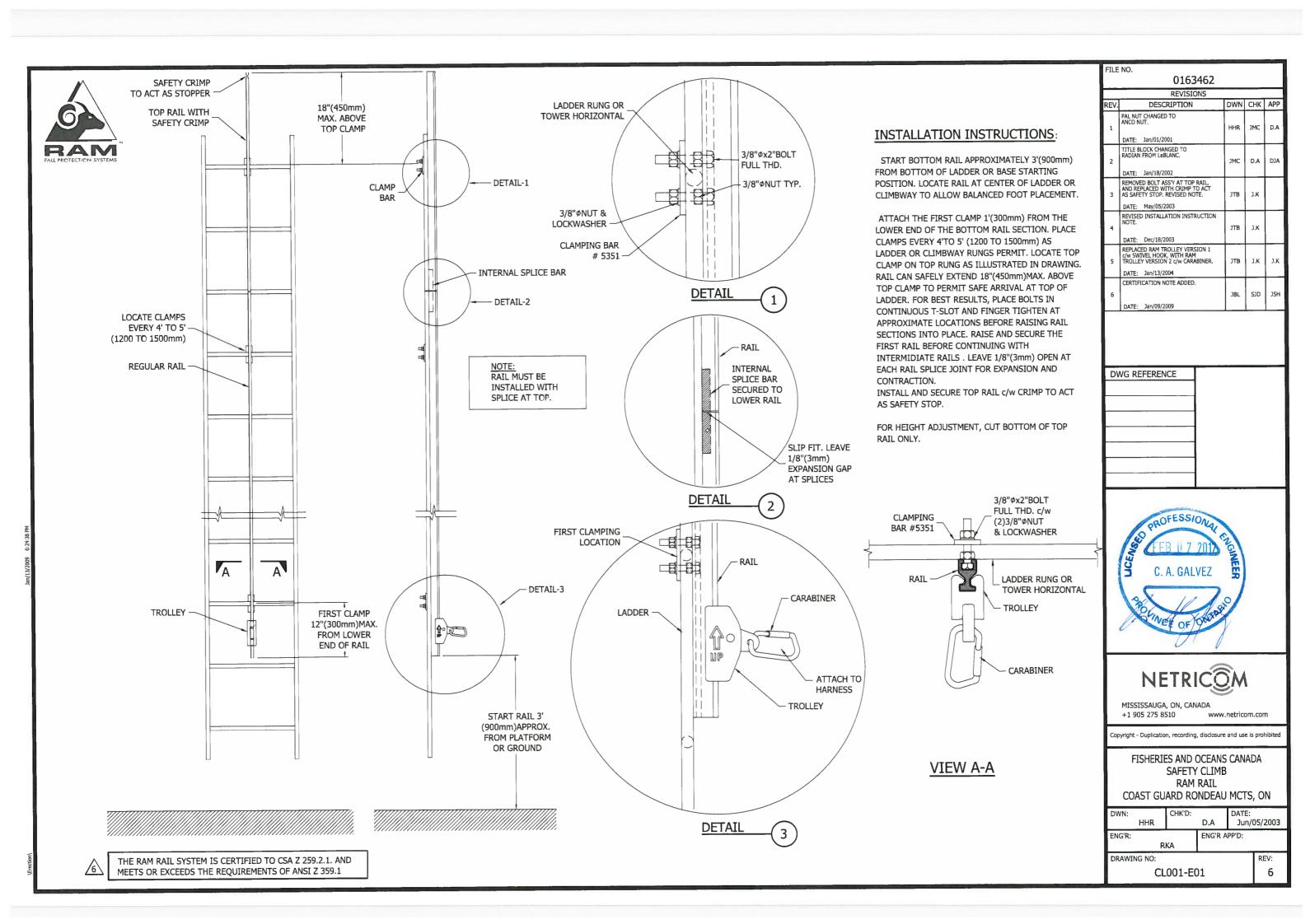
 O.R
 JWF
 Mar/02/2004

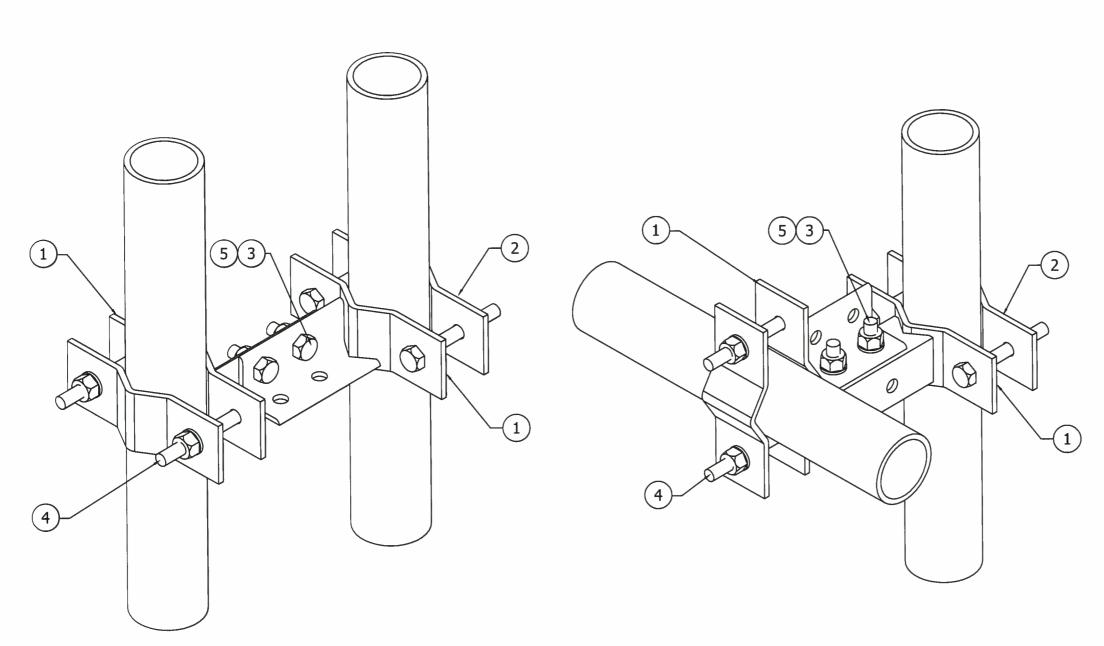
 ENG'R:
 ENG'R APP'D:

DRAWING NO:

GY009-E01

REV:





PARALLEL ARRANGEMENT

PERPENDICULAR ARRANGEMENT

BILL OF MATERIAL KIT#SMT006					
ITEM	QTY.	PART NO.	DESCRIPTION	Wt./lb	
1	2	91147A-1	L 2"x2"x1/4" WELD'T	4#	
2	2	91239A	BENT BAR 1 1/2"x1/4"	2#	
3	2	110002	1/2"¢x1 1/2" A325	1#	
4	4	110946	1/2"¢x4"FULL THD.BOLTS	1#	
5	2	110203	1/2" LOCK WASHER	0#	
			TOTAL	9#	

FILE	NO.				
	0163462				
REVISIONS					
REV.	DESCRIPTION	DWN	CHK	APP	
1	DWG NO. CHANGED WAS 91A147-E01. KIT CHART ADDED. BOLT CHART REMOVED. ISOMETRIC VIEW ADDED. FULL THD. BOLTS. DATE: Jun/08/2000	HHR	JMC	T.A	
2	PART 110819 REPLACED BY 110002 AND 110203 DATE: Jun/13/2003	MGC	J.K		

DWG REFERENCE	
91B147-M01	





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FISHERIES AND OCEANS CANADA PIPE CLAMP FOR 1 1/2"OD TO 2 7/8"OD (38 TO 73mm) COAST GUARD RONDEAU MCTS, ON

DATE: May/27/1994 KPB ENG'R: ENG'R APP'D: DRAWING NO: REV:

2

91B147-E01

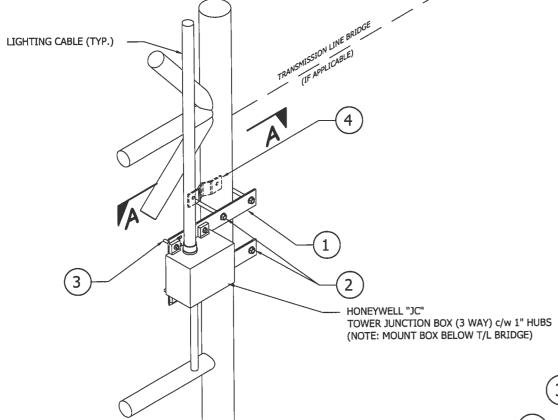
K:	IT # SLT	002-1 1 1/4	4" - 3"□RND 2 1/2" - 3" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	2	LT004C	BAR 2 1/2" x 1/4" [64x6 mm]	4#
2	4	110946	1/2"□x 4" FULLY THR'D BOLT	1#
3	4	110364	1/4"□x 1 1/2" BOLT ASS'Y GR5	1#
4	2	TX005F	BENT BAR 2" x 1/4" [51 x 6 mm]	2#
			TOTAL	8#

K	IT # SLT	002-2 3 1	/2" - 6"□RND 3 1/2" - 6" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	2	LT004D	BAR 2 1/2" x 1/4" [64x6 mm]	6#
2	4	111073	1/2"□x 7" FULLY THR'D BOLT	1#
3	4	110364	1/4"□x 1 1/2" BOLT ASS'Y GR5	1#
4	2	TX005G	BENT BAR 2" x 1/4" [51 x 6 mm]	2#
			TOTAL	10#

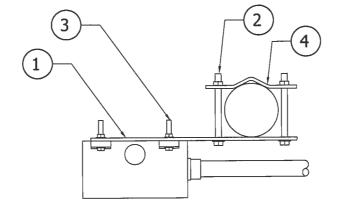
K	IT # SLT	002-3 6 1	/8" - 8"□RND 8" 60° V		
ITEM	QTY.	PART NO.	DESCRIPTION		WT./lb
1	2	LT004D	BAR 2 1/2" x 1/4" [64x6 mm]		6#
2	4	111001	1/2"□x 9" FULLY THR'D BOLT		1#
3	4	110364	1/4"□x 1 1/2" BOLT ASS'Y GR5		1#
4	2	TX005H	BENT BAR 2" x 1/4" [51 x 6 mm]		4#
				TOTAL	12#

REVISIONS DESCRIPTION DWN CHK APP

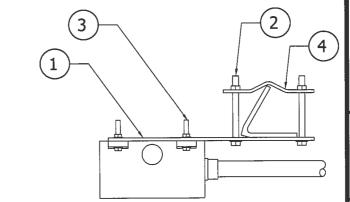
0163462



T.J.B. INSTALLATION DETAIL



SECTION A-A ROUND LEG



SECTION A-A

60° ANGLE LEG

NOTE:

WIRING DIAGRAM AND FIXTURE LOCATIONS ARE INDICATED ON HONEYWELL DRAWINGS SUPPLIED WITH LIGHTING KITS (IF APPLICABLE).

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DWG REFERENCE

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FISHERIES AND OCEANS CANADA LIGHTING "JC" TOWER JUNCTION BOX COAST GUARD RONDEAU MCTS, ON

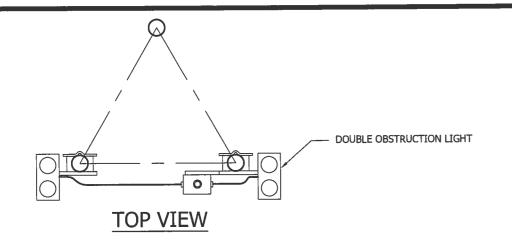
DATE: Mar/13/2002 ENG'R APP'D: ENG'R:

DRAWING NO:

LT004-E02

REV:

0



LIGHTING CABLE (TYP.)

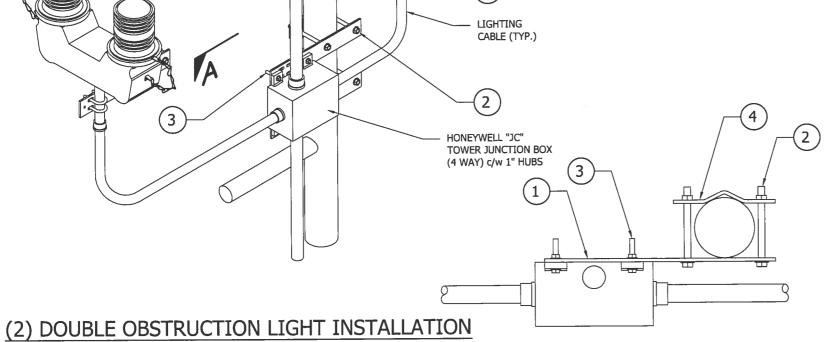
K	IT # SLT	003-1 1 1	L/4" - 3"□RND 2 1/2" - 3" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	4	LT004C	BAR 2 1/2" x 1/4" [64x6 mm]	8#
2	8	110946	1/2"□x 4" FULLY THR'D BOLT	1#
3	4	110364	1/4"□x 1 1/2" GR.5 H.D.G BOLT ASS'Y	1#
4	4	TX005F	BENT BAR 2" x 1/4" [51 x 6 mm]	4#
5	4	110249	3/8"□U BOLT ASS'Y @ 2 1/16" c/c	1#
			TOTAL	15#

7		FILE	NO.	0	163462			
4	Н			RE	VISIONS			
	Ц	REV.		DESCRIP'	TION	DWN	CHK	APF
٦		П						

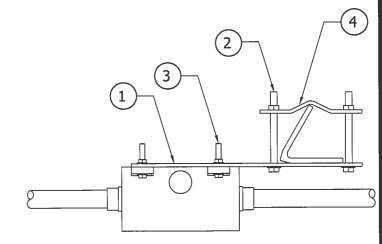
ITEM	QTY.	PART NO.	DESCRIPTION	WT./Ib
1	4	LT004D	BAR 2 1/2" x 1/4" [64x6 mm]	12#
2	8	111073	1/2"□x 7" FULLY THR'D BOLT	1#
3	4	110364	1/4"□x 1 1/2" GR.5 H.D.G BOLT ASS'Y	1#
4	4	TX005G	BENT BAR 2" x 1/4" [51 x 6 mm]	4#
5	4	110249	3/8"□U BOLT ASS'Y @ 2 1/16" c/c	1#
			TOTAL	19#

K.	T # SLT	003-3 6	1/8" - 8"□RND 8" 60° V		
ITEM	QTY.	PART NO.	DESCRIPTION		WT./lb
1	4	LT004D	BAR 2 1/2" x 1/4" [64x6 mm]		12#
2	8	111001	1/2"□x 9" FULLY THR'D BOLT		1#
3	4	110364	1/4"□x 1 1/2" GR.5 H.D.G BOLT ASS'Y		1#
4	4	TX005H	BENT BAR 2" x 1/4" [51 x 6 mm]		8#
5	4	110249	3/8"□U BOLT ASS'Y @ 2 1/16" c/c		1#
				TOTAL	23#

OWG REFERENCE	
<u> </u>	



DOUBLE OBSTRUCTION LIGHT



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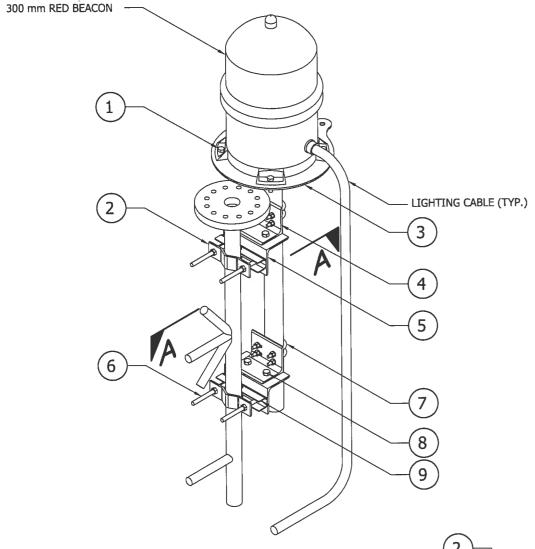
FISHERIES AND OCEANS CANADA LIGHTING (2) DOUBLE OBSTRUCTION LIGHT COAST GUARD RONDEAU MCTS, ON

DWN:	JTB	CHK'D:	JMC	DATE: Mar/	13/2002
ENG'R:		.A	ENG'R A		.K
DRAWIN		.A	l		REV:
LT004-E03					0

NOTE:

WIRING DIAGRAM AND FIXTURE LOCATIONS ARE INDICATED ON HONEYWELL DRAWINGS SUPPLIED WITH LIGHTING KITS (IF APPLICABLE). **SECTION A-A** ROUND LEG

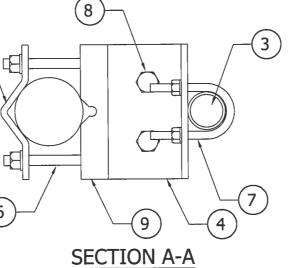
SECTION A-A 60° ANGLE LEG



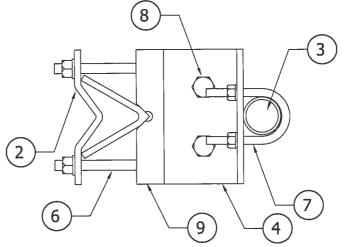
	KIT # S	LT004-1	1 1/4" - 3"□RND 2 1/2" - 3 1/2" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	4	110011	5/8"□x 2" BOLT ASS'Y A325	1#
2	2	TX005F	BENT BAR 2" x 1/4" [51 x 6 mm]	2#
3	1	LT004H1	HSS 2 7/8" OD x 3'-4" WELD'T (73 OD x 1000mm)	31#
4	2	91064A	L 3" x 3" x 1/4" (L 76 x 76 x 6mm)	4#
5	2	LT004G	L 4" x 4" x 1/4" (L 102 x 102 x 6mm)	8#
6	4	111003	1/2" x 5 1/2" FULLY THR'D BOLT ASS'Y	1#
7	4	110252	3/8" U BOLT ASS'Y @ 2 13/16" c/c	1#
8	4	110002	1/2" x 1 1/2" BOLT ASS'Y A325	1#
9	2	LT004E	BENT PLATE 4 1/8" x 1/8" [105x3 mm]	4#
			TOTAL	53#

-	(IT # S	LT004-2	3 1/2" - 6"□RND 4" - 6" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	4	110011	5/8" x 2" BOLT ASS'Y A325	1#
2	2	TX005G	BENT BAR 2" x 1/4" [51 x 6 mm]	2#
3	1	LT004H1	HSS 2 7/8" OD x 3'-4" WELD'T (73 OD x 1000mm)	31#
4	2	91064A	L 3" x 3" x 1/4" (L 76 x 76 x 6mm)	4#
5	2	LT004J	L 4" x 4" x 1/4" (L 102 x 102 x 6mm)	12#
6	4	111001	1/2" x 9" FULLY THR'D BOLT ASS'Y	1#
7	4	110252	3/8"□U BOLT ASS'Y @ 2 13/16" c/c	1#
8	4	110002	1/2" x 1 1/2" BOLT ASS'Y A325	1#
9	2	LT004F	BENT PLATE 4 1/8" x 1/8" [105x3 mm]	6#
-+			TOTAL	59#

	KIT # S	LT004-3	6 1/8" - 8"□RND 8" 60° V	
ITEM	QTY.	PART NO.	DESCRIPTION	WT./lb
1	4	110011	5/8" x 2" BOLT ASS'Y A325	1#
2	2	TX005H	BENT BAR 2" x 1/4" [51 x 6 mm]	4#
3	1	LT004H1	HSS 2 7/8" OD x 3'-4" WELD'T (73 OD x 1000mm)	31#
4	2	91064A	L 3" x 3" x 1/4" (L 76 x 76 x 6mm)	4#
5	2	LT004J	L 4" x 4" x 1/4" (L 102 x 102 x 6mm)	12#
6	4	111002	1/2" x 10 1/2" FULLY THR'D BOLT ASS'Y	1#
7	4	110252	3/8" U BOLT ASS'Y @ 2 13/16" c/c	1#
8	4	110002	1/2" x 1 1/2" BOLT ASS'Y A325	1#
9	2	LT004F	BENT PLATE 4 1/8" x 1/8" [105x3 mm]	6#
		-	TOTAL	61#



ROUND LEG



SECTION A-A

60° ANGLE LEG

0163462
REVISIONS
EV. DESCRIPTION

DWG REFERENCE

REVISED BOM. ITEM LT004H1 WAS LT004H. JTB NNR J.K DATE: Jul/21/2003

DWN CHK APP

NETRICÔN

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FISHERIES AND OCEANS CANADA LIGHTING TOP BEACON MOUNT COAST GUARD RONDEAU MCTS, ON

DWN: JTB CHK'D: JMC Mar/19/2002

ENG'R: D.A ENG'R APP'D: J.K

DRAWING NO: REV: LT004-E04 1

BEACON INSTALLATION DETAIL

TOP OF TOWER

NOTE:

WIRING DIAGRAM AND FIXTURE LOCATIONS ARE INDICATED ON HONEYWELL DRAWINGS SUPPLIED WITH LIGHTING KITS (IF APPLICABLE).

Materials List

984020 Coast Guard Rondeau MCTS, ON

Project Number: 0163462

Coast Guard Rondeau MCTS, ON

02/07/12

YLI

16:56:13

R55MATLIS RCS0002

Customer :

Ship To:

983756

Ref.	<u>Order</u> EDDED N	Line <u>Num</u> IATERIAL	Item Number	Quantity	<u>U/M</u>	Description	Drawing Number	Weight (LBS)	Weight (KGS) ST
B01	BASE FO		N MATERIAL						
Ref.	Order	Line Num	Item Number	Quantity	U/M	Description	Drawing Number	Weight (LBS)	Weight (KGS) ST
1	94131	2.0000				BASE FOUNDATION MATERIAL			REL
2	94131	4.0000	91095-1	1	PC	25 Dia. Rod X 455 Long Gr 300W (renumbered from 5270-1)	NO DWG	4.16	1.89 REL
3	94131	6.0000	91095A	1	PC	PI 203x19x200 (300W) (renumbered from 5270)	91B095-M01	14.00	6.35 REL
B02	GUY AN	CHOR MAT	ERIAL			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
D-1	0-1-	Line	Non-Mon-A	0		December 41 and	Desired Novel	Weight	Weight
Ref. 4	Order 94131	8.0000	Item Number	Quantity	U/M	Description EARTH ANCHOR	Drawing Number	(LBS)	(KGS) ST
5	94131	12.0000	91034E	6	PC	C 100 x 8 x 4000 (300W) Earth Anchor	91B034-M01	498.00	225.89 REL
6	94131	14.0000	91034A	6	PC	L 127x89x10x350 (350W)	91B034-M01	72.00	32.66 REL
7	94131	16.0000	110191	9	РС	RING FILL .50" LG HDG (SMALL) (13mm LG) FOR 1/2 to 3/4 BOLT	A816-M01	.45	.20 REL
8	94131	18.1000	110013	6	PC	Bolt Assy 5/8x2-1/2 in A325 Ga		2.76	1.25 REL
9	94131	22.0000	110004	24	PC	Bolt Assy 1/2 X 2 in A325 Galv		5.76	2.61 REL
10	94131	24.0000	110399	24	PC	Bevel Washer 1/2 (Mall.) Galv		1.89	.86 REL
11	94131	26.0000	150068	3	PC	Grd Lug Wire To Plate (HD) Tinned (0 Str-8 Str)(1/4 Bolt)			REL
12	94131	28.0000	110364	3	PC	Bolt Assy 1/4x1-1/2 in Gr5 Gal			REL
13	94131	30.0000	190056	6	PC	Zinc Anode (102 Dia x1525) c/w 25' #12 Sol THW Lead Wire		240.00	108.86 REL
14	94131	32.0000	100109	24	PC	Ties Black Nylon			REL
15	94131	72.0000				BOLLARDS AROUND GUY ANCHO	R		REL
16	94131	74.2000	SSGL4A-O	9	PC	HSS 152 ODx6x3050 (350W) Plain Galvanized Material	24-SSGL-M04-01	1,386.00	628.68 REL
B03	TX BRID	GE FOUND	DATION MATERIA	AL				Weight	Weight
Ref.	Order	Num	Item Number	Quantity	U/M	Description	Drawing Number	(LBS)	(KGS) ST
17	94131	34.0000				TX BRIDGE FOUNDATION MATERIA	AL		REL
18	94131	37.0000	KCFNDTXBR	6	PC	Tx Bridge Foundation Anchor Bolts			REL
	02/07/12 16:56:13				1	of 12			

Line

Materials List

02/07/12

Weight

16:56:13

Weight

REL

REL

Ship To:

984020

Coast Guard Rondeau MCTS, ON

R55MATLIS RCS0002

Project Number:

0163462

Coast Guard Rondeau MCTS, ON

YLI

Customer:

983756

Fisheries and Oceans Canada

Ref.	Order	Num	Item N	umbe	er Quantity	U/M	Des	scription	Draw	ing Number	(LBS)	(KGS)	
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M	D	escrip	tion	Additional Descri	piton	Number	(LBS)	(KGS)	ST
	38.0400	110242	24	PC	Thd Rod 3/4 X 3'	Galv is	5	A307 (GRADE 2)			88.56	40.17	REL
	38.0500	110148	54	PC	HEX NUT 3/4 (10	UNC)	2H GALV	(SAME AS R-230020)	(1 LB)		2.70	1.22	REL
	38.0600	110208	30	PC	Hardened Washe	r 3/4 (i	F436) Gal	(SAME AS R-250017G	;)		2.40	1.09	REL
											93.66	42.48	_
B05	GROUND	ING BELO	W GRAD	DE M	ATERIAL								
		Line									Weight	Weight	
Ref.	Order	Num	ltem Nu	mber	Quantity	U/M	Des	scription	Drawi	ing Number	(LBS)	(KGS)	ST
19	94131	38.0000					TOWER GROU	NDING BELOW GRA	DE	<u> </u>			REL
20	94131	40.1000	1502	247	40	MT	Grd Wire 4/0 Str	Copper Tinned			85.60	38.83	REL
21	94131	42.0000	1500	148	3	PC	Grd Rod 3/4 X 1	0' Copper			42.00	19.05	REL
22	94131	44.0000	1500	122	4	DC.	Weld Metal #11	=					REL
22	34131	44.0000	1500)33	4	FC	vveid ivietai #113	3					KEL
23	94131	46.0000	1500	132	2	PC	Weld Metal #90						REL
24	94131	50.2000	1500	35	18	PC	Weld Metal #15	0					REL
25	94131	52.0000	NOTE	∃ 86	1	PC		C2Q2Q c/w FRAME					REL
							SUPPLIED BY I						
26	94131	54.0000	NOTE	E 89	1	PC	ONE MOLD SS	-					REL
27	94131	56.0000	NOTE	= 00	1	DC.	ONE MOLD GT				2.20	1.00	REL
21	94131	30.0000	NOTE	_ 90	'	FC	SUPPLIED BY				2.20	1.00	KEL
28	94131	58.0000						UNDING BELOW GR	ADE				REL
	3	-0.0000											
29	94131	60.2000	9104	I5B	9	PC	BAR 19 DIAx30	48 (300W) Grd Rod	91E	3045_M01	140.40	63.68	REL

STRUCTURE

30

C02 SECTIONS

94131

94131

61.0000

76.0000

150018

151000

9

80

		Line						Weight	Weight	
Ref.	Order	Num	Item Number	Quantity	U/M	Description	Drawing Number	(LBS)	(KGS)	ST
32	94146	2.0000				STRUCTURES				REL
33	94146	4.0000	24212A	1	PC	Star Base Weldment 550kN	24B212_M01	130.00	58.97	REL
34	94146	6.0000	24DSD0D-O	3	PC	LRM24 STD SECT 3000 LG LEG 38 DIA DIAG 16 DIA W/TX	24DSD0D	873.00	395.99	REL
35	94146	8.0000	24DSD0D-W	1	PC	LRM24 STD SECT 3000 LG LEG 38 DIA DIAG 16 DIA W/TX	24DSD0D	291.00	132.00	REL

Galvanized (was 5461-10) PC Grd Conn Wire To Rod (Comp)

(2 Str-250 Kcmil) (3/4 OD)

MT 1/2" Galvanized Wire

Steel aircraft cable

Materials List

16:56:13

Ship To:

984020

Coast Guard Rondeau MCTS, ON

R55MATLIS RCS0002

Project Number:

984020 0163462

Coast Guard Rondeau MCTS, ON

YLI

02/07/12

Customer:

983756

Fisheries and Oceans Canada

(Customer :		983756	Fisheries and	Oce	ans Canada				
		Line						Weight	Weight	
Ref.	Order	Num	Item Number	Quantity	U/M	Description	Drawing Number	(LBS)	(KGS)	
36	94146	10.0000	24DAA0D-W	1	PC	LRM24 GUY SECT 3000 LG LEG 38 DIA DIAG 16 DIA W/TX	SEE BOM	306.00	138.80	REL
37	94146	14.0000	24ASD0D-W	6	PC	RG24 STD SECT 3000 LG LEG 32 DIA, DIAG 16 DIA W/ Tx	24ASD0D	1,380.00	625.96	REL
38	94146	16.0000	24ASD0D-O	7	PC	RG24 STD SECT 3000 LG LEG 32 DIA, DIAG 16 DIA W/ Tx	24ASD0D	1,610.00	730.28	REL
39	94146	18.0000	24AAA0D-W	1	PC	RG24 GUY SECT 3000 LG LEG 32 DIA DIAG 16 DIA W/ Tx	SEE BOM	247.00	112.04	REL
40	94146	20.0000	24AAA0D-O	2	PC	RG24 GUY SECT 3000 LG LEG 32 DIA DIAG 16 DIA W/ Tx	SEE BOM	494.00	224.07	REL
41	94146	21.0000				SPLICE BOLTS				REL
42	94146	21.1000	91099A	3	PC	FB 178 x 16 x 166 (300W)	91B099-M01	24.00	10.89	REL
43	94146	22.0000	91099B	3	PC	FB 51 x 16 x 166 (300W)	91B099-M01	6.00	2.72	REL
44	94146	24.0000	91099C	3	PC	FB 76 x 16 x 166 (300W)	91B099-M01	9.00	4.08	REL
45	94146	28.0000	110063	3	PC	Bolt Assy 1 inx4-3/4 in A325 G		5.64	2.56	REL
46	94146	29.0000	110006	13	РС	Bolt Assy 1/2x2-1/2 in A325 Ga		3,51	1.59	REL
47	94146	30.0000	110215	3	PC	LOCK WASHER 1 IN (SPRING) GALV (25mm Dia) (SAME AS R-250047)		.27	.12	REL
48	94146	32.0000	110066	64	PC	Bolt Assy 1 inx 6 in A325		138.24	62.70	REL
49	94146	34.0000	110214	64	PC	Hardened Washer 1 in (F436) Ga (SAME AS R-250075G)		5.12	2.32	REL
50	94146	36.0000	NAMEPL	1	PC	Name Plate	MS001-M01	.10	.05	REL
	Line	Part					Drawing	Weight	Weight	
	Number	Number			escrip			(LBS)	(KGS)	ST
	36.0100	MS001	1 PC 1	Tower Name Plat	e Blar	k	MS001-M01			REL
51	94146	36.2000	110247	1	PC	U-Bt Assy 3/8x1-1/4 in C/C Gal	91B017-M01	19	.09	REL
C09	GUY LIN	K PLATES	AND PINS							
		Line						Weight	Weight	
Ref.	Order	Num	Item Number	Quantity	U/M	Description	Drawing Number	(LBS)	(KGS)	ST
52	94146	40.0000				EQ. PL.				REL
53	94146	42.0000	EQ1BBCC	3	PC	PL327X13X327 (300W) WELD'T	EQ1BBCC-M01	63.00	28.58	REL
54	94146	44.0000	110027	7	РС	Bolt Assy 3/4x2-1/2 in A325 Ga		4.83	2.19	REL
C10	GUY WIF		ARDWARE MA	TERIAL					187-1 1 :	
		Line				December 2	B . N .	Weight	Weight	

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Order

Num

Ref.

Item Number

3 of 12

Description

Drawing Number

(LBS) (KGS) ST

Quantity U/M

Materials List

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R55MATLIS RCS0002

Ship To:

984020

Coast Guard Rondeau MCTS, ON

Project Number: 0163462

Coast Guard Rondeau MCTS, ON

Customer :

983756

Ref.	Order	Line Num	Item N	umbe	er Quantity	U/M	De	escription	Drawing	ı Number	Weight (LBS)	Weight (KGS)	
55	94146	46.0000						1 @ EL. 14.7m			· · · ·	<u></u>	REL
56	94146	48.0000	1422	65	160	МТ	GUY STRAND Galv. A475 CL				104.96	47.61	REL
57	94146	50.0000	SGY00	01-1	3	EA		& EHS STRAND ASS	GY007	'-E01			REL
	Line	Part					_			Drawing	Weight	Weight	
	Number	Number	Qty	U/M	D	escrip	tion	Additional Descripit	ton	Number	(LBS)	(KGS)	ST
	50.0100	140013	6	PC	Guy Grip 5/16 Ga	iv (Bla	ck)	(Steel Uniformed Guy En	d)		4.56	2.07	REL
	50.0200	140037	3	PC	Shackle 1/2 Screv	v Pin	Galv	2 ton (24k Ultimate Stren	gth)		2.22	1.01	REL
	50.0300	140036	3	PC	Shackle 3/8 Screv	v Pin	Galv	1 ton (12k Ultimate Stren	gth)		.93	.42	REL
	50.0400	140074	6	PC	Heavy Thimble 3/	8 Galv	,	Crosby G-414 Closed			1.26	.57	REL
	50.0500	140054	3	PC	Turnbuckle 5/8 X	12 in .	I&E Gal	(17.5 k Ultimate Strength)		11.34	5.14	REL
	50.0600	140159	6	PC	End Sleeve 5/16	Guy G	rip Galv	(SAME AS R-GC65128)					REL
	50.0700	140169	6	PC	Ear Clamp 5/16 G	luy							REL
											20.31	9.21	
58	94146	52.0000	KGY5	16C	3	PC	5/16 Strand Si						REL
		_					S.R 100mm &	(1) U-Bolt Clips					
	Line	Part	04.				A!	6 delition of Donorship	4	Drawing	Weight	Weight	C.T.
	Number	_ Number	Qty	U/M		escrip		Additional Descripion	ton	Number	(LBS)	(KGS)	ST
	52.0100	140003	3		U-Bolt Clip 3/8 Ga					0.4004 4404	1.41		REL
	52.0200	91261A	3	PC	3/8 Dia SRx100 L	.g. (30	UVV)			91A261_ <u>M01</u>	.42		_REL
59	94146	54.0000					GUY LEVEL #	£2 @ EL.29.7m			1.83	.83	REL
60	94146	56.0000	1422	265	183	мт	GUY STRAND				120.05	54.45	REL
61	94146	58.0000	SGY0	01-1	3	EA	5/16" DIA GUY Dwg# GY007_	Y & EHS STRAND ASS _E01	GY007	7-E01			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		escrip	tion	Additional Descripi	ton	Number	(LBS)	(KGS)	ST
	58.0100	140013	6	PC	Guy Grip 5/16 Ga	ılv (Bla	ick)	(Steel Uniformed Guy En	nd)		4.56	2.07	REL
	58.0200	140037	3	PC	Shackle 1/2 Scre	w Pin	Galv	2 ton (24k Ultimate Stren	igth)		2.22	1.01	REL
	58.0300	140036	3	PC	Shackle 3/8 Scre	w Pin	Galv	1 ton (12k Ultimate Stren	igth)		.93	.42	REL
	58.0400	140074	6	PC	Heavy Thimble 3/	/8 Gal	/	Crosby G-414 Closed			1.26	.57	REL
	58.0500	140054	3	PC	Turnbuckle 5/8 X	12 in	J&E Gal	(17.5 k Ultimate Strength	1)		11.34	5.14	REL
	58.0600	140159	6	PC	End Sleeve 5/16	Guy G	irip Galv	(SAME AS R-GC65128)					REL
	58.0700	140169	6	PC	Ear Clamp 5/16 (Buy							REL
											20.31	9.21	
62	94146	60.0000	KGY5	16C	3	PC		ize Ice Brkr c/w (1) U-Bolt Clips					REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M)escri _l	otion	Additional Descripi	iton	Number	(LBS)	(KGS)	ST
	60.0100	140003	3	PC	U-Bolt Clip 3/8 G	alv FC	RGED				1.41	.64	REL
	60.0200	91261A	3	PC	3/8 Dia SRx100 L	.g. (30	iow)			91A261_M01	.42	.19	_REL
											1.83	.83	3

Materials List

02/07/12

16:56:13

Ship To:

984020

Coast Guard Rondeau MCTS, ON

R55MATLIS RCS0002

YLI

Project Number: 0163462

Coast Guard Rondeau MCTS, ON

Customer :

983756

Section Sec	of	Order	Line Num	Item N	umbe	r Quantity	11/88		Description	Drawina	Number	Weight (LBS)	Weight (KGS)	
				ite:ii iv	411156	a Quantity	O/IVI			Diawing	Number	(LBS)	(KGS)	REI
Square S									0 ==					
Line Part Number Numbe	64	94146	64.0000	1422	61	215	МТ					211.56	95.96	REI
Number Number Oly UM	65	94146	66.0000	SGY0	01-2	3	EA			GY007	-E01			RE
66.0100 140014 6 PC Guy Grip 3/8 Galv (Orange) (Steel Uniformed Guy End) 6.90 66.0200 140037 6 PC Shackle 1/2 Screw Pin Galv 2 ton (24k Ullimate Strength) 4.44 66.0300 140064 3 PC Hewry Thimble 3/8 Galv Croeby 9-414 Closed 1.25 66.0400 140160 6 PC Hewry Thimble 3/8 Galv (Troeby 9-414 Closed) 1.25 66.0500 140160 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 11.34 66.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC End Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140170 6 PC Side Steeve 3/8 Guy Grip Galv (SAME AS R-GC85264) 26.0500 140003 3 PC U-Bolt Clip 3/8 Galv PCRGED 7.05000 7.0		Line	Part								Drawing	Weight	Weight	
66.0200 140037 6 PC Shackie 1/2 Screw Pin Galv 2 ton (24k Ultimate Strength) 4.44		Number	Number	Qty	U/M	D	escrip	tion	Additional Descripi	ton	Number	(LBS)	(KGS)	S
66.0300 140074 6 PC Heavy Thimble 3/8 Galv Crosby G-114 Closed 1.26 6.0400 140054 3 PC Turnbuckle 5/8 X12 in J&E Gal (17.5 k Ultimate Strength) 11.34		66.0100	140014	6	PC	Guy Grip 3/8 Galv	(Ora	nge)	(Steel Uniformed Guy Er	nd)		6.90	3.13	RE
66.0400		66.0200	140037	6	PC	Shackle 1/2 Screv	v Pin	Galv	2 ton (24k Ultimate Stren	gth)		4.44	2.01	RE
66.0500 140160 6 PC FC Enclosing 36 J716 Guy (SAME AS R-GC65264) 66.0600 140170 6 PC Enclosing 36 J716 Guy (SAME AS R-GC65264) 67.0600 140170 6 PC Enclosing 36 J716 Guy (SAME AS R-GC65264) 68.0500 KGY38C 3 PC 3/8 Strand Size Ice Brkr clw S.R 100mm & (1) U-Bolt Clips Line		66.0300	140074	6	PC	Heavy Thimble 3/	'8 Gal	/	Crosby G-414 Closed			1.26	.57	RE
		66.0400	140054	3	PC	Turnbuckle 5/8 X	12 in .	J&E Gal	(17.5 k Ultimate Strength)		11.34	5.14	RE
		66.0500	140160	6	PC	End Sleeve 3/8 G	uy Gr	ip Galv	(SAME AS R-GC65264)					RE
Second S		66.0600	140170	6	PC	Ear Clamp 3/8 - 7	/16 G	υу				3.00	1.36	RE
S.R. 100mm & (1) U-Bolt Clips Drawing Weight Weig												26.94	12.21	
Line Part Number Number Qty U/M Description Additional Description Additional Description Number (LBS) (KG: MS: MS: MS: MS: MS: MS: MS: MS: MS: MS	66	94146	68.0000	KGY	38C	3	PC							RE
68.0100 140003 3 PC U-Bolt Clip 3/8 Galv FORGED 68.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 4.2 1.83 67 94146 70.0000 142260 252 MT GUY STRAND 7/16 EHS Galv. A475 CL-A 69 94146 74.0000 SGY001-3 3 EA 7/16" DIA GUY & EHS STRAND ASS GY007-E01 Line Part Number Qty U/M Description Additional Description Number (LBS) (KG. 74.0000 140075 6 PC Heavy Thinble 1/2 - 9/16" Galv Cash Williams Strength) 74.0500 140175 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC End Sleeve 7/16 Guy Grip Galv (STrand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Number Number Qty U/M Description Additional Description Drawing Weight Weight (RG. 74.0500 140170 6 PC End Sleeve 7/16 Guy Grip Galv (Steal Uniformed Guy End) 10.80 74.0500 140170 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 74.0600 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Number Number Qty U/M Description Additional Description Number (LBS) (KG. 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28		Line	Part								Drawing	Weight	Weight	
68.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 914261_M01		Number	Number	Qty	U/M	D	escrip	tion	Additional Descripi	ton	Number	(LBS)	(KGS)	S
1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.84 1.84 1.85		68.0100	140003	3	PC	U-Bolt Clip 3/8 Ga	alv FC	RGED				1.41	.64	RE
GUY LEVEL #4 @ EL.59.7m GUY LEVEL #4 @ EL.59.7m GUY STRAND 7/16 EHS Galv. A475 CL-A Description Malay & EHS STRAND ASS GY007-E01 Dwg# GY007_E01 Drawing Weight Weight Weight Additional Description Number (LBS) (KG. Additio		68.0200	91261A	3	PC	3/8 Dia SRx100 L	.g. (30	ow)			91A261_M01	.42	.19	RE
88 94146 72.0000 142260 252 MT GUY STRAND 7/16 EHS Galv. A475 CL-A 89 94146 74.0000 SGY001-3 3 EA 7/16" DIA GUY & EHS STRAND ASS GY007-E01 Dwg# GY007_E01 Line Part Number Number Oty U/M Description Additional Descriptor Part Part Number Oty U/M Description Additional Descriptor Part Part Number Oty U/M Description Additional Descriptor Number Other Other												1.83	.83	
Galv. A475 CL-A Dwg# GY007_E01 Drawing Weight Weight Weight Mumber Number Qty U/M Description Additional Description Number (LBS) (KG.	67	94146	70.0000					GUY LEVEL	. #4 @ EL.59.7m					RE
Line Part Value Part	68	94146	72.0000	1422	260	252	MT					330.62	149.97	RE
Number Number Qty U/M Description Additional Descripiton Number (LBS) (KG.	69	94146	74.0000	SGY0	01-3	3	EA			GY007	'-E01			RE
74.0100 140015 6 PC Guy Grip 7/16 Galv (Green) (Steel Uniformed Guy End) 10.80 74.0200 140037 6 PC Shackle 1/2 Screw Pin Galv 2 ton (24k Ultimate Strength) 4.44 74.0300 140075 6 PC Heavy Thimble 1/2 - 9/16" Galv Crosby G-414 Closed 3.06 74.0400 140056 3 PC Turnbuckle 3/4 X 18 in J&E Gal (26 k Ultimate Strength) 21.00 74.0500 140161 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 70 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Sumber Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		Line	Part								Drawing	Weight	Weight	
74.0200 140037 6 PC Shackle 1/2 Screw Pin Galv 2 ton (24k Ultimate Strength) 4.44 74.0300 140075 6 PC Heavy Thimble 1/2 - 9/16" Galv Crosby G-414 Closed 3.06 74.0400 140056 3 PC Turnbuckle 3/4 X 18 in J&E Gal (26 k Ultimate Strength) 21.00 74.0500 140161 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 70 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		Number	Number	Qty	U/M	D	escrip	otion	Additional Descript	iton	Number	(LBS)	(KGS)	s
74.0300 140075 6 PC Heavy Thimble 1/2 - 9/16" Galv Crosby G-414 Closed 3.06 74.0400 140056 3 PC Turnbuckle 3/4 X 18 in J&E Gal (26 k Ultimate Strength) 21.00 74.0500 140161 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 3.00 42.30 1 70 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Drawing Weight Weight Number Number Qly U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		74.0100	140015	6	PC	Guy Grip 7/16 Ga	ılv (Gr	een)	(Steel Uniformed Guy Er	nd)		10.80	4.90	RE
74.0400 140056 3 PC Turnbuckle 3/4 X 18 in J&E Gal (26 k Ultimate Strength) 21.00 74.0500 140161 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 70 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		74.0200	140037	6	PC	Shackle 1/2 Scree	w Pin	Galv	2 ton (24k Ultimate Strer	igth)		4.44	2.01	RE
74.0500 140161 6 PC End Sleeve 7/16 Guy Grip Galv (SAME AS R-GC65265) 74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Drawing Weight Weight Number Number Qty U/M Description Additional Descripiton Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		74.0300	140075	6	PC	Heavy Thimble 1/	/2 - 9/	16" Galv	Crosby G-414 Closed			3.06	1.39	RE
74.0600 140170 6 PC Ear Clamp 3/8 - 7/16 Guy 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Drawing Weight Weight Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		74.0400	140056	3	PC	Turnbuckle 3/4 X	18 in	J&E Gal	(26 k Ultimate Strength)			21.00	9.53	RE
## 42.30 1 ## 42.30 1 ## 42.30 1 ## 42.30 1 ## 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Drawing Weight Weight Weight Weight Weight Weight Reserve Part P		74.0500	140161	6	PC	End Sleeve 7/16	Guy G	irip Galv	(SAME AS R-GC65265)					RE
70 94146 76.0000 KGY716C 3 PC 7/16 Strand Size Ice Brkr c/w S.R 100mm & (1) U-Bolt Clips Line Part Drawing Weight Weight Weight Weight Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		74.0600	140170	6	PC	Ear Clamp 3/8 - 7	7/16 G	uy				3.00	1.36	RE
S.R. 100mm & (1) U-Bolt Clips Drawing Weight Weight Weight Weight Weight Wei												42.30	19.19)
Line Part Drawing Weight Weight Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42	70	94146	76.0000	KGY7	16C	3	РС							RE
Number Number Qty U/M Description Additional Description Number (LBS) (KG 76.0100 140004 3 PC U-Bolt Clip 7/16 Galv FORGED 2.28 76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		Line	Part								Drawing	Weight	Weight	
76.0200 91261A 3 PC 3/8 Dia SRx100 Lg. (300W) 91A261_M01 .42		Number	Number	Qty	U/M)escrip	otion	Additional Descrip	iton	Number		(KGS)	5
		76.0100	140004	3	PC	U-Bolt Clip 7/16 C	Galv F	ORGED				2.28	1.03	RI
		76.0200	91261A	3	PC	3/8 Dia SRx100 L	.g. (30	10W)			91A261_M01	.42	.19	RI
2.70												2.70	1.22	_

Materials List

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R55MATLIS RCS0002

Weight Weight

Ship To:

984020

Coast Guard Rondeau MCTS, ON

Project Number: 0163462

Coast Guard Rondeau MCTS, ON

Customer:

983756

Fisheries and Oceans Canada

		Line							Weight	Weight	
Ref.	Order	Num_	Item N	umb	Quantity U/M	Description	Drawin	g Number	(LBS)	(KGS)	
	Line	Part						Drawing	Weight	Weight	
	Number	Number	Qty	U/M	Description	Additional Descr	ipiton	Number	(LBS)	(KGS)	ST
	78.0100	GY008B	12	PC	Guy Wire Intial Tension Tag	Aluminum Blank (Sing	le Cable)	GY008-M02			REL
	78.0200	100109	28	PC	Ties Black Nylon						REL
	78.0300	GY009-E01	4	PC	GUY TAG INSTALLATION						REL
72	94146	80.0000	KCGY	′001		Loc. Mat'l (3/16"Chain)) ANCHOR ONLY	N/A				REL
	Line	Part						Drawing	Weight	Weight	
	Number	Number	Qty	U/M	Description	Additional Descri	ipiton	Number	(LBS)	(KGS)	ST
	80.0100	140108	21	MT	Chain 3/16 Link Galv	Crosby			31.50	14.29	REL
	80.0200	140001	3	PC	U-Bolt Clip 1/4 Galv FORGED				.60	.27	REL
									32.10	14.56	-
73	94146	82.0000	1405	00	•	uard (Yellow) - Plastic 8' lg w/ Loop-Lock Pins					REL

ACCESSORIES

K03 TX LINE BRIDGE LINE MOUNTS Line

Ref.	Order	Num	Item Nu	mber	Quantity	U/M	Des	cription [Drawing I	Number	(LBS)	(KGS)	ST
74	94197	2.0000					TX LINE BRIDGE	E MOUNTS					REL
75	94197	4.0000	STB00	01-S	3	KI	10' SINGLE TX-E Dwg# TB001_E0		TB001_	<u>.</u> E01			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		escrip	otion	Additional Descripito	n	Number	(LBS)	(KGS)	ST
	4.0100	91171B	3	PC	Formed C305 X 4	4 X 30	48(300W)			91B171-M01	345.00	156.49	REL
	4.0200	91166F2	6	PC	HSS114 O.D Wei	ld't X 3	3350	(renumbered from 91166F	1)	91B166-M01	720.00	326.59	REL
	4.0300	TX001A	6	PC	L 152X102X10X5	513 (30	00W)			TX001_M01	132.00	59.87	REL
	4.0400	91171C	18	PC	Pl. 38 X 3 X 260	(230G	i)			91B171-M02	18.00	8.16	REL
	4.0500	110260	12	PC	U-Bt Assy 1/2x5-	1/16 in	C/C Ga			91B017-M03	10.56	4.79	REL
	4.0600	111041	12	PC	J-Bolt Assy 1/2-1	3 X 5 i	in Squa	Galvanized		91B334_M02	4.80	2.18	REL
	4.0700	110459	18	PC	Bolt Assy 3/8 X 1	in Gr	5 Galv				.72	.33	REL
	4.0800	TB001_E0	1 3	PC	DWG. 10' SINGL	E TX-I	BRIDGE						REL
											1,231.08	558.41	-
76	94197	6.0000	9117	1B	1	РС	Formed C305 X	4 X 3048(300W)	91B171	-M01	115.00	52.16	REL
77	94197	8.0000	9117	1C	4	РС	PI. 38 X 3 X 260	(230G)	91B171	-M02	4.00	1.81	REL
78	94197	10.0000	1104	59	4	РС	Bolt Assy 3/8 X 1	in Gr5 Galv			.16	.07	REL
79	94197	12.0000	STB00	06-F	3	ΚI	Tx-BR Splice Co Dwg# TB006_E0		TB006_	_E05			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty_	U/M		Descrip	otion	Additional Descripito	n	Number	(LBS)	(KGS)	ST
	12.0100	91170D	6	PC	L 64 X 64 X 6 X 2	260 (3	350W)	(renumbered from 5363-4)		91B170_M01	21.84	9.91	REL
	12.0200	110001	24	PC	Bolt Assy 1/2x1-1	1/4 in A	1325 Ga	[M12x32]			4.80	2.18	REL

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R55MATLIS RCS0002

Ship To:

984020

Coast Guard Rondeau MCTS, ON

YLI

Project Number: 0163462

904020

Coast Guard Rondeau MCTS, ON

Customer:

983756

Fisheries and Oceans Canada

Ref.	Order	Line Num	Item N	umb	er Quantity	<u>U/M</u>	Des	scription	Drawin	g Number	Weight (LBS)	Weight (KGS)	
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M)escrip		Additional Descripi		Number	(LBS)	(KGS)	ST
	12.0300	110203	24	PC	LOCK WASHER	1/2 (S	PRING) GALV	[M12] (SAME AS R-2500	183)		.46		REL
											27.10	12.30	
80	94197	13.0000	STB00	06-D	2	KI	3' End Plate For Dwg# TB006_E	•	TB006	5_E03			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		Descrip		Additional Descripi	ton	Number	(LBS)	(KGS)	ST
	14.0100	TB006B1	2	PC	PL 460x6x840	•	300W)	Dwg# TB006-M01		TB006-M01	68.00	30.84	REL
	14.0200	111041	8	PC	J-Bolt Assy 1/2-1	3 X 5	n Squa	Galvanized		91B334 <u>M02</u>	3.20	1.45	REL
											71.20	32.29	
K05	ANTENNA	A MOUNT M	IATERI	AL									
		Line									Weight	Weight	
Ref.	Order	Num	Item Nu	mbei	Quantity	U/M	Des	scription	Drawing	Number	(LBS)	(KGS)	ST
81	94197	14.0000					SD214 ANTENI	NA @ EL. 66.05m					REL
82	94197	16.0000	SSGI	L3A	2	PC	L102x102x10x7	23(350W)	24-SS	GL-M03-01	50.00	22.68	REL
83	94197	18.0000	9108	80A	1	PC	HSS 73 ODx6x1 Plain Galvanize	1830+/-25mm (350W) d Material	NO D/	WG	42.00	19.05	REL
84	94197	20.0000	SMT0	10-1	2	EΑ	PARALLEL PIP Dwg# 91B240_I	E TO PIPE CLAMP E01	91B24	0-E01			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		Descrip	otion	Additional Descripi	ton	Number	(LBS)	(KGS)	ST
	20.0100	91240A	2	PC	Clamp Weldment	:		(renumbered from 5064)		91B240-M02	6.80	3.08	REL
	20.0200	91239A	4	PC	Bar 64x6x198 (23	30W) I	Bent	(renumbered from 5014)		91B239_M01	5.20	2.36	REL
	20.0300	110143	8	PC	HEX NUT 1/2 (13	UNC	2H GAL				.56	.25	REL
	20.0400	110203	8	PC	LOCK WASHER	1/2 (S	PRING) GALV	[M12] (SAME AS R-2500	083)		.15	.07	REL
	20.0500	91B240_E01	2	EΑ	PARALLEL PIPE	TO P	IPE CLAMP						REL
											12.71	5.76	-
85	94197	22.0000	MTO	06B	2	PC	L 102x102x10x2	214 Weld't	MT006	6-M02	14.00		REL
86	94197	26.0000	1105	520	8	PC	U-Bt Assy 1/2 X	2 in C/C GALV	91B01	7-M03	4.40	2.00	REL
87	94197	28.0000	1102	257	4	PC	U-Bt Assy 1/2x3	3-7/16 in C/C Ga	91B01	7-M03	2.76	1.25	REL
88	94197	30.0000	1100)11	4	PC	Bolt Assy 5/8 X	2 in A325 Galv			1.64	.74	REL
89	94197	32.0000					SD212 ANTENI	NA @ EL. 59.44m					REL
90	94197	34.0000	SMT	006	2	EA	PIPE CLAMP A Dwg# 91B147_I	SS'Y 38-73mm OD E01	91B14	7-E01			REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		Descrip	otion	Additional Descripi	iton	Number	(LBS)	(KGS)	ST
	34.0100	91147A-1	4	PC	Angle Weldment			L 51x51x6x130 WELD (300W)	91B147-M01	9.20	4.17	REL
	34.0200	91239A	4	PC	Bar 64x6x198 (23	30W) I	3ent	(renumbered from 5014)		91B239_M01	5.20	2.36	REL
	34.0300	110002	4	PC	Bolt Assy 1/2x1-1	1/2 in A	1325 Ga				.84	.38	REL

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Coast Guard Rondeau MCTS, ON

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Project Number:

0163462

Coast Guard Rondeau MCTS, ON

Customer:

983756

Ref.	Line Ref. Order Num		Item N	umbe	per Quantity U/M			Description	Draw	ring Number	Weight (LBS)	Weight (KGS)	
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty_	U/M		Descrip	•		Additional Descripiton		(LBS)	(KGS)	ST
	34.0400	110203	4		LOCK WASHER		,	[M12] (SAME AS R-	•		.08		REL
	34.0500	110946	8		Bolt Assy LW 1/2			GR 5 Fully Threaded	d - Galv'd		2.64	1.20	REL
	34.0600	91B147_E01	2	EA	PIPE CLAMP AS	SS'Y 38	1-73mm OD						_REL
											17.96	8.14	
91	94197	36.0000					SD214 ANT	ENNA @ EL.56.38m					REL
92	94197	38.0000	SMT	006	2	EA	PIPE CLAMF Dwg# 91B14	P ASS'Y 38-73 m m OD 7_E01	3147-E01			REL	
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M		Descrip	otion	Additional Des	scripiton	Number	(LBS)	(KGS)	ST
	38.0100	91147A-1	4	PC	Angle Weldment			L 51x51x6x130 WE	LD (300W)	91B147-M01	9.20	4.17	REL
	38.0200	91239A	4	PC	Bar 64x6x198 (2	30W) E	Bent	(renumbered from 5	014)	91B239_M01	5.20	2.36	REL
	38.0300	110002	4	PC	Bolt Assy 1/2x1-	1/2 in A	1325 Ga						REL
	38.0400	110203	4	PC	LOCK WASHER	1/2 (S	PRING) GALV	[M12] (SAME AS R-	[M12] (SAME AS R-250083)			.03	REL
	38.0500	110946	8	PC	Bolt Assy LW 1/2	2 x 4 in	A449	GR 5 Fully Threaded	d - Galv'd		2.64	1.20	REL
	38.0600	91B147_E01	2	EΑ	PIPE CLAMP AS	SSY 38	3-73mm OD						REL
											17.96	8.14	
93	94197	40.0000					SD214 ANT	ENNA @ EL. 47.24m					REL
94	94197	42.0000	SMT	006	2	EA	PIPE CLAMF Dwg# 91B14	P ASS'Y 38-73mm OD 7 E01	91E	3147-E01			REL
	Line	Part						_		Drawing	Weight	Weight	
	Number	Number	Qty	U/M		Descrip	otion	Additional Des	scripiton	Number	(LBS)	(KGS)	ST
	42.0100	91147A-1	4	PC	Angle Weldment			L 51x51x6x130 WE	LD (300W)	91B147-M01	9.20	4.17	REL
	42.0200	91239A	4	PC	Bar 64x6x198 (2	30W) E	Bent	(renumbered from 5	5014)	91B239_M01	5.20	2.36	REL
	42.0300	110002	4	PC	Bolt Assy 1/2x1-	1/2 in A	1325 Ga				.84	.38	REL
	42.0400	110203	4	PC	LOCK WASHER	1/2 (S	PRING) GALV	[M12] (SAME AS R-	-250083)		.08	.03	REL
	42.0500	110946	8	PC	Bolt Assy LW 1/2	2 x 4 in	A449	GR 5 Fully Threade	d - Galv'd		2.64	1.20	REL
	42.0600	91B147_E01	2	EΑ	PIPE CLAMP AS	SS'Y 38	3-73mm OD						REL
											17.96	8.14	
95	94197	44.0000					ICE GUARD	FOR ANT.@ EL. 59.4	l4m				REL
96	94197	46.0000	SSGL	10A	1	PC	Formed Chai	nnel 305 X 4 X 914	NO	DWG	69.00	31.30	REL
97	94197	48.0000	SSGI	.8A	1	PC	L51x51x5x61	4 (350W)	24-	SSGL-M08-01	7.00	3.18	REL
98	94197	50.0000	SSGI	-6A	1	PC	L 76X76X6x3	380 Weld't	24-	SSGL-M06-01	8.00	3.63	REL
99	94197	54.0000	SSGI	.5B	1	PC	L102x76x10x	380 (350W)	24-	SSGL-M05-01	11.00	4.99	REL
100	94197	56.0000	SSGI	-7A	1	PC	L 102X76X10	0x148 Weld't	24-	SSGL-M07-01	6.00	2.72	REL
101	94197	58.0000	1110		4		Galvanized	/2-13 X 5 in Squa		3334_M02	1.60		REL
102	94197	60.0000	1105	20	4	PC	U-Bt Assy 1/2	2 X 2 in C/C GALV	918	3017-M03	2.20	1.00	REL
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Coast Guard Rondeau MCTS, ON

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Project Number:

984020 0163462

Coast Guard Rondeau MCTS, ON

Customer :

Ship To:

983756

Fisheries and Oceans Canada

Customer:		98	83756		Fisheries and	Oce	ans Canada																																			
Ref.	Order	Line Order Num Item Number		er Quantity	U/M	Des	cription	Drawing Number	Weight (LBS)	Weight (KGS)																																
103	94197	62.0000	1100	11	3 PC		Bolt Assy 5/8 X 2 in A325 Galv			1.23	.56	REL																														
104	94197	64.0000					ICE GUARD FO @ EL. 56.38 & 4					REL																														
105	94197	66.0000	SSGL	.9A	2	PC	Formed Channel	305 X 4 X 1524	NO DWG	196.00	88.90	REL																														
106	94197	68.0000	SSGL	.5A	2	PC	L51x51x5x855 (3	350W)	24-SSGL-M05-01	14.00	6.35	REL																														
107	94197	70.0000	SSGL	-7A	2	PC	L 102X76X10x14	18 Weld't	24-SSGL-M07-01	12.00	5.44	REL																														
108	94197	72.0000	SSGL	-6A	2	PC	L 76X76X6x380	Weld't	24-SSGL-M06-01	16.00	7.26	REL																														
109	94197	74.0000	SSGL	.5B	2	PC	L102x76x10x380) (350W)	24-SSGL-M05-01	22.00	9.98	REL																														
110	94197	76.0000	111041		111041		111041		111041		111041		8	PC	J-Bolt Assy 1/2-1 Galvanized	3 X 5 in Squa	91B334_M02	3.20	1.45	REL																						
111	94197	78.0000	00 110520		110520		110520		110520		110520		8	PC	U-Bt Assy 1/2 X	2 in C/C GALV	91B017-M03	4.40	2.00	REL																						
112	94197	80.0000	110011		110011		110011		110011		110011		110011		110011		110011		110011		110011		110011		110011		110011		110011		00 110011		000 110011		5	PC	Bolt Assy 5/8 X 2	2 in A325 Galv		2.05	.93	REL
113	94197	92.0000					ICE GUARD AT	MIDDLE OF TOWER				REL																														
114	94197	94.1000	9126	3A	2	PC	Ice-Guard Weldr	nent	91B263_M01	40.00	18.14	REL																														
115	94197	94.2000	SSGL11A		2	PC	L 102x102x10x1	54 Weld't	24-SSGL-M11-01	10.00	4.54	REL																														
116	94197	94.3000	110520		4	PC	U-Bt Assy 1/2 X	2 in C/C GALV	91B017-M03	2.20	1.00	REL																														
117	94197	94.4000	1100	11	5	PC	Bolt Assy 5/8 X 2	2 in A325 Galv		2.05	.93	REL																														
K07	K07 SAFETY CLIMB MATERIAL																																									
Ref.	Order	Line Num	Item Nur	mher	Quantity	U/M	Des	cription	Drawing Number	Weight (LBS)	Weight (KGS)																															
118	94197	84.0000					SAFETY CLIMB	 -	Didwing Humber	(250)	(1100)	REL																														
119	94197	86.0000	SCL00)1-1	10	KI		RAIL C/W HRDWARE	CL001-E01			REL																														
							Dwg# CL001_E0	01																																		
	Line Number	Part Number	Otv	11/8.4	0.		*i	A delitional December	Drawing	Weight	Weight																															
	86.0100	CL001A	Qty10	D/M PC	RAM Safety Climb	escrip		Additional Descripit		(LBS)	(KGS)	ST																														
	86.0200	5351	50		Bar 25 X 6 X 67	rall.	n=0		CL001-M A3		86.09																															
	86.0300	110995	100		BOLT 3/8x2 in GR	2 FU	LL THREAD	HDG	A3	12 10.00	7.03	REL REL																														
	86.0400	110997	200		Hex Nut 3/8 Gr2 G		100°	Finished hex nuts		8.00	3 63	REL																														
	86.0500	110197	100		Lock Washer 3/8 (g) Galv	(SAME AS R-250082)		1.00		REL																														
	86.0600	CL001_E01			DWG. RAM SAFE				_			REL																														
120	94197	88.0000	SCL00	11.4	1	IZ I	10' DAM CAET I		CL 004 E04	214.30	97.20																															
120	⊎ ⊤ 1⊍ <i>1</i>	55.5500	JOLUU	, i =4	I	KI	TO MAIN SAFE F	RL C/W HRDWRE-TOP	CL001-E01	9.00	4.08	REL																														
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Materials List

984020 Coast Guard Rondeau MCTS, ON

Project Number: 0163462

Coast Guard Rondeau MCTS, ON

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Customer :

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Fisheries and Oceans Canada

(Customer :	9	83756		Fisheries and	l Oce	ans Canada						
		Line								Weight	Weight		
Ref.	Order Num Item Number				Quantity	U/M		Drawing I	Number	(LBS)	(KGS)		
	Line	Part					Dwg# CL001_E		Drawing	Weight	Woight		
	Number	Number	Qty	U/M	D	escrip	tion	Additional Descrip	iton	Number	(LBS)	Weight (KGS)	ST
	88.0100	CL001D	1	PC	RAM Safety Rail			- 		CL001-M01	9.49		REL
	88.0200	5351	3	PC	Bar 25 X 6 X 67					A372	.93	.42	REL
	88.0300	110995	6	PC	BOLT 3/8x2 in GF	R2 FUI	LL THREAD	HDG					REL
	88.0400	110997	12	PC	Hex Nut 3/8 Gr2 0	Galv		Finished hex nuts			.48	.22	REL
	88.0500	110197	6	PC	Lock Washer 3/8	(Sprin	g) Galv	(SAME AS R-250082)			.06	.03	REL
	88.0600	CL001_E01	1	PC	DWG. RAM SAFE	ETY R	AIL						REL_
121	94197	90.0000	1603	72	1	PC	RAM Trolley V1 Include Operati	c/w Swivel Hook			10.96 2.00	4.9 7 .91	REL
K08	ANTI-CLI	MB MATER	IAL										
		Line									Weight	Weight	
Ref.	Order	Num	Item Nui	mbei	Quantity	U/M		scription	Drawing N	lumber	(LBS)	(KGS)	ST
122	94197	142.0000					ANTI-CLIMB M	ATERIAL					REL
123	94197	169.1000					MATERIAL FO	R TWO ANTICLIMBS					REL
124	94197	170.0000	24AC	24AC001 2			DOOR WELDM	IENT	24-AC00)1-M01	280.00	127.01	REL
125	94197	172.0000	24AC	002	4	PC	STRUCTURAL	MESH 910x2500 Lg	24-AC00)2-M01	416.00	188.69	REL
126	94197	174.0000	24AC	003	32	PC	BAR 51x6x152	(300W)	24-AC00	03-M01	32.00	14.51	REL
127	94197	176.0000	2409	24095B 2			L 76x51x5x802	Weld (300W)	24B095	M02	24.00	10.89	REL
128	94197	178.0000	2409	24095C		PC	L 76x51x5x802	Weld (300W)	24B095	M02	24.00	10.89	REL
129	94197	180.0000	24095	5D1	32	PC	Bent Bar 152x6	x260 (230G)	24B095-	M04	128.00	58.06	REL
130	94197	182.0000	2409	24095G 6			Bar 38x6x302 (230W)	24B095-	M04	6.00	2.72	REL
131	94197	184.0000	1102	49	80	PC	U-Bt Assy 3/8x2	2-1/16 in C/C Ga	91B017-	·M01	23.20	10.52	REL
132	94197	186.0000	1111	32	70	PC	Carriage bolt Assy 1/2 x2 1/4" Gr5 Galv.				70.00	31.75	REL
133	94197	188.0000	1102	48	12	PC	U-Bt Assy 3/8x	1-5/8 in C/C Gal	91B017-	-M01	2.40	1.09	REL
134	94197	190.0000	1100	10	6	PC	Bolt Assy 5/8x1	y 5/8x1-3/4 in A325 Ga			2.34	1.06	REL
135	94197	192.0000	1102	:05	6	PC	HARDENED W Galv	ASHER 5/8 (F436)			.30	.14	REL
136	94197	194.0000	1601	44	2	PC	Padlock WITH I Alike, Pin Tumb						REL
K09	LIGHTING	3 & ELECTI	RICAL N	IATE	ERIAL								
		Line		_					_		Weight	Weight	
Ref.	Order	Num	Item Nu	mbe	Quantity	U/M	De	scription	Drawing N	lumber	_(LBS)_	(KGS)	ST

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Coast Guard Rondeau MCTS, ON

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Project Number: 0163462

Coast Guard Rondeau MCTS, ON

Customer :

983756

Fisheries and Oceans Canada

	Customer	: 98	33756		Fisheries and	ОС	ans Canada	3					
		Line									Weight	Weight	;
Ref.	Order	Num _	Item N	umb	er Quantity	U/M		Description	Drawing	Number	(LBS)	(KGS)	
137	94197	154.0000					TOP BEAC	ON MOUNT					REL
138	94197	156.0000	SLT0	04-1	1			I MNT KIT 11/4-3 RND 60V Dwg#LT004_E04	LT004_	E04	53.00	24.04	REL
	Line	Part								Drawing	Weight	Weight	
	_Number	Number	Qty	U/M	D	escrip	otion	Additional Descript	iton	Number	(LBS)	(KGS)	ST
	156.0100	110011	4	PC	Bolt Assy 5/8 X 2	in A3	25 Galv				1.64	.74	REL
	156.0200	TX005F	2	PC	BENT BAR 51x6x	192 (300W)	(1 LB)		TX005_M05	2.00	.91	REL
	156.0300	LT004H1	1	PC	Beacon Mounting	Pipe	Weld't	60 OD HSS WELD'T x 1	000 (350W)	LT004-M06	31.00	14.06	REL
	156.0400	91064A	2	PC	L 76x76x6x137 (3	00W)		(renumbered from 5476)		91B064-M01	4.00	1.81	REL
	156.0500	LT004G	2	PC	L 102x102x6x184	(300W)			LT004_M05	12.00	5.44	REL
	156.0600	111003	4	PC	Bolt Assy 1/2x12	in Gr2	. HDG	Fully Threaded			3.08	1.40	REL
	156.0700	110252	4	PC	U-Bt Assy 3/8x2-1	3/16	inC/C Ga			91B017-M01	1.36	.62	REL
	156.0800	110002	4	PC	Bolt Assy 1/2x1-1	/2 in A	1325 Ga				.84	.38	REL
	156.0900	LT004E	2	PC	BENT PL. 105x3x	184 (300W)			LT004_M04	4.00	1.81	REL
	156.1000	LT004_E04	1	PC	DWG. TOP BECN	IMN	T KIT						REL
											59.92	27.17	
139	94197	158.0000					D.O.L @1/2	2 TOWER HEIGHT					REL
140	94197	160.0000	SLT0	03-1	1 PC DBL OBSTR MNT KIT 1 1/4 -3 RND 2 1/2 - 3 60 V Dwg#LT004_E03				L T 004_	_E03	15.00	6.80	REI
	Line	Part					2 1/2 - 0 00	7 DWg#L1004_L03		Drawing	Weight	Weight	
	Number		Qty	U/M	D	escrip	otion	Additional Descrip	iton	Number	(LBS)	(KGS)	ST
	160.0100				BAR 64x6x417 (3					LT004_M03	8.00		REL
	160.0200	110946	8	PC	Bolt Assy LW 1/2	x 4 in	A449	GR 5 Fully Threaded - G	alv'd	_	2.64		REL
	160.0300		4		Bolt Assy 1/4x1-1								REL
	160.0400		4		BENT BAR 51x6x			(1 LB)		TX005_M05	4.00	1.81	REL
	160.0500		4		U-Bt Assy 3/8x2-1		•	(91B017-M01	1.16		REL
	160.0600		1		DWG. DBL OBST						,,,,		REL
		_									15.80	7.17	_
141	94197	162.0000					воттом.	JUNCTION BOX MOUNT					REI
142	94197	164.0000	SLT0	02-1	1	PC		NG KIT 1 1/4 - 3 RND DV Dwg#LT004_E02	——————————————————————————————————————			3.63	REL
	Line	Part								Drawing	Weight	Weight	
	Number	Number	Qty	U/M	D	escrip	otion	Additional Descrip	iton	Number	(LBS)	(KGS)	ST
	164.0100	LT004C	2	PC	BAR 64x6x417 (3	00W)				LT004_M03	4.00	1.81	REL
	164.0200	110946	4	PC	Bolt Assy LW 1/2	x 4 in	A449	GR 5 Fully Threaded - G	alv'd		1.32	.60	REL
	164.0300	110364	4	PC	Bolt Assy 1/4x1-1	/2 in (Gr5 Gal						REL
	164.0400	TX005F	2	PC	BENT BAR 51x6x	192 (300W)	(1 LB)		TX005_M05	2.00	.91	REL
	164.0500	LT004_E02	1	PC	DWG. TJB MNTI	VG KI	Т						REL
											7.32	3.32	?
143	94197	166.0000					TOP JUNC	TION BOX MOUNT					REL
144	94197	168.0000	SLT0	02-1	1	РС	TJB MNTIN	NG KIT 1 1/4 - 3 RND	LT004_	_E02	8.00	3.63	REL

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Materials List

02/07/12

16:56:13

984020

Coast Guard Rondeau MCTS, ON

R55MATLIS RCS0002

Ship To:

Project Number:

0163462

Coast Guard Rondeau MCTS, ON

YLI

Customer :

983756

Fisheries and Oceans Canada

Ref.	Order	Line Num	Item Number Q				Quantity U/M Description				Number	Weight (LBS)	Weight (KGS)	
	Line	Part									Drawing	Weight	Weight	
	Number	Number	Qty	U/M		E	escrip	tion	Additional Descrip	iton	Number	(LBS)	(KGS)	ST
	168.0100	LT004C	2	PC	BAR 64	1x6x417 (3	300W)				LT004_M03	4.00	1.81	REL
	168.0200	110946	4	PC	Bolt As	sy LW 1/2	x 4 in	A449	GR 5 Fully Threaded - 0	Galv'd		1.32	.60	REL
	168.0300	110364	4	PC	Bolt As	sy 1/4x1-1	1/2 in G	ir5 Gal						REL
	168.0400	TX005F	2	PC	BENT E	BAR 51x6	x192 (3	800W)	(1 LB)		TX005_M05	2.00	.91	REL
	168.0500	LT004_E02	1	PC	DWG.	TJB MNTI	NG KI	г						REL
												7.32	3.32	•
K16	K16 GROUNDING MATERIAL ABOVE GRADE													
	0.1.001.12	Line										Weight	Weight	
Ref.	Order		ltem Nu	mbei	r O	uantity	U/M	Des	cription	Drawing	Number	(LBS)	(KGS)	ST
145	94197	104.0000	110111 1110			danning			IDING ABOVE GRAD		- Tulliou	(250)	(1100)	REL
140	54151	104.0000						TOTAL CITOO	IDINO ABOVE GIVAE	· In-				11/22
146	94197	106.1000	1503	396		3	PC	Grd Lug Wire To	Plate					REL
							_	(4/0 Str-2 Str) (3						
147	94197	108.0000	1104	159		3	PC	Bolt Assy 3/8 X 1	l in Gr5 Galv			.12	.05	REL
148	94197	110.0000						GROUNDING A	T FENCE POST					REL
149	94197	112.0000	1502	247		5	MT	Grd Wire 4/0 Str	Copper Tinned			10.70	4.85	REL
150	94197	114.0000	1500)33		4	PC	Weld Metal #115	•					REL
454	04407	445 0000	NOTE	- 05		4	-	ONE MOLD VO	200 1/50					D.C.1
151	94197	115.0000	NOTE	= 25		1	PC	ONE MOLD VSC SUPPLIED BY F						REL
152	94197	118.0000						ANODE LEAD T						REL
132	34137	110.0000						ANODE LEAD I	O LW. FL					NLL
153	94197	120.0000	1500)68		3	PC	Grd Lug Wire To	Plate (HD)					REL
						-		Tinned (0 Str-8 S	• •					
154	94197	122.0000						ANCHOR GROU	INDING ABOVE GRA	DE				REL
155	94197	128.0000	1500	003		36	PC	Grd Conn 7/16 -	1/2 GS					REL
								#40HPS						
156	94197	130.0000						TX LINE BRIDG	E GROUNDING					REL
157	94197	133.0000	1500)33		6	PC	Weld Metal #115	5			.01		REL
450	04407	440 4000	NOTE	- 00			5.0	015 1401 5 160						551
158	94197	140.1000	NOTE	= 26		1	PC	ONE MOLD VSC SUPPLIED BY F						REL
								00, 1 2120 011	OILETT					

END OF MATERIALS LIST REPORT

Total Weight

12,586.66

5,709.16

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