

ALUMINUM NOTES

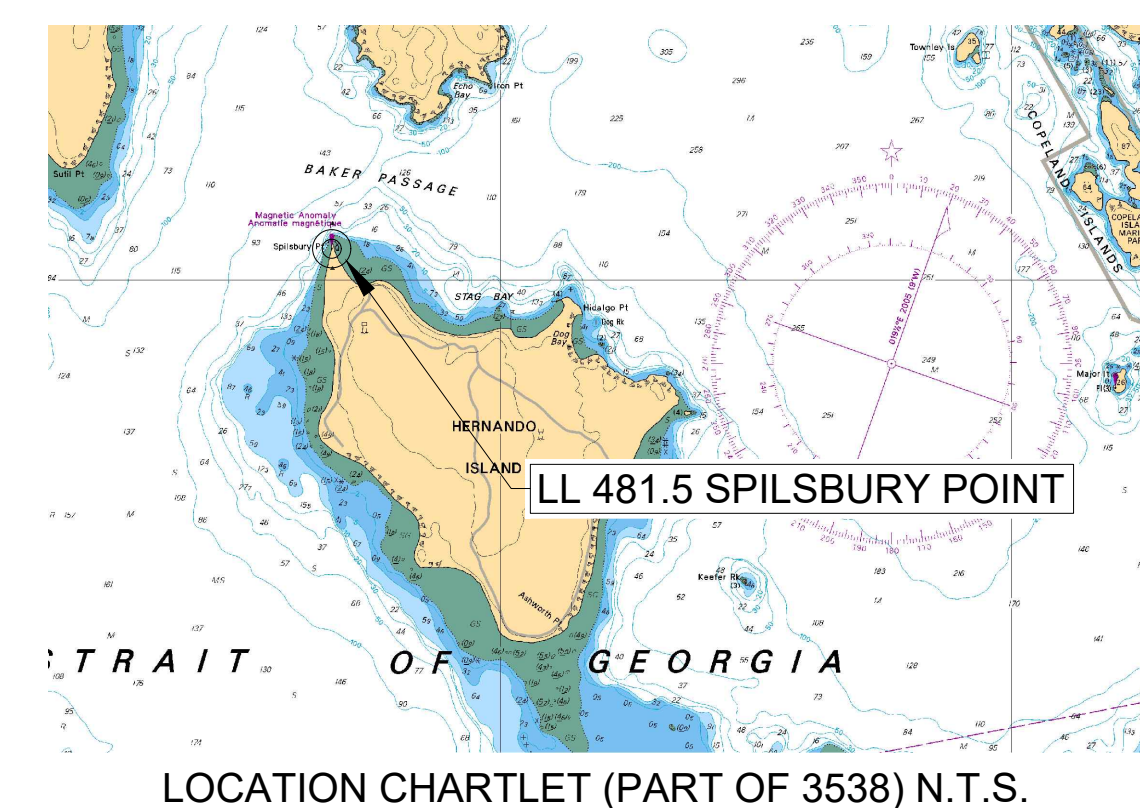
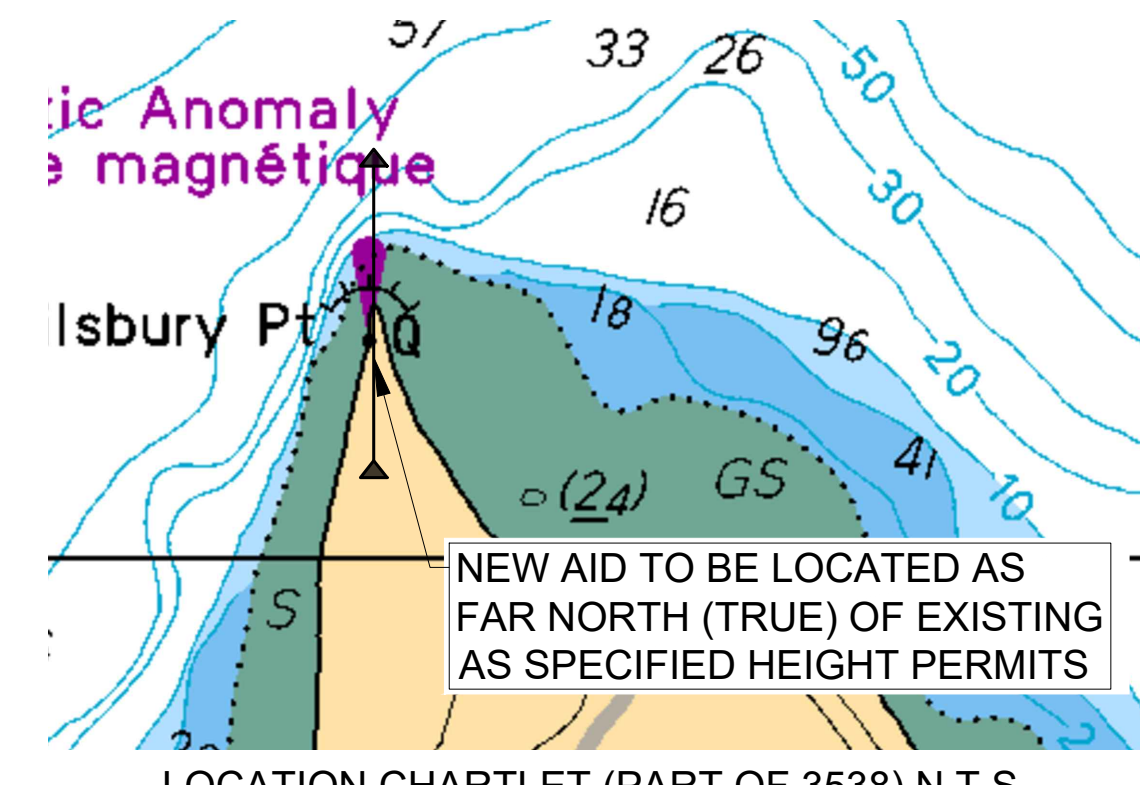
1. FABRICATE ALL ALUMINUM IN CONFORMANCE WITH CAN3-S157-05 AND IN ACCORDANCE WITH DRAWINGS. USE THE MOST CURRENT OF ALL CODE REFERENCES.
2. FABRICATOR TO BE CERTIFIED UNDER CSA-W47.2 DIV 2 FOR FUSION WELDING OF ALUMINUM & CSA-W55.3 FOR RESISTANCE WELDING OF STRUCTURAL COMPONENTS.
3. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH CSA-W59.2
4. BAR, ROD WIRE, TUBES, PLATE & EXTRUDED SHAPES SHALL BE ALLOY GRADE 6061-T6.
5. ALL WELDING WIRE SHALL BE ALLOY GRADE 5356.
6. ALUMINUM TO BE CLEAR ANODIZED PRIOR TO FAB.
7. NO SHARP EDGES. GRIND AND SAND SMOOTH AS REQUIRED.
8. NO CUTTING OR HOLES EXCEPT AS SHOWN ON DRAWINGS.
9. MECHANICAL CONNECTIONS, STAINLESS STEEL CONFORMING TO AISI 316.
10. TWO COATS OF BITUMINOUS PAINT CONFORMING TO ASTM D1187 TYPE 1 SHALL BE USED WHEN ALUMINUM SURFACE IS IN CONTACT WITH CONCRETE.

GENERAL NOTES

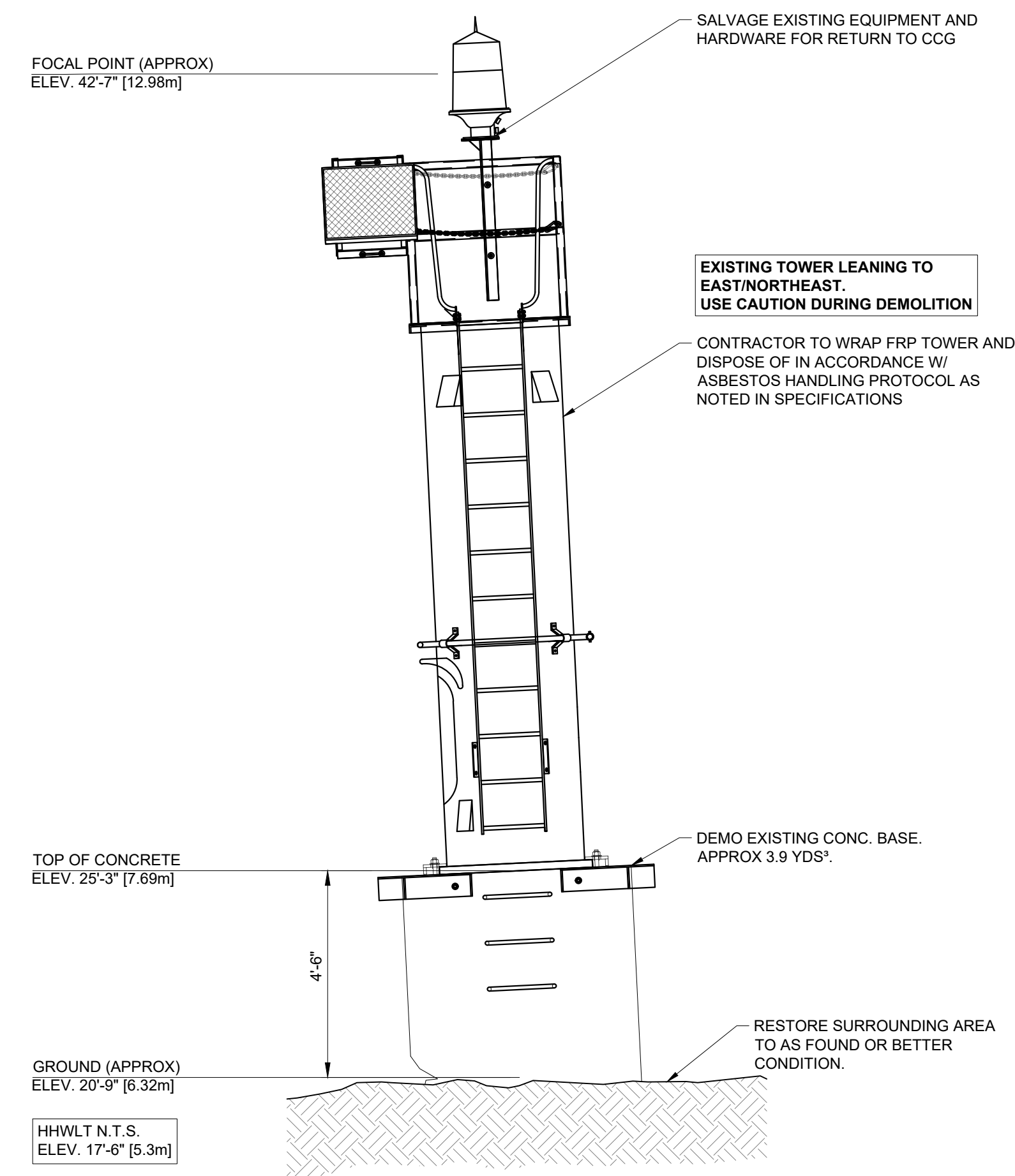
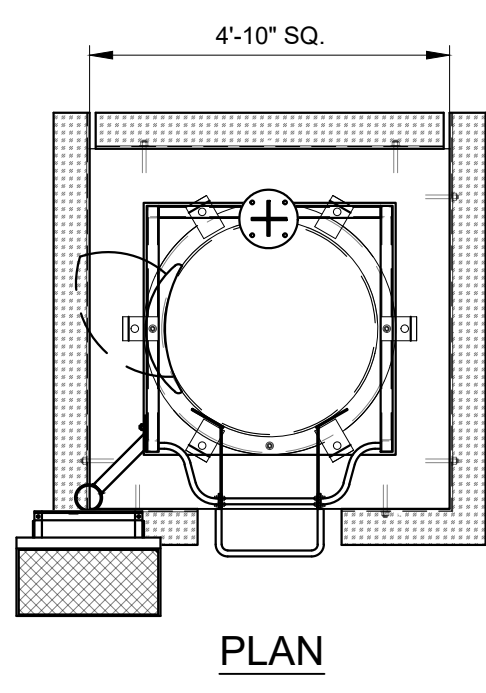
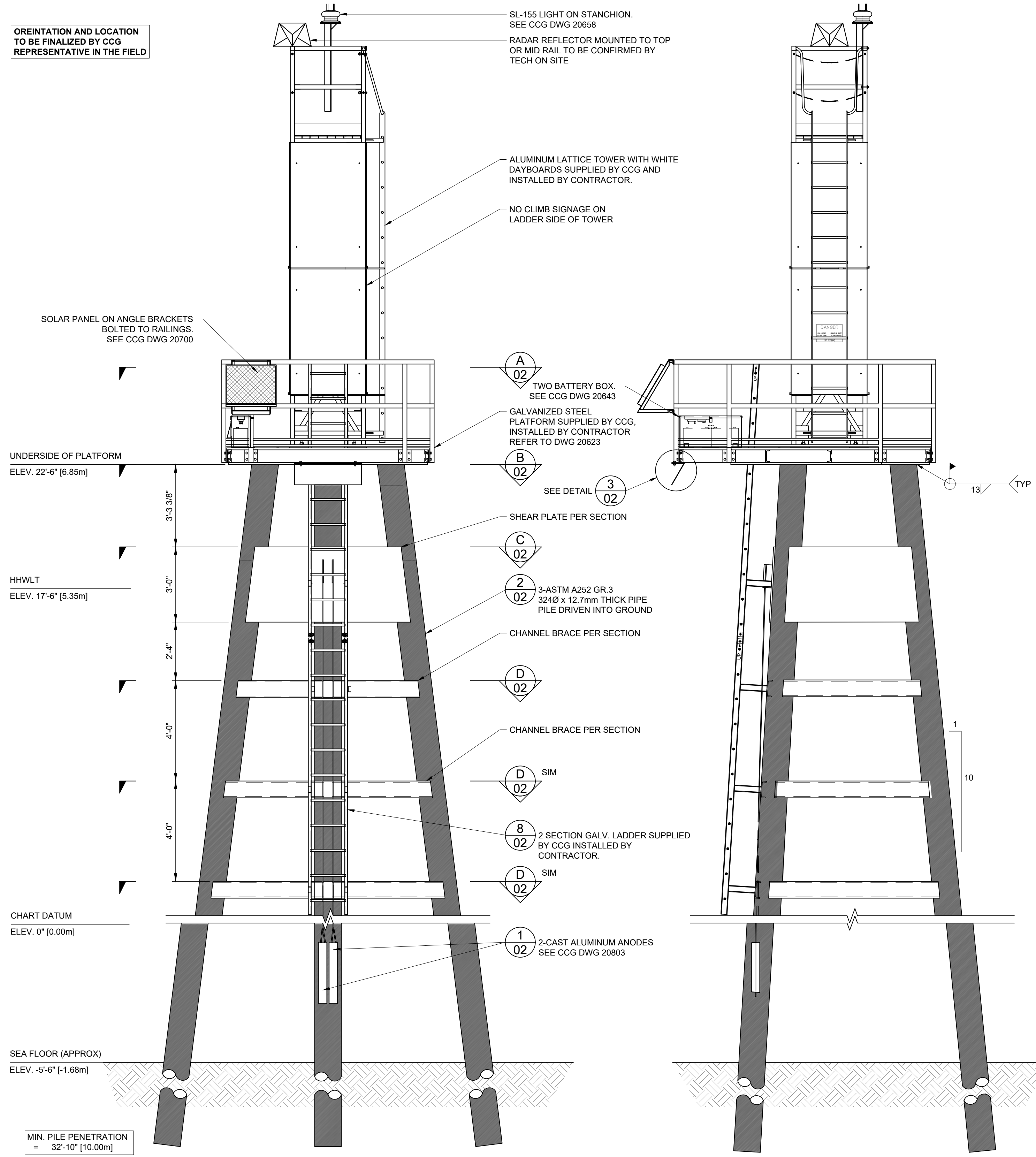
1. THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER APPLICABLE CONSTRUCTION DOCUMENTS. DEVIATION OF PROJECT CONSTRUCTION IS NOT ACCEPTABLE UNLESS INSTRUCTED BY THE ENGINEER.
2. ALL INFORMATION CONCERNING EXISTING SITE CONDITIONS HAVE BEEN TAKEN FROM ORIGINAL DRAWINGS AND SITE MEASUREMENTS. SHOULD INFORMATION OR SITE CONDITIONS DIFFER SIGNIFICANTLY FROM THAT SHOWN, ADVISE CCG ENGINEERING.
3. DO NOT COMMENCE CONSTRUCTION USING THESE DRAWINGS UNLESS NOTED "FOR CONSTRUCTION".
4. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE 2015 AND REFERENCED STANDARDS THEREIN.
5. DRAWINGS SHOW COMPLETED STRUCTURES ONLY. CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY STRUCTURES AND BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.
6. IT IS THE DISCRETION OF THE ENGINEER TO CONDUCT INSPECTIONS OR ACCEPT PHOTOS OF REINFORCING PRIOR TO THE PLACEMENT OF CONCRETE.
7. THREADROD EPOXY INSTALLATION IS TO BE MILT HY-200 U.N.O. OR ENGINEERING APPROVED ALTERNATE.
8. IT IS THE DISCRETION OF THE ENGINEER TO CONDUCT THE PULL TESTS IF NECESSARY.

STRUCTURAL STEEL - CCG

1. SUPPLY, FABRICATION, ERECTION, STRUCTURAL DESIGN AND DETAILING OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA-S16
2. ALL WELDING SHALL CONFORM TO CSA W58 AND SHALL BE PERFORMED BY FABRICATORS FULLY APPROVED BY THE CANADIAN WELDING BUREAU UNDER CSA W47.1 FOR DIVISION 2
3. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
 1. CHANNELS, ANGLES AND PLATE: CAN/CSA-G40.21, GR. 300W
 2. HSS SECTIONS: CAN/CSA-G40.21, GR. 350W
 3. COLD FORMED METAL: CAN/CSA-S136
 4. STRUCTURAL BOLTS: ASTM-A325
 5. ANCHOR RODS: ASTM-A307 GALVANIZED OR ASTM A193 SS
4. ALL STRUCTURAL STEEL TO RECEIVE ONE SHOP COAT OF CISC/CPMA 2-75 QUICK DRYING RED OXIDE SHOP PRIMER EXCEPT PARTS EMBEDDED IN CONCRETE SHALL NOT TO BE PAINTED.
5. ALL CONNECTIONS ARE TO BE DESIGNED BY THE FABRICATOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS. CONNECTION DESIGN SHALL BE IN ACCORDANCE WITH THE SPECIFICATION.
6. BEAM CONNECTIONS SHALL BE STANDARD FRAME CONNECTIONS OR EQUAL PROPORTIONED FOR 60% OF THE VERTICAL SHEAR CORRESPONDING TO THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM.
7. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED PRIOR TO FABRICATION. SUBMIT 4 COPIES OF SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND FIT UP OF ALL COMPONENTS.
8. BOLTS SHALL BE 3/4" DIAMETER AND BE DESIGNED FOR THREAD INJECTED BEARING TYPE CONNECTION U.N.O.
9. GRIND ALL WELDS AND EDGES SMOOTH AS REQUIRED
10. ALL WELDS SHALL BE 1/4" CONTINUOUS FILLET WELDS U.N.O.
11. HOT DIP GALVANIZING TO A123M MIN COATING 600g/m².
12. ALL TOUCH UP AND FIELD WELDS TO BE CLEANED AND PAINTED WITH ZINC RICH COLD GALVANIZING TO A780M.



ORIENTATION AND LOCATION TO BE FINALIZED BY CCG REPRESENTATIVE IN THE FIELD



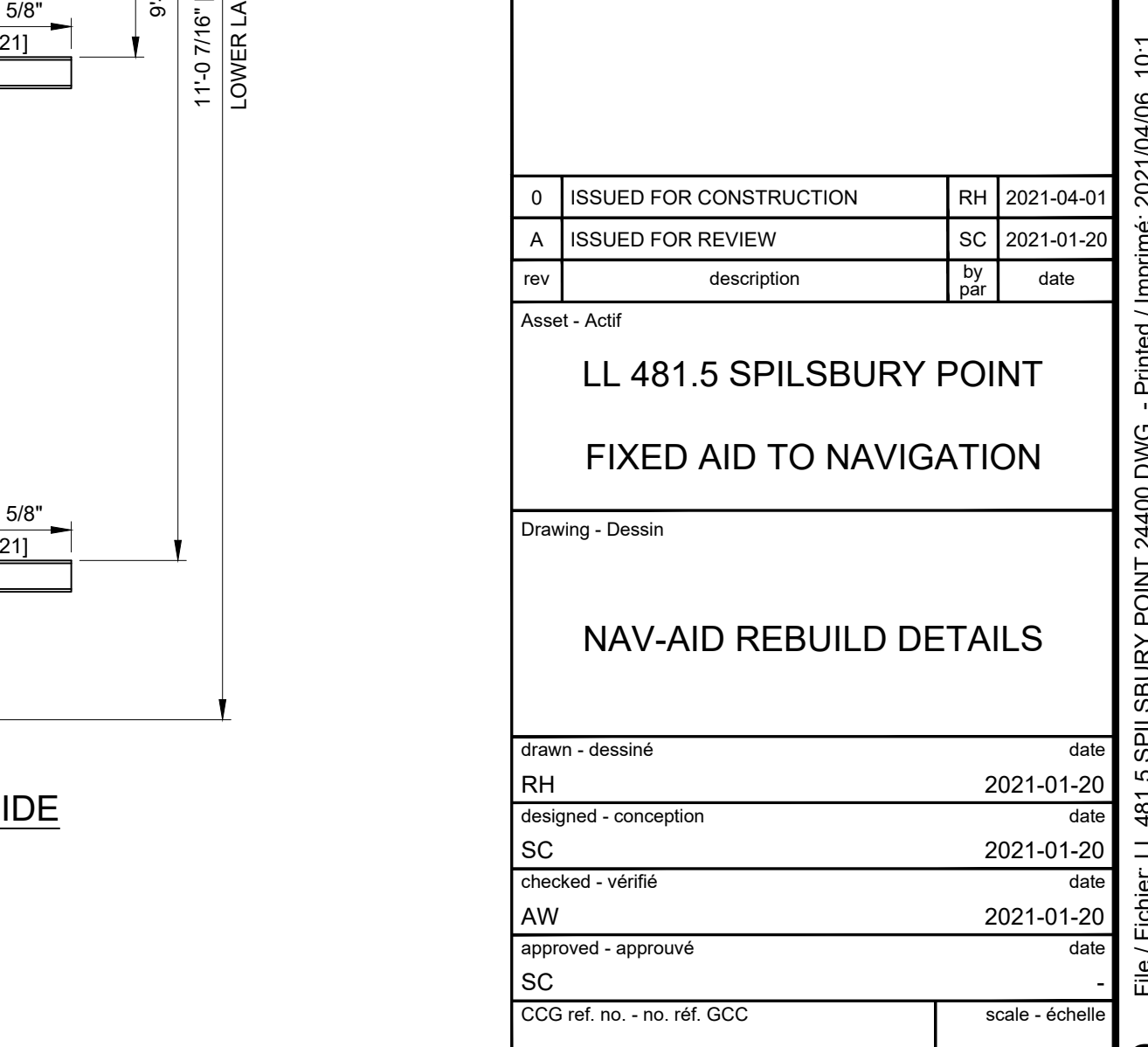
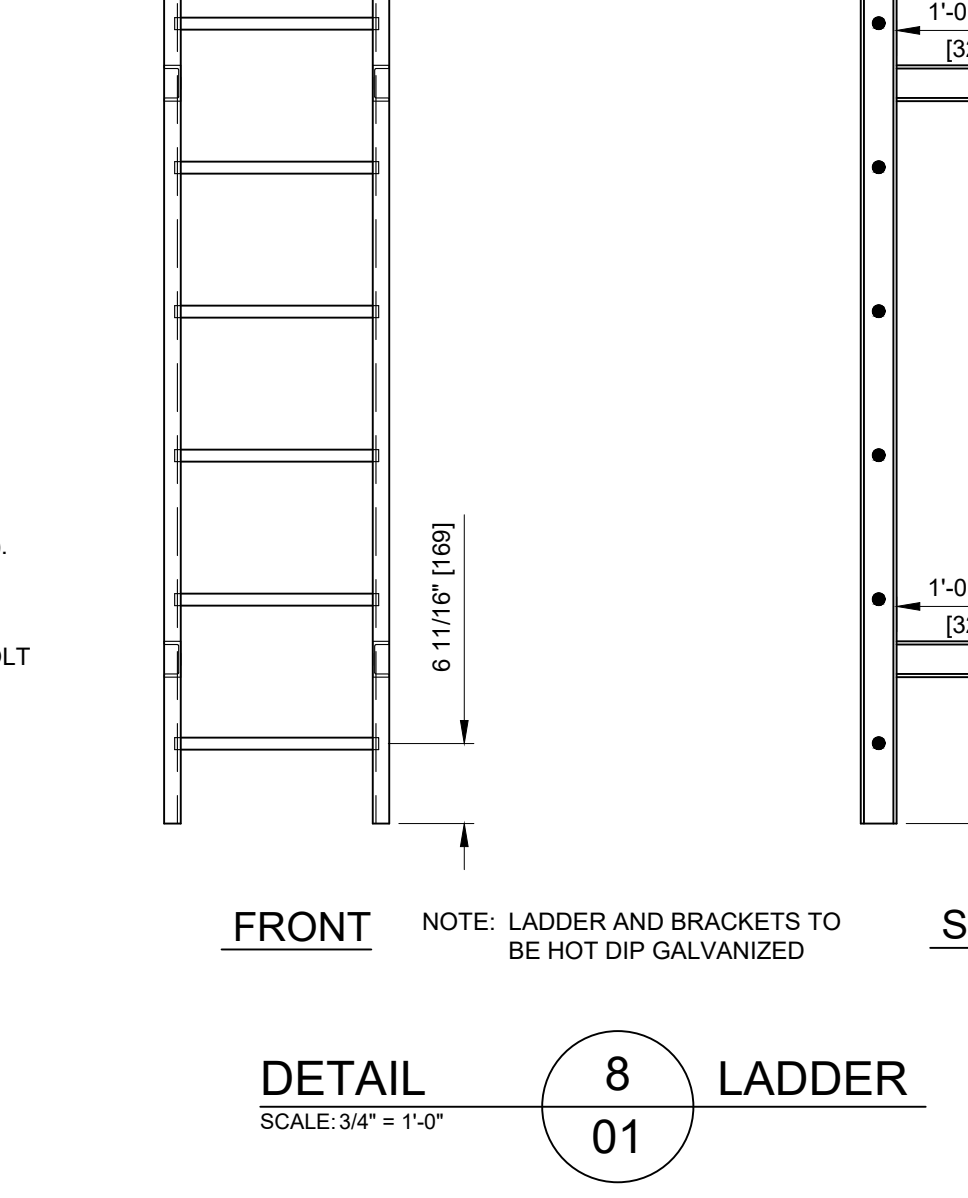
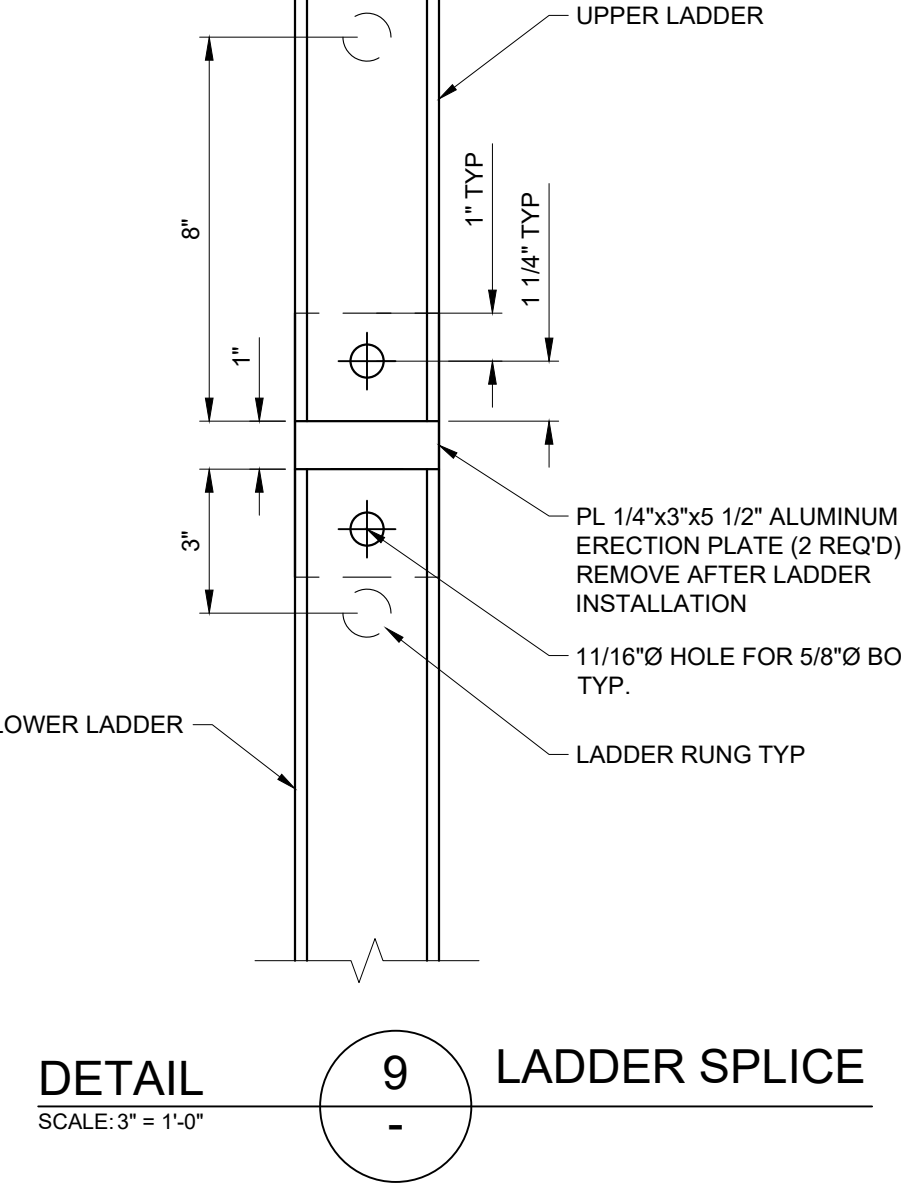
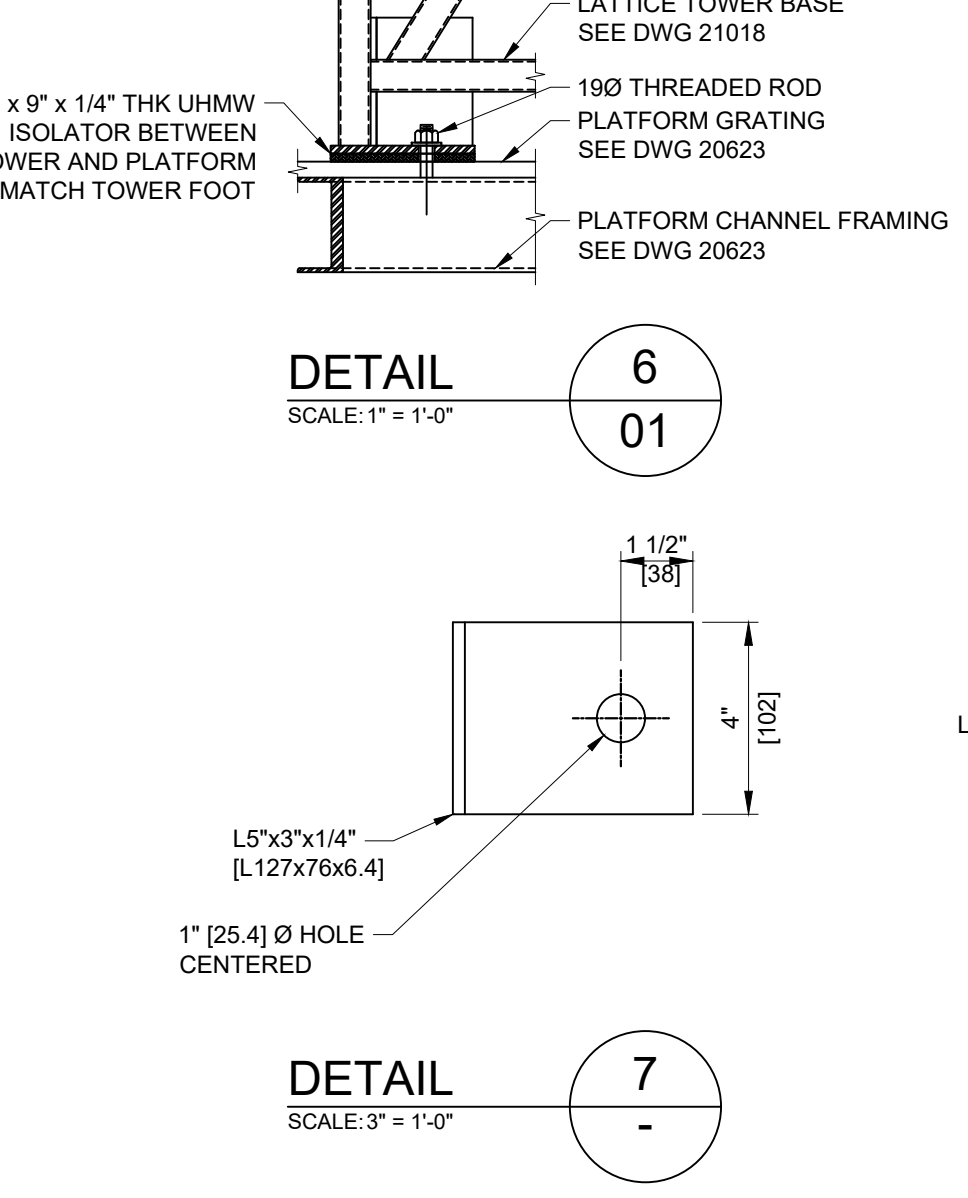
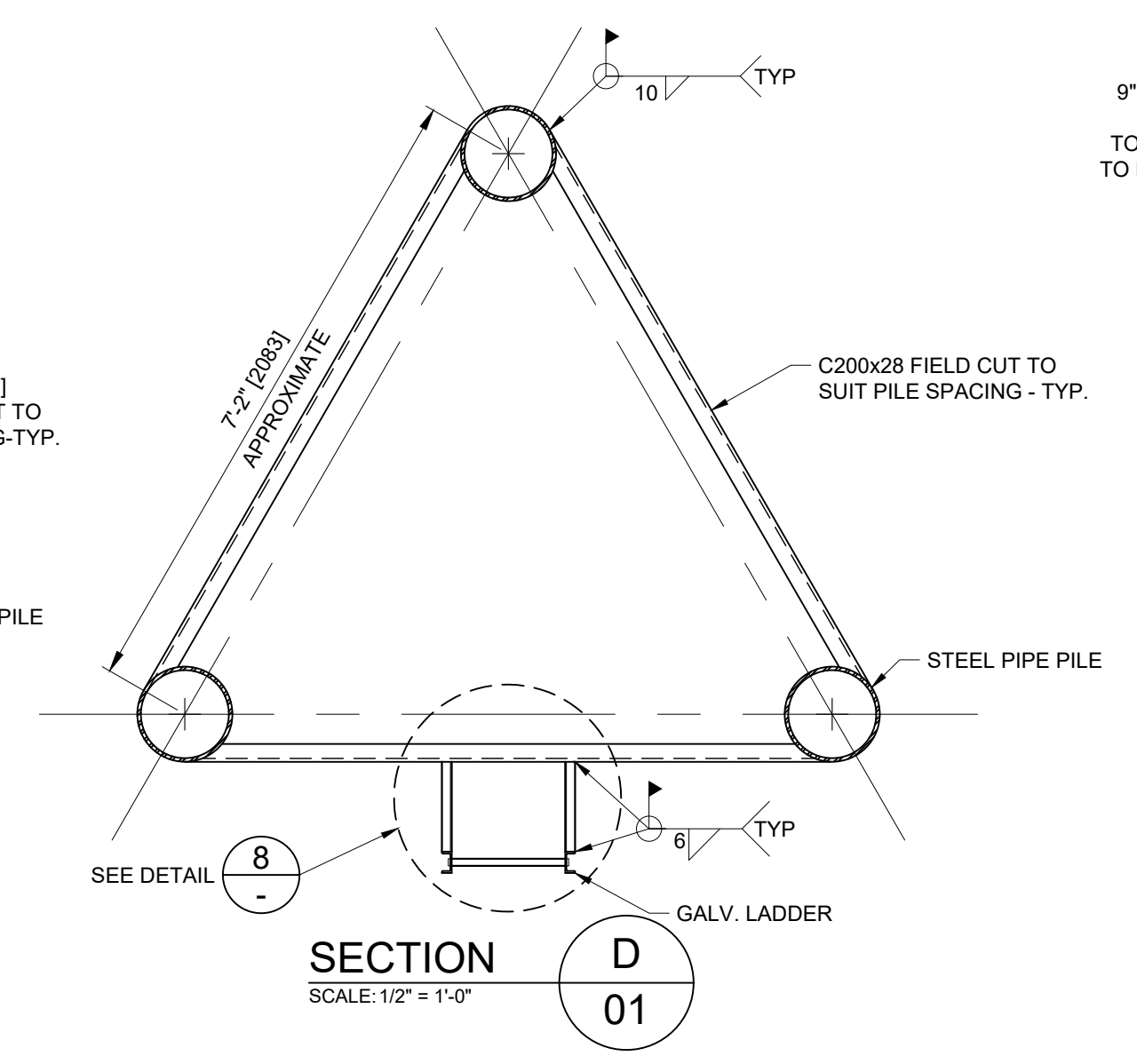
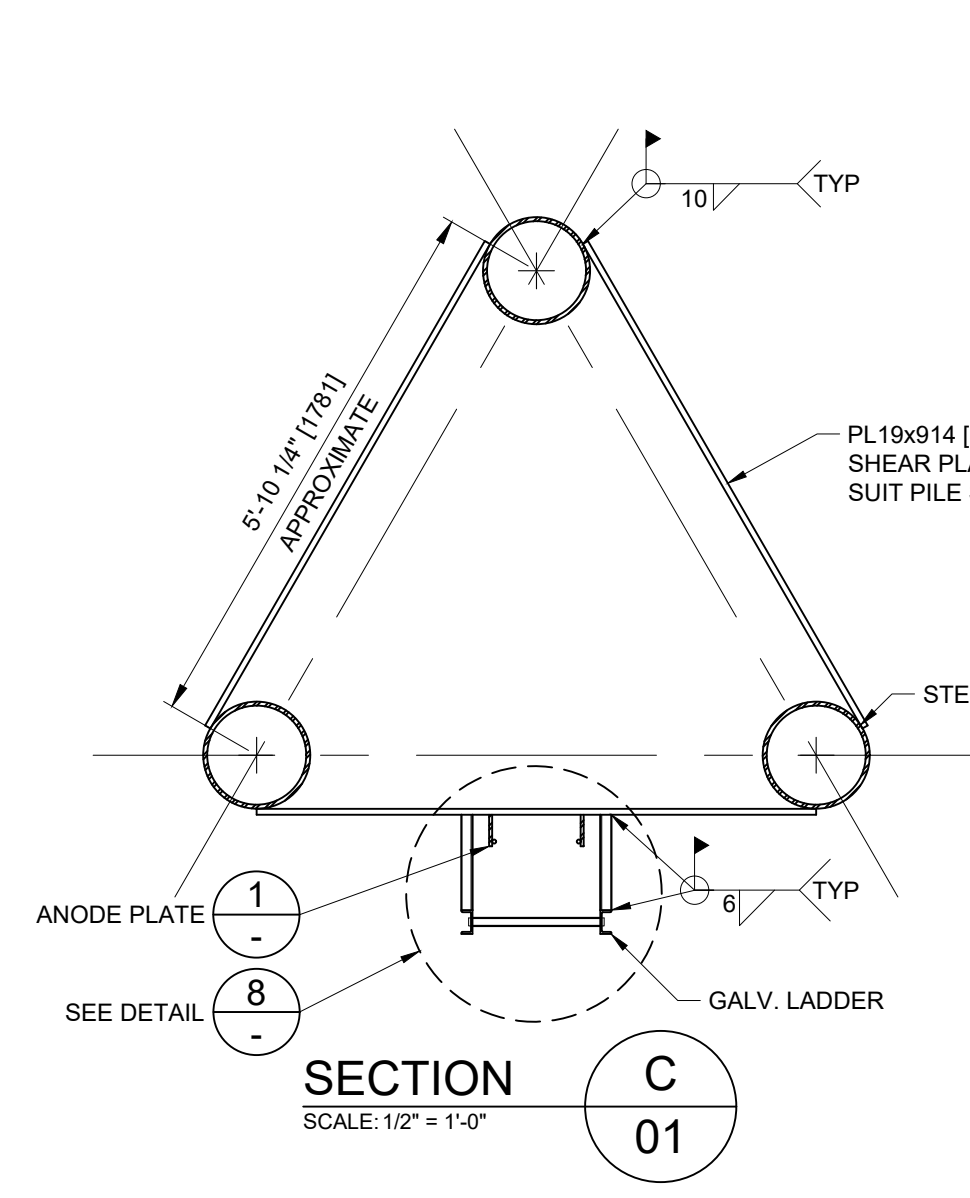
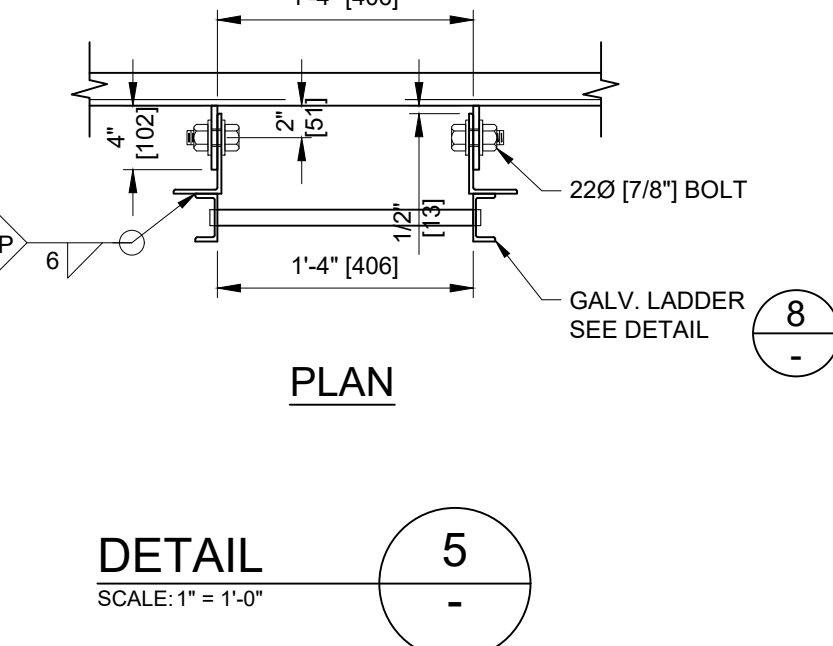
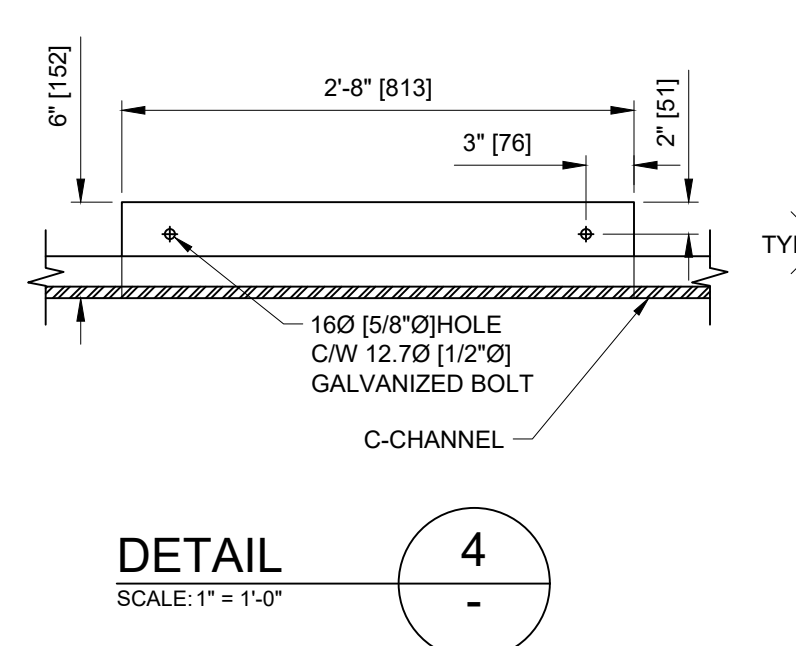
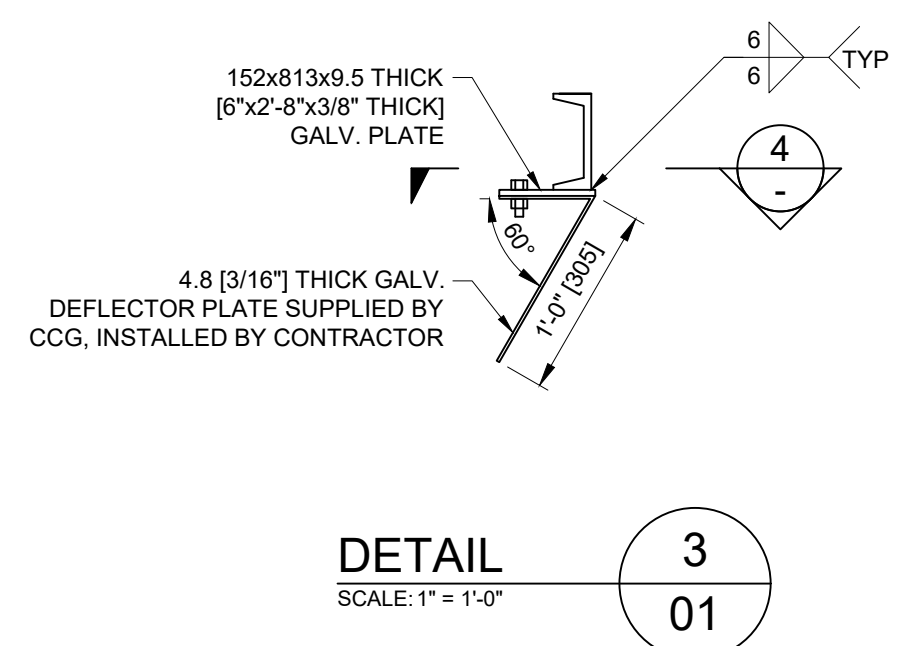
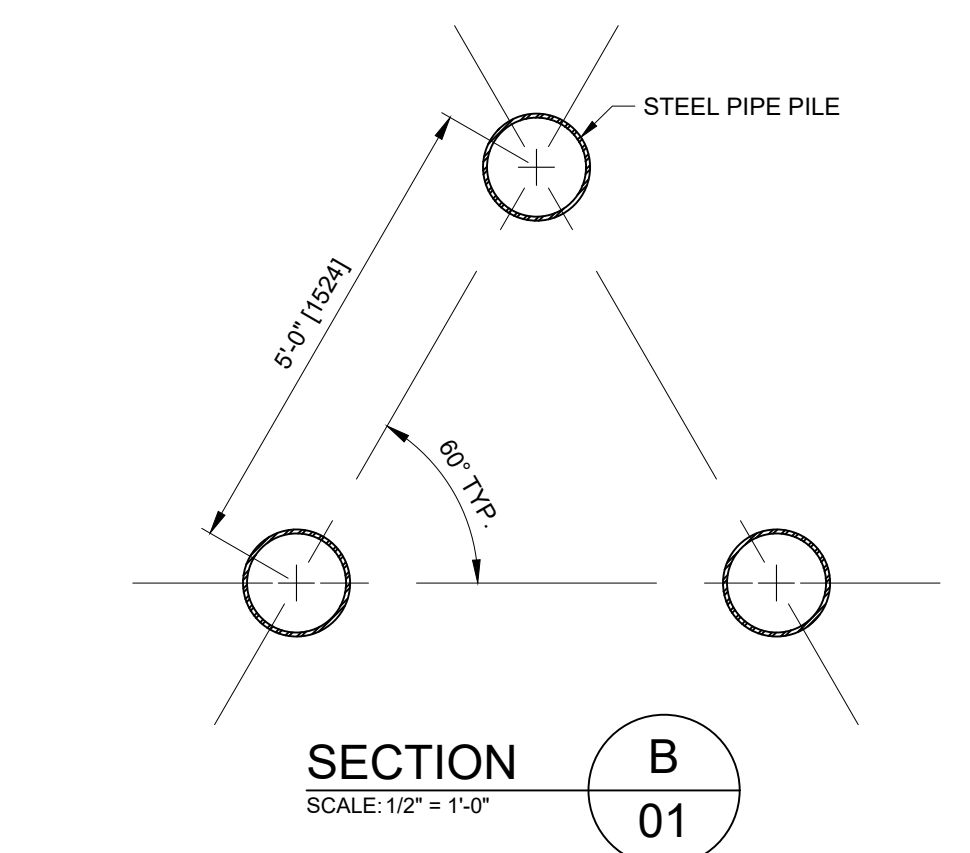
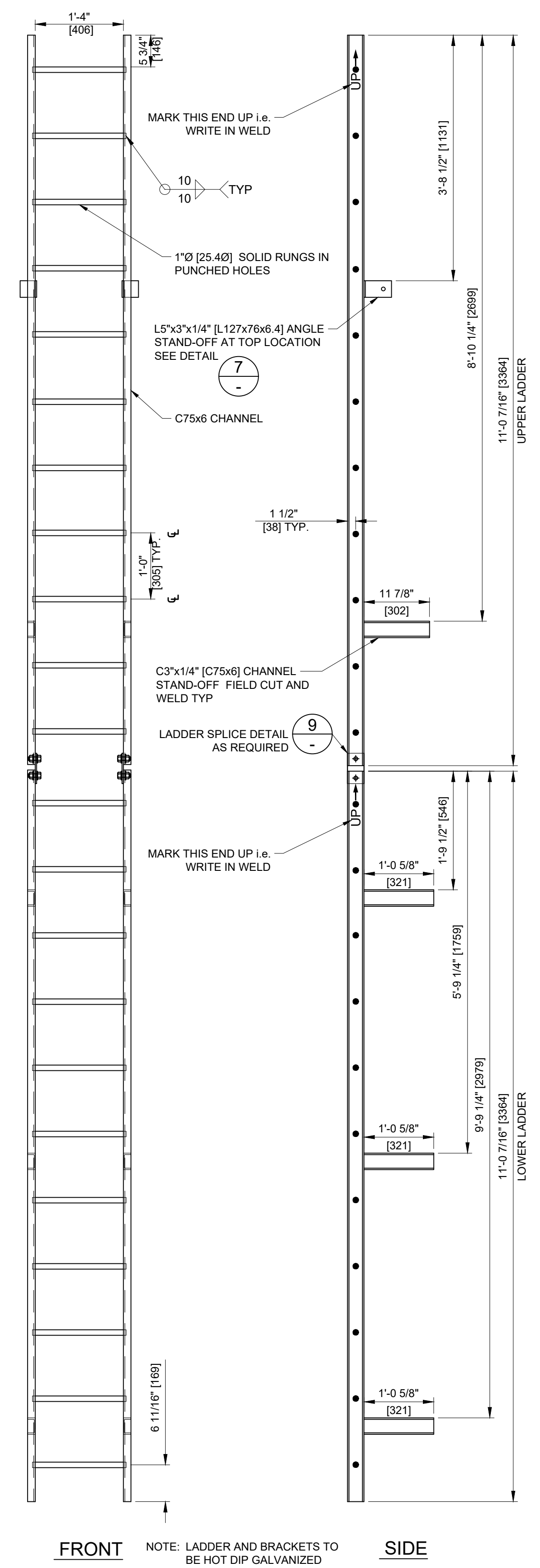
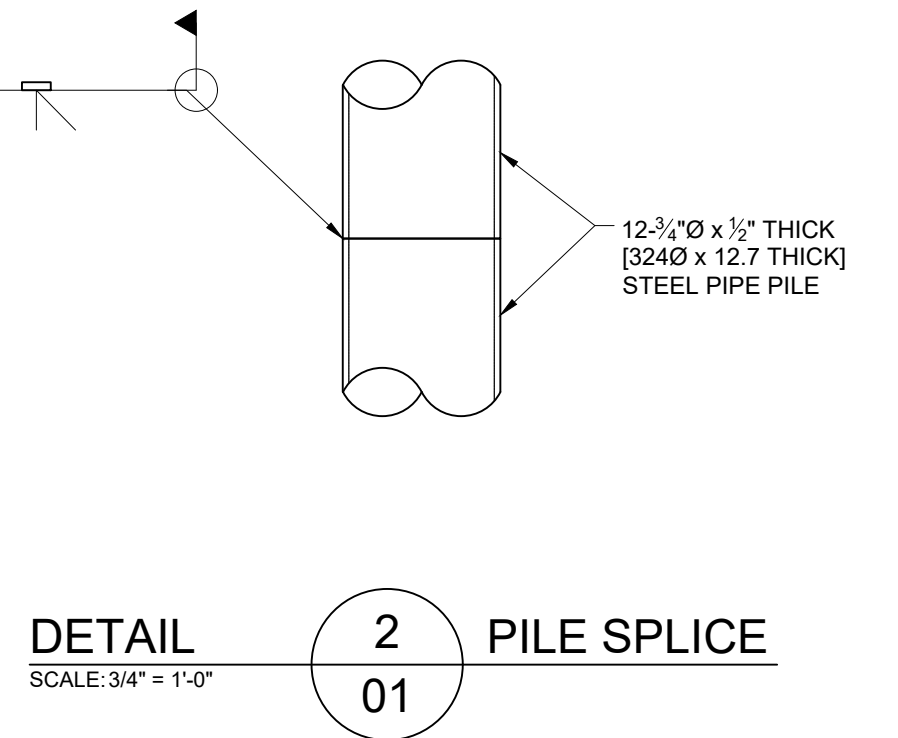
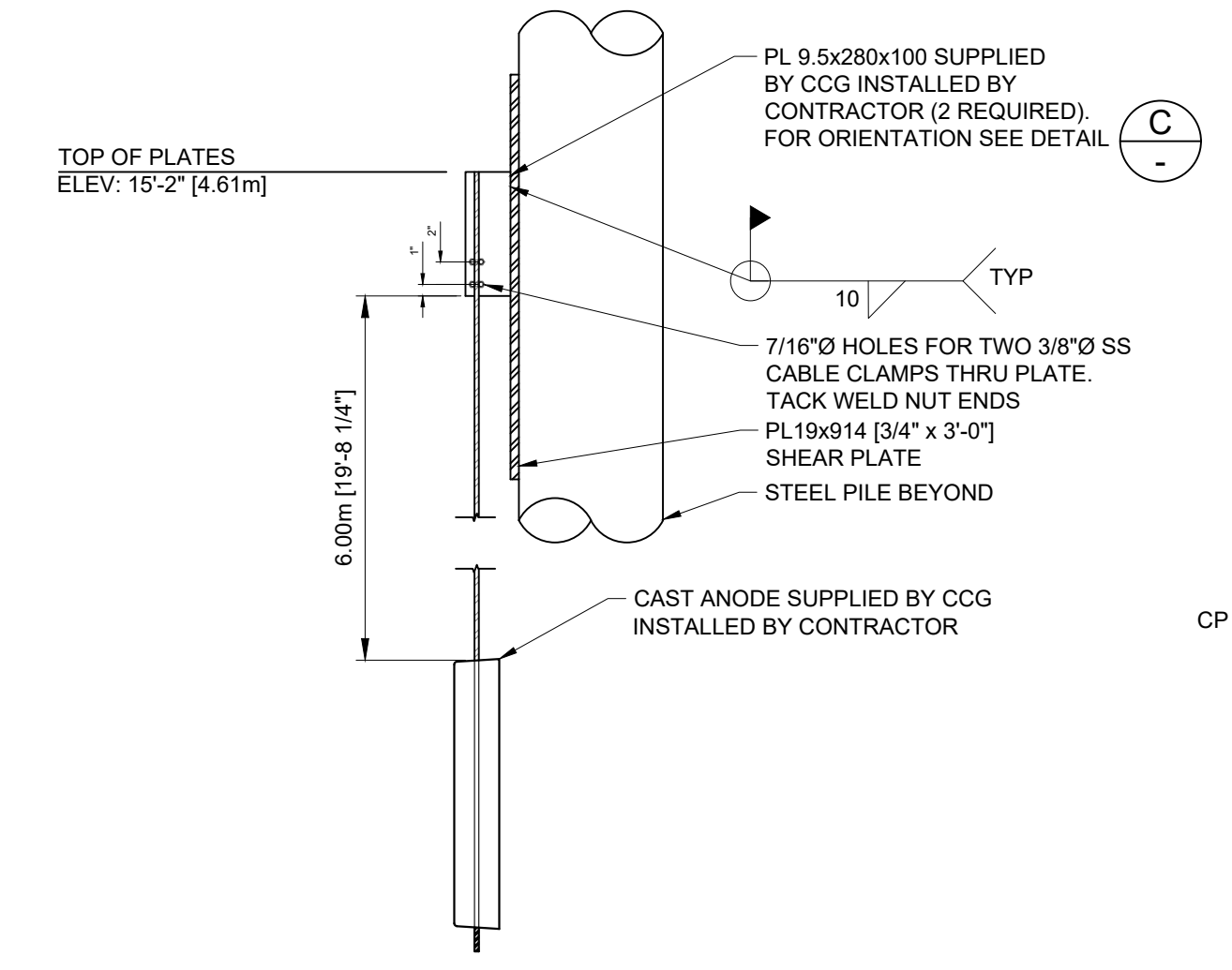
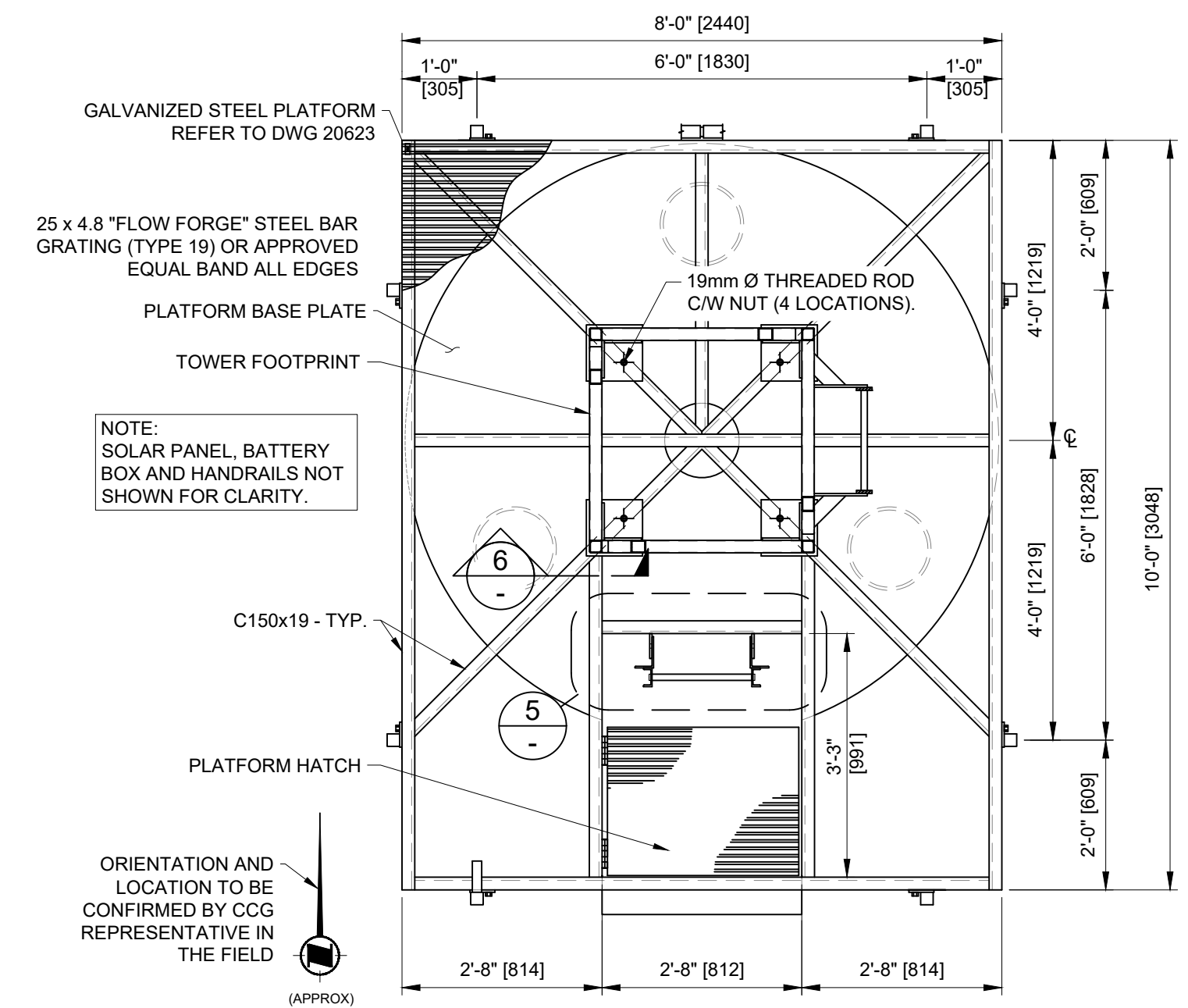
EXISTING 1 12' REFURBISHED FRP TOWER
 SCALE: 3/8" = 1'-0"

PROPOSED 2 3 STEEL PILE DOLPHIN
 SCALE: 3/8" = 1'-0"

DESIGN CRITERIA			
1. LOAD CASE: HARBOUR CONDITIONS			
0	ISSUED FOR CONSTRUCTION	RH	2021-04-01
A	ISSUED FOR REVIEW	SC	2021-01-20
rev	description	by	date
Asset - Actif			
LL 481.5 SPILSBURY POINT			
FIXED AID TO NAVIGATION			
Drawing - Dessin			
NAV-AID REBUILD			
drawn - dessiné		date	
RH		2021-01-20	
designed - conception		date	
SC		2021-01-20	
checked - vérifié		date	
AW		2021-01-20	
approved - approuvé		date	
SC			
CCG ref. no. - no. ref. GCC		scale - échelle	
A6180 - 20084		AS SHOWN	
drawing no. - no. dessin		sheet/feuille	rev/rév
24400		01/02	A

24400

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0	ISSUED FOR CONSTRUCTION	RH	2021-04-01
A	ISSUED FOR REVIEW	SC	2021-01-20
rev	description	by	date
Asset - Actif			
LL 481.5 SPILSBURY POINT			
FIXED AID TO NAVIGATION			
Drawing - Dessin			
NAV-AID REBUILD DETAILS			
drawn - dessiné		date	
RH		2021-01-20	
designed - conception		date	
SC		2021-01-20	
checked - vérifié		date	
AW		2021-01-20	
approved - approuvé		date	
SC			
CCG ref. no. - no. ref. GCC		scale - échelle	
A6180 - 20084		AS SHOWN	
drawing no. - no. dessin		sheet-feuille	rev-rév
24400		02/02	A