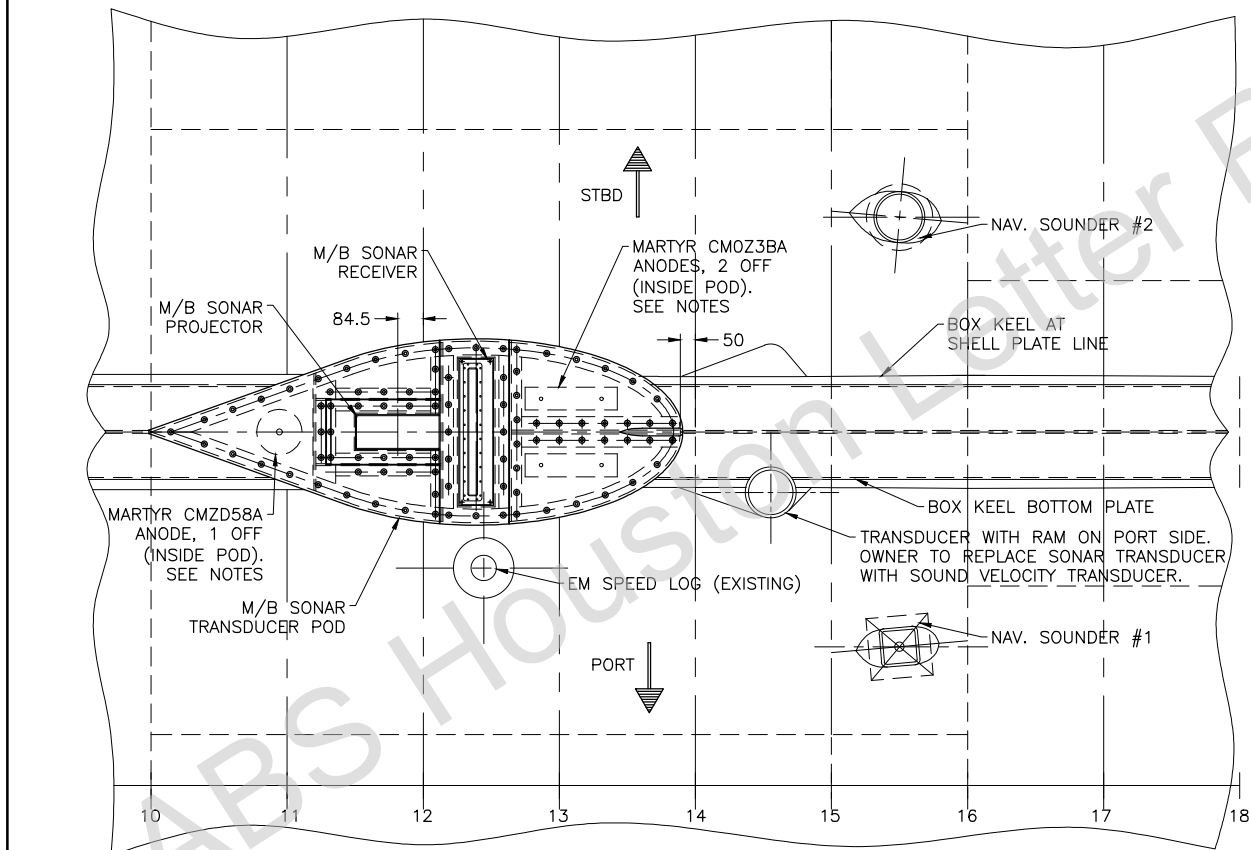
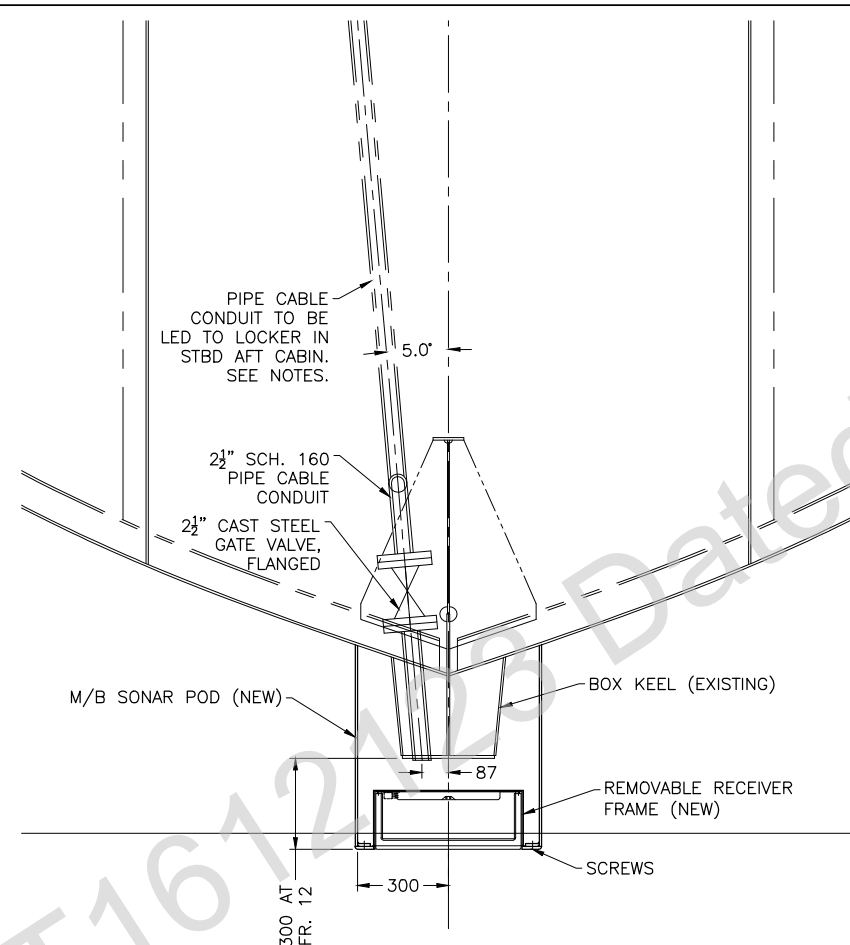


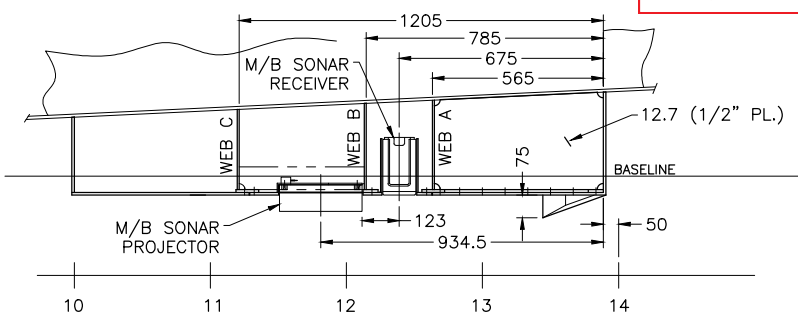
TRANSUDCER POD - VIEW ON STBD SIDE



TRANSUDCER POD - VIEW FROM BELOW



M/B SONAR TRANSDUCER POD
SECTION AT RECEIVER



TRANSUDCER POD - ELEVATION ON C.L.

No.	REVISION	DATE
1	OWNER'S COMMENTS INCORPORATED, GENERAL UPDATE	JAN 2, 2017

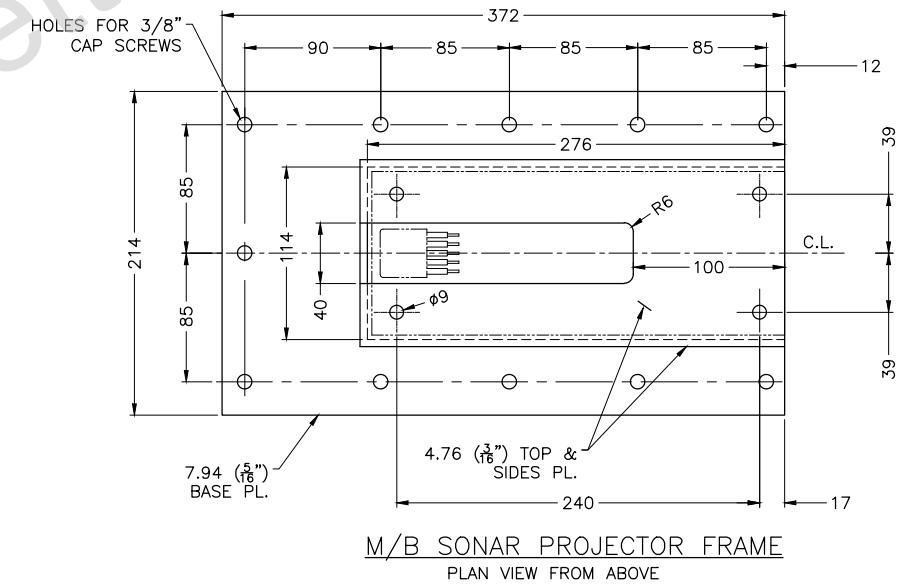
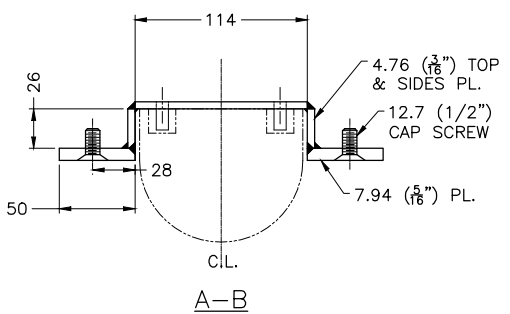
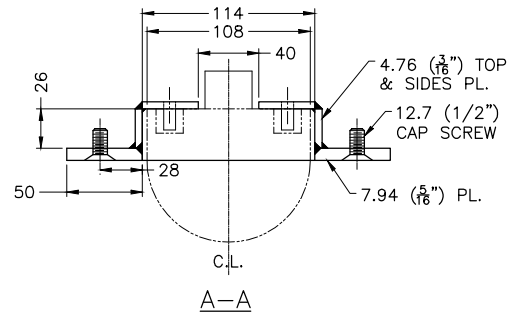
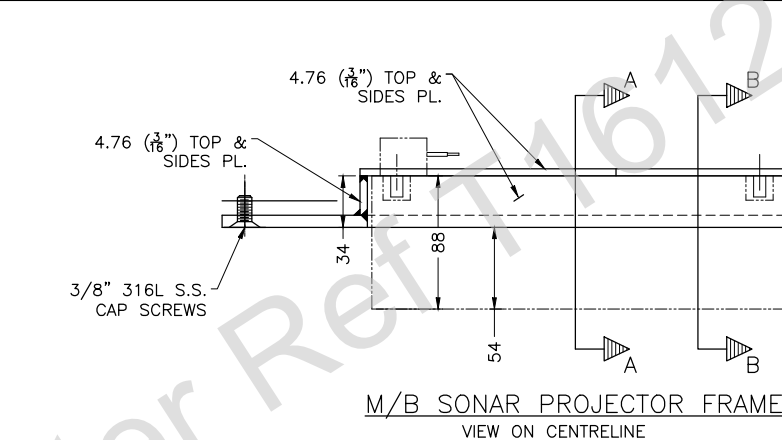
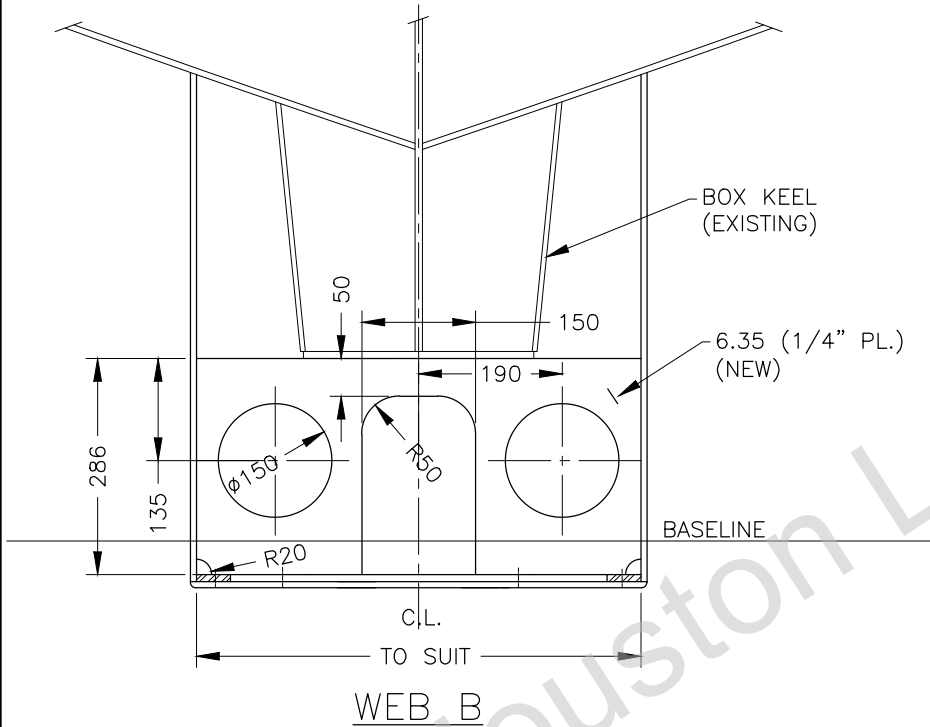
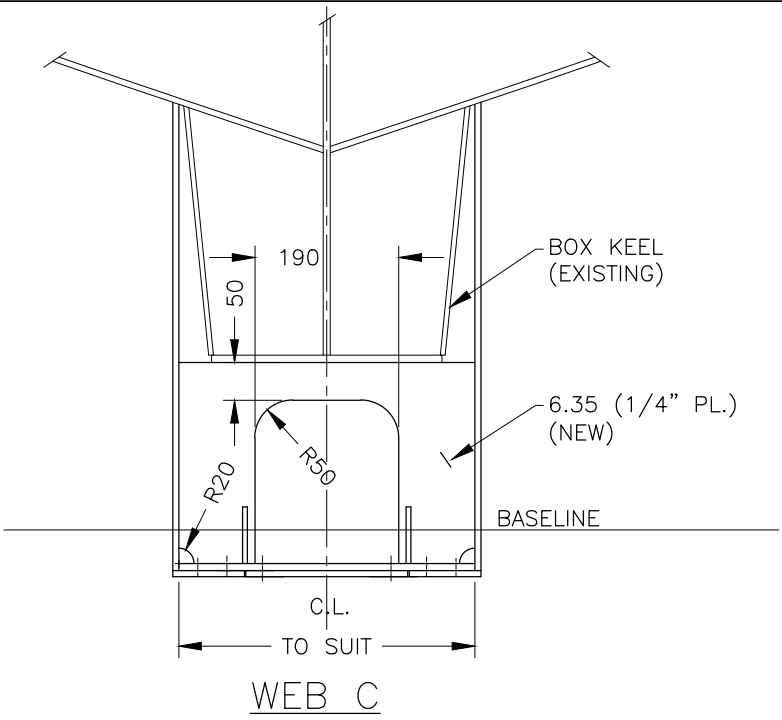
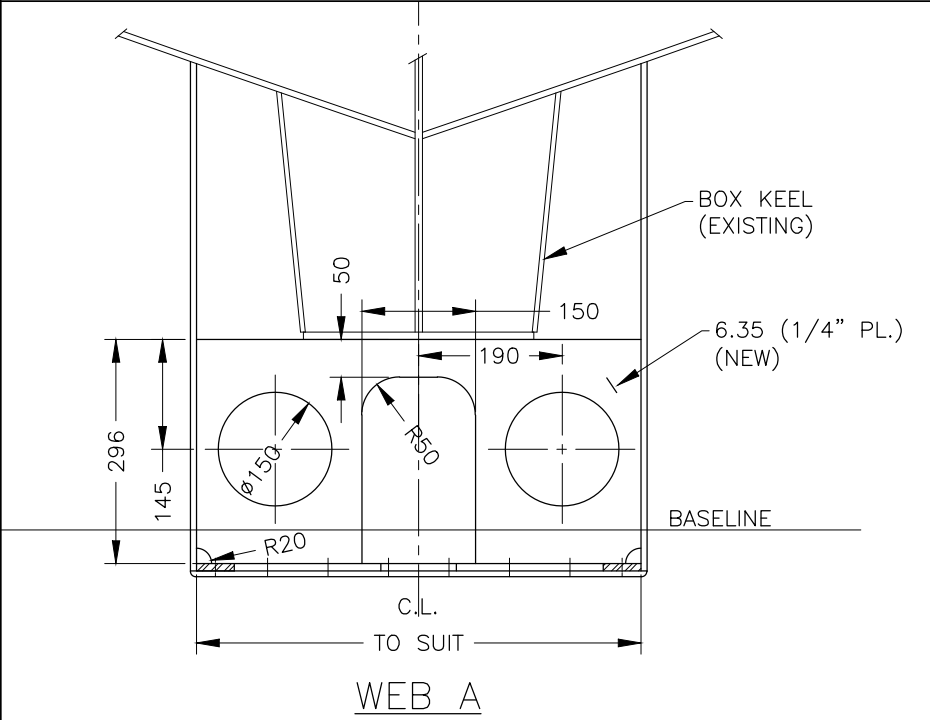
NEW WORK NOTES:

- 1) CONTRACTOR IS TO FABRICATE AND INSTALL A NEW TRANSDUCER POD ENCOMPASSING MULTI-BEAM SONAR PROJECTOR AND RECEIVER AS INDICATED ON THIS DRAWING. POD IS NOT WATERTIGHT AS THE SONAR RECEIVER IS COOLED BY WATER INSIDE THE POD.
- 2) ALL STEEL IS TO BE ABS GRADE A OR EQUIVALENT AND IS TO BE APPROVED BY CLASS.
- 3) SHAPE OF POD IS TO BE AS INDICATED ON THIS DRAWING. THE POD IS TO BE VERTICAL SIDED AND NOTCHED IN WAY OF THE EXISTING BOX KEEL AS SHOWN.
- 4) ALL WELDING IS TO BE 5MM LEG DOUBLE CONTINUOUS FILLET WELDS UNLESS NOTED OTHERWISE ON THIS DRAWING. WHERE ACCESS FOR WELDING BOTH SIDES IS NOT AVAILABLE, THE MINIMUM FILLET WELD LEG SIZE IS TO BE 7MM.
- 5) THE CONTRACTOR IS TO CONFIRM ALL DIMENSIONS OF RECEIVER AND PROJECTOR, INCLUDING BOLT SIZES AND LOCATIONS, PRIOR TO COMMENCING FABRICATION OF THE POD.
- 6) CABLE CONDUIT THROUGH BOX KEEL IS TO BE WELDED FULL PENETRATION FROM ONE SIDE ONLY, AT BOTTOM OF KEEL PLATE AND TOPSIDE OF HULL PLATE.
- 7) ALL SCREW HOLES ARE TO BE MATCH DRILLED BETWEEN REMOVABLE FRAMES, CLOSING PLATES AND POD BOTTOM FRAMEWORK.
- 8) SCREWS ARE TO BE 1/2" (12.7) 316L STAINLESS STEEL CAP SCREWS. ANTI-SEIZE COMPOUND OR PLUMBERS TAPE IS TO BE APPLIED TO ALL SCREWS TO MINIMIZE RISK OF GALLING.
- 9) SACRIFICIAL ANODES ARE TO BE FASTENED TO STUDS WELDED TO INSIDE OF CLOSING PLATES. ANODES ARE TO BE LOCATED AS INDICATED ON THIS DRAWING. ANODES ARE TO BE MARTYR M2 ALUMINUM ANODES OR EQUIVALENT.
- 10) ALL SURFACES INSIDE THE TRANSDUCER POD, INCLUDING INSIDE OF CABLE CONDUIT ARE TO BE COATED TO SAME STANDARD AS HULL PLATE. ANTI-FOULING IS TO BE APPLIED TO ALL SURFACES TO SAME STANDARD AS HULL PLATE.
- 11) DAMAGE TO INTERNAL COATINGS DUE TO HOT WORK ARE TO BE REPAIRED BY CONTRACTOR TO SAME STANDARD AS EXISTING.
- 12) CABLE CONDUIT GATE VALVE IS TO BE LOCATED AS CLOSE TO SHELL PLATE AS POSSIBLE.
- 13) LOCKER IN STARBOARD AFT CABIN IS TO BE RETURNED TO ORIGINAL STANDARD WITH NEW INSULATION. EXISTING LOCKER LININGS ARE TO BE MODIFIED TO SUIT NEW CABLE CONDUIT.



PROJECT:		RV DAVID THOMPSON		
PARKS CANADA UNDERWATER ARCHAEOLOGY				
CLIENT:				
PARKS CANADA AGENCY				
TITLE:				
TRANSDUCER COMPARTMENT NEW TRANSDUCER POD				
DRAWN BY: TAH		CHECKED BY:	DRAWING NO:	REV:
DATE: DEC. 19, 16		APPROVED BY:	296-T1-2	1
SCALE: 1:25		FILENAME: 296-T1-2_1	Sht. 1 of 6	
HALL MARINE DESIGN LTD.				
NAVAL ARCHITECTS AND MARINE CONSULTANTS				
MAPLE RIDGE, BC, CANADA				
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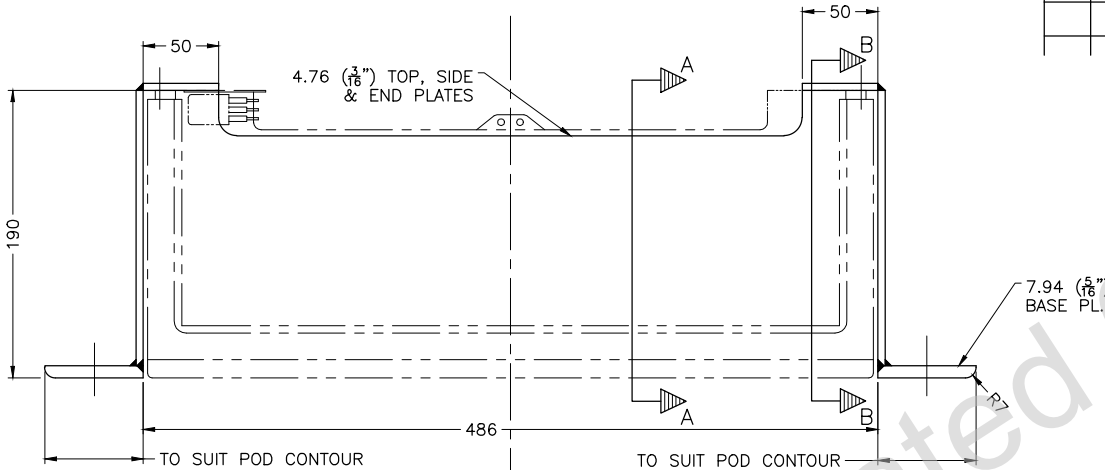
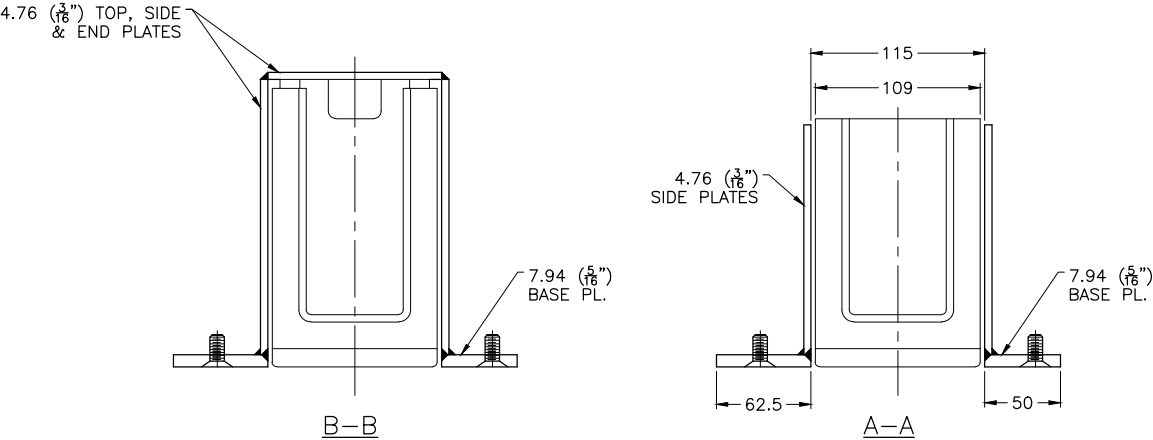
PROJECTOR FRAME WELDING:

1) ALL WELDING IS TO BE CONTINUOUS FILLET OR DOUBLE FILLET WELDING, AS APPLICABLE. MINIMUM LEG LENGTH IS TO BE 4MM.

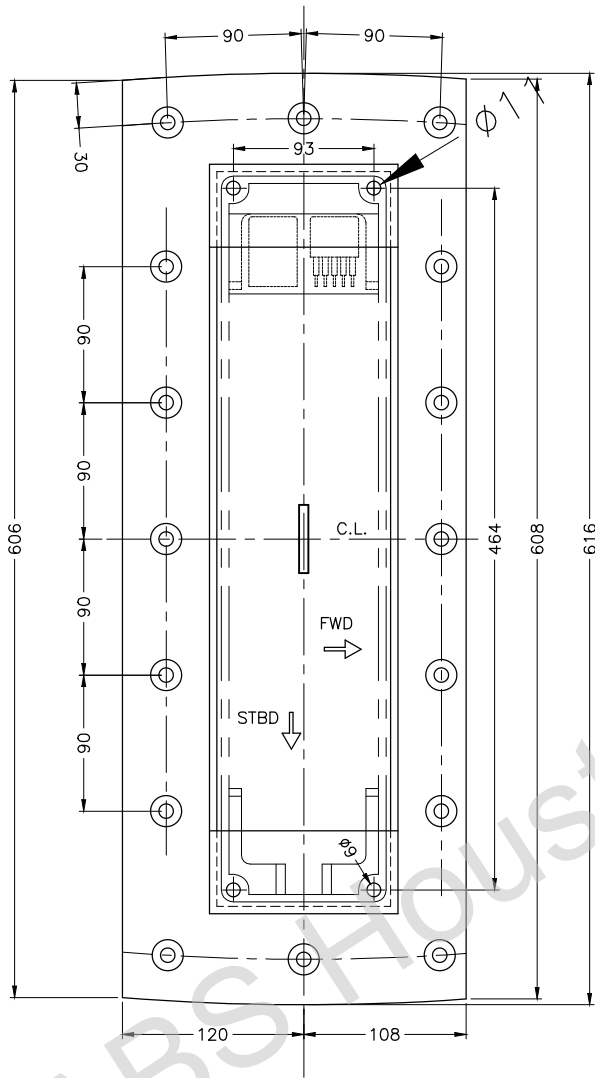
2) WELDS ARE TO BE GROUND TO AVOID CONTACT WITH PROJECTOR FRAME.

PROJECT:		RV DAVID THOMPSON	
CLIENT:		PARKS CANADA UNDERWATER ARCHAEOLOGY	
TITLE:		TRANSUDER COMPARTMENT NEW TRANSUDER POD	
DRAWN BY:	TAH	CHECKED BY:	
DATE:	DEC. 19, 16	APPROVED BY:	
SCALE:	1:10 & 1:5	FILENAME:	296-T1-2_1
DRAWING NO:		296-T1-2	
REV:		Sht. 2 of 6	
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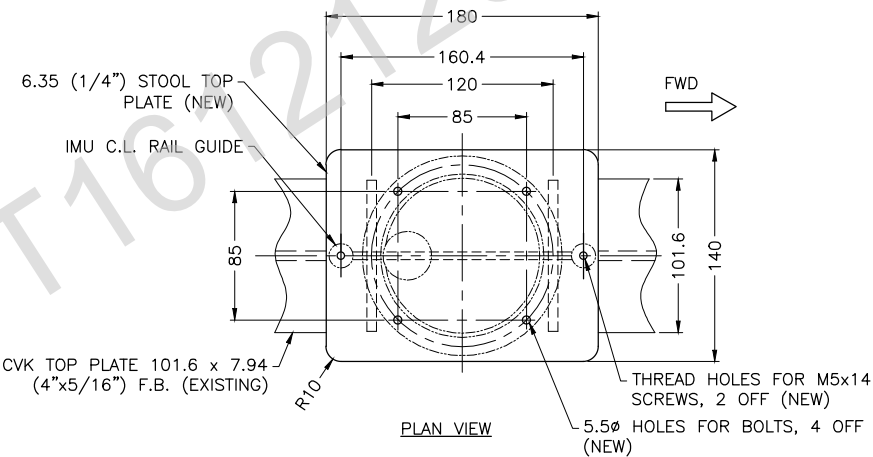
M/B SONAR RECEIVER FRAME
LOOKING FORWARD



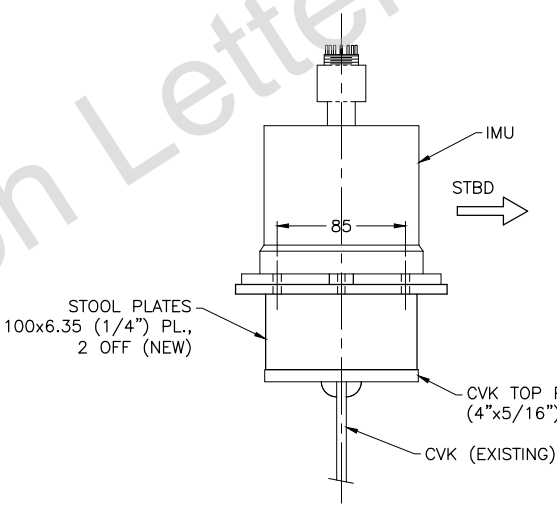
M/B SONAR RECEIVER FRAME
PLAN VIEW FROM ABOVE

RECEIVER FRAME WELDING:

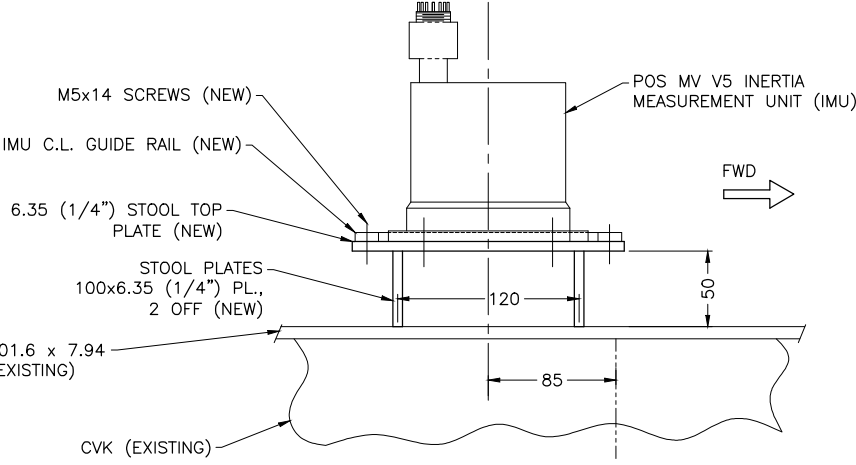
- 1) ALL WELDING IS TO BE CONTINUOUS FILLET OR DOUBLE FILLET WELDING, AS APPLICABLE. MINIMUM LEG LENGTH IS TO BE 4MM.
- 2) WELDS ARE TO BE GROUND TO AVOID CONTACT WITH RECEIVER FRAME.



PLAN VIEW



SECTION LOOKING FWD



ELEVATION ON CENTRE VERTICAL KEEL

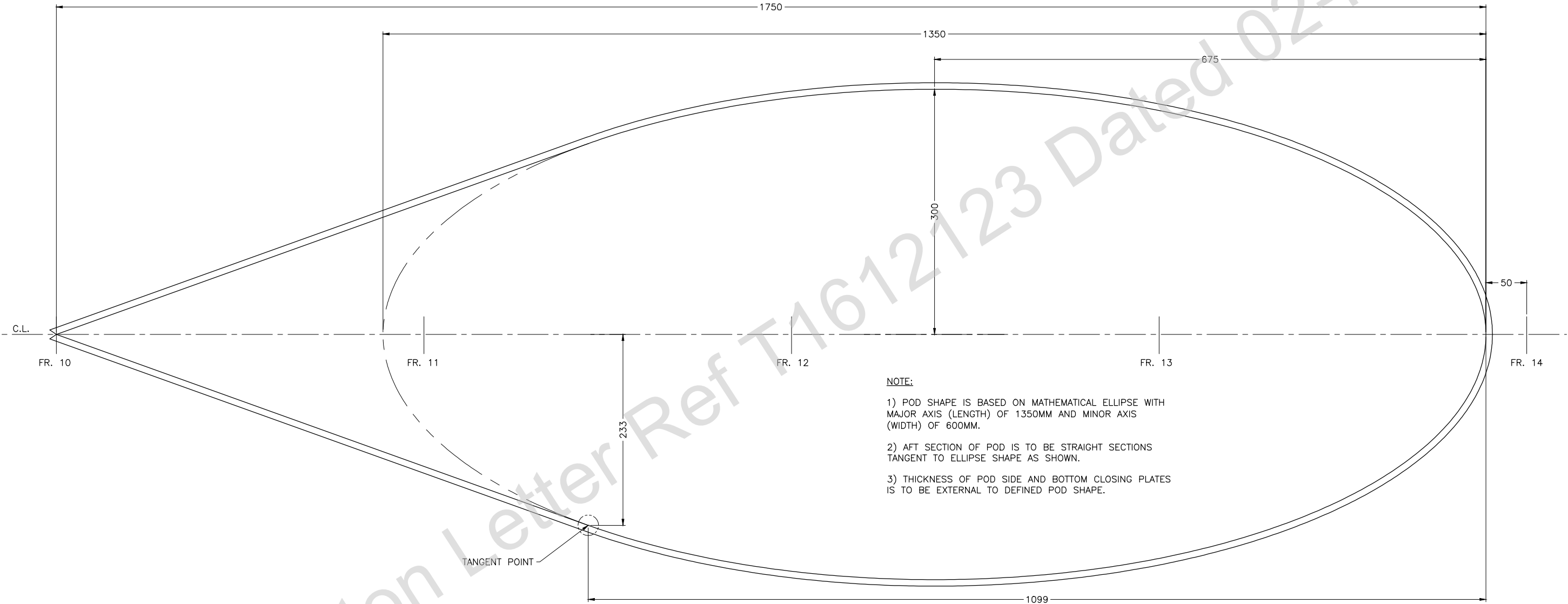
IMU STOOL WELDING:

- 1) ALL WELDING IS TO BE DOUBLE CONTINUOUS FILLET WELDING. MINIMUM LEG LENGTH IS TO BE 4MM.

PROJECT:		RV DAVID THOMPSON	
CLIENT:		PARKS CANADA UNDERWATER ARCHAEOLOGY	
TITLE:		PARKS CANADA AGENCY	
DRAWN BY:		TAH	
DATE:		DEC. 19, 16	
SCALE:		1:5	
CHECKED BY:		APPROVED BY:	
FILENAME:		296-T1-2_1	
DRAWING NO:		296-T1-2	
REV:		1	
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INERTIAL MEASUREMENT UNIT (IMU) STOOL

No.	REVISION	DATE
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NOTE:

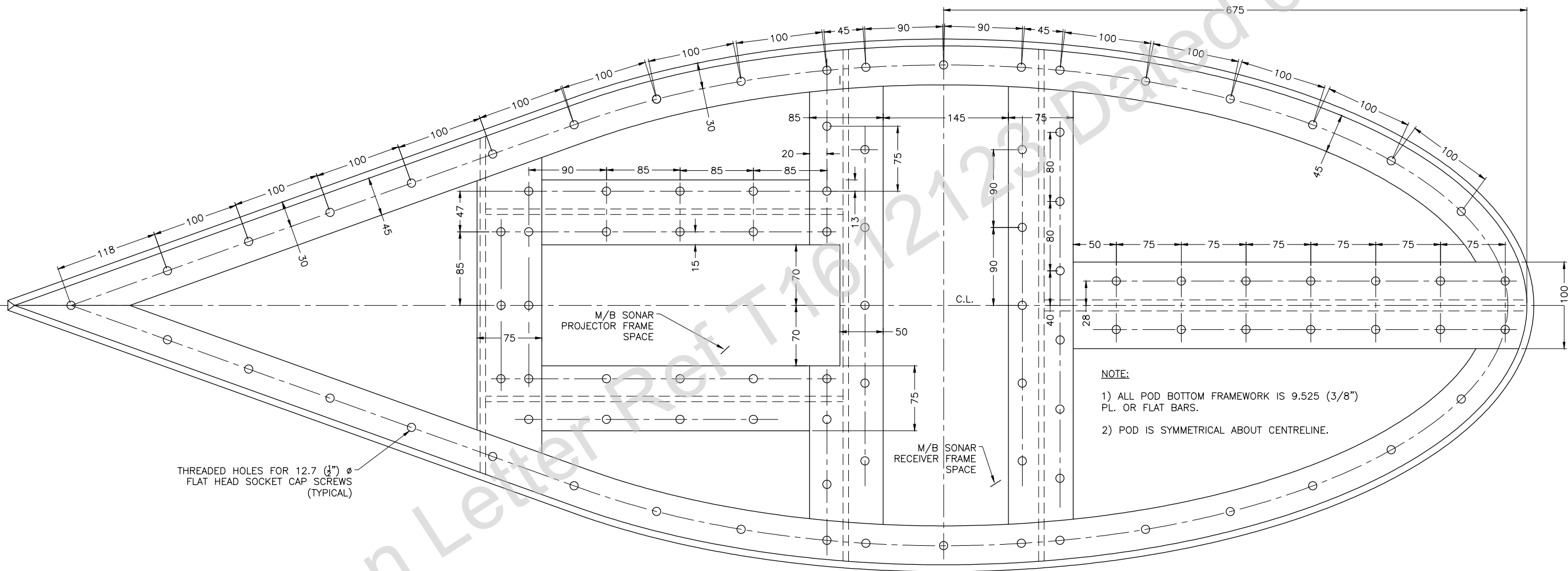
1) POD SHAPE IS BASED ON MATHEMATICAL ELLIPSE WITH MAJOR AXIS (LENGTH) OF 1350MM AND MINOR AXIS (WIDTH) OF 600MM.

2) AFT SECTION OF POD IS TO BE STRAIGHT SECTIONS TANGENT TO ELLIPSE SHAPE AS SHOWN.

3) THICKNESS OF POD SIDE AND BOTTOM CLOSING PLATES IS TO BE EXTERNAL TO DEFINED POD SHAPE.

PROJECT:		RV DAVID THOMPSON PARKS CANADA UNDERWATER ARCHAEOLOGY		
CLIENT:		PARKS CANADA AGENCY		
TITLE:		TRANSDUCER COMPARTMENT NEW TRANSDUCER POD		
DRAWN BY:	TAH	CHECKED BY:	DRAWING NO:	REV:
DATE:	DEC. 19, 16	APPROVED BY:	296-T1-2	1
SCALE:	1:5	FILENAME:	296-T1-2_1	Sht. 4 of 6
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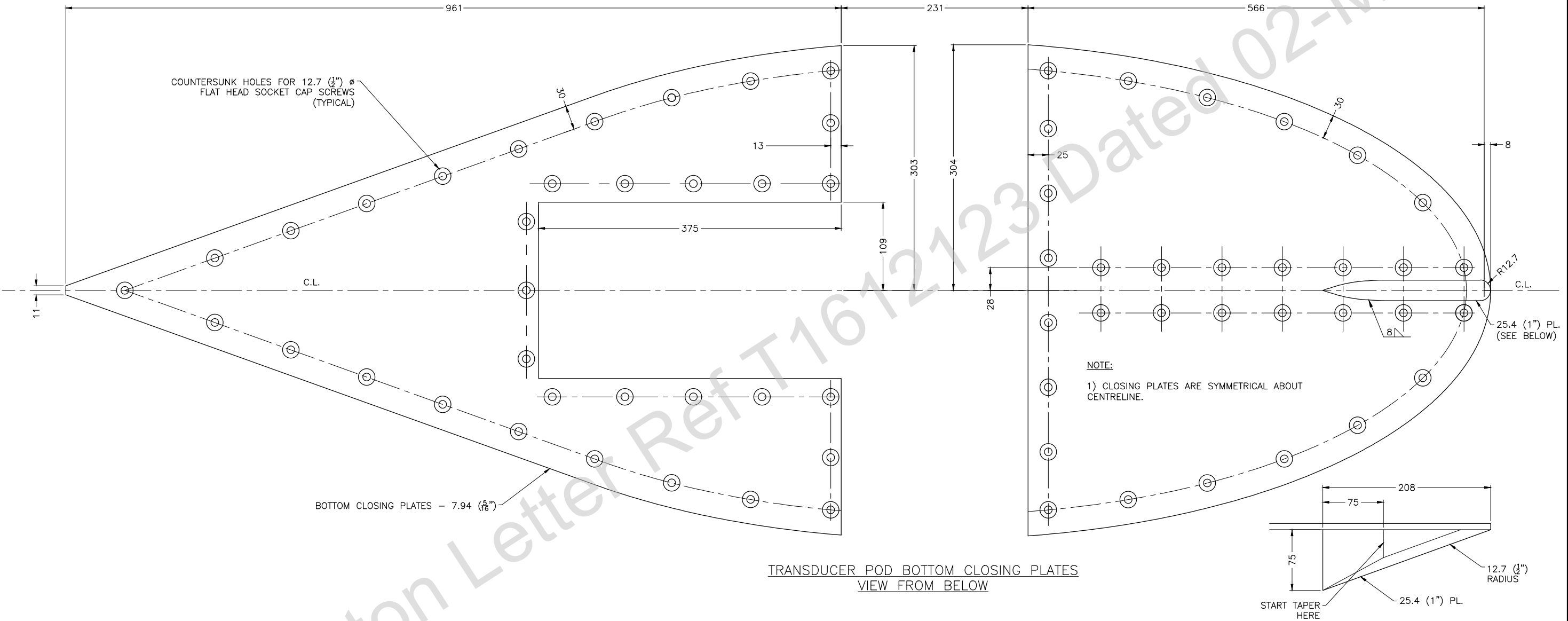
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TRANSDUCER POD BOTTOM FRAMEWORK
VIEW FROM BELOW

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CLIENT:		PARKS CANADA AGENCY		
TITLE:		TRANSDUCER COMPARTMENT NEW TRANSDUCER POD		
DRAWN BY:	TAH	CHECKED BY:	DRAWING NO: 296-T2-2 Sht. 5 of 6	REV: 1
DATE:	DEC. 19, 16	APPROVED BY:		
SCALE:	1:5	FILENAME: 296-T1-2_1		
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TRANSDUCER POD BOTTOM CLOSING PLATES
VIEW FROM BELOW

PROJECT:		RV DAVID THOMPSON PARKS CANADA UNDERWATER ARCHAEOLOGY		
CLIENT:		PARKS CANADA AGENCY		
TITLE:		TRANSDUCER COMPARTMENT NEW TRANSDUCER POD		
DRAWN BY:	TAH	CHECKED BY:	DRAWING NO:	REV:
DATE:	DEC. 19, 16	APPROVED BY:	296-T1-2	1
SCALE:	1:5	FILENAME:	296-T1-2_1	Sht. 6 of 6
HALL MARINE DESIGN LTD.				
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