USS LA SALLE (AGF-3)

LUBE OIL AND HOT WELL ASSESSMENT SURVEY MACHINERY ROOM ONE

A SEMAT II PIPING AND HOT WELL WALL THICKNESS SURVEY IN MACHINERY ROOM ONE WAS CONDUCTED ON BOARD THE USS LA SALLE (AGF-3) IN GAETA, ITALY FROM 8 – 25 JULY 2002.

THE ASSESSMENT WAS CONDUCTED IN ACCORDANCE WITH MRC 2531/1 FOR PIPING SYSTEMS, AND APPLICABLE SECTIONS OF MIP SERIES 1102 FOR THE HOT WELL PLATING. THE INSTRUMENT USED WAS A KRAUTKRAMER MODEL DMS ULTRASONIC THICKNESS TEST INSTRUMENT SERIAL NUMBER 700744, CALIBRATED 6 JUNE 2002.

THE LUBE OIL RETURN PIPING FROM THE FORWARD AND AFTER BEARINGS OF THE HP AND LP TURBINES TO THE SUMP WERE GAUGED. THERE WERE NO UNSATISFACTORY READINGS.

THE HOT WELL WAS SURVEYED ON A TWO-FOOT GRID WHERE THE PLATING WAS ACCESSABLE. TO DATE, I HAVE BEEN UNABLE TO LOCATE A DRAWING GIVING THE PLATE THICKNESS. I CAN ONLY MAKE AN ASSUMPTION AS TO THE PLATE THICKNESS.

ASSUMPTION NUMBER ONE:
IF THE PLATE IS 3/8-INCH (0.375) WITH A MINIMUM THICKNESS FOR PLATE OF 0.287, THERE IS A LOW READING OF 0.287 AND ONE OF 0.297. THEN THERE IS A THINNED AREA.

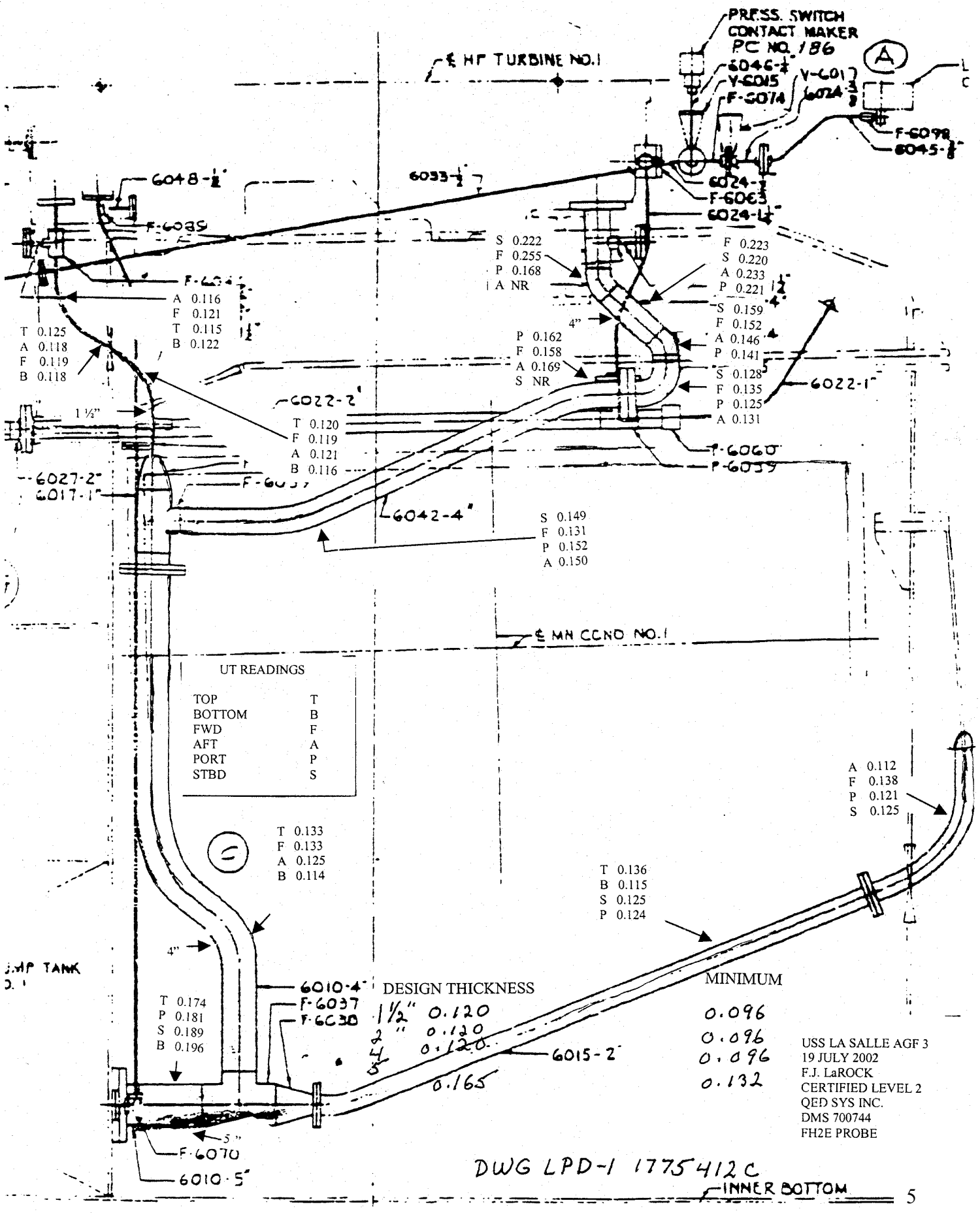
ASSUMPTION NUMBER TWO:
IF THE PLATE IS 5/16-INCH (0.313) WITH A MINIMUM THICKNESS FOR PLATE OF 0.234, THERE ARE NO LOW READINGS. THE TREND OF THE READING IS FOR 5/16-INCH PLATE. THE THREE READINGS ABOVE 0.313 COULD HAVE BEEN ON INTERNAL STRUCTURE WELDS, WHICH IS NORMAL FOR A WELD WITH A GOOD BOND.

WITHOUT A BLUEPRINT, I CANNOT MAKE A REPAIR RECOMMENDATION.

Francis J. LaRock

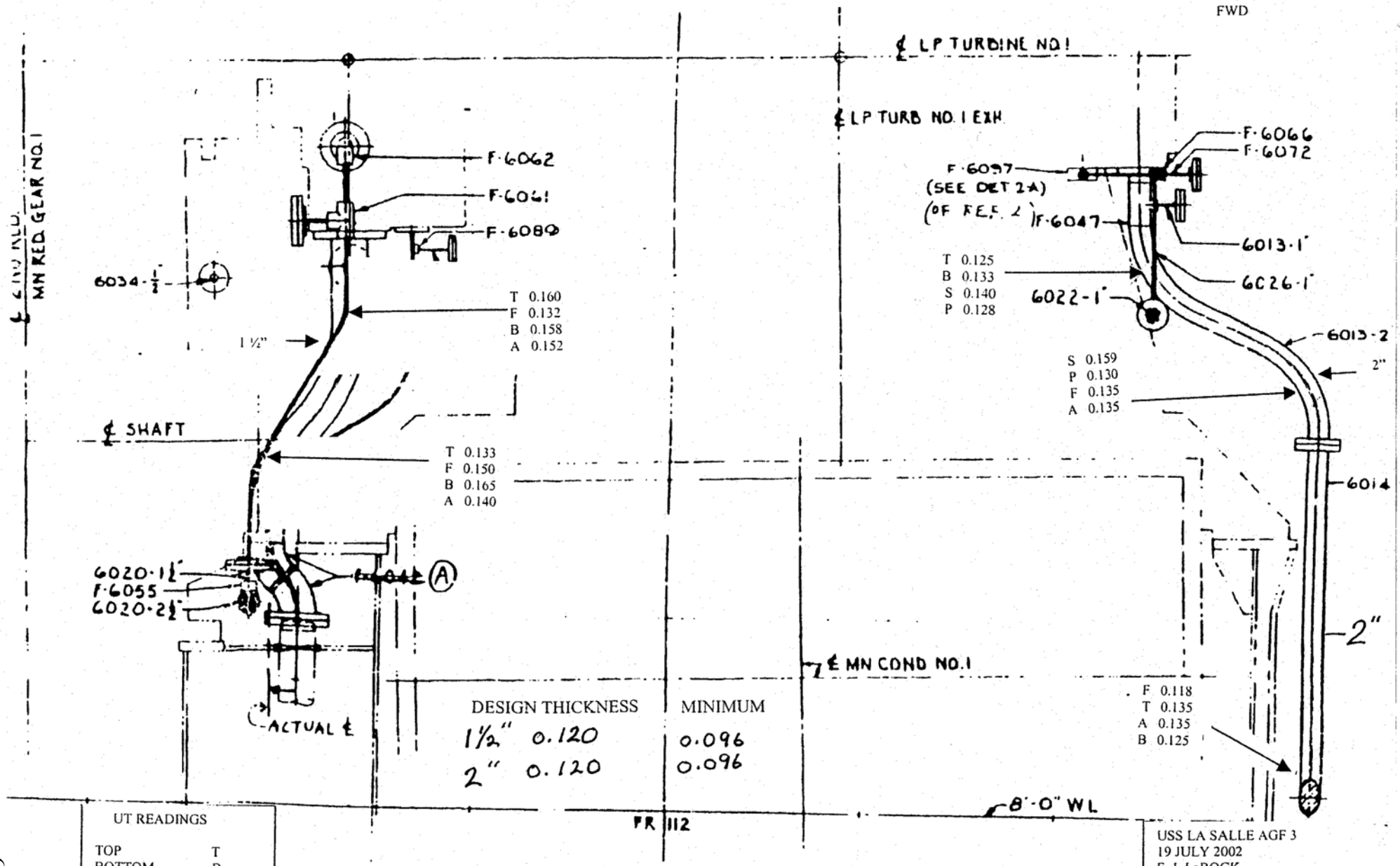
FRANCIS J. LAROCK
CERTIFIED LEVEL II
Q.E.D. SYSTEMS, INC.

USS LA SALLE (AGF-3)
FWD HP TURBINE MAIN ENGINE ROOM ONE
LUBE OIL RETURN LINE



USS LA SALLE AGF 3
19 JULY 2002
F.J. LaROCK
CERTIFIED LEVEL 2
QED SYS INC.
DMS 700744
FH2E PROBE

USS LA SALLE (AGF 3)
FWD LP TURBINE MAIN ENGINE ROOM ONE
LUBE OIL RETURN LINE



UT READINGS	
TOP	T
BOTTOM	B
FWD	F
AFT	A
PORT	P
STBD	S

USS LA SALLE AGF 3
19 JULY 2002
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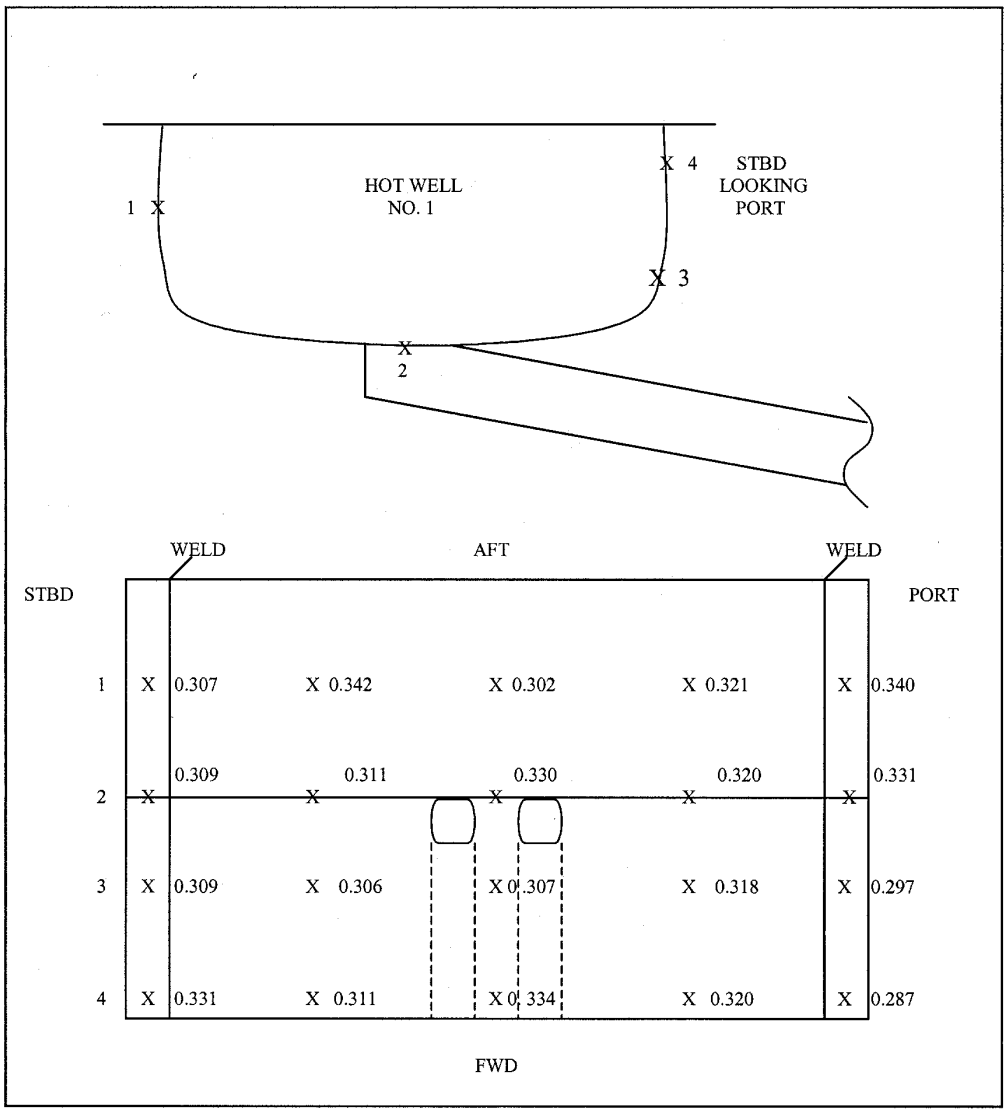
CERTIFIED LEVEL 2
QED SYS INC.
DMS 700744
FH2E PROBE

USS LA SALLE (AGF 3)
HOT WELL
MAIN ENGINE ROOM ONE



UT READINGS	X
DESIGN THICKNESS	0.
MINIMUM	0.

USS LA SALLE AGF 3
19 JULY 2002
F. J. LaROCK
CERTIFIED LEVEL 2
QED SYS INC.
DMS 700744
FH2E PROBE