

APRIL 29, 1992

TO: K.W.SOU CY
FROM: D.R.LEWIS

APRIL MONTHLY REPORTREMINGTON OVER/UNDER PROJECT

THE TRIAL AND PILOT LOT OF 125 MONO BLOCKS HAS BEEN STARTED ON THE FMS. THE FIRST SIX MONO BLOCKS HAVE BUILT INTO BARREL ASSEMBLIES FOR THE DESIGN ACCEPTANCE TEST GUNS AND THE GUN FOR MR. BROWN.

ALSO, THE FIRST FRAMES HAVE BEEN MANUFACTURED OFF THE FMS AND HAVE BEEN RUN THROUGH ALL THE OFF LINE MACHINING OPERATIONS USING THE PRODUCTION TOOLING. THESE FRAMES WILL BE USED FOR THE DESIGN ACCEPTANCE TEST GUNS AND MR. BROWN'S GUN. THE INSPECTION OF THE FRAMES HAS SHOWN THAT A FEW MINOR ADJUSTMENTS ARE STILL NEEDED TO BRING ALL CHARACTERISTICS INTO TOLERANCES.

APPROXIMATELY 80% OF THE PARTS FOR THE TRIAL AND PILOT HAVE BEEN COMPLETED. SOME OF THE MAJOR COMPONENTS THAT ARE STILL NEEDED ARE: THE BARREL ASSEMBLIES, FRAMES, FORE END IRONS, AND MOST OF THE MIM PARTS. THE BARREL ASSEMBLY COMPONENTS AND FRAMES ARE IN PROCESS CURRENTLY. THE FORE END IRONS AND MIM COMPONENTS ARE DUE BY THE END OF MAY.

THE TWO BIGGEST AREAS OF RISK TO THE OVER/UNDER PROJECT ARE THE DEVELOPMENT OF THE 4140 BARREL AND THE MANUFACTURING OF THE MIDDLE SPACER AS IT IS CURRENTLY DESIGNED.

CONSOLIDATION OF PRODUCT / TOOL DESIGN

THE CONSOLIDATION OF THE PRODUCT AND TOOL DESIGN AREAS HAS STARTED WITH THE RELOCATION OF DAVE FINDLAY TO HAL MUNSON'S OFFICE. THIS HAS ALLOWED DAVE FINDLAY'S OLD OFFICE TO BE CONVERTED INTO A CADD ROOM FOR THE ENGINEERS AND PROGRAMMERS, WHICH HAS ELIMINATED THE NEED FOR A SECOND SHIFT IN THE CADD AREA.

THE SECOND PHASE OF THE CONSOLIDATION IS TO COMBINE THE DRAWING FILES, SO THAT ONLY ONE SET OF FILES HAS TO BE MAINTAINED. THIS PHASE MEANS MOVING THE PRINT ROOM INTO WHAT IS NOW KNOWN AS THE R&D CONFERENCE ROOM. THIS MOVE HAS A DUAL PURPOSE: IT CREATES ONE CENTRAL LOCATION FOR ALL DRAWING FILES AND IT PROVIDES THE OPPORTUNITY TO TIGHTEN THE SECURITY AROUND THE PRINT ROOM.

THE THIRD PHASE IS TO MOVE THE (CADD) TOOL DESIGNERS FROM THEIR PRESENT LOCATION AND COMBINE THEM WITH THE (CADD) PRODUCT DESIGNERS. THIS WILL ALLOW TH TOOL DESIGNERS AND PRODUCT DESIGNERS TO WORK TOGETHER AND IMPROVE THE COMMUNICATIONS BETWEEN THE TWO GROUPS. ULTIMATELY, THIS WILL IMPROVE THE OUTPUT EFFICIENCY AND ACCURACY OF BOTH GROUPS. ALSO, THIS WILL ALLOW THE TWO GROUPS TO BE CROSS TRAINED AND ELIMINATE THE BOTTLENECKS IN BOTH AREAS.

CARPET PROJECT FOR R&D

THE CARPET PROJECT HAS BEEN APPROVED. THE WORK ORDERS WILL BE SUBMITTED TO THE PLANT ENGINEERING SECTION THE WEEK OF MAY 4, 1992. A SCHEDULE NEEDS TO B

WORKED OUT SO THAT THE DAY TO DAY OPERATIONS OF R&D WILL BE THE LEAST DISTURBED.
THE ABOVE CONSOLIDATION IS COMBINED WITH THE CARPET PROJECT.