

APPENDICES

APPENDIX A. CONSTRUCTION DRAWINGS OF THE TEST SECTION ASSEMBLY

This appendix shows all the construction drawings of the test section assembly. The drawings can be used as a reference for the exact geometric details of the test section. The exact dimensions of the microchannels test piece can be found in Table 3.1 and a three dimensional drawing of the complete test section assembly in Figure 3.2.

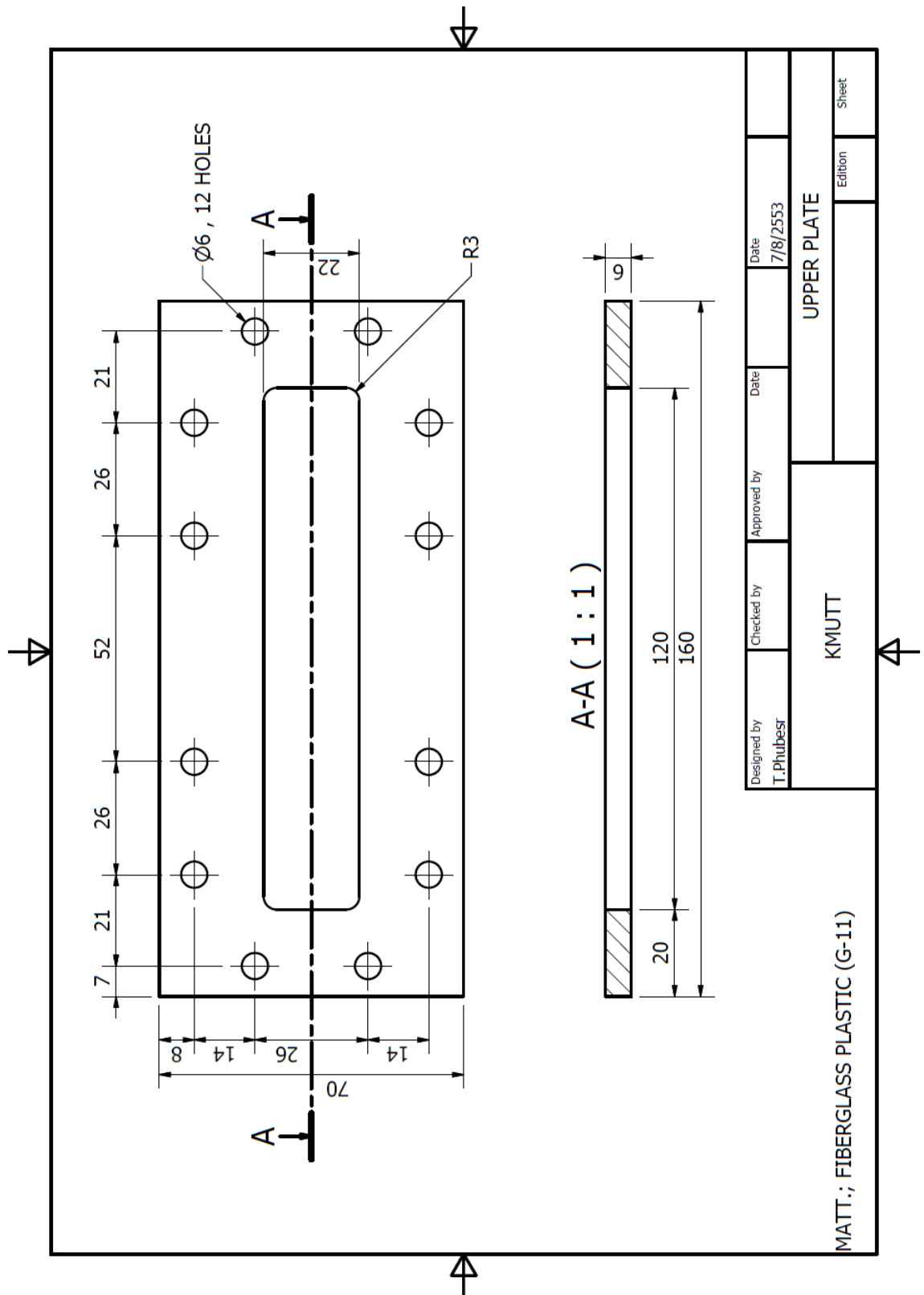


Figure A.1 The dimension drawing of the top piece

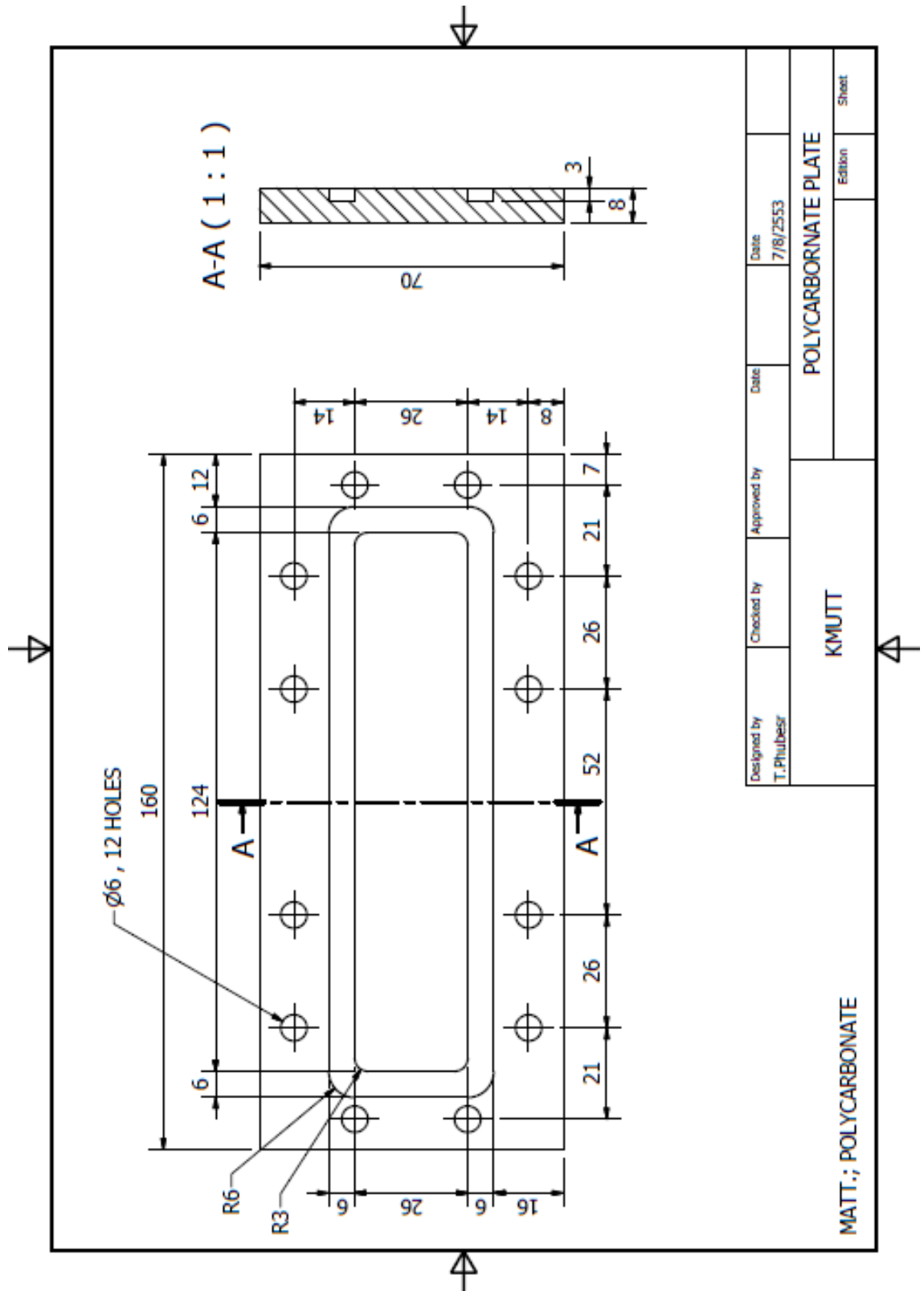


Figure A.2 The dimension drawing of the polycarbonate transparent plate

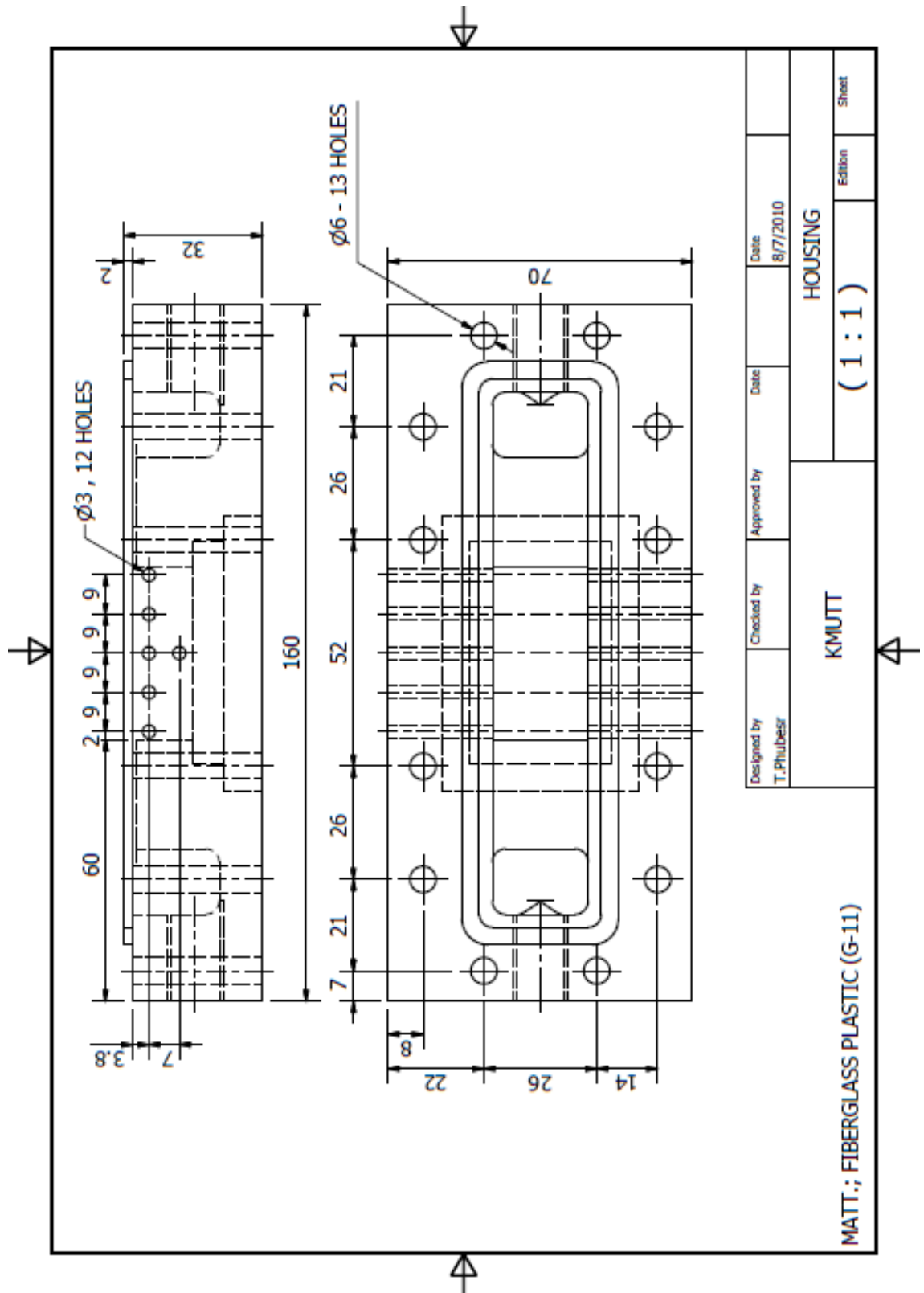


Figure A.3 The dimension drawing of the housing piece



Figure A.4 The dimension drawing of the test section

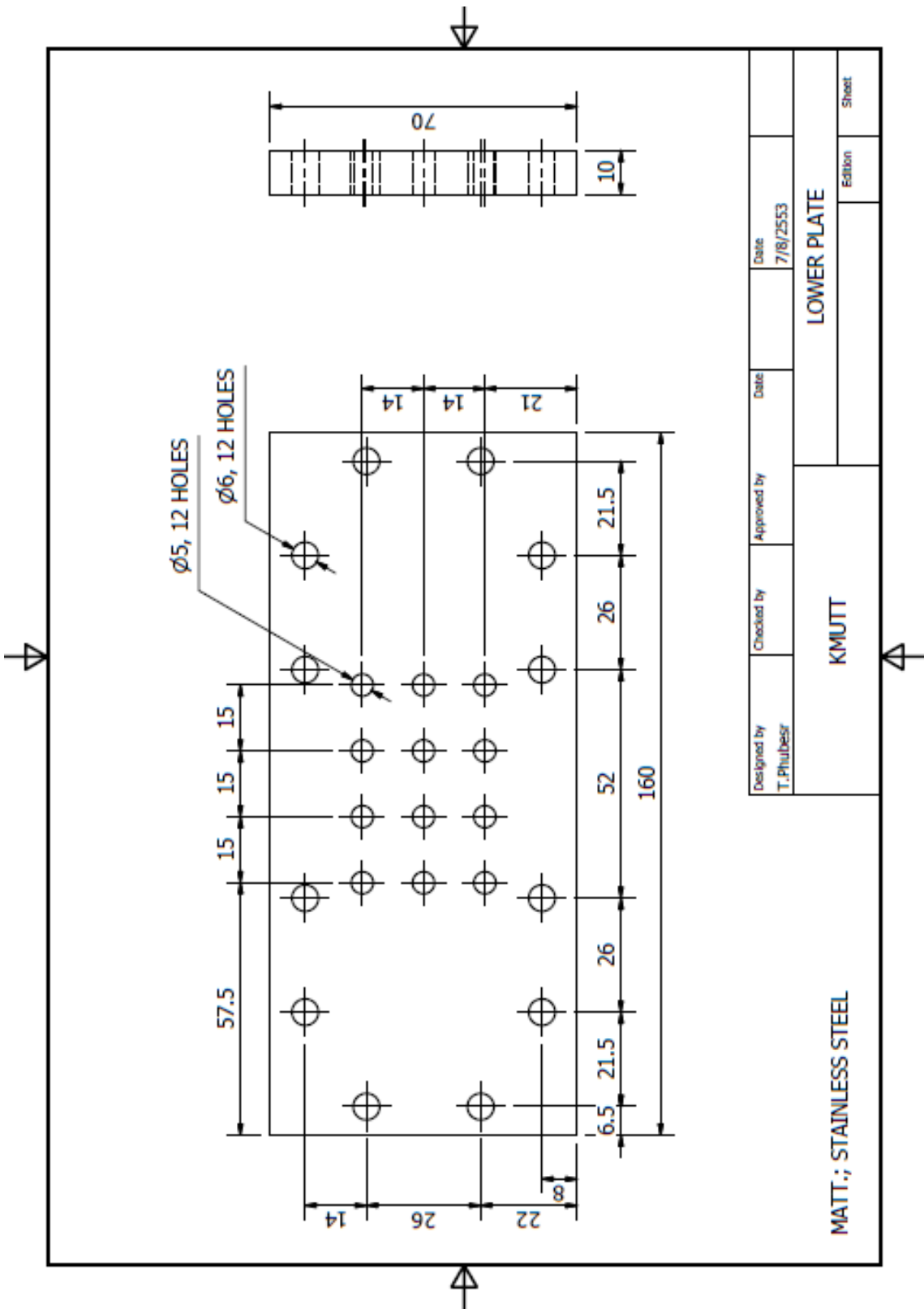


Figure A.5 The dimension drawing of the bottom piece