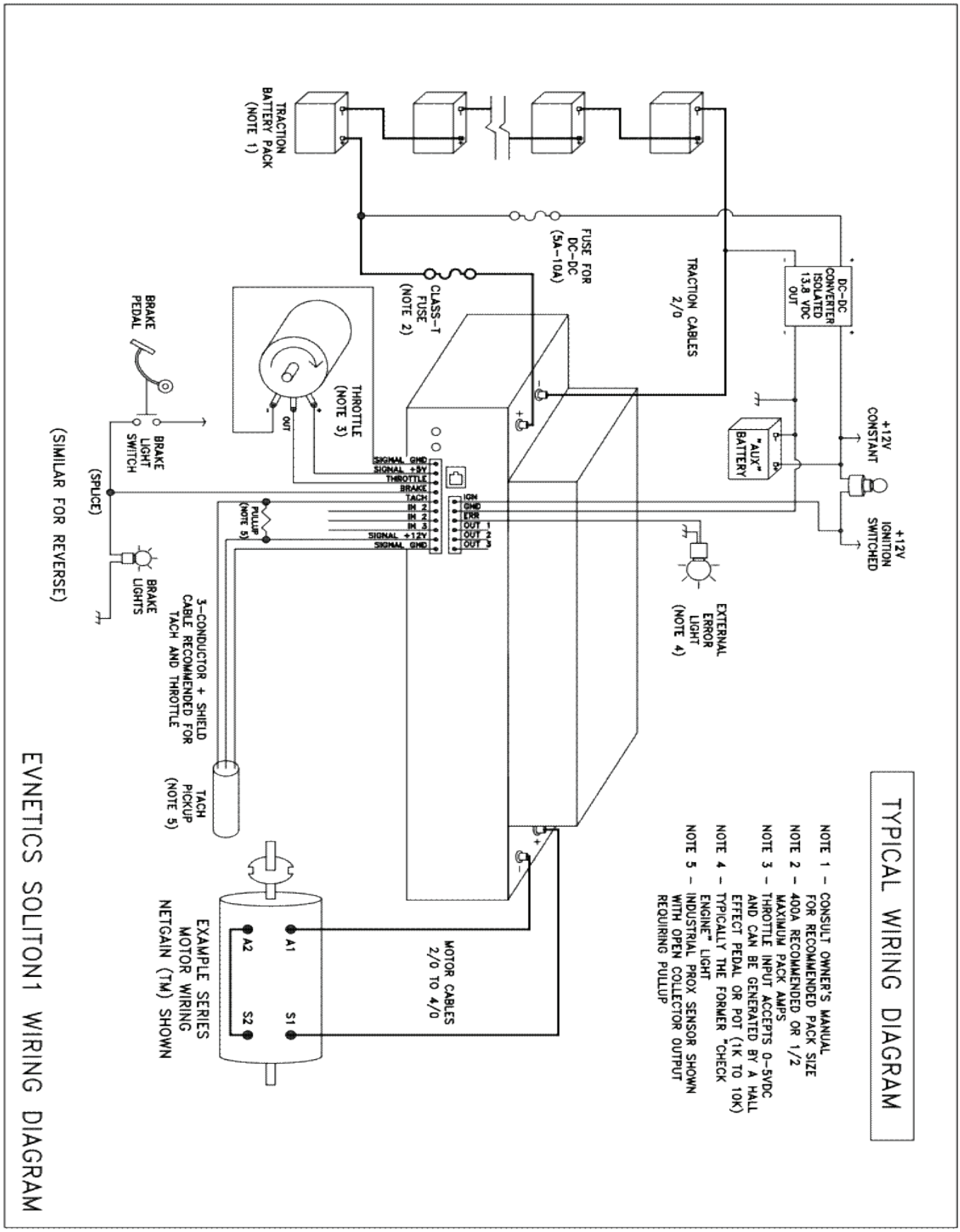6 APPENDIX A – WIRING DIAGRAMS