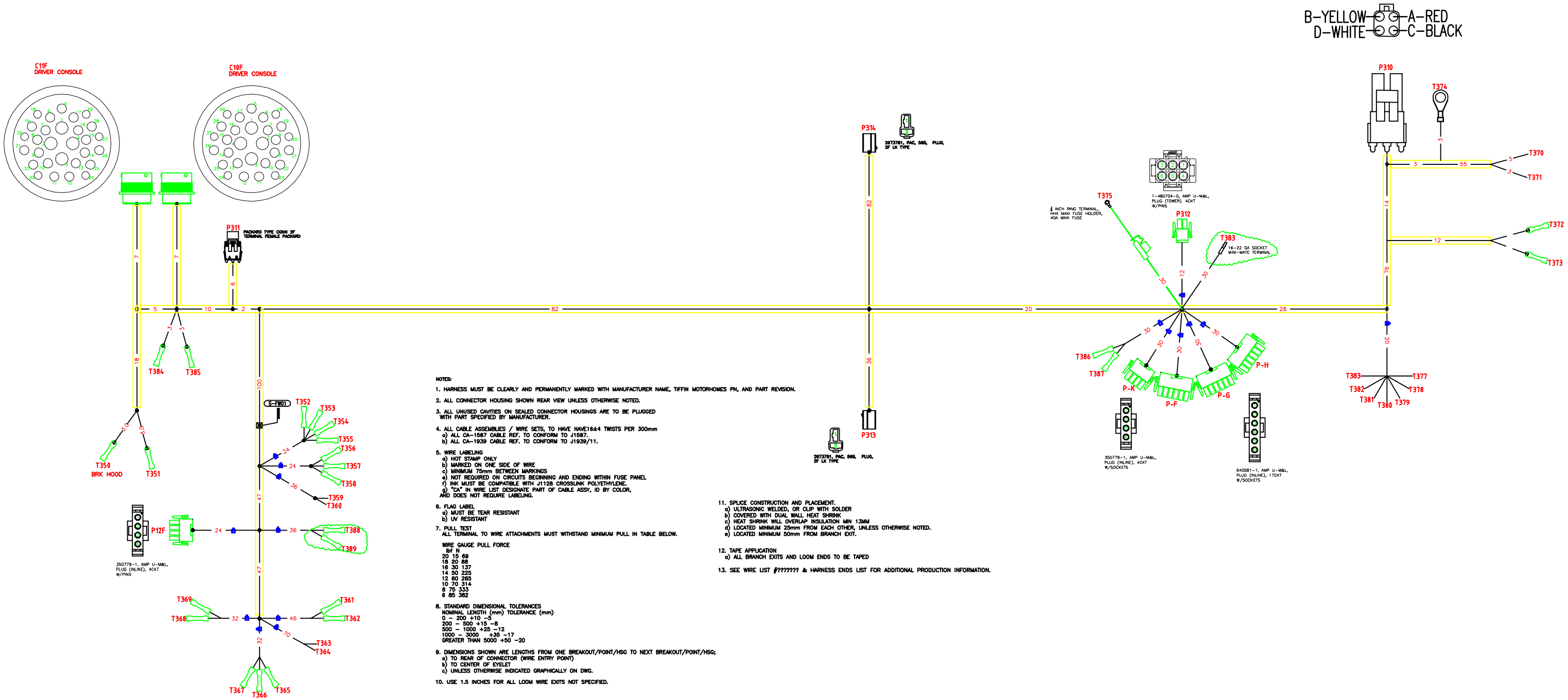

NOTES:

1. HARNESS MUST BE CLEARLY AND PERMANENTLY MARKED WITH MANUFACTURER NAME, TIFFIN MOTORHOMES PN, AND PART REVISION.

2. ALL CONNECTOR HOUSING SHOWN REAR VIEW UNLESS OTHERWISE NOTED.

3. ALL UNUSED CAVITIES ON SEALED CONNECTOR HOUSINGS ARE TO BE PLUGGED WITH PART SPECIFIED BY MANUFACTURER.

4. ALL CABLE ASSEMBLIES / WIRE SETS, TO HAVE HAVE16±4 TWISTS PER 300mm
   a) ALL CA-1587 CABLE REF. TO CONFORM TO J1587.
   b) ALL CA-1939 CABLE REF. TO CONFORM TO J1939/11.

5. WIRE LABELING
   a) HOT STAMP ONLY
   b) MARKED ON ONE SIDE OF WIRE
   c) MINIMUM 75mm BETWEEN MARKINGS
   e) NOT REQUIRED ON CIRCUITS BEGINNING AND ENDING WITHIN FUSE PANEL
   f) INK MUST BE COMPATIBLE WITH J1128 CROSSLINK POLYETHYLENE.
   g) "CA" IN WIRE LIST DESIGNATE PART OF CABLE ASSY, ID BY COLOR, AND DOES NOT REQUIRE LABELING.

6. FLAG LABEL
   a) MUST BE TEAR RESISTANT
   b) UV RESISTANT

7. PULL TEST
   ALL TERMINAL TO WIRE ATTACHMENTS MUST WITHSTAND MINIMUM PULL IN TABLE BELOW.

WIRE GAUGE	PULL FORCE lbf	N
20	15	69
18	20	88
16	30	137
14	50	225
12	60	265
10	70	314
8	75	333
6	85	382

8. STANDARD DIMENSIONAL TOLERANCES

NOMINAL LENGTH (mm)	TOLERANCE (mm)
0 – 200	+10 –5
200 – 500	+15 –8
500 – 1000	+25 –12
1000 – 3000	+35 –17
GREATER THAN 5000	+50 –20

9. DIMENSIONS SHOWN ARE LENGTHS FROM ONE BREAKOUT/POINT/HSG TO NEXT BREAKOUT/POINT/HSG;
   a) TO REAR OF CONNECTOR (WIRE ENTRY POINT)
   b) TO CENTER OF EYELET
   c) UNLESS OTHERWISE INDICATED GRAPHICALLY ON DWG.

10. USE 1.5 INCHES FOR ALL LOOM WIRE EXITS NOT SPECIFIED.

11. SPLICE CONSTRUCTION AND PLACEMENT.
   a) ULTRASONIC WELDED, OR CLIP WITH SOLDER
   b) COVERED WITH DUAL WALL HEAT SHRINK
   c) HEAT SHRINK WILL OVERLAP INSULATION MIN 13MM
   d) LOCATED MINIMUM 25mm FROM EACH OTHER, UNLESS OTHERWISE NOTED.
   e) LOCATED MINIMUM 50mm FROM BRANCH EXIT.

12. TAPE APPLICATION
   a) ALL BRANCH EXITS AND LOOM ENDS TO BE TAPED

13. SEE WIRE LIST #???????? & HARNESS ENDS LIST FOR ADDITIONAL PRODUCTION INFORMATION.

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2017 ALLEGRO OUTSIDE FIREWALL HARNESS SHORT
SPYDER HARNESS LAYOUT

MODELYR		AUTH	JDB
DRAWING		DATE	01/09/2016
PART #	DWG #	STATUS	RELEASED
5056844	–	SHEET	01 REV