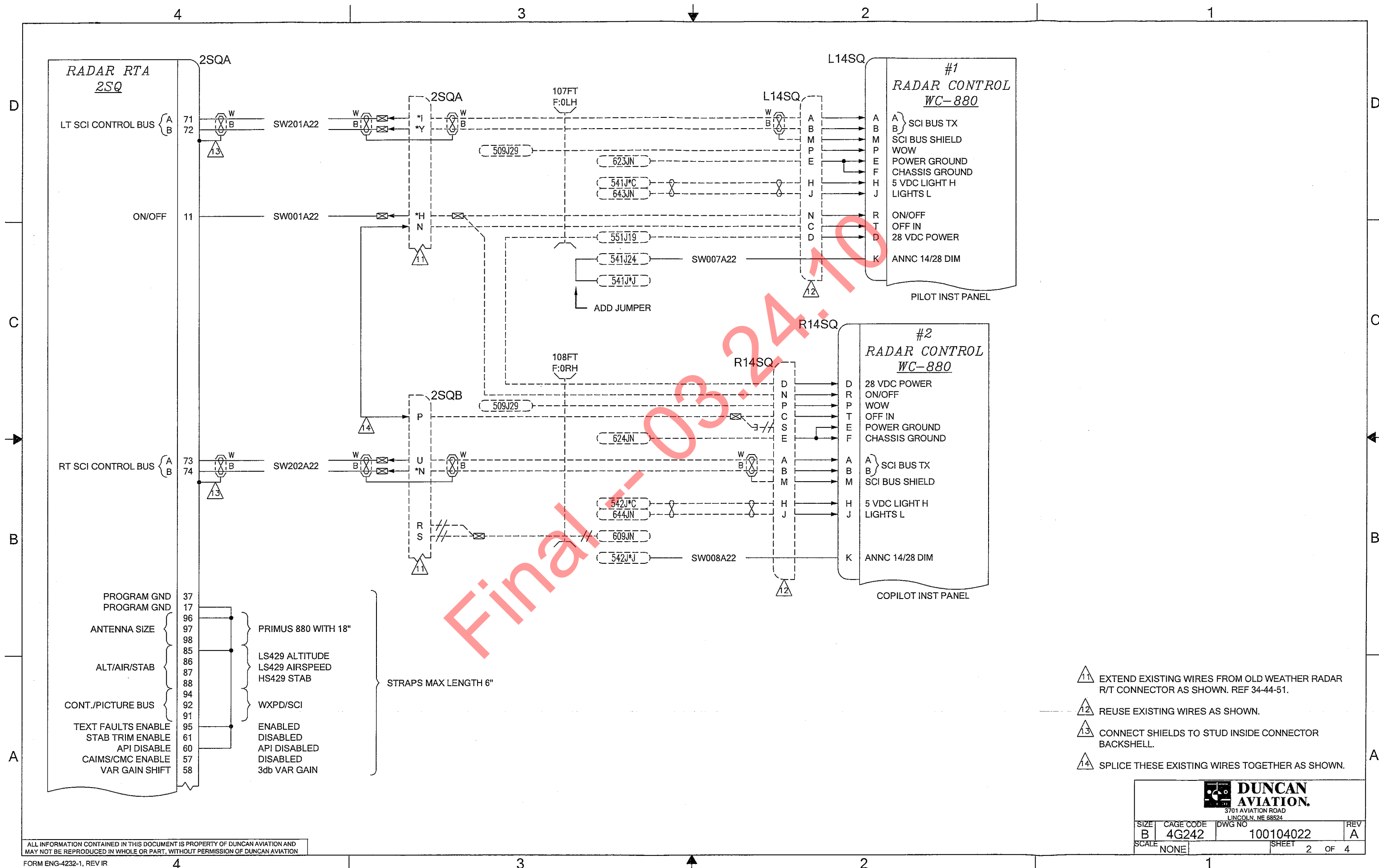


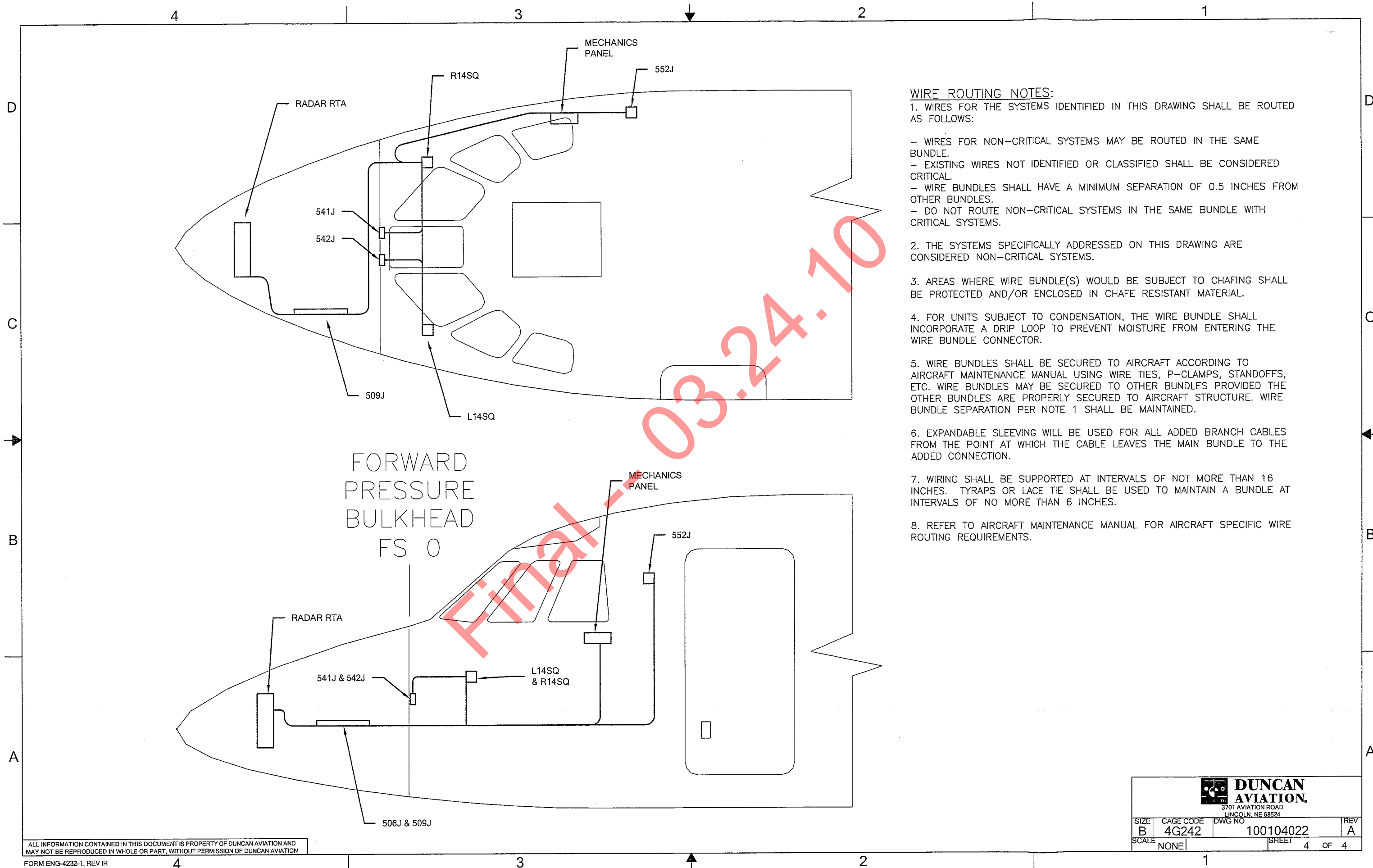
1. ALL WORK TO BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE SECTIONS OF AC43.13-1B AND AC43.13-2B.
2. INSTALLATION AND WIRE ROUTING TO BE ACCOMPLISHED FOLLOWING THE RECOMMENDATIONS AND GUIDELINES FOUND IN THE STANDARD PRACTICES AND PROCEDURES, CHAPTER 20 OF THE AIRCRAFT WIRING/MAINTENANCE MANUAL.
3. ALL WIRE TO BE IN ACCORDANCE WITH SPECIFICATION: (NEMA) WC 27500 AND/OR (SAE) AS22759, AS APPLICABLE.
4. ALL SHIELD GROUND WIRES TO BE AS SHORT AS PRACTICAL.
5. ALL WIRES ARE 22 AWG UNLESS OTHERWISE INDICATED.
6. ALL DIODES ARE 1N4005 UNLESS OTHERWISE INDICATED.
7. WIRES ARE NOT TO BE ROUTED WITH ANY HEAVY POWER CARRYING WIRES.
8. APPROVAL ON SHEET ONE CONSTITUTES APPROVAL OF ALL SHEETS.
9. "REFERENCE ONLY" DATA (I.E. DIMENSIONS, NOTES, P/Ns, ETC.) IS IDENTIFIED IN PARENTHESIS OR BY DENOTING AS "REF".
10. 453 / 708 BUS CABLE IS 70 OHM, LOW CAPACITANCE TWISTED SHIELDED PAIR, ECS P/N 422402, PIC P/N D620224 OR EQUIVALENT.
11. EXTEND EXISTING WIRES FROM OLD WEATHER RADAR R/T CONNECTOR AS SHOWN. REF 34-44-51.
12. REUSE EXISTING WIRES AS SHOWN.
13. CONNECT SHIELDS TO STUD INSIDE CONNECTOR BACKSHELL.
14. SPLICE THESE EXISTING WIRES TOGETHER AS SHOWN.
15. PARALLEL WITH EXISTING SHIELDS AT TERMINAL BLOCK.

[illegible]

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FORM ENG-4232-1, REV IR 4





WIRE ROUTING NOTES:

1. WIRES FOR THE SYSTEMS IDENTIFIED IN THIS DRAWING SHALL BE ROUTED AS FOLLOWS:
 - WIRES FOR NON-CRITICAL SYSTEMS MAY BE ROUTED IN THE SAME BUNDLE.
 - EXISTING WIRES NOT IDENTIFIED OR CLASSIFIED SHALL BE CONSIDERED CRITICAL.
 - WIRE BUNDLES SHALL HAVE A MINIMUM SEPARATION OF 0.5 INCHES FROM OTHER BUNDLES.
 - DO NOT ROUTE NON-CRITICAL SYSTEMS IN THE SAME BUNDLE WITH CRITICAL SYSTEMS.
2. THE SYSTEMS SPECIFICALLY ADDRESSED ON THIS DRAWING ARE CONSIDERED NON-CRITICAL SYSTEMS.
3. AREAS WHERE WIRE BUNDLE(S) WOULD BE SUBJECT TO CHAFING SHALL BE PROTECTED AND/OR ENCLOSED IN CHAFE RESISTANT MATERIAL.
4. FOR UNITS SUBJECT TO CONDENSATION, THE WIRE BUNDLE SHALL INCORPORATE A DRIP LOOP TO PREVENT MOISTURE FROM ENTERING THE WIRE BUNDLE CONNECTOR.
5. WIRE BUNDLES SHALL BE SECURED TO AIRCRAFT ACCORDING TO AIRCRAFT MAINTENANCE MANUAL USING WIRE TIES, P-CLAMPS, STANDOFFS, ETC. WIRE BUNDLES MAY BE SECURED TO OTHER BUNDLES PROVIDED THE OTHER BUNDLES ARE PROPERLY SECURED TO AIRCRAFT STRUCTURE. WIRE BUNDLE SEPARATION PER NOTE 1 SHALL BE MAINTAINED.
6. EXPANDABLE SLEEVING WILL BE USED FOR ALL ADDED BRANCH CABLES FROM THE POINT AT WHICH THE CABLE LEAVES THE MAIN BUNDLE TO THE ADDED CONNECTION.
7. WIRING SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 16 INCHES. TYRAPS OR LACE TIE SHALL BE USED TO MAINTAIN A BUNDLE AT INTERVALS OF NO MORE THAN 6 INCHES.
8. REFER TO AIRCRAFT MAINTENANCE MANUAL FOR AIRCRAFT SPECIFIC WIRE ROUTING REQUIREMENTS.