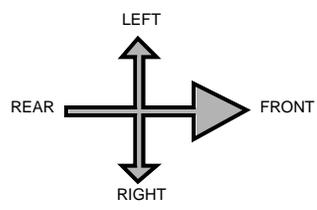


NOTES:

- 1. DRILL SIZES—WOOD BASE:**
 5/64 — WOOD PILOT HOLES (FOR #4 SCREWS)
 ____ — REAM OUT HOLES IN SWITCH MOTOR FEET FOR #4 SCREWS
 9/64 — HOLES FOR WIRES
 3/16 — 2 HOLES FOR #8 x 1-1/4 WING NUTS1.xx

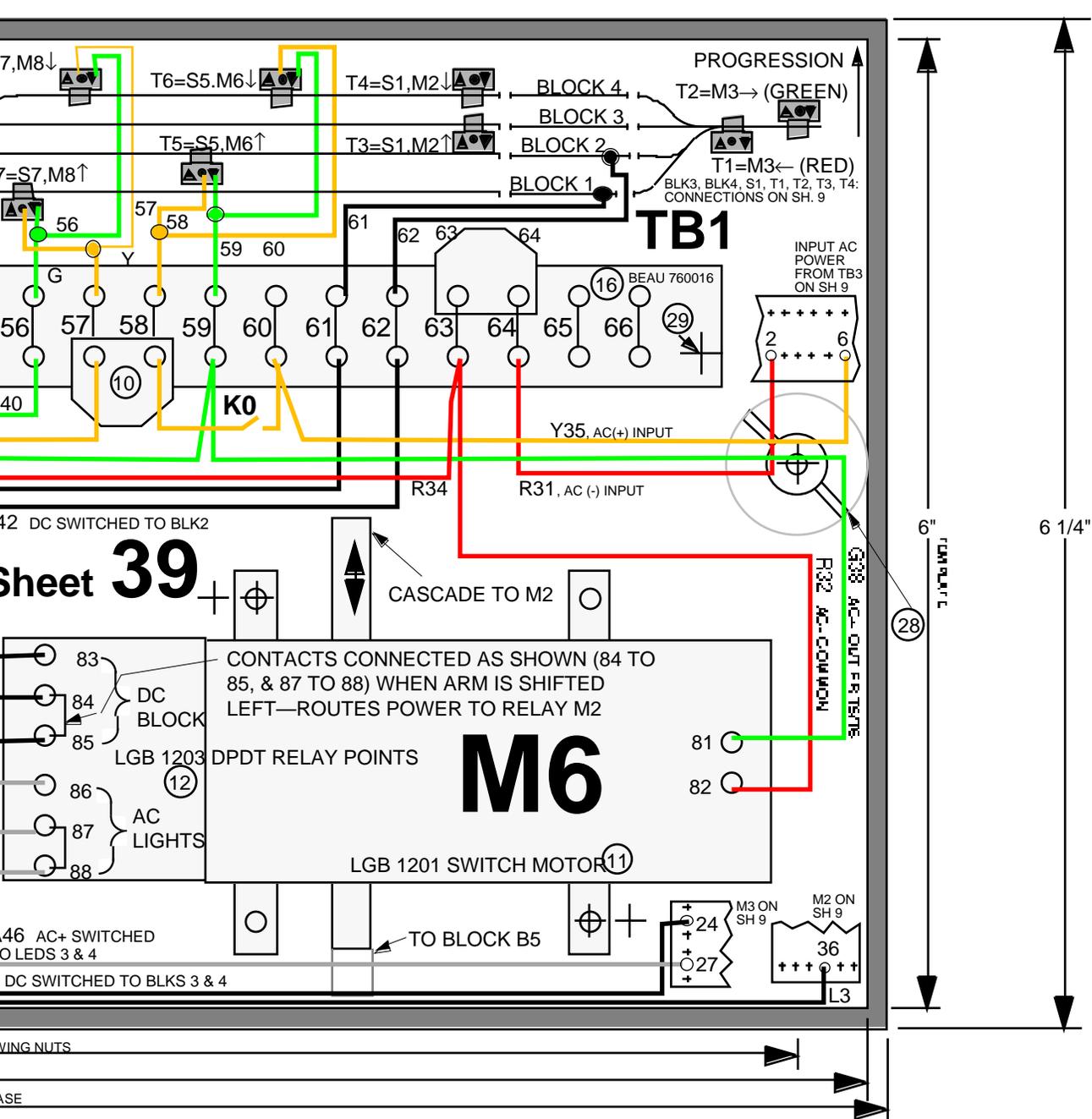
2. WIRE LIST:

COLOR	WIRE	DESCRIPTION
RED	R31, R32, R33, R34	RED = AC (-) UNSWITCHED (COMMON)
YELLOW	Y35, Y37	YELLOW = AC (+) UNSWITCHED (INPUT TO TRACK CONTACTS)
GREEN	G38, G39, G40, G41	GREEN = AC (+) SWITCHED (OUTPUT FROM TRACK CONTACTS)
BLUE	--	BLUE = DC (+) UNSWITCHED (INPUT FROM LEFT RAIL OF MAINLINE)
BLACK	L3, L42, L43, L44, L45	BLACK = DC (+) SWITCHED (OUTPUT TO LEFT RAIL OF BLOCKS 1,2,3,4)
GRAY	A46, A47, A48, A49	GRAY = AC (+) SWITCHED (OUTPUT TO TARGET LIGHTS LEDS 1,2,3,4)



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(6H10)

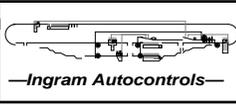


Summary: This #1653 "Helper Control Unit" connects to the Model 165 main control unit (#1651). This Helper Unit controls the additional 2 tracks (Track 1 and Track 2) to operate the 4-track Zellner Yard.

Parts list on Sh. 41. 5 Wiring connections to Main Control shown on Sh. 40. See 8-1/2x11 publication #P1653 for step-by-step Zellner Yard instructions.



INGRAM
 1968
 7931 SO. BROADWAY, STE. 33
 LITTLETON CO 80122-2710
 SCALE 1"=1" (11"x17") UNLESS NOTED



TITLE MODEL 165 ZELLNER YARD 4-TRACK BLOCK
 DWG SERIES D8811-165
 ORIG 21JAN96
 REV B, 15AUG96
 #1653 HELPER CONTROL UNIT SH.

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