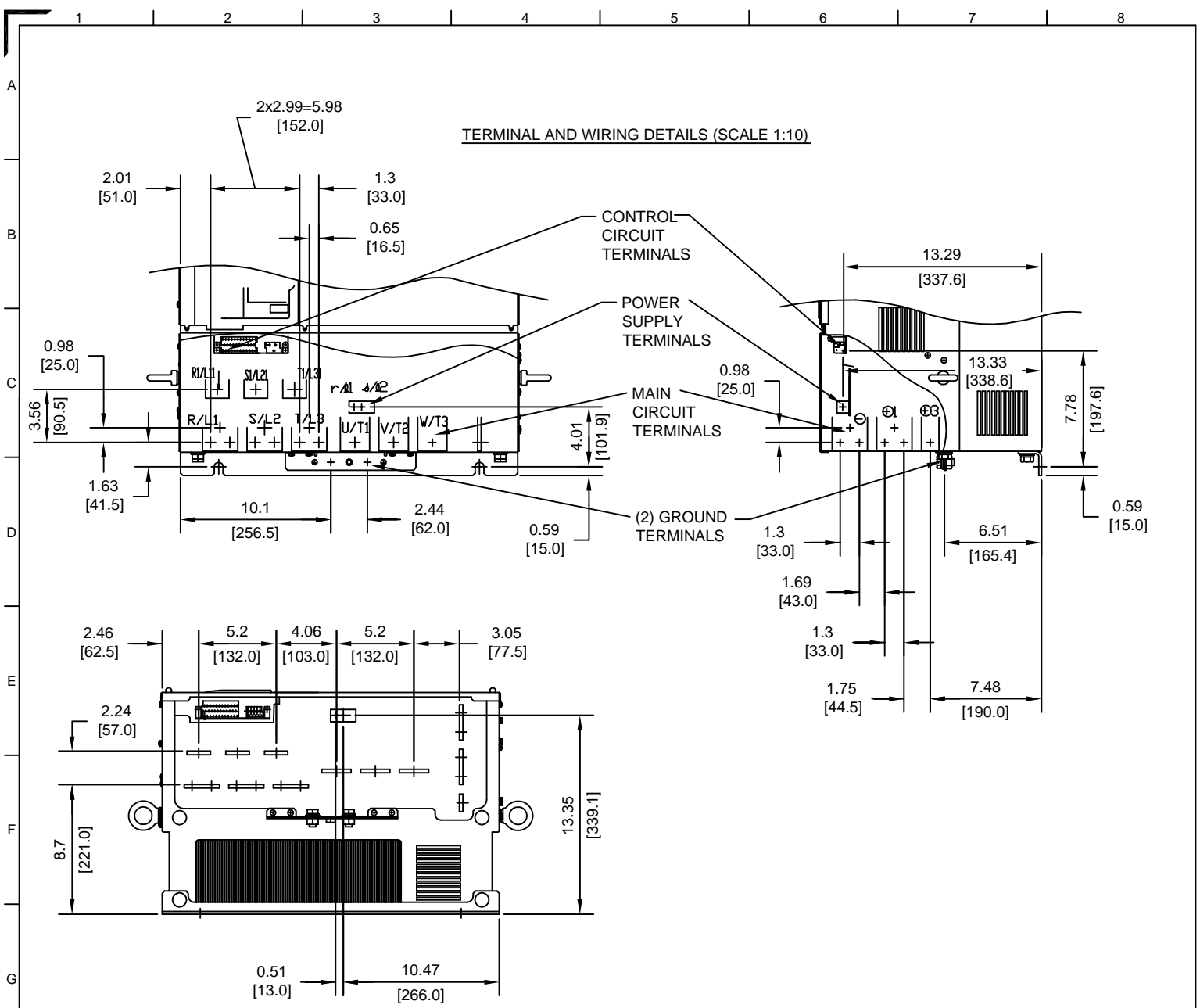


TERMINAL AND WIRING DETAILS (SCALE 1:10)



TERMINAL AND WIRE SPECIFICATIONS FOR MAIN CIRCUIT AND GROUND

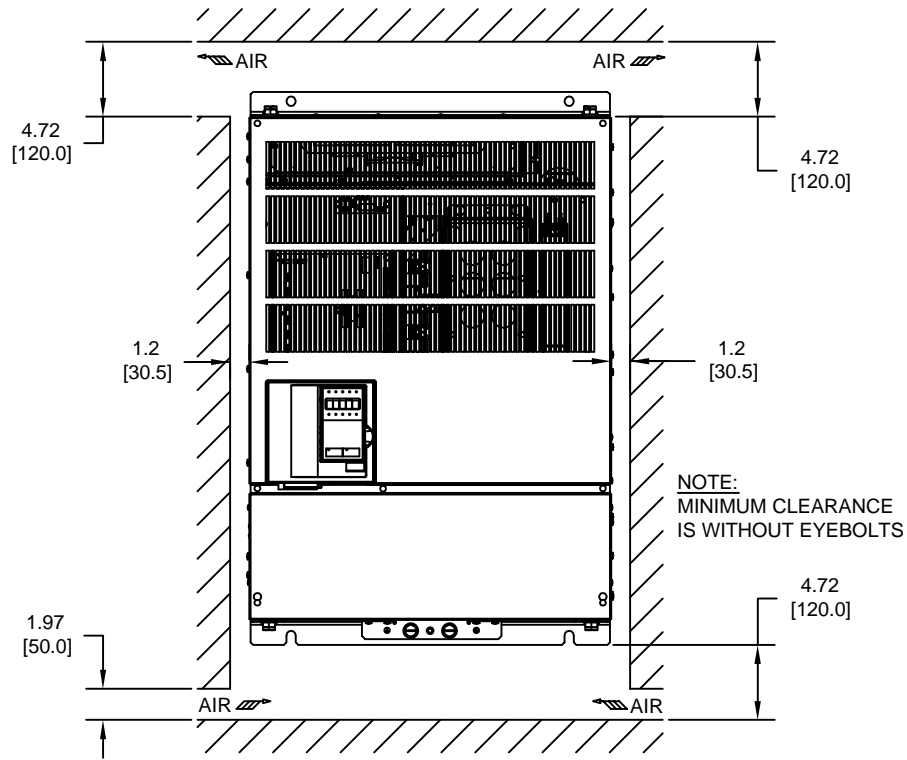
MODEL #	TERMINAL SYMBOL	TERMINAL SCREW	CLAMPING TORQUE lb.in.(N.m.)
2090	R/L1, S/L2, T/L3, ⊙, ⊕1, ⊕, U/T1, V/T2, W/T3, R1/L11, S1/L21, T1/L31	M12	276 TO 345 (31.4 TO 39.2)
	⊕3	M8	78.0 TO 95.0 (8.8 TO 10.8)
	r/l1, s/l2	M4	11.4 TO 12.3 (1.3 TO 1.4)
2110	R/L1, S/L2, T/L3, ⊙, ⊕1, ⊕, U/T1, V/T2, W/T3, R1/L11, S1/L21, T1/L31	M12	276 TO 345 (31.4 TO 39.2)
	⊕3	M8	78.0 TO 95.0 (8.8 TO 10.8)
	r/l1, s/l2	M4	11.4 TO 12.3 (1.3 TO 1.4)

NOTE: REFER TO APPLICABLE CODES FOR PROPER WIRE TYPE AND SIZE

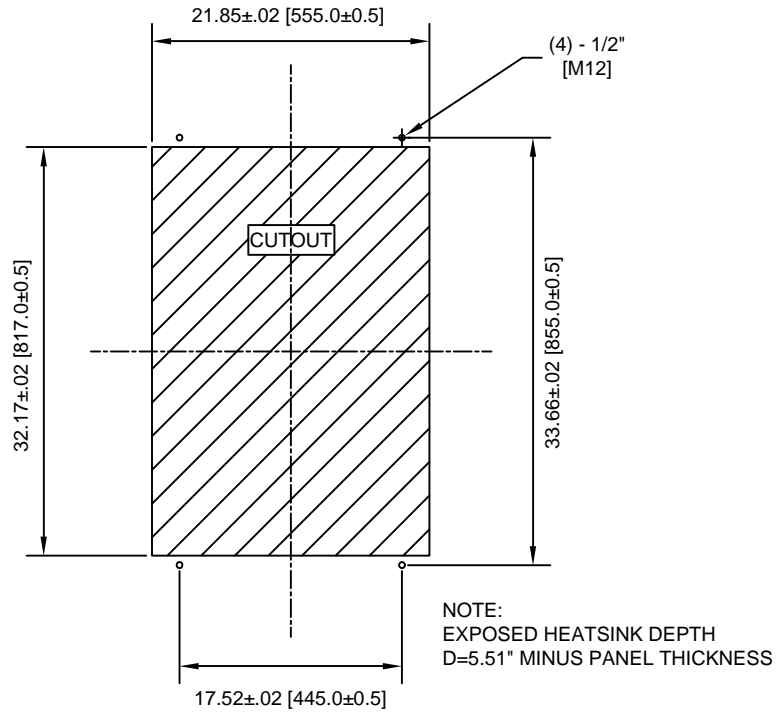
FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

TOLERANCES/REFERENCES: - - - - -	<p>YASKAWA A World of Automation Solutions™</p> <p>YASKAWA ELECTRIC AMERICA, INC. Corporate Headquarters 2121 Norman Drive South Waukegan, IL 60085 1-800-YASKAWA http://www.yaskawa.com</p>	DRAWN: J. MATTAS	DATE: 3-1-04	TITLE: G7 DIMENSION DRAWING		
		CHECKED: E. KU	DATE: 4-4-04	FRAME SIZE 12		
		TECH: J. CAIRO	DATE: 4-2-04	IP00 ENCLOSURE		
		APPROVED: T. SASADA	DATE: 4-7-04	G7U2090 TO 2110		
UNITS: IN[mm]	SCALE: BY VIEW	ORIGINAL DESIGN: -	SIZE: A	REVISION: -	PAGE: 2 of 3	
				DRAWING #: DD.G7.FR12.IP00.01		

MINIMUM INSTALLATION CLEARANCES (SCALE 1:12)



PANEL CUTOUT FOR EXTERNAL HEATSINK MOUNTING CONFIGURATION (SCALE 1:15)



FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

TOLERANCES/REFERENCES: -		<p>YASKAWA A World of Automation Solutions™</p> <p>YASKAWA ELECTRIC AMERICA, INC. Corporate Headquarters 2121 Norman Drive South Waukegan, IL 60085 1-800-YASKAWA http://www.yaskawa.com</p>	DRAWN: J. MATTAS DATE 3-1-04	TITLE: G7 DIMENSION DRAWING FRAME SIZE 12 IP00 ENCLOSURE G7U2090 TO 2110		
UNITS: IN[mm]	SCALE: BY VIEW		CHECKED: E. KU DATE 4-4-04	TECH: J. CAIRO DATE 4-2-04		
		APPROVED: T. SASADA DATE 4-7-04	DATE 4-7-04	SIZE A	REVISION -	PAGE 3 of 3
		ORIGINAL DESIGN: -	DATE -	DRAWING #: DD.G7.FR12.IP00.01		