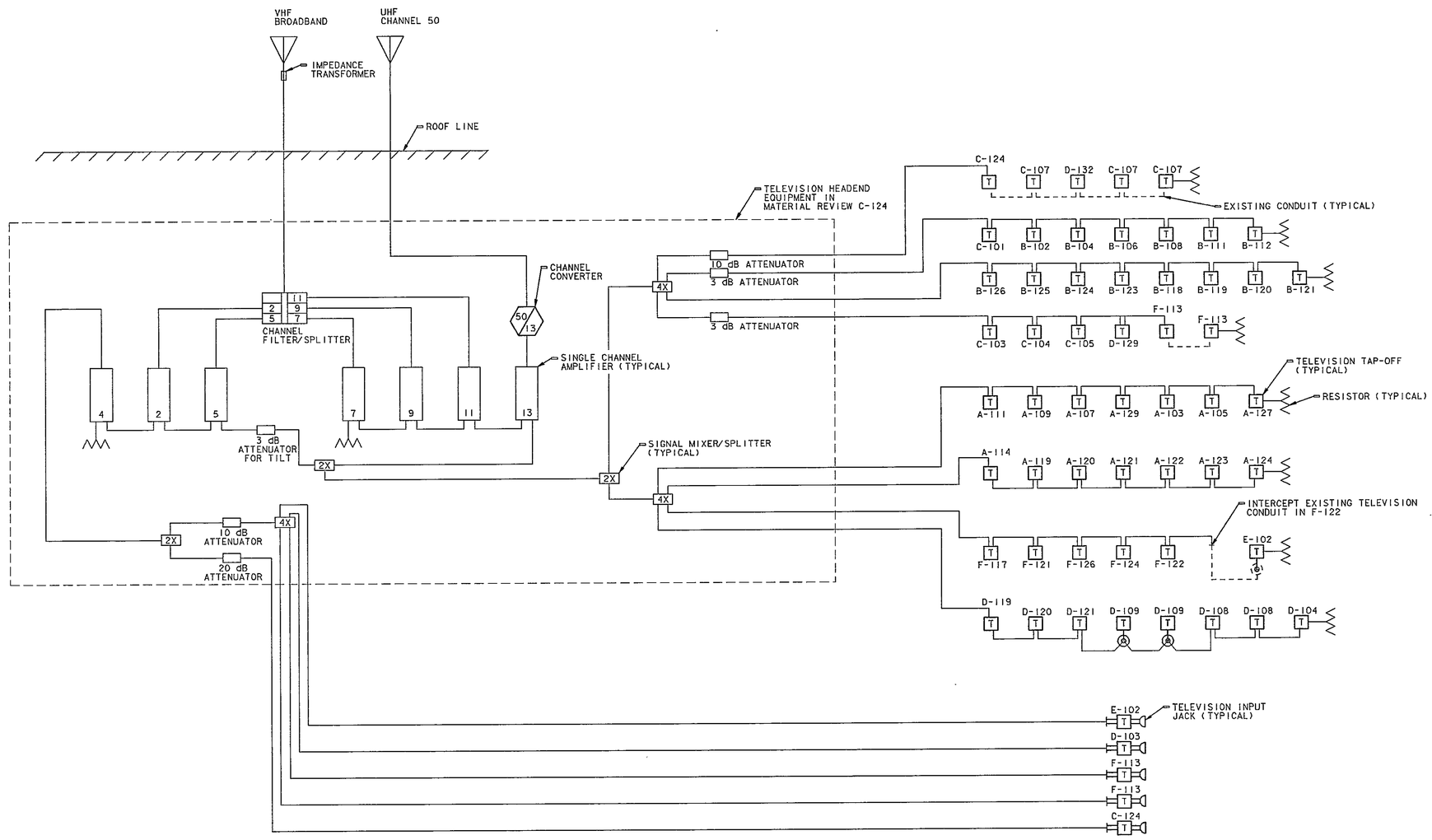

ELECTRICAL TELEVISION DISTRIBUTION DIAGRAM

NO SCALE

PANEL SCHEDULE

MARK & TYPE	CIRCUITS	BREAKER OR SWITCH	FRAME OR FUSE	REMARKS
BRP EXISTING FPE 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	23 24 25 26 27-30	1P-SPACE 1P-20 1P-SPACE 1P-20 1P-30	- - - - -	REPLACE EXISTING 3P-40 BREAKER (CIRCUIT 23) AND SPACES WITH NEW 1P-20 AMP AND 1P-30 AMP BREAKERS.
LP2 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-46 47-54	1P-20 1P-SPACE	BQ BQ	WITH FLUSH MOUNTING TRIM. TWO SECTION HORIZONTAL PANEL, BOTH SECTIONS SAME HEIGHT, REPLACES EXISTING PANEL LP2. EXTEND EXISTING CIRCUITS TO NEW PANEL. CIRCUITS 1-26 CONTROLLED BY ASCO #920B, 3P-150 AMP CONTACTOR. CIRCUITS 25-54 CONSTANT SECTION. ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY.
L6 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-24 25 26	1P-20 3P-100 1P-SPACE	BQ BQ BQ	WITH FLUSH MOUNTING TRIM CIRCUITS 1-6 CONSTANT SECTION CIRCUITS 7-26 CONTROLLED BY ASCO #920A, 3P-100 AMP CONTACTOR. ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY.
L7 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-20 21-30 31-33 34	1P-20 1P-30 3P-20 3P-SPACE	BQ BQ BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L8 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-38 39 40	1P-20 2P-20 2P-SPACE	BQ BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L9 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-38 39-42	1P-20 1P-SPACE	BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L10 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-42	1P-20	BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L11 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-38 39-42	1P-20 1P-SPACE	BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L12 NLAB-4 120/208V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-42 43-54 55 96	1P-20 1P-SPACE 3P-50 3P-SPACE	BQ BQ BQ BQ	TWO SECTION HORIZONTAL PANEL WITH FLUSH MOUNTING TRIM BOTH SECTIONS SAME HEIGHT ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L13 NLAB-4 120/208V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-24	1P-20	BQ	WITH SURFACE MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
L14 NLAB-4 120/208V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-4 5-18	1P-15 1P-20	BQ BQ	WITH SURFACE MOUNTING TRIM PANEL CONTROLLED BY ASCO #920, 3P-60 AMP CONTACTOR. ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY.
HB1 NHB-4 277/480V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-4 5-6	3P-15 3P-SPACE	E4 E4	WITH FLUSH MOUNTING TRIM
H1 EXISTING SQUARE D 277/480V, 3ϕ, 4W 400 AMP MAIN LUGS SURFACE MOUNTED	3-5	3P-20	-	REPLACE EXISTING 3P-20 AMP BREAKERS WITH NEW 3P-20 AMP BREAKERS. THE NEW BREAKERS SHALL HAVE 120 VOLT UNDERVOLTAGE TRIP COIL AND THE TRIP COIL SHALL BE CONNECTED TO EXISTING 120 VOLT CIRUIT AND CONTROLLED BY THE EXISTING AUTOMATIC FIRE PROTETION SYSTEM
H5 NHB-4 277/480V, 3ϕ, 4W 255 AMP MAIN LUGS SURFACE MOUNTED	1-5 6-11 12-14	3P-15 3P-SPACE 3P-60	E4 E4 E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
H6 EXISTING SQUARE D 277/480V, 3ϕ, 4W 400 AMP MAIN LUGS SURFACE MOUNTED	3-4	3P-20	-	REPLACE EXISTING 3P-20 AMP BREAKERS WITH NEW 3P-20 AMP BREAKERS. THE NEW BREAKERS SHALL HAVE 120 VOLT UNDERVOLTAGE TRIP COIL AND THE TRIP COIL SHALL BE CONNECTED TO EXISTING 120 VOLT CIRUIT AND CONTROLLED BY THE EXISTING AUTOMATIC FIRE PROTETION SYSTEM
H7 NHB-4 277/480V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-14 15-18 19 20 21-22	1P-20 1P-SPACE 3P-20 3P-SPACE 3P-15	E4 E4 E4 E4 E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
H8 NHB-4 277/480V, 3ϕ, 4W 225 AMP MAIN LUGS SURFACE MOUNTED	1-26 27-36 37 38	1P-20 1P-SPACE 3P-15 3P-SPACE	E4 E4 E4 E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
H9 NHB-4 277/480V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-20 21-30	1P-20 1P-SPACE	E4 E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
H10 NHB-4 277/480V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-30	1P-20	E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
LD3 CDP-7 120/208V, 3ϕ, 4W 225 AMP MAIN BREAKER SURFACE MOUNTED	1 2-4 5-6	3P-60 3P-100 3P-SPACE	BQ BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
LD4 CDP-6 120/208V, 3ϕ, 4W 1200 AMP MAIN LUGS FREE STANDING	1-8 9-10 11 12 13 14 15 16 17-18 20-26	2P-50 2P-SPACE 3P-15 3P-60 3P-100 3P-150 3P-SPACE 3P-150 3P-200 3P-SPACE	E2 E2 E2 E2 E2 QJ QJ QJ QJ QJ	WITH FLUSH MOUNTING TRIM REPLACES EXISTING PANELS DP1 AND DP2 RECONNECT EXISTING CIRCUITS TO NEW PANEL ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
MP EXISTING SQUARE D 277/480V, 3ϕ, 4W 2000 AMP MAIN SWITCH FREE STANDING	7	3P-600	600	THE EXISTING FEED FOR PANELS H2 AND H3 SHALL BE DISCONNECTED FROM CIRCUIT 7 AND CONNECTED TO CIRCUIT 5. THE EXISTING FUSES SHALL BE RELOCATED FROM CIRCUIT 7 TO CIRCUIT 5. REMOVE FUSIBLE SWITCHES FOR CIRCUITS 7,8 AND 9 AND REPLACE WITH ONE 3P-600 AMP FUSIBLE SWITCH (NEW CIRCUIT 7) RELOCATE CIRCUIT 9 TO CIRCUIT 11.
HD1 VB-6 277/480V, 3ϕ, 4W 600 AMP MAIN LUGS SURFACE MOUNTED	1-4 5 6 7 8 9-10	3P-100 3P-100 3P-100 3P-200 3P-200 3P-200	100 80 SPARE 125 200 SPACE	WITH SURFACE TRIM
HD2 CDP-6 277/480V, 3ϕ, 4W 400 AMP MAIN LUGS SURFACE MOUNTED	1-2 3-5 6 7 8 9 10 11 12 13	3P-15 3P-30 3P-40 3P-60 3P-100 3P-60 3P-15 3P-SPACE 3P-100 3P-150	E4 E4 E4 E4 E4 E4 E4 E4 E4 FJ6	WITH SURFACE TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
XHD1 NHB-6 277/480V, 3ϕ, 4W 100 AMP MAIN LUGS SURFACE MOUNTED	1-6 7 8-9 10	1P-20 3P-60 3P-40 3P-SPACE	E4 E4 E4 E4	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 18,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY.
XLD1 NLAB-4 120/208V, 3ϕ, 4W 100 AMP MAIN BREAKER SURFACE MOUNTED	1-6 7-8 9 10	1P-20 3P-20 3P-15 3P-60	BQ BQ BQ BQ	WITH FLUSH MOUNTING TRIM ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY
EX EXISTING FPE 120/208V, 3ϕ, 4W 100 AMP MAIN LUGS FLUSH MOUNTED	22	3P-15	-	REPLACE EXISTING 1P-20 BREAKERS (CIRCUITS 20, 22 + 24) WITH NEW 3P-15 AMP BREAKER (CIRCUIT 22).

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ADDITION TO AND RENOVATION OF LIBERTY MIDDLE SCHOOL

James W. Roberts

JAMES W. ROBERTS REGISTERED 8383 STATE OF INDIANA PROFESSIONAL ENGINEER

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OF 22

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