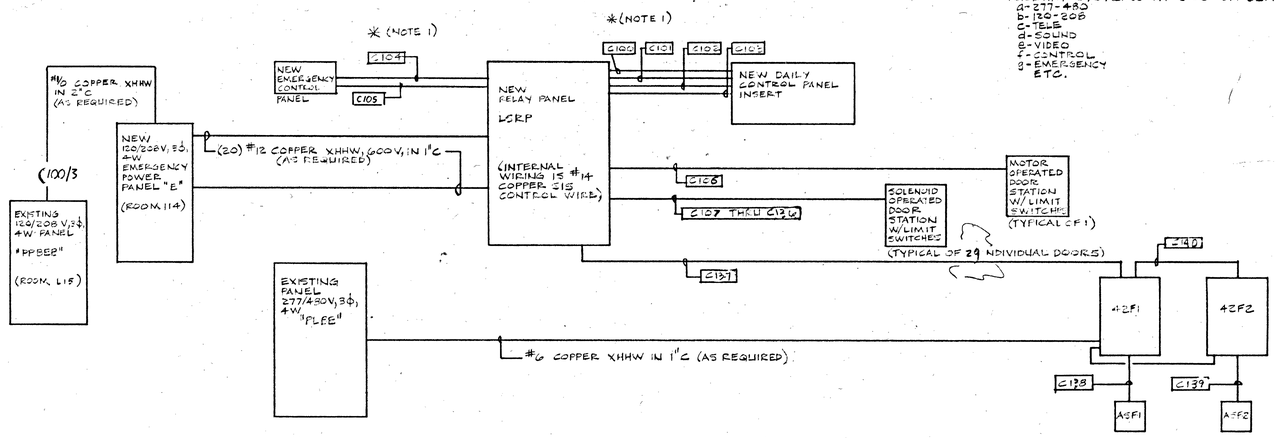
CONTROL CABLE SCHEDULE

CABLE	APPROX. QTY.	DESCRIPTION
C100 THRU C105	300 FEET	37/C - #16 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 1½"C.
C106	300 FEET	9/C - #12 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 1"C.
C107 THRU C136	600 FEET	5/C - #12 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 1"C.
C137	1000 FEET	9/C - #12 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 1"C.
C138 & C139	100 FEET	3/C - #12 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 3/4"C.
C140	300 FEET	7/C - #12 STRANDED COPPER, 600V CROSS LINK POLY INSULATED MULTIPLE CONDUCTOR CONTROL CABLE IN 1"C.

NOTES:

1) FIELD PULL IN #8 COPPER XHHW GROUND CONDUCTOR WITH CABLES SHOWN FOR PERMANENT GROUNDING OF DAILY PANEL AND EMERGENCY PANEL EQUIPMENT FRAMES.
2) ELECTRICAL CONTRACTOR SHALL STENCIL THE NEW RACEWAY SYSTEMS AT 5'-0" ON CENTER AS FOLLOWS:
   a - 277-480
   b - 120-208
   c - TELE
   d - SOUND
   e - VIDEO
   f - CONTROL
   g - EMERGENCY
   ETC.



BASIC BLOCK CABLE DIAGRAM - LIFE SAFETY SYSTEM INTERFACE

NOT TO SCALE

PANEL "E" SCHEDULE — IF 10,000
TYPE: NLAB-4L 14" WIDE — BRACING: 14,000
VOLTAGE: 120/208V, 3Ø, 4W — MOUNTING: SURFACE — MAINS: 150 AMP M.L.O.
TOTALS: ØA 10,740 ØB 11,040 ØC 9,700 = 32,380
AMP. CALC.: 32,380 ÷ 360 = 90 AMPS @ 1.25 = 112.5 AMPS

CIRCUIT DESCRIPTION	BKR	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR	CIRCUIT DESCRIPTION
ELEC. DOOR LOCK (1)	20/1	1	440			2	20/1	ELEC. DOOR LOCK (16)
(2)		3		440		4		(17)
(7)		5			440	6		(19)
(4)		7	440			8		(6)
(5)		9		440		10		(21)
(3)		11			440	12		(22)
(10)		13	440			14		LIGHTING
(11)		15		440		16		
(14)		17			440	18		FIRE ALARM PNL
(23)		19	440			20	20/1	RELAY CONTROL
Smoke Repeater Panels		21		440		22		
C.C.T.V.		23			500	24	3	
C.C.T.V.		25	500			26	20/1	EXH. FAN #40
C.C.T.V.		27		500		28		ELEC. DOOR LOCK (C3)
C.C.T.V.		29			500	30		(C4)
ELEC. DOOR LOCK (C5)		31				32		(24)
(41)		33				34		(25)
(42)		35				36		(26)
ELEC DOOR LOCKS (FUTURE)		37				38		(27)
SPARE		39				40		(C1)
		41				42		(C2)

REGISTERED PROFESSIONAL ENGINEER — FREDERICK W. ADAMS — ELECTRICAL POWER — NEVADA

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FOR: CITY OF LAS VEGAS
JAIL ANNEX RENOVATION

sheet title: CABLE DIAGRAMS & SCHEDS.

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