SCHEDULE OF PANEL L1A

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RMS: 132, 1233, 1234	1.0			20/1	1	2	20/1	1.5			RM: 1223
RM: 130	0.8				3	4		1.3			RM: 1212 AND DISPLAY CASE
RMS: 1227, 1228, 1229	0.6				5	6		1.0		.08	RMS:1213 – 1217, 1219, EF-6
LOBBY 1202, CORRIDOR 1203	0.8				7	8		0.7			RMS:1218, 1220 THRU 1222
RMS: 1206, 1210, 1208	0.3				9	10		0.3			RMS:1201, 2208(EXTERIOR AREA)
RMS: 1235, 1236	0.6				11	12		0.4			EXTERIOR PILLAR
RMS: 1237, 1238	0.6				13	14					SPACE
RMS: 1224, 1225, 1226	0.6				15	16					
SPACE					17	18					
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	9.7	1.0	9.7
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	9.7		9.7

PHASE KVA: A 4.6, B 3.3, C 2.68
DEMAND AMPS: 27

SCHEDULE OF PANEL L1B

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RMS: 1204, 1239	0.4			20/1	1	2	20/1	0.8			RMS: 1242, 1248, 1250, 1252
RM: 1240	0.6				3	4		0.6			RMS: 1243, 1244, 1245, 1246
RM: 1240	0.5				5	6		0.8			RMS: 1247, 1249, 1251
RM: 1240	0.9				7	8					SPACE
RM: 1240	0.9				9	10					
RMS: 1240, 1241	0.97				11	12					
RM: 1240	0.9				13	14					
RM: 1240	0.6				15	16					
RM: 1240	0.45				17	18					
SPACE					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	8.4	1.0	8.4
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	8.4		8.4

PHASE KVA: A 3.0, B 2.5, C 2.72
DEMAND AMPS: 23

SCHEDULE OF PANEL 2A

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RM: 2245		0.36		20/1	1	2	20/1		1.5		RM: 2242
		0.36			3	4			1.5		
RM: 2244		0.36			5	6			1.5		
		0.36			7	8			1.0		
RM: 2240		0.72			9	10			0.36		
		0.72			11	12			0.54		
		0.72			13	14			1.0		RM: 2229
		1.0			15	16			1.0		
		0.54			17	18			1.0		
		0.54			19	20			0.36		
RMS: 2240, 2243		0.72			21	22			0.36		RM: 2208
RM: 2241		0.36			23	24			0.50		RM: 2242
		0.54			25	26					
		1.00			27	28					
RM: 2242		1.50			29	30					
		1.50			31	32					SPACE
		1.50			33	34					
		1.50			35	36					
		1.50			37	38					
		1.50			39	40					
		1.50			41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	28.9	NEC 220.44	19.5
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	28.9		19.5

PHASE KVA: A 9.38, B 10.02, C 9.52
DEMAND AMPS: 54

SCHEDULE OF PANEL L2A

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RMS: 2240	1.0			20/1	1	2	20/1	0.9			RMS: 2242, 2229
CORRIDORS 2204, 2207	0.2				3	4		0.8			RMS: 2210, 2211, 2228
RMS: 2243, 2244, 2245	0.5				5	6		0.8			RM: 2215
CORRIDOR 2201	0.2				7	8		0.6			RMS: 2213,2214,2216,2217,2221
RM: 2241	0.4				9	10		0.9			RMS: 2220, 2225, 2226
SPACE					11	12		1.1			RMS: 2224, 2227
					13	14		0.8			RMS: 2209, 2223
					15	16		0.8			RMS: 2218, 2219, 2222
					17	18					SPACE
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	9.4	1.0	9.4
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	9.4		9.4

PHASE KVA: A 3.5, B 3.1, C 2.4
DEMAND AMPS: 26

SCHEDULE OF PANEL L2B

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RMS: 2236, 2238	1.0			20/1	1	2	20/1	0.9			RMS: 2202,2203,2230 THRU 2234
RMS: 2235, 2237	0.4				3	4		0.1			CORRIDOR 2206
SPACE					5	6					SPACE
					7	8					
					9	10					
					11	12					
					13	14					
					15	16					
					17	18					
					19	20					
					21	22					
					23	24					
					25	26					
					27	28					
					29	30					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	2.4	1.0	2.4
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	2.4		2.4

PHASE KVA: A 1.9, B 0.5, C 0.0
DEMAND AMPS: 6.7

SCHEDULE OF PANEL 2AA

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RM: 2216		0.5		20/1	1	2	20/1		0.36	0.15	RM: 2218
		0.5			3	4			1.0		RM: 2219
		1.0			5	6			1.0		
RM: 2215		1.0			7	8			1.0		
		1.0			9	10			0.36	0.15	
		1.0			11	12			0.36		
		1.0			13	14			1.0		RM: 2222
		1.0			15	16			1.0		
		1.0			17	18			1.0		
		1.0			19	20			1.0		
		1.0			21	22			1.0		
		1.0			23	24			1.0		
		1.0			25	26			1.0		
		1.0			27	28			1.0		
		1.0			29	30			1.0		
		0.36			31	32			1.0		
		0.54			33	34			1.0		
RM: 2218		0.36			35	36			1.0		
		1.0			37	38			1.0		
		1.0			39	40			1.0		
		1.0			41	42					SPACE

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	36.34	NEC 220.44	23.17
OTHER	0.30	.5	.15
SPARE:	–	–	–
TOTAL	36.64		23.22

PHASE KVA: A 12.37, B 12.55, C 11.72
DEMAND AMPS: 65

SCHEDULE OF PANEL 1A

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RM: 1233		0.36		20/1	1	2	20/1		0.36		RM: 1238
RM: 1233		0.36			3	4			0.36		RM: 1238
RM: 1234		0.36			5	6				0.9	RM: 1217 (REF)
RM: 1234		0.36			7	8				1.5	RM: 1217 (DISH WASH)
RM: 1232		0.54			9	10				1.5	RM: 1217 (GARBAGE DISPOSAL)
RM: 1232		0.36			11	12			1.5		RM: 1217 (SMALL APP. & HOOD)
RM: 1235		0.36			13	14			0.6		RM: 1217 (SMALL APPLIANCE)
		0.54			15	16	40/2			3.5	RM: 1217 (RANGE)
		0.36			17	18				3.5	
		0.54			19	20	20/1			0.6	ATU(S)
RMS: 1236, 1230		0.72			21	22				0.6	ATU(S)
RM: 1230		0.54			23	24				0.6	ATU(S)
		0.72			25	26				0.2	PA IN ROOM 1212
		0.72			27	28					SPARE
RM: 1237		0.36			29	30					
		0.36			31	32					
		0.36			33	34					SPACE
RM: 1208		0.36			35	36					
RM: 1207		0.18			37	38					
CORRIDOR 1203, LOBBY 1202		0.72			39	40					
OUTDOOR NORTH WALL		0.36			41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	12.7	NEC 220.44	11.4
OTHER	12.7	.6	7.62
SPARE:	–	–	–
TOTAL	25.4		19.0

PHASE KVA: A 5.94, B 9.92, C 9.20
DEMAND AMPS: 53

SCHEDULE OF PANEL 1AA

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RM: 1229		0.36		20/1	1	2	20/1		0.36		RM: 1219
		0.36			3	4			0.36		
		0.54			5	6			0.36		
RM: 1227		0.36			7	8			0.36		RM: 1213
RMS: 1227, 1229		0.54			9	10			0.36		
RM: 1226		0.36			11	12			0.36		
RM: 1226		0.36			13	14			1.0		
RM: 1224		0.54			15	16			1.5		RMS: 1214, 1215
RM: 1224		0.36			17	18			0.36		RM: 1218
RM: 1212		0.72			19	20			0.36		
		0.72			21	22			0.36		
		0.72			23	24			1.0		
		0.72			25	26			0.36		RM: 1220
		1.0			27	28			0.36		
		0.72			29	30			0.36		
RM: 1211		0.54			31	32			0.36		RM: 1221
RM: 1211		0.36			33	34			0.36		
RM: 1223		0.72			35	36			0.36		
		0.36			37	38			0.36		RM: 1222
		0.36			39	40			1.0		
RMS: 1223, 1216		0.54			41	42			1.0		

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	22.52	NEC 220.44	16.3
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	22.52		16.3

PHASE KVA: A 6.58, B 8.18, C 7.76
DEMAND AMPS: 45

SCHEDULE OF PANEL 1B

SERVICE	LTG.	REC.	OTHER	CB	Ckt	Ckt	CB	LTG.	REC.	OTHER	SERVICE
RM: 1240		0.72		20/1	1	2	20/1		1.0		RM: 1244
RM: 1240		0.72	0.30		3	4			1.0		RM: 1246
RM: 1240		0.72			5	6			0.9		RM: 1248
RM: 1240		0.72			7	8			0.9		
RM: 1240		0.72			9	10			0.9		
RM: 1240		0.72			11	12			0.54		RM: 1242
RM: 1240		0.54			13	14			0.54		RM: 1242
RM: 1240, 1204		0.54			15	16			0.36		RM: 1247
RM: 1240		0.72			17	18			0.36		RM: 1247
RM: 1240		0.72			19	20			0.8		RM: 1250
RM: 1240		0.72			21	22			1.5		
RM: 1240		1.0			23	24			1.5		
RM: 1247,1249 (EF-3,EF-4)			0.72		25	26			1.5		
RM: 1246 (EF-1)			0.69	15/1	27	28			0.54	0.48	RMS: 1252, 1251, 1252 EF-9
RM: 1248 (FC-2)			0.52	15/2	29	30			0.72		RMS: 1251, 1249, EAST WALL
			0.52		31	32				0.3	PA AMP IN ROOM 1242
RM: 1250 (FC-2)			0.52	15/2	33	34			0.54		RM: 1242
			0.52		35	36			0.54		RM: 1250 (COMM CABINET)
WATER DISPENSER			0.50	20/1	37	38			0.54		RM: 1250 (COMM CABINET)
WATER DISPENSER			0.50		39	40			0.54		RM: 1250 (COMM CABINET)
SPACE					41	42					SPARE

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: RECESSED MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	23.06	NEC 220.44	16.7
OTHER	3.67	0.8	2.9
SPARE:	–	–	–
TOTAL	26.73		19.6

PHASE KVA: A 9.18, B 9.49, C 8.22
DEMAND AMPS: 54

US Army Corps of Engineers
Sacramento District

Symbol | Description | Date | Approved

Designed by: F. LUM
Dwn by: J. F.
Spec No.: 1304
Reviewed by:
Submitted by: /s/ Section Chief
Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Design file no: 229-25-539
Drawing Code:
File name: N39E-604xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 'J' STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB, NEVADA
F/A-22 ADD/ALTER WEAPONS SCHOOL
PANEL SCHEDULES

Sheet reference number: E-604

UPDATE

Border Revised 03/01/04, COESHT02.DWG

SCHEDULE OF PANEL 2AB

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 2224		0.54		20/1	1	2	20/1		1.0		RM: 2223
		0.36			3	4			1.0		
		0.36	0.15		5	6			1.0		
		1.0			7	8			0.54		
		1.0			9	10			0.54	0.15	
		1.0			11	12			1.0		RM: 2214
		1.0			13	14			1.0		
RM: 2227		0.36			15	16			1.0		
		0.36	0.15		17	18			1.0		
		0.54			19	20			1.0		
		1.0			21	22			1.0		
		1.0			23	24			1.0		
		1.0			25	26			1.0		
RM: 2226		0.36			27	28			0.72		
		0.36			29	30			0.18		RM: 2201
RM: 2225		0.36			31	32	15/1			0.10	EF-10
		0.54			33	34					SPACE
RMS: 2221 AND 2220		0.36			35	36					
SPARE					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	24.48	NEC 220.44	17.24
OTHER	0.45	.5	0.2
SPARE:	1.5	–	–
TOTAL	26.43		17.44

PHASE KVA: A 8.98 B 8.03 C 7.92
DEMAND AMPS: 48

SCHEDULE OF PANEL 2AC

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 2209		1.0		20/1	1	2	20/1		1.0		RM: 2217
		1.0			3	4			0.54		
		1.0			5	6			0.54		
		0.36			7	8			0.54		
		0.36			9	10			0.54		RM: 2228
RM: 2210		0.36			11	12					SPACE
		0.36			13	14				0.6	ATU(S)
		0.36			15	16				0.6	ATU(S)
RM: 2211		0.36			17	18	15/2			0.52	RM: 2228, FC-2
		0.36			19	20				0.52	
		0.36			21	22	15/2			0.52	RM: 2217, FC-2
RM: 2217, CU-2			1.4	30/2	23	24				0.52	
			1.4		25	26	20/1		0.50		RM: 2217(COMM CABINET)
SPARE				20/1	27	28	20/1		0.50		RM: 2217(COMM CABINET)
				20/1	29	30	20/1		0.50		RM: 2217(COMM CABINET)

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	8.92	1.0	8.92
OTHER	9.2	0.8	7.4
SPARE:	1.5	–	–
TOTAL	19.62		16.32

PHASE KVA: A 6.14 B 4.28 C 4.70
DEMAND AMPS: 45

SCHEDULE OF PANEL 2B

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 2229		1.2		20/1	1	2	20/1		1.0		RM: 2236
		1.0			3	4			1.0		
		1.0			5	6			1.0		
RMS: 2202 AND 2203		0.72			7	8			0.36	0.15	
RM: 2230		1.5			9	10			0.36		
RM: 2232		1.5			11	12			1.0		RM: 2233
RM: 2238		1.0			13	14			1.0		
		1.0			15	16			1.0		
		1.0			17	18			0.5		
		0.36	0.15		19	20			0.5		RM: 2234
		0.36			21	22			0.5		RM: 2235
		0.54			23	24			0.5		RM: 2237
RM: 2232, EF-5			0.7		25	26			0.5		RM: 2233(COMM CABINET)
RM: 2233, FC-2			0.52	15/2	27	28			0.5		RM: 2233(COMM CABINET)
			0.52		29	30					SPACE
ATU(S)			0.6	20/1	31	32					
WATE DISPENSER			0.50		33	34					
WATE DISPENSER			0.50		35	36					
SPARE					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	19.9	NEC 220.44	14.95
OTHER	4.32	0.8	3.45
SPARE:	1.5	–	–
TOTAL	25.72		18.4

PHASE KVA: A 7.74 B 7.74 C 8.06
DEMAND AMPS: 51

SCHEDULE OF PANEL WL

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 1032	1.2			20/1	1	2	20/1	0.8			RM: 1030
RM: 1033	1.2				3	4		0.8			RM: 1031
RMS: 1034 AND 1035	0.4				5	6		0.8			RMS: 1025, 1026, 1027, 1028
RM: 1054	1.1				7	8		0.8			RM: 1029
RMS: 1055, 1056, 1057	0.5				9	10		0.2			RM: 1014
RM: 1058	0.8				11	12		0.6			RM: 1022
RM: 1059	0.6				13	14		0.7			RMS: 1020, 1021, 1023
RMS: 1060, 1061, 1062, 1063	0.9				15	16		1.0			RMS: 1016, 1017, 1018, 1019
RM: 1064	0.4				17	18		1.3			RM: 1037
RM: 1083	0.7				19	20		0.8			RMS: 1038, 1039, 1040
RM: 1082	0.8				21	22		0.7			RM: 1041
RMS: 1065, 1066	0.9				23	24		0.9			RM: 1042
RM: 1078	0.4				25	26		0.8			RMS: 1043,1044,1045,1046,1047
					27	28		0.7			CORRIDOR 1011, 1008, 1009
					29	30		0.9			RMS: 1048, 1049, 1050
					31	32		0.8			RMS: 1051, 1052, 1053
					33	34		0.7			RMS: 1069, 1070, 1072, 1073
					35	36		0.6			RM: 1071
					37	38		1.0			RMS: 1074, 1075
					39	40		0.4			RM: 1076
					41	42		0.5			RMS: 1076, 1077

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	23.5	1.0	23.5
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	23.5		23.5

PHASE KVA: A 9.70 B 7.90 C 8.10
DEMAND AMPS: 65

SCHEDULE OF PANEL EL

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RMS: 1119, 1121, 1005	1.0			20/1	1	2	20/1	0.9			RMS: 1116, 1118
RMS: 1122, 1123, 1124, 1126	0.9				3	4		0.5			RMS: 1117, 1115, 1114
RM: 1125	1.1				5	6		0.7			RM: 1089
RMS: 1127, 1128, 1130, 1132	0.9				7	8		0.7			RMS: 1090, 1091
RMS: 1135, 1136, 1137	0.9				9	10		0.3			RM: 1092
RM: 1129	0.6				11	12		1.0			RM: 1094
RM: 1133	0.7				13	14		0.6			RMS: 1095, 1096
RM: 1139	1.2				15	16		0.9			RM: 1105
RM: 1140	0.8				17	18		0.2			RMS: 1097, 1098
RMS: 1004, 1007, 1006	0.6				19	20		0.6			RMS: 1099, 1100
SPACE					21	22		0.6			RMS: 1101, 1102
					23	24		0.6			RMS: 1103, 1104
					25	26		0.7			RMS: 1107 THRU 1113
					27	28		0.6			RM: 1142
					29	30		0.9			RM: 1106
					31	32		0.4			RM: 1143
					33	34					SPARE
					35	36					
					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	18.5	1.0	18.5
RECEPT.	–	–	–
OTHER	–	–	–
SPARE:	1.5	–	–
TOTAL	20.0		18.5

PHASE KVA: A 6.7 B 5.9 C 5.9
DEMAND AMPS: 51

SCHEDULE OF PANEL WPA

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 1032		0.72		20/1	1	2	20/1		0.72		RM: 1054
		0.72			3	4			0.72		
		0.72			5	6			0.72		
		0.72			7	8			0.72		
		0.72			9	10			0.72		
		0.72			11	12			1.0		
		0.72			13	14			0.72		
RM: 1033		0.72			15	16			0.72		
		0.72			17	18			0.72		
		0.72			19	20			0.72		
		0.72			21	22			0.72		
		0.36			23	24			0.72		
		0.72			25	26			0.72		
RM: 1035		0.36			27	28			0.72		
		0.54			29	30			0.72		
RM: 1034		0.36			31	32			0.72		
		0.54			33	34			0.72		
RM: 1032		0.72			35	36			0.72		
RM: 1033		0.72			37	38			0.72		
RM: 1032		0.72			39	40				1.4	CU-1 1023
RM: 1032		0.72			41	42				1.4	CU-1 1022A

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	26.94	NEC 220.44	18.47
OTHER	2.8	1.0	2.8
SPARE:	–	–	–
TOTAL	29.74		21.27

PHASE KVA: A 9.72 B 10.22 C 10.50
DEMAND AMPS: 59

SCHEDULE OF PANEL WPB

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RMS: 155, 156		0.54		20/1	1	2	20/1		0.72		RM: 1058
RM: 156		1.0			3	4			0.72		
		0.54			5	6			0.72		
		0.72			7	8			0.36		
		0.72			9	10			0.72		
RM: 1057		0.54			11	12			0.72		
		0.72			13	14			1.0		
		0.72			15	16			0.36	0.15	
		0.36			17	18			0.72		RM: 1059
RM: 1066		0.72			19	20			0.54		
		1.0			21	22			0.72		
		0.72			23	24			0.72		
RM: 1065		0.72			25	26			0.72		
		0.72			27	28			0.72		RM: 1064
		0.54			29	30			0.72		
		0.72			31	32			1.0		
		0.72			33	34					SPACE
		0.72			35	36					
		0.54			37	38					
RM: 1057		1.0			39	40					
SPARE					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	24.1	NEC 220.44	17.5
OTHER	0.15	.5	0.08
SPARE:	–	–	–
TOTAL	24.25		17.13

PHASE KVA: A 9.02 B 9.27 C 7.02
DEMAND AMPS: 48

SCHEDULE OF PANEL WPC

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 1063		0.36		20/1	1	2	20/1		0.36		RM: 1049
		0.36			3	4			0.36		
		0.36			5	6			0.72		RM: 1048
RM: 1062		0.36			7	8			0.72		
		0.54			9	10			0.72		
RM: 1061		0.54			11	12			0.72	0.15	
		0.36			13	14			0.72		
		0.72			15	16			0.72		
SPACE					17	18			0.72		
					19	20			0.72		
					21	22			1.0		
					23	24					SPACE
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	11.08	NEC 220.44	10.54
OTHER	0.15	0.5	0.08
SPARE:	–	–	–
TOTAL	11.23		10.62

PHASE KVA: A 3.60 B 4.42 C 3.21
DEMAND AMPS: 30

SCHEDULE OF PANEL WPD

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG.	REC.	OTHER	CB	CKT	CKT	CB	LTG.	REC.	OTHER	SERVICE
RM: 1030		0.36		20/1	1	2	20/1		0.72		RM: 1019
		0.36			3	4			0.72		
		0.36	0.15		5	6			0.72		
		0.36			7	8			0.72	0.15	
		1.0			9	10			0.72	0.15	RM: 1017
		0.36			11	12			0.72		
RM: 1029		0.36			13	14			0.72		
		0.36			15	16			0.72		
		0.36	0.15		17	18			0.72		
		0.36			19	20			0.72		
		1.0			21	22			0.72		
		0.36			23	24			1.0		
RM: 1019		0.72			25	26			0.72		
		0.72			27	28			0.72		
		0.72			29	30			0.72		
		0.72			31	32			0.72		
		0.72			33	34			0.72		
		0.72			35	36					SPACE
		1.0			37	38					
		0.72			39	40					
		0.72			41	42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	24.88	NEC 220.44	17.44
OTHER	0.6	0.5	0.3
SPARE:	–	–	–
TOTAL	25.48		17.74

PHASE KVA: A 8.35 B 9.35 C 7.78
DEMAND AMPS: 48

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. F.
Spec No.: 1304
Reviewed by:
Submitted by: /s/ Section Chief
Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
File name: N39E-605xxx.dwg
Plot date:
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 'J' STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB NEVADA
F/A-22 ADD/ALTER WEAPONS SCHOOL

PANEL SCHEDULES

Sheet reference number:
E-605

UPDATE

Border Revised 01/01/04 COESHT02.DWG

SCHEDULE OF PANEL WPE

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1018		1.0		20/1	1	2	20/1		0.72		RM: 1021
		0.72			3	4			0.72		
		0.90			5	6			1.0		
RM: 1016		1.0			7	8			0.36		
		0.72			9	10			0.36		
		0.90			11	12			0.72		RM: 1020
FC-1 ROOM 1023			0.34		13	14			0.90		
FC-1 ROOM 1022A			0.34		15	16			1.0		
SPACE					17	18			0.72		RM: 1025
					19	20			0.72		
					21	22			0.34		
					23	24			1.0		
					25	26					SPACE
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	11.05	NEC 10.44	10.52
OTHER	.68	1.0	.68
SPARE:	–	–	–
TOTAL	11.73		11.2

PHASE KVA: A 5.04 B 4.20 C 5.58; DEMAND AMPS: 31

SCHEDULE OF PANEL WPF

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1031		0.72		20/1	1	2	20/1		0.36		RM: 1022A
		0.72			3	4			0.36		RM: 1022A
		0.72			5	6			0.36		RM: 1022
		0.72			7	8			0.36		
		0.72			9	10			0.36		
		0.36			11	12			0.36		
		0.36			13	14			0.36		
		1.0			15	16			0.36		RM: 1022A
RM: 1028		0.72			17	18			0.36		RM: 1022A
		0.72			19	20			0.36		RM: 1022A
		0.72			21	22			0.36		RM: 1022A
		0.36			23	24			0.36		RM: 1022
RM: 1027		0.72			25	26			0.36		
		0.72			27	28			0.5		
		1.0			29	30			0.5		
		0.54			31	32			0.72		
RM: 1026		0.72			33	34			1.0		
		0.72			35	36			0.72		
		1.0			37	38			0.72		
		0.36			39	40			0.18	0.15	
		0.36			41	42			–	–	SPACE

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–		–
RECEPT.	23.28	NEC 10.44	16.64
OTHER	0.15	0.5	0.08
SPARE:	–	–	–
TOTAL	23.43		16.72

PHASE KVA: A 8.02 B 8.51 C 6.90; DEMAND AMPS: 46

SCHEDULE OF PANEL WPG

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1041		0.72	0.15	20/1	1	2	20/1		0.6		RM: 1042
		0.72			3	4			0.6		
		0.72			5	6			0.6		
		0.72			7	8			0.6		
		0.72			9	10			0.6		
		1.0			11	12			0.6		
RM: 1042		0.36			13	14			0.6		
		0.36			15	16			0.6		
		0.36			17	18			0.6		
		0.36			19	20			0.6		
		1.0			21	22			0.6		
		1.0	0.15		23	24			0.6		
SPACE					25	26			0.6		
					27	28			0.6		
					29	30			0.6		
					31	32			0.6		
					33	34			0.6		
					35	36			0.6		
					37	38			0.6		
					39	40			0.6		
					41	42			0.6		

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	20.64	NEC 10.44	15.32
OTHER	0.3	.5	0.15
SPARE:	–	–	–
TOTAL	20.94		15.47

PHASE KVA: A 6.36 B 7.00 C 7.43; DEMAND AMPS: 43

SCHEDULE OF PANEL WPH

0.72

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1045		0.72		20/1	1	2	20/1		0.72		RM: 1046
		0.72			3	4			0.72		
		0.72			5	6			0.72		
		0.72			7	8			0.72		
		0.72			9	10			0.72		
		0.72			11	12			0.72		
		0.72			13	14			0.72	0.15	
		0.72			15	16			0.72		
		1.0			17	18			1.0		
RM: 1044		0.72			19	20			0.72		RM: 1047
		0.72			21	22			0.72		
		0.72			23	24			0.72		
		0.72			25	26			0.72	0.15	
		0.72			27	28			0.72		
		0.72			29	30			0.72		
		0.72			31	32			0.72		
		0.72			33	34			0.72		
		1.0			35	36			1.0		
RM: 1043		0.18			37	38			–		SPACE
SPACE		–			39	40			–		SPACE
SPACE		–			41	42			–		SPACE

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	27.22	NEC 10.44	18.6
OTHER	0.3	0.5	0.15
SPARE:	–	–	–
TOTAL	27.52		18.85

PHASE KVA: A 9.12 B 8.64 C 9.76; DEMAND AMPS: 52

SCHEDULE OF PANEL WPI

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1053		0.72		20/1	1	2	20/1		0.90		RM: 1051
		0.72			3	4			0.72		
		0.72			5	6			0.72		
		0.72			7	8			0.72		
		0.72			9	10			0.72		
		0.72			11	12			0.72		
		0.72			13	14			1.0		
		0.72			15	16			0.72		RM: 1052
		0.72			17	18			0.72		
		0.72			19	20			0.72		
		0.72			21	22			0.72		
		0.72			23	24			0.72		
		1.0			25	26			0.72		
RM: 1050		0.72			27	28			0.36		
		0.72			29	30			1.0		
		0.72			31	32				0.40	ATU(S)
		0.72			33	34				0.40	ATU(U)
		0.72			35	36			0.36		RM: 1069
		0.72			37	38			0.36		RM: 1070
		1.0			39	40			0.54		RM: 1071
SPACE		–			41	42			0.36		RM: 1071

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	26.14	–	18.07
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	26.14		18.07

PHASE KVA: A 10.14 B 9.50 C 8.92; DEMAND AMPS: 50

SCHEDULE OF PANEL WPJ

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1038		0.54		20/1	1	2	20/1		0.72		RM: 1037
RM: 1039		0.54			3	4			0.72		
RM: 1040		0.36			5	6			0.72		
		0.72			7	8			0.72		
		0.72			9	10			0.72		
		0.72			11	12			0.72		
		0.72			13	14			1.0		
		0.72			15	16			0.54		
		0.72			17	18					SPACE
		0.72			19	20					
		0.72			21	22					
SPACE					23	24					
					25	26					
					27	28					
					29	30					
					31	32					
					33	34					
					35	36					
					37	38					
					39	40					
					41	42					

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	13.06	–	11.53
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	13.06		11.53

PHASE KVA: A 5.14 B 4.68 C 3.24; DEMAND AMPS: 32

SCHEDULE OF PANEL WPK

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1083		0.72		20/1	1	2	20/1		0.36		RM: 1086
		0.72			3	4			1.0		
		0.72			5	6			0.72		
		0.72			7	8			0.72		
		1.0			9	10			0.36		RM: 1072
		0.72			11	12			0.36		RM: 1073
		0.72			13	14			0.72		RM: 1074
RM: 1084		0.72			15	16			0.72		
		0.72			17	18			0.72		
		1.0			19	20			0.72		
RM: 1085		0.72			21	22			0.72		
		0.72			23	24			0.72		
		1.0			25	26			1.0		
RM: 1076 *		0.36			27	28			0.72		RM: 1075
		0.36			29	30			0.72		
		0.36			31	32			0.72		
		0.36			33	34			0.72	0.15	
		0.36			35	36			0.72		
		1.0			37	38			0.72		
RM: 1077 *		0.72			39	40			1.0		
		0.72			41	42					SPACE

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	18.78	NEC 10.44	14.39
OTHER	0.15	.5	0.08
SPARE:	–	–	–
TOTAL	18.93		14.47

PHASE KVA: A 10.48 B 9.99 C 8.28; DEMAND AMPS: 40

SCHEDULE OF PANEL EPA

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1121		0.36		20/1	1	2	20/1		0.72		RM: 1126
		0.18			3	4			0.72	0.15	
		0.18			5	6			0.72		
		0.18			7	8			1.0		
		0.54			9	10			0.36		RM: 1128
RM: 1122		0.36			11	12			0.36		
		0.18			13	14			0.72		RM: 1129
RM: 1123		0.36			15	16			1.0		
		0.36			17	18			0.18	0.15	
RM: 1124		0.36			19	20					SPACE
		0.36			21	22					
RM: 1125		0.72			23	24					
		0.72	0.15		25	26					
		0.72			27	28					
		0.72			29	30					
		0.72			31	32					
		1.0			33	34					
CU-2 ROOM 118			1.4	30/2	35	36					
			1.4		37	38					
FC-2 ROOM 118			0.52	15/2	39	40					
			0.52		41	42					

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	13.80	–	11.9
OTHER	4.29	–	4.29
SPARE:	–	–	–
TOTAL	18.09		16.19

PHASE KVA: A 6.51 B 5.91 C 5.67; DEMAND AMPS: 45

SCHEDULE OF PANEL EPB

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	CB	CKT	CKT	CB	LTG. (KVA)	REC. (KVA)	OTHER (KVA)	SERVICE
RM: 1130		0.72		20/1	1	2	20/1		0.72		RM: 1132
		0.72			3	4			0.72	0.15	
		0.72			5	6			1.0		
		0.72			7	8			0.72		RM: 1136
SPACE					9	10			0.72		
RM: 1130		0.72			11	12			0.72		
		0.72			13	14			0.72		
		0.72			15	16			1.0		
SPACE					17	18			0.54		
RM: 1130		0.72			19	20			0.72		
RM: 1131		0.72			21	22			0.72		
		0.72	0.15		23	24			0.72		
		1.0			25	26			0.72		
RMS: 1131 AND 1133		0.36			27	28			0.72		
RM: 1133		0.36			29	30			0.72		RM: 1134
RM: 1130 SIMULATOR RECEPTACLE		1.2		30/2	31	32			0.72		
		1.2			33	34			0.54		RM: 1135
RM: 1130 SIMULATOR RECEPTACLE		1.2		30/2	35	36					SPACE
		1.2			37	38					
SPACE					39	40					
SPACE					41	42					

VOLTS: 208/120 PHASE: 3ø BUS: 100A AIC: 10,000 MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	26.16	NEC	18.08
OTHER	0.3	0.5	0.15
SPARE:	–	–	–
TOTAL	26.46		18.23

PHASE KVA: A 10.60 B 8.29 C 7.57; DEMAND AMPS: 51

US Army Corps of Engineers
Sacramento District

Symbol | Description | Date | Approved

Designed by: F. LUM | Date: 10/21/05 | Rev.
Dwn by: J. F. | Spec No.: 1304 | Design file no: 229-25-539
Reviewed by: | Drawing Code:
Submitted by: /s/ Section Chief, Chief, Mech/Elec. Des. Sec. | File name: N39E-606xxx.dwg | Plot date: | Dwg scale: AS NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 'J' STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

PANEL SCHEDULES

Sheet reference number: E-606

UPDATE

SCHEDULE OF PANEL EPC

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LOAD (KVA) LTG.	REC.	OTHER	CB	A B C	CB	LOAD (KVA) LTG.	REC.	OTHER	SERVICE
RM: 1090		0.54		20/1	1 2	20/1		0.72		RM: 1094
		0.54			3 4			0.72		
RM: 1091		0.54			5 6			0.72		
		0.72			7 8			0.72		
RM: 1089		0.72			9 10			0.72		
		0.72			11 12			0.72		
		0.54			13 14			0.72		
		0.90			15 16			0.72		
RM: 1092		0.72			17 18			0.72		
		0.72			19 20			0.72		
RM: 1095		0.54			21 22			0.72		
		0.54			23 24			0.72		
RM: 1096		0.54			25 26			0.72		
		0.54			27 28			0.72		
RMS: 1115 AND 1114		0.36			29 30			0.72		RM: 1115
SPACE					31 32			0.72		
					33 34			0.72		
					35 36			0.72		
					37 38			0.72		
					39 40			0.72		
					41 42			0.72		

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	18.36	–	14.18
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	18.36		14.18

PHASE KVA: A 8.10, B 8.28, C 7.92
DEMAND AMPS: 39

SCHEDULE OF PANEL EPD

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LOAD (KVA) LTG.	REC.	OTHER	CB	A B C	CB	LOAD (KVA) LTG.	REC.	OTHER	SERVICE
RM: 1105		0.54	0.15	20/1	1 2	20/1		0.72		RM: 1103
		0.72			3 4			0.72		
		0.72			5 6			0.54		
		0.54			7 8			1.0		
		0.54			9 10			0.72		RM: 1104
		1.0			11 12			0.72		
RM: 1099		0.72			13 14			0.54		
		0.72			15 16			1.0		
		0.54			17 18			0.72		RM: 1102
		1.0			19 20			0.72		
RM: 1101		0.72			21 22			0.54		
		0.72			23 24			1.0		
		0.54			25 26			0.72		RM: 1100
		1.0			27 28			0.72		
RM: 1105		0.72			29 30			0.54		
SPACE					31 32			1.0		
					33 34					SPACE
					35 36					
					37 38					
					39 40					
					41 42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	22.94	–	16.47
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	22.94		16.47

PHASE KVA: A 8.19, B 7.40, C 7.22
DEMAND AMPS: 46

SCHEDULE OF PANEL EPE

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LOAD (KVA) LTG.	REC.	OTHER	CB	A B C	CB	LOAD (KVA) LTG.	REC.	OTHER	SERVICE
RM: 1106		0.72		20/1	1 2	20/1			6.3	RM: 1106 SIMULATOR
		0.72			3 4				6.3	
		0.72			5 6				6.3	
		0.72			7 8			0.36		RM: 1107
		0.72			9 10			0.18		
		0.72			11 12			0.18		
		0.72			13 14			0.5		RM: 1109
		0.72			15 16			0.5		
		0.72			17 18			1.0		
		0.72			19 20			1.0		
		0.54			21 22			0.5		
		0.36			23 24			0.5		
SIMULATOR			1.2		25 26			0.5		
SIMULATOR			1.2		27 28			0.5		
SPACE					29 30			0.5		
					31 32			0.5		
					33 34			0.5		
					35 36					SPACE
					37 38					
					39 40					
					41 42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	13.04	REC. 22kA	13.52
OTHER	21.9	0.8	17.52
SPARE:	–	–	–
TOTAL	34.94		31.04

PHASE KVA: A 12.24, B 11.38, C 10.00
DEMAND AMPS: 86

SCHEDULE OF PANEL EPF

PROVIDE 200% RATED NEUTRAL BUS

SERVICE	LOAD (KVA) LTG.	REC.	OTHER	CB	A B C	CB	LOAD (KVA) LTG.	REC.	OTHER	SERVICE
RM: 1139		0.72		20/1	1 2	20/1		0.72		RM: 1140
		0.72	0.15		3 4			0.72	0.15	
		0.72			5 6			0.72		
		0.72			7 8			0.72		
		0.72			9 10			0.72		
		0.72			11 12			0.72		
		0.72			13 14			0.72		
		1.0			15 16			1.0		
RMS: 1139 AND 1140		0.36			17 18			0.72		RM: 1141
RMS: 1137		0.50			19 20			0.72		
		0.50			21 22			0.36		RMS: 1141 AND 1142
		0.50			23 24			1.0		RM: 1141
		0.50			25 26			1.0		RM: 1140
		0.50			27 28					SPACE
		0.50			29 30					
SPACE					31 32					
					33 34					
					35 36					
					37 38					
					39 40					
					41 42					

VOLTS: 208/120 PHASE: 3ø
BUS: 100A AIC: 10,000
MAINS: LUGS MOUNTING: RECESSED

LOAD SUMMARY:

	CONN. (KVA)	D.F.	DEMAND (KVA)
LIGHTING	–	–	–
RECEPT.	16.24	–	15.11
OTHER	–	–	–
SPARE:	–	–	–
TOTAL	16.24		15.11

PHASE KVA: A 6.04, B 5.54, C 4.96
DEMAND AMPS: 42

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. F.
Reviewed by:
Submitted by: F&F Section Chief
Date, Name/Desc, Sec.

Date: 10/21/05
Rev.
Design File no: 229-25-539
Space No.: 1304
Drawing Code:
File name: N39E-607xx.dwg
Plot date:
Plot scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 "J" STREET
SACRAMENTO, CA 95814-2922

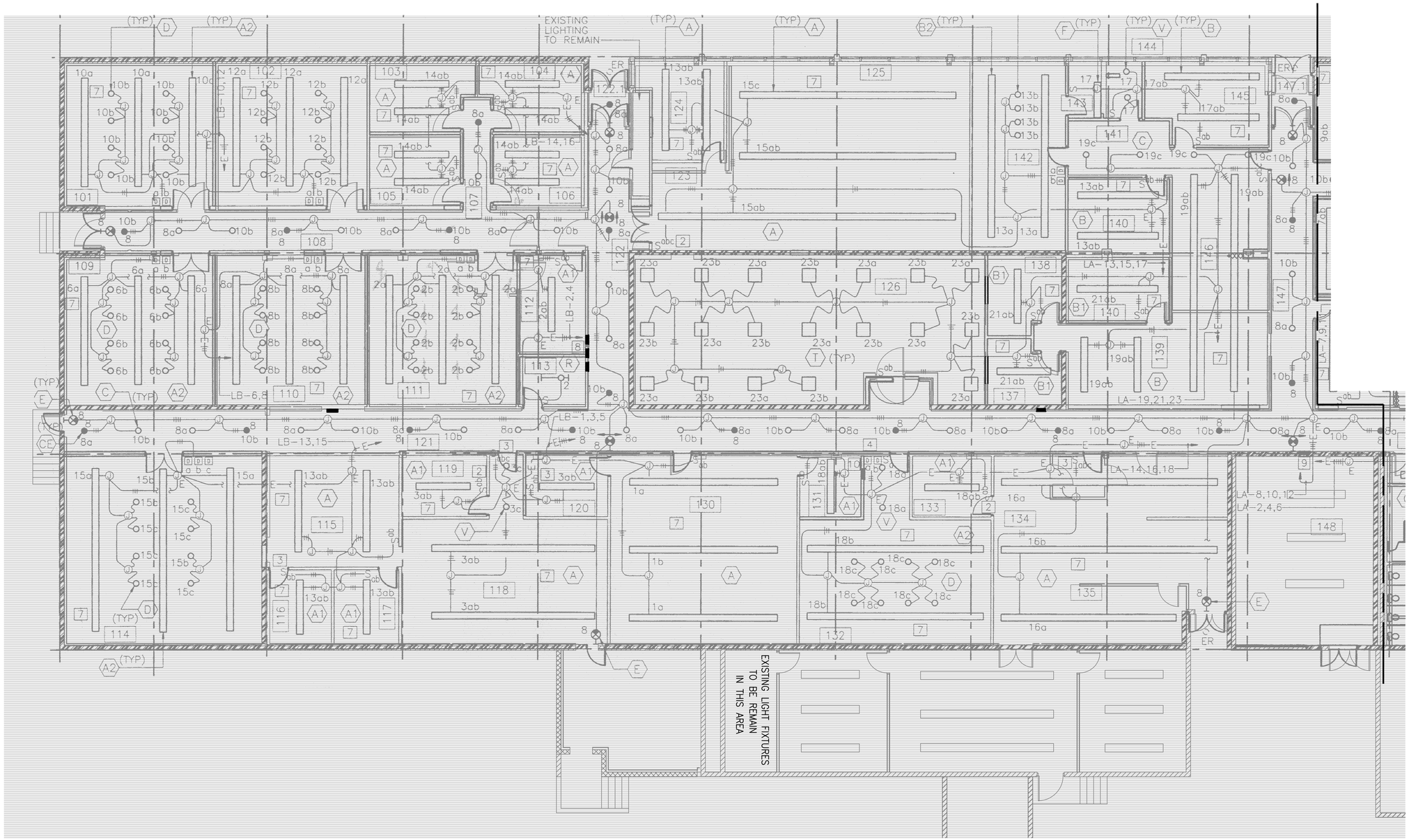
NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

PANEL SCHEDULES

Sheet reference number:
E-607

UPDATE

Border Revised 03/01/04, CQS3R02.DWG

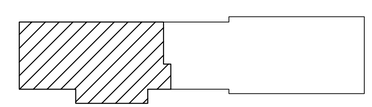


DEMOLITION LIGHTING FLOOR PLAN – BUILDING 282 – AREA A

SCALE: 1/8" = 1'-0

GENERAL NOTES:

1. REMOVE ALL LIGHTING FIXTURES AND ASSOICATED WIRING, CONDUITS BACK TO THE LIGHTING PANEL.
2. ALL EXISTING LIGHTING PANELS SHALL REMAIN.



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by:
Submitted by: F. Thomas E. Nissen
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
File name: N39E-700xxx.dwg
Plot date:
Plot scale: AS_NOTED

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SACRAMENTO, CALIFORNIA

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IN-HOUSE DESIGN
1325 "J" STREET
SACRAMENTO, CA 95814-2922

NEVADA

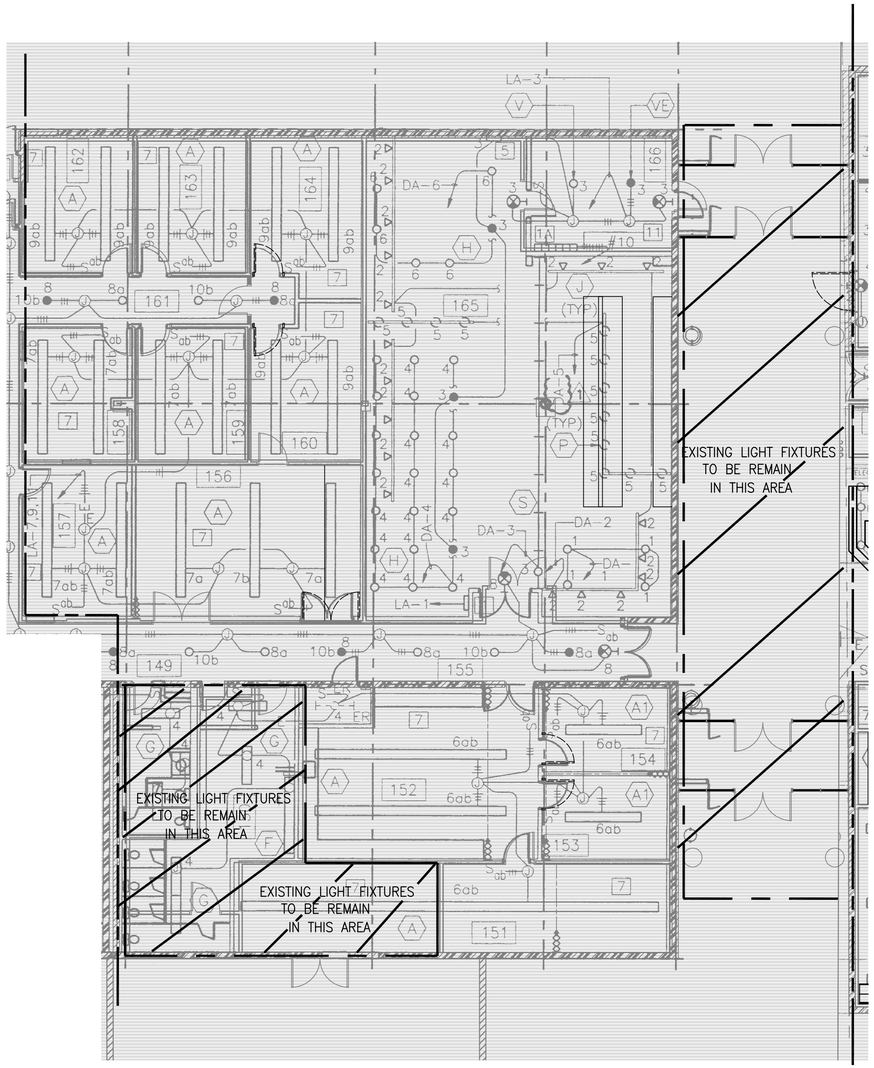
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

DEMOLITION LIGHTING FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA A

Sheet reference number:

E-701

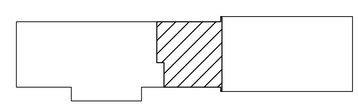


DEMOLITION LIGHTING FLOOR PLAN – BUILDING 282 – AREA B

SCALE: 1/8" = 1'-0

GENERAL NOTES:

1. REMOVE ALL LIGHTING FIXTURES AND ASSOICATED WIRING, CONDUITS BACK TO THE LIGHTING PANEL, UNLESS OTHERWISE NOTED.
2. ALL EXISTING LIGHTING PANEL SHALL REMAIN.



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

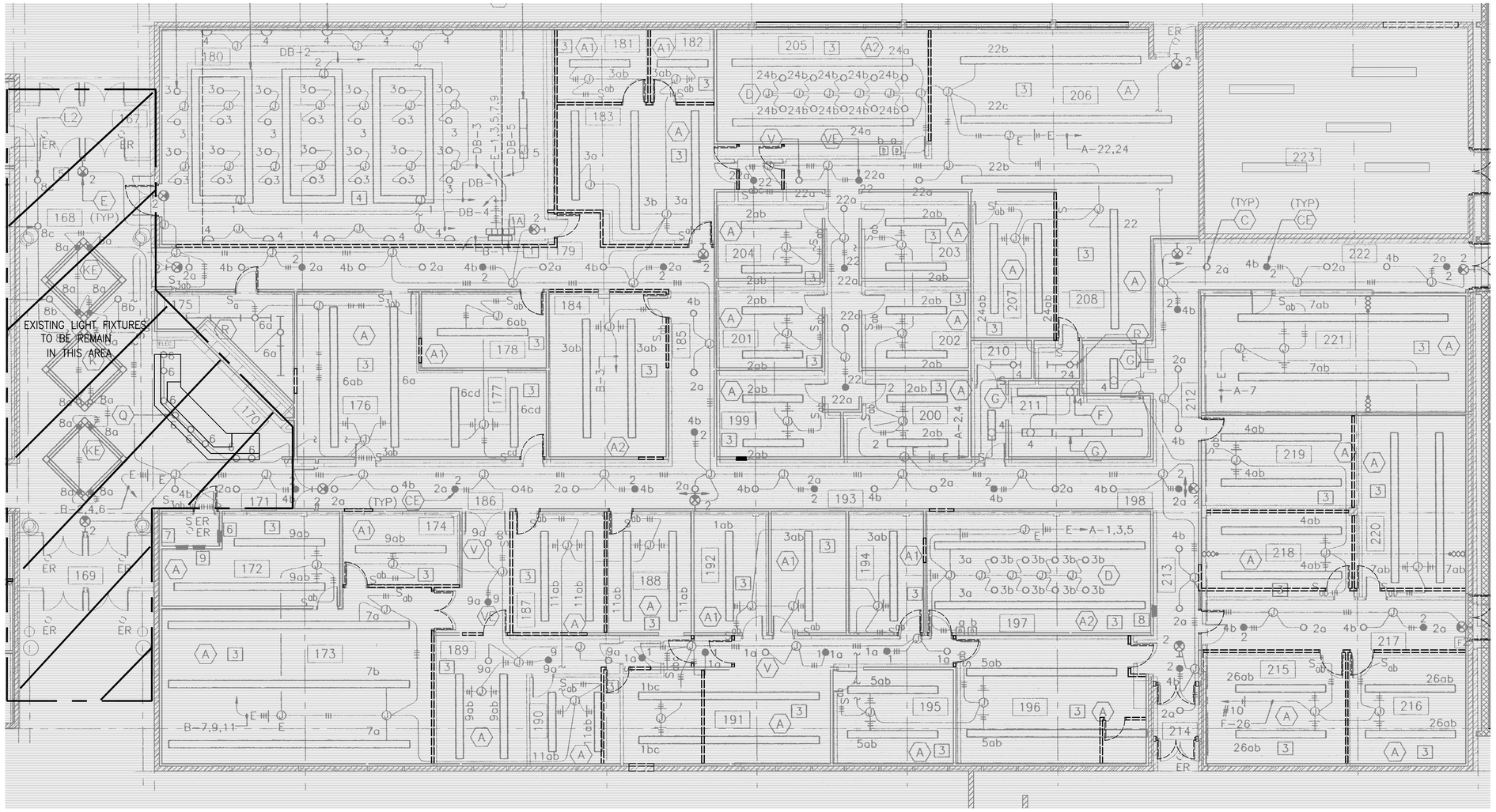
Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Spec No.: 1304
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
File name: N39E-701xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Submitted by: /s/ Thomas F. Nissen
Chief, Mech./Elec. Des. Sec.

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION LIGHTING FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA B

Sheet reference number:
E-702

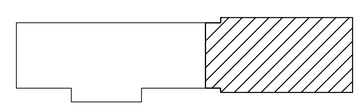


DEMOLITION LIGHTING FLOOR PLAN – BUILDING 282 – AREA C

SCALE: 1/8" = 1'-0

GENERAL NOTES:

1. REMOVE ALL LIGHTING FIXTURES AND ASSOICATED WIRING, CONDUITS BACK TO THE LIGHTING PANEL, UNLESS OTHERWISE NOTED.
2. ALL EXISTING LIGHTING PANELS SHALL REMAIN.



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nissen Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
File name: N39E-702xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

SACRAMENTO DISTRICT
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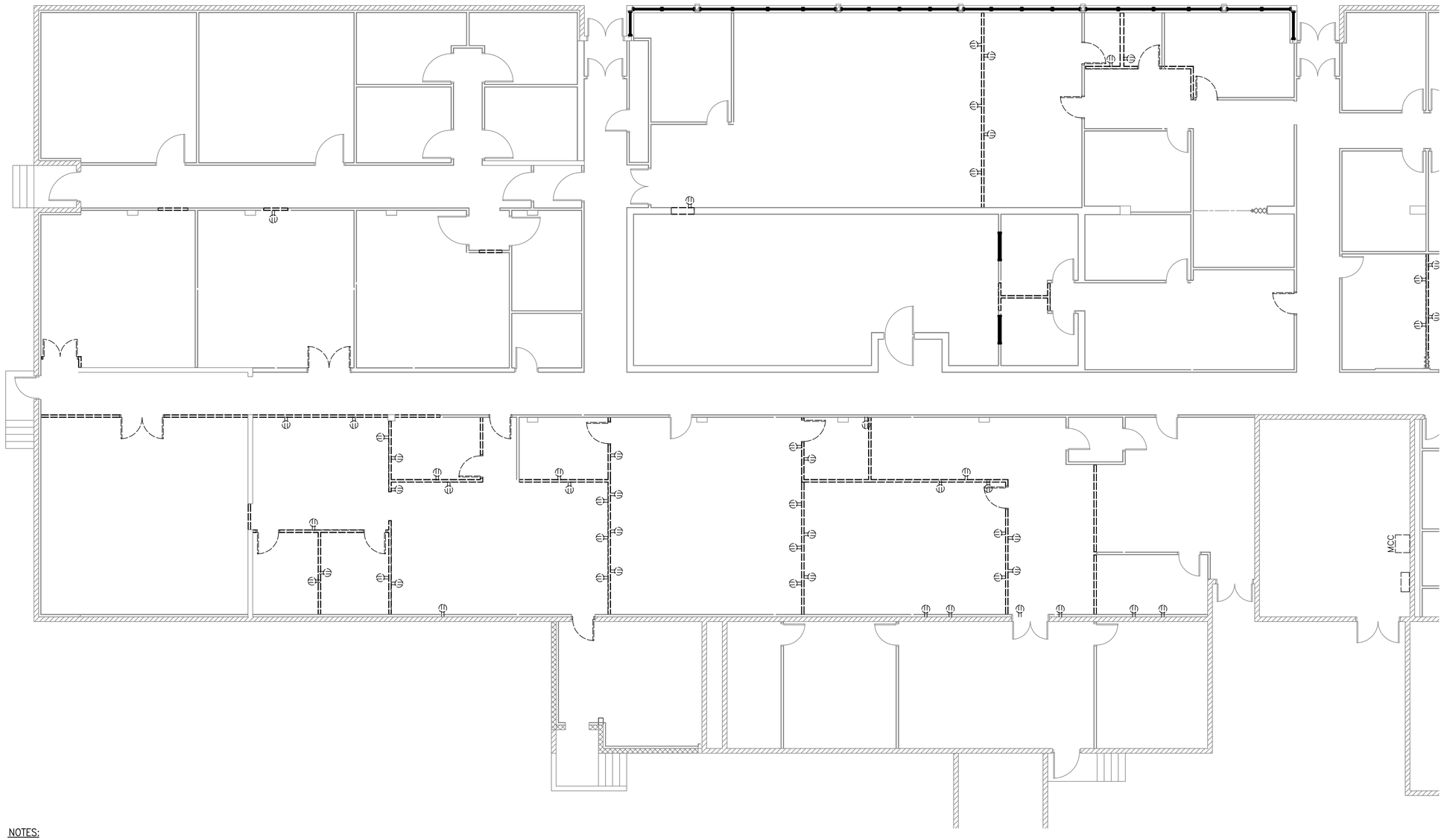
1325 J STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB NEVADA
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION LIGHTING FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA C

Sheet reference number:
E-703

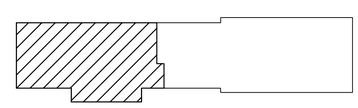


NOTES:

1. REMOVE ALL EXISTING RECEPTACLES AS SHOWN ON THE PLAN AND ITS ASSOCIATED WIRES.
2. EXISTING RECEPTACLES NOT SHOWN, BUT ARE CONNECTED TO THE SAME CIRCUIT AS THE REMOVED RECEPTACLE. IT SHALL BE REWIRED TO BE OPERATIONAL AFTER THE REMOVAL OF ALL THE INDICATED RECEPTACLES ON THE PLAN.
3. ALL EXISTING POWER AND LIGHTING PANELS SHALL REMAIN. SEE SHEET E-603 ONE-LINE DIAGRAM

DEMOLITION POWER FLOOR PLAN – BUILDING 282 – AREA A

SCALE: 1/8" = 1'-0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Spec No.: 1304
Date: 10/21/05
Rev.
Design file no.: 229-25-539
Drawing Code:
File name: N39E-704xxx.dwg
Plot date:
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
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SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
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SACRAMENTO, CA 95814-2922

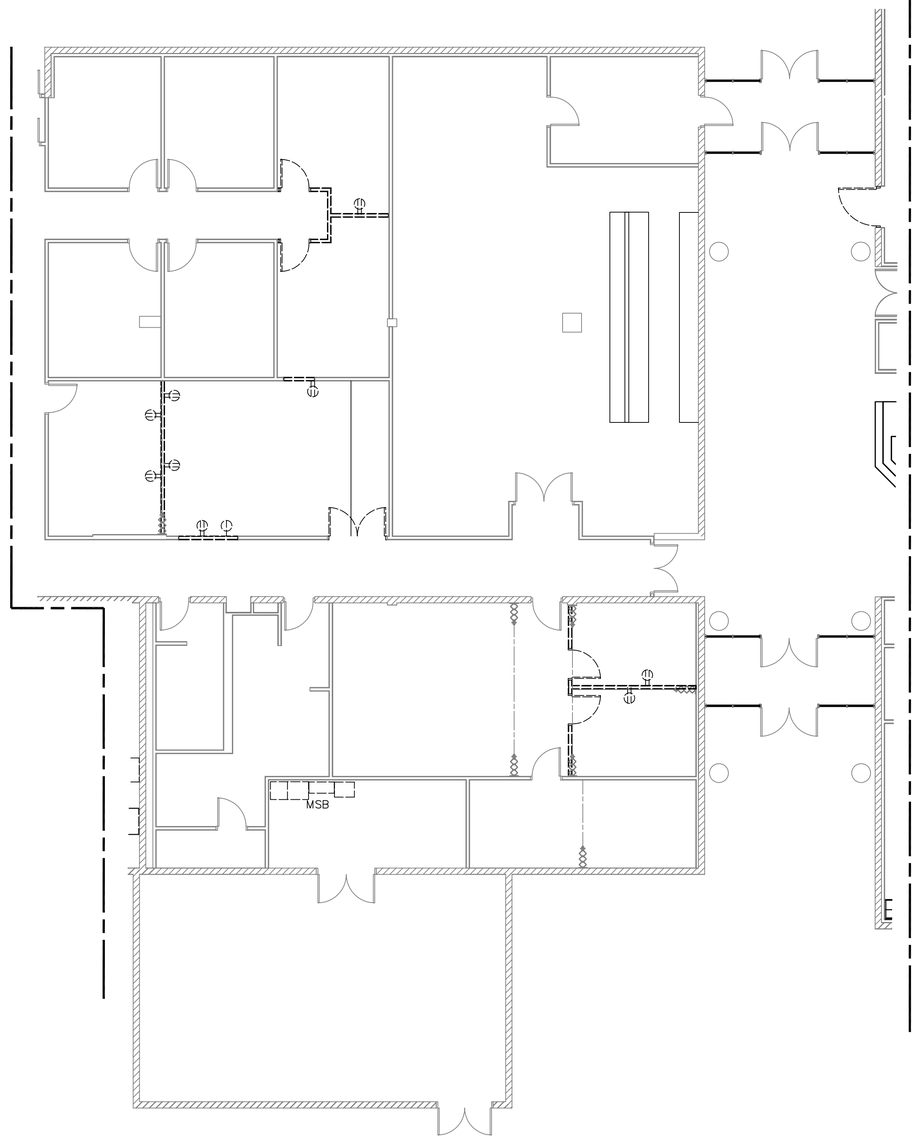
NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

DEMOLITION POWER FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA A

Sheet reference number:
E-704

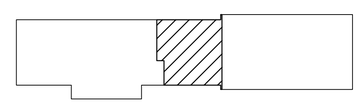
Border Revised 03/01/04, CCESH1D2.DWG

9/15/2004 10:50am N39E-704xxx.dwg



NOTES:

1. REMOVE ALL EXISTING RECEPTACLES AS SHOWN ON THE PLAN AND ITS ASSOCIATED WIRES.
2. EXISTING RECEPTACLES NOT SHOWN, BUT ARE CONNECTED TO THE SAME CIRCUIT AS THE REMOVED RECEPTACLE. IT SHALL BE REWIRED TO BE OPERATIONAL AFTER THE REMOVAL OF ALL THE INDICATED RECEPTACLES ON THE PLAN.
3. ALL EXISTING POWER AND LIGHTING PANELS SHALL REMAIN. SEE SHEET E-603 ONE-LINE DIAGRAM



KEY PLAN
NTS

DEMOLITION POWER FLOOR PLAN – BUILDING 282 – AREA B

SCALE: 1/8" = 1'-0

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Spec No.: 1304
Date: 10/21/05
Rev.
Design file no.: 229-25-539
Drawing Code:
File name: N39E-705xxx.dwg
Plot date:
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

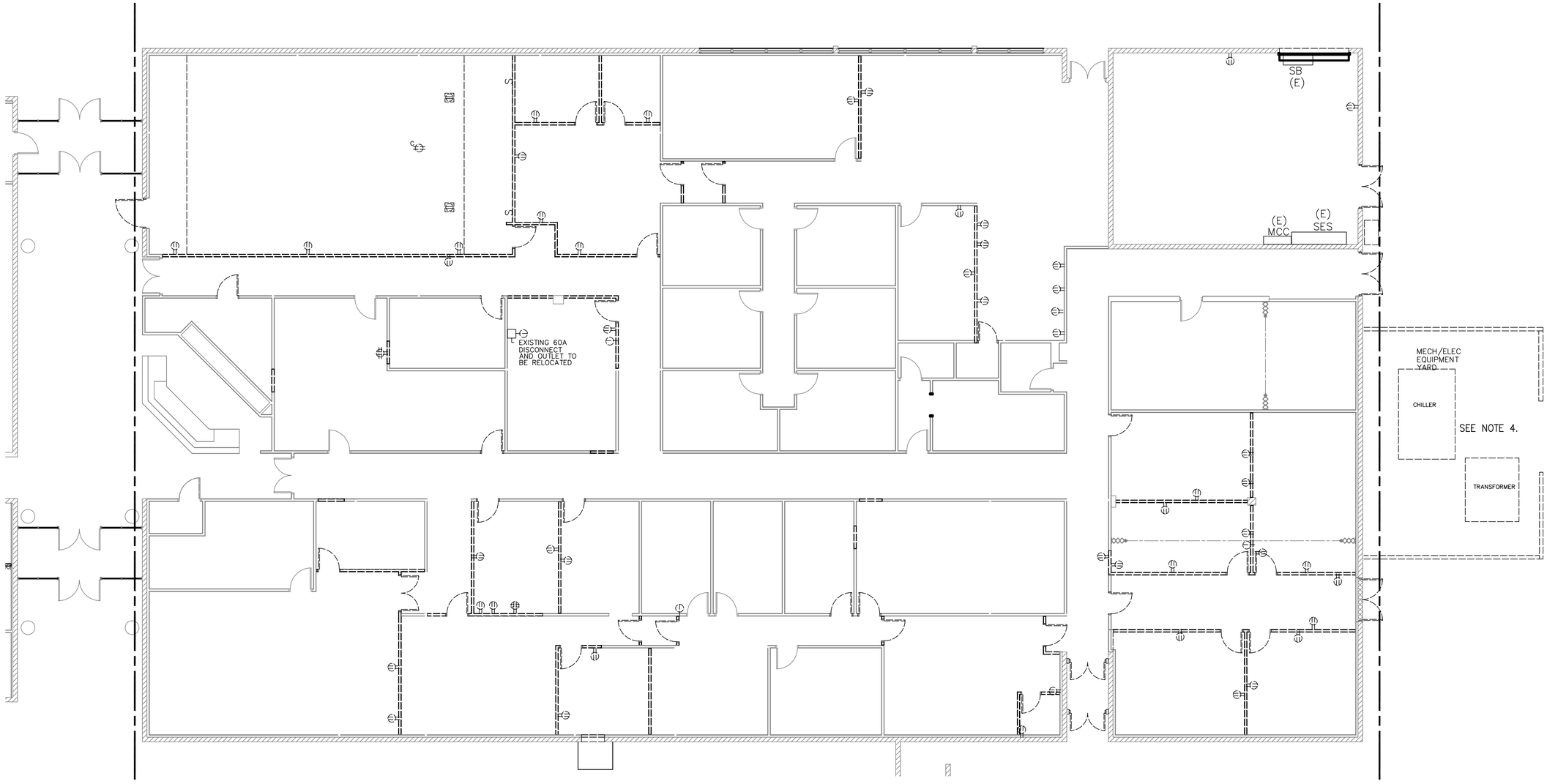
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION POWER FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA B

Sheet reference number:
E-705

Border Revised 03/01/04, CDESIN702.DWG

9/15/2004 10:50am N39E-705xxx.dwg

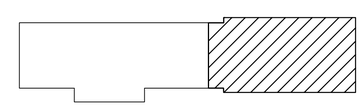


NOTES:

1. REMOVE ALL EXISTING RECEPTACLES AS SHOWN ON THE PLAN AND ITS ASSOCIATED WIRES.
2. EXISTING RECEPTACLES NOT SHOWN, BUT ARE CONNECTED TO THE SAME CIRCUIT AS THE REMOVED RECEPTACLE. IT SHALL BE REWIRED TO BE OPERATIONAL AFTER THE REMOVAL OF ALL THE INDICATED RECEPTACLES ON THE PLAN.
3. ALL EXISTING POWER AND LIGHTING PANELS SHALL REMAIN. SEE SHEET E-602 ONE-LINE DIAGRAM
4. RELOCATE EXISTING PADMOUNTED TRANSFORMER. SEE SHEET E-121 FOR PHASE I WORK. RECONNECT THE EXISTING TRANSFORMER TO THE EXISTING 'SES'. RECONNECT POWER TO THE RELOCATED CHILLER SEE MECH SHEET.

DEMOLITION POWER FLOOR PLAN – BUILDING 282 – AREA C

SCALE: 1/8" = 1'-0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by:
Submitted by: /s/ Thomas E. Nissen Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Design file no: 229-25-539
Drawing Code:
File name: N39E-706xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION POWER FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA C

Sheet reference number:
E-706

Border Revised 03/01/04, 02E3/102.DWG

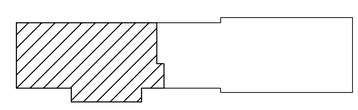
9/15/2004 10:50am N39E-706xxx.dwg

NOTES:

1. REMOVE ALL EXISTING SPEAKERS AND PA SYSTEM.
2. ALL EXISTING COMMUNICATION OUTLETS SHALL REMAIN, UNLESS THE EXISTING WALLS ARE TO BE REMOVED. THE COMMUNICATION OUTLETS ON THAT REMOVED WALL WILL BE REMOVED.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES.

DEMOLITION COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA A

SCALE: 1/8" = 1'-0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by:
Submitted by: Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Design file no: 229-25-539
Drawing Code:
File name: N39E-707xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

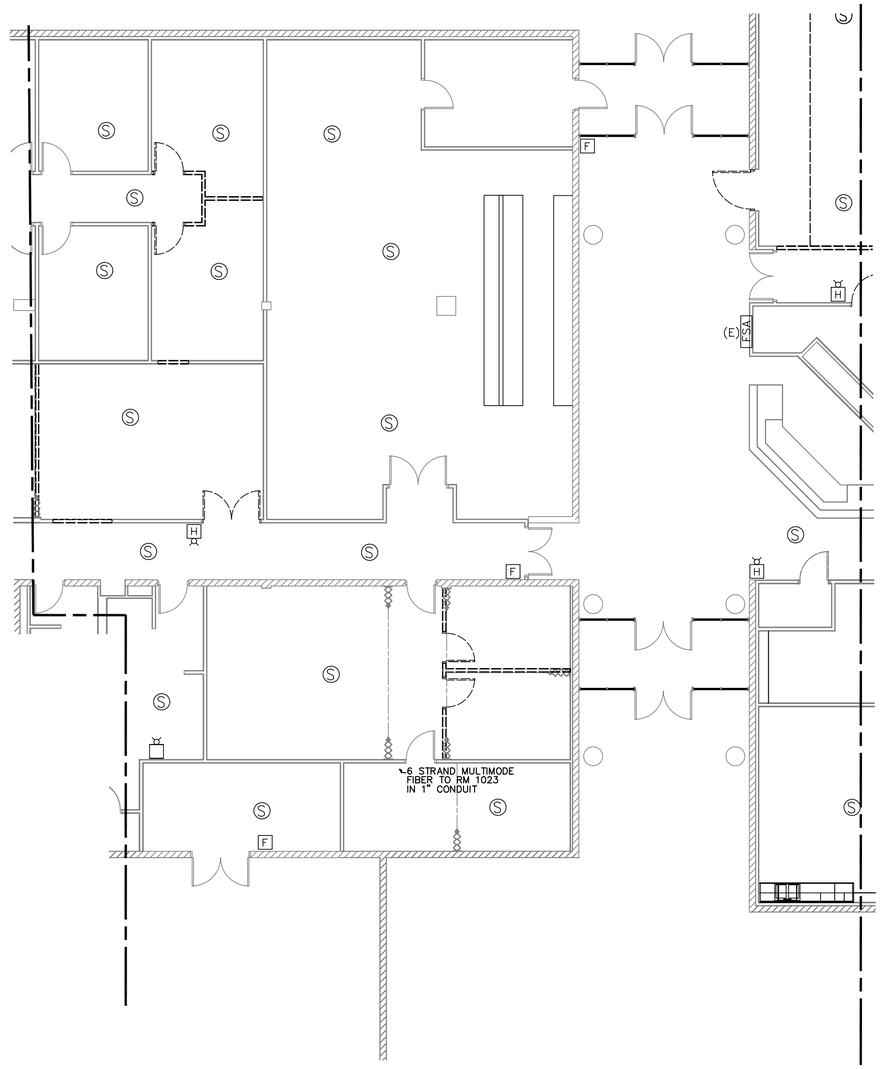
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB
NEVADA
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA A

Sheet reference number:
E-707

Border Revised: 03/01/04, 02E3910.DWG

9/15/2004 10:50am N39E-707xxx.dwg



NOTES:

1. REMOVE ALL EXISTING SPEAKERS AND PA SYSTEM.
2. ALL EXISTING COMMUNICATION OUTLETS SHALL REMAIN, UNLESS THE EXISTING WALLS ARE TO BE REMOVED. THE COMMUNICATION OUTLETS ON THAT REMOVED WALL WILL BE REMOVED.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES.

DEMOLITION COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA B

SCALE: 1/8" = 1'-0

KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Rev.
Design file no: 229-25-539
Spec No.: 1304
Drawing Code:
File name: N39E-708xxx.dwg
Plot date:
Dwg scale: AS_NOTED

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SACRAMENTO DISTRICT
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1325 J STREET
SACRAMENTO, CA 95814-2922

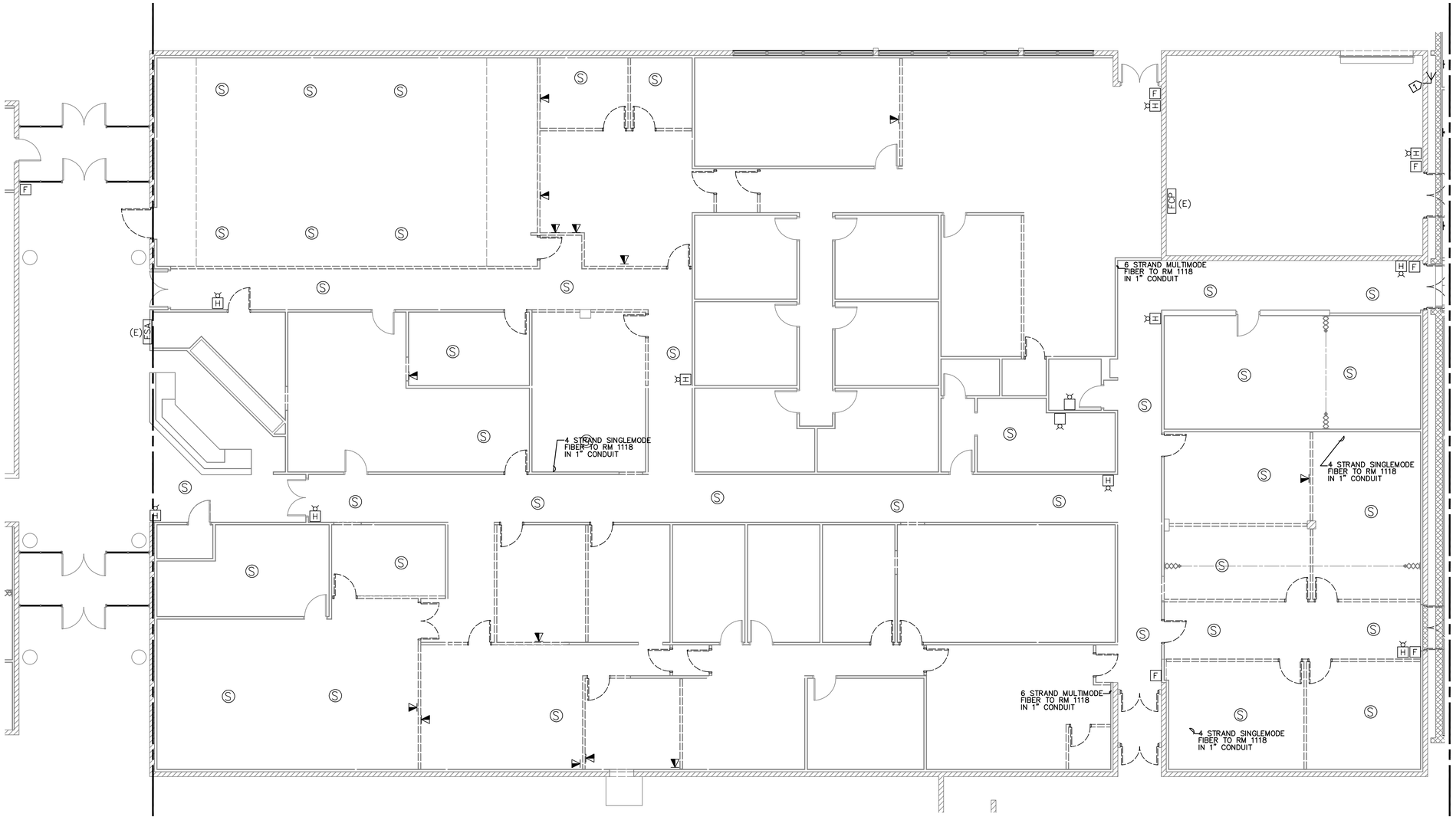
NELLIS AFB
NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

DEMOLITION COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA B

Sheet reference number:
E-708

Border Revised 03/01/04, CDESIGN02.DWG



NOTES:

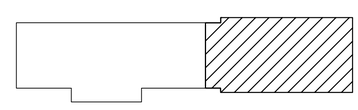
1. REMOVE ALL EXISTING SPEAKERS AND PA SYSTEM.
2. ALL EXISTING COMMUNICATION OUTLETS SHALL REMAIN, UNLESS THE EXISTING WALLS ARE TO BE REMOVED. THE COMMUNICATION OUTLETS ON THAT REMOVED WALL WILL BE REMOVED.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES.

KEYED NOTES:

1. RELOCATE EXISTING FIRE ALARM ANTENNA TO THE NORTH WALL IN PHASE I TO CLEAR AREA FOR PHASE II WORK.

DEMOLITION COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA C

SCALE: 1/8" = 1'-0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas J. Nissen, Chief, Mech./Elec. Des. Sec.
Spec No.: 1304
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
File name: N39E-709xxx.dwg
Plot date:
Dwg scale: AS_NOTED

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SACRAMENTO, CALIFORNIA

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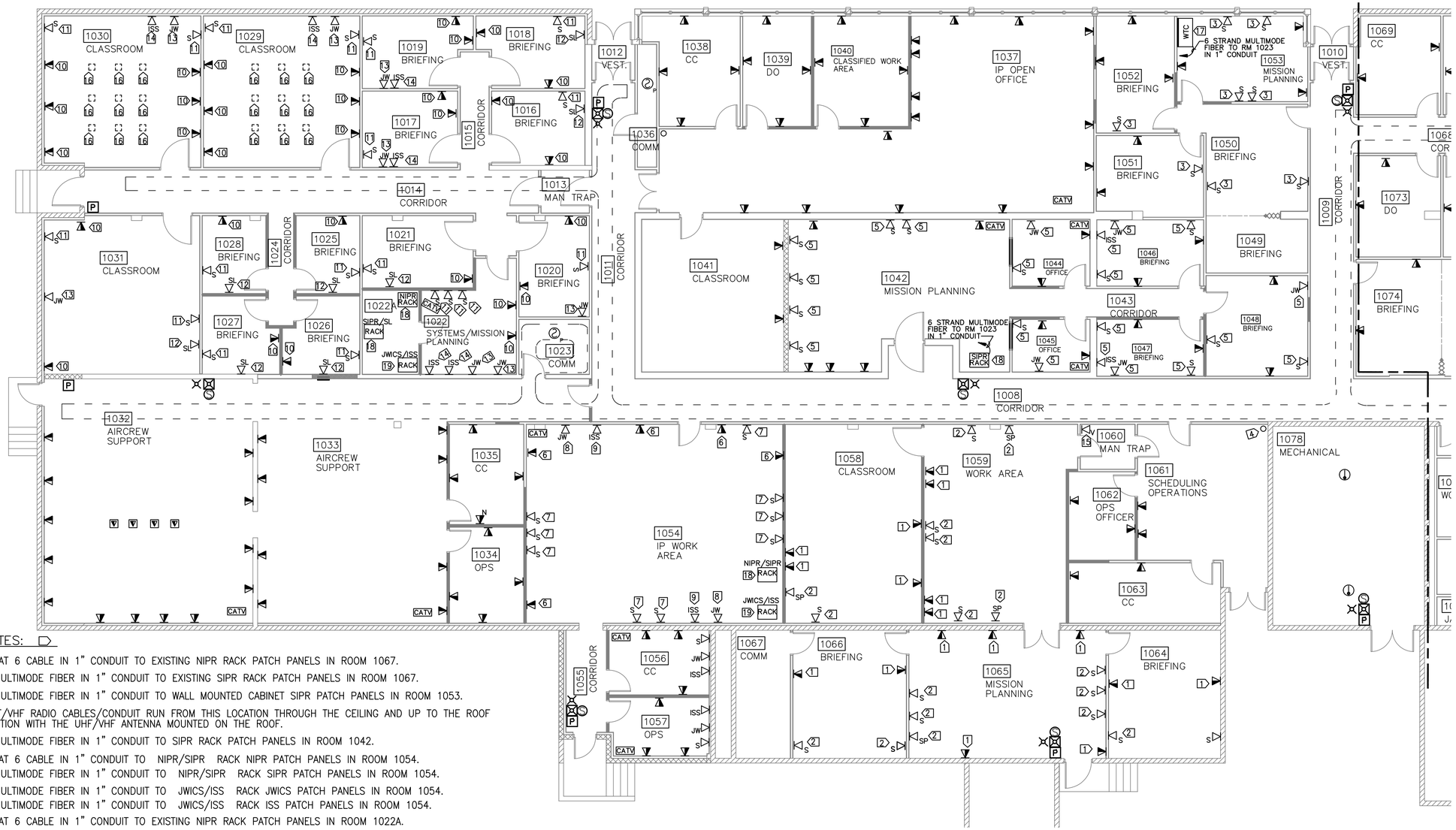
NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
DEMOLITION COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA C

Sheet reference number:
E-709

Border Revised 03/01/04, CDESIGN02.DWG



KEYED NOTES:

1. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO EXISTING NIPR RACK PATCH PANELS IN ROOM 1067.
2. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO EXISTING SIPR RACK PATCH PANELS IN ROOM 1067.
3. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO WALL MOUNTED CABINET SIPR PATCH PANELS IN ROOM 1053.
4. PROVIDE UHF/VHF RADIO CABLES/CONDUIT RUN FROM THIS LOCATION THROUGH THE CEILING AND UP TO THE ROOF FOR CONNECTION WITH THE UHF/VHF ANTENNA MOUNTED ON THE ROOF.
5. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO SIPR RACK PATCH PANELS IN ROOM 1042.
6. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR/SIPR RACK NIPR PATCH PANELS IN ROOM 1054.
7. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO NIPR/SIPR RACK SIPR PATCH PANELS IN ROOM 1054.
8. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO JWICS/ISS RACK JWICS PATCH PANELS IN ROOM 1054.
9. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO JWICS/ISS RACK ISS PATCH PANELS IN ROOM 1054.
10. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO EXISTING NIPR RACK PATCH PANELS IN ROOM 1022A.
11. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO SIPR/SL RACK SIPR PATCH PANELS IN ROOM 1022A.
12. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO SIPR/SL RACK SL PATCH PANELS IN ROOM 1022A.
13. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO JWICS/ISS RACK JWICS PATCH PANELS IN ROOM 1022A.
14. 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO JWICS/ISS RACK ISS PATCH PANELS IN ROOM 1022A.
15. 4 PAIR CAT 6 CABLE IN 1" CONDUIT TO EXISTING VOICE BACKBOARD IN ROOM 1036.
16. REPLACE EXISTING FLOOR OUTLET JACKS WITH ST CONNECTORS AND REMOVE EXISTING CABLES. PROVIDE NEW 4 STRAND MULTIMODE FIBER IN 1" CONDUIT TO SIPR/SL RACK SIPR PATCH PANELS IN ROOM 1022A.
17. 4' WALL MOUNTED RACK WITH 12 PORT FIBER PATCH PANEL, AND RJ45, 48 PORT PATCH PANEL FOR DATA. PROVIDE A 6'X4' PLYWOOD BACKBOARD.
18. 7' LOCKABLE CABINET WITH RJ45, 72 PORT CAT6 PATCH PANEL FOR VOICE; RJ 45, 144 PORT COMMON CAT 6 PATCH PANEL; AND 12 PORT MULTI–MODE FIBER OPTIC PATCH PANEL WITH SC CONNECTORS. SEE SHEET E–508 FOR GENERAL RACK INFORMATION. PROVIDE CABLE TRAY INTERCONNECTING EACH OF THE 3 CABINETS IN ROOM 1022A – TRAY SHALL BE DIRECTLY ABOVE CABINETS AND FEED DOWN TO THEM. COORDINATE TRAY AND LIGHT FIXTURE LOCATIONS TO AVOID EACH OTHER.
19. 7' LOCKABLE CABINET WITH RJ 45, 24 PORT COMMON PATCH PANEL AND 12 STRAND MULTI–MODE FIBER TO ROOM 1023 IN 1" CONDUIT. SEE SHEET E–508 FOR GENERAL RACK INFORMATION.

NOTES:

1. PROVIDE 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN EXISTING CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 1023 FOR ALL COMMUNICATION OUTLETS NOT IDENTIFIED WITH A KEYED NOTE. SEE SHEET T–120 FOR ROOM 1023 LOCATION.
2. PROVIDE COPPER TIE CABLE FROM ROOM 1063 TO ROOM 1023 FOR VOICE REQUIREMENT. COORDINATE THE REQUIRED COPPER PAIR PER VOICE OUTLETS.

KEY PLAN
NTS

REFERENCE
NORTH

GRAPHIC SCALE
1/8"=1'–0" 0' 2' 4' 8' 16' 24'

COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA A

SCALE: 1/8" = 1'–0

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Rev.

Date: 10/21/05
Design file no: 229–25–539
Drawing Code:
File name: N3SE–120ccc.dwg
Plot date:
Dwg scale: AS_NOTED

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by: J. PARRISH
Approved by: Maj. Thomas E. Nissen
Chief, Mech./Elec. Des. Sec.

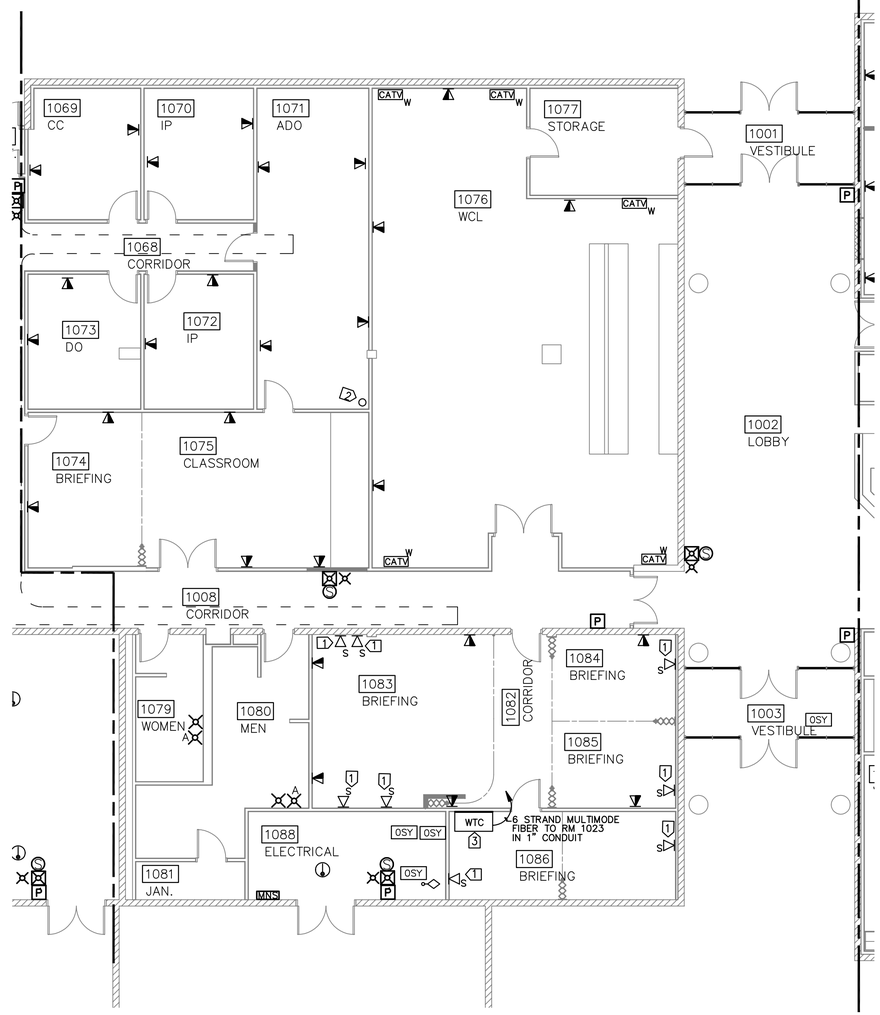
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN–HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814–2922

NEVADA
NELLIS AFB
F/A–22 ADD/ALTER WEAPONS SCHOOL
COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA A

Sheet reference number:
T–120

Border Revised 03/01/04, CDESIGN02.DWG



KEYED NOTES:

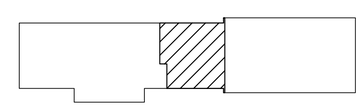
1. 4 STRAND MULTIMODE FIBER TO ROOM 1086 WALL MOUNTED CABINET SIPR PATCH PANEL.
2. PROVIDE UHF/VHF RADIO CABLES/CONDUIT RUN FROM THIS LOCATION THROUGH THE CEILING AND UP TO THE ROOF FOR CONNECTION WITH THE UHF/VHF ANTENNA MOUNTED ON THE ROOF.
3. 4' WALL MOUNTED RACK WITH 12 PORT FIBER PATCH PANEL. PROVIDE A 6'X4' PLYWOOD BACKBOARD.

NOTE:

PROVIDE 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN EXISTING CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 1023 FOR ALL COMMUNICATION OUTLETS NOT IDENTIFIED WITH A KEYED NOTE. SEE SHEET T-120 FOR ROOM 1023 LOCATION.

COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA B

SCALE: 1/8" = 1'-0



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by: J. PARRISH
Submitted by: for Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design file no: 229-25-539
Drawing Code:
File name: N3SE-T21xxc.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
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SACRAMENTO DISTRICT
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1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

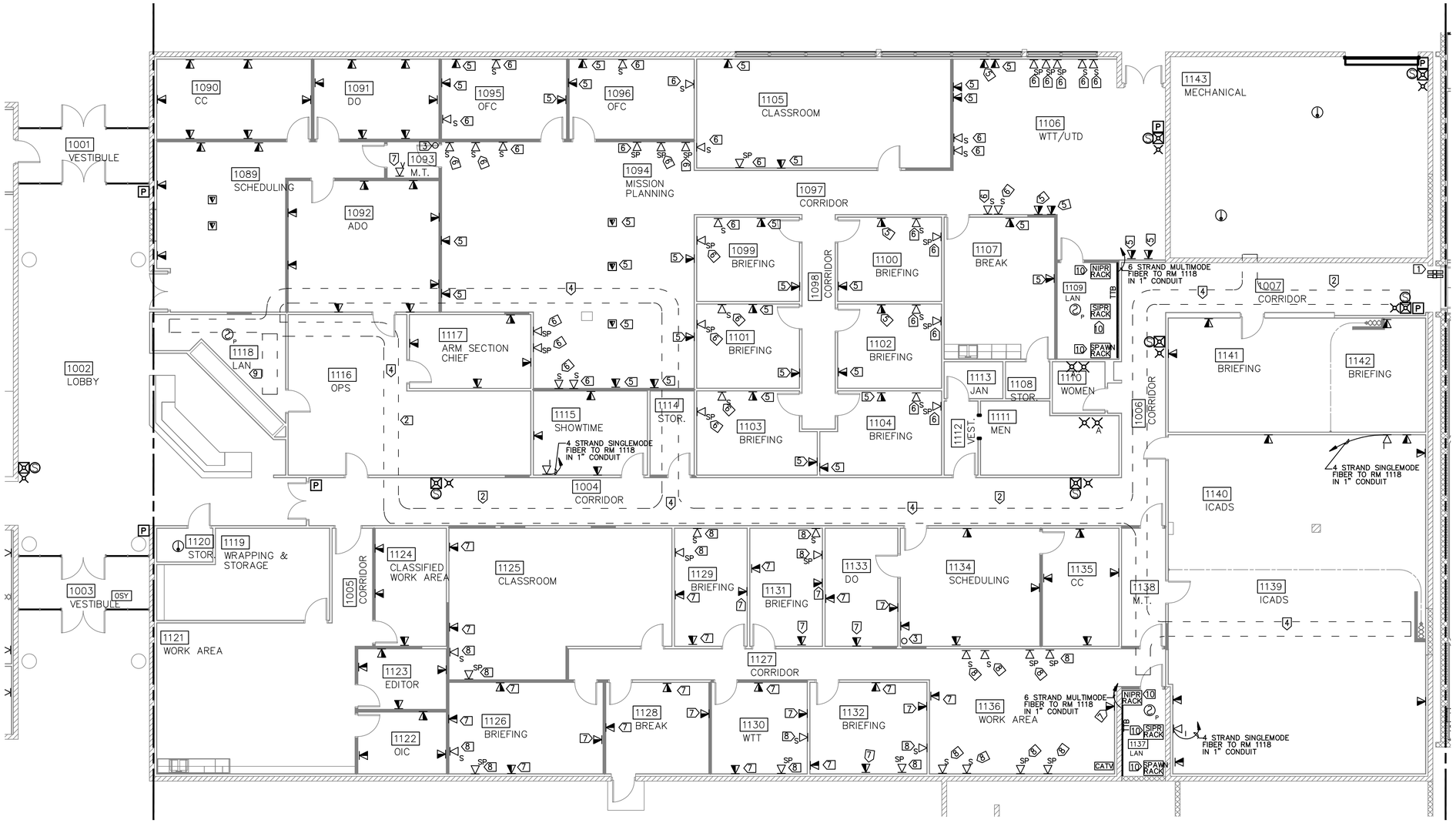
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA B

Sheet reference number:
T-121

Border Revised 03/01/04, CCESW102.DWG



KEYED NOTES:

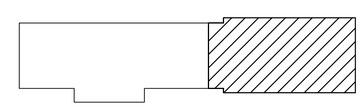
1. CORE DRILL EXISTING WALL OF BUILDING 282 ABOVE DROP CEILING FOR INSTALLATION OF 4–4" RSC WITH PVC FLEX COUPLING FOR ROUTING OF COMMUNICATION CABLES BETWEEN EXISTING BUILDING 282 AND THE ADDITION.
2. INSTALL 12 STRAND SINGLE–MODE FIBER AND 12 STRAND MULTI–MODE FIBER FROM ROOM 1250 RUNNING ON THE CABLE TRAY THROUGH CORRIDOR 1204 TO THE EXISTING CABLE TRAY IN BUILDING 282 AND INTO COMM. ROOM 1118
3. PROVIDE UHF/VHF RADIO CABLES/CONDUIT RUN FROM THIS LOCATION THROUGH THE CEILING AND UP TO THE ROOF FOR CONNECTION WITH THE UHF/VHF ANTENNA MOUNTED ON THE ROOF.
4. EXISTING CABLE TRAY TYPICAL.
5. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR RACK PATCH PANELS IN ROOM 1109
6. 4 STRAND MULTIMODE FIBER TO SIPR RACK PATCH PANELS IN ROOM 1109.
7. 4 PAIR CAT 6 CABLE IN 1" CONDUIT TO EXISTING VOICE BACKBOARD IN ROOM 1143.
7. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR RACK PATCH PANELS IN ROOM 1137
8. 4 STRAND MULTIMODE FIBER TO SIPR RACK PATCH PANELS IN ROOM 1137.
9. ELECTRICAL POWER MUST BE REMAIN OPERATION 24/7 TO SUPPORT THE COMMUNICATION EQUIPMENT DURING CONSTRUCTION PERIOD IN ROOM 1118. THERE SHALL BE NO ELECTRICAL POWER DOWN TIME. PROVIDE ALTERNATE ELECTRICAL POWER AS REQUIRED TO OPERATE THE COMMUNICATION EQUIPMENT 24/7 DURING CONSTRUCTION PERIOD.
10. 7' LOCKABLE CABINET WITH RJ45, 72 PORT CAT6 PATCH PANEL FOR VOICE; RJ 45, 144 PORT COMMON CAT 6 PATCH PANEL; AND TWO 12 PORT MULTI–MODE FIBER OPTIC PATCH PANELS WITH SC CONNECTORS. SEE SHEET E–508 FOR GENERAL RACK INFORMATION.

NOTE:

1. PROVIDE 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN EXISTING CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 1118 FOR ALL COMMUNICATION OUTLETS NOT IDENTIFIED WITH A KEYED NOTE.

COMMUNICATION FLOOR PLAN – BUILDING 282 – AREA C

SCALE: 1/8" = 1'–0



KEY PLAN
NTS

GRAPHIC SCALE
1/8"=1'–0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by: J. PARRISH
Submitted by: Maj. Thomas E. Nissen
Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design file no: 229–25–539
Drawing Code:
File name: N3SE–122xxc.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
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SACRAMENTO DISTRICT
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1325 J STREET
SACRAMENTO, CA 95814–2922

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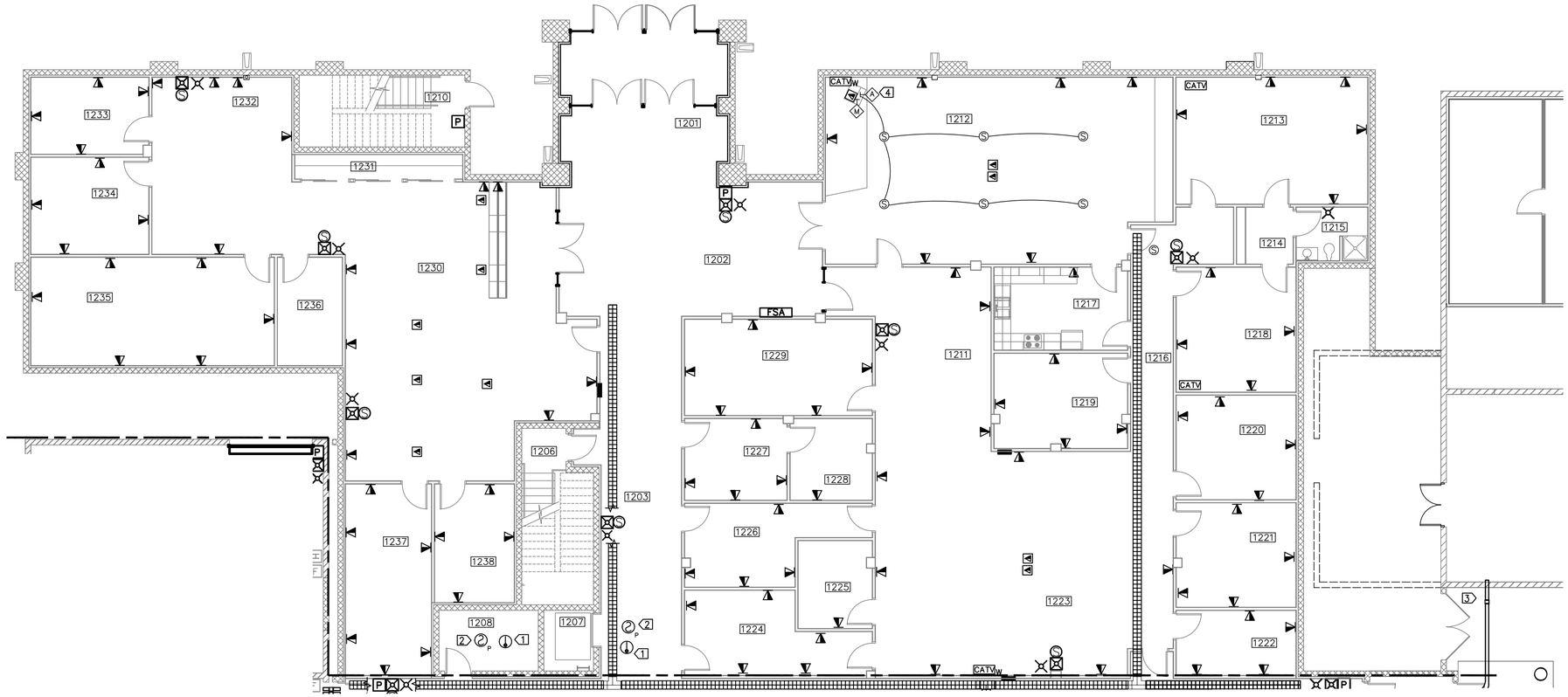
NEVADA

F/A–22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION FLOOR PLAN
BUILDING 282
FLOOR PLAN AREA C

Sheet reference number:
T–122

Border Revised 03/01/04, 02E3910.2.DWG



KEYED NOTES:

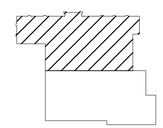
1. HEAT DETECTOR MOUNTING AND TEMPERATURE SHALL BE PER ASME 17.1 FOR ELEVATOR POWER SHUNT DOWM THROUGH THE SHUNT TRIP BREAKER.
2. SMOKE DETECTOR IS FOR ELEVATOR RECALL TO THE FIRST FLOOR.
3. CORE DRILL EXISTING WALL OF BUILDING 284 INSIDE OF PATIO COVER FOR INSTALLATION OF 4–4" RSC WITH PVC FLEX COUPLING FOR ROUTING OF COMMUNICATION CABLES BETWEEN EXISTING BUILDING 282, 282 ADDITION AND BUILDING 284.
4. PA AMP MOUNTED IN THE PODIUM. SEE SHEET E–508 PA RISER AND SPEC. SECTION 16770.

GENERAL NOTES:

ALL COMMUNICATION OUTLETS SHOWN IN THIS FLOOR PLAN SHALL BE PROVIDED WITH 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 1250. SEE SHEET T–124 FOR ROOM 1250 LOCATION.

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – FIRST FLOOR AREA A

SCALE: 1/8" = 1'–0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'–0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Date: 10/21/05
Rev.
Design file no: 229–25–539
Spec. No.: 1304
Drawing Code:
File name: N3IE–123acc.dwg
Plot date:
Dwg scale: AS_NOTED

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No: 1304
Reviewed by: J. PARRISH
Submitted by: Jay Thomas E. Nilsson
Chief, Mech. Disc. Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
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1325 J STREET
SACRAMENTO, CA 95814–2922

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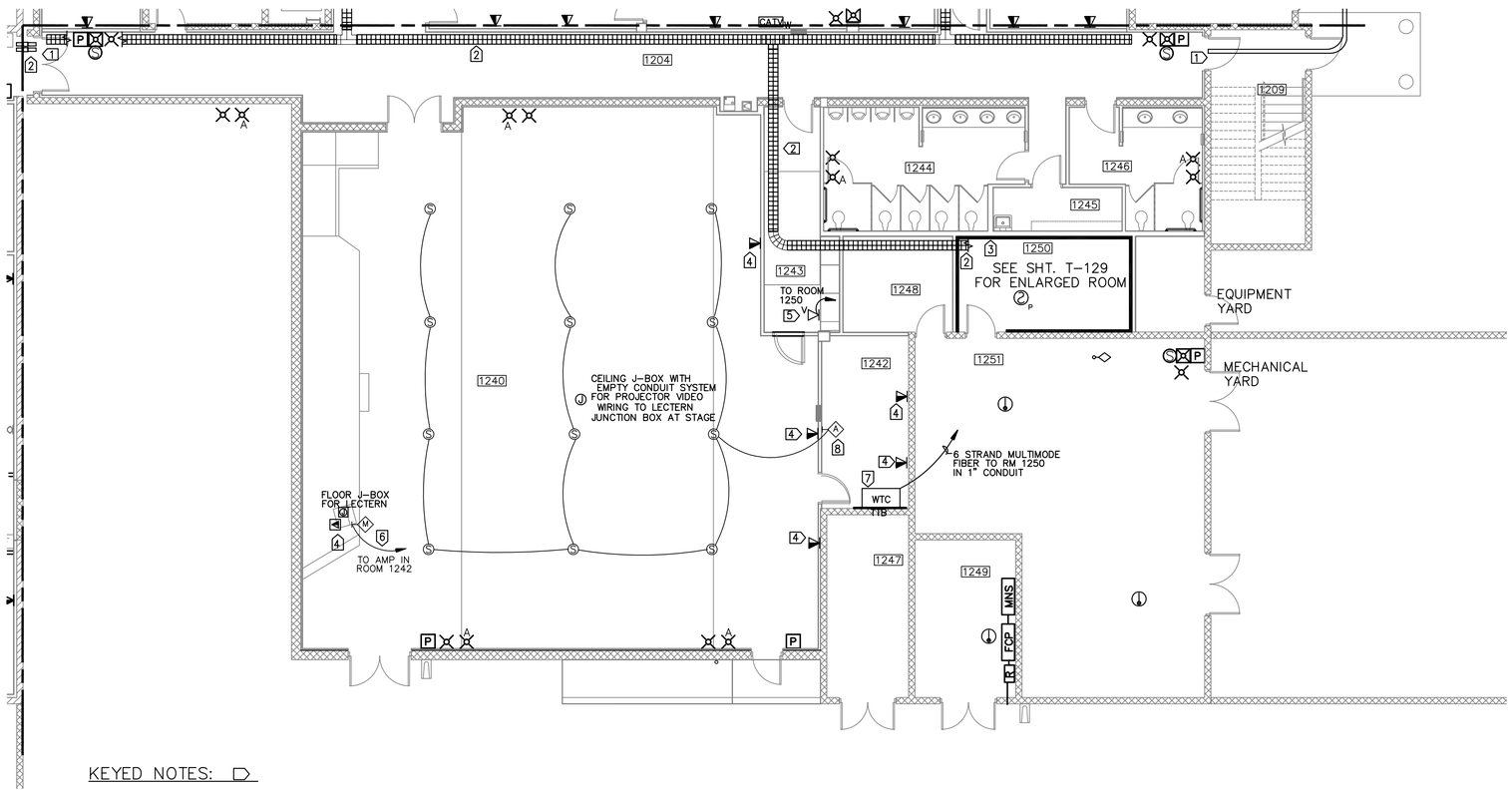
COMMUNICATION FLOOR PLAN
FIRST FLOOR AREA A
BUILDING 282 ADDITION

Sheet reference number:
T–123

Border Revised 03/01/04, DCE3470.2.DWG



KEYED NOTES:

1. CONCEAL 4–4" RSC ABOVE DROP CEILING AND STAIR WELL AREA FOR ROUTING OF COMMUNICATION CABLES BETWEEN EXISTING BUILDING 282, 282 ADDITION AND BUILDING 284.
2. INSTALL 12 STRAND SINGLE–MODE FIBER AND 12 STRAND MULTI–MODE FIBER FROM ROOM 1250 RUNNING ON THE CABLE TRAY THROUGH CORRIDOR 1204 TO THE EXISTING CABLE TRAY AND INTO COMM. ROOM 1118
3. PROVIDE 6 STRAND MULTIMODE FIBER TO EACH COMMUNICATION ROOM 2217 AND 2233.
4. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR CABINET PATCH PANELS IN ROOM 1242.
5. 2–4 PAIR CAT 6 CABLE IN 1" CONDUIT TO VOICE PATCH PANELS IN ROOM 1242.
6. CONDUIT AND WIRE AS RECOMMENDED BY THE MANUFACTURER.
7. 4' WALL MOUNTED LOCKABLE CABINET WITH 2–48 PORT PATCH PANEL AND 4'X4' PLYWOOD BACKBOARD FOR MOUNTING.
8. PA AMP MOUNTED IN RACK. SEE SHEET E–508 PA RISER AND SPEC. SECTION 16770.

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – FIRST FLOOR AREA B

SCALE: 1/8" = 1'–0

KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'–0" 0' 2' 4' 8' 16' 24'

REFERENCE

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US Army Corps of Engineers
Sacramento District

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Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design file no: 229–25–539
Drawing Code:
File name: N35E–T24xxx.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN–HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814–2922

NEVADA

NELLIS AFB

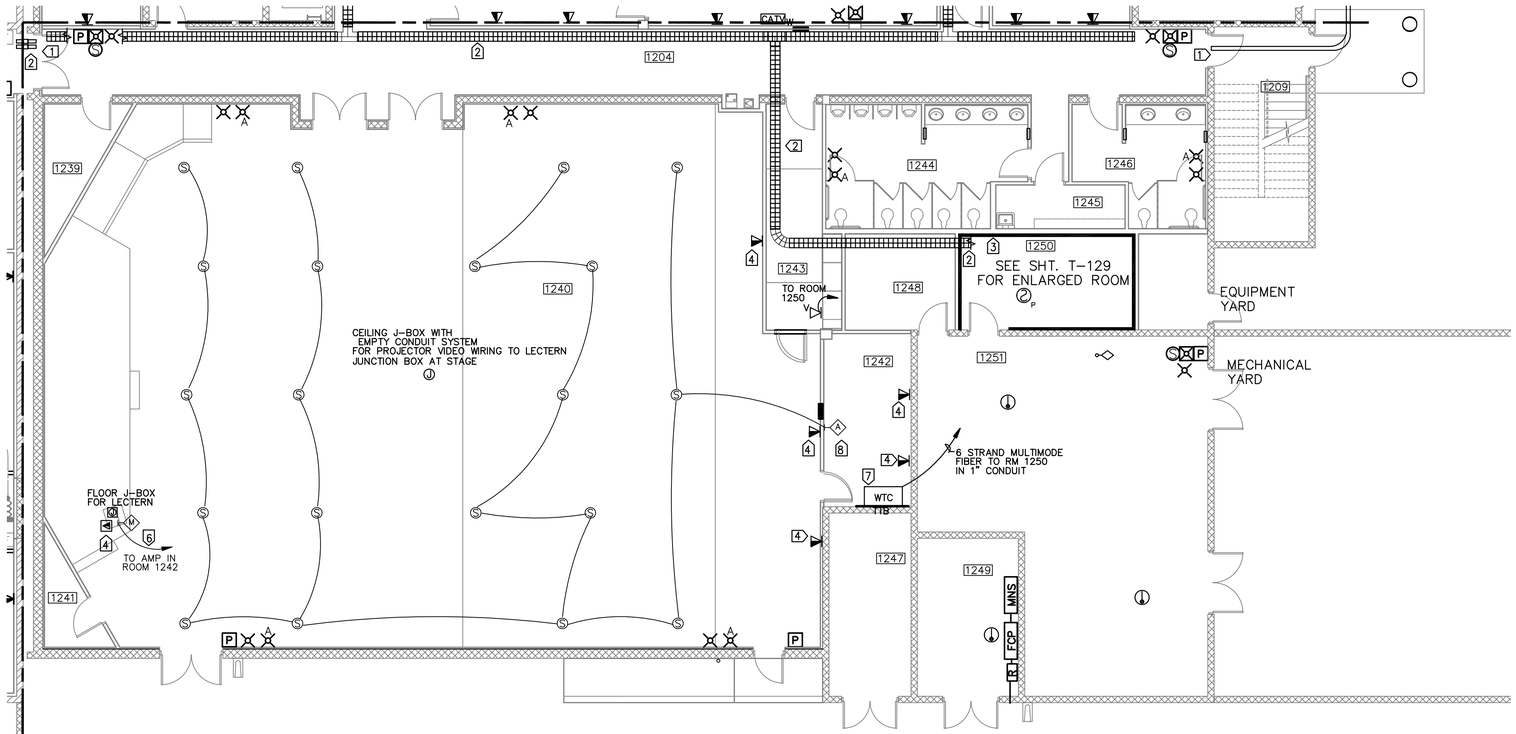
F/A–22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION FLOOR PLAN
FIRST FLOOR AREA B
BUILDING 282 ADDITION

Sheet reference number:

T–124

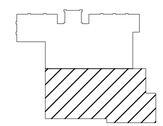
Border Revised: 03/10/04, CCESW702.DWG



KEYED NOTES:

1. CONCEAL 4-4" RSC ABOVE DROP CEILING AND STAIR WELL AREA FOR ROUTING OF COMMUNICATION CABLES BETWEEN EXISTING BUILDING 282, 282 ADDITION AND BUILDING 284.
2. INSTALL 12 STRAND SINGLE-MODE FIBER AND 12 STRAND MULTI-MODE FIBER FROM ROOM 1250 RUNNING ON THE CABLE TRAY THROUGH CORRIDOR 1204 TO THE EXISTING CABLE TRAY AND INTO COMM. ROOM 1118. FIBER OPTIC CABLE SHOULD BE TERMINATED IN NIPRNET RACK.
3. PROVIDE 6 STRAND MULTIMODE FIBER TO EACH COMMUNICATION ROOM 2217 AND 2233.
4. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR CABINET PATCH PANELS IN ROOM 1242.
5. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT TO VOICE PATCH PANELS IN ROOM 1242.
6. CONDUIT AND WIRE AS RECOMMENDED BY THE MANUFACTURER.
7. 4' WALL MOUNTED LOCKABLE CABINET WITH 2-48 PORT PATCH PANELS, ONE 12-PORT MULTI-MODE FIBER OPTIC PATCH PANEL, AND 6'X4' PLYWOOD BACKBOARD FOR MOUNTING.
8. PA AMP MOUNTED IN RACK. SEE SHEET E-508 PA RISER AND SPEC. SECTION 16770.

THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

REFERENCE
NORTH

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – FIRST FLOOR AREA B

SCALE: 1/8" = 1'-0

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by:
Submitted by: /s/ Thomas E. Nissen, Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
File name: N3IE-124xxx.dwg
Plot scale:
Dwg scale: AS_NOTED

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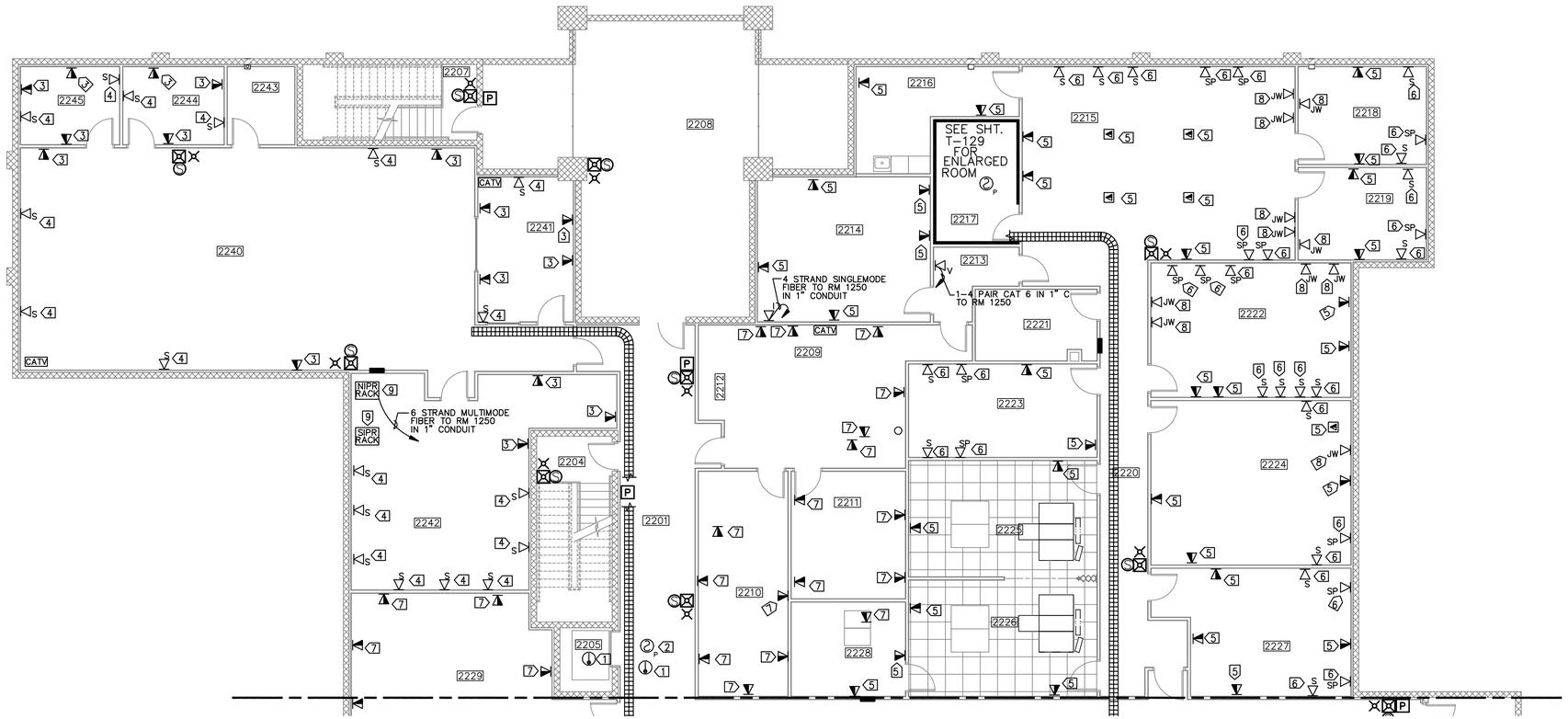
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
COMMUNICATION FLOOR PLAN
FIRST FLOOR AREA B
BUILDING 282 ADDITION

Sheet reference number:
T-124A

Border Revised 03/11/04, CEK9/102.DWG

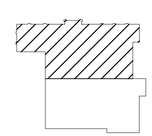


KEYED NOTES:

1. HEAT DETECTOR MOUNTING AND TEMPERATURE SHALL BE PER ASME 17.1 FOR ELEVATOR POWER SHUNT DOWM THROUGH THE SHUNT TRIP BREAKER.
2. SMOKE DETECTOR IS FOR ELEVATOR RECALL TO THE FIRST FLOOR.
3. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR RACK PATCH PANELS IN ROOM 2242.
4. 4 STRAND MULTIMODE FIBER TO SIPR RACK PATCH PANELS IN ROOM 2242.
5. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT TO NIPR RACK PATCH PANELS IN ROOM 2217.
6. 4 STRAND MULTIMODE FIBER TO SIPR RACK PATCH PANELS IN ROOM 2217.
7. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 2233.
8. 4 STRAND MULTIMODE FIBER TO JWICS RACK PATCH PANELS IN ROOM 2217.
9. 7 FT. FLOOR MOUNTED LOCKABLE EQUIPMENT CABINET WITH 2-48 PORT PATCH PANELS (NIPRNET ONLY), 1-96 PORT COMMON PATCH PANEL (NIPRNET ONLY) AND 12 STRAND FIBER OPTIC PATCH PANEL. SEE SHEET E-508 FOR GENERAL PATCH PANEL LAYOUT AND CLEARANCE. PROVIDE CABLE TRAY BETWEEN TWO CABINETS IN ROOM 2242 (DIRECTLY ABOVE AND FEEDING DOWN TO EACH).

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – SECOND FLOOR AREA A

SCALE: 1/8" = 1'-0



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by:
Submitted by: /s/ Thomas E. Nilsen, Chief, Mech./Elec. Des. Sec.
Date: 10/21/05
Rev.
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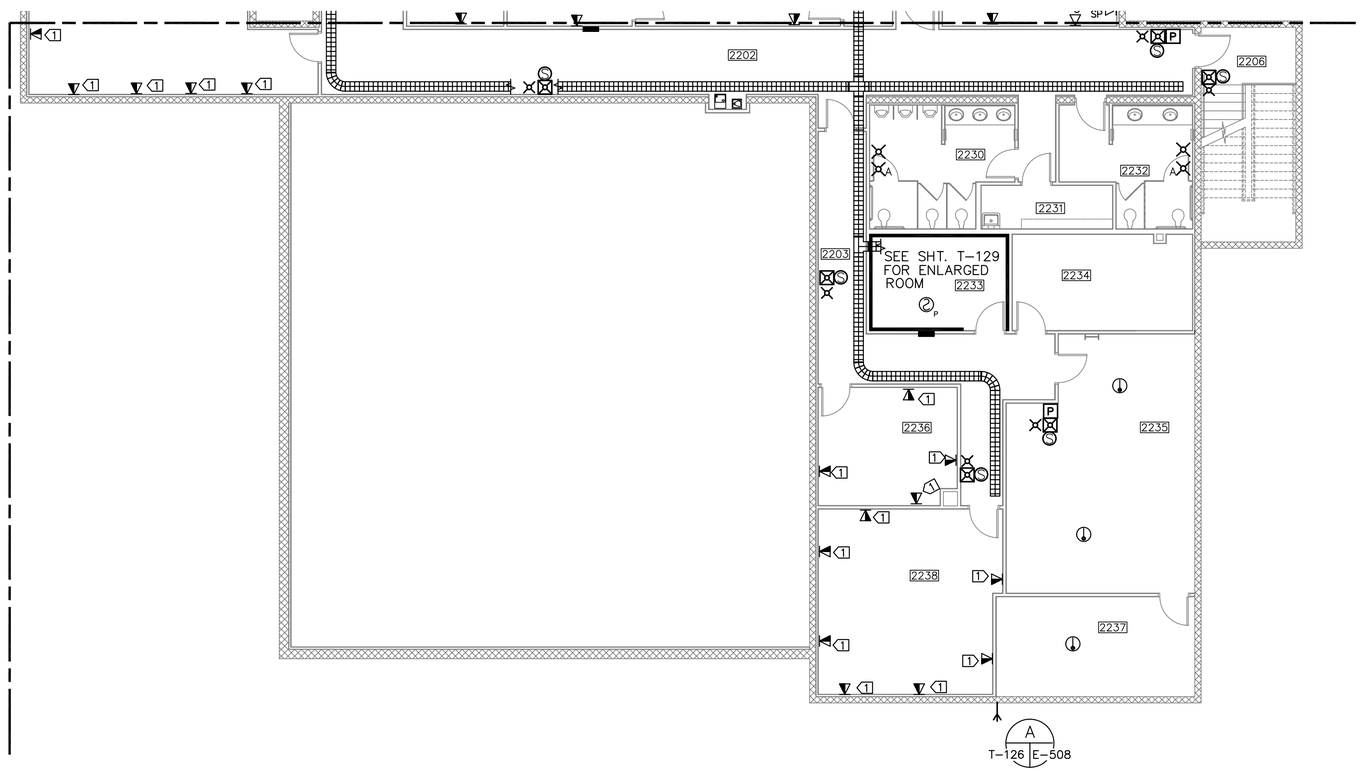
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
COMMUNICATION FLOOR PLAN
SECOND FLOOR AREA A
BUILDING 282 ADDITION

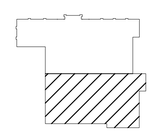
Sheet reference number:
T-125

Border Revised 03/01/04, DCS3/TD23.DWG



KEYED NOTE:

1. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 2233.



KEY PLAN
NTS

GRAPHIC SCALE
1/8"=1'-0"
0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – SECOND FLOOR AREA B

SCALE: 1/8" = 1'-0

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Date: 10/21/05
Rev.
Design file no: 229-25-539
Drawing Code:
Reviewed by:
Submitted by: /s/ Thomas E. Nissen Chief, Tech. Spec. Sec.
File name: N36E-126xxx.dwg
Plot date:
Dwg scale: AS_NOTED

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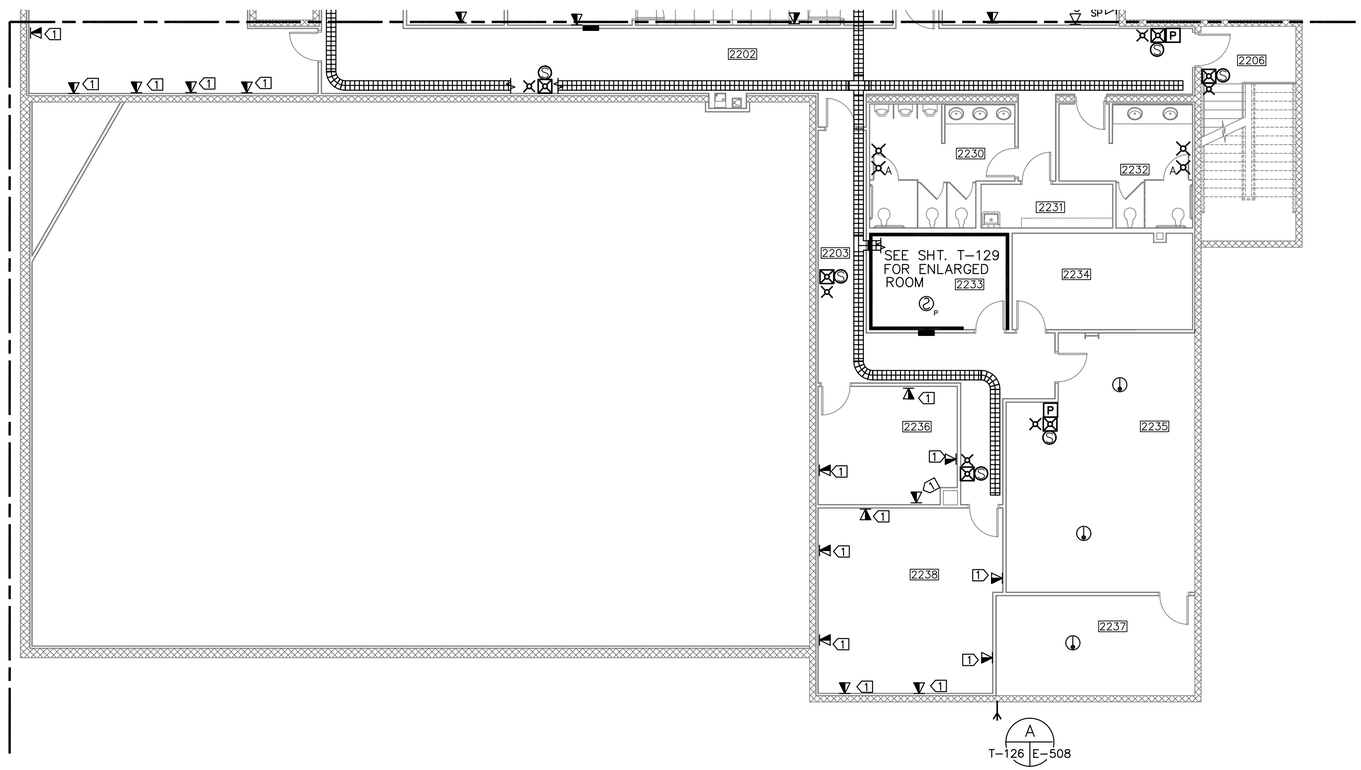
F/A-22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION FLOOR PLAN
SECOND FLOOR AREA B
BUILDING 282 ADDITION

Sheet reference number:
T-126

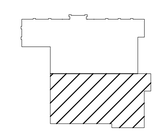
Border Revised 03/01/04, 02E3012.DWG



KEYED NOTE:

1. 2-4 PAIR CAT 6 CABLE IN 1" CONDUIT UP TO CEILING AND ROUTE IN CABLE TRAY TO NIPR RACK PATCH PANELS IN ROOM 2233.

THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

COMMUNICATION FLOOR PLAN – BUILDING 282 ADDITION – SECOND FLOOR AREA B

SCALE: 1/8" = 1'-0

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by:
Submitted by: /s/ Thomas E. Nilssen
Chief, Mech./Elec. Des. Sec.

Date: 10/21/05
Rev.
Design file no: 229-25-539
Spec No.: 1304
Drawing Code:
File name: N3SE-129Axxx.dwg
Plot date:
Dwg scale: AS_NOTED

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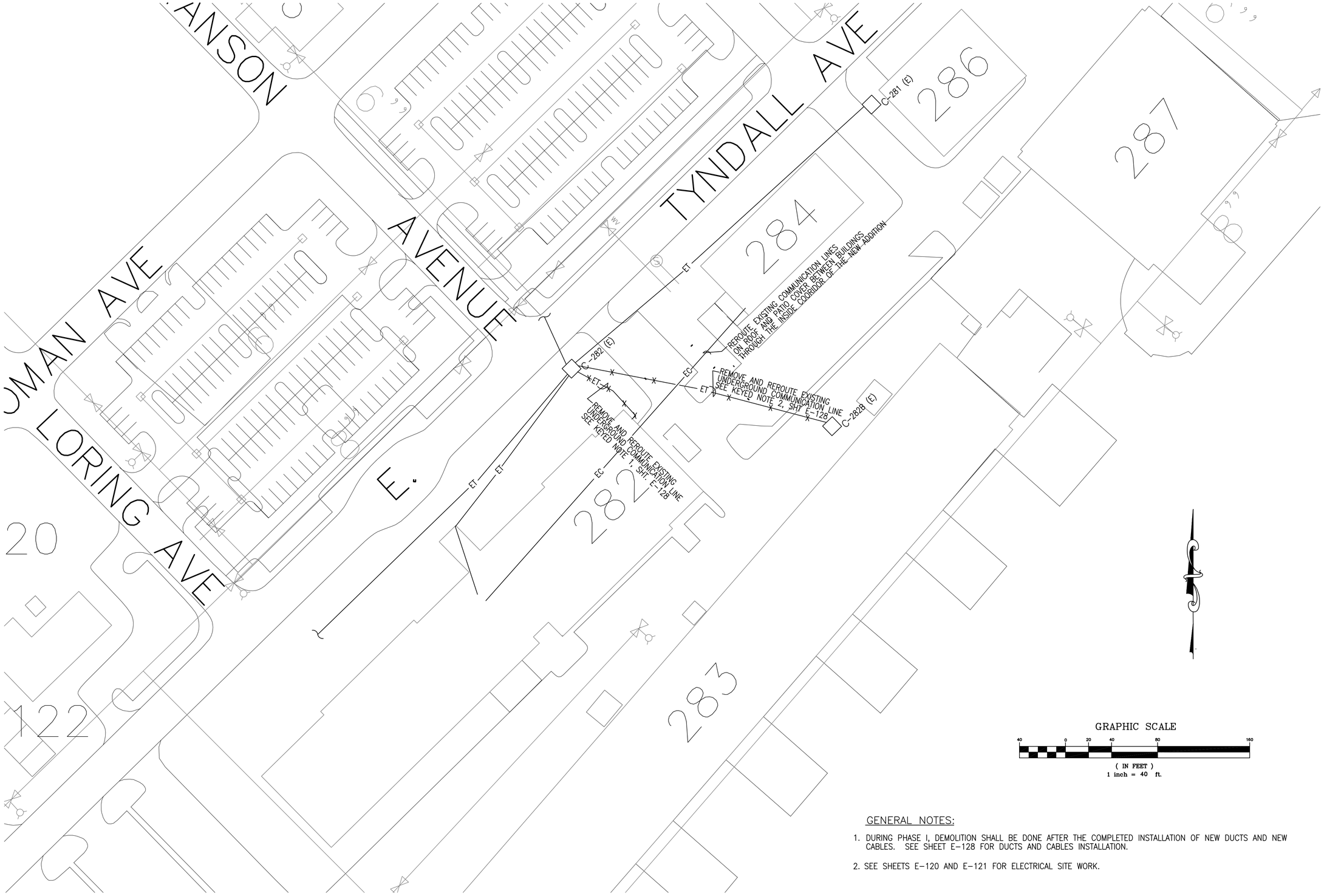
NELLIS AFB
NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION FLOOR PLAN
SECOND FLOOR AREA B
BUILDING 282 ADDITION

Sheet reference number:
T-126A

Border Revised 03/01/04, CDESN102.DWG



GENERAL NOTES:

1. DURING PHASE I, DEMOLITION SHALL BE DONE AFTER THE COMPLETED INSTALLATION OF NEW DUCTS AND NEW CABLES. SEE SHEET E-128 FOR DUCTS AND CABLES INSTALLATION.

2. SEE SHEETS E-120 AND E-121 FOR ELECTRICAL SITE WORK.

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Reviewed by: J. PARRISH
Submitted by: /s/ Section Chief
Chief, XXXX Des. Sec.
Date: 10/21/05
Rev.
Design File no: 239-25-539
Drawing Code:
File name: N39T-127xsc.dwg
Plot date:
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DEPARTMENT OF THE ARMY
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NEVADA

NELLIS AFB

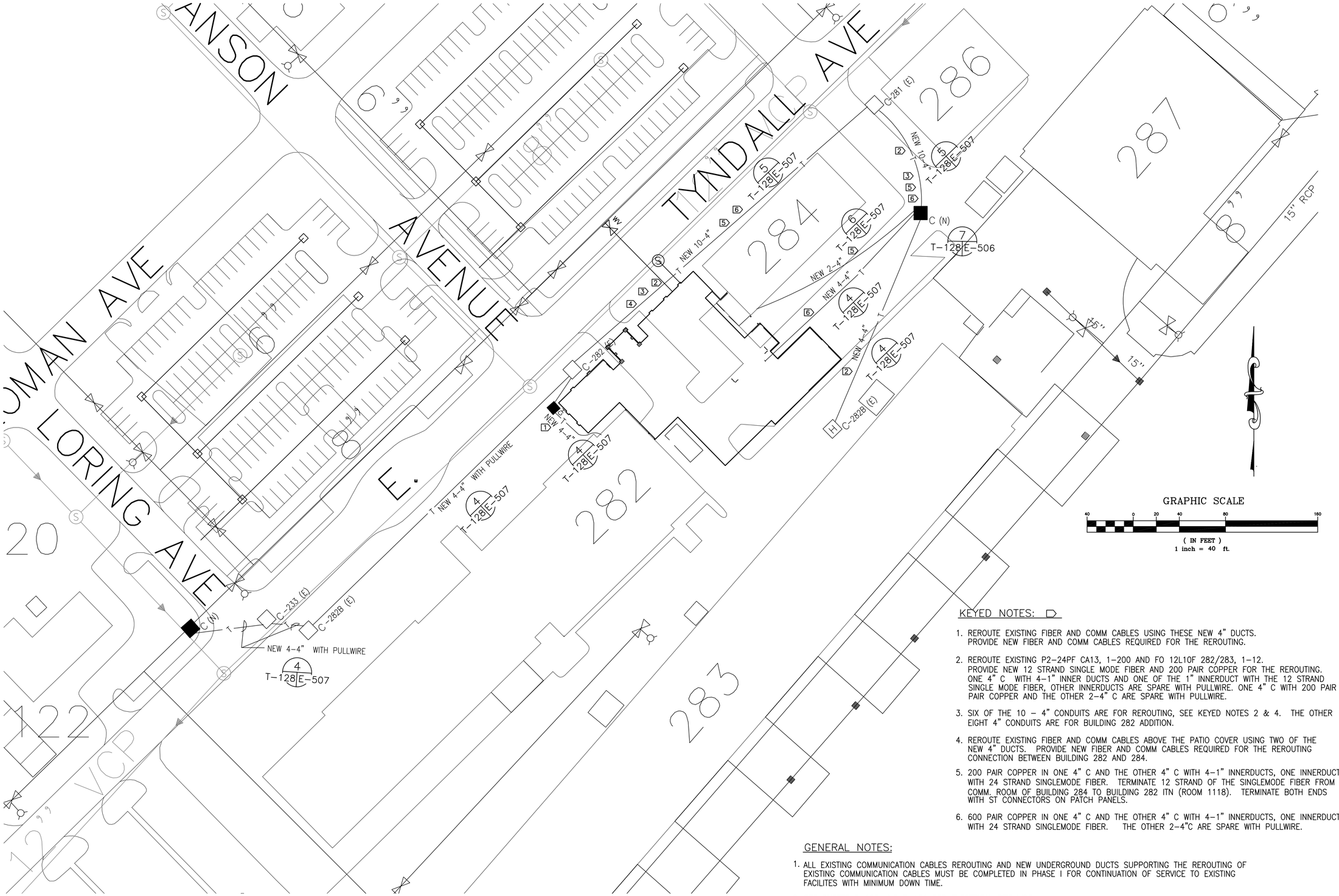
F/A-22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION SITE PLAN DEMOLITION

Sheet reference number:
T-127

UPDATE

Border Revised 03/01/04, CEDSHTD2.DWG



KEYED NOTES:

1. REROUTE EXISTING FIBER AND COMM CABLES USING THESE NEW 4" DUCTS. PROVIDE NEW FIBER AND COMM CABLES REQUIRED FOR THE REROUTING.
2. REROUTE EXISTING P2-24PF CA13, 1-200 AND FO 12L10F 282/283, 1-12. PROVIDE NEW 12 STRAND SINGLE MODE FIBER AND 200 PAIR COPPER FOR THE REROUTING. ONE 4" C WITH 4-1" INNER DUCTS AND ONE OF THE 1" INNERDUCT WITH THE 12 STRAND SINGLE MODE FIBER, OTHER INNERDUCTS ARE SPARE WITH PULLWIRE. ONE 4" C WITH 200 PAIR PAIR COPPER AND THE OTHER 2-4" C ARE SPARE WITH PULLWIRE.
3. SIX OF THE 10 - 4" CONDUITS ARE FOR REROUTING, SEE KEYED NOTES 2 & 4. THE OTHER EIGHT 4" CONDUITS ARE FOR BUILDING 282 ADDITION.
4. REROUTE EXISTING FIBER AND COMM CABLES ABOVE THE PATIO COVER USING TWO OF THE NEW 4" DUCTS. PROVIDE NEW FIBER AND COMM CABLES REQUIRED FOR THE REROUTING CONNECTION BETWEEN BUILDING 282 AND 284.
5. 200 PAIR COPPER IN ONE 4" C AND THE OTHER 4" C WITH 4-1" INNERDUCTS, ONE INNERDUCT WITH 24 STRAND SINGLEMODE FIBER. TERMINATE 12 STRAND OF THE SINGLEMODE FIBER FROM COMM. ROOM OF BUILDING 284 TO BUILDING 282 ITN (ROOM 1118). TERMINATE BOTH ENDS WITH ST CONNECTORS ON PATCH PANELS.
6. 600 PAIR COPPER IN ONE 4" C AND THE OTHER 4" C WITH 4-1" INNERDUCTS, ONE INNERDUCT WITH 24 STRAND SINGLEMODE FIBER. THE OTHER 2-4"C ARE SPARE WITH PULLWIRE.

GENERAL NOTES:

1. ALL EXISTING COMMUNICATION CABLES REROUTING AND NEW UNDERGROUND DUCTS SUPPORTING THE REROUTING OF EXISTING COMMUNICATION CABLES MUST BE COMPLETED IN PHASE I FOR CONTINUATION OF SERVICE TO EXISTING FACILITES WITH MINIMUM DOWN TIME.
2. SEE SHEETS E-120 AND E-121 FOR ELECTRICAL SITE WORK.

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Reviewed by: J. PARRISH
Submitted by: /s/ Section Chief
Chief, XXXX Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
File name: N397-128ex.dwg
Plot date:
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

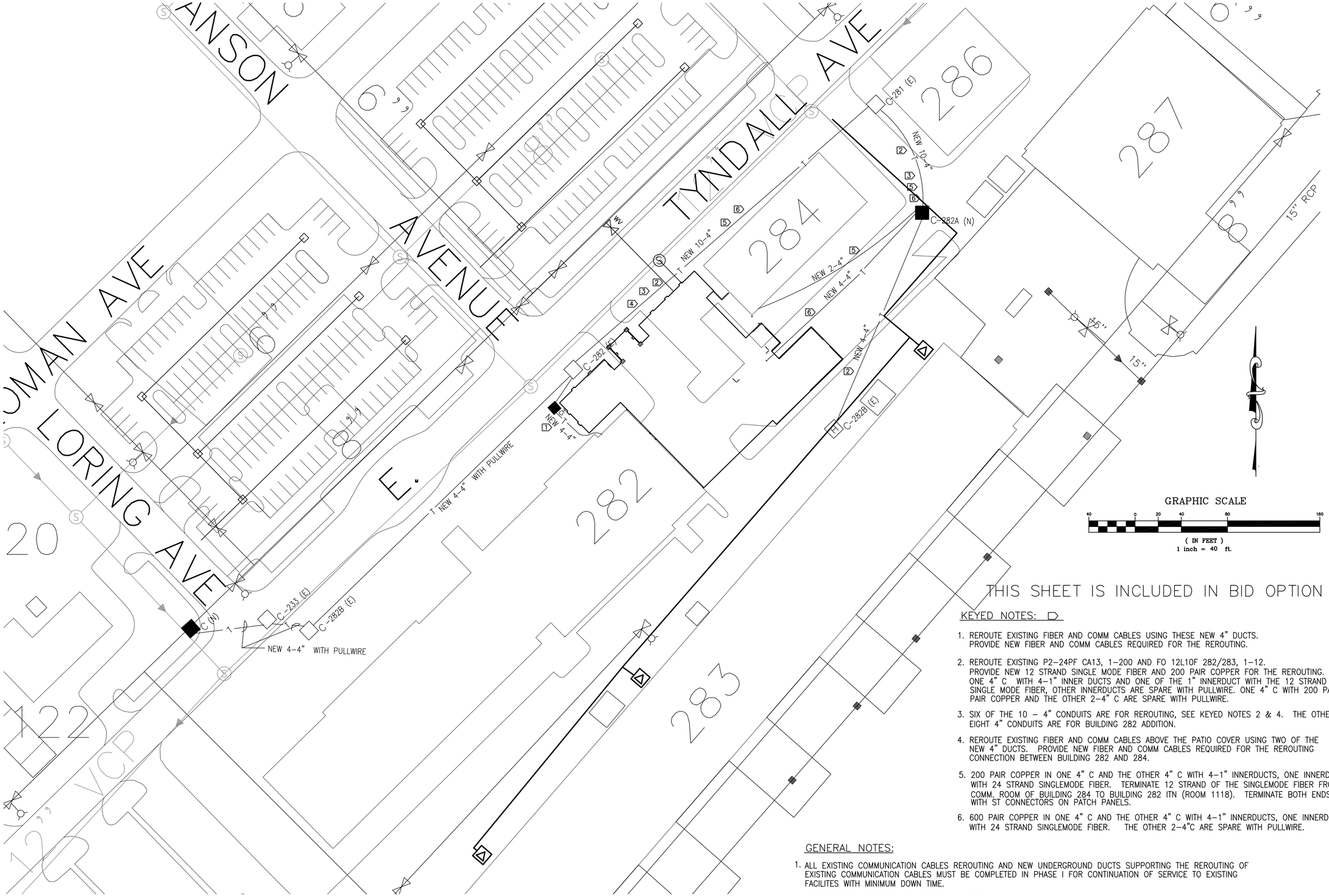
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
COMMUNICATION SITE PLAN

Sheet reference number:
T-128

UPDATE

Border Revised 03/01/04, CODEHTDZ.DWG



THIS SHEET IS INCLUDED IN BID OPTION 1

KEYED NOTES:

1. REROUTE EXISTING FIBER AND COMM CABLES USING THESE NEW 4" DUCTS. PROVIDE NEW FIBER AND COMM CABLES REQUIRED FOR THE REROUTING.
2. REROUTE EXISTING P2-24PF CA13, 1-200 AND FO 12L10F 282/283, 1-12. PROVIDE NEW 12 STRAND SINGLE MODE FIBER AND 200 PAIR COPPER FOR THE REROUTING. ONE 4" C WITH 4-1" INNER DUCTS AND ONE OF THE 1" INNERDUCT WITH THE 12 STRAND SINGLE MODE FIBER, OTHER INNERDUCTS ARE SPARE WITH PULLWIRE. ONE 4" C WITH 200 PAIR PAIR COPPER AND THE OTHER 2-4" C ARE SPARE WITH PULLWIRE.
3. SIX OF THE 10 - 4" CONDUITS ARE FOR REROUTING, SEE KEYED NOTES 2 & 4. THE OTHER EIGHT 4" CONDUITS ARE FOR BUILDING 282 ADDITION.
4. REROUTE EXISTING FIBER AND COMM CABLES ABOVE THE PATIO COVER USING TWO OF THE NEW 4" DUCTS. PROVIDE NEW FIBER AND COMM CABLES REQUIRED FOR THE REROUTING CONNECTION BETWEEN BUILDING 282 AND 284.
5. 200 PAIR COPPER IN ONE 4" C AND THE OTHER 4" C WITH 4-1" INNERDUCTS, ONE INNERDUCT WITH 24 STRAND SINGLEMODE FIBER. TERMINATE 12 STRAND OF THE SINGLEMODE FIBER FROM COMM. ROOM OF BUILDING 284 TO BUILDING 282 ITN (ROOM 1118). TERMINATE BOTH ENDS WITH ST CONNECTORS ON PATCH PANELS.
6. 600 PAIR COPPER IN ONE 4" C AND THE OTHER 4" C WITH 4-1" INNERDUCTS, ONE INNERDUCT WITH 24 STRAND SINGLEMODE FIBER. THE OTHER 2-4"C ARE SPARE WITH PULLWIRE.

GENERAL NOTES:

1. ALL EXISTING COMMUNICATION CABLES REROUTING AND NEW UNDERGROUND DUCTS SUPPORTING THE REROUTING OF EXISTING COMMUNICATION CABLES MUST BE COMPLETED IN PHASE I FOR CONTINUATION OF SERVICE TO EXISTING FACILITES WITH MINIMUM DOWN TIME.
2. SEE SHEETS E-120 AND E-121 FOR ELECTRICAL SITE WORK.

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: F. LUM
Dwn by: J. FRESCAS
Spec No.: 1304
Date: 10/21/05
Rev.
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. PARRISH
Submitted by: Joel Section Chief
Chief, XXXX Des. Sec.
File name: N397-128xxx.dwg
Plot date:
Dwg scale: AS_NOTED

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SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
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1325 J STREET
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NEVADA

NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

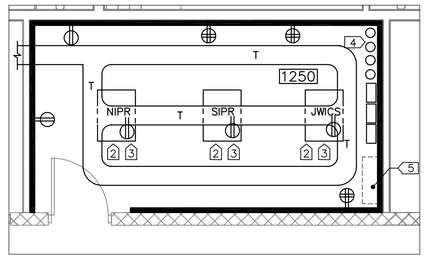
COMMUNICATION SITE PLAN

Sheet reference number:

T-128A

UPDATE

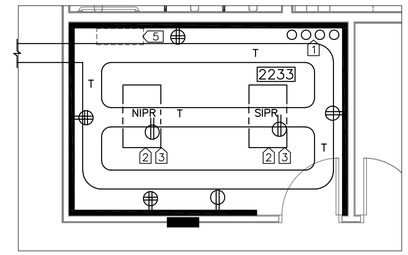
Border Revised 03/01/04, CCEWHT02.DWG



ENLARGED COMMUNICATIONS ROOM – 1250 (A)

SCALE: 1/4" = 1'-0"

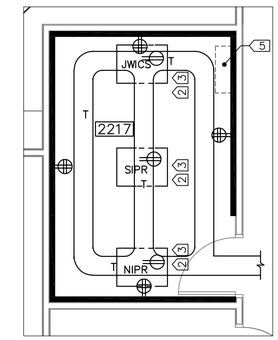
T-124 | T-129



ENLARGED COMMUNICATIONS ROOM – 2233 (B)

SCALE: 1/4" = 1'-0"

T-126 | T-129



ENLARGED COMMUNICATIONS ROOM – 2217 (C)

SCALE: 1/4" = 1'-0"

T-125 | T-129

KEYED NOTES:

1. (4) 4" C – RISER BACKBONE DUCTS FEEDING FROM ROOM 1250 (UNDER 2ND FLOOR SLAB) TO ROOM 2233. (1) 4" C WITH (1) 300-PR CU TELEPHONE CABLE; (1) 4" C WITH (4-1" INNERDUCTS) 1-INNDERDUCT WITH 6 STRAND MULTIMODE FIBER OPTIC CABLE AND 1-4" C WITH CABLE TV CABLE; (1) 4" C SPARE.
2. 7 FT. FLOOR MOUNTED LOCKABLE EQUIPMENT CABINET. EACH WITH 2-48 PORT PATCH PANELS AND 2-12 PORT FIBER OPTIC PATCH PANELS.
3. FLOOR-MOUNTED 24"W X 36"D X 7'H DATA COMMUNICATIONS CABINET. BOND TO TGB WITH #6 CU GROUND.
4. SERVICE ENTRANCE COMMUNICATIONS DUCTS. SEE T-128 FOR DESCRIPTION AND CONTINUATION.
5. CABLE TV SYSTEM WIRING AND EQUIPMENT.

GENERAL NOTES:

1. ALL CABLE TRAY SHALL BE INSTALLED CONEALED ABOVE DROP CEILING AND EXPOSED IN ALL COMMUNICATION ROOMS.
2. SEE SHEETS E-505, E-510 AND E-511 FOR BACKBOARD ELEVATION DETAILS.
3. ALL DUCTS SHALL HAVE A MINIMUM 4" SEPARATION BETWEEN THEM, SHALL BE 3" MAXIMUM FROM WALL, AND SHALL EXTEND 1" AFF MINIMUM.

GRAPHIC SCALE

1/4"=1'-0"

0 2' 4' 8' 12' 16' 20'

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

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Dwn by: J. FRESCAS
Reviewed by: J. PARRISH
Supervised by: Thomas E. Nissen
Chief, Mech./Elec. Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
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SACRAMENTO, CA 95814-2922

NEVADA

NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

COMMUNICATION ROOM ENLARGED PLANS

BUILDING 282 ADDITION

Sheet reference number:

T-129

Border Revised 03/01/04, CCESI01D2.DWG