PANEL DESIGNATION: NE5 | BUS AMP: 225A | MIN. A.I.C.: 22,000 | MAIN BREAKER: 225A
LOCATION: ROOM 061 | PHASE: 3 | WIRE: 4 | VOLTAGE: 208Y/120
MOUNTING: SURFACE | NOTES: PROVIDE ISOLATED GROUND BUS BAR.
TOTAL POLES: 42 | *-CONNECT ISOLATED GROUND WIRE TO ISOLATED GROUND BUS BAR.

CKT NO	DESCRIPTION	BREAKER AMP	POLES	LOAD (KW) A	B	C	WIRE NO	WIRE SIZE	GND. SIZE	COND SIZE	COND SIZE	GND. SIZE	WIRE SIZE	WIRE NO	LOAD (KW) A	B	C	BREAKER POLES	BREAKER AMP	DESCRIPTION	CKT NO
1	RECEPTACLES	20	1	0.5			2	12	12	3/4	3/4	12	12	2	1.1			1	20	RECEPTACLES	2
3	RECEPTACLES	20	1		0.7		2	12	12	3/4	3/4	12	12	2		1.0		1	20	CEILING FANS	4
5	RECEPTACLES	20	1			0.7	2	12	12	3/4	3/4	12	12	2			0.9	1	20	RECEPTACLES	6
7	RECEPTACLES	20	1	0.7			2	12	12	3/4	3/4	12	12	2	0.7			1	20	RECEPTACLES	8
9	RECEPTACLES	20	1		0.7		2	12	12	3/4	3/4	12	12	2		1.5		1	20	BAS CABINET	10
11	BAS CABINET	20	1			1.5	2	12	12	3/4	3/4	12	12	2			1.5	1	20	BAS CABINET	12
13	BAS CABINET	20	1	1.5			2	12	12	3/4	3/4	12	12	2	0.5			1	20	BOILER SEQUENCER	14
15	RECEPTACLES	20	1		0.9		2	12	12	3/4	3/4	12	12	2		0.9		1	20	RECEPTACLES	16
17	RECEPTACLES	20	1			0.9	2	12	12	3/4	3/4	12	12	2			1.3	1	20	RECEPTACLES	18
19	RECEPTACLES	20	1	1.1			2	12	12	3/4	3/4	12	12	2	1.0			1	20	RECP. - GEARGRID	20
21	RECP. - GEARGRID	20	1		1.0		2	12	12	3/4	3/4	12	12	2		1.0		1	20	RECP. - GEARGRID	22
23	RECP. - GEARGRID	20	1			1.0	2	12	12	3/4	3/4	12	12	2			1.0	1	20	RECP. - GEARGRID	24
25	RECP. - GEARGRID	20	1	1.0			2	12	12	3/4	3/4	12	12	2	1.0			1	20	RECP. - GEARGRID	26
27	RECP. - GEARGRID	20	1		1.0		2	12	12	3/4	3/4	12	12	2		1.0		1	20	RECP. - GEARGRID	28
29	RECP. - GEARGRID	20	1			1.0	2	12	12	3/4	3/4	2 (12)	12	2			0.7	1	20	RECEPTACLES - *	30
31	RECEPTACLES - *	20	1	0.7			2	12	2 (12)	3/4	3/4	2 (12)	12	2	0.5			1	20	RECEPTACLES - *	32
33	RECEPTACLES	20	1		0.7		2	12	12	3/4	3/4	12	12	2		0.7		1	20	RECEPTACLES	34
35	RECEPTACLES	20	1			0.5	2	12	12	3/4	3/4	12	12	2			1.0	1	20	GWH-1,2,3,4, P-A	36
37	EF-6	20	1	0.7			2	12	12	3/4					0.0			1	20	SPARE	38
39	SPARE	20	1		0.0											0.0		1	20	SPARE	40
41	SPARE	20	1			0.0											0.0	1	20	SPARE	42
	SIDE TOTAL KW LOAD			6	5	6									5	6	6			SIDE TOTAL KW LOAD	

PANEL DESIGNATION: LS | BUS AMP: 100A | MIN. A.I.C.: 22,000 | MAIN BREAKER: 100A
LOCATION: ELECTRIC 22 | PHASE: 3 | WIRE: 4 | VOLTAGE: 208Y/120
MOUNTING: SURFACE | NOTES: PROVIDE BREAKER LOCKS ON ALL CIRCUIT BREAKERS
TOTAL POLES: 24

CKT NO	DESCRIPTION	BREAKER AMP	POLES	LOAD (KW) A	B	C	WIRE NO	WIRE SIZE	GND. SIZE	COND SIZE	COND SIZE	GND. SIZE	WIRE SIZE	WIRE NO	LOAD (KW) A	B	C	BREAKER POLES	BREAKER AMP	DESCRIPTION	CKT NO
1	FIRE ALARM CONT. PNL.	20	1	0.5			2	12	12	3/4	3/4	12	12	2	0.5			1	20	NAC PANEL	2
3	LIGHTS	20	1		0.6		2	12	12	3/4	3/4	12	12	2		0.4		1	20	LIGHTS	4
5	LIGHTS - APP. BAY	20	1			1.3	2	12	12	3/4	3/4	12	12	2			1.3	1	20	LIGHTS - APP. BAY	6
7	LIGHTS - APP. BAY	20	1	1.0			2	12	12	3/4	3/4	12	12	2	1.0			1	20	LIGHTS - APP. BAY	8
9	LIGHTS	20	1		0.5		2	12	12	3/4	3/4	12	12	2		0.7		1	20	LIGHTS	10
11	LIGHTS	20	1			1.0	2	12	12	3/4	3/4	12	12	2			1.2	1	20	LIGHTS	12
13	LIGHTS	20	1	0.8			2	12	12	3/4	1	10	10	2	0.5			1	20	BATTERY CHARGER	14
15	GAS SHUT-OFF VALVE	20	1		0.2		2	12	12	3/4	1	10	10	3		1.3		2	20	JACKET WATER HEATER	16
17	SMOKE DAMPERS	20	1			0.3	2	12	12	3/4							1.3			----------	18
19	SPARE	20	1	0.0											0.0			1	20	SPARE	20
21	SPARE	20	1		0.0											0.0		1	20	SPARE	22
23	SPARE	20	1			0.0											0.0	1	20	SPARE	24
25					0										0						26
27						0										0					28
29							0										0				30
31					0										0						32
33						0										0					34
35							0										0				36
37					0										0						38
39						0										0					40
41							0										0				42
	SIDE TOTAL KW LOAD				2	1	3								2	2	4			SIDE TOTAL KW LOAD	

LIGHTING CONTROL PANEL

PANEL DESIGNATION: LCP | PANEL TYPE: FEED-THRU

ZONE	CIRCUITS	AREA/ROOM	ZONE DESCRIPTION	INTERFACES
1	NE1-66	APPARATUS BAY	FIRE/NORMAL	TIMECLOCK
2	NE1-68	APPARATUS BAY	FIRE/NORMAL	TIMECLOCK
3	LS-5	APPARATUS BAY	FIRE/LIFE SAFETY	TIMECLOCK
4	LS-6	APPARATUS BAY	FIRE/LIFE SAFETY	TIMECLOCK
5	NE1-76	APPARATUS BAY	RESCUE/NORMAL	TIMECLOCK
6	NE1-78	APPARATUS BAY	RESCUE/NORMAL	TIMECLOCK
7	LS-7	APPARATUS BAY	RESCUE/LIFE SAFETY	TIMECLOCK
8	LS-8	APPARATUS BAY	RESCUE/LIFE SAFETY	TIMECLOCK
9	NE1-79	PARKING LOT/RAMP LIGHTING	FIRE	TIMECLOCK/PHOTOCELL
10	NE1-80	PARKING LOT/RAMP LIGHTING	RESCUE	TIMECLOCK/PHOTOCELL
11	NE1-94	PARKING LOT/RAMP LIGHTING	FIRE/RESCUE	TIMECLOCK/PHOTOCELL
12	NE1-96	FLAG POLES	FLAG POLES	PHOTOCELL/SWITCH OVERRIDE
13	NE1-83	SIGN LIGHTS	SIGNS	TIMECLOCK/PHOTOCELL
14			SPACE - PFFB	
15			SPACE - PFFB	
16			SPACE - PFFB	
17			SPACE - PFFB	
18			SPACE - PFFB	
19			SPACE - PFFB	
20			SPACE - PFFB	
21			SPACE - PFFB	
22			SPACE - PFFB	
23			SPACE - PFFB	
24			SPACE - PFFB	

LIGHTING CONTROL SYSTEM SWITCH SCHEDULE

SWITCH TAG	FLOOR	LOCATION	BUTTON NUMBER	ZONES CONTROLLED	REMARKS
A1	1	FIRE APPARATUS BAY	1	ZONE 1-4	
			2	ZONE 1,3	
			3	ZONE 2,4	
			4	UNNASSIGNED	
A2	1	RESCUE APPARATUS BAY	1	ZONE 5-8	
			2	ZONE 5,7	
			3	ZONE 6,8	
			4	UNNASSIGNED	
A3	1	FLAG POLES	4	ZONE 12	PHOTOCELL OVERRIDE

NOTE:
PANELS ON THIS SHEET:

NE5	LS
LCP	SWITCH SCHED.
XXX	XXX
XXX	XXX
XXX	XXX

0 40 60 80 120

NOTE:
CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & EXISTING CONDITIONS AT SITE.

BID SET

HUGHES GROUP ARCHITECTS
22630 DAVIS DRIVE, SUITE 175
STERLING, VIRGINIA 20164
703.437.6600

CIVIL:
ALPHA CORPORATION
21351 Ridgetop Circle, Suite 200
Sterling, VA 20166
(703) 450-0800

STRUCTURAL:
EHLERT-BRYAN
1451 Dolley Madison Blvd. Suite 220
Mclean, VA 22101
(703) 827-9552

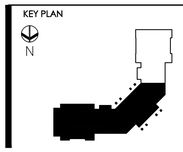
MECHANICAL/ELECTRICAL:
BRINJAC ENGINEERING
4000 Albermarle Street, NW
Washington, DC 20016
(202) 237-2750

PURCELLVILLE FIRE AND RESCUE

500 MAPLE AVE. BUILDING #
PURCELLVILLE, VIRGINIA

PANEL SCHEDULES

KEY PLAN



REVISIONS:

ISSUES:
9-26-07 BID SET

STAMP AND SEAL:

DATE: 09-26-07
SCALE: AS NOTED
PROJECT NO. 0611
SHEET: E-504

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