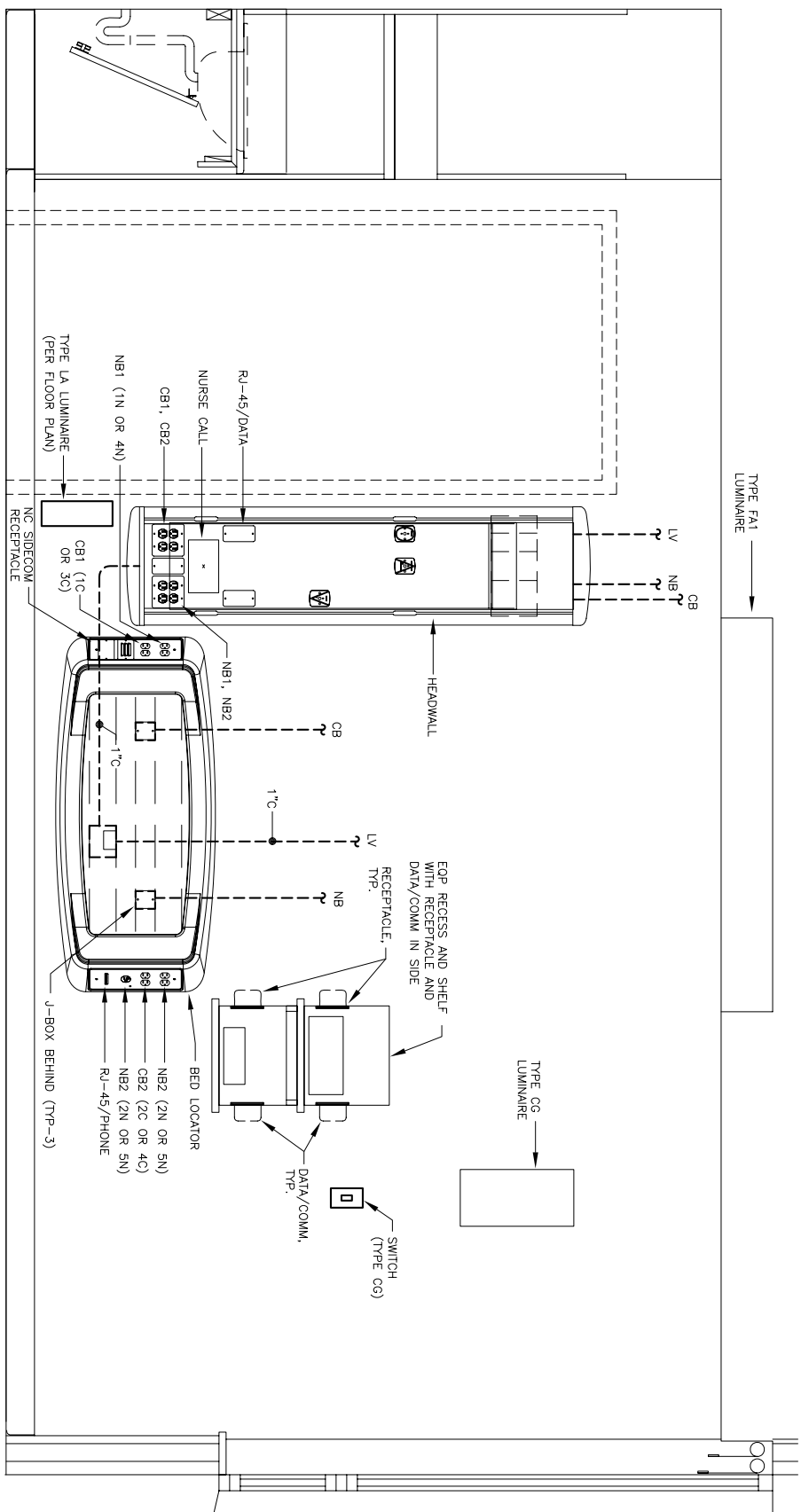
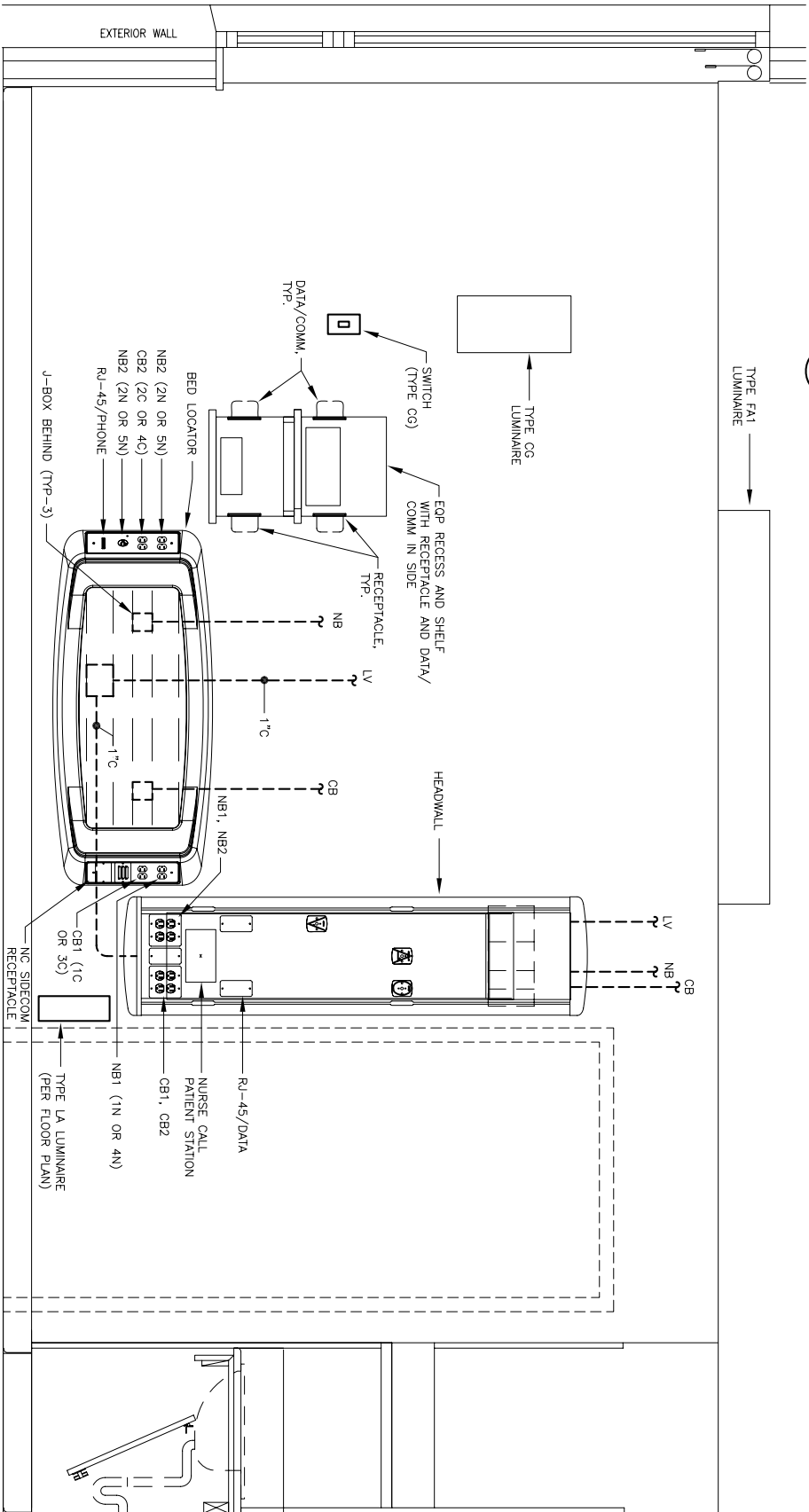




2 TYPICAL PATIENT ROOM HEADWALL - LEFT

SCALE: 0 6" 1' 2'

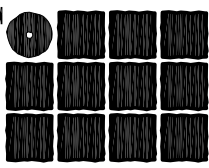


1 TYPICAL PATIENT ROOM HEADWALL - RIGHT

SCALE: 0 6" 1' 2'

NOTES

1. TYPE LA STEP-LIGHT LUMINAIRE LOCATION IS TYPICAL FOR ROOMS 3324, 3332, AND 3334. SEE SHEETS E303, AND E304 FOR OTHER ROOM LOCATIONS.



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Jun 29, 2010



**City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska**

REVISIONS

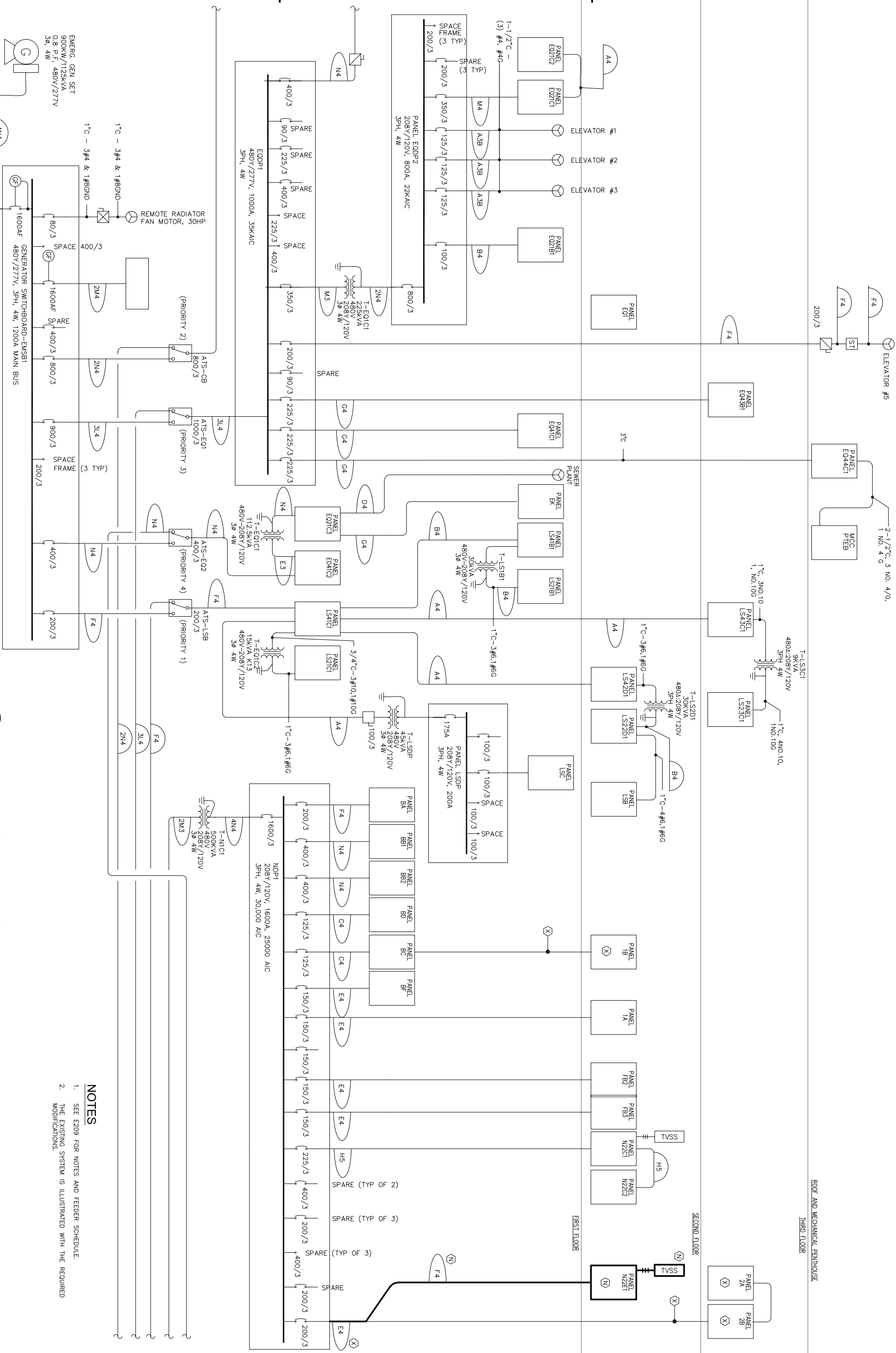
NO.	REVISIONS
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SHEET TITLE
DETAILS

DATE: July 1, 2010

FILE: 0859

E207



- NOTES**
- SEE E209 FOR NOTES AND FEEDER SCHEDULE.
 - THE EXISTING SYSTEM IS ILLUSTRATED WITH THE REQUIRED MODIFICATIONS.

1 PARTIAL SINGLE LINE DIAGRAM - POWER DISTRIBUTION

REVISIONS

△		
△		
△		

SHEET TITLE

SINGLE LINE DIAGRAMS

DATE: July 1, 2010

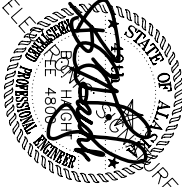
FILE: 0859

E208

City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska



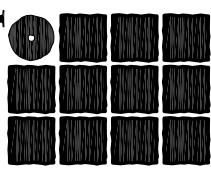
Jun 29, 2010

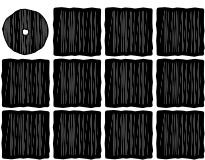


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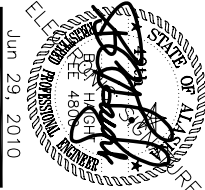
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City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska



SHEET TITLE
SCHEDULES

DATE: July 1, 2010
FILE: 0899

E209

SCHEDULE NOTES

- CONDUIT SIZING BASED ON RIGID GALVANIZED STEEL CONDUIT TYPE WITH THHN/THWN-2 AND XHHW WIRE. TAKING INTO ACCOUNT BOTH CONDUIT FILL AND JAMB RATIO. CONFIRM CONDUIT FILL AND JAMB RATIOS FOR FEEDER CONFIGURATIONS OTHER THAN THOSE SHOWN.
- AMPACITIES LISTED ARE BASED ON THE FOLLOWING TAKEN FROM TABLE 310-16.
 - 75° RATING FOR 3W AND 4W FEEDERS.
 - 90 RATING FOR 5W FEEDERS DE-RATED TO 80% WHERE PREDOMINANTLY HARMONIC CURRENTS ARE PRESENT. NEUTRALS ≥ #1/0 ARE PARALLELED ON 5W FEEDERS.
- INCREASE RACEWAY SIZE FOR OTHER TYPES OF RACEWAYS AND CONDUCTOR INSULATION, AND DIFFICULT OR LONG PULLS.
- GROUND WIRE SIZE INCREASED FOR PARALLEL CONDUCTOR RUNS PER NEC TABLE 250-122.

FEEDER SCHEDULE

FEEDER NO.	COPPER CONDUCTORS		AMPACITY NOTE 2
	CONDUIT	WIRE	
A4	1 1/4"	4 - #4, 1 #8 G.	85
A3	1"	3 - #4, 1 #8 G.	85
A3B	1-1/4"	3 - #4, 1 #4 G.	85
B4	1 1/4"	4 - #2, 1 #6 G.	115
B3	1 1/4"	3 - #2, 1 #6 G.	115
C5	2"	3 - #1, 1 #1/0 N, 1 #6 G.	120
C4	1 1/2"	4 - #1, 1 #6 G.	130
C3	1 1/2"	3 - #1, 1 #6 G.	130
D5	2"	5 - #1/0, 1 #6 G.	136
D4	1 1/2"	4 - #1/0, 1 #6 G.	150
D3	1 1/4"	3 - #1/0, 1 #6 G.	150
E5	2"	5 - #2/0, 1 #6 G.	156
E4	2"	4 - #2/0, 1 #6 G.	175
E3	1 1/2"	3 - #2/0, 1 #6 G.	175
F5	2 1/2"	5 - #3/0, 1 #6 G.	180
F4	2"	4 - #3/0, 1 #6 G.	200
F3	2"	3 - #3/0, 1 #6 G.	200
G5	2 1/2"	5 - #4/0, 1 #4 G.	208
G4	2 1/2"	4 - #4/0, 1 #4 G.	230
G3	2"	3 - #4/0, 1 #4 G.	230
H5	3"	5-250kenil, 1 #4 G.	232
H4	2 1/2"	4-250kenil, 1 #4 G.	255
H3	2 1/2"	3-250kenil, 1 #4 G.	255
J5	3"	5-300kenil, 1 #4 G.	256
J4	3"	4-300kenil, 1 #4 G.	285
J3A	3"	3-300kenil, 1 #3 G.	285
J3	3"	3-300kenil, 1 #4 G.	285
K5	3"	5-350kenil, 1 #4 G.	280
K4	3"	4-350kenil, 1 #4 G.	310
K3	3"	3-350kenil, 1 #4 G.	310
L5	3 1/2"	5-400kenil, 1 #2 G.	304
L4	3"	4-400kenil, 1 #2 G.	335
L3	3"	3-400kenil, 1 #2 G.	335
M5	3 1/2"	5-500kenil, 1 #2 G.	344
M4	3"	4-500kenil, 1 #2 G.	380
M3	3"	3-500kenil, 1 #2 G.	380
N5	4"	5-600kenil, 1 #2 G.	380
N4	3 1/2"	4-600kenil, 1 #2 G.	420
N3	3 1/2"	3-600kenil, 1 #2 G.	420
2H5	(2) 3"	5-250kenil, 1 #2 G. EA.	464
2H4	(2) 2-1/2"	4-250kenil, 1 #2 G. EA.	510
2H3	(2) 2-1/2"	3-250kenil, 1 #2 G. EA.	510
2J5	(2) 3"	5-300kenil, 1 #2 G. EA.	512
2K5	(2) 3"	5-350kenil, 1 #1 G. EA.	560
2K4	(2) 3"	4-350kenil, 1 #1 G. EA.	620
2K3	(2) 2-1/2"	3-350kenil, 1 #1 G. EA.	620
2L5	(2) 3-1/2"	5-400kenil, 1 #1 G.	536
2M4	(2) 3"	4-500kenil, 1 #1/0 G. EA.	760
2M3	(2) 3"	3-500kenil, 1 #1/0 G. EA.	760
2N3	(2) 3-1/2"	4-600kenil, 1 #1/0 G. EA.	840
3L4	(3) 3"	4-400kenil, 1 #2/0 G. EA.	1005
3L3	(3) 3"	3-400kenil, 1 #2/0 G. EA.	1005
4H4	(4) 2-1/2"	4-250kenil, 1 #2/0 G. EA.	1020
4H3	(4) 2-1/2"	3-250kenil, 1 #3/0 G. EA.	1020
4K3	(4) 3"	3-350kenil, 1 #3/0 G. EA.	1240
4L4	(4) 3"	4-400kenil, 1 #4/0 G. EA.	1340
4N4	(4) 3-1/2"	4-600kenil, 1 #4/0 G. EA.	1680
4N3	(4) 3-1/2"	3-600kenil, 1 #4/0 G. EA.	1680
5N5	(5) 4"	5-600kenil, 1 #350 G. EA.	1680
5N4	(5) 3-1/2"	4-600kenil, 1 #250 G. EA.	2100
5N3	(5) 3-1/2"	3-600kenil, 1 #250 G. EA.	2100
6N4	(6) 3-1/2"	4-600kenil, 1 #350 G. EA.	2520
6N3	(6) 3-1/2"	3-600kenil, 1 #350 G. EA.	2520

MECHANICAL EQUIPMENT SCHEDULE

MECHANICAL EQUIPMENT SCHEDULE															
DESIGNATION			LOAD					CIRCUITING				CONTROL			
ITEM	DESCRIPTION	LOCATION	HP	KW	AMPS	VOLTS	PHASE	NO.	RATING	CONDUCTORS		DISCONNECT		STARTER/CONTROL SIZE	REMARKS
										SWITCH	FUSE				
HVAC-1	CHILLED WATER COOLING FAN UNIT	CEILING SPACE OF SOLARIUM	1			208	3	EQ44C1-1,3,5	15/3	3 NO. 12, 1 NO. 12 GND		30A		0	H-O-A
EF-35	EXHAUST FAN	ROOF ABOVE EAST WING-NORTH	1/4			120	1	2PTB-23	20/1	2 NO. 12, 1 NO. 12 GND		20A		0	H-O-A
EF-36	EXHAUST FAN	ROOF ABOVE CONFERENCE	1/4			120	1	2PTB-23	20/1	2 NO. 12, 1 NO. 12 GND		20A		0	⌘
CWP-5	PUMP FOR HVAC-1	PENTHOUSE Z-1	1/2			120	1	2PTB-24	20/1	2 NO. 12, 1 NO. 12 GND		30A		0	H-O-A
CONTROL PANEL	FOR THIRD FLOOR TERMINAL UNITS	ELECTRICAL 3482				120	1	2PTB-21	20/1	2 NO. 12, 1 NO. 12 GND					

NOTES:

- PROVIDE NEW CIRCUIT BREAKERS FOR NEW CIRCUITS.
- PROVIDE HANDLE TIES WHERE CIRCUITS UTILIZE A COMMON NEUTRAL.

PANEL CB23D1		SIZE		VOLTS/PHASE		MAIN		LOCATION		MOUNT	
C _K NO	DESCRIPTION	225 AMPS (10 KVA)		208Y/120V 3 PH		MLO		ELECT. ROOM 3482		SURFACE	
		BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K NO	
1	MS NURSE STATION 3373	20/1	0.7	1.4			0.7	20/1	RX IV ADD 3484	2	
3	MS NURSE STATION 3373 REFRIGERATOR	20/1	0.4		2.2		1.8	20/1	RX IV ADD 3484 HOOD	4	
5		20/1	0.0			1.8	20/1	RX IV ADD 3484 HOOD		6	
7		20/1	0.0	0.0			0.0	20/1		8	
9		20/1	0.0		0.7		0.7	20/1	RX PHARM 3483	10	
11		20/1	0.0			0.4	0.4	20/1	RX PHARM 3483 FREEZER	12	
13		20/1	0.0	1.1			1.1	20/1	RX PHARM 3483 REFRIGERATOR	14	
15		20/1	0.0		0.6		0.6	20/1	MS ELEV LOBBY 3300 X-RAY	16	
17		20/1	0.0			0.2	0.2	20/1	RX PHARM DOORS	18	
19		20/1	0.0	0.0			0.0	20/1		20	
21		20/1	0.0		0.0		0.0	20/1		22	
23		20/1	0.0			0.0	0.0	20/1		24	
25		20/1	0.0	0.0			0.0	20/1		26	
27		20/1	0.0		0.0		0.0	20/1		28	
29		20/1	0.0			0.0	0.0	20/1		30	
31		20/1	0.0	0.0			0.0	20/1		32	
33		20/1	0.0		0.0		0.0	20/1		34	
35		20/1	0.0			0.0	0.0	20/1		36	
37		20/1	0.0	0.8			0.8	20/1	NURSE CALL SYSTEM	38	
39	CORRIDOR 3300X/M WIRELESS TRANSCIVERS	20/1	0.5		0.9		0.4	20/1	COMMS RACK	40	
41	CORRIDOR 3300	20/1	0.9			1.3	0.4	20/1	COMMS RACK	42	
BALANCED CONNECTED LOAD: 11.4 KVA / 31.7 AMPS				3.3	4.4	3.7					
MAXIMUM CONNECTED LOAD: 11.4 KVA / 27.5 AMPS											

PANEL CB23D2		SIZE		VOLTS/PHASE		MAIN		LOCATION		MOUNT	
C _K NO	DESCRIPTION	225 AMPS (10 KVA)		208Y/120V 3 PH		MLO		ELECT. ROOM 3482		SURFACE	
		BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K NO	
1	MS PAT ROOM 3322	1C	20/1	0.7	1.4		0.7	20/1	MS PAT ROOM 3338	1C	2
3	MS PAT ROOM 3322	2C	20/1	0.4		0.8		0.4	MS PAT ROOM 3338	2C	4
5	MS PAT ROOM 3321	3C	20/1	0.7		1.4	0.7	20/1	MS PAT ROOM 3339	3C	6
7	MS PAT ROOM 3321	4C	20/1	0.4	0.8		0.4	20/1	MS PAT ROOM 3339	4C	8
9	MS PAT ROOM 3320	1C	20/1	0.7		1.4	0.7	20/1	MS PAT ROOM 3340	1C	10
11	MS PAT ROOM 3320	2C	20/1	0.4		0.8	0.4	20/1	MS PAT ROOM 3340	2C	12
13	MS PAT ROOM 3319	3C	20/1	0.7	1.4		0.7	20/1	MS PAT ROOM 3341	3C	14
15	MS PAT ROOM 3319	4C	20/1	0.4		0.8	0.4	20/1	MS PAT ROOM 3341	4C	16
17	MS PAT ROOM 3325	1C	20/1	0.5		1.0	0.5	20/1	MS PAT ROOM 3332	1C	18
19	MS PAT ROOM 3325	2C	20/1	0.3	0.6		0.3	20/1	MS PAT ROOM 3332	2C	20
21	MS PAT ROOM 3324	1C	20/1	0.5		1.0	0.5	20/1	MS PAT ROOM 3333	3C	22
23	MS PAT ROOM 3324	2C	20/1	0.3		0.6	0.3	20/1	MS PAT ROOM 3333	4C	24
25	MS PAT ROOM 3323	3C	20/1	0.5	1.0		0.5	20/1	MS PAT ROOM 3334	1C	26
27	MS PAT ROOM 3323	4C	20/1	0.3	0.6		0.3	20/1	MS PAT ROOM 3334	2C	28
29			0.0			0.5	0.5	20/1	MS PAT ROOM 3335	3C	30
31			0.0	0.3			0.3	20/1	MS PAT ROOM 3335	4C	32
33			0.0		0.5		0.5	20/1	BARIATRIC MS PAT ROOM 3336	1C	34
35			0.0			0.3	0.3	20/1	BARIATRIC MS PAT ROOM 3336	2C	36
37			0.0	0.5			0.5	20/1	BARIATRIC MS PAT ROOM 3337	3C	38
39			0.0		0.3		0.3	20/1	BARIATRIC MS PAT ROOM 3337	4C	40
41			0.0			0.2	0.2	20/1	BARIATRIC MS PAT ROOM 3336, 3337 LIFTS		42
BALANCED CONNECTED LOAD: 16.2 KVA / 45.0 AMPS				6.0	5.4	4.8					
MAXIMUM CONNECTED LOAD: 16.2 KVA / 50.0 AMPS											

TOTAL CB230:			9.3	9.8	8.5				BALANCED DEMAND LOAD = 11.0 KVA / 31 AMPS
BALANCED CONNECTED LOAD: 27.6 KVA / 76.7 AMPS									MAXIMUM DEMAND LOAD = 11.0 KVA / 33 AMPS
MAXIMUM CONNECTED LOAD: 27.6 KVA / 81.7 AMPS									

PANEL N22E1										N				
Circuit No		Description	200 AMPS		VOLTS/PHASE		MAIN		LOCATION		MOUNT			
					208Y/120V 3 PH		MLO		CORRIDOR 2217D		FLUSH			
		BREAKER AMP/POLE	KVA				BREAKER AMP/POLE	DESCRIPTION						
		CKT	AØ	BØ	CØ	CKT								
1		0.0	0.7			0.7	20/1	CORRIDOR 2217E						
3		0.0		0.2		0.2	20/1	TEMPORARY SURGERY STORAGE 2402						
5		0.0			1.1	1.1	20/1	TEMPORARY SURGERY STORAGE 2402						
7		0.0	0.5			0.5	20/1	TEMPORARY SURGERY STORAGE 2402						
9		0.0		0.7		0.7	20/1	TEMPORARY SURGERY STORAGE 2402						
11		0.0	1.1		0.0	0.0								
13		0.0	0.0			0.0								
15		0.0		0.0		0.0								
17		0.0	1.7		0.0	0.0								
19		0.0	0.0			0.0								
21		0.0		0.0		0.0								
23		0.0			0.0	0.0								
25		0.0	0.0			0.0								
27		0.0		0.0		0.0								
29		0.0			0.0	0.0								
31		0.0	0.1			0.0								
33		0.0		0.0		0.0								
35		0.0			0.0	0.0								
37		0.0	0.0			0.0								
39		0.0		0.0		0.0								
41		0.0			0.2	0.2	20/1	WIRELESS TRANSCEIVERS CORRIDOR 2217E						
BALANCED CONNECTED LOAD: 3.4 KVA / 9.4 AMPS												42	BALANCED TRANSCEIVERS CORRIDOR 2217E	
MAXIMUM CONNECTED LOAD: 3.4 KVA / 10.0 AMPS												MAXIMUM DEMAND LOAD = 0.7 KVA / 1.9 AMPS		
												MAXIMUM DEMAND LOAD = 0.7 KVA / 2.9 AMPS		

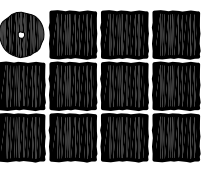
PANEL N43D1										SIZE	VOLTS/PHASE	MAIN	LOCATION	MOUNT
										225 AMPS (25 KAIC)	480V/277V 3 PH	W/O	ELECT ROOM 3382	SURFACE
Ck T	DESCRIPTION	BREAKER AMP/ POLE	KVA			BREAKER AMP/ POLE	DESCRIPTION	Ck T						
			CKT	AØ	BØ				CØ					
1	ELECT. ROOM & ELEV EAST	20/1	0.0	0.6		0.6	20/1	PATIENT RMS 3352,3324-3325, STOR 3383	LTG 2					
3	6 NORTH AND WEST CORRIDORS	20/1	0.0		1.5	1.5	20/1	PATIENT RMS 3352-3357, RMS 3376-3382	LTG 4					
7	NORTH PATIENT ROOMS	20/1	0.0	0.0		0.0	20/1		6					
9		20/1	0.0		0.0	0.0	20/1		8					
11		20/1	0.0			0.0	20/1		10					
13		20/1	0.0	0.0		0.0	20/1		12					
15		20/1	0.0		0.0	0.0	20/1		14					
17		20/1	0.0			0.0	20/1		16					
19		20/1	0.0	0.0		0.0	20/1		18					
21		20/1	0.0		0.0	0.0	20/1		20					
23		20/1	0.0			0.0	20/1		22					
25		20/1	0.0	0.0		0.0	20/1		24					
27		20/1	0.0		0.0	0.0	20/1		26					
29		20/1	0.0			0.0	20/1		28					
31		20/1	0.0	0.0		0.0	20/1		30					
33		20/1	0.0		0.0	0.0	20/1		32					
35		20/1	0.0			0.0	20/1		34					
37		20/1	0.0	26.6		26.6	125/3	PANEL N23D1	36					
39		20/1	0.0	26.6	26.6	26.6	--	XFMR T-N3D1	38					
41		20/1	0.0		26.6	26.6	--	(75 KVA)	40					
BALANCED CONNECTED LOAD: 81.9 KVA / 98.7 AMPS										BALANCED DEMAND LOAD = 26.4 KVA / 31.8 AMPS				
MAXIMUM CONNECTED LOAD: 81.9 KVA / 101.4 AMPS										MAXIMUM DEMAND LOAD = 33.7 KVA / 40.6 AMPS				

- NOTES:**
1. PROVIDE NEW CIRCUIT BREAKERS FOR NEW CIRCUITS.
 2. PROVIDE HANDLE TIES WHERE CIRCUITS UTILIZE A COMMON NEUTRAL.

PANEL CB43C1										
K _T NO	DESCRIPTION	SIZE		VOLTS/PHASE		MAIN MLO	LOCATION	MOUNT		
		150 AMPS (25 KAC)	480V/277V 3 PH	Ø	Ø					
BREAKER AMP/ POLE	CKT	Ø	KVA	Ø	CKT	BREAKER AMP/ POLE	DESCRIPTION	K _T NO		
1	NURSES STATION & WEST	LTG	20/1	0.8	1.2	0.4	20/1	PATIENT RMS 3323, 3324, 3325	LTG 2	
3	PHARMACY & EAST	LTG	20/1	0.6	1.1	0.5	20/1	PATIENT RMS 3332, 3333, 3334, 3335	LTG 4	
5			0.0			0.0	0.0	20/1	6	
7	NORTH PATIENT ROOMS	LTG	20/1	1.3	1.7		0.4	20/1	LTG 8	
9	SOUTH PATIENT ROOMS	LTG	20/1	1.2	1.2	0.0	0.0	20/1	10	
11			20/1	0.0		0.0	0.0	20/1	12	
13			20/1	0.0	0.0		0.0	20/1	14	
15			20/1	0.0		0.0	0.0	20/1	16	
17			20/1	0.0		0.0	0.0	20/1	18	
19			20/1	0.0	0.0		0.0	20/1	20	
21			20/1	0.0		0.0	0.0	20/1	22	
23			20/1	0.0			0.0	20/1	24	
25			20/1	0.0	12.4		12.4	PANEL CB23C1	26	
27			20/1	0.0	12.4		12.4	XMTR T-CB3C1	28	
29			20/1	0.0	15.3	14.7	12.4	-- (75 KVA)	30	
BALANCED CONNECTED LOAD: 42.4 KVA / 51.1 AMPS						BALANCED DEMAND LOAD = 17.0 KVA / 20.4 AMPS				
MAXIMUM CONNECTED LOAD: 42.4 KVA / 55.2 AMPS						MAX DEMAND LOAD = 18.4 KVA / 22.1 AMPS				

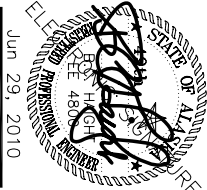
PANEL LS43C1										SIZE	VOLTS/PHASE	MAIN	LOCATION	MOUNT
										100 AMPS (14 KVAIC)	480V/277V 3 PH	MLO	ELECT ROOM 3363	SURFACE
C _K T NO	DESCRIPTION	BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K T NO				
1	NORTH CORRIDOR	LTG	20/1	0.8	0.8		0.0	20/1		2				
3	SOUTH CORRIDOR	LTG	20/1	0.6		0.6	0.0	20/1		4				
5				0.0		0.0	0.0	20/1		6				
7	CORRIDORS 3300K, 3300M	LTG	20/1	1.3	1.3		0.0	20/1		8				
9							0.0	20/1		10				
11			20/1	0.0		0.0	0.0	20/1		12				
13			20/1	0.0	0.0		0.0	20/1		14				
15			20/1	0.0		0.0	0.0	20/1		16				
17			20/1	0.0			0.0	20/1		18				
19			20/1	0.0	0.0		0.0	20/1		20				
21			20/1	0.0		0.0	0.0	20/1		22				
23			20/1	0.0		0.0	0.0	20/1		24				
25			20/1	0.0	0.3		0.3	15/3	PANEL LS23C1	26				
27			20/1	0.0		0.3	0.3	--	XFMTR T-LS3C1	28				
29			20/1	0.0		0.3	0.3	--	(9 KVA)	30				
BALANCED CONNECTED LOAD: 3.6 KVA / 4.3 AMPS										BALANCED DEMAND LOAD = 2.3 KVA / 3 AMPS				
MAXIMUM CONNECTED LOAD: 3.6 KVA / 8.7 AMPS										MAX DEMAND LOAD = 3.3 KVA / 4 AMPS				

- NOTES:
1. PROVIDE NEW CIRCUIT BREAKERS FOR NEW CIRCUITS.
 2. PROVIDE HANDLE TIES WHERE CIRCUITS UTILIZE A COMMON NEUTRAL.



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**HAIGHT
ASSOCIATES**
CONSULTING
ELECTRICAL
ENGINEERS

City & Borough of Juneau
Bartlett Regional Hospital
Medical /Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska

REVISIONS	
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SHEET TITLE
SCHEDULES

DATE: July 1, 2010
FILE: 0859

E211

PANEL 2PTEB		SIZE		VOLTS/PHASE			MAIN	LOCATION		MOUNT
		100 AMPS		208Y/120V, 3 PH			50/3	PENTHOUSE 2-1		SURFACE
C _K T NO	DESCRIPTION	BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K T NO
1	EF-8	20/1	0.0	0.0			0.0	20/1	RADIO CLUB	2
3	SF101 CONTROL	20/1	0.0		0.0		0.0	20/2	SPARE	4
5	PENTHOUSE LIGHTS	20/1	0.0			0.0	0.0	---	----	6
7	SF1-1 LIGHTS	20/1	0.0	0.0			0.0	20/1	BAS/DDC	8
9	RECEPIACLE	20/1	0.0			0.0		20/1	RP2	10
11	EF-21	20/1	0.0			0.0	0.0	20/1	FF3	12
13	HEAT TRACE	*	20/1	0.0	0.0		0.0	40/3	HRP-8	14
15	EF-27-29	20/1	0.0		0.0		0.0	---	----	16
17	EF-31	20/1	0.0		0.0		0.0	---	----	18
19	EF-30	20/1	0.0	0.0			0.0	20/1	EXT. LIGHTS	20
21	DDC PANEL	20/1	0.2		0.2		2.6	1.2		22
23	EF-35, EF-36 (1/4 HP)	20/1	0.2		0.2		2.6	20/1	CWP-5 (1/2 HP)	24
BALANCED CONNECTED LOAD: 2.8 KVA / 21.7 AMPS				0.0		0.2				
MAXIMUM CONNECTED LOAD: 2.8 KVA / 21.7 AMPS						0.0		2.6		

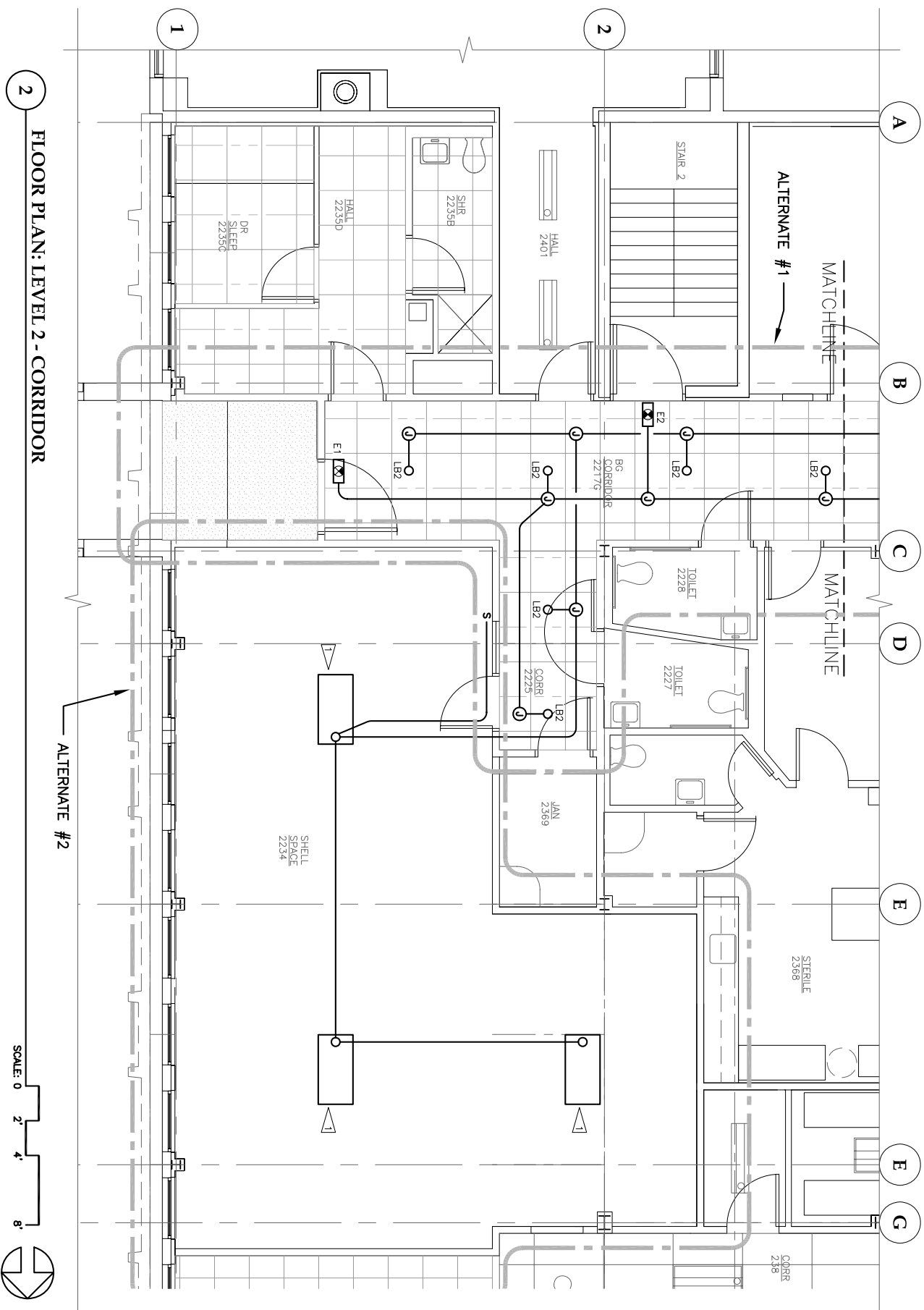
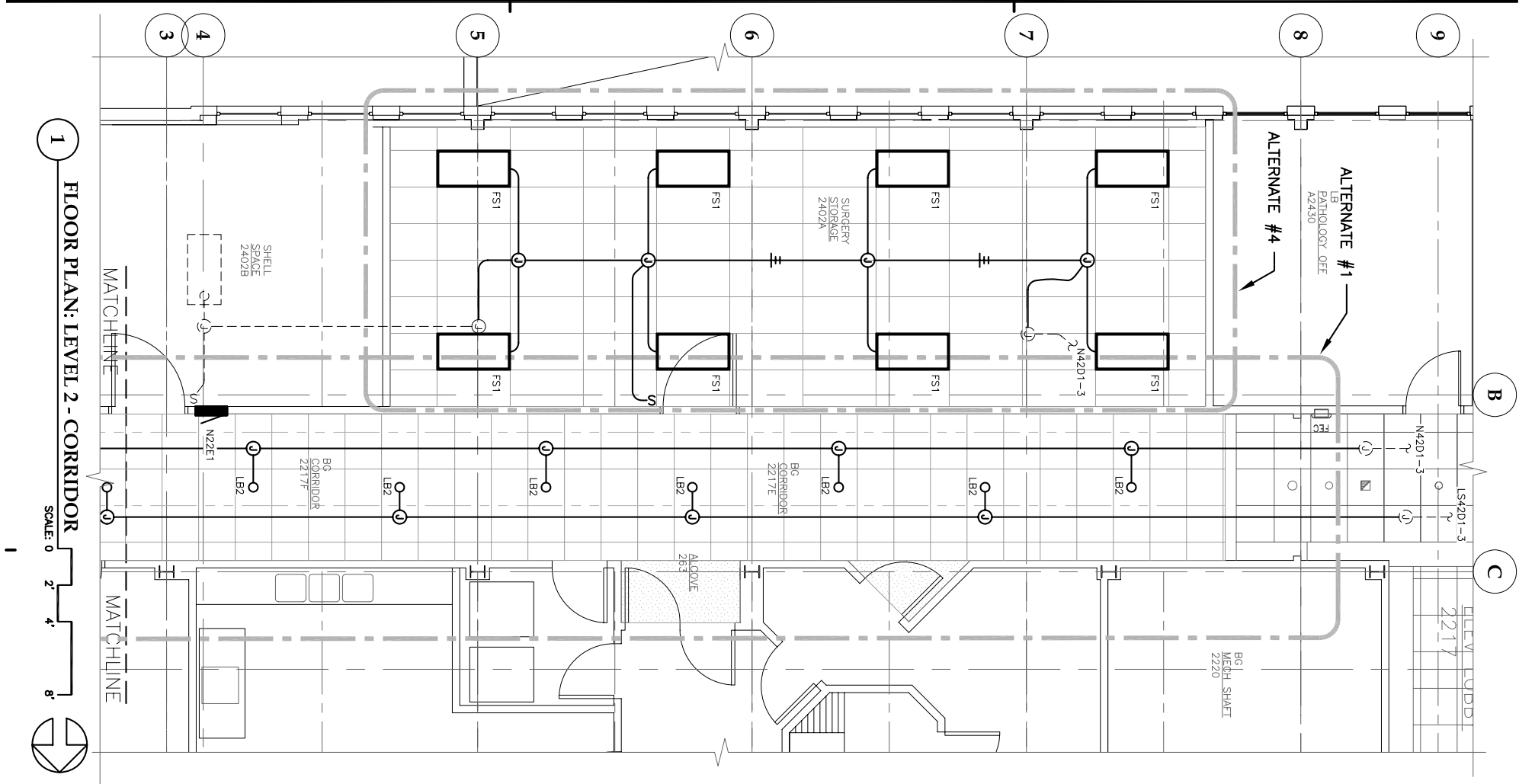
* CFI CIRCUIT BREAKER.

PANEL N23D2		SIZE		VOLTS/PHASE			MAIN	LOCATION		MOUNT
		225 AMPS (10 KMC)		208Y/120V 3 PH			MLO	ELECT ROOM 3482		SURFACE
C _K T NO	DESCRIPTION	BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K T NO
1	MS PAT ROOM 3322	20/1	0.4	0.8			0.4	20/1	MS PAT ROOM 3322	1N 2
3	MS PAT ROOM 3322	2N	0.4		0.8		0.4	20/1	MS PAT ROOM 3322	1N 4
5	MS PAT ROOM 3322/3321	3N	0.7			1.4	0.7	20/1	MS PAT ROOM 3322	1N 6
7	MS PAT ROOM 3321	4N	0.4	0.8			0.4	20/1	MS PAT ROOM 3322	1N 8
9	MS PAT ROOM 3321	5N	0.4		0.8		0.4	20/1	MS PAT ROOM 3322	1N 10
11	MS PAT ROOM 3320	1N	0.4			0.8	0.4	20/1	MS PAT ROOM 3322	1N 12
13	MS PAT ROOM 3320	2N	0.4	0.8			0.4	20/1	MS PAT ROOM 3322	1N 14
15	MS PAT ROOM 3320/3319	3N	0.7		1.4		0.7	20/1	MS PAT ROOM 3322	1N 16
17	MS PAT ROOM 3319	4N	0.4			0.8	0.4	20/1	MS PAT ROOM 3322	1N 18
19	MS PAT ROOM 3319	5N	0.4	0.8			0.4	20/1	MS PAT ROOM 3322	1N 20
21			0.0		0.0		0.0			22
23			0.0			0.0	0.0			24
25			0.0	0.0			0.0			26
27			0.0		0.0		0.0			28
29			0.0			0.0	0.0			30
31			0.0	0.0			0.0			32
33			0.0		0.0		0.0			34
35			0.0			1.5	1.5	20/1	SOLARIUM 3378 COFFEE MAKER	36
37			0.0	1.5			1.5	20/1	SOLARIUM 3378 MICROWAVE	38
39			0.0		0.5		0.5	20/1	SOLARIUM 3378	40
41			0.0		1.1		1.1	20/1	SOLARIUM 3378	42
BALANCED CONNECTED LOAD: 13.8 KVA / 38.3 AMPS				4.7		3.5		5.6		
MAXIMUM CONNECTED LOAD: 13.8 KVA / 39.2 AMPS										

PANEL N23D3		SIZE		VOLTS/PHASE			MAIN	LOCATION		MOUNT
		225 AMPS (10 KMC)		208Y/120V 3 PH			MLO	ELECT ROOM 3482		SURFACE
C _K T NO	DESCRIPTION	BREAKER AMP/ POLE	CKT	AØ	BØ	CØ	CKT	BREAKER AMP/ POLE	DESCRIPTION	C _K T NO
1	PATIENT ROOM 3325 HEADWALL	20/1	0.4	0.8			0.4	20/1	PATIENT ROOM 3332 HEADWALL	2
3	PATIENT ROOM 3325 HEADWALL	20/1	0.5		1.0		0.5	20/1	PATIENT ROOM 3332 HEADWALL	4
5	PATIENT ROOM 3325 ROOM	20/1	0.9			2.7	1.8	20/1	PATIENT ROOM 3332/33 ROOM	6
7	PATIENT ROOM 3324 HEADWALL	20/1	0.4	0.8			0.4	20/1	PATIENT ROOM 3333 HEADWALL	8
9	PATIENT ROOM 3324 HEADWALL	20/1	0.5		1.0		0.5	20/1	PATIENT ROOM 3333 HEADWALL	10
11	PATIENT ROOM 3323/24 ROOM	20/1	1.8			2.2	0.4	20/1	PATIENT ROOM 3334 HEADWALL	12
13	PATIENT ROOM 3323 HEADWALL	20/1	0.4	0.9			0.5	20/1	PATIENT ROOM 3334 HEADWALL	14
15	PATIENT ROOM 3323 HEADWALL	20/1	0.5		2.3		1.8	20/1	PATIENT ROOM 3334/35 ROOM	16
17	CORRIDOR 3300K FOODCART	20/1	0.2			0.6	0.4	20/1	PATIENT ROOM 3335 HEADWALL	18
19	PUBLIC TOILET 3377	20/1	0.2	0.7			0.5	20/1	PATIENT ROOM 3335 HEADWALL	20
21	STORAGE 3376, 3379	20/1	1.4		1.8		0.4	20/1	BARIATRIC PATIENT ROOM 3336 HEADWALL	22
23	CORRIDOR 3300K ICE	20/1	1.5			2.0	0.5	20/1	BARIATRIC PATIENT ROOM 3336 HEADWALL	24
25	CORRIDOR 3300K MICROWAVE	20/1	1.5	3.3			1.8	20/1	BARIATRIC PATIENT ROOM 3336/37 ROOM	26
27	CORRIDOR 3300K COFFEE MAKER	20/1	1.5		1.9		0.4	20/1	BARIATRIC PATIENT ROOM 3337 HEADWALL	28
29			0.0			0.5	0.5	20/1	BARIATRIC PATIENT ROOM 3337 HEADWALL	30
31	OFFICE 3382	20/1	1.3	1.3			0.0			32
33	STORAGE ROOM 3383 REF	20/1	1.1		1.5		0.4	20/1	CONFERENCE ROOM 3380	34
35	STORAGE ROOM 3383	20/1	1.5			1.9	0.4	20/1	CONFERENCE ROOM 3380	36
37	STORAGE ROOM 3383	20/1	0.9	1.3			0.4	20/1	CONFERENCE ROOM 3380	38
39	STORAGE ROOM 3383	20/1	0.7		2.0		1.3	20/1	CONFERENCE ROOM 3380	40
41	CORRIDOR 3300K/M	20/1	0.9			1.8	0.9	20/1	CONFERENCE ROOM 3380	42
BALANCED CONNECTED LOAD: 32.3 KVA / 89.7 AMPS				9.1		11.5		11.7		
MAXIMUM CONNECTED LOAD: 32.3 KVA / 75.8 AMPS										

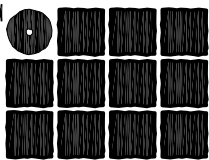
TOTAL N23D:

BALANCED CONNECTED LOAD: 79.8 KVA / 222 AMPS	28.9	22.4	30.5	BALANCED DEMAND LOAD = 26.0 KVA / 72 AMPS
MAXIMUM CONNECTED LOAD: 79.8 KVA / 254 AMPS	MAXIMUM DEMAND LOAD = 36.6 KVA / 102 AMPS			



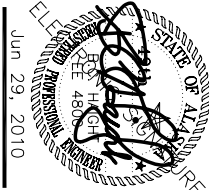
FLAG NOTES

1 UTILIZE FIXTURES SALVAGED FROM DEMOLISHED AREAS OR NEW TYPE FC-48" (TYPICAL-THIS AREA). NOTE THAT SALVAGE FIXTURES MAY BE 120V AND NEW CIRCUITS ARE 277V.



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Jun 29, 2010



**City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska**

REVISIONS

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SHEET TITLE
FLOOR PLAN
LEVEL 2
LIGHTING

DATE: July 1, 2010
FILE: 0859

KEY PLAN: LEVEL 2

E301

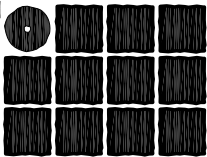


FLAG NOTES

COORDINATE WORK IN THIS SPACE IN STAGES. SEE SPECIFICATION SECTION 01000 SUMMARY, ARTICLE 1.11 WORK RESTRICTIONS.

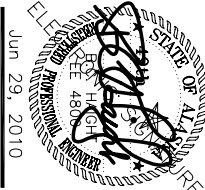
NOTES

1. ALL EXISTING CEILING LUMINAIRES IN SHORT STAY AREA TO BE REINSTALLED REFER TO SHEET E1202.



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City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska

REVISIONS

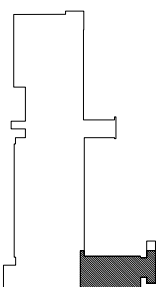
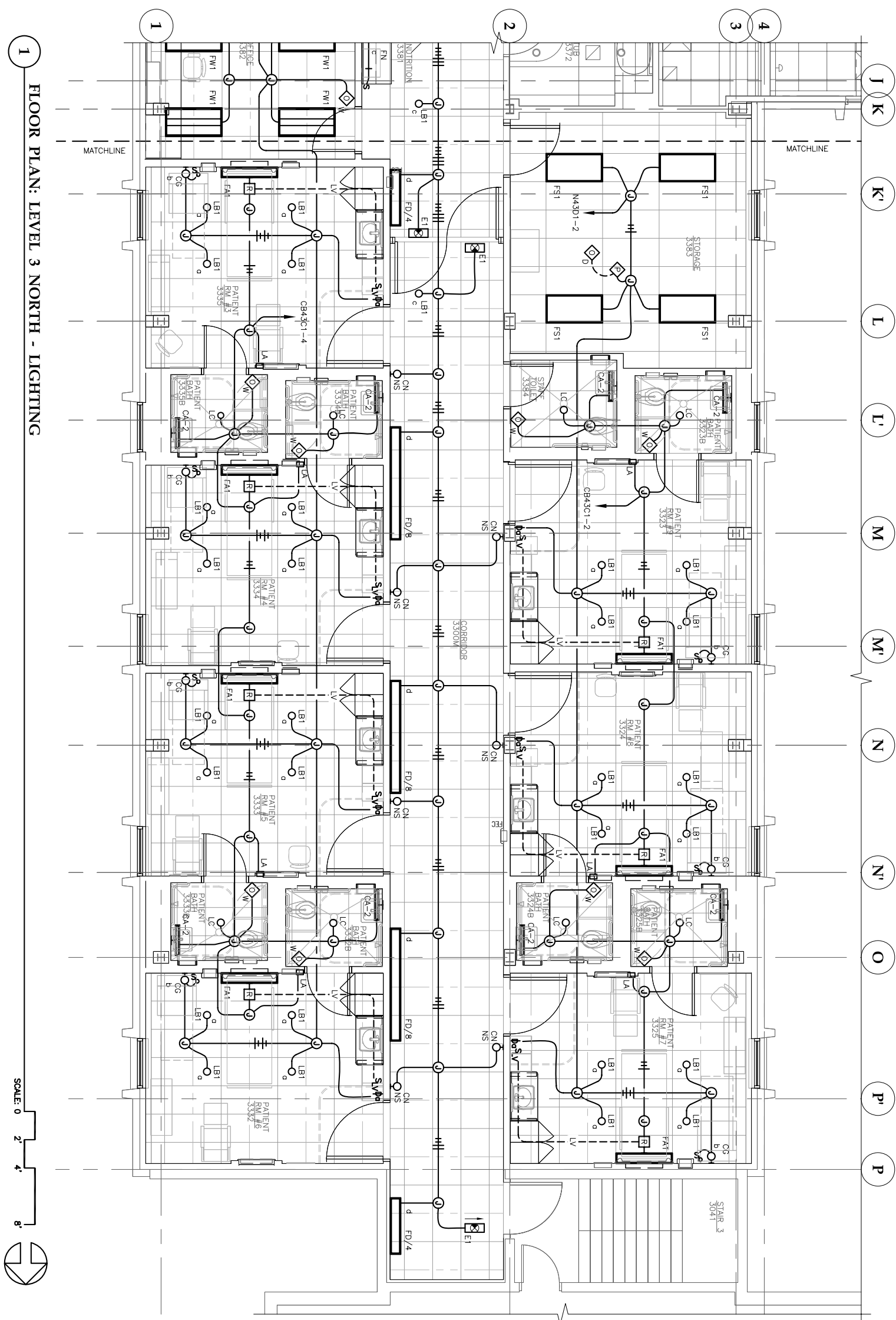
NO.	REVISIONS
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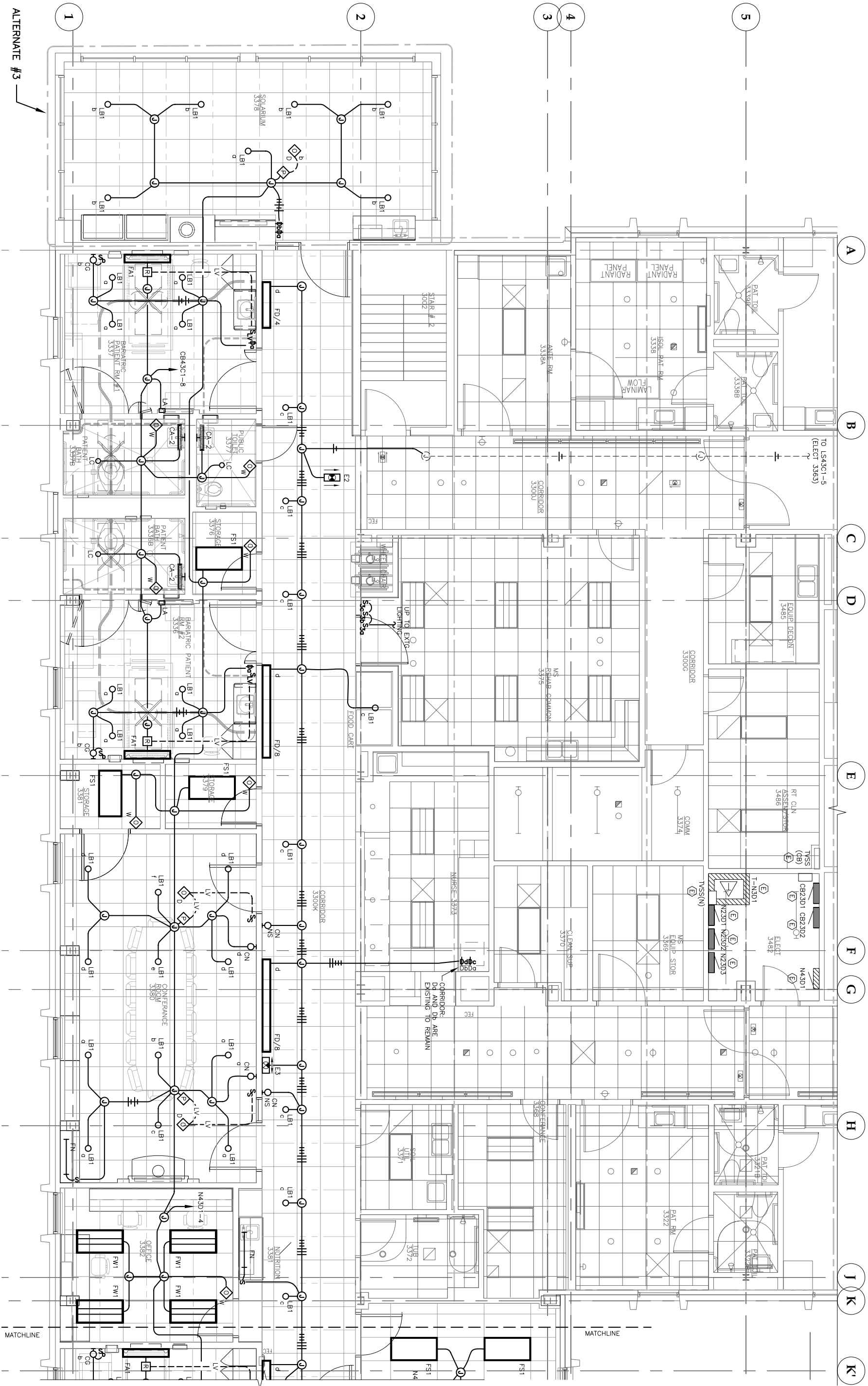
SHEET TITLE
FLOOR PLAN
LEVEL 2
LIGHTING

DATE: July 1, 2010
FILE: 0859

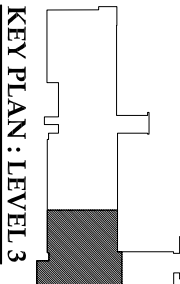
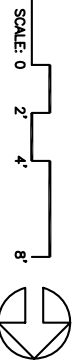
KEY PLAN: LEVEL 2

F302





1 FLOOR PLAN: LEVEL 3 SOUTH - LIGHTING



KEY PLAN : LEVEL 3

REVISIONS

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SHEET TITLE
FLOOR PLAN
LEVEL 3
LIGHTING

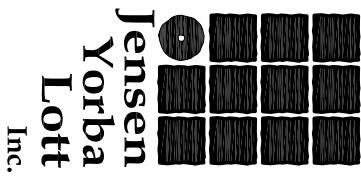
DATE: July 1, 2010
FILE: 0859

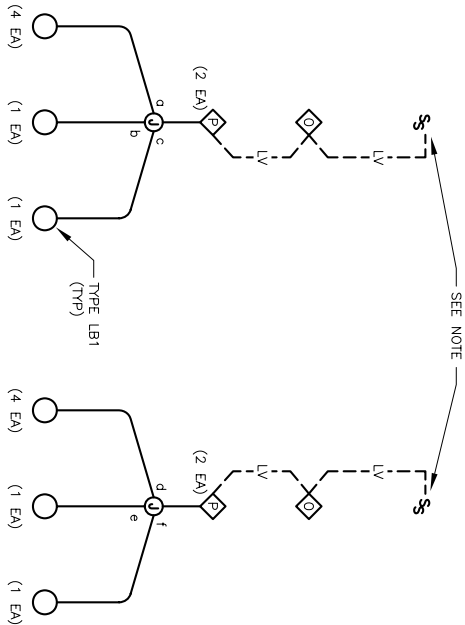
E304

City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska



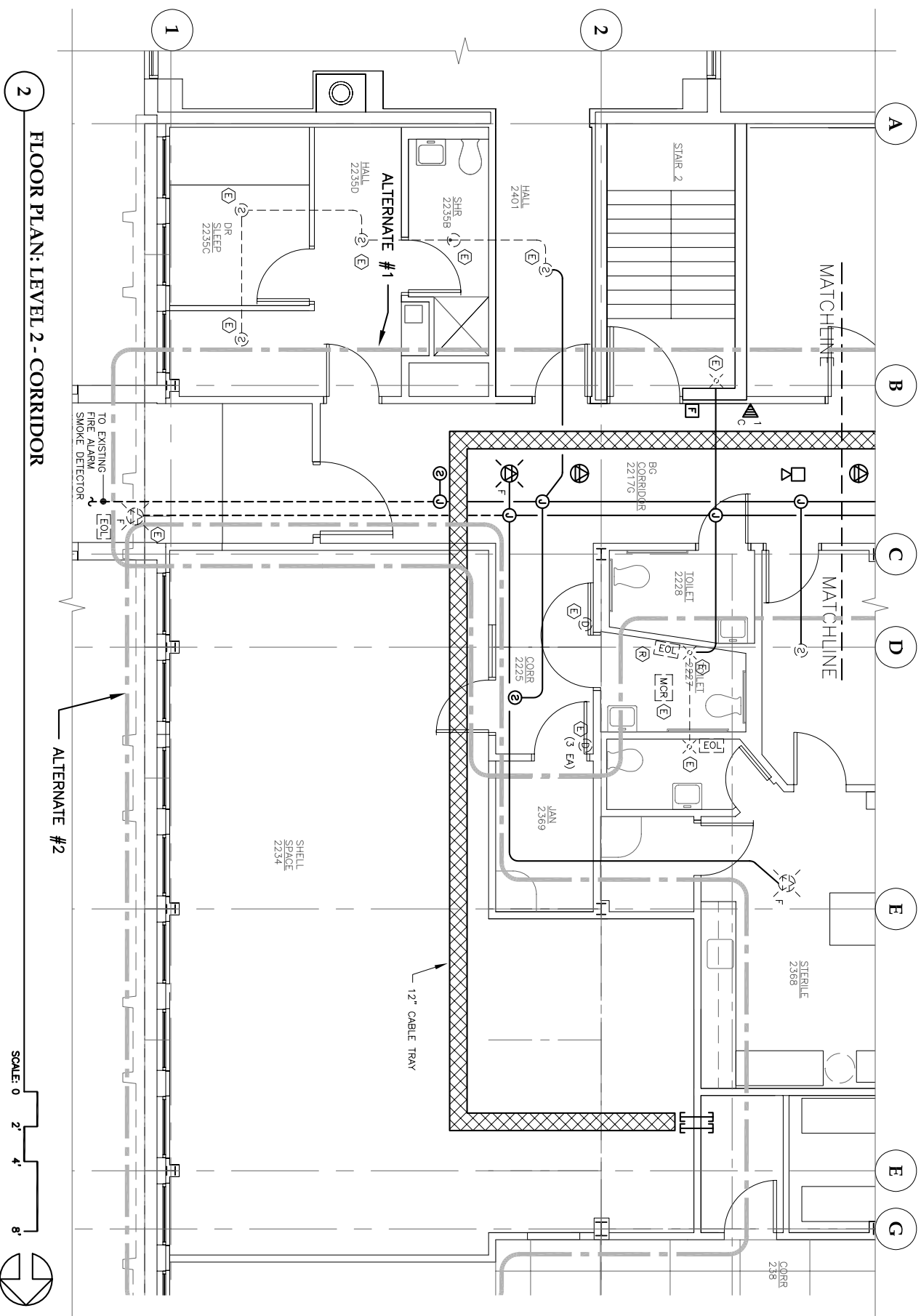
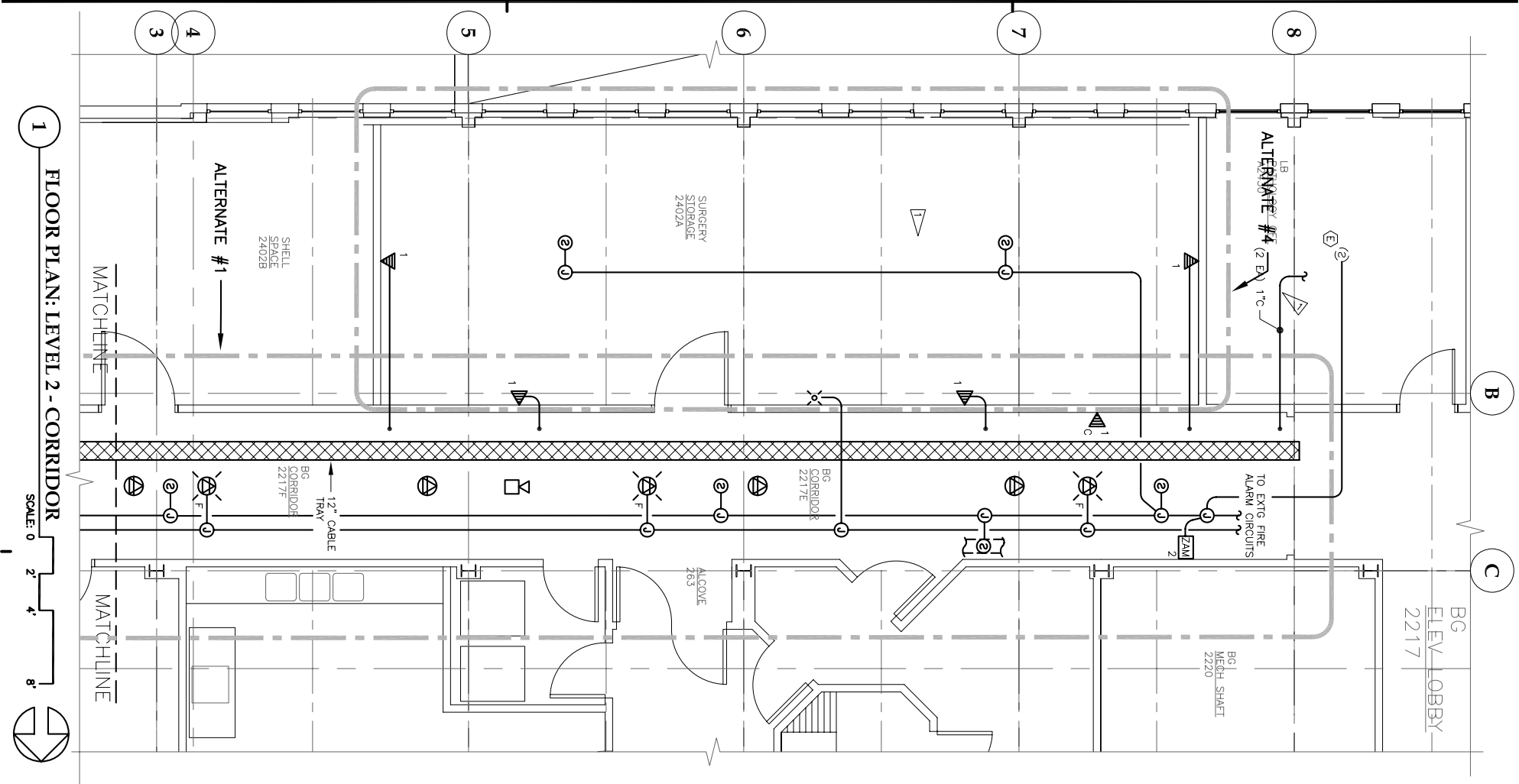
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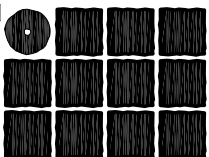
1 SCHEMATIC DIAGRAM - CONFERENCE ROOM LIGHTING CONTROLS

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
CA-2	31.5" WALL MOUNTED LINEAR FLUORESCENT VANITY LIGHT, CLEAR BENT SAUN GLASS DIFFUSER, BURNISHED NICKEL FINISH WITH POLISHED CHROME ACCENTS, 277V	VIBA 8032-01	(1) 17W T8 3500K, CRI 82	MOUNTED HORIZONTAL ABOVE MIRROR.
CG	DECORATIVE WALL SCONCE, FULLY ENCLOSED OPAL ACRYLIC (ETCHED) LENS, 277V	WINNOA 4623-F-277-0A-BSS-STD	(2) 13W QUAD 3500K, CRI 82	
CN	DECORATIVE COMPACT FLUORESCENT WALL SCONCE, METAL ART OF SPRUCE TREES WITH A ROUNDED MICA UNDER A STEEL FRAME, ADA COMPLIANT, 277V	AVANCE 4623-F-277-0A-BSS-STD	(1) 13W CF 3500K, CRI 82	MOUNT @ 6'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
EXIT E1	EMERGENCY LED EXIT SIGN - SINGLE SIDED, CEILING MOUNTED, INJECTION MOLDED HIGH-IMPACT ACRYLIC PANEL, GREEN LEDS, 120/277V	SURE-LITES ES-61-WH-G-XX-C	GREEN LED	ARROW DIRECTION SHOWN ON PLANS.
EXIT E2	EMERGENCY LED EXIT SIGN - DOUBLE SIDED, CEILING MOUNTED, INJECTION MOLDED HIGH-IMPACT ACRYLIC PANEL, GREEN LEDS, 120/277V	SURE-LITES ES-62-WH-G-XX-C	GREEN LED	ARROW DIRECTION SHOWN ON PLANS.
EXIT E3	EMERGENCY LED EXIT SIGN - SINGLE SIDED, WALL MOUNTED, INJECTION MOLDED HIGH-IMPACT ACRYLIC PANEL, GREEN LEDS, 120/277V	SURE-LITES ES-61-WH-G-XX-C	GREEN LED	ARROW DIRECTION SHOWN ON PLANS.
FA1	47Wx4'L RECESSED COMPACT FLUORESCENT WALLWASH, STEEL HOUSING, ALUMINUM REFLECTOR THAT PROVIDES LAMP SHIELDING, ELECTRONIC BALLAST, 277V	ENGINEERED LIGHTING PRODUCTS 240 BXDW-T8-277HPF	(2) 40W BAX 3500K, CRI 82	
FD/4	4" WALL MOUNTED INDIRECT/DIRECT LINEAR FLUORESCENT, STEEL HOUSING, WHITE CROSS BATTLE WITH ACRYLIC LENS OVERLAY, ELECTRONIC DIMMING BALLAST, 277V, MATTE WHITE FINISH, DUST COVER	ALERA LIGHTING CXL-27B-50/50-WM-OLAY-ED-277-WM-4-SCE-DC ADVANCE - VE2-2532-5C	(2) 32W T8 3500K, CRI 82	MOUNT @ 7'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
FD/8	8" WALL MOUNTED INDIRECT/DIRECT LINEAR FLUORESCENT, STEEL HOUSING, WHITE CROSS BATTLE WITH ACRYLIC LENS OVERLAY, ELECTRONIC DIMMING BALLAST, 277V, MATTE WHITE FINISH, DUST COVER	ALERA LIGHTING CXL-27B-50/50-WM-OLAY-ED-277-WM-8-SCE-DC ADVANCE - VE2-2532-5C	(2) 32W T8 3500K, CRI 82	MOUNT @ 7'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
FN	3" LINEAR FLUORESCENT UNDERCABINET LIGHT, STEEL HOUSING, PRISMATIC ACRYLIC DIFFUSER, ELECTRONIC PROGRAM RAPID START BALLAST, 120/277V	FAIR-SAFE MAS-25-UNV-IK12-ER81	(1) 25W T8 3500K, CRI 82	
FS1	2x4 RECESSED LINEAR FLUORESCENT LENSED TROFFER, STEEL HOUSING, ACRYLIC LENS, ELECTRONIC PROGRAM RAPID START BALLAST, 120/277V	NEITALIX 20C8-232A15-UNV-18835-A3/8-3/18C-ER82-U	(2) 32W T8 3500K, CRI 82	
FW1	2x4 RECESSED LINEAR FLUORESCENT INDIRECT, STEEL HOUSING, ONE-PIECE STEEL REFLECTOR, PERFORATED SHIELD, ELECTRONIC PROGRAM START BALLAST, 120/277, FLEX WHIP, SEPARATE CIRCUIT, WHITE FINISH	FOCAL POINT FLU-24-B-2785-UNV-G-PS-FW-L835-SC-WH	(2) 32W T8 3500K, CRI 82	
LA	RECESSED WALL MOUNTED LED NIGHTLIGHT, DIE-CAST ALUMINUM HOUSING AND FACE PLATE, INTEGRAL 277V RATED DRIVER, WHITE FINISH	FC LIGHTING FCSL101-277V-LED3W-WH	(3) 1W LED 3000K, WARM WHITE	MOUNT @ 15" AFF TO TOP OF LUMINAIRE, UON.
LB1	67DIA RECESSED LED DOWNLIGHT, CLEAR DIFFUSED REFLECTOR FINISH, OPTICAL MIXING CHAMBER, PHOSPHER LENS, ELECTRONIC DRIVER, 277V, DIMMABLE	LIGHTTOLIER C6L1520DL35KWCDWM C6L15-277V	27W LED 3500K WARM WHITE	CORRIDORS AND SOLARIUM PROVIDE LIGHTTOLIER MOMENTUM DIMMING CONTROLS # MP5250E.
LB2	67DIA RECESSED LED DOWNLIGHT, CLEAR DIFFUSED REFLECTOR FINISH, OPTICAL MIXING CHAMBER, PHOSPHER LENS, ELECTRONIC DRIVER, 277V	LIGHTTOLIER C6L1520DL35KWCDWM C6L15-277V	27W LED 3500K WARM WHITE	
LC	47DIA RECESSED LED DOWNLIGHT, CLEAR DIFFUSED REFLECTOR FINISH, OPTICAL MIXING CHAMBER, PHOSPHER LENS, ELECTRONIC DRIVER, 277V, WET LOCATION RATED	LIGHTTOLIER C4L100L35KWCDWM C4L10-277V	20W LED 3500K WARM WHITE	
SS	LIGHTING CONTROL STATION - NO. OF BUTTONS AND CONTROL PER SCHEMATIC DIAGRAM, WHITE FINISH	LIGHTTOLIER CONTROLS LSWBBDWM	--	
W	OCCUPANCY SENSOR - MULTI-TECH WALL SWITCH, WHITE FINISH	LIGHTTOLIER CONTROLS INTELLISIGHT - ITS2U	--	
D	OCCUPANCY SENSOR - LOW VOLTAGE, MULTI-TECH, CEILING MOUNTED, WHITE FINISH	LIGHTTOLIER CONTROLS INTELLISIGHT - ITSCS	--	
P	OCCUPANCY SENSOR - POWER PACK, DUAL CHANNEL, DIMMING (0-10V BALLAST CONTROL)	LIGHTTOLIER CONTROLS INTELLISIGHT - ITSRPFAM2U	--	



FLAG NOTES

1. CIRCUIT DATA TERMINALS TO THE MDF ROOM. UTILIZE EXISTING RACEWAYS FROM THE ADJACENT ROOM A2430.



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**City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska**

REVISIONS

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SHEET TITLE
FLOOR PLAN
LEVEL 2
LOW VOLTAGE

DATE: July 1, 2010
FILE: 0859

FILE: 0859

KEY PLAN: LEVEL 2

KEY PLAN: LEVEL 2

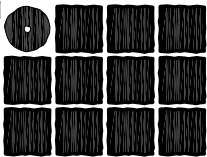
E401

FLAG NOTES

COORDINATE WORK IN THIS SPACE IN STAGES. SEE SPECIFICATION SECTION 01000 SUMMARY, ARTICLE 1.11 WORK RESTRICTIONS.

NOTES

1. ALL EXISTING CEILING DEVICES IN SHORT STAY AREA TO BE REINSTALLED.
REFER TO SHEET E1201.



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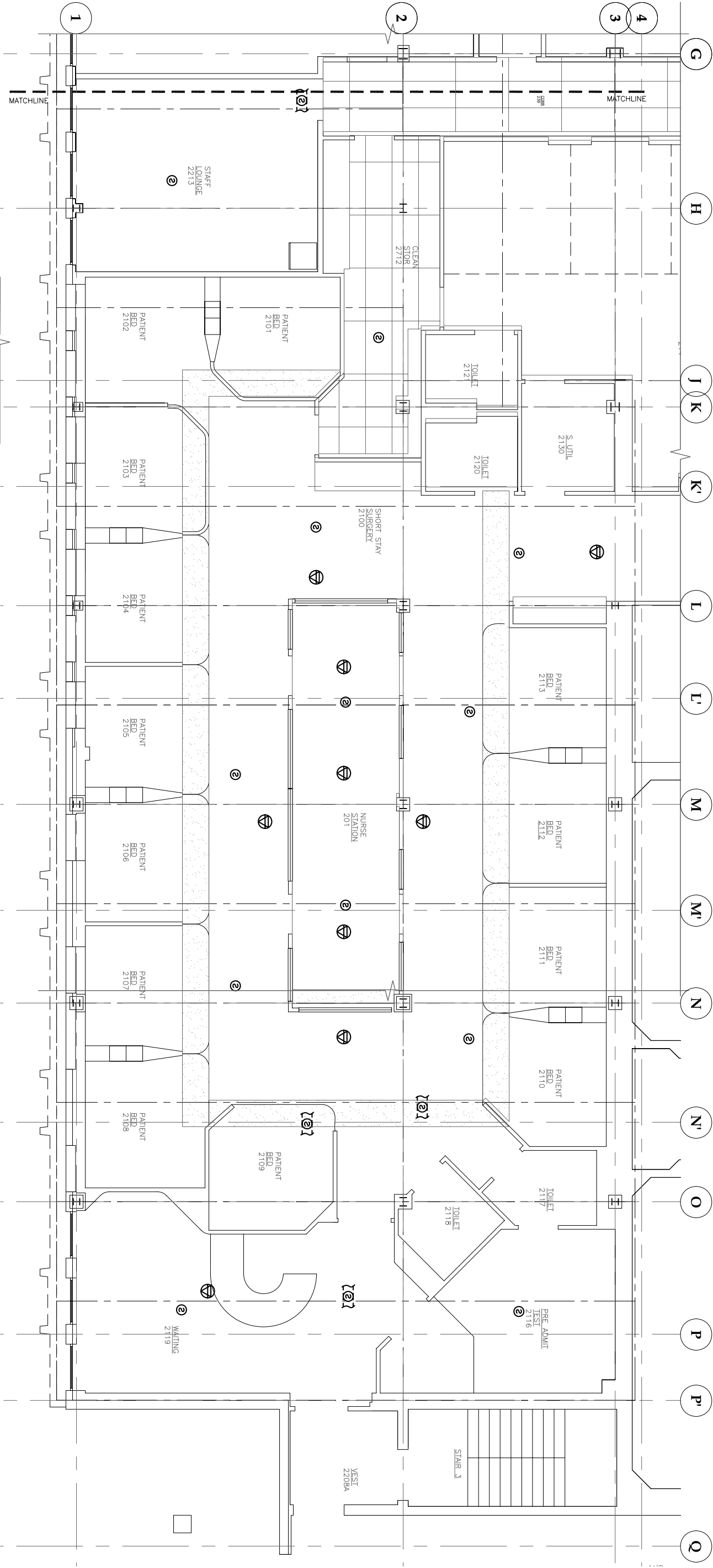
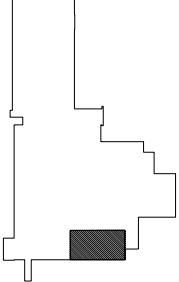
City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska

REVISIONS

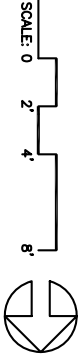
SHEET TITLE
FLOOR PLAN
LEVEL 2
LOW VOLTAGE

DATE: July 1, 2010
FILE: 0859

KEY PLAN : LEVEL 2

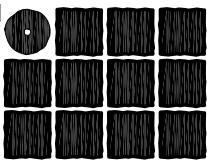


FLOOR PLAN: LEVEL 2 - CORRIDOR - SHORT STAY



FLAG NOTES

REFER TO E206 FOR PATIENT ROOM CIRCUITING.



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Jun 29, 2010

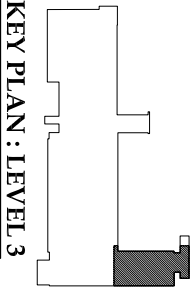


City & Borough of Juneau
Bartlett Regional Hospital
Medical / Surgical East Wing Renovation
CBJ Contract No. E10-221
Juneau, Alaska

REVISIONS

SHEET TITLE
FLOOR PLAN
LEVEL 3
LOW VOLTAGE

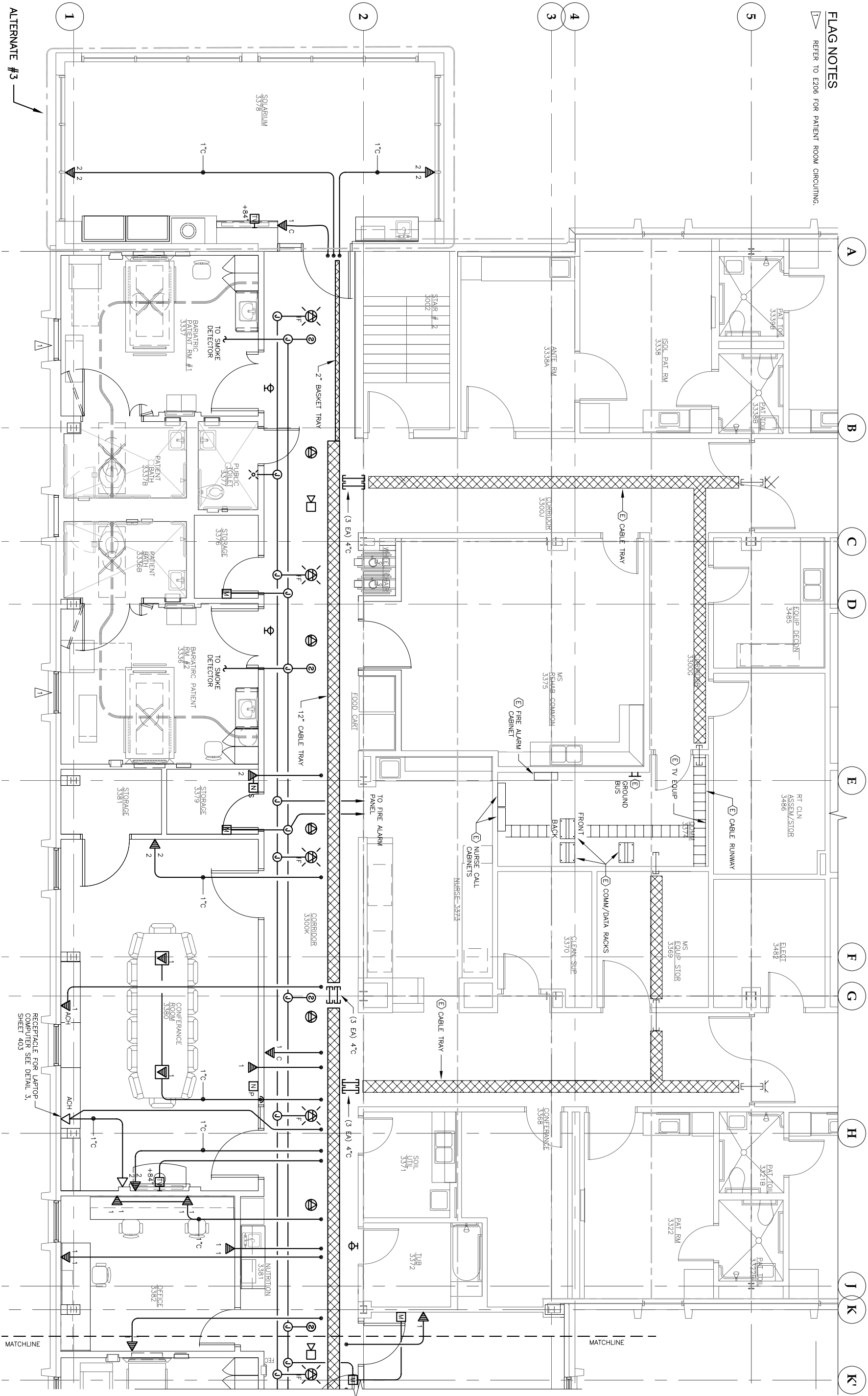
DATE: July 1, 2010
FILE: 0859



KEY PLAN: LEVEL 3

E403

FLAG NOTES
REFER TO E206 FOR PATIENT ROOM CIRCUITING.



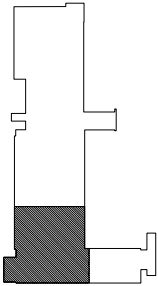
FLOOR PLAN: LEVEL 3 SOUTH - LOW VOLTAGE

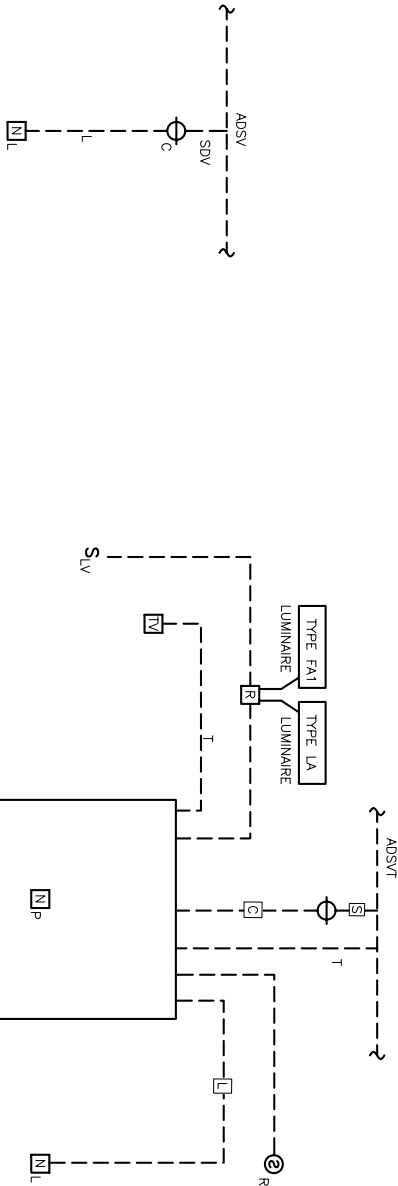
1

SCALE: 0 2 4 8



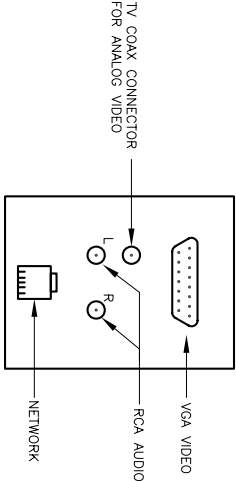
KEY PLAN: LEVEL 3



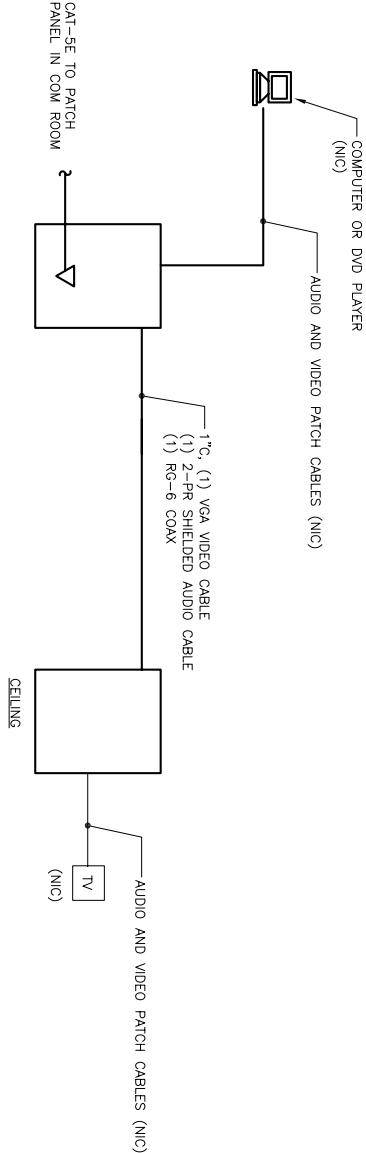


2 LAVATORY CALL STATION

1 PATIENT ROOM (TYPICAL)



3 DETAIL-PROJECTOR MULTIMEDIA OUTLET



4 SCHEMATIC DIAGRAM-TYPICAL MULTIMEDIA WIRING CONFIGURATION