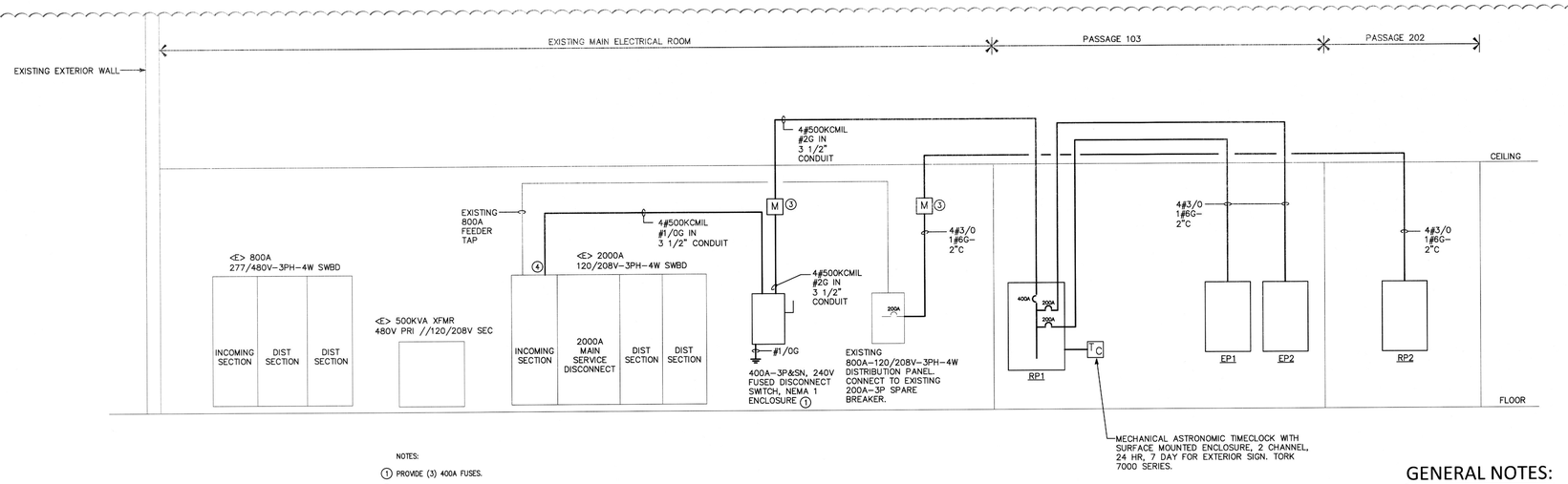
ISSUED FOR CONSTRUCTION 9/24/13



NOTES:

1. PROVIDE (3) 400A FUSES.
2. NOT USED.
3. PROVIDE E-MON D-MON METER WITH KW/KWH METERING CAPABILITIES.
4. TAP EXISTING BUS IN EXISTING SWITCHBOARD.

POWER RISER DIAGRAM

NO SCALE

NOTE: EXISTING WORK IS SHOWN LIGHT, NEW IS SHOWN DARK (BOLD) AND FUTURE WORK IS SHOWN LIGHT AND DASHED.

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING POWER COMPANY AND INITIATING SERVICE UPGRADE, COORDINATING LOCATION AND ROUTING OF SERVICE CONDUITS AND ELECTRICAL GEAR FOR TENANT. INSTALLATION SHALL MEET POWER COMPANY REQUIREMENTS. MAINTAIN ALL REQUIRED CLEARANCES.

LOAD CALCULATION

	CONNECTED KVA	DEMAND FACTOR	COMPUTED KVA
LIGHTING	9.9	125%	12.4
SIGN CIRCUIT	1.2	125%	1.5
RECEPTACLES	46.1		
FIRST 10KVA	10.0	100%	10.0
REMAINING KVA	36.1	50%	18.1
ROOF TOP UNITS (A/C)	9.7	100%	9.7
WATER HEATERS	9.0	100%	9.0
ELECTRIC HEATING	21.0	100%	21.0
MISCELLANEOUS LOAD	19.49	100%	19.4
TOTAL KVA	107.3 KVA		101.1 KVA
TOTAL AMPS	298 AMPS		280 AMPS

MAIN SERVICE VOLTAGE 208/ 120 Volts 3 Phase 4 Wire
TENANT SERVICE SIZE 400 Amp

PANEL EP1

208 / 120 VOLTS 3 PHASE 4 WIRE
225 AMP MAIN LUGS ONLY
MINIMUM A.I.C. = 42,000

FLUSH MOUNTED ENCLOSURE
PANELBOARD MUST FIT IN A 6" WALL

PROVIDE FULL SIZE FEED THRU LUGS

CKT No.	DESCRIPTION	KVA	C/B POLE	C/B AMP	CKT No.	A	B	C	CKT No.	C/B POLE	C/B AMP	KVA	DESCRIPTION	CKT No.
1	CLEAN SUPPLIES, PASS. LIGHTS	0.8	1	20	1				2	1	20	0.8	POWER ASSISTED DOOR	2
3	PATIENT RECOVERY, NURSE LTS	0.9	1	20	3				4	1	20	0.8	PROCEDURE RM TWO RECEPTS	4
5	PROCEDURE RM ONE LIGHTS	1.4	1	20	5				6	1	20	0.9	PROCEDURE RM TWO RECEPTS	6
7	PROCEDURE RM ONE LIGHTS	1.2	1	20	7				8	1	20	0.2	PROCEDURE RM TWO RECEPTS	8
9	PROCEDURE RM TWO LIGHTS	1.4	1	20	9				10	1	20	0.7	PROCEDURE RM TWO RECEPTS	10
11	PROCEDURE RM TWO LIGHTS	1.2	1	20	11				12	1	20		SPARE	12
13	PROCEDURE RM ONE RECEPTS	0.7	1	20	13				14	1	20	0.4	FACP	14 LC/RM
15	PROCEDURE RM ONE RECEPTS	0.9	1	20	15				16	1	20	0.4	NURSE CALL SYSTEM	16
17	PROCEDURE RM ONE RECEPTS	0.2	1	20	17				18	1	20	0.8	COMP/TELE RECEPTS	18
19	PROCEDURE RM ONE RECEPTS	0.8	1	20	19				20	1	20	0.8	COMP/TELE RECEPTS	20
21	CLEAN & SOILED WORK RECEPTS	0.9	1	20	21				22	1	20	0.3	EXHAUST FAN F-3	22
23	AUTOCLAVE	2.2	2	20	23				24	1	20		SPARE	24
25					25				26	1	20	1.1	PREP/HOLDING RECEPTS	26
27	CRASH CART	1.0	1	20	27				28	1	20	1.1	PATIENT RECOVERY RECEPTS	28
29	BLANKET WARMER	1.0	1	20	29				30	1	20	1.1	PATIENT RECOVERY RECEPTS	30
31	NURSE WORK RECEPTS	0.9	1	20	31				32	1	20	0.5	EXHAUST FAN F-1	32
33	NURSE WORK RECEPTS	0.7	1	20	33				34	1	20	0.5	EXHAUST FAN F-2	34
35	NURSE WORK U.C. REFRIG	0.6	1	20	35				36	1	20	1.2	CEILING MTD TV'S	36
37	SPARE		1	20	37				38					38
39	MOTOR OPERATED DAMPERS	0.4	1	20	39				40	3	40	9.0	WATER HEATER WH-1	40
41	RECIRC PUMP-1	0.4	1	20	41				42					42
		17.6	KVA									19.8	KVA	

CONNECTED LOADS			
PANEL EP1 KVA / AMPS	37.4	/	104
SUB PANEL TOTAL KVA / AMPS	0	/	0
TOTAL KVA / AMPS	37.4	/	104

NOTES:
LC = PROVIDE LOCK CLIP ON BREAKER
RM = PROVIDE RED MARKING ON BREAKER

PANEL EP2

208 / 120 VOLTS 3 PHASE 4 WIRE
225 AMP MAIN LUGS ONLY
MINIMUM A.I.C. = 42,000

FLUSH MOUNTED ENCLOSURE
PANELBOARD MUST FIT IN A 6" WALL

CKT No.	DESCRIPTION	KVA	C/B POLE	C/B AMP	CKT No.	A	B	C	CKT No.	C/B POLE	C/B AMP	KVA	DESCRIPTION	CKT No.
1					1				2					2
3	RTU-1	9.7	3	50	3				4	3	30		SPARE	4
5					5				6					6
7	SPARE		1	20	7				8	1	20	0.9	RECEPT PATIENT RECOVERY	8
9	SPARE		1	20	9				10	1	20	0.7	RECEPT PHYSICIAN	10
11	SPARE		1	20	11				12	1	20	0.9	RECEPT PHYSICIAN	12
13					13				14	1	20	0.5	RECEPT PROCEDURE PASSAGE	14
15	H-1	6.6	3	30	15				16	1	20	–	SPARE	16
17					17				18	1	20	–	SPARE	18
19					19				20	2	30	5.0	LASER SYSTEM	20
21	H-2	6.6	3	30	21				22					22
23					23				24	2	30	5.0	LASER SYSTEM	24
25	SPARE	–	1	20	25				26					26
27	PREP HOLDING UC REFRIG	0.6	1	20	27				28	1	20	–	SPARE	28
29	SPARE		1	20	29				30	1	20	–	SPARE	30
31	SPARE		1	20	31				32	1	20	–	SPARE	32
33	SPARE		1	20	33				34	–	–	–	SPACE	34
35	SPARE	–	1	20	35				36	–	–	–	SPACE	36
37	SPARE	–	1	20	37				38	–	–	–	SPACE	38
39	SPARE	–	1	20	39				40	–	–	–	SPACE	40
41	SPARE	–	1	20	41				42	–	–	–	SPACE	42
		23.5	KVA									13.0	KVA	

CONNECTED LOADS			
PANEL EP2 KVA / AMPS	36.5	/	101
SUB PANEL TOTAL KVA / AMPS	0.0	/	0
TOTAL KVA / AMPS	36.5	/	101

NOTES:

PANEL RP1

208 / 120 VOLTS 3 PHASE 4 WIRE
400 AMP MAIN LUGS ONLY
MINIMUM A.I.C. = 42,000

FLUSH MOUNTED ENCLOSURE
PANELBOARD MUST FIT IN A 6" WALL

CKT No.	DESCRIPTION	KVA	C/B POLE	C/B AMP	CKT No.	A	B	C	CKT No.	C/B POLE	C/B AMP	KVA	DESCRIPTION	CKT No.
1	PASSAGE, RECEPTION, WAITING LTS	1.0	1	20	1				2	1	20	0.9	WAITING, RECEPTS	2
3	LOCKER LIGHTS	0.2	1	20	3				4	1	20	0.7	RECEPTION RECEPTS	4
5	EXTERIOR SIGN	1.2	1	20	5				6	1	20	0.7	RECEPTION RECEPTS	6
7	RTU MAINT. RECEPTS	0.7	1	20	7				8	1	20	1.0	COPIER	8
9	SITE MAN., RECEPTS	0.9	1	20	9				10	1	20	0.5	DOORBELL SYSTEM	10
11	NURSE CONSULT RECEPTS	0.7	1	20	11				12	1	20	1.0	LOUNGE REFRIGERATOR	12
13	ELECTRONIC DAMPERS	0.4	1	20	13				14	1	20	1.0	MICROWAVE	14
15	SPARE		1	20	15				16	1	20	–	SPARE	16
17	STAFF LOCKER RECEPTS	0.9	1	20	17				18	1	20	1.0	DISHWASHER	18
19	EWH-1	2.0	2	20	19				20	1	20	0.4	LOUNGE/CONF RM RECEPTS	20
21					21				22	1	20	0.7	LOUNGE/CONF RM RECEPTS	22
23	EDH-1	1.0	1	20	23				24	1	20	–	SPARE	24
25	EDH-2	3.0	1	50	25				26	1	20	–	SPARE	26
27	EDH-3	2.0	1	30	27				28	1	20	–	SPARE	28
29	EDH-4	2.0	1	30	29				30	1	20	–	SPARE	30
31	EDH-5	2.5	1	40	31				32					32
33	EDH-6	1.0	1	20	33				34	3	200	37.4	PANEL EP1	34
35	EDH-7	1.5	1	20	35				36					36
37	EDH-8	3.0	1	50	37				38					38
39	HUH-9	3.0	1	50	39				40	3	200	36.5	PANEL EP2	40
41	SPARE		1	20	41				42					42
		27.0	KVA									81.8	KVA	

CONNECTED LOADS			
PANEL RP1 KVA / AMPS	108.8	/	302
SUB PANEL TOTAL KVA / AMPS	0.0	/	0
TOTAL KVA / AMPS	108.8	/	302

NOTES:

PANEL RP2

208 / 120 VOLTS 3 PHASE 4 WIRE
100 AMP MAIN LUGS ONLY
MINIMUM A.I.C. = 22,000

FLUSH MOUNTED ENCLOSURE

CKT No.	DESCRIPTION	KVA	C/B POLE	C/B AMP	CKT No.	A	B	C	CKT No.	C/B POLE	C/B AMP	KVA	DESCRIPTION	CKT No.
1	LIGHTING	0.6	1	20	1				2	1	20	0.7	REC: WAITING 201	2
3	POWER ASSISTED DOOR	0.8	1	20	3				4	1	20	0.9	REC: NURSE 203	4
5	SPARE	–	1	20	5				6	1	20	0.7	REC: OFFICE 208	6
7	SPARE	–	1	20	7				8	1	20	0.5	REC: EXAM TWO 206	8
9	SPARE	–	1	20	9				10	1	20	0.5	REC: EXAM ONE 204	10
11	SPARE	–	1	20	11				12	1	20	–	SPARE	12
13	SPARE	–	1	20	13				14	1	20	–	SPARE	14
15	SPARE	–	1	20	15				16	1	20	–	SPARE	16
17	SPARE	–	1	20	17				18	1	20	–	SPARE	18
19	SPARE	–	1	20	19				20	1	20	–	SPARE	20
21	SPARE	–	1	20	21				22	1	20	–	SPARE	22
23	SPARE	–	1	20	23				24	1	20	–	SPARE	24
25	SPARE	–	1	20	25				26	1	20	–	SPARE	26
27	SPARE	–	1	20	27				28	1	20	–	SPARE	28
29	SPARE	–	1	20	29				30	1	20	–	SPARE	30
		1.4	KVA									3.3	KVA	

CONNECTED LOADS			
PANEL RP2 KVA / AMPS	4.7	/	0
SUB PANEL TOTAL KVA / AMPS	0.0	/	0
TOTAL KVA / AMPS	4.7	/	13

NOTES:

ISSUED FOR BUILDING PERMIT

SDI Design, LLC.
Mechanical • Electrical
21714 Owig Road
Freeland, Maryland 21053
Phone 410-357-4374
Fax 410-357-4374

TENANT RENOVATIONS FOR:
Access Center
1733 Eastchester Road
Bronx, NY 10461

Lifeline Vascular Access

InSync ARCHITECTURAL DESIGNS, INC.
1213 Old Pylesville Road Whiteford, MD 21160
Office 410-452-8006 Fax 410-452-8046

0" 1" 2" 3"
1/8"=1'-0" 8 16' 24'
1/4"=1'-0" 4' 8' 12'

POWER RISER DIAGRAM & SCHEDULES

REVISIONS		
REV#	DATE	DESCRIPTION
1	7/16/13	OWNER'S REVISION

DRAWING NO. E-103.00
SHEET OF
DATE 4/19/13 DRAWN BY DJC
JOB NUMBER 11206 CHECKED BY SMM
SDI# 2013-01H