

GENERAL DEMOLITION NOTES

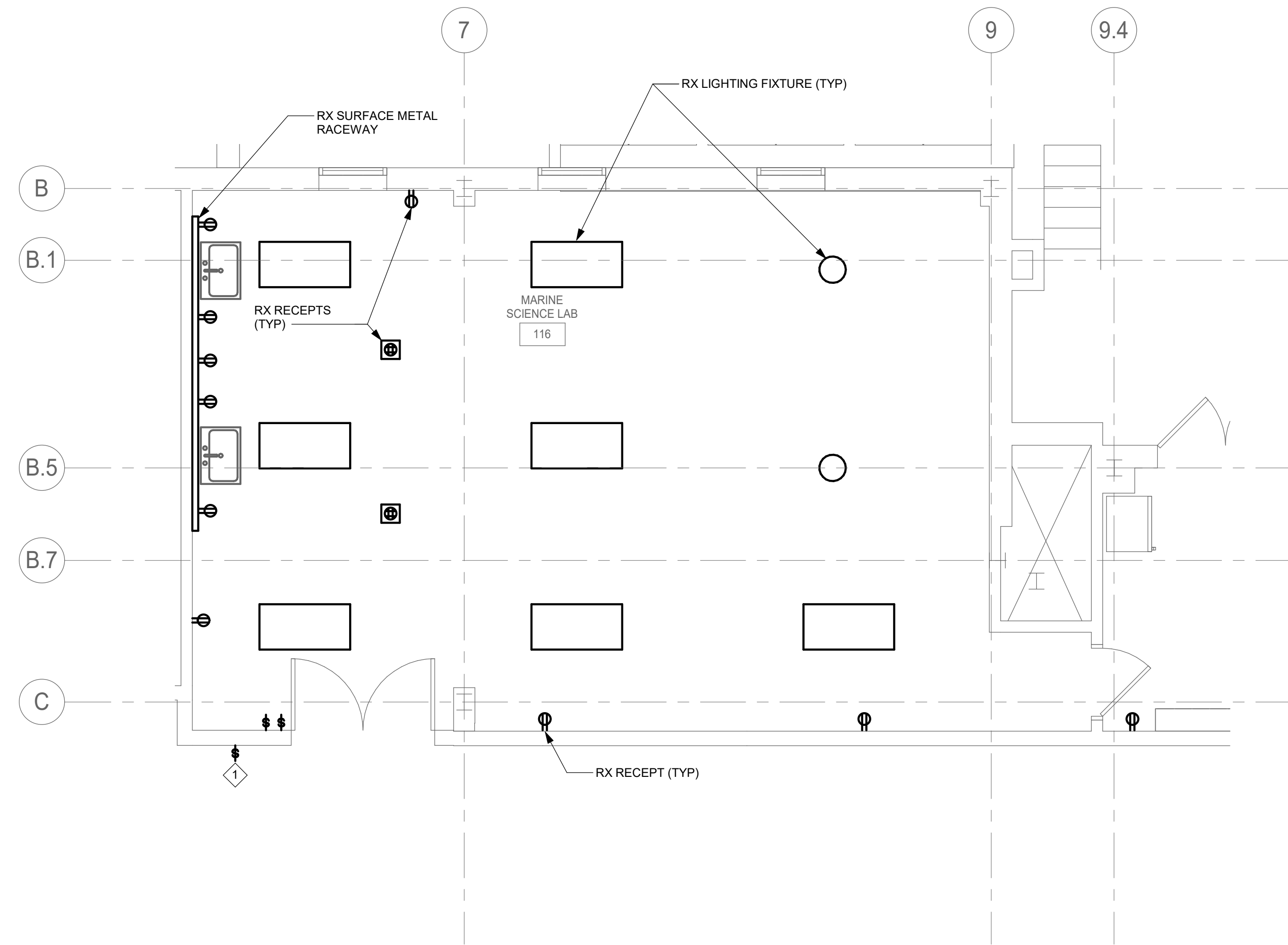
1. PRIOR TO DEMOLITION, FIELD VERIFY CONDUITS, ELECTRICAL CONDUCTORS AND CABLES, FIBER OPTIC CABLES, DATA AND TELEPHONE CABLES, SECURITY CABLES, ETC., THAT PASS THROUGH DEMOLITION AREAS AND SERVE AREAS OUTSIDE THE SCOPE OF WORK. MAINTAIN CONTINUITY OF SYSTEMS. PROTECT OR RELOCATE SYSTEMS TO PREVENT DAMAGE. RESTORE SYSTEMS TO NORMAL OPERATION. COORDINATE SYSTEM OUTAGES WITH OWNER.
2. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND DEVICES IN AREA OF DEMOLITION, INCLUDING ALL ASSOCIATED WIRE, CABLE AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE NOTED.
3. COORDINATE WITH MECHANICAL WORK SHOWN ON MECHANICAL DRAWINGS AND PROVIDE DISCONNECTION OF MECHANICAL EQUIPMENT AS INDICATED AND REQUIRED.
4. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE DEMOLISHED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS. COORDINATE WITH OWNER ITEMS TO BE DISPOSED OF AND ITEMS TO BE TURNED OVER TO OWNER.
5. FIRE SEAL ALL PENETRATIONS MADE ON FIRE RATED WALLS. RESTORE RATING OF ALL RATED WALLS AFFECTED BY DEMOLITION.
6. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS OF FEEDER SERVING BUILDING. MINIMIZE POWER OUTAGES. COORDINATE POWER OUTAGE(S) WITH OWNER AND OTHER BUILDINGS AFFECTED. PROVIDE TEMPORARY POWER TO MAINTAIN NORMAL OPERATIONS.
7. IN AREAS REQUIRING THE PERFORMANCE OF WORK OF OTHER TRADES, CAREFULLY DISCONNECT, MAKE SAFE, REMOVE AND STORE ELECTRICAL ITEMS IN PATH OF WORK, REINSTALL AND RECONNECT SAME AFTER COMPLETION OF OTHER TRADE'S WORK. COORDINATE REMOVAL OF EQUIPMENT WITH OTHER TRADES PRIOR TO DEMOLITION.

DRAWING NOTES:

- A. REFER TO DRAWING E-001 FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS.
- B. HEAVY LINE WEIGHT INDICATES DEMOLITION WORK. LIGHT LINE WEIGHT INDICATES EXISTING TO REMAIN.
- C. DEMOLITION PLAN IS INTENDED TO SHOW SCOPE OF WORK & DOES NOT INDICATE EVERY DEVICE, CONDUIT & BOX THAT MUST BE REMOVED.
- D. FOR AREAS THAT ARE NOT WITHIN THE SCOPE OF WORK MAINTAIN CONTINUITY OF BRANCH CIRCUITS.
- E. EXISTING CONDITIONS SHOWN ARE BASED ON LIMITED FIELD SURVEY AND EXISTING DOCUMENTATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INDICATED OR NOT INDICATED.
- F. WHERE EXISTING LIGHTING FIXTURES ARE INDICATED AS BEING REMOVED, REMOVE EXISTING LIGHTING FIXTURES AND MODIFY EXISTING BRANCH CIRCUIT TO MAINTAIN CONTINUITY FOR REMAINING LIGHTING FIXTURES.

SPECIAL NOTES:

- 1 EXISTING SWITCH TO BE RELOCATED. DISCONNECT AND REMOVE BRANCH CIRCUIT FROM SWITCH TO ALLOW FOR RELOCATION. REFER TO DRAWING E-201 FOR NEW LOCATION.



1 FIRST FLOOR - ELECTRICAL DEMOLITION
ED-101 1/4" = 1'-0"

Marine Science Lab

St. Mary's College
19090 Mathias De Sousa Drive
St. Mary's City, Maryland 20686

FIRST FLOOR PLAN - POWER NEW WORK

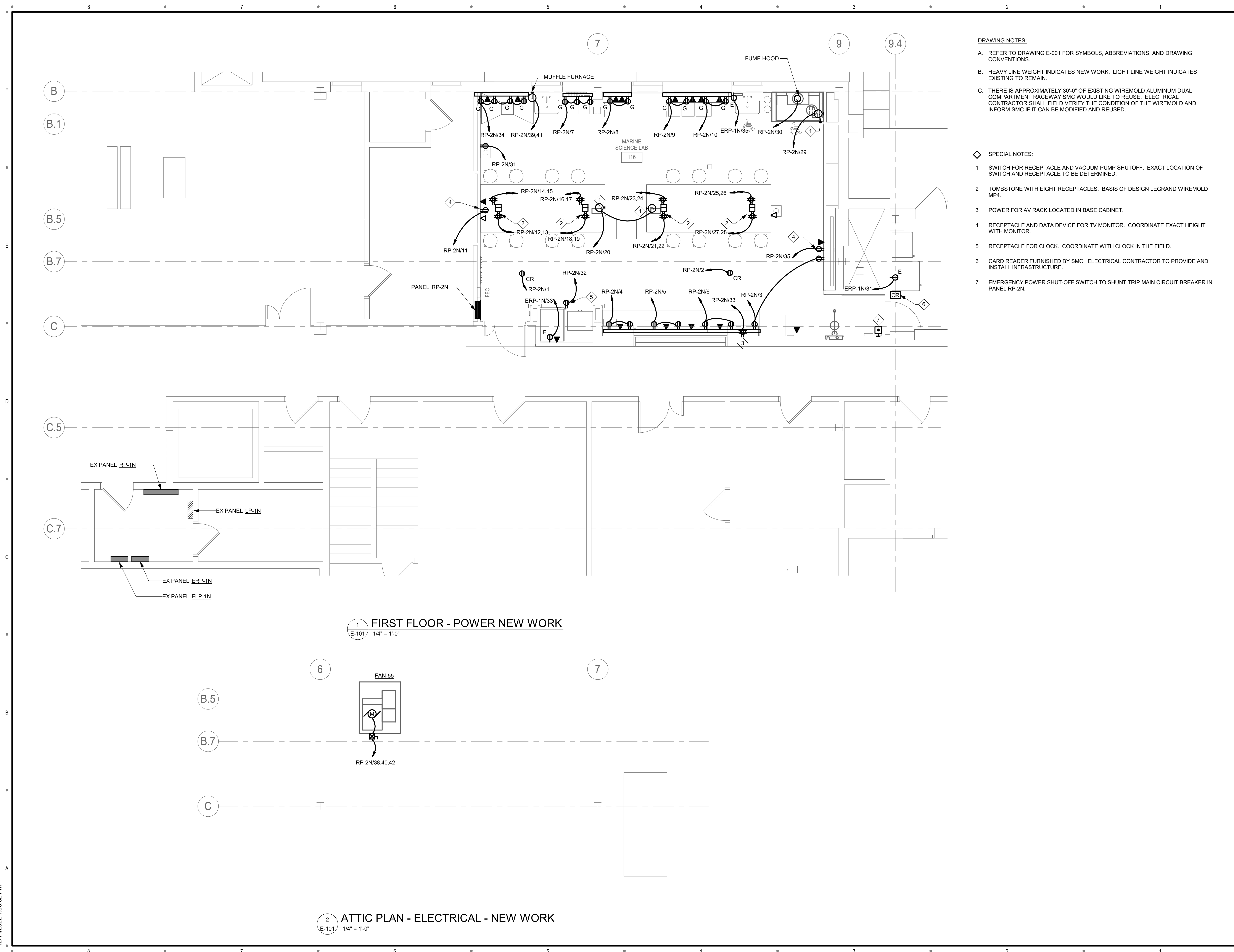
E-101

DRAWING NOTES:

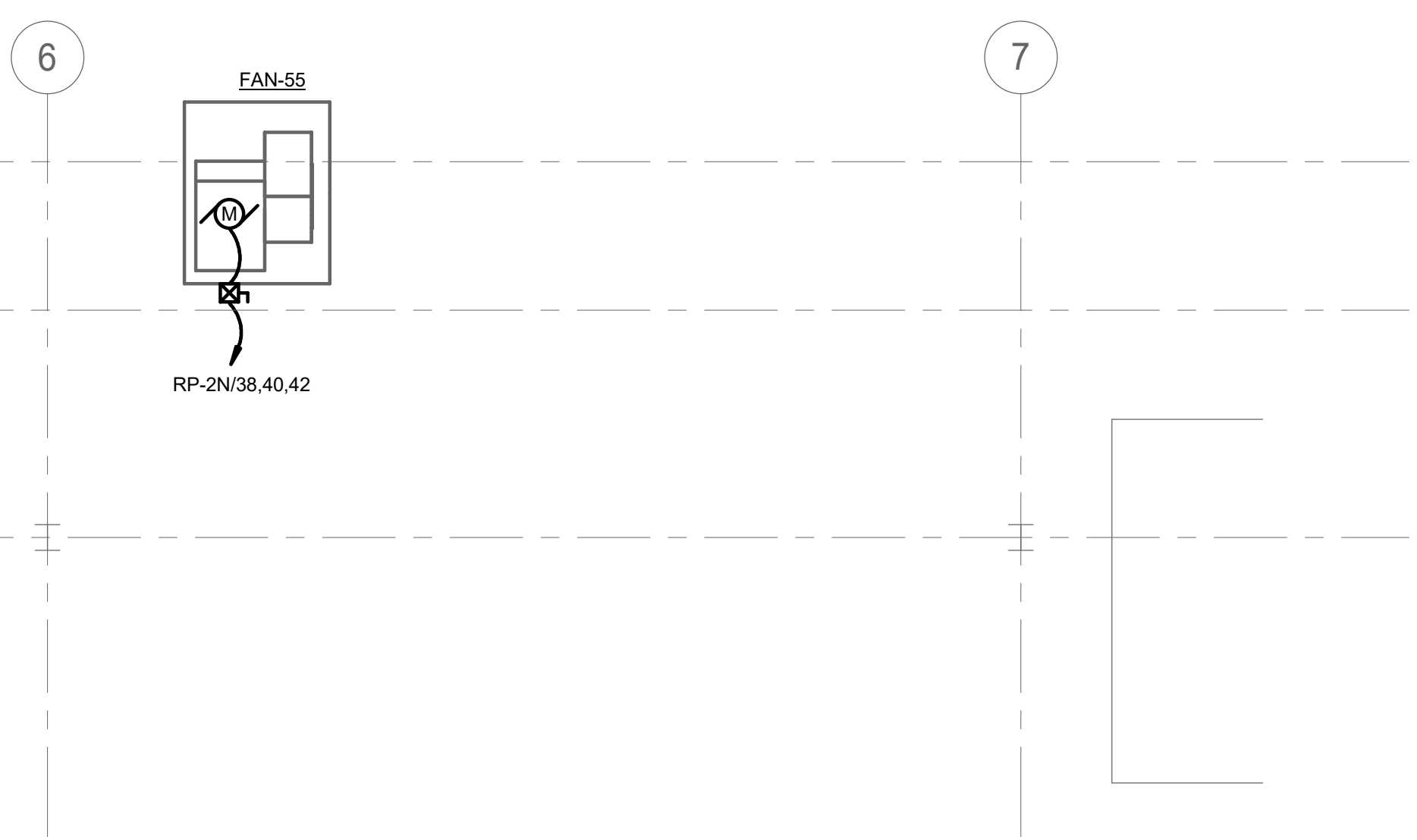
- A. REFER TO DRAWING E-001 FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS.
- B. HEAVY LINE WEIGHT INDICATES NEW WORK. LIGHT LINE WEIGHT INDICATES EXISTING TO REMAIN.
- C. THERE IS APPROXIMATELY 30'-0" OF EXISTING WIREMOLD ALLUMINUM DUAL COMPARTMENT RACEWAY SMC WOULD LIKE TO REUSE. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE CONDITION OF THE WIREMOLD AND INFORM SMC IF IT CAN BE MODIFIED AND REUSED.

SPECIAL NOTES:

- 1 SWITCH FOR RECEPTACLE AND VACUUM PUMP SHUTOFF. EXACT LOCATION OF SWITCH AND RECEPTACLE TO BE DETERMINED.
- 2 TOMBSTONE WITH EIGHT RECEPTACLES. BASIS OF DESIGN LEGRAND WIREMOLD MP4.
- 3 POWER FOR AV RACK LOCATED IN BASE CABINET.
- 4 RECEPTACLE AND DATA DEVICE FOR TV MONITOR. COORDINATE EXACT HEIGHT WITH MONITOR.
- 5 RECEPTACLE FOR CLOCK. COORDINATE WITH CLOCK IN THE FIELD.
- 6 CARD READER FURNISHED BY SMC. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL INFRASTRUCTURE.
- 7 EMERGENCY POWER SHUT-OFF SWITCH TO SHUNT TRIP MAIN CIRCUIT BREAKER IN PANEL RP-2N.



1 FIRST FLOOR - POWER NEW WORK
E-101 1/4" = 1'-0"



2 ATTIC PLAN - ELECTRICAL - NEW WORK
E-101 1/4" = 1'-0"

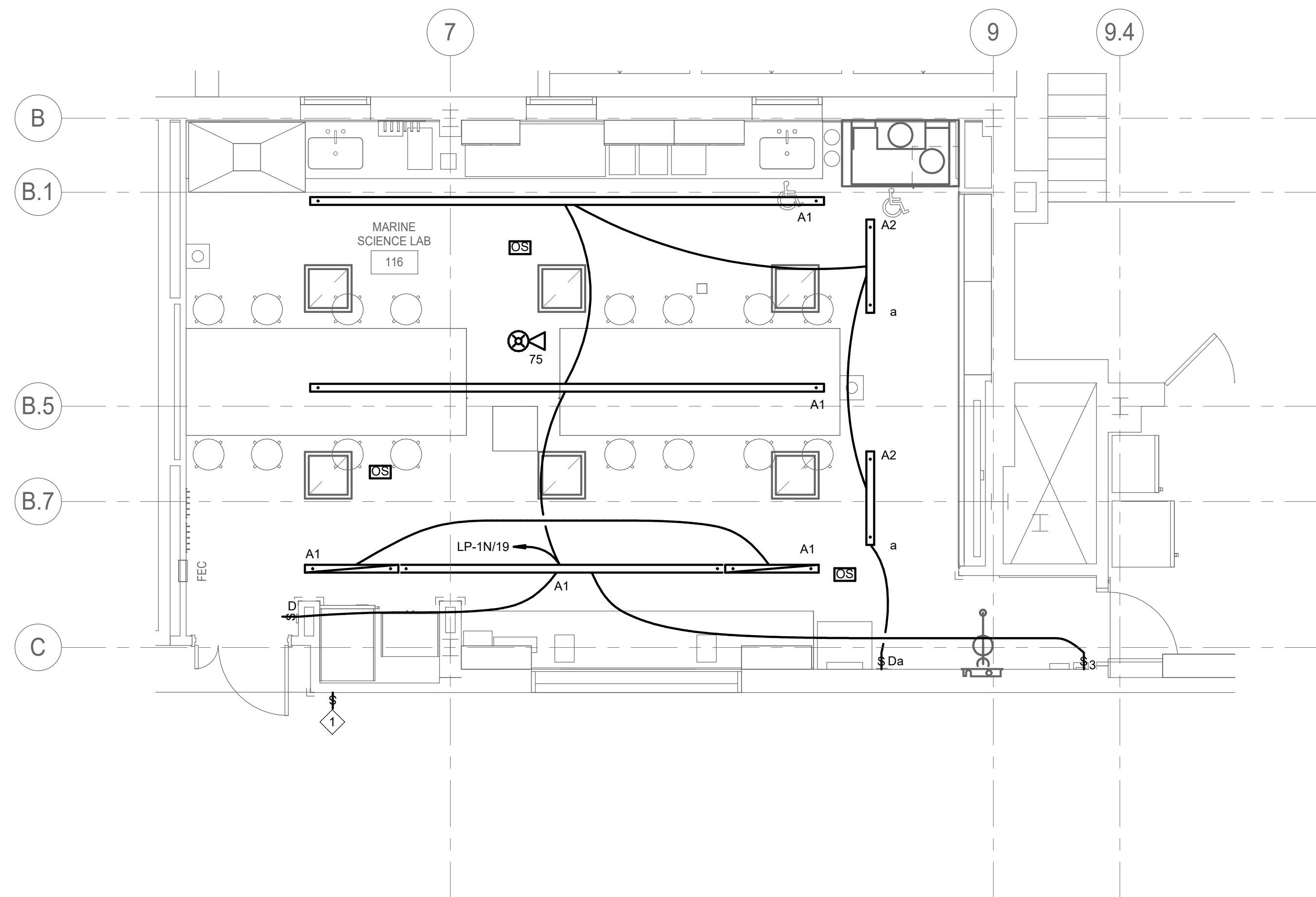
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DRAWING NOTES:

- A. REFER TO DRAWING E-001 FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS.
- B. HEAVY LINE WEIGHT INDICATES NEW WORK. LIGHT LINE WEIGHT INDICATES EXISTING TO REMAIN.

SPECIAL NOTES:

- 1. INSTALL EXISTING SWITCH SALVAGED UNDER DEMOLITION PHASE. EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED.



1 FIRST FLOOR - LIGHTING NEW WORK
E-201 1/4" = 1'-0"

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PANELBOARD: RP-2N		BUS RATING: 225 A		MAIN: 3P60A CB W/ SHUNT TRIP									
MIN AIC: 10,000		VOLTS: 208V/120V		PHASES: 3 WIRES: 4									
ENCLOSURE: NEMA 1		MOUNTING: SURFACE		FED FROM:									
LOCATION: Space 121		NOTES:											
CKT #	ITEM SERVED	CB P	CB TA	AØ (KVA)	BØ (KVA)	CØ (KVA)	CB TA	CB P	ITEM SERVED	CKT #			
1	RECEPT - SCIENCE LAB 116	1	20	0.2	0.2			20	1	RECEPT - SCIENCE LAB 116	2		
3	RECEPT - SCIENCE LAB 116	1	20			0.4	0.4	20	1	RECEPT - SCIENCE LAB 116	4		
5	RECEPT - SCIENCE LAB 116	1	20				0.4	0.4	20	1	RECEPT - SCIENCE LAB 116	6	
7	RECEPT - SCIENCE LAB 116	1	20	0.5	0.4			20	1	RECEPT - SCIENCE LAB 116	8		
9	RECEPT - SCIENCE LAB 116	1	20			0.4	0.4	20	1	RECEPT - SCIENCE LAB 116	10		
11	RECEPT - SCIENCE LAB 116	1	20				0.2	0.4	20	1	RECEPT - SCIENCE LAB 116	12	
13	RECEPT - SCIENCE LAB 116	1	20	0.2	0.4			20	1	RECEPT - SCIENCE LAB 116	14		
15	RECEPT - SCIENCE LAB 116	1	20			0.2	0.4	20	1	RECEPT - SCIENCE LAB 116	16		
17	RECEPT - SCIENCE LAB 116	1	20			0.2	0.4	20	1	RECEPT - SCIENCE LAB 116	18		
19	RECEPT - SCIENCE LAB 116	1	20	0.2	0.7			20	1	RECEPT - SCIENCE LAB 116	20		
21	RECEPT - SCIENCE LAB 116	1	20			0.4	0.2	20	1	RECEPT - SCIENCE LAB 116	22		
23	RECEPT - SCIENCE LAB 116	1	20				0.4	0.2	20	1	RECEPT - SCIENCE LAB 116	24	
25	RECEPT - SCIENCE LAB 116	1	20	0.4	0.2			20	1	RECEPT - SCIENCE LAB 116	26		
27	RECEPT - SCIENCE LAB 116	1	20			0.4	0.2	20	1	RECEPT - SCIENCE LAB 116	28		
29	RECEPT - SCIENCE LAB 116	1	20			0.4	0.4	20	1	RECEPT - SCIENCE LAB 116	30		
31	RECEPT - SCIENCE LAB 116	1	20	0.2	0.2			20	1	RECEPT - SCIENCE LAB 116	32		
33	RECEPT - SCIENCE LAB 116	1	20			0.4	0.7	20	1	RECEPT - SCIENCE LAB 116	34		
35	RECEPT - SCIENCE LAB 116	1	20				0.2	0.0	20	1	SPARE	36	
37	SPARE	1	20	0.0	0.8						38		
39		2	35			2.3	0.8			20	3	FAN-55 - ROOF	40
41	MUFFLE FURNACE					2.3	0.8						42
TOTAL PER PHASE:				4.4		7.3		6.4					
TOTAL CONNECTED:				18.1 KVA		50 A							

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	MOUNTING	MANUFACTURERS	CATALOG OR MODEL NUMBER	LAMPS (NOTE 1)	VOLTAGE (V)	DESCRIPTION
A1	CEILING PENDANT	FOCAL POINT OR APPROVED EQUAL	FSM1BS-BWFL-500DN-250U P-35K-1C-UNV-LD1-WH-LEN-GTH	LED (INCLUDED)	277	2" NARROW SUSPENDED DIRECT/INDIRECT LINEAR LED LIGHTING FIXTURE. 3500K. WATTS. LENGTH AS INDICATED ON PLANS.
A2	CEILING RECESSED	FOCAL POINT OR APPROVED EQUAL	FSM2L-AS-625LF-35K-1C-U NV-LD1-C96-WH-LENGTH	LED (INCLUDED)	277	2" NARROW LINEAR LED LIGHTING FIXTURE W/ ASYMMETRIC LENS.



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ELECTRICAL SCHEDULE

E-601

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