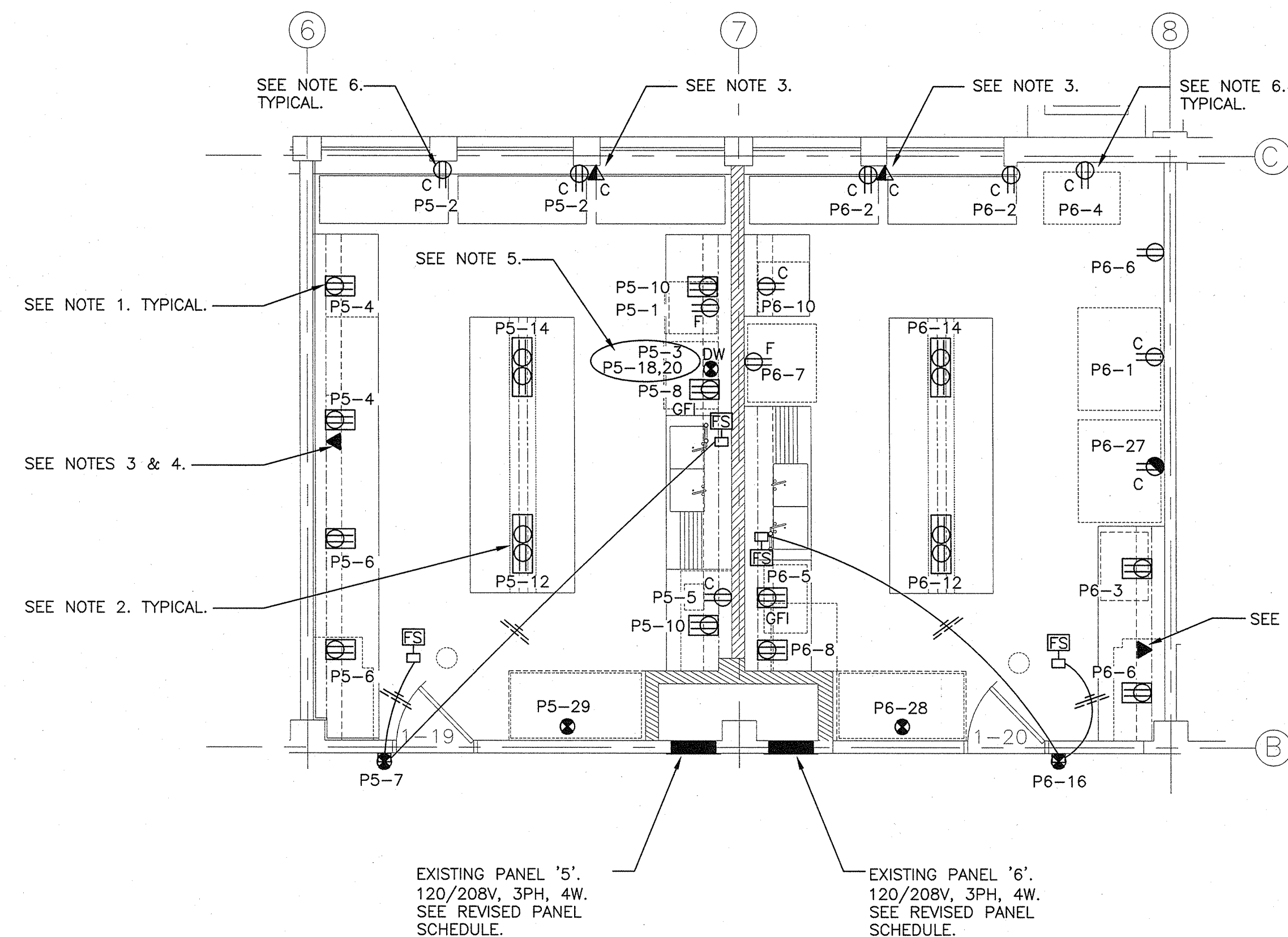


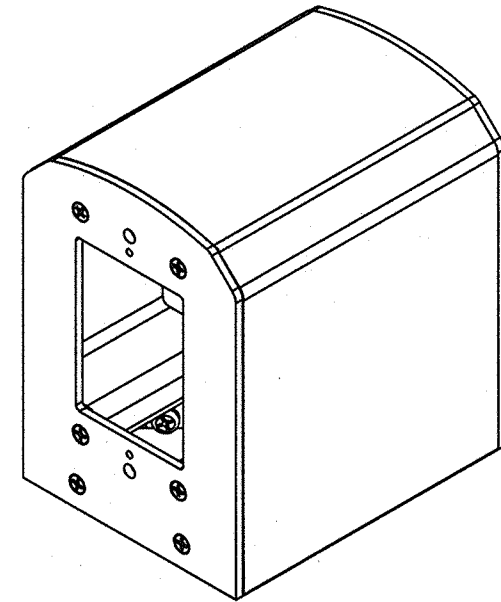
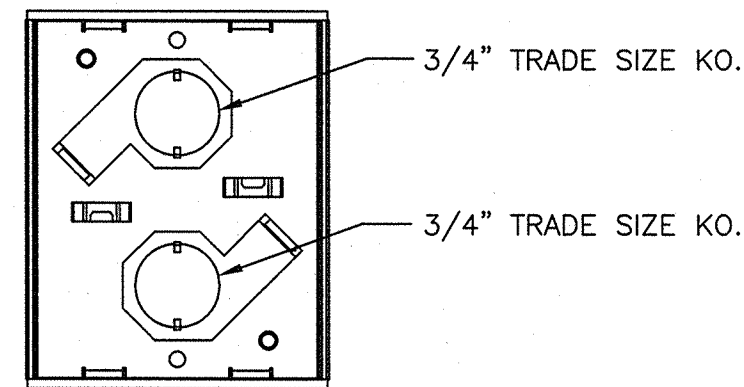
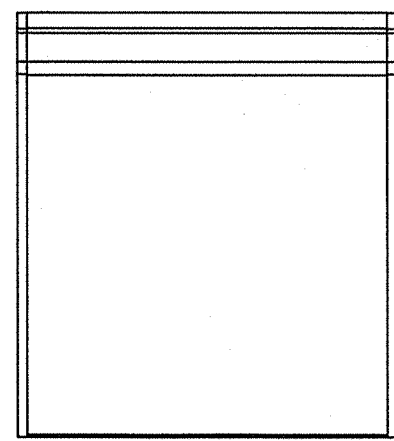
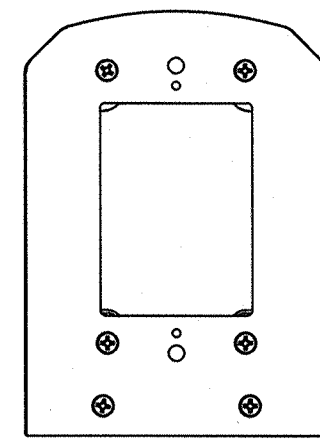
1 LAYOUT - LIGHTING - REVISED
SCALE: 1:50
0m 1m 2m 3m 4m 5m



2 LAYOUT - POWER & COMMUNICATIONS - REVISED
SCALE: 1:50
0m 1m 2m 3m 4m 5m

DRAWING NOTES

1. LAB BENCH PEDESTAL C/W DUPLEX RECEPTACLE INSTALLED IN U/C CHASE BY MILLWORK CONTRACTOR AS PART OF MILLWORK PACKAGE. PEDESTAL TO BE LEGRAND LBP2 OR APPROVED EQUAL. SEE DETAIL A. ELECTRICAL CONTRACTOR TO PROVIDE NEW WIRING BACK TO PANEL AS INDICATED.
2. LAB BENCH PEDESTAL C/W 2 - DUPLEX RECEPTACLES INSTALLED IN U/C CHASE BY MILLWORK CONTRACTOR AS PART OF MILLWORK PACKAGE. PEDESTAL TO BE LEGRAND LBP2 OR APPROVED EQUAL. SEE DETAIL A. ELECTRICAL CONTRACTOR TO PROVIDE NEW WIRING BACK TO PANEL AS INDICATED.
3. RUN CAT 6 COMMUNICATIONS CABLES FROM NEW VOICE AND DATA OUTLETS TO EXISTING TELEPHONE BACKBOARD AND DATA RACK IN BASEMENT. COORDINATE ON SITE.
4. DATA OUTLET TO BE INSTALLED IN SERVICE CHASE.
5. CONTRACTOR TO COORDINATE NEW DISHWASHER CIRCUIT WITH EXISTING DISHWASHER CIRCUIT SIZING. OTHER NEW BREAKER LISTED TO BE SPARE.
6. RECEPTACLES MOUNTED ON COLUMNS ON BACK WALL TO BE LOW PROFILE.



A DETAIL - LAB BENCH PEDESTAL
E2 NTS.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG #	CEILING TYPE	MOUNTING METHOD	LAMPS	WATTS	LAMP QUANTITY	VOLTS	REMARKS
A	PHILLIPS	1SPG232-FS01-120-EB	T-BAR	RECESSED	T8 FLUORESCENT	32	2	120	--

REMARKS	POWER: 120/208V, 3PH, 4W				PANEL: 5				SYM. I.C.: 10,000 AMPS				REMARKS	
	No. OF CCTS.: 30				LOCATION: CORRIDOR (1-19)				MAINS: 225A AMPS					
					FED FROM: EXISTING PANEL "2"				ENTER AT: XX MTG. EXISTING					
	DESIGNATION	LOAD			CIR. No.	WIRE SIZE	BKR	WIRE SIZE	CIR. No.	LOAD			DESIGNATION	
		PH A	PH B	PH C			A B C			PH A	PH B	PH C		
1	RECEPTACLE - REFRIGERATOR	X			1	12	15A	⬇	15A	12	2	X	RECEPTACLES	1
1	DISHWASHER		X		3	12	15A	⬇	15A	12	4	X	RECEPTACLES	1
1	RECEPT - WATER POLISHER			X	5	12	15A	⬇	15A	12	6	X	RECEPTACLES	1
1	SHOWER ALARM & FLOW SWITCH	X			7	12	15A	⬇	15A	12	8	X	GFI RECEPTACLE	1
1	LIGHTING		X		9	12	15A	⬇	15A	12	10	X	RECEPTACLES	1
2	X			X	11	12	15A	⬇	15A	12	12	X	RECEPTACLES - BENCH	1
		X			13	X	30A	⬇	15A	12	14	X	RECEPTACLES - BENCH	1
2	X				15	X	2P	⬇	15A	X	16	X	X	2
			X		17	X	15A	⬇	20A	12	18	X	DISHWASHER	1
2	X				19	X		⬇	2P	12	20	X	X	2
			X		21	X	3P	⬇	20A	X	22	X	X	1
2	X			X	23	X	15A	⬇	2P	X	24	X	X	2
2	X				25	X	15A	⬇	15A	X	26	X	X	2
2	X		X		27	X	15A	⬇	15A	X	28	X	X	2
3	FUME HOOD			X	29	12	20A	⬇	X	X	30	X	SPACE	2
PHASE A - TOTAL XXX SOURCE: _____														
PHASE B - TOTAL XXX FEEDER: _____														
PHASE C - TOTAL XXX _____														
TOTAL LOAD: XXX KW. XXX AMP. _____														
REMARKS: 1. EXISTING BREAKER, NEW CIRCUIT AND WIRING. 2. EXISTING BREAKER TO REMAIN AS SPARE, EXISTING CIRCUIT AND WIRING TO BE REMOVED. 3. NEW BREAKER, CIRCUIT AND WIRING.														

REMARKS	POWER: 120/208V, 3PH, 4W			PANEL: 6			SYM. I.C.: 10,000 AMP			REMARKS					
	No. OF CCTS.: 30			LOCATION: CORRIDOR (1-20)			MAINS: 225A AMP								
				FED FROM: EXISTING PANEL "2"			ENTER AT: XX MTG. EXISTING								
	DESIGNATION	LOAD			CIR. No.	WIRE SIZE	BKR	WIRE SIZE	CIR. No.	LOAD	DESIGNATION				
		PH A	PH B	PH C			A B C			PH A	PH B	PH C			
1	RECEPTACLE - INCUBATOR	X			1	12	15A	12	2	X			RECEPTACLES	1	
1	RECEPTACLE - INCUBATOR		X		3	12	15A	12	4		X		RECEPTACLES	1	
1	GFI RECEPTACLE - AUTOCLAVE			X	5	12	15A	12	6			X	RECEPTACLES	1	
1	RECEPTACLE - REFRIGERATOR	X			7	12	15A	12	8	X			RECEPTACLE	1	
2	X		X		9	X	30A	15A	12	10	X		RECEPT - MICRO CENTRIFUGE	1	
2	X			X	11	X	2P	15A	12	12		X	RECEPTACLES - BENCH	1	
		X			13	X	30A	15A	12	14	X		RECEPTACLES - BENCH	1	
			X		15	X	2P	15A	12	16	X		SHOWER ALARM & FLOW SWITCH	1	
2	X			X	17	X	30A	15A	12	18		X	LIGHTING	1	
		X			19	X	2P	20A	X	20		X			
2	X			X	21	X	15A	2P	X	22	X		X		2
2	X			X	23	X	15A	15A	X	24	X	X	X		2
2	X			X	25	X	15A	15A	X	26	X	X	X		2
3	RECEPTACLE - BIO HOOD			X	27	12	20A	20A	12	28			X	FUME HOOD	
	SPACE			X	29	X	X	X	X	30		X	X	SPACE	
PHASE A - TOTAL XXX														SOURCE: _____	
PHASE B - TOTAL XXX														_____	
PHASE C - TOTAL XXX														FEEDER: _____	
TOTAL LOAD: XXX KW. XXX AMP.														_____	
REMARKS:															
1. EXISTING BREAKER, NEW CIRCUIT AND WIRING.															
2. EXISTING BREAKER TO REMAIN AS SPARE, EXISTING CIRCUIT AND WIRING TO BE REMOVED.															
3. NEW BREAKER, CIRCUIT AND WIRING.															