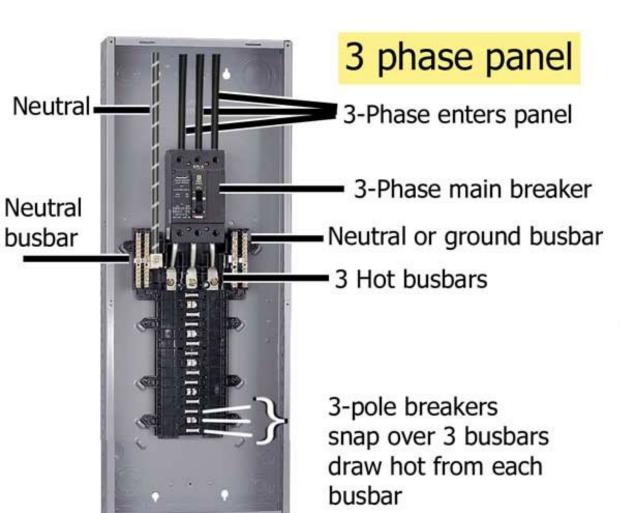
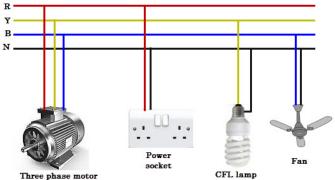
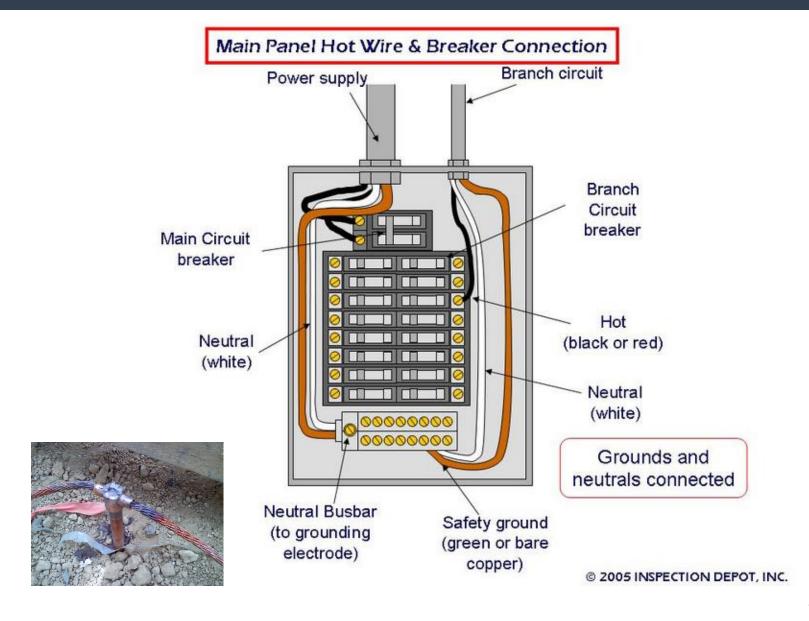
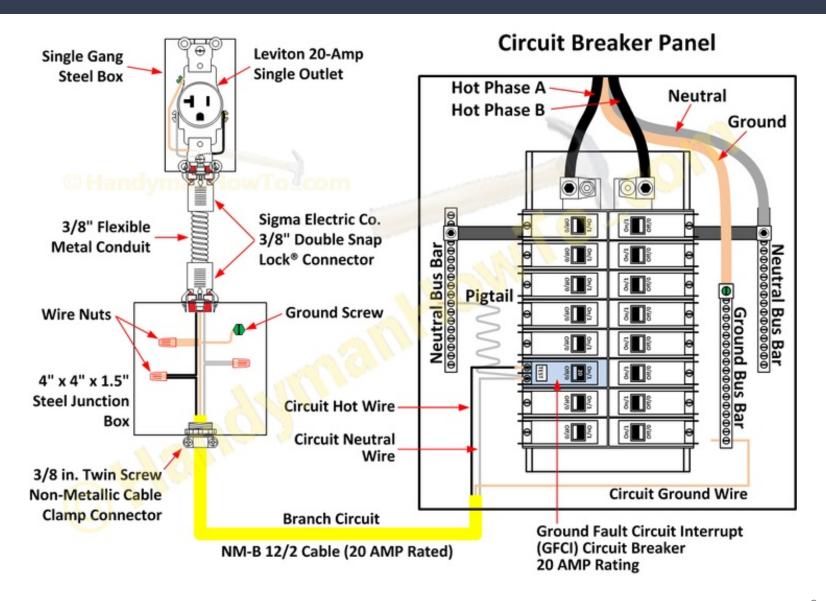


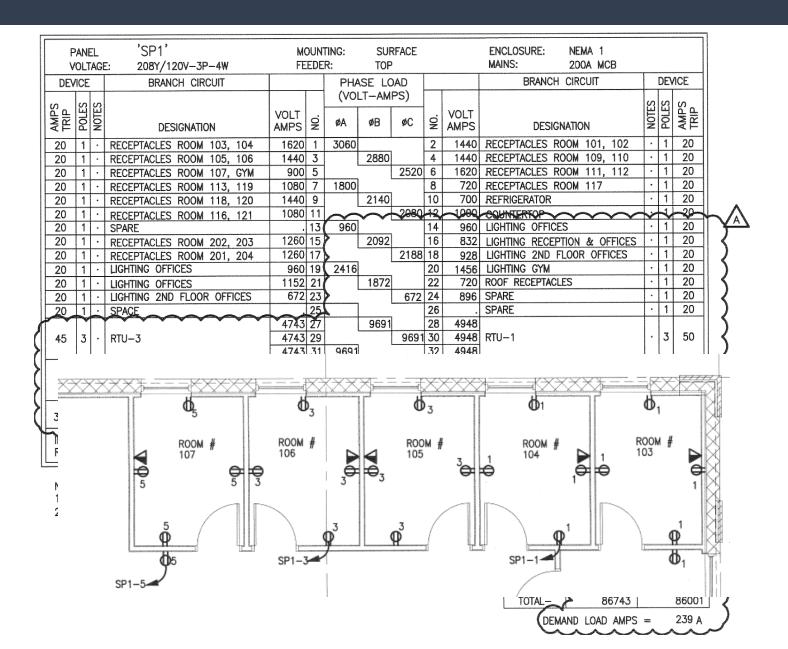
A branch circuit, as defined in Article 100, is the circuit conductor between the final overcurrent device protecting the circuit and the outlet(s). Branch circuits are divided into four categories: appliance, general purpose, individual and multiwire.





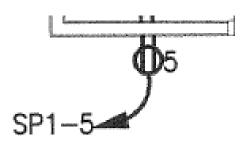






Electrical Homerun

- ☐ An electrical homerun is a wiring run that connects directly to a building's electrical panel (source).
- ☐ It is usually shown on a plan using an arrow with the panel name and circuit number(s) it connects to.



Raceway Fill

Table C.1 Continued

Table C.1	Continue	₽d											
					CONDU	CTORS							
	Conductor Size	Metric Designator (Trade Size)											
Туре	(AWG kcmil)	16 (½)	21 (3/4)	27 (1)	35 (11/4)	41 (1½)	53 (2)	63 (2½)	78 (3)	91 (3½)	103 (4)		
RHH*.	6	1	3	4	8	11	18	32	48	63	81		
RHW*,	4	1	1	3	6	8	13	24	36	47	60		
RHW-2*,	3	î	1	3	5	7	12	20	31	40	52		
TW,	2	1	1	2	4	6	10	17	26	34	44		
THW,	1	1	1	1	3	4	7	12	18	24	31		
THHW,	1/0	0	1	1	2	3	6	10	16	20	26		
THW-2	2/0	0	1	1	1	3	5	9	13	17	22		
	3/0	0	1	1	1	2	4	7	11	15	19		
	4/0	0	0	1	1	1	3	6	9	12	16		
İ	250	0	0	1	1	1	3	5	7	10	13		
	300	0	0	1	1	1	2	4	6	8	11		
	350	0	0	0	1	1	1	4	6	7	10		
	400	0	0	0	1	1	1	3	5	7	9		
	500	0	0	0	1	1	1	3	4	6	7		
Ī	600	0	0	0	1	1	1	2	3	4	6		
	700	0	0	0	0	1	1	1	3	4	5		
	750	0	0	0	0	1	1	1	3	4	5		
	800	0	0	0	0	1	1	1	3	3	5		
	900	0	0	0	0	0	1	1	2	3	4		
	1000	0	0	0	0	0	1	1	2	3	4		
	1250	0	0	0	0	0	1	1	1	2	3		
	1500	0	0	0	0	0	1	1	1	1	2		
	1750	0	0	0	0	0	0	1	1	1	2		
	2000	0	0	0	0	0	0	1	1	1	1		
THHN,	14	12	22	35	61	84	138	241	364	476	608		
THWN, THWN-2	12	9	16	26	45	61	101	176	266	347	443		
IIIWN-2	10	5	10	16	28	38	63	111	167	219	279		
	8	3	6	9	16	22	36	64	96	126	161		
-	6	2	4	7	12	16	26	46	69	91	116		
	4 3	1	2	4	7	10 8	16	28	43	56 47	71 60		
	2	1 1	1 1	3	6 5	7	13 11	24 20	36 30	47	51		
	1	1	1	1	4	5	8	15	22	29	37		
}	1/0	1	1	1	3	4	7	12	19	25	32		
	2/0	0	1	1	2	3	6	10	16	20	26		
	3/0	0	1	1	1	3	5	8	13	17	22		
	4/0	0	1	1	1	2	4	7	11	14	18		
-	250	0	0	1	1	1	3	6	9	11	15		
	300	0	0	1	1	1	3	5	7	10	13		
	350	0	0	1	1	1	2	4	6	9	11		
	400	0	0	0	î	î	1	4	6	8	10		
	500	0	0	0	1	1	1	3	5	6	8		
	600	0	0	0	1	1	1	2	4	5	7		
	700	0	0	0	1	1	1	2	3	4	6		
	750	0	0	0	0	1	1	1	3	4	5		
	800	0	0	0	0	1	1	1	3	4	5		
	900	0	0	0	0	1	1	1	3	3	4		
	1000	0	0	0	0	1	1	1	2	3	4		

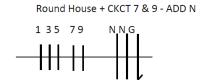
Round House Combinations

	Hot	Hot	Hot	N	GND	Hot	Hot	Hot	N	GND
House	1	3	5			2	4	6		
	7	9	11			8	10	12		
	13	15	17			14	16	18		
	19	21	23			20	22	24		
	25	27	29			26	28	30		
	31	33	35			32	34	36		
	37	39	41			38	40	42		
	43	45	47			44	46	48		
	49	51	53			50	52	54		
	55	57	59			56	58	60		
	61	63	65			62	64	66		
	67	69	71			68	70	72		
	73	75	77			74	76	78		
	79	81	83			80	82	84		
	85	87	89			86	88	90		
	91	93	95			92	94	96		
	97	99	101			98	100	102		
	103	105	107			104	106	108		
	109	111	113			110	112	114		
	115	117	119			116	118	120		
	121	123	125			122	124	126		

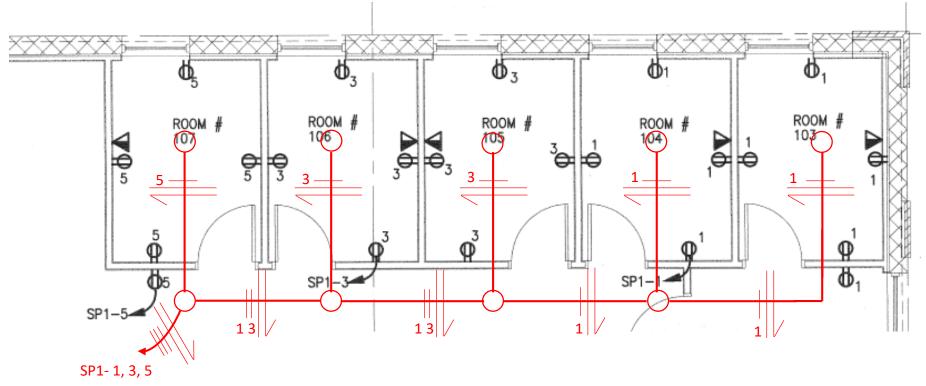
Examples:

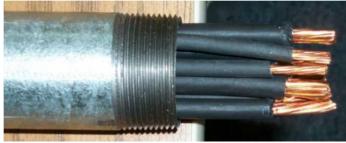
Round House

135 N G

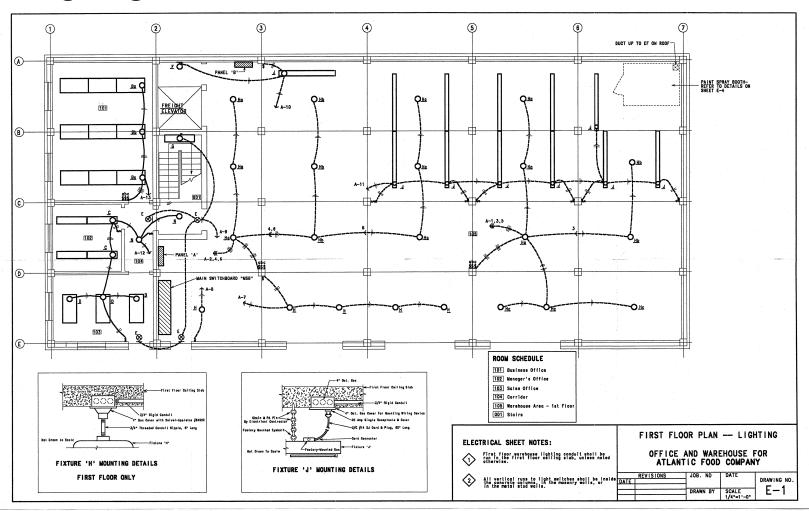


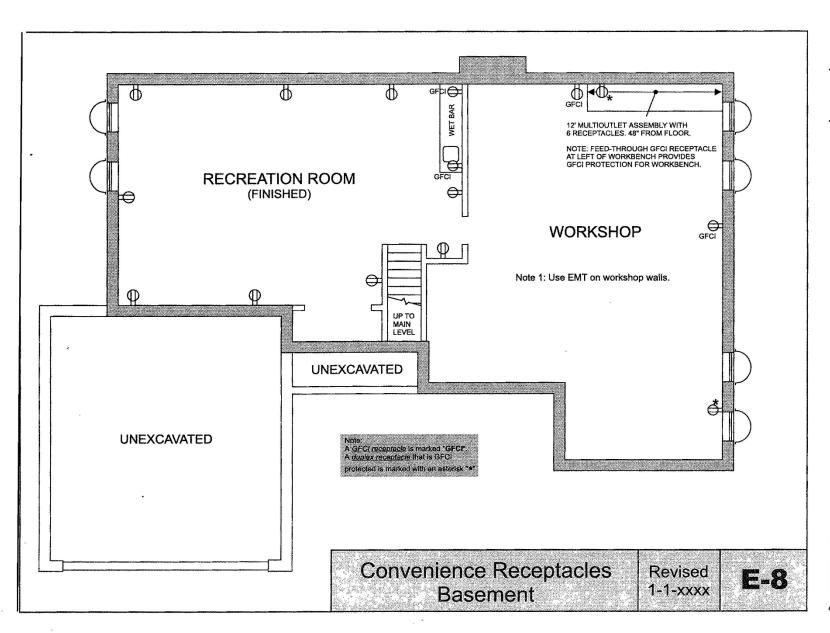
Branch Power





Branch Lighting





Electrical Estimating

