

NORMAL POWER RISER DIAGRAM SCALE : N.T.S.

PER N.E.C. 2. PROVIDE AN INDIVIDUAL

CONDUIT FOR EACH SET. 3. ALL FEEDERS SHALL BE EQUIPPED WITH A GROUND CONDUCTOR.

1. PROVIDE CONDUIT SIZED

300 NNG – INDICATES 5#350Kcmil AND 1#4 GROUND CONDUCTOR. 500 NI – INDICATES 2 SETS OF 4#250kcmil AND 2#2 GROUND CONDUCTORS (ONE OF WHICH IS AN ISOLATED GROUND CONDUCTOR) PER SET. 1000 P – INDICATES 3 SETS OF 3#400kcmil AND 1#2/0 PARTIAL NEUTRAL CONDUCTORS PER SET.

FEEDER SCHEDULE NOTES: EXAMPLES:







DRY TYPE TRANSFORMER SCHEDULE

KVA RATING	<u>PRIMAF</u> 480V, 3 PHASE	<u>Ry</u> . – 3 Wire	<u>SECON</u> 208Y/120V, 3 F	I <u>DARY</u> PHASE — 4 WIRE	GROUNDING	
	PROTECTION (AMPS)	FEEDER DESIGNATION	PROTECTION (AMPS)	FEEDER * DESIGNATION	ELECTRODE	
3	15	15 G	15	15 NG	1 # 8	
6	15	15 G	20	20 NG	1 # 8	
9	15	15 G	30	30 NG	1 # 8	
15	25	30 G	50	50 NG	1 # 8	
30	50	50 G	100	115NG	1 # 6	
45	70	85 G	150	150 NG	1 # 6	
75	125	130 G	225	230 NG	1 # 2	
112.5	175	175 G	400	380 NG	1 # 1/0	
150	225	230 G	500	500 NG	1 # 1/0	
225	350	380 G	800	800 NG	1 # 2/0	
300	450	460 G	1000	1000 NG	1 # 3/0	
500	800	700 G	1600	1600 NG	1 # 3/0	
750	1200	1200 G	2500	2500 NG	1 # 3/0	

TRANSFORMER SCHEDULE NOTES:* FOR TRANSFORMERS SERVING ISOLATED GROUND PANELS1. PROVIDE CONDUIT SIZED PER N.E.C..* FOR TRANSFORMERS SHALL BE TYPE ____ NNI IN LIEU OF TYPE ____ NG

2. CONNECT GROUNDING ELECTRODE TO BUILDING STEEL OR NEAREST APPROVED GROUNDING POINT.

ALL TRANSFORMERS SHALL BE MOUNTED ON A 4" HIGH CONCRETE HOUSEKEEPING PAD, U.O.N..

4. ALL TRANSFORMERS SHALL BE RATED FOR 80°C TEMPERATURE RISE, U.O.N..

5. ALL TRANSFORMERS SHALL BE EQUIPPED WITH COPPER

RATED.

WINDINGS. 6. PROVIDE FEEDERS AS INDICATED ON SCHEDULE, UNLESS

OTHERWISE NOTED ON DRAWINGS. 7. ALL SHIELDED ISOLATION TRANSFORMERS SHALL BE K-13

		F'E'.	EDER	SCHE	DULE					
	COPPER CONDUCTORS (75° C) PER SET									
FEEDER DESIGNATION	No. OF SETS	PHASE CONDUCTORS	P PARTIAL NEUTRAL CONDUCTOR	N NEUTRAL CONDUCTOR	NN OVERSIZED NEUTRAL CONDUCTOR	G GROUND CONDUCTOR	I ISOLATED & EQUIPMENT GROUND CONDUCTOF			
15	1	3 # 12		1 # 12	1 # 10	1 # 12	2 # 12			
20	1	3 # 12		1 # 12	1 # 8	1 # 12	2 # 12			
30	1	3 # 10		1 # 10	1 # 6	1 # 10	2 # 10			
50	1	3 # 8		1 # 8	1 # 2	1 # 10	2 # 10			
60	1	3 # 6		1 # 6	1 # 1	1 # 10	2 # 10			
85	1	3 # 4		1 # 4	1 # 2/0	1 # 8	2 # 8			
100	1	3 # 2	1 # 8	1 # 2	1 # 3/0	1 # 8	2 # 8			
115	1	3 # 2	1 # 6	1 # 2	1 # 4/0	1 # 6	2 # 6			
130	1	3 # 1	1 # 6	1 # 1	1 # 300	1 # 6	2 # 6			
150	1	3 # 1/0	1 # 4	1 # 1/0	2 # 1/0	1 # 6	2 # 6			
175	1	3 # 2/0	1 # 2	1 # 2/0	2 # 2/0	1 # 6	2 # 6			
200	1	3 # 3/0	1 # 2	1 # 2/0	2 # 2/0	1 # 6	2 # 6			
230	1	3 # 4/0	1 # 2	1 # 3/0	2 # 3/0	1 # 6	2 # 6			
255	1	3 # 250	1 # 1	1 # 4/0	2 # 4/0	1 # 4	2 # 4			
300	1	3 # 350	1 # 1/0	1 # 250	2 # 250	1 # 4	2 # 4			
380	1	3 # 500	1 # 3/0	1 # 350	2 # 350	1 # 4	2 # 4			
400	1	3 # 500	1 # 3/0	1 # 500	2 # 500	1 # 2	2 # 2			
420	1	3 # 600	1 # 4/0	1 # 600	2 # 600	1 # 1	2 # 1			
460	2	3 # 4/0	1 # 2	1 # 4/0	2 # 4/0	1 # 2	2 # 2			
500	2	3 # 250	1 # 1	1 # 250	2 # 250	1 # 2	2 # 2			
600	2	3 # 350	1 # 1/0	1 # 350	2 # 350	1 # 1	2 # 1			
700	2	3 # 500	1 # 2/0	1 # 500	2 # 500	1 # 1/0	2 # 1/0			
800	2	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 1/0	2 # 1/0			
1000	3	3 # 400	1 # 2/0	1 # 400	2 # 400	1 # 2/0	2 # 2/0			
1100	3	3 # 500	1 # 2/0	1 # 500	2 # 500	1 # 3/0	2 # 3/0			
1200	3	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 3/0	2 # 3/0			
1600	4	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 4/0	2 # 4/0			
2000	5	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 250	2 # 250			
2500	6	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 350	2 # 350			
3000	8	3 # 500	1 # 3/0	1 # 500	2 # 500	1 # 400	2 # 400			
3500	9	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 500	2 # 500			
4000	10	3 # 600	1 # 3/0	1 # 600	2 # 600	1 # 500	2 # 500			
FEEDER SC	HEDULE	NOTES:	<u>EXAMPLES:</u> 300 NNG - 1	NDICATES 5#350)Kcmil AND 1#4	GROUND COND	UCTOR.			
			500 NI - INDICATES 2 SETS OF 442504cmil AND 242 CROHND CONDUCTOR.							

2. PROVIDE AN INDIVIDUAL CONDUIT FOR EACH SET.

3. ALL FEEDERS SHALL BE EQUIPPED WITH A GROUND CONDUCTOR.

1000 P

(ONE OF WHICH IS AN ISOLATED GROUND CONDUCTOR) PER SET. – INDICATES 3 SETS OF 3#400kcmil AND 1#2/0 PARTIAL NEUTRAL CONDUCTORS PER SET.



