

FPL PADMOUNT TRANSFORMER

- 1 THWN 600v Copper conductors in schedule 40 PVC
- 2 All Feeders in cable tray are to be copper Type-TC 600v rated
- 3 THWN 600v Copper conductors in rigid conduit
- 4 3-3/4x10 Copperweld ground rods are to be driven in a delta configuration with rods a minimum of 10' apart. Grounding conductor is to be 4/0 bare copper. All ground connections will be joined using irreversible copper high compression connectors

480/ 277 VOLTS

2 x 3-350 mcm,
1-4/0 neu

MAIN 1 OF 3
600A

200A

1 x 3- 3/0
#4 gnd

RECEIVING MCC PANEL

HP	DESCRIPTION
1.5	TRIPPER WINCH
20	TRIPPER CONVEYOR
30	BULK TOWER
20	ELEVATOR
71.5 HP TOTAL	

BLENDING MCC PANEL 2

HP	DESCRIPTION
25	BLEND AUGER
0.5	BIN VIBRATOR
0.75	BIN VIBRATOR
15	ELEVATOR
0.67	DIVERTER
3	VIBRATORY SCREENER
0.5	BIN VIBRATOR
0.75	BIN VIBRATOR
3	VIBRATORY SCREENER
0.5	BIN VIBRATOR
3	VIBRATORY SCREENER
0.75	BIN VIBRATOR
0.75	RACK AND PINION GATE
0.75	RACK AND PINION GATE

55 HP TOTAL

125A

1 x 3- #1
#4 gnd

AIR COMP PANEL

HP	DESCRIPTION
60	AIR COMPRESSOR
60 HP TOTAL	



David M. Zimmer, PE

EST. 100HP
FUTURE LOAD
LINE 3, ETC.

125A

1 x 3- #1
#4 gnd

BLENDING MCC PANEL 1 Provided w/ 450a MCB

HP	DESCRIPTION
40	BLENDER DRAG
30	LOADOUT TROUGH
30	TRANSPORT ELEVATOR
40	OVERHEAD TROUGH A
40	OVERHEAD TROUGH B
50	BATCH MIXER
25	PRODUCT CONDITIONER
0.75	RACK AND PINION GATE
0.67	DIVERTER
0.75	RACK AND PINION GATE
0.75	RACK AND PINION GATE
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0.75	RACK AND PINION GATE

261 HP TOTAL

2 x 3-350 mcm,
1-4/0 neu

MAIN 2 OF 3
600/450

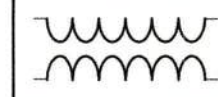
2 x 3-4/0,
#2 gnd

1 x 3-500 mcm,
1-4/0 neu

MAIN 3 OF 3
400A

200A

1 x 3- 3/0
#4 gnd



208Y/ 120 VOLT
112.5 KVA

1 x 3- 250mcm, 4/0 neu,
#2 gnd

208Y/ 120 VOLT
84 CIRCUIT 250MCB
MISC MOTOR, HVAC, HOUSE
LOADS

75 KVA EST.

200A

1 x 4- 3/0
#4 gnd

480Y/ 277 VOLT
42 CIRCUIT MLO

MISC LIGHTING LOAD AND
SMALL MOTOR LOADS

75 KVA EST.

