

WTJR Tower Electric Flow Cart  
3420 Cannonball Quincy IL  
engineering@wtjr.org rev.120606

600 amp  
Breaker

Electric Generator  
200 kw 480 volts  
Outside unit

Utility Electric Input 480V  
3 phase 4 wire Y

600 amp 480V  
Fused Disconnect

Transfer  
Switch

M.O.V.'s  
surge  
suppress

U.P.S  
Voltage  
Regulator

Wire tap per NEC

Harris Sigma TV  
transmitter  
Analog IOT tube  
Channel 16

Line Control  
Cabinet  
Harris Sigma  
Transmitter  
Analog

200 amp fused  
Disconnect

480V  
30 amp  
fused  
Discon.

480V  
30 amp  
fused  
Discon.

480V  
30 amp  
fused  
Discon.

100 amp  
Fused  
Disconnect

200 amp fused  
Disconnect

Pump Motor  
Sigma HDTV

Heat  
Exchanger  
Sigma  
HDTV

HVAC  
10 ton

Harris Sigma TV  
transmitter  
HDTV IOT tube  
Channel 32

Line Control  
Cabinet  
Harris Sigma  
Transmitter  
HDTV

200 amp  
Breaker

Pump Motor  
Sigma Analog

Breaker

Heat  
Exchanger  
Sigma  
Analog

Antenna  
Deicer

Breaker

Breaker

200 amp  
240/120  
panel

Transformer

Breaker

Transformer

Breaker

Breaker

100 amp  
240/120  
panel