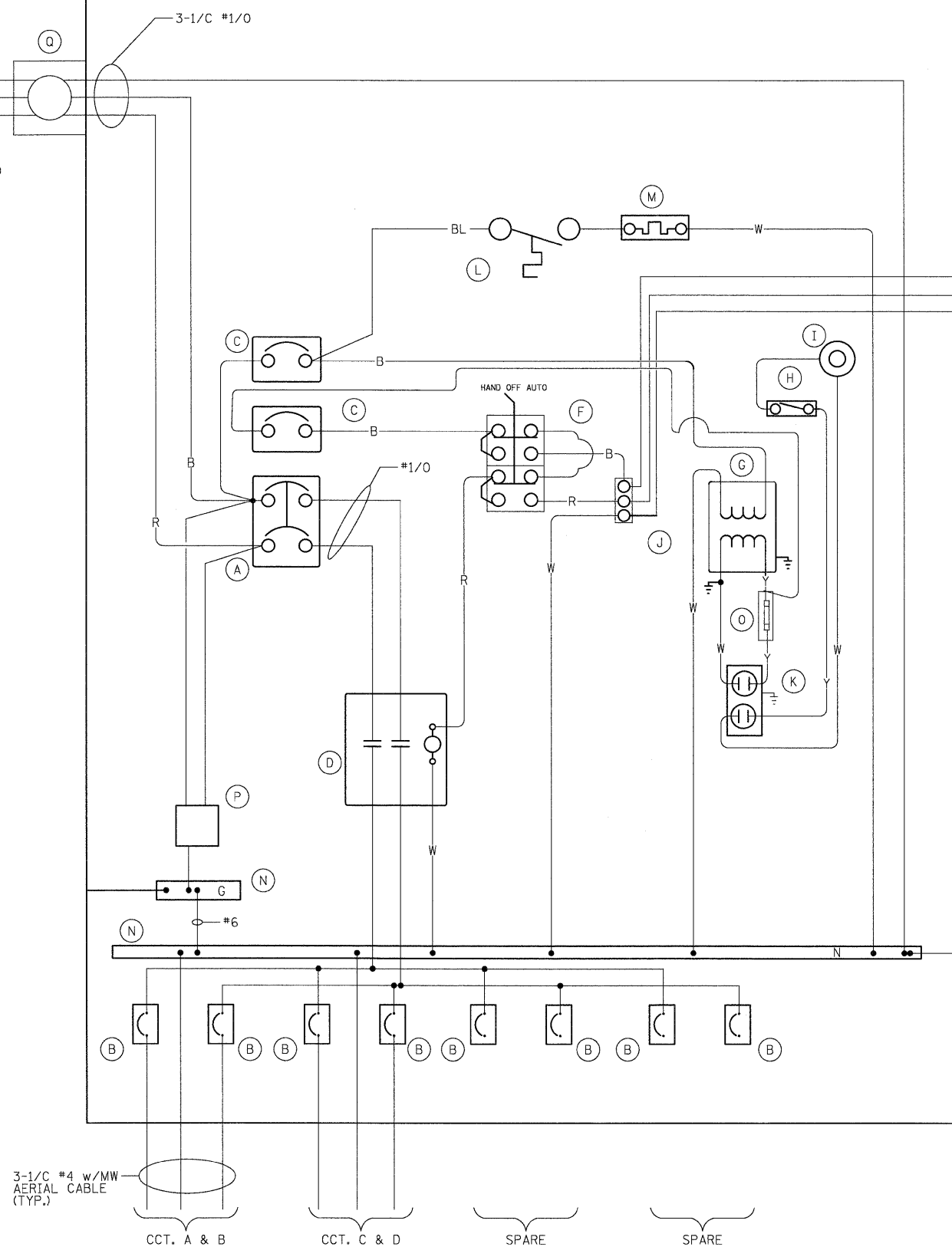


ELECTRICAL SERVICE FROM COMED  
100A, 240/480V, 1 PH, 3W



BILL OF MATERIALS CONTROLLER "CT"		
ITEM	QTY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 150 AMP, 2POLE, 480V, NON-INTERCHANGEABLE TRIP, INTERRUPTING RATING 25,000 AMP AT 480 VOLT
B	8	1P-30A, 240V, BOLT-ON BRANCH CIRCUIT BREAKERS, CAT. NO. GH81030, INTERRUPTING RATING 14,000 AMP AT 277 VOLT (2 SPARE)
C	2	CUTLER HAMMER EHD1015 1P 15 AMP, 240V, INTERRUPTING RATING 14,000 AMP AT 277 VOLT
D	1	CH A202K4BA 2P 200A, 600V, 120V COIL
E	1	FA105M NITELIGHTER PHOTOCELL
F	1	SQ D 9001KYK111 HOA SWITCH
G	1	JEFFERSON 21-0071-055 1KVA XFORMER
H	1	OMRON DOOR SWITCH A20G07BK
I	1	LEVITON 29816-C LIGHT FIXTURE
J	1	CHINCH 3 POINT TB
K	1	LEVITON 6599 15A GFCI RECP
L	1	WR THERMOSTAT *2E552 0-50 DEG.
M	1	SS HEATER VULCAN *0S1408-250B 250 WATTS
N	2	COPPER GROUND AND NEUTRAL BUS, MIN. 1/4" X 1" X 12"
O	1	BUSSMAN KTK15 FUSE
P	1	BRACKET MOUNTED SURGE ARRESTER FOR 480/240V, 3W SERVICE
Q	1	1-PHASE, 3-WIRE, 200 AMP METER FITTING

POWER WIRING RHH/RHW  
CONTROL WIRING #12 MTW  
NEUTRAL BUS COLOR CODED WHITE  
GROUND BUS COLOR CODED GREEN  
UL LISTED

BL = BLUE  
W = WHITE  
B = BLACK  
R = RED  
Y = YELLOW

#6 GND IN 1/2" PVC CONDUIT  
TO 5/8" x 10' GROUND ROD

NOTES:

- FOR TEMPORARY LIGHTING CONTROLLER INSTALLATION DETAILS, SEE DRAWING RL-D1.
- PROVIDE #4 EQUIPMENT GROUND WIRE WITH EACH PAIR OF CIRCUIT CONDUCTORS.

McDonough Associates Inc.  
Engineers / Architects  
130 East Randolph Street Chicago, Illinois 60601

FILE NAME =  
D160C31-SHT-EDetail23.dgn

USER NAME = TK1uegl  
PLOT SCALE = 1:1  
PLOT DATE = 12/11/2009

DESIGNED - JLW  
DRAWN - CJM  
CHECKED - KMY  
DATE - 12/18/09

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-55 AT ARSENAL ROAD  
TEMPORARY LIGHTING CONTROLLER WIRING DIAGRAM

SCALE: AS NOTED SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(99-1&2)AC-3	WILL	524	297
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C31	

FINAL

RL-D3