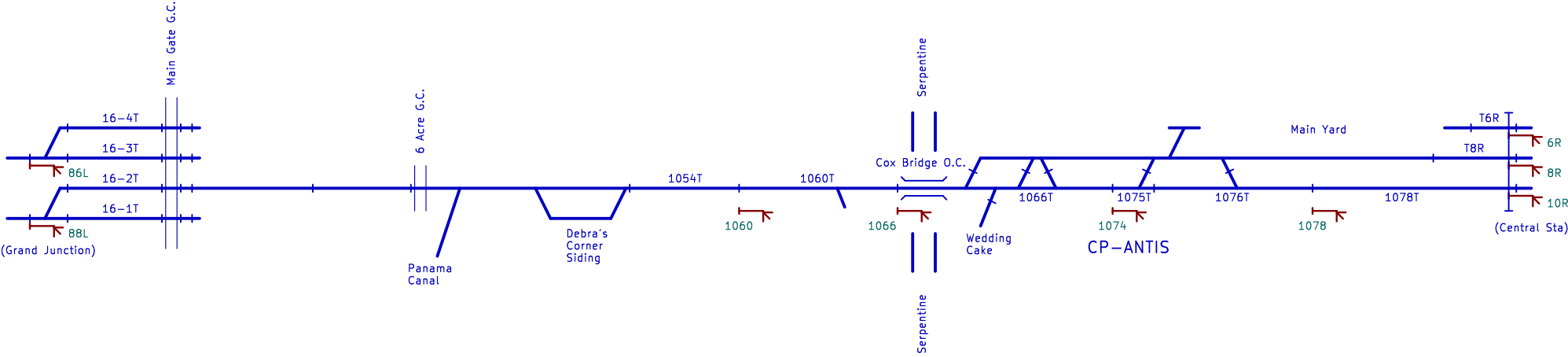


Track Diagram

6 Acre Loop



gc-6acre
File: gc-6acre.kicad_sch

1060
File: 1060.kicad_sch

1066
File: 1066.kicad_sch

1074
File: 1074.kicad_sch

1078
File: 1078.kicad_sch

To Six-Acre Loop

To Panama Canal

MP 0.22

Gate House

Direct Burial

Road

Controller

Conduit in drainage pipe

Conduit affixed to ties

Six Acre Crossings

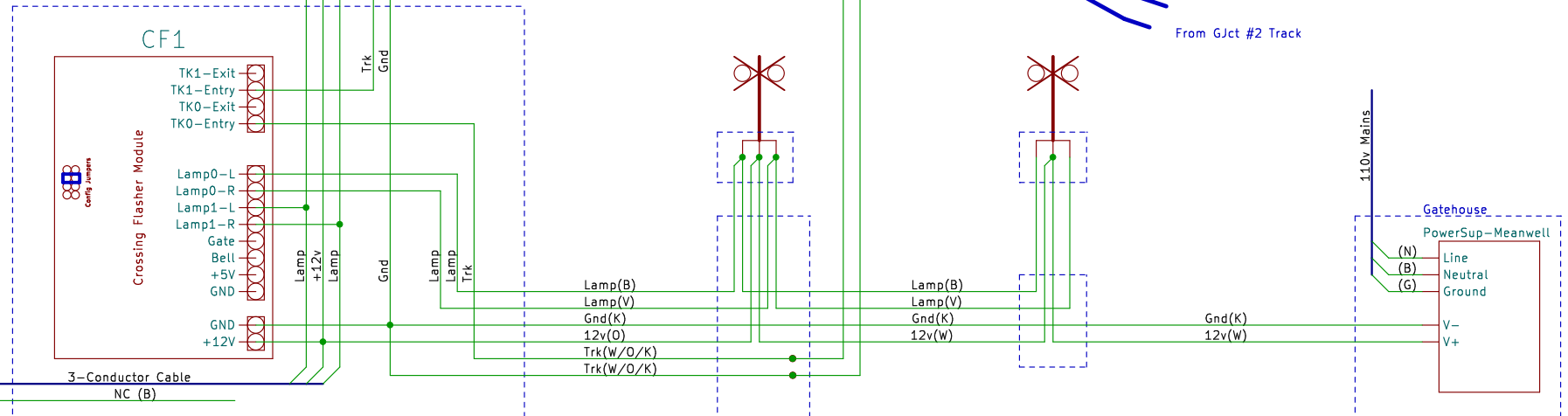
As Built 9/2021

MP 0.20

From GJct #1 Track

From GJct #2 Track

Each lamp is NTE30180-R LED with 15 ohm 2W resistor in series. Each LED draws ~660mA. Entire system is ~5A Continuous



Signal 1060

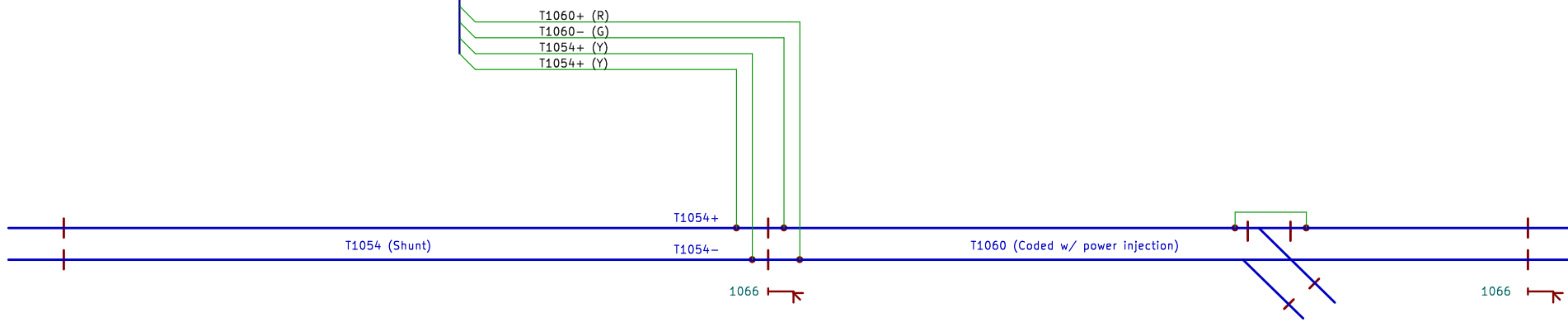
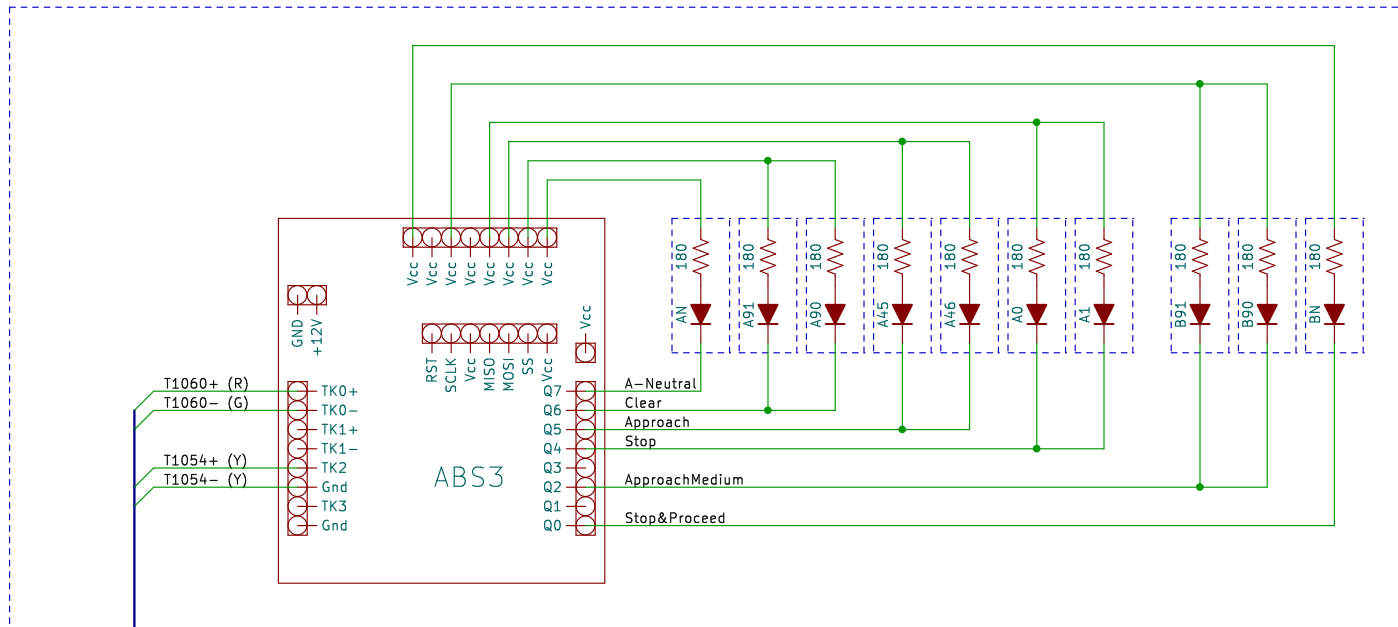
PRR Position Light Type

Installed 7/2023

ABS3 Configuration:

- Battery powered
- TK0 powered from rails
- TK1 standard coded
- TK2 populated
- TK3 omitted

U4 Voltage regulator omitted
Battery charge current circuit populated
R9,R10 used. R8 omitted
R26 used,R27 omitted
D3,D4 13.6v TVS
D5,D6,D7 6.8 TVS



Signal 1066

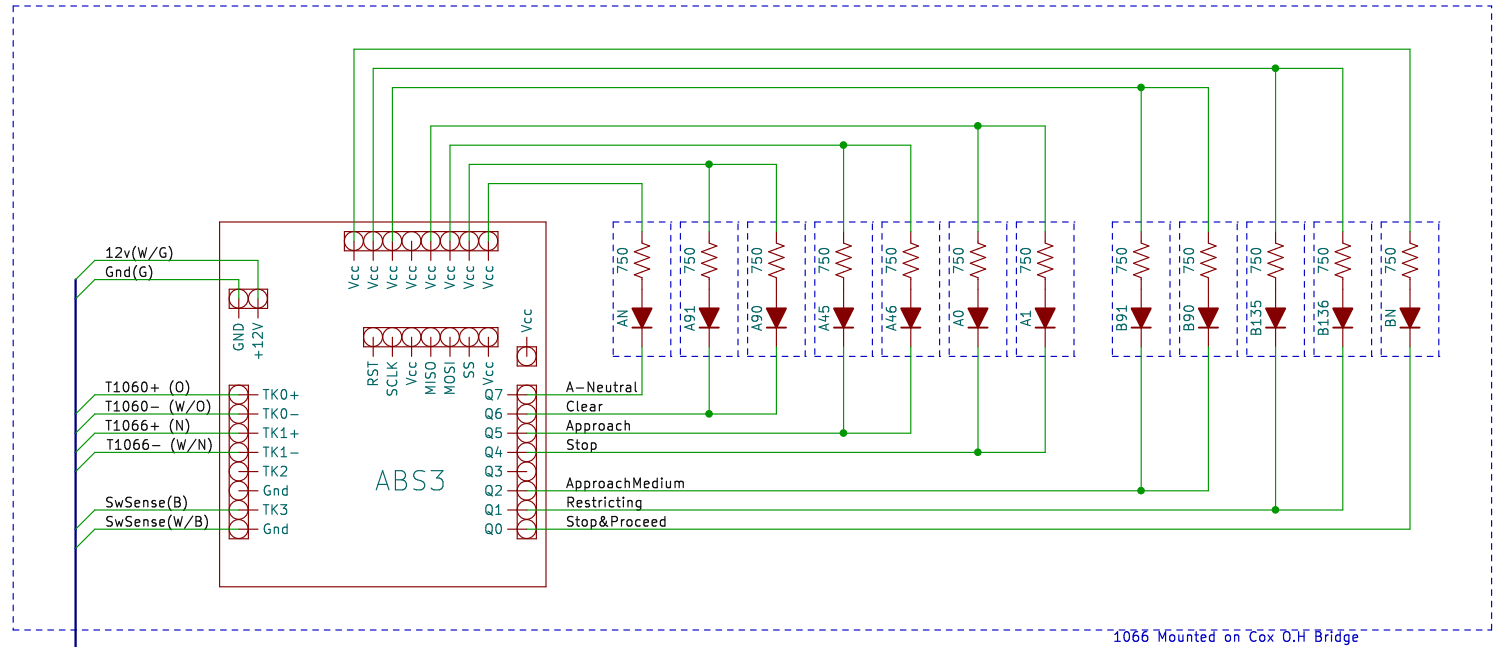
PRR Position Light Type

Installed 6/2023

ABS3 Configuration:

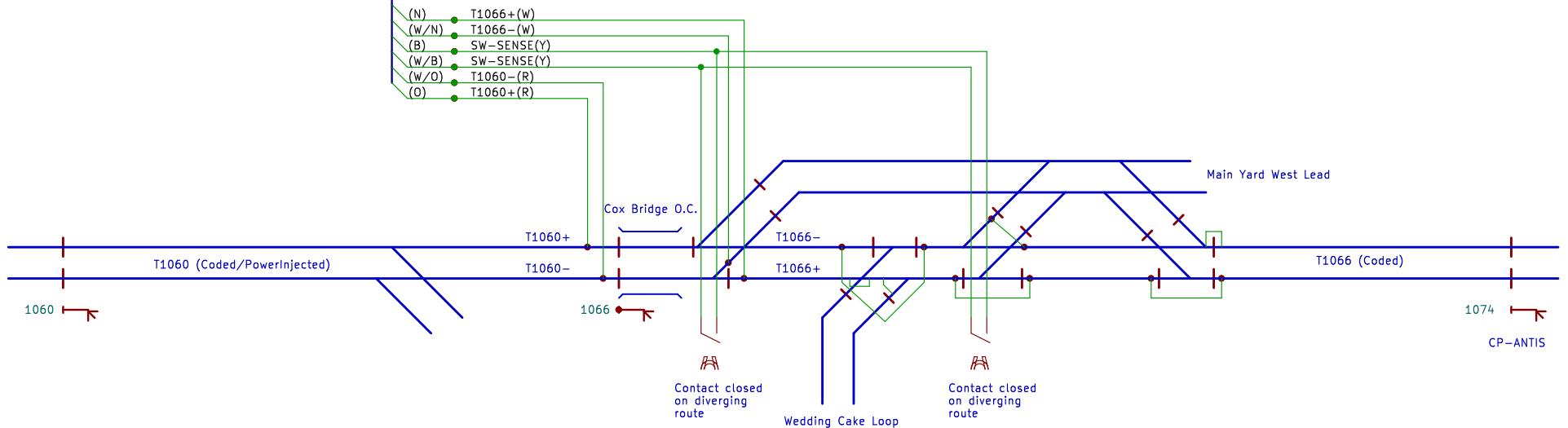
External 12v power
TK0 injects power to rails
TK1 standard coded
TK2 populated
TK3 populated

U4 Voltage regulator used.
Battery charge current circuit omitted
R8,R10 used. R9 omitted
R12 substitute with 9.1 zener diode
R26,R27 omitted
D3,D4 13.6v TVS
D5,D6,D7,D8 6.8 TVS



(W/G) 12v(R/K) Connects to beam-break sensors'
(G) GND(R) power on Cox O.H Bridge

(N) T1066+(W)
(W/N) T1066-(W)
(B) SW-SENSE(Y)
(W/B) SW-SENSE(Y)
(W/O) T1060-(R)
(O) T1060+(R)



Signal 1078

Built 8/2021

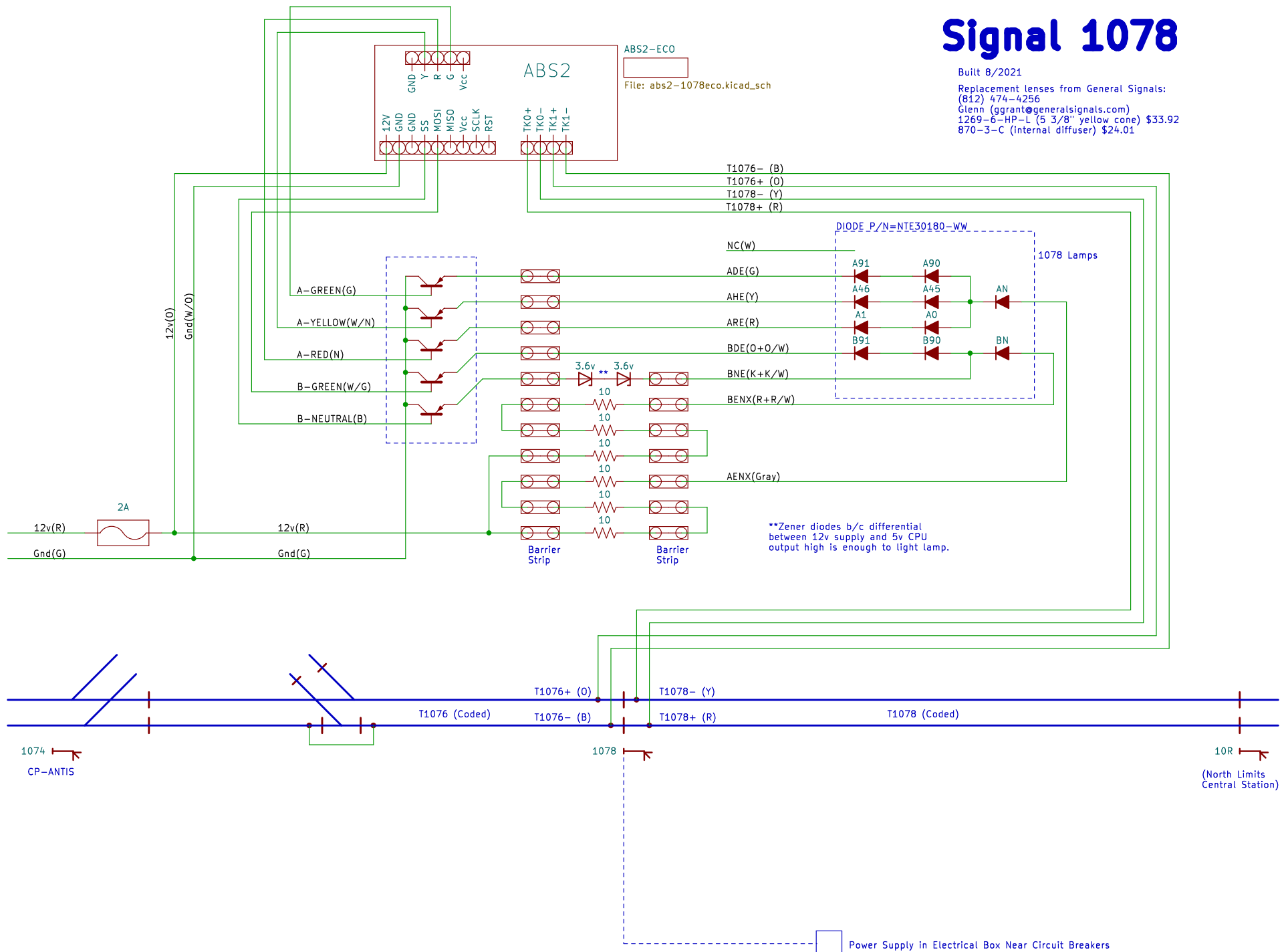
Replacement lenses from General Signals:
(212) 474-1255

(812) 474-4256

Glenn (ggrant@generalsignals.com)
4362 6th St. #153, 92011

1269-6-HP-L (5 3/8" yellow cone) \$33.92

870-3-C (internal diffuser) \$24.01



ABS2-1078ECO

9/2021

