GROUNDING BUSBAR - SIZED PER DIVISION 17 CONTRACTR

OTHER METAL PIPING (GAS, ETC.) SHALL BE BONDED PER NEC 250.104 AND NEC TABLE 250.122. EQUIPMENT GROUND CONDUCTOR FOR SEPERATELY DERIVED SYSTEM. SIZE PER NEC TABLE 250.122.

 $\overline{14}$ #4 BARE COPPER GROUND CONDUCTOR. CONCRETE ENCASED ELECTRODE AS DESIGNATED IN THE NEC 250.52(A)(3) SHALL BE CONSIDERED A GROUNDING ELECTRODE AND SHALL BE BONDED TOGETHER WITH THE OTHER GROUNDING ELECTRODES TO CREATE A GROUNDING ELECTRODE SYSTEM.

DAYLIGHT HARVESTING SYMBOL SCHEDULE

FHEMERGENCY

H BLK 120277V

BLUE | 010V DIM | EN

H BLK 120277V

BLK 120V N H

BLK 120V N H

ORG 277V

ORG 277V

PS 150

N WHITE

YEL 120V

EN EHEMERGENCY
YEL 120V
RED 277V

DE1 [ZONE 1 DL EM]

|H | BLK 120V → ORG 277V

|H| BLK 120V

DP1 [ZONE 4]

→ ORG 277V

ZONE 5

SYMBOL	DESCRIPTION
DE1	ACUITY #DE1 NPP16 D ER
DP1	ACUITY #DP1 NPP16 D
GX1	ACUITY #GX1 NPOD GFX
PC1	ACUITY #PC1 NCM ADCX

NOTES:

1. THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. THE SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER. SUBMITTAL SHALL INCLUDE: A) SEPARATION ZONES FOR EACH SPACE.

2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION. ALL PROGRAMMING SHALL BE APPROVED AND COORDINATED WITH THE OWNER.

3. PROVIDE MULTIPLE COMMISSIONS BY THE MANUFACTURER AS VARIOUS PHASES OF THE PROJECT ARE COMPLETE.

4. PROVIDE ALL HARDWARE, SOFTWARE, WIRING, ETC. AS REQUIRED FOR A COMPLETE, OPERATIONAL SYSTEM. 5. VERIFY EXACT LOCATION OF SWITCHES PRIOR TO INSTALLATION.

NON-SERVICE DRY TYPE TRANSFORMER **BUILDING STEEL** MAIN SWITCHBOARD "MDP" ENCLOSURE GROUND - EXOTHERMIC CONNECTION GROUND ROD LOCATED TO EFFECTIVELY GROUNDED -NO GREATER THAN 2 FEET BUILDING STEEL AND WATER PIPES FROM BUILDING PERIMETER BONDING JUMPER AT TRANSFORMER **EQUIPMENT** GROUND NEUTRAL (3) 3/4"□ X 10' GROUND RODS SEPARATED BY 10' EACH 000000 TECH. EQUIP. METALLIC H,O LINE BUILDING STEEL GRD BUS WATER SERVICE FOUNDATION REINFORCING STEEL TRANSFER SWITCH(ES) EMERGENCY GENERATOR SERVICE TRANSFORMER GENERATOR CASE

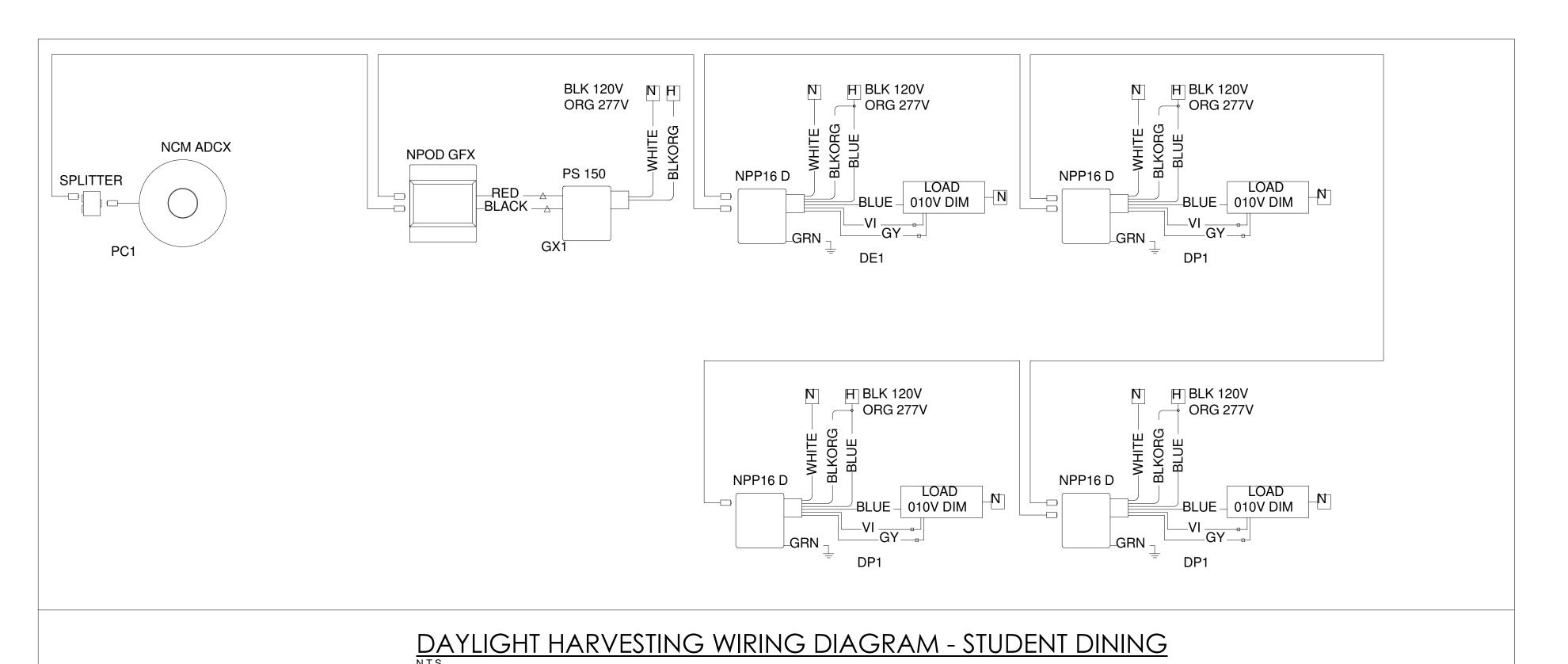
GROUNDING ELECTRODE SYSTEM WIRING DIAGRAM

GROUNDING NOTES:

(1) SIZE GROUNDING ELECTRODE CONDUCTORS PER TABLE 250.66 OF THE NEC. THE CONDUCTOR SHALL BE CONNECTED TO AN APPROVED GROUNDING ELECTRODE.

© GROUND CONDUCTORS TO OTHER POINTS AND EQUIPMENT, AS REQUIRED BY ARTICLE 250 OF THE NEC, ELECTRICAL SERVICE, AND POWER DISTRIBUTION SPECIFICATIONS.

- (3) SERVICE ENTRANCE GROUNDED (NEUTRAL) CONDUCTOR
- (WITH PHASE CONDUCTORS). (4) MAIN BONDING JUMPER SHALL BE SIZED PER TABLE 250.66 OF
- $\langle \overline{5} \rangle$ EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED PER TABLE 250.122 OF THE NEC. (6) GROUNDED (NEUTRAL) CONDUCTOR
- $\overline{7}$ BONDING CONDUCTOR SHALL BE SIZED PER TABLE 250.66 OF (8) GROUND CONDUCTOR TO TELECOMMUNICATIONS MAIN
- REQUIREMENTS, #3/0 MINIMUM. (9) GROUND ROD ELECTRODE - PROVIDE #4 AWG COPPER GROUNDING ELECTRODE CONDUCTOR, PER NEC 250.66(A).
- (10) CONNECTION SHALL BE MADE WITHIN 5' OF BUILDING



|H| BLK 120V

NCM ADCX

| | BLK 120 | H | BLK 120 | H

DP1 [ZONE 3 DL]

→ ORG 277V

BLUE 010V DIM

NCM ADCX

EN EHEMERGENCY YEL 120V

DE1 [ZONE 4 EM]

∀YEL 120V

ZONE 4

ZONE 3

DAYLIGHT HARVESTING WIRING DIAGRAM - GYM

BLUE - 010V DIM

N WHITE

DE1 [ZONE 3 EM DL]

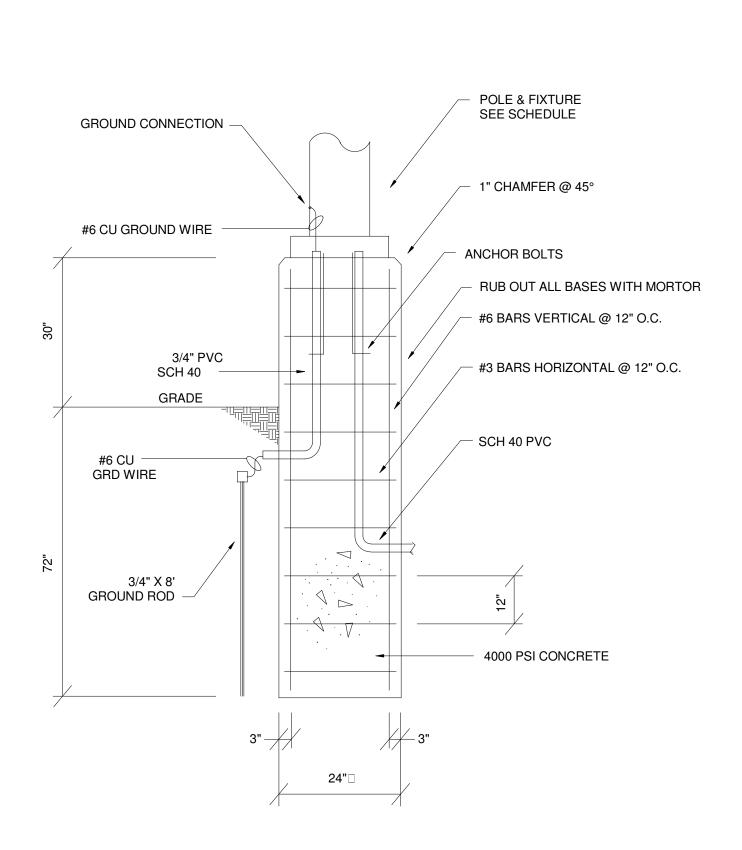
H BLK 120277V

BLUE - 010V DIM

— H BLK 120277V

N WHITE

→ ORG 277V



FIXTURE BASE
N.T.S.

PROJECT NO 2203-1 DRAWN BY KVE CHECKED BY TJC

> DAYLIGHT HARVESTING WIRING DIAGRAM AND SCHEDULE

> > E-406