

BRIDGE SPAN IS DIVIDED INTO COLOR ZONES CORRESPONDING TO A NODES-PER STRUT METRIC. EACH STRUT FALLING WITHIN ZONE A CONTAINS 48 LED'S PER STRUT, ZONE B CONTAINS 46 LED'S PER STRUT, ZONE C 44, ETC.

BRIDGE CEILING IS RAKED TOWARD THE MIDSPAN. THE LENGTH OF EACH STRUT IS CALIBRATED TO COUNTERACT THIS SLOPE SO THAT ALL STRUTS TERMINATE AT A COMMON DISTANCE ABOVE THE BRIDGE FLOOR -CURRENTLY DRAWN AT +9' ABOVE THE BRIDGE FLOOR.

STRUT LENGTHS VARY FROM 40" AT THE MIDSPAN AND 55" AT THE OUTSIDE ENDS

LED NODES ARE SPACED ON 2" CENTERS ALONG TWO OPPOSING FACES OF THE STRUT. LED'S FACE HOWARD STREET IN BOTH DIRECTIONS. THE LED NODE PROTRUDES BEYOND THE FACE OF THE STRUT SO THE EDGE LIT SIDES OF THE NODES ARE EDGE-VISIBLE TO PEDESTRIAN TRAFFIC ON THE BRIDGE.

**DRIVE COMPUTER+ETHERNET SWITCH LOCATION:**

NOTE: SECURITY MEASURES MUST BE TAKEN TO PROTECT AGAINST TAMPERING WITH ELECTRONICS IN THE CLOSET, ie SMALL SECURITY CAGE WITH LOCK.

ETHERNET CABLES WILL BEGINNING AT THE SWITCH WILL BE ROUTED TO EACH OF 67 LOCAL SWITCHES LOCATED BETWEEN EACH ROW OF HORIZONTAL BEAMS. EACH LOCAL SWITCH DELIVERS DATA TO 7 PDS'S

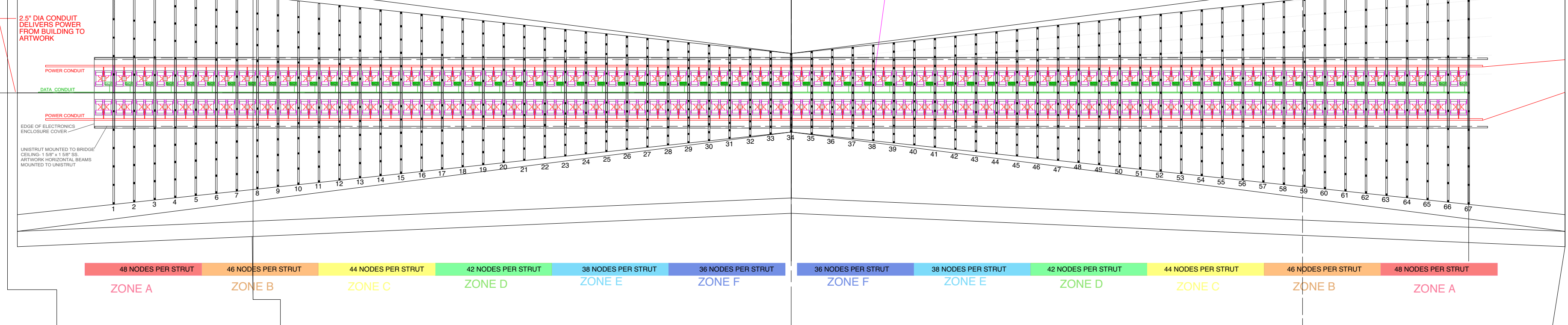
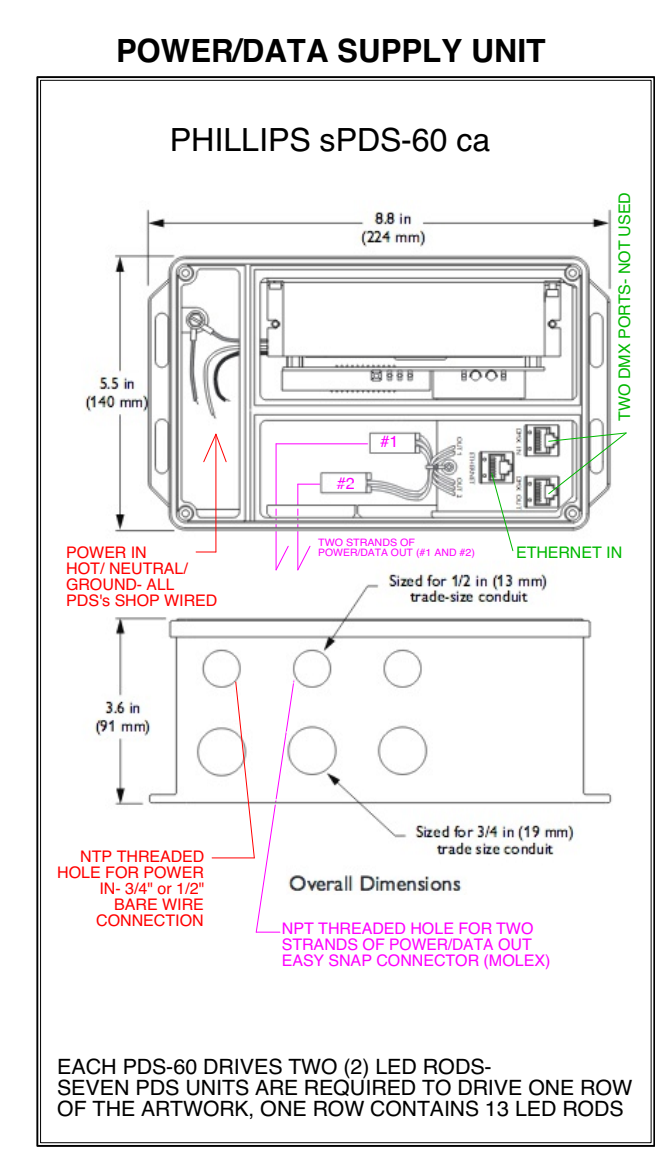
NOTE: THE SYSTEM REQUIRES AN INTERNET CONNECTION IN THE DATA CLOSET

DRIVE COMPUTER AND MAIN ETHERNET SWITCH LOCATED IN THE DATA CLOSET.

**PDS UNITS (POWER&DATA SUPPLIES):**  
SEVEN (7) PHILIPS PDS-60 UNITS WILL BE USED TO POWER EACH ROW OF 13 LED CHANNELS. EACH PDS UNIT DRIVES TWO (2) LED CHANNELS MAX.

TOTAL PDS COUNT= 469 UNITS

TOTAL LED CHANNELS= 871



**POWER DISTRIBUTION TO POWER SIXTY SEVEN PDS-60 UNIT:**

ARTWORK HORIZONTAL BEAMS ARE NOTCHED TO ALLOW PASSAGE OF TWO (2) ELECTRICAL CONDUITS 2" DIA EACH

THE PDS PERFORMS TWO BASIC FUNCTIONS 1) COVERTS AC SUPPLY POWER TO 7.5V DC 2) DELIVERS DATA TO THE LEDS

**MAX INPUT CURRENT: 1.5 AMPS @120VT OR .75AMPS AT 240VT**

**MAX OUTPUT CURRENT: 62 WATTS**

EACH OF THE 67 ROWS OF THE ARTWORK CONTAINS 13 LED CHANNELS, EACH CONTAINING ONE STRAND OF LED'S

EACH PDS-60 UNIT CAN DRIVE JUST 2 CHANNELS OF LED'S. THEREFORE EACH ROW REQUIRES SEVEN (7) PDS-60 UNITS

PLEASE NOTE: ACTUAL POWER DRAW MAY BE ESTIMATED AFTER FULL SYSTEMS REVIEW BY ELECTRICAL ENGINEERS.

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SCULPTURE : PLAN + FRONT ELEVATION

SOM

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1/8" = 1'-0" WHEN PRINTED 24"x36"