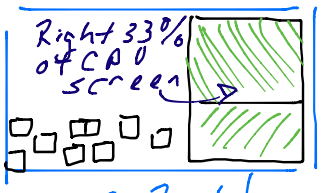
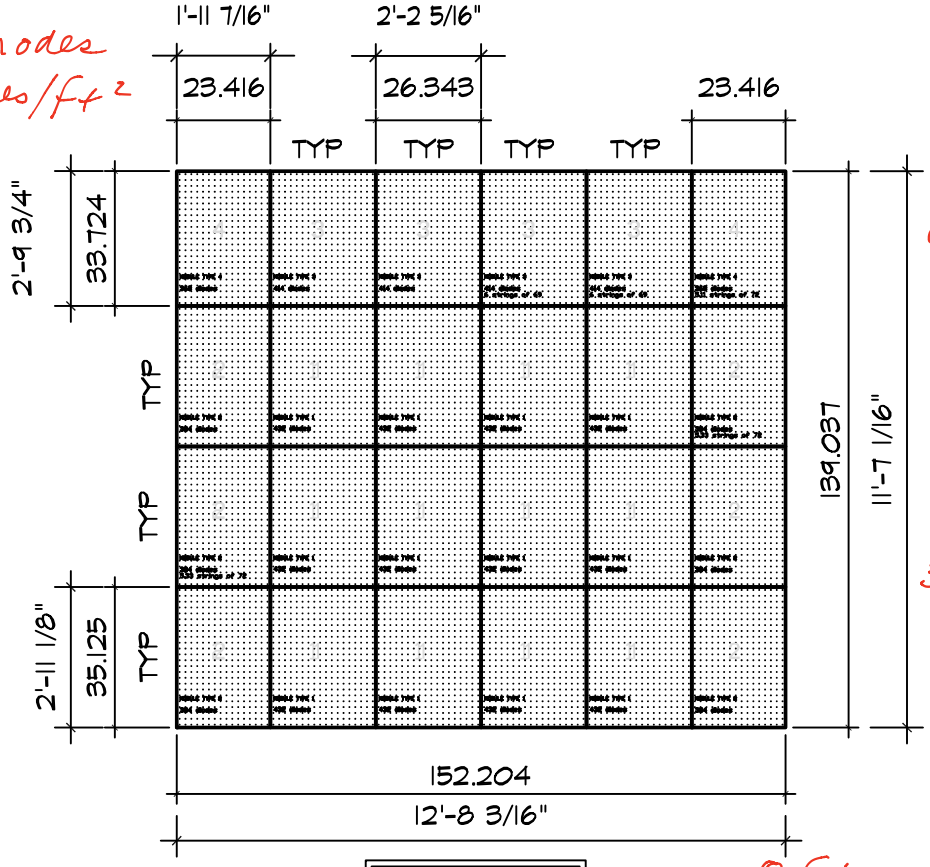
768



1024
Native
Resolution

Café Total: 357 ft²
24,024 nodes
67 nodes/ft²

Lobby: 60 ft²
2160 nodes
36 nodes/ft²



Wall: 147 ft²
9,984 nodes
41.6%

(96+135)/768 = .301
96/.301 = 318
135/.301 = 448

3.3247

11.6 ft
96 nodes
317 pixel
equivalent

12 Type 1 panels = 72 strings
6 Type 2 panels = 36 strings
4 Type 3 panels = 24 strings
2 Type 4 panels = 12 strings
TOTAL = 144 STRINGS

ALL WALL STRINGS REQUIRE 100FT LEADER CABLES

Wall:
9,984 node

12.68 ft
104 nodes
347 pixel
equivalents

LED WALL ARRAY

Total Pixel Equivalency:

347 × 768
Pixel

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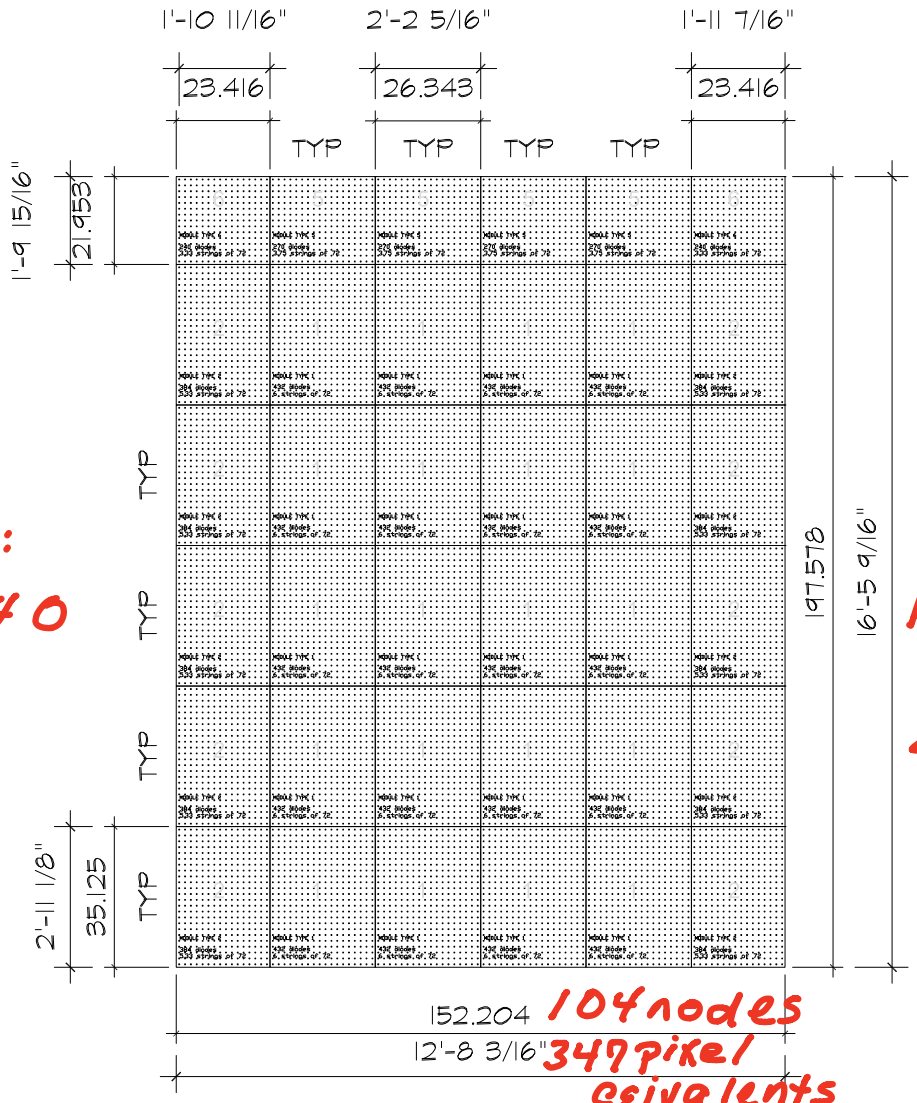
Yale University
15 Prospect Street

Becton Center for
Engineering Innovation & Design

DRAWING
LED 1
DATE: 11 MAY 2012
REV 17 MAY 2012



LED CEILING ARRAY

Ceiling: 14,040 n

58.4%

16.46 ft

135 nodes

451 pixel equivalents

104 nodes

347 pixel equivalents

total "ht" 28.05 ft

231 nodes

768 pixel equivalents

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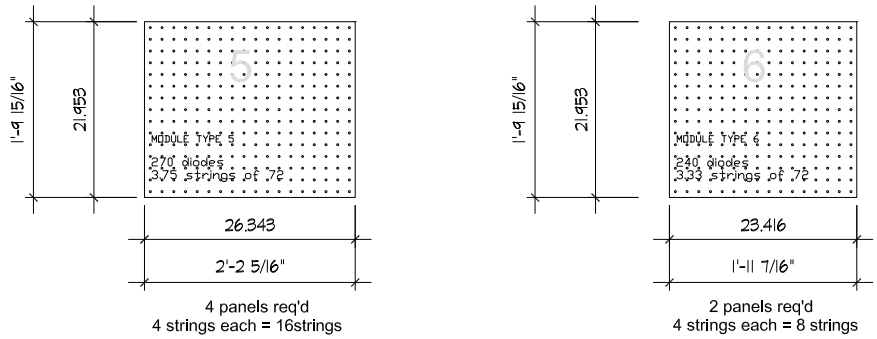
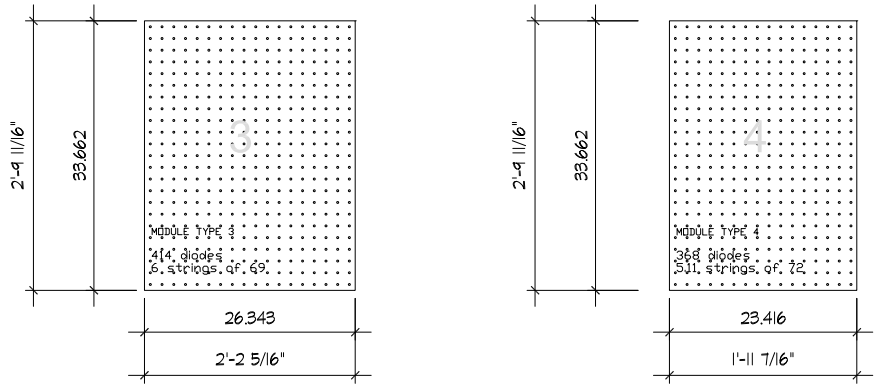
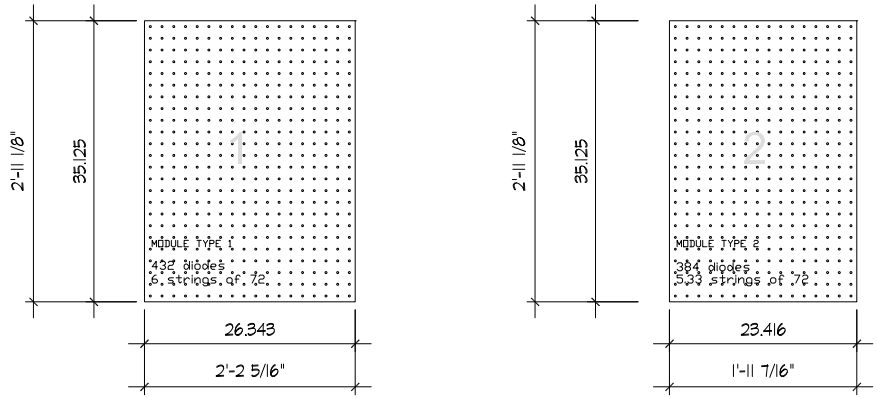
DRAWING

LED 2

DATE: 11 MAY 2012







TOTAL = 60 panels
TOTAL = 348 strings

LED PANELS

diodes @ 1.4635" on center h & v

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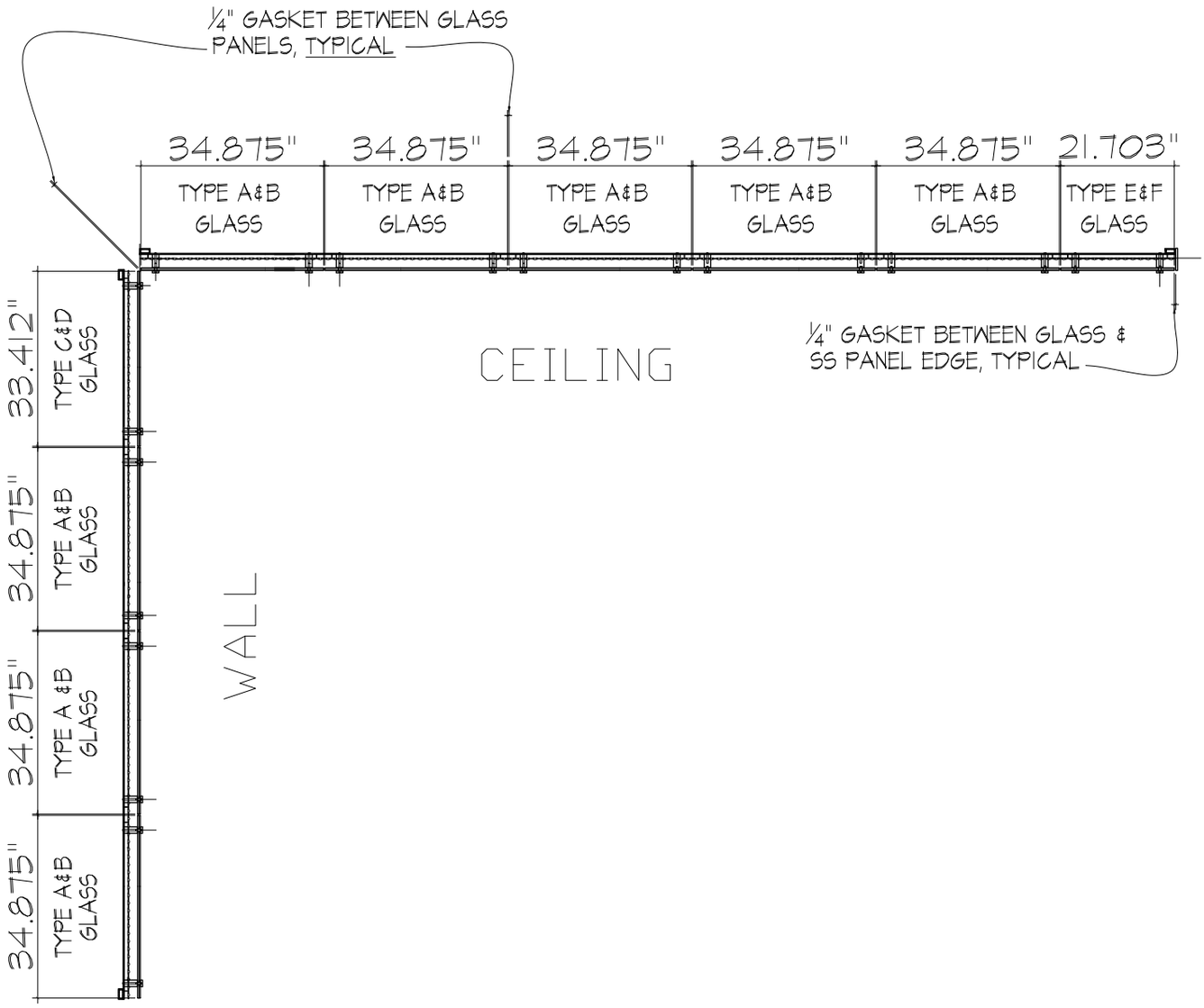
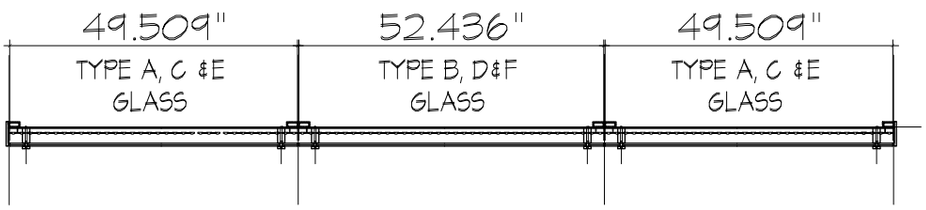
DRAWING
LED 3
DATE: 11 MAY 2012



E/W SECTION thru LED PANELS

1/2" = 1'-0"



N/S PLAN DETAIL thru LED WALL PANEL

N/S SECTION DETAIL thru LED CEILING PANELS

1/2" = 1'-0"

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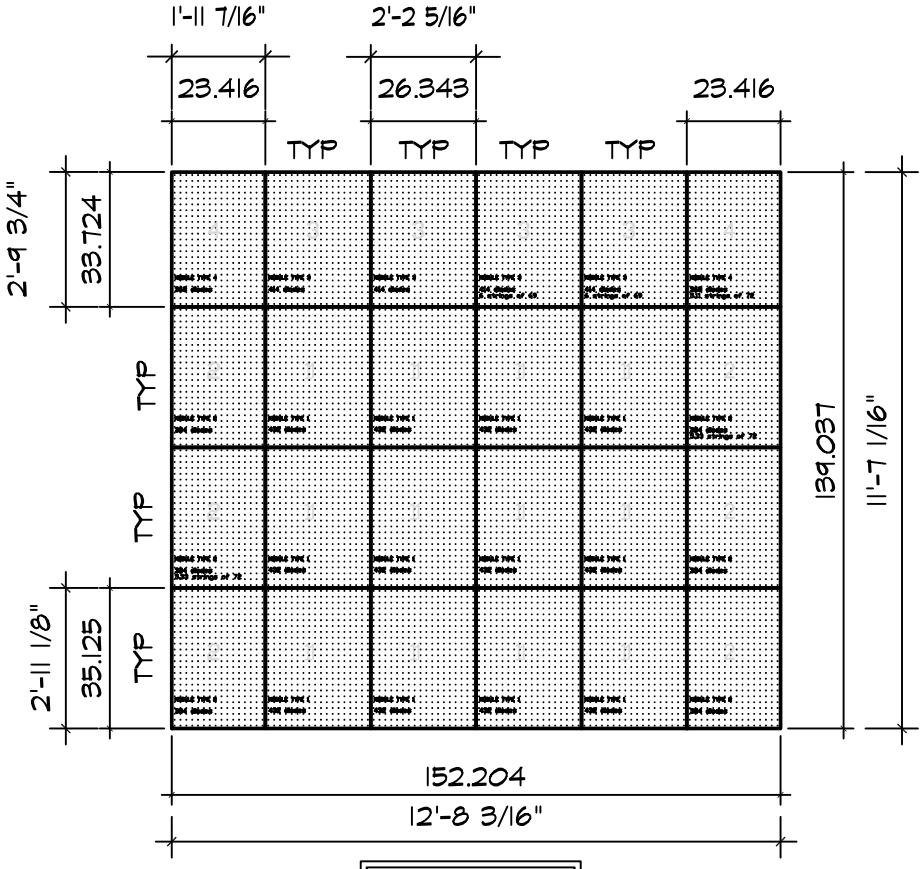
DRAWING
LED 10.3
DATE: 21JULY2012



12 Type 1 panels = 72 strings
6 Type 2 panels = 36 strings
4 Type 3 panels = 24 strings
2 Type 4 panels = 12 strings
TOTAL = 144 STRINGS

ALL WALL STRINGS REQUIRE 100FT LEADER CABLES

LED WALL ARRAY

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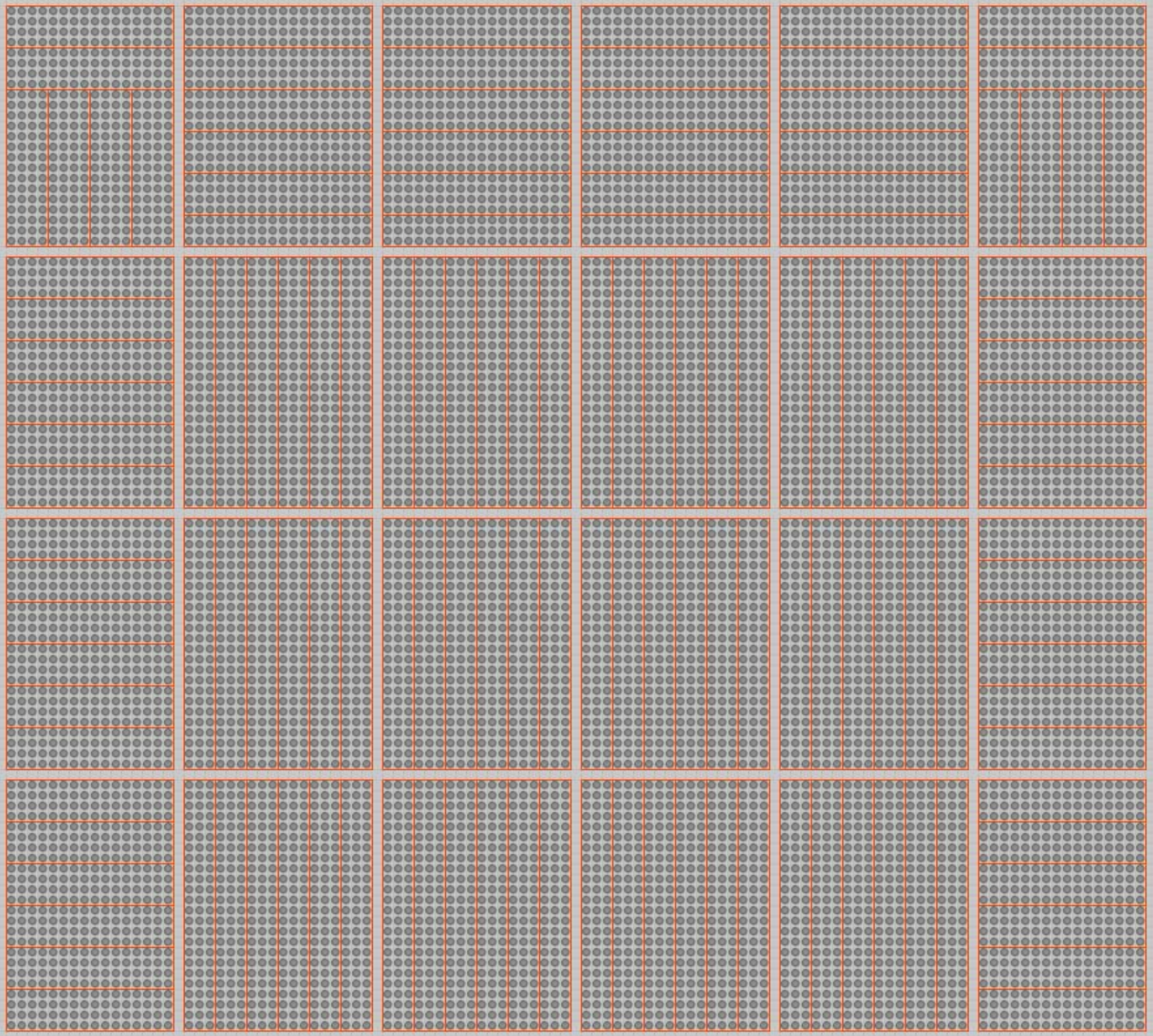
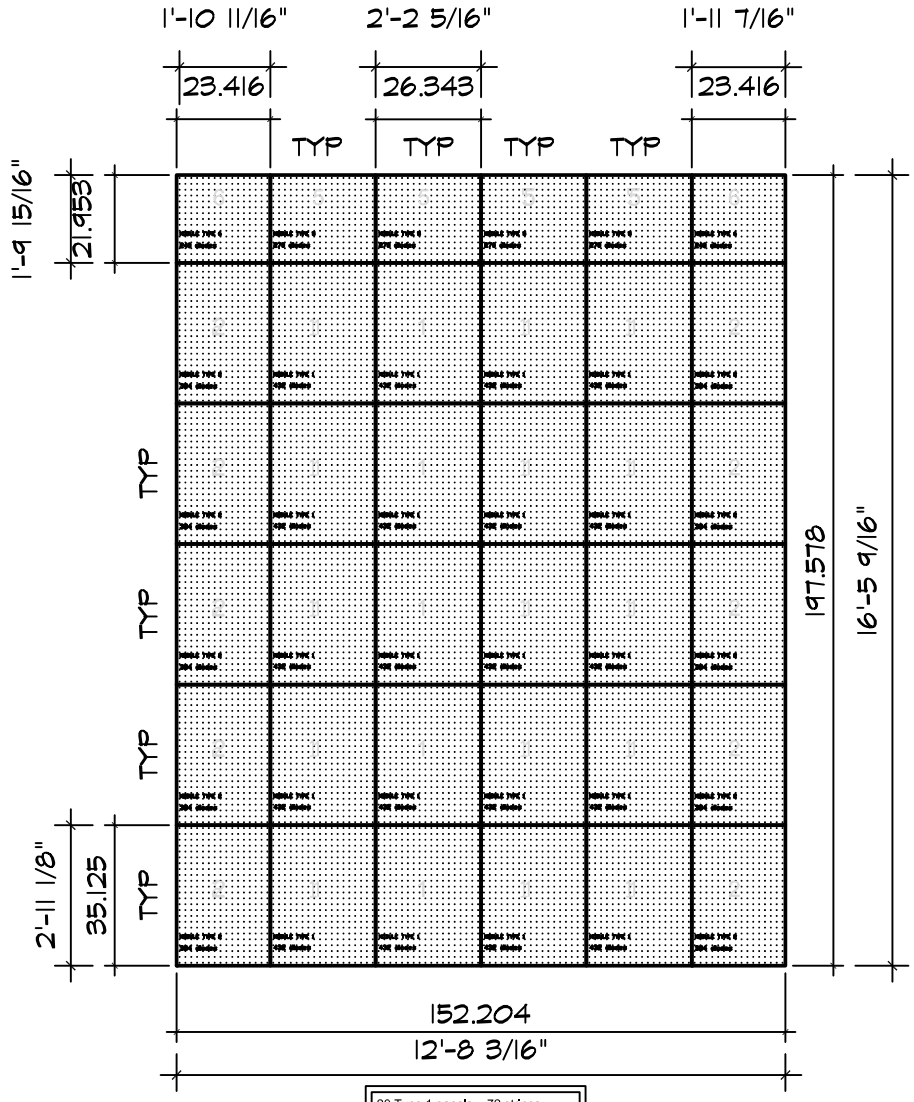
DRAWING
LED 1
DATE: 11 MAY 2012
REV 17 MAY 2012





20 Type 1 panels = 72 strings
10 Type 2 panels = 60 strings
4 Type 5 panels = 16 strings
2 Type 6 panels = 8 strings
TOTAL = 204 STRINGS

ALL CEILING STRINGS REQUIRE 50FT LEADER CABLES

LED CEILING ARRAY

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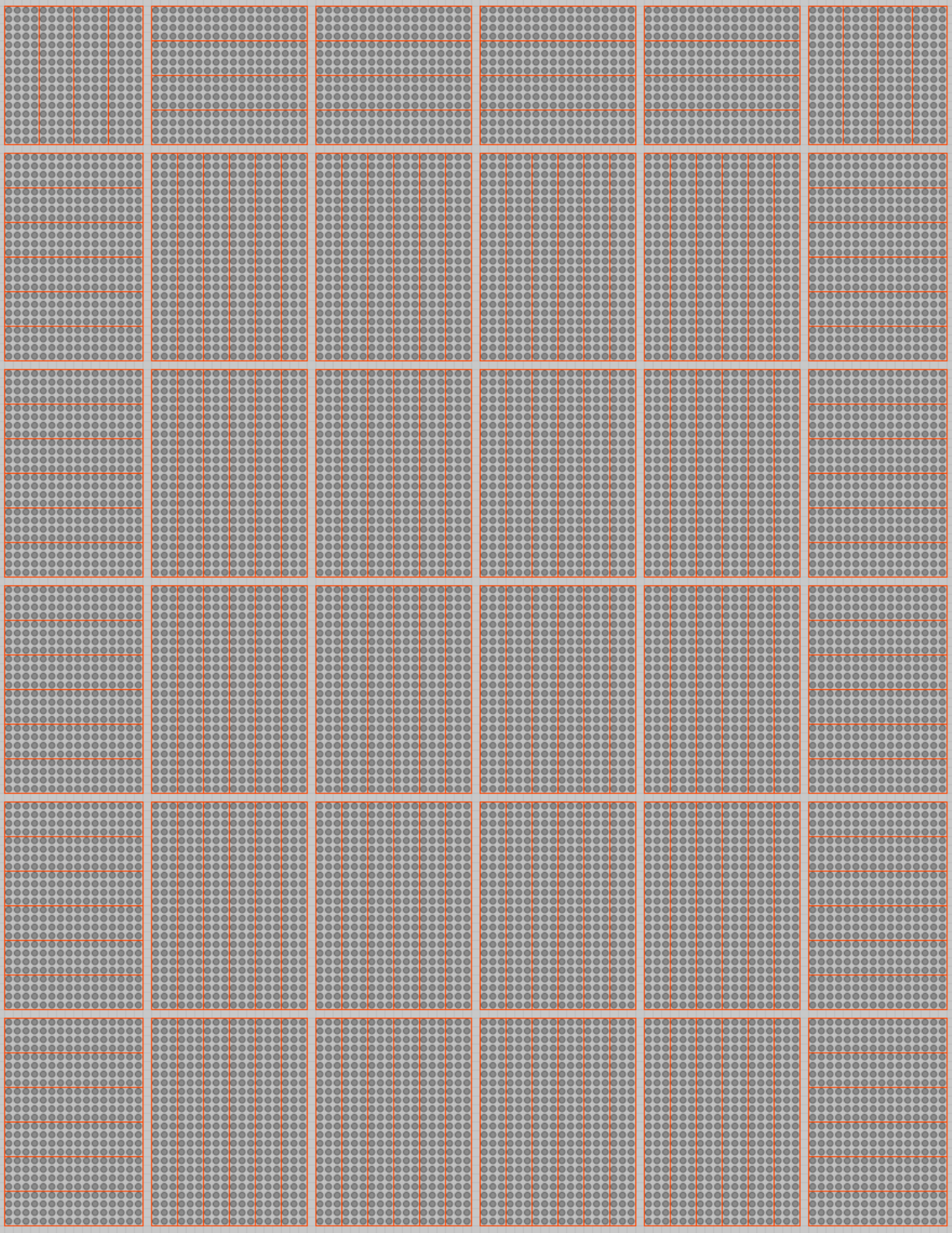
DRAWING

LED 2

DATE: 11 MAY 2012
REV 17 MAY 2012

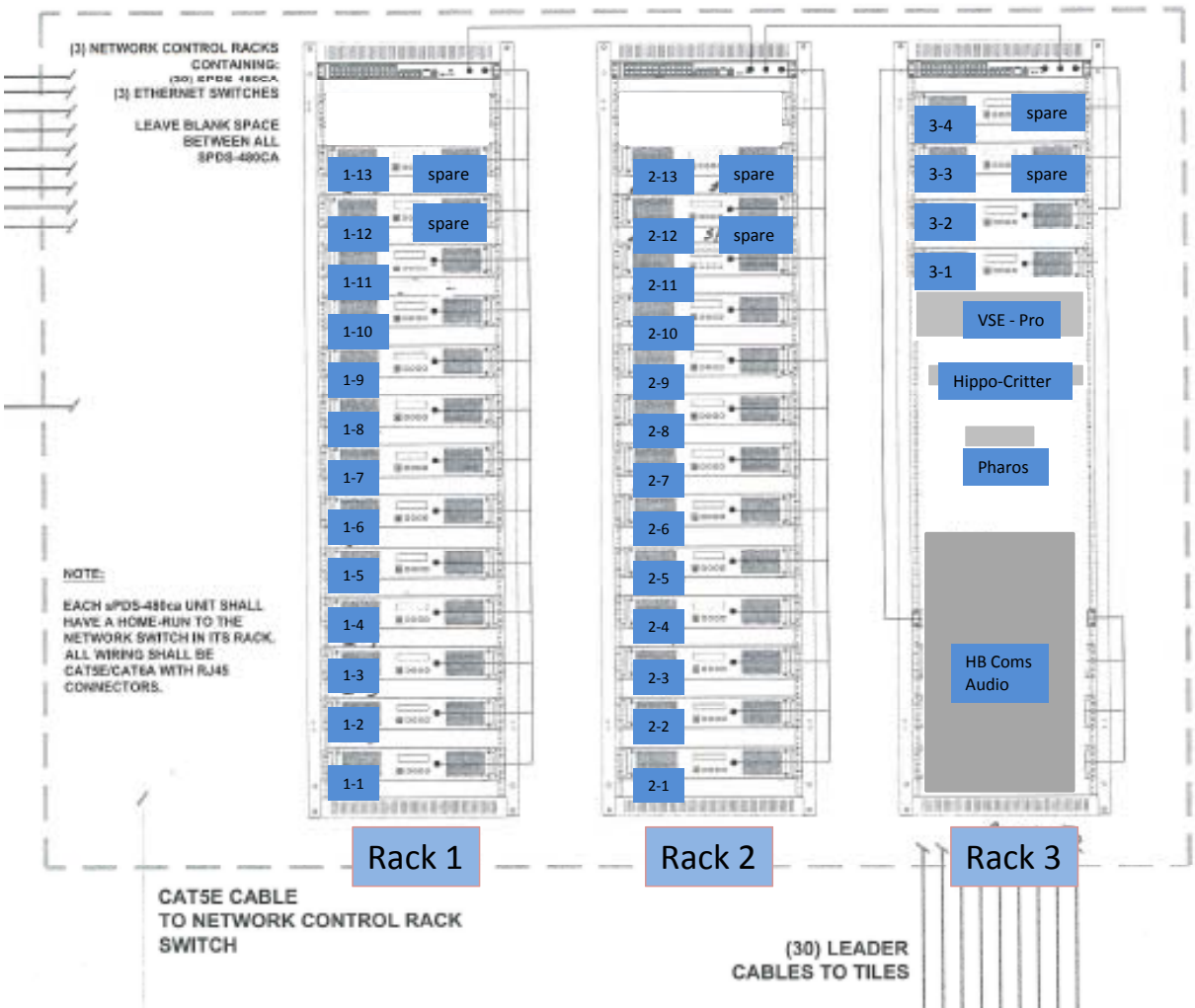


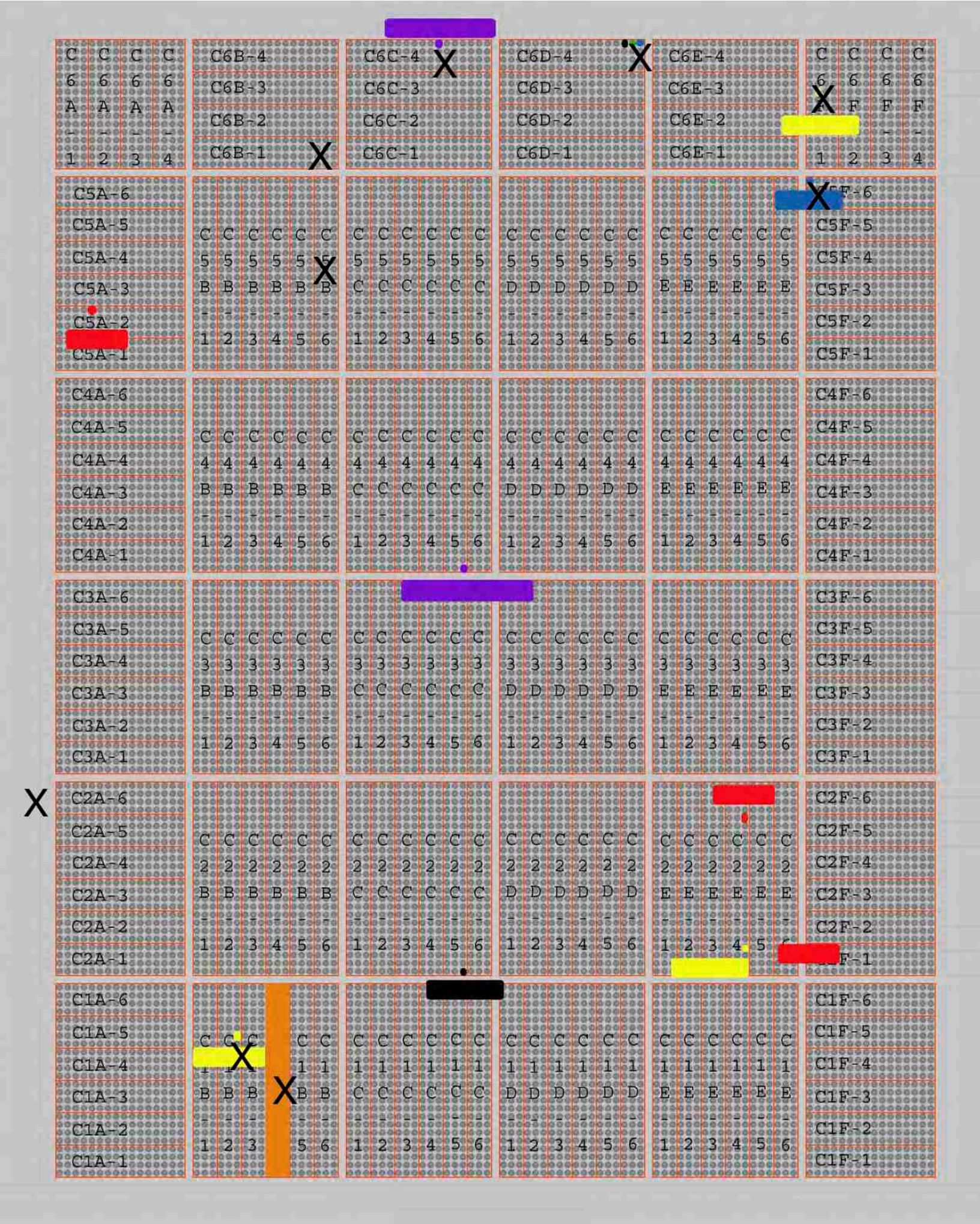
Yale LED Project - LED Panel to Power/Data Supply Port Map

		Power/Data Supply	Power/Data Supply Ports															
		IP-Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rack 1	Power/Data Supply 1-13	10.3.201.177	SPARE															
	Power/Data Supply 1-12	10.3.201.196	SPARE															
	Power/Data Supply 1-11	10.3.201.172			C6D-1	C6D-2	C6D-3	C6D-4			C6E-1	C6E-2	C6E-3	C6E-4				
	Power/Data Supply 1-10	10.3.201.185	C6A-1	C6A-2	C6A-3	C6A-4			C6B-1	C6B-2	C6B-3	C6B-4			C6C-1	C6C-2	C6C-3	C6C-4
	Power/Data Supply 1-9	10.3.211.151	W4D-3	W4D-4	W4D-5	W4D-6	W4E-1	WEF-2	WEF-3	WEF-4	WEF-5	WEF-6	W4F-1	W4F-2	W4F-3	W4F-4	W4F-5	W4F-6
	Power/Data Supply 1-8	10.3.211.141	W4A-5	W4A-6	W4B-1	W4B-2	W4B-3	W4B-4	W4B-5	W4B-6	W4C-1	W4C-2	W4C-3	W4C-4	W4C-5	W4C-6	W4D-1	W4D-2
	Power/Data Supply 1-7	10.3.201.194	W3E-1	W3E-2	W3E-3	W3E-4	W3E-5	W3E-6	W3F-1	W3F-2	W3F-3	W3F-4	W3F-5	W3F-6	W4A-1	W4A-2	W4A-3	W4A-4
	Power/Data Supply 1-6	10.3.201.171	W3B-3	W3B-4	W3B-5	W3B-6	W3C-1	W3C-2	W3C-3	W3C-4	W3C-5	W3C-6	W3D-1	W3D-2	W3D-3	W3D-4	W3D-5	W3D-6
	Power/Data Supply 1-5	10.3.201.163	W2E-5	W2E-6	W2F-1	W2F-2	W2F-3	W2F-4	W2F-5	W2F-6	W3A-1	W3A-2	W3A-3	W3A-4	W3A-5	W3A-6	W3B-1	W3B-2
	Power/Data Supply 1-4	10.3.201.155	W2C-1	W2C-2	W2C-3	W2C-4	W2C-5	W2C-6	W2D-1	W2D-2	W2D-3	W2D-4	W2D-5	W2D-6	W2E-1	W2E-2	W2E-3	W2E-4
	Power/Data Supply 1-3	10.3.201.169	W1F-3	W1F-4	W1F-5	W1F-6	W2A-1	W2A-2	W2A-3	W2A-4	W2A-5	W2A-6	W2B-1	W2B-2	W2B-3	W2B-4	W2B-5	W2B-6
	Power/Data Supply 1-2	10.3.201.167	W1C-5	W1C-6	W1D-1	W1D-2	W1D-3	W1D-4	W1D-5	W1D-6	W1E-1	W1E-2	W1E-3	W1E-4	W1E-5	W1E-6	W1F-1	W1F-2
	Power/Data Supply 1-1	10.3.211.190	W1A-1	W1A-2	W1A-3	W1A-4	W1A-5	W1A-6	W1B-1	W1B-2	W1B-3	W1B-4	W1B-5	W1B-6	W1C-1	W1C-2	W1C-3	W1C-4
Rack 2	Power/Data Supply 2-13	10.3.201.180	***C1E-3***	***C1E-4***	***C1E-5***	***C1E-6***	***C1F-1****	***C1F-2***	***C1F-3***	***C1F-4***	***C1F-5***	***C1F-6***						
	Power/Data Supply 2-12	10.3.201.181	***C1B-5***	***C1B-6***	***C1C-1***	***C1C-2***	***C1C-3***	***C1C-4***	***C1C-5***	***C1C-6***	***C1D-1***	***C1D-2***	***C1D-3***	***C1D-4***	***C1D-5***	***C1D-6***	***C1E-1****	***C1E-2***
	Power/Data Supply 2-11	10.3.201.191	C2F-1	C2F-2	C2F-3	C2F-4	C2F-5	C2F-6	C1A-1	C1A-2	C1A-3	C1A-4	***C1A-5***	***C1A-6***	***C1B-1***	***C1B-2***	***C1B-3***	***C1B-4***
	Power/Data Supply 2-10	10.3.201.182	C2C-3	C2C-4	C2C-5	C2C-6	C2D-1	C2D-2	C2D-3	C2D-4	C2D-5	C2D-6	C2E-1	C2E-2	C2E-3	C2E-4	C2E-5	C2E-6
	Power/Data Supply 2-9	10.3.211.160	C3F-5	C3F-6	C2A-1	C2A-2	C2A-3	C2A-4	C2A-5	C2A-6	C2B-1	C2B-2	C2B-3	C2B-4	C2B-5	C2B-6	C2C-1	C2C-2
	Power/Data Supply 2-8	10.3.211.172	C3D-1	C3D-2	C3D-3	C3D-4	C3D-5	C3D-6	C3E-1	C3E-2	C3E-3	C3E-4	C3E-5	C3E-6	C3F-1	C3F-2	C3F-3	C3F-4
	Power/Data Supply 2-7	10.3.201.176	C3A-3	C3A-4	C3A-5	C3A-6	C3B-1	C3B-2	C3B-3	C3B-4	C3B-5	C3B-6	C3C-1	C3C-2	C3C-3	C3C-4	C3C-5	C3C-6
	Power/Data Supply 2-6	10.3.201.164	C4D-5	C4D-6	C4E-1	C4E-2	C4E-3	C4E-4	C4E-5	C4E-6	C4F-1	C4F-2	C4F-3	C4F-4	C4F-5	C4F-6	C3A-1	C3A-2
	Power/Data Supply 2-5	10.3.201.188	C4B-1	C4B-2	C4B-3	C4B-4	C4B-5	C4B-6	C4C-1	C4C-2	C4C-3	C4C-4	C4C-5	C4C-6	C4D-1	C4D-2	C4D-3	C4D-4
	Power/Data Supply 2-4	10.3.211.189	C5E-3	C5E-4	C5E-5	C5E-6	C5F-1	C5F-2	C5F-3	C5F-4	C5F-5	C5F-6	C4A-1	C4A-2	C3A-3	C3A-4	C3A-5	C3A-6
	Power/Data Supply 2-3	10.3.201.158	C5B-5	C5B-6	C5C-1	C5C-2	C5C-3	C5C-4	C5C-5	C5C-6	C5D-1	C5D-2	C5D-3	C5D-4	C5D-5	C5D-6	C5E-1	C5E-2
	Power/Data Supply 2-2	10.3.201.170	C6F-1	C6F-2	C6F-3	C6F-4			C5A-1	C5A-2	C5A-3	C5A-4	C5A-5	C5A-6	C5B-1	C5B-2	C5B-3	C5B-4
	Power/Data Supply 2-1	10.3.211.64	Wrong unit shipped & installed - to be pulled and replaced (sPDS-480ca 7.5V needed not 24V)															
Rack 3	Power/Data Supply 3-4	10.3.201.179	Lobby 9-1	Lobby 9-2	Lobby 10-1	Lobby 10-2	Lobby 11-1	Lobby 11-2	Lobby 12-1	Lobby 12-2	Lobby 13-1	Lobby 13-2	Lobby 14-1	Lobby 14-2	Lobby 15-1	Lobby 15-2		
	Power/Data Supply 3-3	10.3.201.168	Lobby 1-1	Lobby 1-2	Lobby 2-1	Lobby 2-2	Lobby 3-1	Lobby 3-2	Lobby 4-1	Lobby 4-2	Lobby 5-1	Lobby 5-2	Lobby 6-1	Lobby 6-2	Lobby 7-1	Lobby 7-2	Lobby 8-1	Lobby 8-2
	Power/Data Supply 3-2	10.3.201.174	SPARE															
	Power/Data Supply 3-1	10.3.211.129	Wrong unit shipped & installed - to be pulled and replaced (sPDS-480ca 7.5V needed not 24V)															

Note italicized wires require replugging into PDS from original locations

EQUIPMENT SPACE

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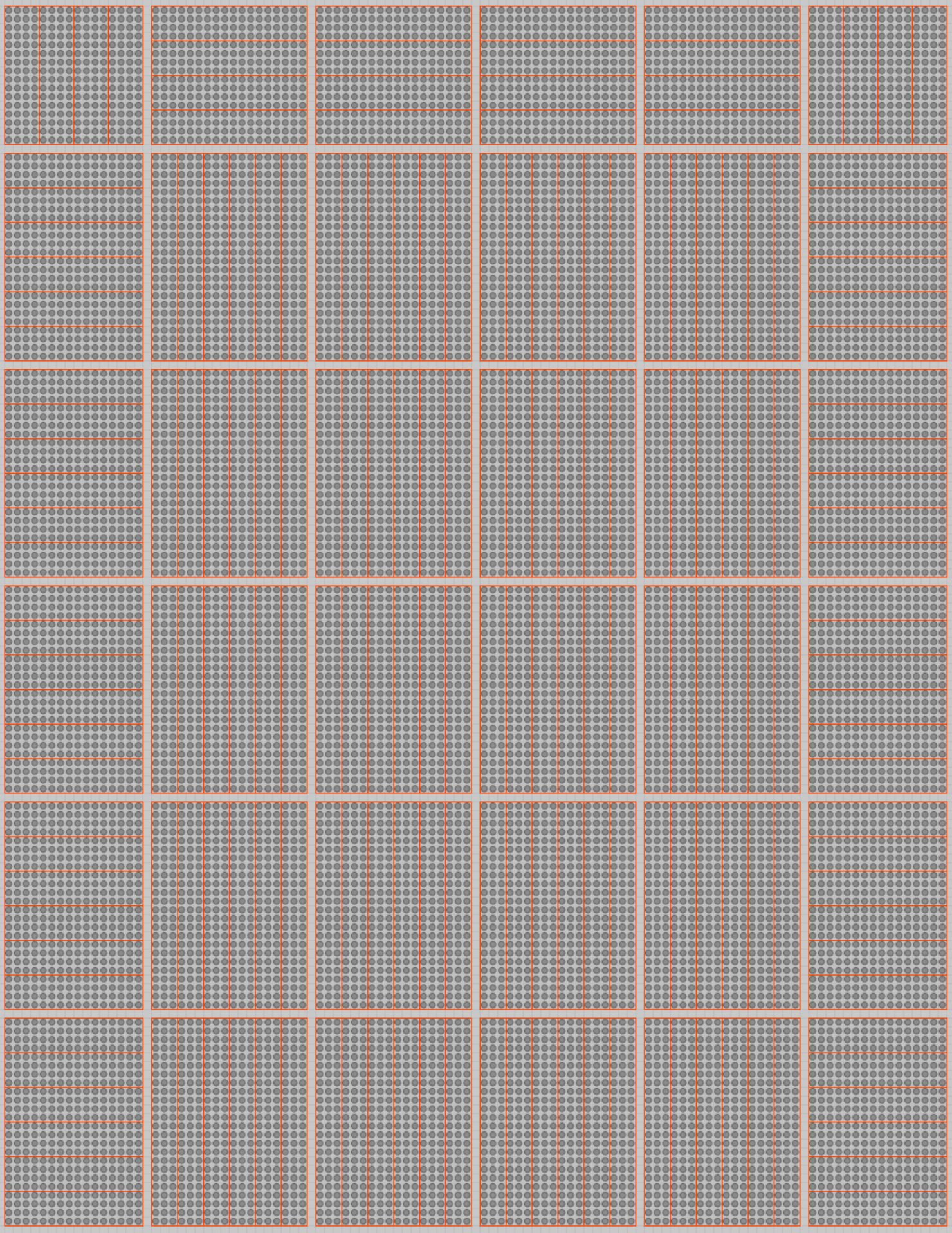

Yale LED Project - LED Panel to Power/Data Supply Port Map

		Power/Data Supply	Power/Data Supply Ports															
		IP-Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rack 1	Power/Data Supply 1-13	10.3.201.177	SPARE															
	Power/Data Supply 1-12	10.3.201.196	SPARE															
	Power/Data Supply 1-11	10.3.201.172	C1C-5	C1C-6	C1D-1	C1D-2	C1D-3	C1D-4	C1D-5	C1D-6	C1E-1	C1E-2	C1E-3	C1E-4	C1E-5	C1E-6		
	Power/Data Supply 1-10	10.3.201.185	C1A-1	C1A-2	C1A-3	C1A-4	C1A-5	C1A-6	C1B-1	C1B-2	C1B-3	C1B-4	C1B-5	C1B-6	C1C-1	C1C-2	C1C-3	C1C-4
	Power/Data Supply 1-9	10.3.211.151	W4D-3	W4D-4	W4D-5	W4D-6	W4E-1	WEF-2	WEF-3	WEF-4	WEF-5	WEF-6	W4F-1	W4F-2	W4F-3	W4F-4	W4F-5	W4F-6
	Power/Data Supply 1-8	10.3.211.141	W4A-5	W4A-6	W4B-1	W4B-2	W4B-3	W4B-4	W4B-5	W4B-6	W4C-1	W4C-2	W4C-3	W4C-4	W4C-5	W4C-6	W4D-1	W4D-2
	Power/Data Supply 1-7	10.3.201.194	W3E-1	W3E-2	W3E-3	W3E-4	W3E-5	W3E-6	W3F-1	W3F-2	W3F-3	W3F-4	W3F-5	W3F-6	W4A-1	W4A-2	W4A-3	W4A-4
	Power/Data Supply 1-6	10.3.201.171	W3B-3	W3B-4	W3B-5	W3B-6	W3C-1	W3C-2	W3C-3	W3C-4	W3C-5	W3C-6	W3D-1	W3D-2	W3D-3	W3D-4	W3D-5	W3D-6
	Power/Data Supply 1-5	10.3.201.163	W2E-5	W2E-6	W2F-1	W2F-2	W2F-3	W2F-4	W2F-5	W2F-6	W3A-1	W3A-2	W3A-3	W3A-4	W3A-5	W3A-6	W3B-1	W3B-2
	Power/Data Supply 1-4	10.3.201.155	W2C-1	W2C-2	W2C-3	W2C-4	W2C-5	W2C-6	W2D-1	W2D-2	W2D-3	W2D-4	W2D-5	W2D-6	W2E-1	W2E-2	W2E-3	W2E-4
	Power/Data Supply 1-3	10.3.201.169	W1F-3	W1F-4	W1F-5	W1F-6	W2A-1	W2A-2	W2A-3	W2A-4	W2A-5	W2A-6	W2B-1	W2B-2	W2B-3	W2B-4	W2B-5	W2B-6
	Power/Data Supply 1-2	10.3.201.167	W1C-5	W1C-6	W1D-1	W1D-2	W1D-3	W1D-4	W1D-5	W1D-6	W1E-1	W1E-2	W1E-3	W1E-4	W1E-5	W1E-6	W1F-1	W1F-2
	Power/Data Supply 1-1	10.3.211.190	W1A-1	W1A-2	W1A-3	W1A-4	W1A-5	W1A-6	W1B-1	W1B-2	W1B-3	W1B-4	W1B-5	W1B-6	W1C-1	W1C-2	W1C-3	W1C-4
Rack 2	Power/Data Supply 2-13	10.3.201.180	SPARE															
	Power/Data Supply 2-12	10.3.201.181	C6C-3	C6C-4	C6D-1	C6D-2	C6D-3	C6D-4	C6F-1*	C6F-2	C6F-3	C6F-4	C6E-1*	C6E-2	C6E-3	C6E-4		
	Power/Data Supply 2-11	10.3.201.191	C5F-1	C5F-2	C5F-3	C5F-4	C5F-5	C5F-6	C6A-1	C6A-2	C6A-3	C6A-4	C6B-1	C6B-2	C6B-3	C6B-4	C6C-1	C6C-2
	Power/Data Supply 2-10	10.3.201.182	C5C-3	C5C-4	C5C-5	C5C-6	C5D-1	C5D-2	C5D-3	C5D-4	C5D-5	C5D-6	C5E-1	C5E-2	C5E-3	C5E-4	C5E-5	C5E-6
	Power/Data Supply 2-9	10.3.211.160	C4F-5	C4F-6	C5A-1	C5A-2	C5A-3	C5A-4	C5A-5	C5A-6	C5B-1	C5B-2	C5B-3	C5B-4	C5B-5	C5B-6	C5C-1	C5C-2
	Power/Data Supply 2-8	10.3.211.172	C4D-1	C4D-2	C4D-3	C4D-4	C4D-5	C4D-6	C4E-1	C4E-2	C4E-3	C4E-4	C4E-5	C4E-6	C4F-1	C4F-2	C4F-3	C4F-4
	Power/Data Supply 2-7	10.3.201.176	C4A-3	C4A-4	C4A-5	C4A-6	C4B-1	C4B-2	C4B-3	C4B-4	C4B-5	C4B-6	C4C-1	C4C-2	C4C-3	C4C-4	C4C-5	C4C-6
	Power/Data Supply 2-6	10.3.201.164	C3D-5	C3D-6	C3E-1	C3E-2	C3E-3	C3E-4	C3E-5	C3E-6	C3F-1	C3F-2	C3F-3	C3F-4	C3F-5	C3F-6	C4A-1	C4A-2
	Power/Data Supply 2-5	10.3.201.188	C3B-1	C3B-2	C3B-3	C3B-4	C3B-5	C3B-6	C3C-1	C3C-2	C3C-3	C3C-4	C3C-5	C3C-6	C3D-1	C3D-2	C3D-3	C3D-4
	Power/Data Supply 2-4	10.3.211.189	C2E-3	C2E-4	C2E-5	C2E-6	C2F-1	C2F-2	C2F-3	C2F-4	C2F-5	C2F-6	C3A-1	C3A-2	C3A-3	C3A-4	C3A-5	C3A-6
	Power/Data Supply 2-3	10.3.201.158	C2B-5	C2B-6	C2C-1	C2C-2	C2C-3	C2C-4	C2C-5	C2C-6	C2D-1	C2D-2	C2D-3	C2D-4	C2D-5	C2D-6	C2E-1	C2E-2
	Power/Data Supply 2-2	10.3.201.170	C1F-1	C1F-2	C1F-3	C1F-4	C1F-5	C1F-6	C2A-1	C2A-2	C2A-3	C2A-4	C2A-5	C2A-6	C2B-1	C2B-2	C2B-3	C2B-4
	Power/Data Supply 2-1	10.3.211.64	Wrong unit shipped & installed - to be pulled and replaced (sPDS-480ca 7.5V needed not 24V)															
Rack 3	Power/Data Supply 3-4	10.3.201.179	Lobby 9-1	Lobby 9-2	Lobby 10-1	Lobby 10-2	Lobby 11-1	Lobby 11-2	Lobby 12-1	Lobby 12-2	Lobby 13-1	Lobby 13-2	Lobby 14-1	Lobby 14-2	Lobby 15-1	Lobby 15-2		
	Power/Data Supply 3-3	10.3.201.168	Lobby 1-1	Lobby 1-2	Lobby 2-1	Lobby 2-2	Lobby 3-1	Lobby 3-2	Lobby 4-1	Lobby 4-2	Lobby 5-1	Lobby 5-2	Lobby 6-1	Lobby 6-2	Lobby 7-1	Lobby 7-2	Lobby 8-1	Lobby 8-2
	Power/Data Supply 3-2	10.3.201.174	SPARE															
	Power/Data Supply 3-1	10.3.211.129	Wrong unit shipped & installed - to be pulled and replaced (sPDS-480ca 7.5V needed not 24V)															