



PHX Sky Train
Stage 2 Design
500 S. 24th St.
Phoenix, AZ 85034

Subject: **Additional Perimeter Lighting**

Reference Document: **Bulletin 0010**

Dear Project Team,

Please review the Bulletin 0010 drawings for the additional perimeter roof lighting.

Bulletin 0010 was generated after an internal design review to the City of Phoenix, and associated drawing revisions have been made and are attached for review.

Additional scope for procurement of material and labor associated with this bulletin should be identified in your written narrative provided with your final cost proposal summary for the bulletin.

Provide final cost associated with the procurement and installation of the additional perimeter lighting fixtures. Track associated costs separately as outlined in the cost proposal summary form.

All additional costs associated with Bulletin 0010 will be tracked on the provided Cost Proposal Summary and submitted for final review by the owners project management team.

Sincerely,

City of Phoenix,

A handwritten signature in blue ink, appearing to read "Nate Farnsworth", with a long horizontal flourish extending to the right.

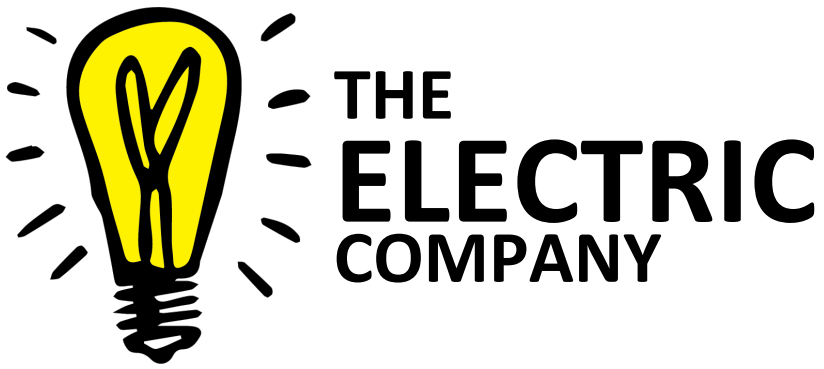
Project Manager

Bulletin 0010

Issue Date: August 17, 2018

<u>Sheet</u>	<u>Description</u>
TBAR1203	Clarify light fixture mounting
TBAR1204	Clarify light fixture mounting
TBAR1212	Clarify light fixture mounting
RBAR034B	Add detail tags to reference light fixture mounting details
RBAR1203	Clarify light fixture mounting
RBAR1205 (New Sheet)	Clarify light fixture mounting

Bulletin 0010: Reference drwg sheet 0052A - RBEL0314 for added perimeter lighting.



1487 Marvin Gardens
Monopoly, 98493

Subject: **Additional Perimeter Lighting Pricing and Installation**

Reference Document: **Bulletin 0010**

Dear Project Team,

In reviewing the Bulletin 0010 drawings that you have sent over, we have gathered information regarding fixture procurement and installation for this additional scope of work.

Fixture Pricing:

Our lighting supplier provided a price per linear ft. for the added Phillips Color Kinetics; iColor Accent MX Powercore Gen2 Fixture; \$4284.00 per 10LF. Per every 100ft. of fixture, a Phillips Lighting Driver Receiver needs to be provided; \$2264.00 per unit.

Labor Costs for Installation:

Labor costs provided in the Change Management Pricing Excel document are up to date and are applicable only to this pricing and scope of work.

Our Superintendent has provided the rate of .75 hrs per LF of fixture as our installation rate for this scope of work. We are anticipating a crew of (4) to complete the installation of work. Our current project schedule has our crews working standard 8hr days. Installation will require (4) hrs. of work to occur at night to coordinate light levels and adjust fixture orientation.

Standard equipment rates are provided but specialty equipment may be needed pending site conditions during construction. Additional equipment requirements if any, will need to be determined by the project team.

All pricing provided is associated with the procurement and installation of the additional roof perimeter lighting.

Sincerely,

The Electric Company

Lighting Labor Price Answer:

Leight Bulb
Project Manager

812' * .75 = 609 hrs. total

609 hrs / (4) = 152.25 ~ 153 153/8= 19.125 days per (1) crew member

V3	- 231	TBSB0625	24TH STREET STATION, STRUCTURAL,	ELEVATOR/STAIR TOWER SECTIONS
V3	- 232	TBSB0626	24TH STREET STATION, STRUCTURAL,	ELEVATOR/STAIR TOWER SECTIONS
V3	- 233	TBSB0627	24TH STREET STATION, STRUCTURAL,	ELEVATOR/STAIR TOWER SECTIONS
V3	- 234	TBSB0628	24TH STREET STATION, STRUCTURAL,	ELEVATOR/STAIR TOWER SECTIONS
V3	- 235	TBSB0629	24TH STREET STATION, STRUCTURAL,	ELEVATOR/STAIR TOWER SECTIONS
V3	- 236	TBSB0630	24TH STREET STATION, STRUCTURAL,	ENLARGED PLANS
V3	- 237	TBSB0631	24TH STREET STATION, STRUCTURAL,	ENLARGED LOW ROOF FRAMING PLAN
V3	- 238	TBSB0632	24TH STREET STATION, STRUCTURAL,	STRUCTURAL STAIR FRAMING
V3	- 239	TBSB0640	24TH STREET STATION, STRUCTURAL,	PARTIAL GUIDEWAY PLANS AND SECTIONS
V3	- 240	TBSB0710	24TH STREET STATION, STRUCTURAL,	FOUNDATION MISCELLANEOUS CONCRETE
V3	- 241	TBSB0720	24TH STREET STATION, STRUCTURAL,	FOUNDATION CONCRETE SLAB ON GRADE
V3	- 242	TBSB0721	24TH STREET STATION, STRUCTURAL,	FOUNDATION SECTIONS AND DETAILS
V3	- 243	TBSB0722	24TH STREET STATION, STRUCTURAL,	FOUNDATION SECTIONS AND DETAILS
V3	- 244	TBSB0723	24TH STREET STATION, STRUCTURAL,	SECTIONS AND DETAILS
V3	- 245	TBSB0730	24TH STREET STATION, STRUCTURAL,	FOUNDATION WALL FOOTINGS
V3	- 246	TBSB0810	24TH STREET STATION, STRUCTURAL,	MASONRY DETAILS I
V3	- 247	TBSB0830	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 247A	TBSB0831	24TH STREET STATION, STRUCTURAL,	CONCRETE FRAMING SECTIONS AND, DETAILS
V3	- 248	TBSB0902	24TH STREET STATION, STRUCTURAL,	FOUNDATION CONCRETE WALLS
V3	- 249	TBSB0903	24TH STREET STATION, STRUCTURAL,	FOUNDATION CONCRETE WALLS
V3	- 250	TBSB0910	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS I
V3	- 251	TBSB0911	24TH STREET STATION, STRUCTURAL,	GUIDEWAY DECK SLAB DRAINAGE PLAN AND SECTIONS
V3	- 252	TBSB0912	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS II
V3	- 253	TBSB0913	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 254	TBSB0914	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS III
V3	- 255	TBSB0915	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS IV
V3	- 256	TBSB0916	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS V
V3	- 257	TBSB0917	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS VI
V3	- 258	TBSB0918	24TH STREET STATION, STRUCTURAL,	FRAMING BEAM ELEVATIONS VII
V3	- 259	TBSB0920	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 260	TBSB0921	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 261	TBSB0922	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 262	TBSB0923	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 263	TBSB0924	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 264	TBSB0925	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 265	TBSB0926	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 266	TBSB0927	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 267	TBSB0928	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 268	TBSB0929	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 269	TBSB0930	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 270	TBSB0931	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 271	TBSB0932	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 272	TBSB0933	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 273	TBSB0934	24TH STREET STATION, STRUCTURAL,	FRAMING SECTIONS AND DETAILS
V3	- 274	TBSB0981	24TH STREET STATION, STRUCTURAL,	STRUCTURAL STAIR FRAMING

VOLUME 4

GENERAL PLANS

V4 - 001	MSGN0001	COVER SHEET	
V4 - 002	MSGN0002	INDEX OF DRAWINGS	-1
V4 - 003	MSGN0003	INDEX OF DRAWINGS	-2
V4 - 004	MSGN0004	INDEX OF DRAWINGS	-3
V4 - 005	MSGN0005	INDEX OF DRAWINGS	-4
V4 - 006	MSGN0006	INDEX OF DRAWINGS	-5
V4 - 007	MSGN0007	INDEX OF DRAWINGS	-6
V4 - 008	MSGN0008	INDEX OF DRAWINGS	-7
V4 - 009	MSGN0009	INDEX OF DRAWINGS	-8
V4 - 010	MSGN0010	INDEX OF DRAWINGS	-9
V4 - 011	MSGN0011	INDEX OF DRAWINGS	-10
V4 - 012	MSGN0012	HORIZONTAL AND VERTICAL,	CONTROL PLAN
V4 - 013	MSGN0013	HORIZONTAL AND VERTICAL,	CONTROL PLAN

MECHANICAL

V4	- 014	TBME0001	24TH STREET STATION,	MECHANICAL,	SYMBOL LIST AND GENERAL NOTES				
V4	- 015	TBME0002	24TH STREET STATION,	MECHANICAL,	GENERAL NOTES				
V4	- 016	TBME021A	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA A		
V4	- 017	TBME021B	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA B		
V4	- 018	TBME021C	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA C		
V4	- 019	TBME021D	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA D		
V4	- 020	TBME021E	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA E		
V4	- 021	TBME021F	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 1 -	AREA F		
V4	- 022	TBME022A	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LOW ROOF LEVEL -	AREA A		
V4	- 023	TBME022B	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 2 -	AREA B		
V4	- 024	TBME022E	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 2 -	AREA E		
V4	- 025	TBME022F	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LOW ROOF LEVEL -	AREA F		
V4	- 026	TBME023B	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 4 -	AREA B		
V4	- 027	TBME023C	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 4 -	AREA C		
V4	- 028	TBME023D	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 4 -	AREA D		
V4	- 029	TBME023E	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	LEVEL 4 -	AREA E		
V4	- 030	TBME024B	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	ROOF LEVEL -	AREA B		
V4	- 031	TBME024C	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	ROOF LEVEL -	AREA C		
V4	- 032	TBME024D	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	ROOF LEVEL -	AREA D		
V4	- 033	TBME024F	24TH STREET STATION,	MECHANICAL,	FLOOR PLAN -	ROOF LEVEL -	AREA F		
V4	- 034	TBME030	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 1 BELOW GRADE			
V4	- 035	TBME031A	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 1 -	AREA A		
V4	- 036	TBME031B	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 1 -	AREA B		
V4	- 037	TBME031E	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 1 -	AREA E		
V4	- 038	TBME031F	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 1 -	AREA F		
V4	- 039	TBME032A	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 2 -	AREA A		
V4	- 040	TBME032F	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 2 -	AREA F		
V4	- 041	TBME033B	24TH STREET STATION,	MECHANICAL,	PIPING PLAN -	LEVEL 4 -	AREA B		

V4	- 042	TBME033E	24TH STREET STATION,	MECHANICAL,	PIPING PLAN - LEVEL 4 - AREA E
V4	- 043	TBME0801	24TH STREET STATION,	MECHANICAL,	EQUIPMENT SCHEDULES
V4	- 044	TBME0802	24TH STREET STATION,	MECHANICAL,	EQUIPMENT SCHEDULES
V4	- 045	TBME0803	24TH STREET STATION,	MECHANICAL,	EQUIPMENT SCHEDULES
V4	- 046	TBME0804	24TH STREET STATION,	MECHANICAL,	DETAILS
V4	- 047	TBME0805	24TH STREET STATION,	MECHANICAL,	DETAILS
V4	- 048	TBME0806	24TH STREET STATION,	MECHANICAL,	DETAILS
V4	- 049	TBME0807	24TH STREET STATION,	MECHANICAL,	DETAILS
V4	- 050	TBME0901	24TH STREET STATION,	MECHANICAL,	CONTROL DIAGRAMS
V4	- 051	TBME0902	24TH STREET STATION,	MECHANICAL,	CONTROL DIAGRAMS

ELECTRICAL

V4 - 052	TBEL0001	24TH STREET STATION,	ELECTRICAL, NOTES
V4 - 053	TBEL0002	24TH STREET STATION,	ELECTRICAL, SYMBOL LIST
V4 - 053A	TBEL0200	24TH STREET STATION,	ELECTRICAL, SITE PLAN
V4 - 054	TBEL0301	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA A
V4 - 055	TBEL0302	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA B
V4 - 056	TBEL0303	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA C
V4 - 057	TBEL0304	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA D
V4 - 058	TBEL0305	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA E
V4 - 059	TBEL0306	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA F
V4 - 060	TBEL0307	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA B
V4 - 061	TBEL0308	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA C
V4 - 062	TBEL0309	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA D
V4 - 063	TBEL0310	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA E
V4 - 064	TBEL0311	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA B
V4 - 065	TBEL0312	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA E
V4 - 066	TBEL0313	24TH STREET STATION,	LIGHTING FLOOR PLAN, ELECTRICAL, ELEVATOR SHAFT DETAILS
V4 - 066A	TBEL0314	24TH STREET STATION,	ROOF PERIMETER LIGHTING PLAN
V4 - 067	TBEL0401	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA A
V4 - 068	TBEL0402	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA B
V4 - 069	TBEL0403	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA C
V4 - 070	TBEL0404	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA D
V4 - 071	TBEL0405	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA E
V4 - 072	TBEL0406	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA F
V4 - 073	TBEL0407	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA B
V4 - 074	TBEL0408	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA C
V4 - 075	TBEL0409	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA D
V4 - 076	TBEL0410	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA E
V4 - 077	TBEL0411	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA B
V4 - 078	TBEL0412	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA E
V4 - 079	TBEL0413	24TH STREET STATION,	POWER FLOOR PLAN, ELECTRICAL, ELEVATOR SHAFT DETAILS
V4 - 080	TBEL0414	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA A
V4 - 081	TBEL0415	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA B
V4 - 082	TBEL0416	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA C
V4 - 083	TBEL0417	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA D
V4 - 084	TBEL0418	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA E
V4 - 085	TBEL0419	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLAZA LEVEL, AREA F
V4 - 086	TBEL0420	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA B
V4 - 087	TBEL0421	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA E
V4 - 088	TBEL0422	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA B
V4 - 089	TBEL0423	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, BRIDGE LEVEL, AREA E
V4 - 090	TBEL0424	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 1, AREA A
V4 - 091	TBEL0425	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 1, AREA B
V4 - 092	TBEL0426	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 1, AREA C
V4 - 093	TBEL0427	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 1, AREA D
V4 - 094	TBEL0428	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 4, AREA B
V4 - 095	TBEL0429	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 4, AREA C
V4 - 096	TBEL0430	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 4, AREA D
V4 - 097	TBEL0431	24TH STREET STATION,	MECHANICAL POWER FLOOR PLAN, ELECTRICAL, ROOF PLAN LEVEL 4, AREA E
V4 - 098	TBEL0901	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 099	TBEL0902	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 100	TBEL0903	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 101	TBEL0904	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 102	TBEL0905	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 103	TBEL0906	24TH STREET STATION,	PANEL SCHEDULES, ELECTRICAL
V4 - 104	TBEL0907	24TH STREET STATION,	PANEL SCHEDULES
V4 - 105	TBEL1001	24TH STREET STATION,	ELECTRICAL, SINGLE LINE DIAGRAM
V4 - 106	TBEL1002	24TH STREET STATION,	ELECTRICAL, GROUNDING SINGLE, LINE DIAGRAM AND GROUNDING DETAIL
V4 - 107	TBEL1003	24TH STREET STATION,	ELECTRICAL, FEEDER SCHEDULE, CONDUIT, AND CONDUCTORS
V4 - 108	TBEL1004	24TH STREET STATION,	ELECTRICAL, FAULT CURRENT CALCULATIONS
V4 - 109	TBEL1005	24TH STREET STATION,	ELECTRICAL, DETAIL
V4 - 110	TBEL1006	24TH STREET STATION,	LIGHTING, DETAIL
V4 - 111	TBEL1007	24TH STREET STATION,	ELECTRICAL, DETAILS
V4 - 112	TBEL1008	24TH STREET STATION,	ELECTRICAL, DETAILS
V4 - 113	TBEL1009	24TH STREET STATION,	ELECTRICAL, DETAILS
V4 - 114	TBEL1010	24TH STREET STATION,	ELECTRICAL, GROUNDING, DETAILS
V4 - 115	TBEL1011	24TH STREET STATION,	ELECTRICAL, DETAILS
V4 - 116	TBEL1012	24TH STREET STATION,	E

PLUMBING

V4	-	123	TBPL0001	24TH STREET STATION,	PLUMBING,	SYMBOL LIST	AND GENERAL,	NOTES	
V4	-	124	TBPL021A	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	LOW ROOF -, AREA A
V4	-	125	TBPL021B	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	- AREA B
V4	-	126	TBPL021C	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	- AREA C
V4	-	127	TBPL021D	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	- AREA D
V4	-	128	TBPL021E	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	- AREA E
V4	-	129	TBPL021F	24TH STREET STATION,	PLUMBING,	FLOOR PLAN	-	LEVEL 1	- AREA F

STAGE 2 — B04 DESIGN SUBMISSION GENERAL PLANS INDEX OF DRAWINGS - 6 Package: Sheet Reference No: B04- MSGN0007 V6 - 007 of 260	Designed by: MB	PHX DVI BYR CITY OF PHOENIX AVIATION DEPARTMENT PHX SKY TRAIN STAGE 2 DESIGN 500 S. 24TH STREET PHOENIX, AZ 85034	PER CITY OF PHOENIX ORDINANCE G-4386, THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SUBMITTED FOR REVIEW EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.	 Design Sub-Consultant
	Drawn by: JV			
	Checked by: MD			
	Date: 07/13/2018			
	Dwg scale: NTS		2 BULLETIN 10 08/17/18	
	CIP No.: AV100000011		1 BULLETIN 15 08/03/18	
	KIVA No.: 07-5204		ISSUED FOR CONSTRUCTION 07/13/18	
			SUBMITTED FOR REVIEW 04/06/18	
			NO. REVISIONS / SUBMISSIONS	
			DATE	

1

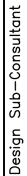
V5 – 114
V5 – 115
V5 – 116
V5 – 117
V5 – 118
V5 – 119
V5 – 120
V5 – 121
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V5 – 123
V5 – 124
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V5 – 132
V5 – 133
V5 – 134
V5 – 135
V5 – 136
V5 – 137
V5 – 138
V5 – 139
V5 – 140
V5 – 141
V5 – 142
V5 – 143

RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES I
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES II
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES III
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES IV
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES V
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES VI
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES VII
RCC STATION,	STRUCTURAL,	GENERAL STRUCTURAL NOTES VIII
RCC STATION,	STRUCTURAL,	FLOOR LOADING MAPS
RCC STATION,	STRUCTURAL,	FLOOR LOADING MAPS
RCC STATION,	STRUCTURAL,	RCC STATION LOADING DIAGRAM
RCC STATION,	STRUCTURAL,	CONNECTION DESIGN DATA
RCC STATION,	STRUCTURAL,	CONNECTION DESIGN DETAILS
RCC STATION,	STRUCTURAL,	CONNECTION DESIGN DETAILS
RCC STATION,	STRUCTURAL,	CONNECTION DESIGN DETAILS
RCC STATION,	STRUCTURAL,	CONSTRUCTION SEQUENCE AT, CONCRETE POUR BACK
RCC STATION,	STRUCTURAL,	OVERALL BASE LEVEL PLAN
RCC STATION,	STRUCTURAL,	BASE LEVEL PLAN AREA A
RCC STATION,	STRUCTURAL,	BASE LEVEL PLAN AREA D
RCC STATION,	STRUCTURAL,	VISITOR PARKING LEVEL AREA A
RCC STATION,	STRUCTURAL,	VISITOR PARKING AREA D
RCC STATION,	STRUCTURAL,	OVERALL GUIDEWAY PLAN
RCC STATION,	STRUCTURAL,	GUIDEWAY LEVEL PLAN AREA A
RCC STATION,	STRUCTURAL,	GUIDEWAY LEVEL PLAN AREA B
RCC STATION,	STRUCTURAL,	GUIDEWAY LEVEL PLAN AREA C
RCC STATION,	STRUCTURAL,	OVERALL PLATFORM LEVEL PLAN
RCC STATION,	STRUCTURAL,	PLATFORM LEVEL PLAN AREA A
RCC STATION,	STRUCTURAL,	PLATFORM LEVEL PLAN AREA B
RCC STATION,	STRUCTURAL,	PLATFORM LEVEL PLAN AREA C
RCC STATION,	STRUCTURAL,	PLATFORM LEVEL PLAN AREA E

VOLUME 6

V6	-	001	MSG
V6	-	002	MSG
V6	-	003	MSG
V6	-	004	MSG
V6	-	005	MSG
V6	-	006	MSG
V6	-	007	MSG
V6	-	008	MSG
V6	-	009	MSG
V6	-	010	MSG
V6	-	011	MSG
V6	-	012	MSG
V6	-	013	MSG

COVER SHEET
INDEX OF DRAWINGS -1
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INDEX OF DRAWINGS -4
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INDEX OF DRAWINGS -6
INDEX OF DRAWINGS -7
INDEX OF DRAWINGS -8
INDEX OF DRAWINGS -9
INDEX OF DRAWINGS -10
HORIZONTAL AND VERTICAL, CONTROL PLAN
HORIZONTAL AND VERTICAL, CONTROL PLAN



Gannett Fleming
Design Consultant

PHX CVR
CITY OF PHOENIX AVIATION DEPARTMENT

**PHX SKY TRAIN
STAGE 2 DESIGN
500 S. 24TH STREET
PHOENIX, AZ 85034**

CIP No.: AV10000011

STAGE 2 – B04 DESIGN SUBMISSION

GENERAL PLANS INDEX OF DRAWINGS - 8

Package: **B04-MSGN0009** Sheet Reference No: **V6 - 009 of 260**

ELECTRICAL

V6	050	RBEL0311	RCC STATION, LIGHTING FLOOR PLAN, ELECTRICAL, PLATFORM LEVEL, AREA C
V6	051	RBEL0312	RCC STATION, LIGHTING FLOOR PLAN, ELECTRICAL, CORE BUILDING AND IDF ROOM
V6	052	RBEL0313	RCC STATION, LIGHTING SECTIONS, ELECTRICAL, CORE BUILDING DETAILS
V6	052A	RBEL0314	RCC STATION, LIGHTING FLOOR PLAN, - ROOF PERIMETER LIGHTING PLAN
V6	053	RBEL0401	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 1 / GROUND, AREA A AND AREA D
V6	054	RBEL0402	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 4 / LOW ROOF, AREA A AND AREA D
V6	055	RBEL0403	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 4 / PLATFORM LEVEL
V6	056	RBEL0404	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 4 / PLATFORM LEVEL, AREA A
V6	057	RBEL0405	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 4 / PLATFORM LEVEL, AREA B
V6	058	RBEL0406	RCC STATION, POWER SITE PLAN, ELECTRICAL, LEVEL 4 / PLATFORM LEVEL
V6	059	RBEL0407	RCC STATION, POWER SITE PLAN, ELECTRICAL, VERTICAL CIRCULATION CORE, AND IDF ROOM
V6	060	RBEL0408	RCC STATION, POWER SITE PLAN, ELECTRICAL, BACK-OFF-HOUSE DETAILS
V6	061	RBEL0409	RCC STATION, POWER SITE PLAN, IDF ROOM AND, PUMP ROOM DETAILS
V6	062	RBEL0410	RCC STATION, POWER SECTIONS, ELECTRICAL, BACK-OFF-HOUSE DETAILS
V6	063	RBEL0411	RCC STATION, CONDUIT ROUTING, ELECTRICAL, ELEVATION - CORE STAIR
V6	064	RBEL0412	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, LEVEL 1, AREA A AND AREA D
V6	065	RBEL0413	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, BACK-OFF-HOUSE DETAILS
V6	066	RBEL0414	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, PLATFORM LEVEL
V6	067	RBEL0415	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, PLATFORM LEVEL, AREA A
V6	068	RBEL0416	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, PLATFORM LEVEL, AREA B
V6	069	RBEL0417	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, CORE BUILDING AND IDF ROOM, AND PUMP ROOM
V6	070	RBEL0418	RCC STATION, MECHANICAL POWER FLOOR PLAN, MECHANICAL POWER, ROOF LEVEL
V6	071	RBEL0419	RCC STATION, ELECTRICAL YARD DETAIL, ELECTRICAL
V6	072	RBEL0901	RCC STATION, PANEL SCHEDULES
V6	073	RBEL0902	RCC STATION, PANEL SCHEDULES
V6	074	RBEL0903	RCC STATION, PANEL SCHEDULES
V6	075	RBEL1001	RCC STATION, RCC SINGLE LINE, DIAGRAM
V6	076	RBEL1002	RCC STATION, SERVICE ENTRANCE, SINGLE LINE DIAGRAM
V6	077	RBEL1003	RCC STATION, ELECTRICAL GROUNDING, DETAILS
V6	078	RBEL1004	RCC STATION, ELECTRICAL GROUNDING, SPECIFICATIONS, NOTES, AND LEGEND
V6	079	RBEL1005	RCC STATION, FAULT CURRENT, CLACULATIONS
V6	080	RBEL1006	RCC STATION, ELECTRICAL, DETAILS
V6	081	RBEL1007	RCC STATION, ELECTRICAL, DETAILS
V6	082	RBEL1008	RCC STATION, ELECTRICAL, DETAILS
V6	083	RBEL1009	RCC STATION, ELECTRICAL, DETAILS
V6	084	RBEL1010	RCC STATION, ELECTRICAL, DETAILS
V6	085	RBEL1011	RCC STATION, ELECTRICAL, DETAILS
V6	086	RBEL1012	RCC STATION, ELECTRICAL, DETAILS
V6	087	RBEL1013	RCC STATION, ELECTRICAL, DETAILS
V6	088	RBEL1014	RCC STATION, ELECTRICAL, DETAILS
V6	088A	RBEL1015	RCC STATION, LIGHTING, DETAILS
V6	089	RBEL0201	RCC STATION, ELECTRICAL YARD DETAIL, SECTION VIEWS
V6	090	RSEL0201	- SITE, ELECTRICAL, RCC PERMANENT LIGHTING PLAN

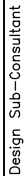
V6	-	091	RBPLO001	RCC STATION,	PLUMBING,	SYMBOL LIST AND GENERAL, NOTES
V6	-	092	RBPLO010	RCC STATION,	PLUMBING,	PLUMBING SITE PLAN
V6	-	093	RBPLO20A	RCC STATION,	PLUMBING,	BELOW SLAB - FLOOR PLAN-, LEVEL 1 - AREA A
V6	-	094	RBPLO20B	RCC STATION,	PLUMBING,	BELOW SLAB - FLOOR PLAN-, LEVEL 1 - AREA B
V6	-	095	RBPLO20D	RCC STATION,	PLUMBING,	BELOW SLAB - FLOOR PLAN-, LEVEL 1 - AREA D
V6	-	096	RBPLO21A	RCC STATION,	PLUMBING,	FLOOR PLAN - LEVEL 1 - AREA A
V6	-	097	RBPLO21B	RCC STATION,	PLUMBING,	FLOOR PLAN - LEVEL 1 - AREA B
V6	-	098	RBPLO21D	RCC STATION,	PLUMBING,	FLOOR PLAN - LEVEL 1 - AREA D
V6	-	099	RBPLO22A	RCC STATION,	PLUMBING,	FLOOR PLAN - LEVEL 2 - AREA A
V6	-	100	RBPLO23A	RCC STATION,	PLUMBING,	FLOOR PLAN - LEVEL 3 - AREA A

[illegible]

V6	-	132	RBC000001	RCC STATION, COMMUNICATIONS, GENERAL NOTES AND LEGEND
V6	-	133	RBC00030A	RCC STATION, KEY MAP, COMMUNICATIONS
V6	-	134	RBC0031A	RCC STATION, SITE PLAN, COMMUNICATIONS, LEVEL 1, AREA A AND AREA D
V6	-	135	RBC00034A	RCC STATION, SITE PLAN, COMMUNICATIONS, LEVEL 4 - PLATFORM, AREA A
V6	-	136	RBC00034B	RCC STATION, SITE PLAN, COMMUNICATIONS, LEVEL 4 - PLATFORM, AREA B
V6	-	137	RBC00034C	RCC STATION, SITE PLAN, COMMUNICATIONS, LEVEL 4 - PLATFORM, AREA C
V6	-	138	RBC00061A	RCC STATION, SITE PLAN, COMMUNICATIONS, LEVEL 1 - ENLARGED PLAN, ATC, ELECTRICAL, AND MECHANICAL, ROOMS
V6	-	139	RBC0062A	RCC STATION, DETAILS SITE PLAN, COMMUNICATIONS ENLARGED PLAN, CORE BUILDING AND IDF ROOM, AND PUMP ROOM
V6	-	140	RBC00401	RCC STATION, SECTIONS, COMMUNICATIONS, CONDUIT ROUTING
V6	-	141	RBEL0201	RCC STATION, PRIMARY STATION FEEDER, SITE PLAN, ELECTRICAL
V6	-	142	RBEL0301	RCC STATION, KEY MAP, LIGHTING
V6	-	143	RBC000801	RCC STATION, COMMUNICATIONS DETAILS, PEDS/AED
V6	-	144	RBC000802	RCC STATION, COMMUNICATIONS DETAILS, IDF GROUNDING DETAILS
V6	-	145	RBC000803	RCC STATION, COMMUNICATIONS DETAILS, SECURE DOORS
V6	-	146	RBC000804	RCC STATION, COMMUNICATIONS DETAILS, SECURE DOORS
V6	-	147	RBC000805	RCC STATION, COMMUNICATIONS DETAILS, EMERGENCY EXIT FROM TRAIN AREA
V6	-	148	RBC000806	RCC STATION, COMMUNICATIONS DETAILS, MANHOLE AND PULLBOX DETAILS
V6	-	149	RBC000807	RCC STATION, COMMUNICATIONS DETAILS, CABINET POWER OUTLET
V6	-	150	RBC000808	RCC STATION, COMMUNICATIONS DETAILS, COPPER WALL FIELD

V6	- 151	RBAV0001	RCC STATION,	MASS NOTIFICATION (ECS),	GENERAL NOTES & SCHEDULES
V6	- 152	RBAV0002	RCC STATION,	MASS NOTIFICATION (ECS),	POWER & GROUNDING DETAILS
V6	- 153	RBAV0010	RCC STATION,	MASS NOTIFICATION (ECS),	CABLING RISER DIAGRAM
V6	- 154	RBAV0011	RCC STATION,	MASS NOTIFICATION (ECS),	CONDUIT RISER DIAGRAM
V6	- 155	RBAV0101	RCC STATION,	MASS NOTIFICATION (ECS),	OVERALL CALLOUT PLANS, VISITOR PARKING LEVEL
V6	- 156	RBAV0102	RCC STATION,	MASS NOTIFICATION (ECS),	OVERALL CALLOUT PLANS, PLATFORM LEVEL
V6	- 157	RBAV0301	RCC STATION,	MASS NOTIFICATION (ECS),	ENLARGED FLOOR PLANS, PLATFORM LEVEL (AREA A)
V6	- 158	RBAV0302	RCC STATION,	MASS NOTIFICATION (ECS),	ENLARGED FLOOR PLANS, PLATFORM LEVEL (AREA B)
V6	- 159	RBAV0303	RCC STATION,	MASS NOTIFICATION (ECS),	ENLARGED REFLECTED CEILING PLANS, PLATFORM LEVEL (AREA A)
V6	- 160	RBAV0304	RCC STATION,	MASS NOTIFICATION (ECS),	ENLARGED REFLECTED CEILING PLANS, PLATFORM LEVEL (AREA B)
V6	- 161	RBAV0305	RCC STATION,	MASS NOTIFICATION (ECS),	ENLARGED PLANS, IDF ROOM
V6	- 162	RBAV0401	RCC STATION,	MASS NOTIFICATION (ECS),	ELEVATIONS AND SECTIONS, PLATFORM LEVEL (AREA A)
V6	- 163	RBAV0402	RCC STATION,	MASS NOTIFICATION (ECS),	ELEVATIONS AND SECTIONS, PLATFORM LEVEL (AREA B)
V6	- 164	RBAV0501	RCC STATION,	MASS NOTIFICATION (ECS),	FUNCTION DIAGRAM
V6	- 165	RBAV0502	RCC STATION,	MASS NOTIFICATION (ECS),	SINGLE LINE DIAGRAMS
V6	- 166	RBAV0503	RCC STATION,	MASS NOTIFICATION (ECS),	SINGLE LINE DIAGRAMS
V6	- 167	RBAV0504	RCC STATION,	MASS NOTIFICATION (ECS),	SINGLE LINE DIAGRAMS
V6	- 168	RBAV0505	RCC STATION,	MASS NOTIFICATION (ECS),	SINGLE LINE DIAGRAMS
V6	- 169	RBAV0701	RCC STATION,	MASS NOTIFICATION (ECS),	RACK ELEVATIONS
V6	- 170	RBAV0801	RCC STATION,	MASS NOTIFICATION (ECS),	MOUNTING DETAILS
V6	- 171	RBAV0802	RCC STATION,	MASS NOTIFICATION (ECS),	MOUNTING DETAILS

V6	- 172	WBAR033E	WEST	TERMINAL	STATION, ARCHITECTURAL,	FLOOR PLAN - APRON - LEVEL 3 - AREA E
V6	- 173	WBAR0601	WEST	TERMINAL	STATION, ARCHITECTURAL,	ENLARGED PLANS - STAIR
V6	- 174	WBAR0602	WEST	TERMINAL	STATION, ARCHITECTURAL,	ENLARGED PLANS - STAIR
V6	- 175	WBAR0603	WEST	TERMINAL	STATION, ARCHITECTURAL,	ENLARGED SECTION - STAIR
V6	- 176	WBAR1201	WEST	TERMINAL	STATION, ARCHITECTURAL,	STAIRS AND RAILING SYSTEMS
V6	- 177	WBAR1202	WEST	TERMINAL	STATION, ARCHITECTURAL,	STAIRS AND RAILING SYSTEMS


Gannett Fleming

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AND MAY NOT BE SHARED WITH OTHERS
EXCEPT AS REQUIRED TO FULFILL THE
OBLIGATIONS OF YOUR CONTRACT WITH THE
CITY OF PHOENIX.



**PHX SKY TRAIN
STAGE 2 DESIGN
5500 S. 24TH STREET
PHOENIX, AZ 85034**

Designed by: MB

Drawn by: .IV

Checked by: MD

Date: 07/13/2018

Dwg scale: NTS

CIP No.: AV10000011

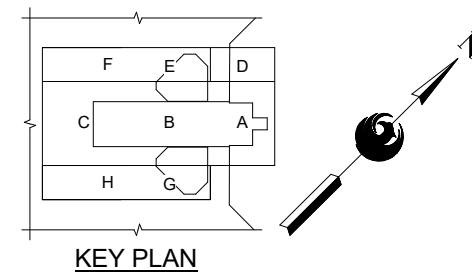
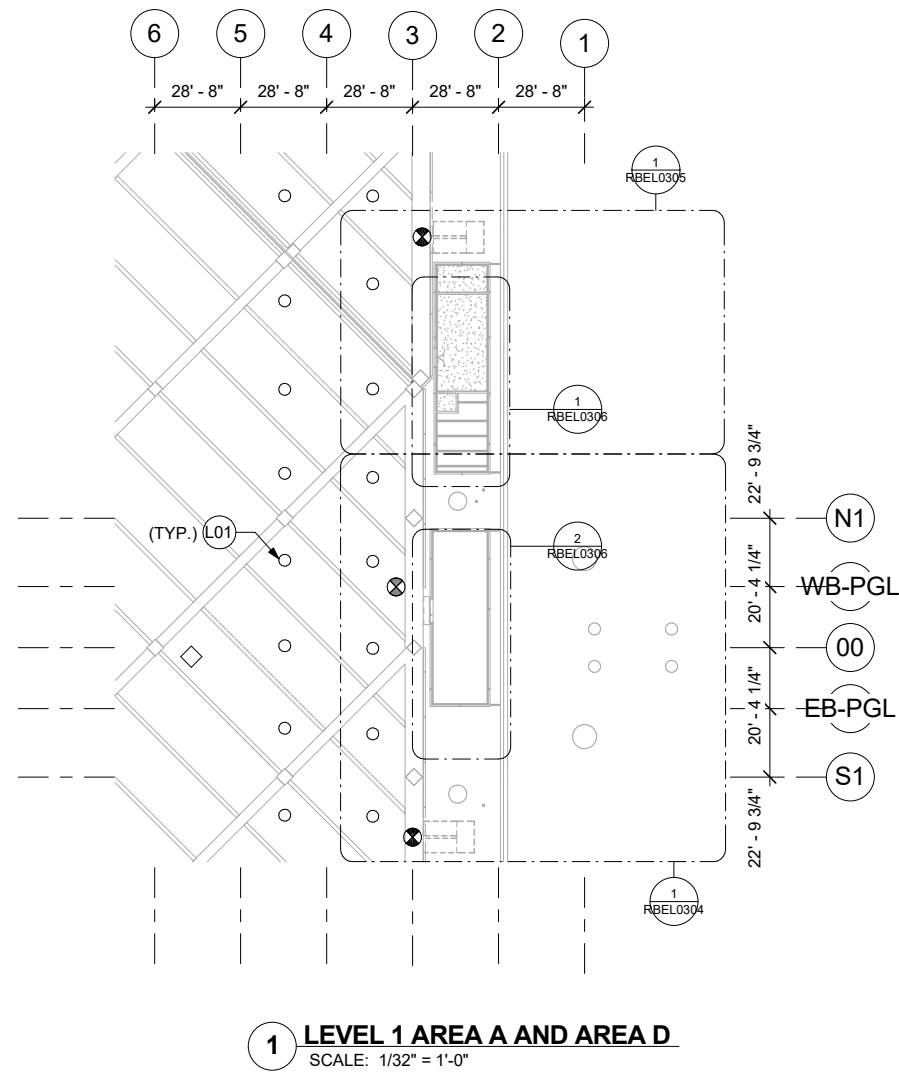
KIVA No.: 07-5204

STAGE 2 – B04 DESIGN SUBMISSION

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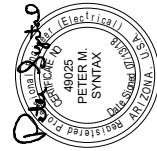
Package: **B04-MSGN0010** Sheet Reference No:
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BUILDING LIGHTING FIXTURE SCHEDULE							
◇ LABEL	MANUFACTURER	DESCRIPTION	MODEL	LAMP	VOLTAGE	WATTAGE	WET LABEL
A	LITHONIA LIGHTING OR DUAL-LITE	EXIT SIGN - EMERGENCY	LE-S W 1 R EL N OR SESRWE. PROVIDE 90 MINUTE EMERGENCY BATTERY	LED	277	4 VA	NO
B	ALIGHT OR FINELITE	RECESSED CEILING OR WALL MOUNTED FIXTURE	D5 LS 40 U HE OR HP-2R-V-840-277-SC	LED	277	40 VA	NO
C	FINELITE OR ALIGHT	EXTERIOR LINEAR WALL MOUNTED FIXTURE	HP-4 WL SM 4' V 840 277V SC OR D3-4-LH-40-U-HE-R-E	LED	277	40 VA	YES
D	TRAXON OR ECOSENSE	SPOT LIGHT	F170-1S-HO-30-8-E2	LED	277	38 VA	YES
E	TRAXON OR ECOSENSE	ARCHITECTURAL LIGHTS	MB-CC-1013001 OR L50-E-12-06-30-80-MULTI-40X60	LED	277	6 VA	YES
F	ECOSENSE	SPOT LIGHT	F170-1S-HO-30-8-40	LED	277	38 VA	YES
G	ECOSENSE	ARCHITECTURAL LIGHTS	SCD-M-48-35-MULT	LED	277	16 VA	YES
H	WE-EF	PILLAR SPOT LIGHT	FLC131-LED-RAIL66	LED	277	28 VA	YES
I	ECOSENSE	ARCHITECTURAL LIGHTS	MB-CC-1013092 OR L50-E-12-12-30-80-MULTI-70X40	LED	277	12 VA	YES
J	PHILIPS COLOR KINETICS	2' AND 4' FIXTURE TO MATCH CURVATURE OF ROOF	ICOLOR ACCENT MX POWERCORE GEN2	LED	208	10 VA	YES



CONSTRUCTION NOTES

L01 EXISTING LUMINAIRES SHALL REMAIN IN PLACE.



Expires 12-31-2020

Kimley»Horn

Design Consultant


Gannett Fleming

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REQUIRED TO FULFILL THE OBLIGATION OF
YOUR CONTRACT WITH THE CITY OF PHOENIX

1	BULLETIN 0010	08/17/18
	ISSUED FOR CONSTRUCTION	07/13/18
	SUBMITTED FOR REVIEW	04/06/18
NO.	REVISIONS / SUBMISSIONS	DATE

PHX DOT DVB
CITY OF PHOENIX AVIATION DEPARTMENT

PHX SKY TRAIN
STAGE 2 DESIGN
500 S. 24TH STREET
PHOENIX, AZ 85034

Designed by: PMS

Drawn by: BRB

Checked by: _____ MAC

Date: 07/13/18

Dwg scale: 1/32" = 1'-0"

CIP No.: AV10000011

KIVA No.: 07-5204

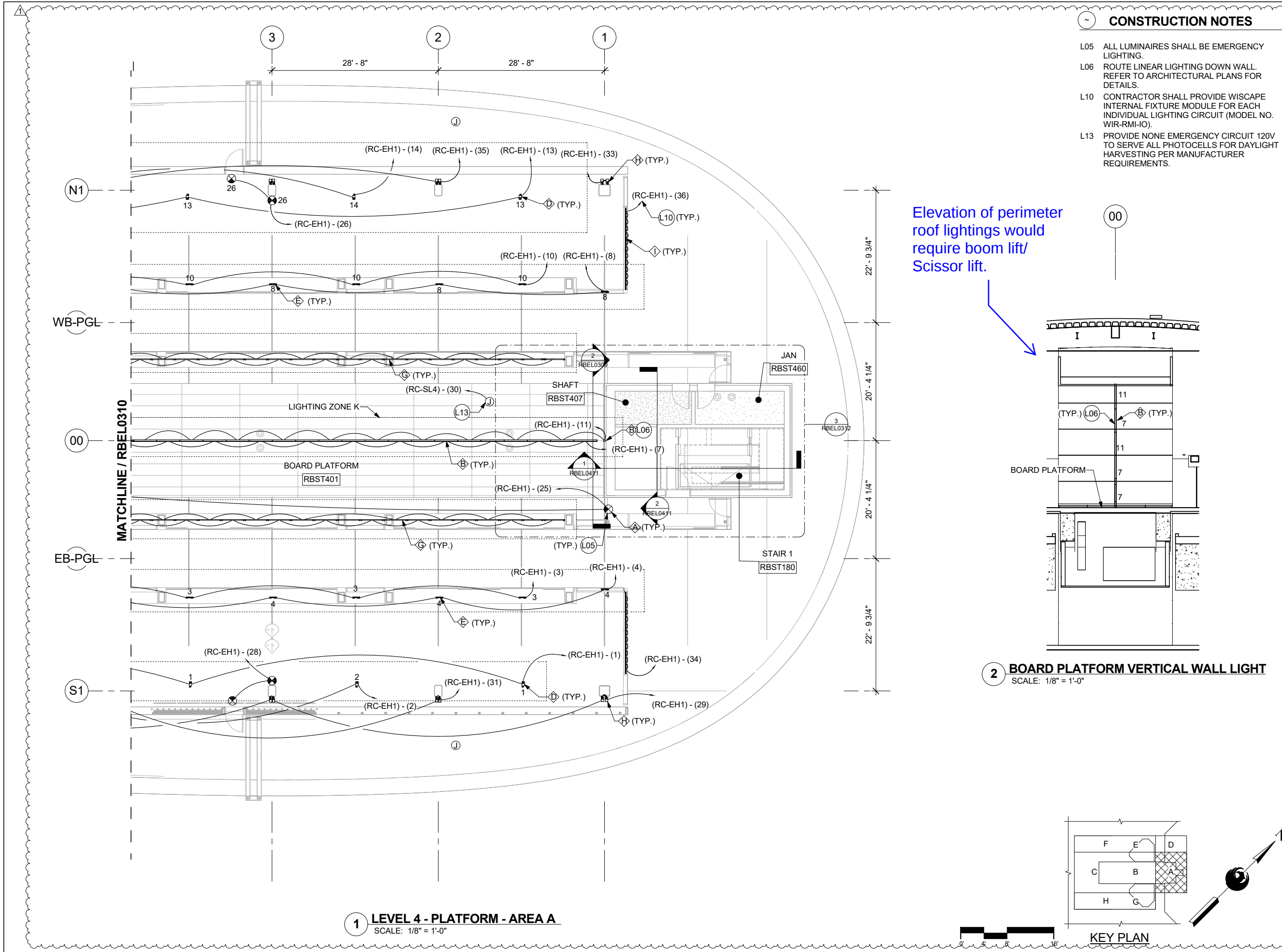
STAGE 2 - B04 DESIGN SUBMISSION

**RCC STATION
LIGHTING FLOOR PLAN
ELECTRICAL
LEVEL 1
AREA A AND AREA D**

Package:	Sheet Reference No:
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B04 - RBEL0302
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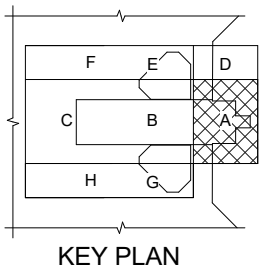


CONSTRUCTION NOTES

- L05 ALL LUMINAIRES SHALL BE EMERGENCY LIGHTING.
- L06 ROUTE LINEAR LIGHTING DOWN WALL. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- L10 CONTRACTOR SHALL PROVIDE WISCAPE INTERNAL FIXTURE MODULE FOR EACH INDIVIDUAL LIGHTING CIRCUIT (MODEL NO. WIR-RMI-IO).
- L13 PROVIDE NONE EMERGENCY CIRCUIT 120V TO SERVE ALL PHOTOCELLS FOR DAYLIGHT HARVESTING PER MANUFACTURER REQUIREMENTS.

Elevation of perimeter roof lightings would require boom lift/ Scissor lift.

2 BOARD PLATFORM VERTICAL WALL LIGHT
SCALE: 1/8" = 1'-0"



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NO.	REVISIONS / SUBMISSIONS	DATE
1	ISSUED FOR CONSTRUCTION	08/17/18
2	SUBMITTED FOR REVIEW	07/13/18
3	REVISIONS / SUBMISSIONS	04/06/18

PHX **AVT** **BYR**
CITY OF PHOENIX AVIATION DEPARTMENT

**PHX SKY TRAIN
STAGE 2 DESIGN
500 S. 24TH STREET
PHOENIX, AZ 85034**

Designed by:	Drawn by:	Checked by:	Date:	Dwg scale:	CIP No.:	KVA No.:
PMS	BRB	MAC	07/13/18	1/8" = 1'-0"	AV10000011	07-5204

STAGE 2 - B04 DESIGN SUBMISSION

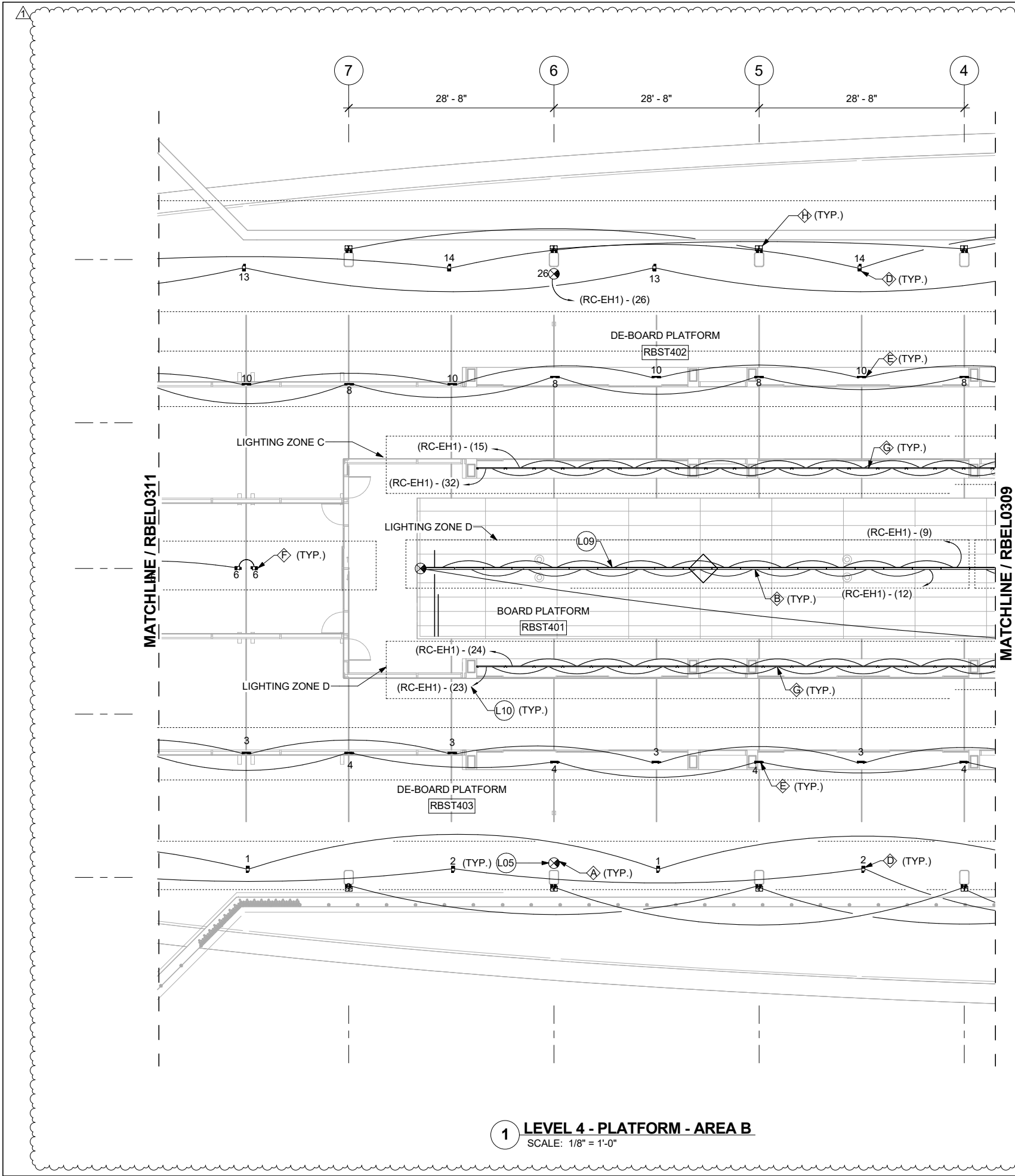
**RCC STATION
LIGHTING FLOOR PLAN
ELECTRICAL
PLATFORM LEVEL
AREA A**

Package: **B04 - RBEL0309**
V6 - 048 of 260

Sheet Reference No:

Kimley»Horn
Design Sub-Consultant
Expires 12-31-2020
49025
PETER M.
STYPA
REGISTERED ELECTRICAL ENGINEER
STATE OF ARIZONA

Gannett Fleming
Design Consultant



1 LEVEL 4 - PLATFORM - AREA B
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

- L05 ALL LUMINAIRES SHALL BE EMERGENCY LIGHTING.
- L09 MOUNT FIXTURE WITHIN DECK. COORDINATE MOUNTING REQUIREMENTS WITH DECK SUPPLIER PRIOR TO ROUGH-IN.
- L10 CONTRACTOR SHALL PROVIDE WISCAPE INTERNAL FIXTURE MODULE FOR EACH INDIVIDUAL LIGHTING CIRCUIT (MODEL NO. WIR-RMI-IO).



Design Sub-Consultant

Kimley»Horn

Design Consultant



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NO.	REVISIONS / SUBMISSIONS	DATE
1	BULLETIN 0010	08/17/18
2	ISSUED FOR CONSTRUCTION	07/13/18
3	SUBMITTED FOR REVIEW	04/06/18

PHX AVT EYR
CITY OF PHOENIX AVIATION DEPARTMENT

**PHX SKY TRAIN
STAGE 2 DESIGN
500 S. 24TH STREET
PHOENIX, AZ 85034**

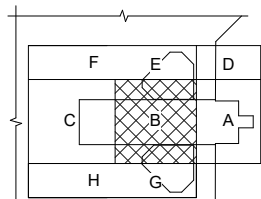
Designed by:	PMS
Drawn by:	BRB
Checked by:	MAC
Date:	07/13/18
Dwg scale:	1/8" = 1'-0"
CIP No.:	AV10000011
KVA No.:	07-5204

STAGE 2 - B04 DESIGN SUBMISSION

**RCC STATION
LIGHTING FLOOR PLAN
ELECTRICAL
PLATFORM LEVEL
AREA B**

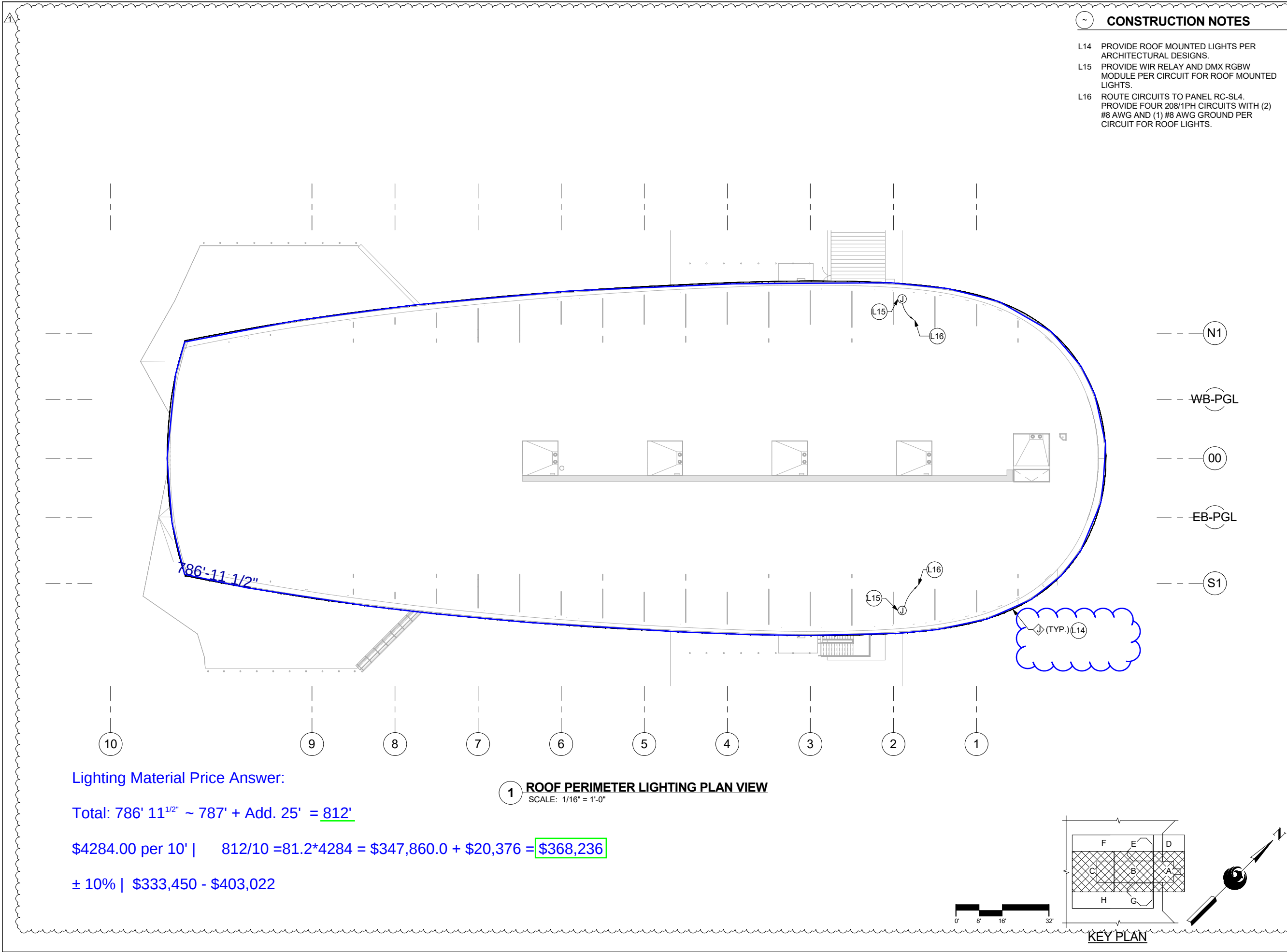
Package: Sheet Reference No:

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KEY PLAN





BRANCH PANEL: RC-SH1													
LOCATION: RBST141 SUPPLY FROM: MSB-1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 22000 A MAINS TYPE: MCB MAINS RATING: 600 A MCB RATING: 600 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	AHU-1 RETURN	70 A	3	8421 VA	23268 VA					3	200 A	AHU-1 SUPPLY	2
3	--	--	--			8421 VA	23268 VA			--	--	--	4
5	--	--	--					8421 VA	23268 VA	--	--	--	6
7	CF-1	20 A	3	831 VA	831 VA					3	20 A	CF-2	8
9	--	--	--			831 VA	831 VA			--	--	--	10
11	--	--	--					831 VA	831 VA	--	--	--	12
13	CF-3	20 A	3	831 VA	831 VA					3	20 A	CF-5	14
15	--	--	--			831 VA	831 VA			--	--	--	16
17	--	--	--					831 VA	831 VA	--	--	--	18
19	CF-4	20 A	3	831 VA	66666 VA					3	600 A	EDH-1	20
21	--	--	--			831 VA	66666 VA			--	--	--	22
23	--	--	--					831 VA	66666 VA	--	--	--	24
25	CF-6	20 A	3	831 VA	2105 VA					3	20 A	CHWP-1	26
27	--	--	--			831 VA	2105 VA			--	--	--	28
29	--	--	--					831 VA	2105 VA	--	--	--	30
31	CHWP-2	20 A	3	2105 VA	2105 VA					3	20 A	VFD-1	32
33	--	--	--			2105 VA	2105 VA			--	--	--	34
35	--	--	--					2105 VA	2105 VA	--	--	--	36
37	VFD-2	20 A	3	2105 VA	0 VA					1	20 A	SPARE	38
39	--	--	--			2105 VA	0 VA			1	20 A	SPARE	40
41	--	--	--					2105 VA	0 VA	1	20 A	SPARE	42
TOTAL LOAD:				111761 VA		111761 VA		111761 VA					
TOTAL AMPS:				403 A		403 A		403 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				335283 VA		100.00%		335283 VA					
										TOTAL CONN. LOAD: 335283 VA			
										TOTAL EST. DEMAND: 335283 VA			
										TOTAL CONN.: 403 A			
										TOTAL EST. DEMAND: 403 A			
NOTES:													

BRANCH PANEL: RC-SH2													
LOCATION: RBST141 SUPPLY FROM: RC-SDH1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 22000 A MAINS TYPE: MCB MAINS RATING: 200 A MCB RATING: 200 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	PARKING AREA A EX. LIGHTS	20 A	1	120 VA	80 VA					1	20 A	PUMP ROOM LIGHT FIXTURE	2
3	ART WALL NORTH	20 A	1			2300 VA	2300 VA			1	20 A	ART WALL NORTH	4
5	ART WALL NORTH	20 A	1					2300 VA	2300 VA	1	20 A	ART WALL NORTH	6
7	ART WALL SOUTH	20 A	1	2300 VA	2300 VA					1	20 A	ART WALL SOUTH	8
9	ART WALL SOUTH	20 A	1			2300 VA	2300 VA			1	20 A	ART WALL SOUTH	10
11	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		TOTAL LOAD:		4800 VA		9200 VA		4600 VA					
		TOTAL AMPS:		17 A		33 A		17 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				18400 VA		100.00%		18400 VA					
LIGHTING				200 VA		125.00%		250 VA					
										TOTAL CONN. LOAD: 18600 VA			
										TOTAL EST. DEMAND: 18650 VA			
										TOTAL CONN.: 22 A			
										TOTAL EST. DEMAND: 22 A			
NOTES:													

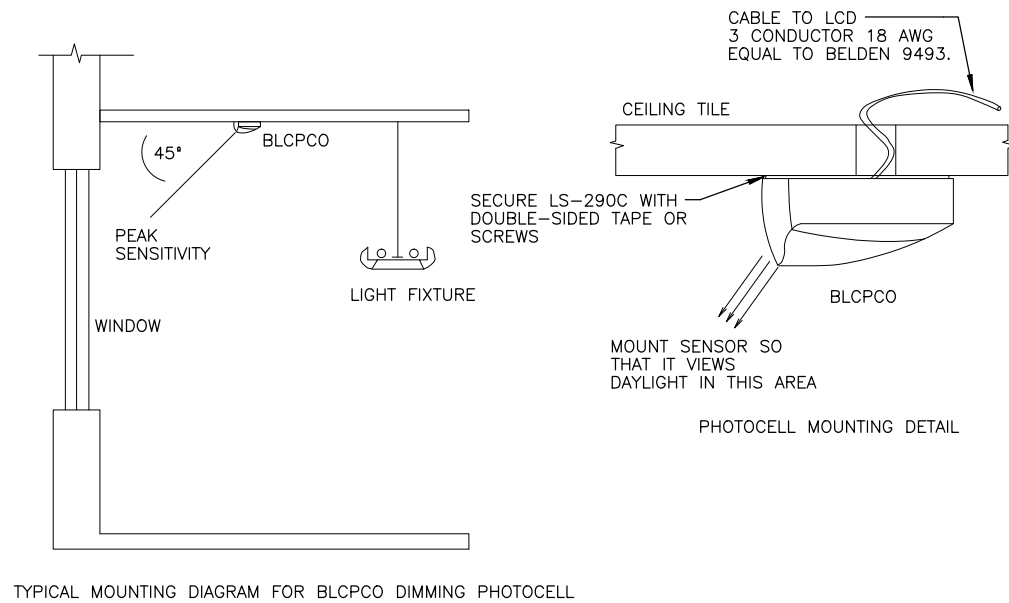
BRANCH PANEL: RC-EH1													
LOCATION: RBST141 SUPPLY FROM: RC-SDH1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 22000 A MAINS TYPE: MCB MAINS RATING: 200 A MCB RATING: 200 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	DE-BRD PLATFORM LIGHTING	20 A	1	190 VA	152 VA					1	20 A	DE-BRD PLATFORM LIGHTING	2
3	DE-BRD PLATFORM LIGHTING	20 A	1			48 VA	54 VA			1	20 A	DE-BRD PLATFORM LIGHTING	4
5	DE-BRD PLATFORM LIGHTING	20 A	1					228 VA	228 VA	1	20 A	DE-BRD PLATFORM LIGHTING	6
7	BRD PLATFORM LIGHTING	20 A	1	560 VA	54 VA					1	20 A	DE-BRD PLATFORM LIGHTING	8
9	BRD PLATFORM LIGHTING	20 A	1			400 VA	48 VA			1	20 A	DE-BRD PLATFORM LIGHTING	10
11	BRD PLATFORM LIGHTING	20 A	1					520 VA	360 VA	1	20 A	BRD PLATFORM LIGHTS	12
13	DE-BRD PLATFORM LIGHTING	20 A	1	190 VA	152 VA					1	20 A	DE-BRD PLATFORM LIGHTING	14
15	SHELF LIGHT FIXTURE	20 A	1			288 VA	200 VA			1	20 A	ELEC. RM & ATC RM EX....	16
17	RBST 140, 141, 143, 146 LTS.	20 A	1					520 VA	360 VA	1	20 A	RBST 407, 460, EX. LIGHTS	18
19	RBST 180 - STAIR LIGHTS	20 A	1	780 VA	600 VA					1	20 A	RBST 142 & EXTERIOR LIGHTS	20
21	RBST 245 LTS.	20 A	1			580 VA	160 VA			1	20 A	RBST 207, 246 LTS.	22
23	SHELF LIGHT FIXTURE	20 A	1					304 VA	272 VA	1	20 A	SHELF LIGHT FIXTURE	24
25	EXIT SIGN	20 A	1	480 VA	720 VA					1	20 A	EXIT SIGN	26
27	N. STAIR LIGHT FIXTURE	20 A	1			40 VA	720 VA			1	20 A	EXIT SIGN	28
29	PILLAR UPLIGHTS	20 A	1					224 VA	40 VA	1	20 A	S. STAIR LIGHT FIXTURE	30
31	PILLAR UPLIGHTS	20 A	1	168 VA	304 VA					1	20 A	SHELF LIGHT FIXTURE	32
33	PILLAR UPLIGHTS	20 A	1			224 VA	72 VA			1	20 A	SHELF LIGHT FIXTURE	34
35	PILLAR UPLIGHTS	20 A	1					168 VA	72 VA	1	20 A	SHELF LIGHT FIXTURE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
TOTAL LOAD:				4350 VA		2834 VA		3296 VA					
TOTAL AMPS:				16 A		10 A		12 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				2920 VA		100.00%		2920 VA					
LIGHTING				7560 VA		125.00%		9450 VA					
										TOTAL CONN. LOAD: 10480 VA			
										TOTAL EST. DEMAND: 12370 VA			
										TOTAL CONN.: 13 A			
										TOTAL EST. DEMAND: 15 A			
NOTES:													

BRANCH PANEL: RC-SDL1													
LOCATION: RBST141 SUPPLY FROM: XFMR RC-T1... MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 10000 A MAINS TYPE: MCB MAINS RATING: 400 A MCB RATING: 400 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RC-SL1	200 A	3	20027 VA	4350 VA					3	200 A	RC-SL2	2
3	--	--	--			16917 VA	5875 VA			--	--	--	4
5	--	--	--					19576 VA	6415 VA	--	--	--	6
7	RC-SL3	200 A	3	7300 VA	4316 VA					3	20 A	RC-SL4	8
9	--	--	--			5200 VA	4660 VA			--	--	--	10
11	--	--	--					6162 VA	3476 VA	--	--	--	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		TOTAL LOAD:		35993 VA		32652 VA		35629 VA					
		TOTAL AMPS:		304 A		272 A		301 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				97522 VA		100.00%		97522 VA					
LIGHTING				6752 VA		125.00%		8440 VA					
										TOTAL CONN. LOAD: 104274 VA			
										TOTAL EST. DEMAND: 105962 VA			
										TOTAL CONN.: 289 A			
										TOTAL EST. DEMAND: 294 A			
NOTES:													

BRANCH PANEL: RC-SL1													
LOCATION: RBST141 SUPPLY FROM: RC-SDL1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 10000 A MAINS TYPE: MCB MAINS RATING: 200 A MCB RATING: 200 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	IT CABINET RECEP. PUMP RM	20 A	1	180 VA	360 VA					1	20 A	RECEPS. - CU-4, CU-5	2
3	ELEC/ATC/UPS RM RECEPS.	20 A	1			540 VA	540 VA			1	20 A	RECEPS. - CU-1, CU-2, CU-3	4
5	ATS/ELEC RM. RECEPT.	20 A	1					720 VA	900 VA	1	20 A	MECH RM RECEPS.	6
7	ATC RM. RECEPT.	20 A	1	540 VA	360 VA					1	20 A	PUMP ROOM RECEPTICALS	8
9	ATC RM RECEPS.	20 A	1			540 VA	500 VA			1	20 A	CP-1 (PUMP ROOM)	10
11	SMOKE EXHAUST FAN...	20 A	1					720 VA	2080 VA	2	20 A	FC-1 DISCONNECT	12
13	CU-1 DISCONNECT	30 A	2	3120 VA	2080 VA					--	--	--	14
15	--	--	--			3120 VA	2080 VA			2	20 A	FC-2 DISCONNECT	16
17	CU-2 DISCONNECT	40 A	2					3500 VA	2080 VA	--	--	--	18
19	--	--	--	3500 VA	2080 VA					2	20 A	FC-3 DISCONNECT	20
21	CU-3 DISCONNECT	20 A	2			2080 VA	2080 VA			--	--	--	22
23	--	--	--					2080 VA	2080 VA	2	20 A	FC-4 DISCONNECT	24
25	CU-4 DISCONNECT	20 A	2	2080 VA	2080 VA					--	--	--	26
27	--	--	--			2080 VA	2080 VA			2	20 A	FC-5 DISCONNECT	28
29	CU-5 DISCONNECT	20 A	2					2080 VA	2080 VA	--	--	--	30
31	--	--	--	2080 VA	300 VA					1	20 A	FIRE/SMOKE DAMPERS	32
33	EF-1 MANUAL SWITCH	20 A	1			1127 VA	150 VA			1	20 A	FIRE/SMOKE DAMPERS	34
35	EF-2 MANUAL SWITCH	20 A	1					506 VA	750 VA	1	20 A	FIRE/SMOKE DAMPERS	36
37	EF-3 MANUAL SWITCH	20 A	1	667 VA	600 VA					1	20 A	FIRE/SMOKE DAMPERS	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
TOTAL LOAD:				20027 VA		16917 VA		19576 VA					
TOTAL AMPS:				170 A		141 A		167 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				56520 VA		100.00%		56520 VA					
										TOTAL CONN. LOAD: 56520 VA			
										TOTAL EST. DEMAND: 56520 VA			
										TOTAL CONN.: 157 A			
										TOTAL EST. DEMAND: 157 A			
NOTES:													

BRANCH PANEL: RC-SL3													
LOCATION: RBST245 SUPPLY FROM: RC-SDL1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 10000 A MAINS TYPE: MCB MAINS RATING: 200 A MCB RATING: 200 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	IDF RECEPT.	20 A	1	360 VA	1440 VA					1	20 A	IDF RECEPT. COMM CABINET	2
3	FIRE ALARM PANEL	20 A	1			500 VA	1340 VA			1	20 A	ECS EQUIPMENT	4
5	IDF RM RECEPT.	20 A	1					540 VA	1500 VA	1	20 A	PLATFORM DOOR	6
7	PLATFORM CCTV	20 A	1	3000 VA	1500 VA					1	20 A	BRD PLATFORM FIDS	8
9	IDF RECEPT. COMM CABINET	20 A	1			1440 VA	1920 VA			1	20 A	1 HP GATE MOTOR	10
11	PLATFORM CCTV	20 A	1					2500 VA	1622 VA	1	50 A	AVI COMM. CABINET AC UNIT	12
13	AVI COMM. CABINET RECEPT.	20 A	1	500 VA	500 VA					1	20 A	AVI COMM. CABINET RECEPT.	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
TOTAL LOAD:				7300 VA		5200 VA		6162 VA					
TOTAL AMPS:				62 A		43 A		53 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				18662 VA		100.00%		18662 VA					
										TOTAL CONN. LOAD: 18662 VA			
										TOTAL EST. DEMAND: 18662 VA			
										TOTAL CONN.: 52 A			
										TOTAL EST. DEMAND: 52 A			
NOTES:													

BRANCH PANEL: RC-SL2													
LOCATION: RBST141 SUPPLY FROM: RC-SDL1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 INDOOR				VOLTS: 120/208 Wye PHASES: 3 WIRES: 4				A.I.C. RATING: 10000 A MAINS TYPE: MCB MAINS RATING: 200 A MCB RATING: 200 A					
NOTES:													
CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	PLATFORM LVL 4 PEDS	20 A	1	0 VA	600 VA					1	20 A	WISCAPE RELAY PNL	2
3	RC-00-ADV SIGN	20 A	1			1200 VA	1200 VA			1	20 A	RC-00-ADV SIGN	4
5	RC-29-SDIR2	20 A	1					1200 VA	115 VA	2	20 A	FCU-2 DISCONNECT	6
7	FCU-1 DISCONNECT	20 A	2	115 VA	115 VA					--	--		8
9	--	--	--			115 VA	720 VA			1	20 A	FIRE CONTROL RM RECEPT.	10
11	W. BRD PLATFORM RECEPT.	20 A	1					720 VA	720 VA	1	20 A	W. BRD PLATFORM RECEPT.	12
13	E. BRD PLATFORM RECEPT.	20 A	1	720 VA	360 VA					1	20 A	CORE BUILDING EXTERIOR...	14
15	MECH RM RECEPS.	20 A	1			720 VA	180 VA			1	20 A	STAIRS RECEPT.	16
17	E. BRD PLATFORM RECEPT.	20 A	1					720 VA	540 VA	1	20 A	JANITOR RM RECEPT.	18
19	FIRE CONTROL RM RECEPT.	20 A	1	900 VA	540 VA					1	20 A	ELEC/ATC/UPS RM RECEPS.	20
21	ATC/UPS RM. RECEPT.	20 A	1			540 VA	1200 VA			1	20 A	RC-30-FSDIY SIGN	22
23	RC-35-SDIR2 SIGN	20 A	1					1200 VA	1200 VA	1	20 A	RC-22-PHXID SIGN	24
25	ADVERTISING SCREEN WALL	20 A	1	1000 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		TOTAL LOAD:		4350 VA		5875 VA		6415 VA					
		TOTAL AMPS:		36 A		51 A		55 A					
LEGEND:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		EST. DEMAND		PANEL TOTALS			
POWER				14240 VA		100.00%		14240 VA					
LIGHTING				2400 VA		125.00%		3000 VA		TOTAL CONN. LOAD: 16640 VA			
										TOTAL EST. DEMAND: 17240 VA			
										TOTAL CONN.: 46 A			
										TOTAL EST. DEMAND: 48 A			
NOTES:													



1 DAYLIGHT SENSOR MOUNTING DETAIL
N.T.S.

STAGE 2 – B04 DESIGN SUBMISSION

RCC STATION ELECTRICAL DETAILS

Package: Sheet Reference No:
B04- RBEL1012
V6 - 086 of 260

Designed by: MLB

Drawn by: MLB

Checked by: MAC

Date: 08/13/18

Dwg scale: N.T.S.

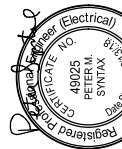
CIP No.: AV10000011

PHX DVT BYR
CITY OF PHOENIX AVIATION DEPARTMENT

**PHX SKY TRAIN
STAGE 2 DESIGN
500 S. 24TH STREET
PHOENIX, AZ 85034**

PER CITY OF PHOENIX ORDINANCE G-4396,
THESE PLANS ARE FOR OFFICIAL USE ONLY
AND MAY NOT BE SHARED WITH OTHERS
EXCEPT AS REQUIRED TO FULFILL THE
OBLIGATIONS OF YOUR CONTRACT WITH THE
CITY OF PHOENIX.

①	BULLETIN 0010	08/17/18
	ISSUED FOR CONSTRUCTION	07/13/18
	SUBMITTED FOR REVIEW	04/06/18
NO.	REVISIONS / SUBMISSIONS	DATE



Exp. Date 12/31/20
Design Sub-Consultant

Kimley»Horn

Design Consultant



Gannett Fleming

