

**Full Size or Largest Size
(site plan, landscape, elevations)**

Routing Sheet

1st Submittal

or

Resubmittal (←circle one)
(Stip Review Added - Except AB)

<u>Public Hearing Case Type (circle one):</u>	<u>Administrative Case Type (circle one):</u>
AB AN BA DR GP HE HP II IP PE PP TA UP ZN Other:	HP MD MN MS SA WM Other:

Coordinator: <u>CLUFF</u>	Pre-App #: _____	Date Submitted: <u>3/12/19</u>	PC/CC Track: _____
Admin Staff: _____	Case #: <u>13-UP-2018</u>	Comments Due: <u>3/26/19</u>	DRB Track: _____
			BOA Track: _____
			Other: _____

Review Team:

(For additional documents, please view the case file.)

		Design Review (Steve Venker)	Engineering Group (Eliana Hayes)	Transportation Eng (Phil Kercher)	Transportation Pln (Greg Davies)	Fire Group (Scott Stanek)	Drainage (Richard Anderson)	GIS (Tanya H.)	Airport (Sarah Ferrara)	Maps (Eliana Hayes)	Land Survey (Dwayne Haught)	Archaeological (Steve Venker)	Long Range Pln (Taylor Reynolds)	Water Resources name:	Other:
<input type="checkbox"/> Digital File	Narrative	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> x2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Digital File	Site Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> x2	<input type="checkbox"/>	<input checked="" type="checkbox"/> x2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Digital File	Alta Survey		<input type="checkbox"/>												<input type="checkbox"/>
<input type="checkbox"/> Digital File	Grading & Drainage Plan		<input type="checkbox"/>				<input type="checkbox"/>								<input type="checkbox"/>
<input type="checkbox"/> Digital File	Context Aerial Site Plan Overlay		<input type="checkbox"/>			<input type="checkbox"/>									<input type="checkbox"/>
<input type="checkbox"/> Digital File	Phasing Plan		<input type="checkbox"/>			<input type="checkbox"/>									<input type="checkbox"/>
<input type="checkbox"/> Digital File	Site Details		<input type="checkbox"/>			<input type="checkbox"/>									<input type="checkbox"/>
<input type="checkbox"/> Digital File	Pedestrian & Circulation		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										<input type="checkbox"/>
<input type="checkbox"/> Digital File	Bike & Trails Path		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										<input type="checkbox"/>
<input type="checkbox"/> Digital File	Trip gen., Traffic Study, TIMA		<input type="checkbox"/>	<input checked="" type="checkbox"/> x2	<input type="checkbox"/>										<input type="checkbox"/>
<input type="checkbox"/> Digital File	Water and/or Wastewater BOD's		<input type="checkbox"/>			<input type="checkbox"/>								<input checked="" type="checkbox"/> x2	<input type="checkbox"/>
<input type="checkbox"/> Digital File	Drainage Report						<input checked="" type="checkbox"/> x2								<input type="checkbox"/>
<input type="checkbox"/> Digital File	Geotech Report		<input type="checkbox"/>												<input type="checkbox"/>
<input type="checkbox"/> Digital File	Archaeological Report											<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/> Digital File	Draft Amended Dev Standards		<input type="checkbox"/>												<input type="checkbox"/>
<input type="checkbox"/> Digital File	Proposed CC&R's		<input type="checkbox"/>			<input type="checkbox"/>									<input type="checkbox"/>
<input type="checkbox"/> Digital File	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13-UP-2018
03/12/2019

March 8, 2019

City of Scottsdale
Transportation and Development
215 E. Buffalo St.
Chandler, AZ 85225

RE: BLK Live Conditional Use Permit - City Comment Response Letter
CUP #: (12-UP-2018)

DELTA 2 – CUP City Comment Responses

NOTE: These responses are based on city comments emailed from Bryan Cluff to Rod Jarvis on January 29th, 2019. They also include some responses to the citizen comments emailed from Luke Skelton with the “Stop The Noise Scottsdale Coalition” to Bryan Cluff on Monday, February 4th, 2019. I first received these comments on Monday, March 4th.

ORGANIZED BY SHEET:

UP 1 SHEET

- 1) Parking quantity achieved. See revised parking parking calculations for all owned and leased stalls, quantities, and addresses. A total quantity of (138) stalls was deemed acceptable by Bryan Cluff , via email, on Tuesday, October 30th. See sheet (UP 7) for all locations on a map and distances between property lines.
- 2) The acoustical canopy is now shown going around the entire patio, along those sections of existing mechanical screen adjacent to the patio, and a short mechanical screen extension on the roof in the northwest corner of the patio per **citizen comment #9**.
- 3) To make this sheet easier to read I added site plan keynotes and removed the notes directly on the plan. Some new keynotes were added.
- 4) The new (8) angeled stalls have been removed per **city comment #2**. Not changes to the (4) existing stalls here. Instead those (8) stalls have been leased from an adjacent property.
- 5) A sheet index was added to improve navigation through the set.

UP 2 SHEET

- 1) Per **city comment #3** a device called a “Snoot” will be added the stage lighting fixtures (Colorado) to prevent light from spilling to the sides and out the top. A spec. for this device has been added near the bottom center of this sheet.

13-UP-2018
03/12/2019

UP 3 SHEET

- 1) All sheets submitted during CUP submittal #1 (1.4.19) are being resubmitted in CUP submittal #2 (3.8.19) because I have changed the project name on each sheet from "BLK PATIO ADDITION" to "BLK LIVE - USER PERMIT" to avoid any current or future confusion. Sheet UP 3 is only being resubmitted because of the reason. No other changes to this sheet.

UP 4 SHEET

- 1) See comment #1 under "UP 3 SHEET" above. Same reason. No other changes to this sheet.

UP 5 SHEET

- 1) Per **city comment #3** a isometric shield detail has been to the bottom center of the sheet. This will be a wall mounted, custom, painted steel shield with coverage on (3) sides and the top. This will be installed at every 'L2' fixture on site. All faces are transparent to show how it fits around the existing lights themselves for reference only. In the field they will be painted steel, no transparency.

UP 6 SHEET

- 1) Added a sheet with a satellite image showing the properties in proximity to the project site. All locations of leased parking stalls are outlined and noted. Dimensions are included where needed.

UP 7 SHEET

- 1) This elevation #2 has been revised to show the acoustical canopy extended on the north/south perimeter wall to the northeast corner. Elevation #4 has been added to show some walls changes and acoustical canopy above the entire north wall as referred to in citizen comment #9. The patio is now completely surround with acoustical canopy.

*Responses to **city comments #1 and #4** and the **citizen comments** will be provided by other team members.

Sincerely,

Jeff Pielage, LEED AP
Extollo design, LLC
480-888-6565

Attachments:

- (8) Site Plan (UP 1) sheets (Various sizes)
- (4) Lighting Site Plan (UP 2) sheets (Various sizes)
- (4) Site Photo / Elevation Information (UP 3) sheets (Various Sizes)
- (4) Stage Plans & Photos (UP 4) sheets (Various sizes)
- (4) Site Lighting Specifications/Cut Sheets (UP 5) sheets (Various Sizes)
- (4) Leased Parking Stall Plan (UP 6) sheets (Various sizes)
- (4) Sound Mitigation Elevations (UP 7) sheets (Various sizes)

EARL, CURLEY & LAGARDE, P.C.
ATTORNEYS AT LAW

Telephone (602) 265-0094
Fax (602) 265-2195

3101 North Central
Avenue
Suite 1000
Phoenix, Arizona 85012

TRANSMITTAL

TO: **Bryan D. Cluff, LEED AP**
Senior Planner
City of Scottsdale
Planning & Development
Phone: 480-312-2258
Fax: 480-312-7088
bcluff@ScottsdaleAZ.gov

FROM: Greg Loper
DATE: March 12, 2019
RE: **BLK Live; CUP re-submittal**
12-UP-2018 &
13-UP-2018

THIS COMMUNICATION CONTAINS CONFIDENTIAL AND ATTORNEY-PRIVILEGED INFORMATION INTENDED FOR THE USE OF THE ABOVE DESIGNATED RECIPIENT ONLY AND NON-AUTHORIZED COPYING OR DISTRIBUTION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE CONTACT OUR OFFICE IMMEDIATELY. THANK YOU.

- VIA FAX/NUMBER:** _____ # of Pages _____
(Including this page)
- VIA MAIL**
- VIA MESSENGER**
- SELF-DELIVERY**

COMMENTS

Bryan,

Enclosed with our resubmittal of the Conditional Use Permit application are the following revised materials:

- Response Letter
- Project Narrative for Bar (12-UP-2018)
- Project Narrative for Live Entertainment (13-UP-2018)
- Sound Study
- Site Plan (UP 1) – at 24"x36", 11"x17" & 8.5"x11"
- Lighting Site Plan (UP 12) – at 24"x36", 11"x17" & 8.5"x11"
- Site Photo / Elevation Information (UP 3) – at 24"x36", 11"x17" & 8.5"x11"
- Stage Plans & Photos (UP 4) – at 24"x36", 11"x17" & 8.5"x11"
- Site Lighting Specifications/Cut Sheets (UP 5) – at 24"x36", 11"x17" & 8.5"x11"
- Leased Parking Stall Plan (UP 6) – at 24"x36", 11"x17" & 8.5"x11"
- Sound Mitigation Elevations and Section (UP 7) – at 24"x36", 11"x17" & 8.5"x11"
- Photometric Analysis Plan (DR1.0) – at 24"x36", 11"x17" & 8.5"x11"
- **Compact Disc ("CD") with pdf's of all of the above**

13-UP-2018
03/12/2019

Please let me know of anything else that is needed – thanks so much for all of your help!

BLK Live – 7301 East Butherus Drive, Scottsdale

Conditional Use Permit for Live Entertainment

Case #: 13-UP-2018

Date Prepared: March 5, 2019

PROJECT NARRATIVE

Introduction & Background:

BLK Live is a restaurant, bar and entertainment venue located at 7301 East Butherus Drive in Scottsdale.

The site is zoned C-2. In 2011, the City Council approved zoning Case No. 33-UP-2011, a Conditional Use Permit for a Bar Use for an existing restaurant at the subject site. In 2014, the City Council approved Case No. 12-UP-2013, a Conditional Use Permit for Live Entertainment for an existing bar and restaurant establishment. The venue originally operated as more of a Hip Hop and dance club venue.

In recent years, the establishment has successfully operated a high-end restaurant and bar within the building and live music shows on the large, roughly 12,960 square foot exterior patio area. Documents from 2014 approval show a roughly 20' wide x 10' deep sized stage on the site plan. The current stage is roughly 28' wide x 20' deep. The truss system which envelopes the stage makes the stage appear roughly 6-feet wider on each side.

DOES NOT MATCH SITE PLAN

It is important to note; stage size has no correlation to the sound produced by the venue. Noise production is more reflective of sounds systems, speakers, volume controls, noise mitigation measures and other factors.

The purpose of this application is to update the Live Entertainment CUP to create parameters for which any future stage could operate under.

The purpose of this application for a Conditional Use Permit is to update the existing/previous C.U.P. to indicate compliance with the existing Conditional Use Permit criteria for Live Entertainment as required by the City of Scottsdale.

APPROVAL CRITERIA

The City of Scottsdale Zoning Ordinance, Section 1.400 (Conditional Use Permits), sets forth the following approval criteria:

**13-UP-2018
03/12/2019**

- A. Granting the CUP will not be materially detrimental to the public health, safety or welfare. In reaching this conclusion, consideration shall include, but not be limited to, the following factors: (1) Damage or nuisance arising from noise, smoke, odor, dust, vibration or illumination; (2) impact on surrounding area resulting from and unusual volume or character or traffic.**

Approval of the CUP request will not be materially detrimental to the public health, safety or welfare. Noise mitigation measures have, and will continue to be taken, and the venue will continue to be in compliance with the City's noise ordinance and requirements. (See Item #12 below.) The project will not emit smoke, odor, dust, vibration, or illumination such that damage or nuisance occurs. It is also important to note the venue is adjacent to an active airport runway which contributes to the ambient conditions of the area. Traffic patterns in the area are already well established.

- B. The characteristics of the proposed use are reasonably compatible with the types of uses in the surrounding areas.**

A stage for live entertainment has been in operation at this site for years. The request to create parameters for the stage is to ensure it remains reasonably compatible with the characteristics of the existing venue. The site plan submitted reflects the dimensions of the existing stage, which would constitute a parameter for the stage area going forward.

The site is adjacent to the Scottsdale Airport/Airpark.

- C. The additional conditions specified in Zoning Ordinance Section 1.403, as applicable, have been satisfied.**

Under Section 1.403 of the Scottsdale Zoning Ordinance ("Additional conditions for specific conditional uses."), there are additional conditions under subsection "K" related to "Live Entertainment". These are as follows:

- 1. The applicant has provided and obtained City approval of a written Security and Maintenance Plan.**

The establishment currently operates under an approved Security and Maintenance Plan and no changes are anticipated with this updated application as the request simply creates parameters for the existing stage area.

- 2. The applicant has provided written evidence that sound resulting from indoor live entertainment will be contained within the building, except where external speakers are permitted by Conditional Use Permit to allow indoor live entertainment to be heard outdoors.**

The existing venue operates as an outdoor live music venue with exterior speakers. Numerous noise mitigation measures have been and continue to be taken to ensure reasonable noise levels. Measurements taken by the City and the Applicant have

never exceeded the 68db code requirements. (See Item #12 below.)

- 3. The applicant has provided a lighting plan that addresses exterior lighting on the property, in accordance with Article VII. of the Zoning Ordinance and the Security and Maintenance Plan requirements.**

Lighting data has been submitted herewith.

- 4. The applicant has provided a floor plan which identifies the areas for the primary use and for accessory functions, including but not limited to areas for performances.**

12-UP-2013
The establishment currently operates under an approved site plan (see approved Case ~~#400-SA-2010~~) a copy of which is provided with this application. This application adds the dimension of the existing stage.

- 5. If the establishment is not in the Downtown Area, and access to the establishment is from a street other than one classified by the Transportation Master Plan as minor collector or greater, the applicant shall provide a traffic analysis which complies with the City's transportation guidelines. The traffic analysis shall demonstrate that the level of service on all streets accessed by the use meets the City's standards.**

The establishment is not located in the Downtown Area and is accessed by a local commercial street. A traffic analysis was included with previous approvals and shows that the level of service meets City standards.

- 6. If the Zoning Administrator determines that a parking study is necessary the applicant shall provide a study which complies with the City's requirements.**

Per discussion with Staff, a total of 183 spaces are required. The site plan reflects 111 onsite and 64 offsite parking spaces. An agreement for these offsite parking spaces has been provided to the City of Scottsdale.

- 7. The owner shall provide any additional information required by the Zoning Administrator to evaluate the impacts of the proposed use upon the area.**

To date, the only additional information that has been requested is a sound study, which – upon completion – will be provided to the City. No additional information has been requested. The applicant will continue to work with the City and the public on any requested information.

- 8. All building openings such as doors, windows and movable wall panels shall be closed but not locked, except as permitted by Conditional Use Permit. Doors and service windows may be opened temporarily to allow passage.**

All building openings will be closed but not locked, except doors and windows leading to any pool or patio.

9. **No external speakers used for live entertainment or outdoor live entertainment activities will be permitted on the premises of a use, which is located within five hundred (500) feet of a residential district shown on Table 4.100.A.**

The property is not located within 500-feet of a residential district.

10. **The owner and operator shall comply with all plans approved as part of the Conditional Use Permit.**

The owner and operator will comply with all plans and requirements of the approved CUP.

11. **All patron entrances shall be illuminated in accordance with the Building Code and the exterior lighting plans approved by the Development Review Board.**

Patron entrances are illuminated and in accordance with approvals.

12. **Noise generated from the live entertainment shall conform to the City's Noise Ordinance.**

The venue has and will continue to conform to the City's noise ordinance and will continue to work with nearby property owners, residents and business owners to mitigate potential issues.

The hanging sound system has been reduced from 12 cabinets to 10 (5 cabinets per side).

- a. The system was adjusted to re-aim the speakers further downward and was lowered as well to reduce spillage over the walls.
- b. The subwoofers were reduced from 6 to 4 (2 per side).
- c. A curfew of 11:00 p.m., or shortly thereafter, has been self-imposed, though the CUP allows shows to continue until 2:00 a.m. Applicant proposes to adjust the show hours to end at 11:30 p.m. Sunday through Thursday nights and 12:30 a.m. on Friday and Saturday nights.
- d. Applicant purchased a calibrated sound level meter to monitor a maximum dB limit at the Front of House mix position, approximately 65 feet from the speakers and stage. BLK staff monitors every outdoor event to ensure maximum level does not exceed 68 dB at the closest residential property line. The means for

ensuring this sound level is that constant measure of dB level at the mix position. So long as the sound level does not exceed 96 dB at that location, we know the sound level at the closest residential line is not exceeding 68 dB.

There are two (2) additional sound mitigation alterations being proposed. The first is to add sound absorbing materials to an existing mechanical screen on top of the adjacent building. The second is to add an acoustical canopy of those same materials on top of the existing site wall on two sides. Site Plan (UP 1) shows the locations and extents of these two changes. Conceptual building elevations and a conceptual section of the acoustical canopy are both shown on a sheet called Sound Mitigation Elevations & Section (UP 7).

CONCLUSION

The requested Conditional Use Permit involves a small change to the previously approved CUP and introduces additional sound reduction measures. The request also meets or exceeds the approval requirements noted in the zoning ordinance and described in detail above. The request will place parameters on future stages which may be erected or operated onsite. Approval of this request will not be detrimental to any adjacent properties or uses and will help maintain another quality amenity for Scottsdale residents and visitors alike.

Please feel free to contact me if you have any questions, or if you need any additional information.

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ensuring this sound level is that constant measure of dB level at the mix position. So long as the sound level does not exceed 96 dB at that location, we know the sound level at the closest residential line is not exceeding 68 dB.

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Please feel free to contact me if you have any questions, or if you need any additional information.



Earl, Curley & Lagarde, P.C.
Greg Loper, A.I.C.P.
3101 N. Central Avenue, Suite 1000
Phoenix, Arizona 85012

March 10, 2019

Re: **NOISE STUDY FOR BLK LIVE**

ACS has been retained to conduct a noise impact study for the live performances at BLK Live (7301 E Butherus Dr, Scottsdale) to the surrounding community.

TECHNICAL INFORMATION:

Noise

A-Weighted Sound Level (dBA) - Sound pressure level, filtered or weighted at the various frequencies to approximate the response of the human ear.

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Almost imperceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud

City of Scottsdale

Sec. 19-26. - Unreasonable noise created by businesses that serve alcohol or provide live entertainment prohibited.

- (A) It shall be unlawful for a business that serves alcohol or provides live entertainment to create unreasonable noise that through its operations disturbs the peace or quiet of a residential district that contains dwellings.
- (B) For making a determination that noise is unreasonable pursuant to this section, a reasonable person of normal sensibilities shall include Scottsdale police officers or other city employees designated by the City Manager to enforce this section.
- (C) A sound level meter may be used, but is not required, to assist in determining whether noise is unreasonable or not.
- (D) It shall be a rebuttable presumption under this article that noise levels over sixty-eight (68) dB(A) are considered unreasonable.

(E) The following activities are exempt from the provisions of this section: (1) Non-amplified noises resulting from the activities of the patrons of a business. (2) An event being held pursuant to a city issued special events permit provided that the business is operating in accordance with the conditions of that permit.

Noise Limits by Other Cities

Typical municipal ordinances set not to exceed limits and consider instantaneous noise levels below 50 to 55 dBA at night and 60 to 65 dBA during the day to be acceptable. Some suburban and rural municipalities have set nighttime limits as low as 45 dBA. (Handbook of Environmental Acoustics, James P. Cowan, 1994. pp. 217-218.)

The following are the residential maximum noise level limits for all of the Arizona municipal noise codes I could locate:

City	Limit		Notes
	Daytime (7am-10pm)	Nighttime (10pm-7am)	
Cave Creek	60 dBA (Leq)	50 dBA (Leq)	2-minute average
Gilbert	55 dBA	45 dBA	Inside home (w/doors & windows closed)
Paradise Valley	56 dBA	45 dBA	Nighttime 10pm-6am
Phoenix	55 dBA	55 dBA	Up to 60 dBA for 5 continuous seconds for 5 occurrences in a given hour is allowed.
Peoria	65 dBA	55 dBA	Nighttime 10pm-6am
Tempe	55 dBA	45 dBA	
Tucson	70 dBA	65 dBA	
Chino Valley	60 dBA	60 dBA	
Lake Havasu	65 dBA	45 dBA	
Maricopa	70 dBA	60 dBA	Nighttime 10pm-6am
Nogales	65 dBA	55 dBA	
Page City	70 dBA	60 dBA	Nighttime 11pm-6am
Pinetop-Lakeside	92 dBA	65 dBA	Nighttime 11pm-7am
Snowflake	60 dBA	45 dBA	
Wickenburg	70 dBA	62 dBA	
Yuma City	70 dBA	65 dBA	

FINDINGS:

Ambient Noise Measurements

Ambient noise level measurements were conducted at the closest residential properties without activity at BLK Live. The measurements were performed on weekday nights (2/19/19 & 3/6/19) from approximately 10-11pm. (See Measurement Location Exhibit 3.)

Date	Location	Measurement Results		
		Minimum	"Average"	Maximum
Tuesday 2/19	Academy	43.1 dBA	50.0 Leq	64.0 dBA
	Home 1	37.2 dBA	40.4 Leq	48.4 dBA
	Home 2	36.7 dBA	54.4 Leq	71.8 dBA
Wednesday 3/6	Apartments 2	43.8 dBA	54.5 Leq	72.9 dBA

Noise Measurements During Live Events

Noise level measurements were performed from approximately 8-10pm on 2/10/19 during a live event (YNT concert). This performance was selected as a louder/loudest event (verified by the neighbors). (See Measurement Location Exhibit 1.)

Location	Music Noise Level*	Ambient (2/19)	Notes
100' (Park & Ride)	<51 dBA	-	Well below ambient
Academy	≤45 dBA	50.0 Leq	
Home 1	47-50 dBA	40.4 Leq	
Home 2	≤46-49 dBA	54.4 Leq	
Backyard	≤45-47 dBA	-	
Apartments	Not Audible	-	

Noise level measurements were performed from approximately 11pm-12:30am on 2/16-17/19 during a live event (European concert). Please see Measurement Location Exhibit 2.

Location	Music Noise Level*	Ambient (2/19)	Notes
100' (Park & Ride)	<50 dBA	-	Well below ambient
Academy	≤43-44 dBA	50.0 Leq	
Home 1	≤43 dBA	40.4 Leq	
Home 2	<43 dBA	54.4 Leq	
Home 5	<40 dBA		
Home 6	<40 dBA		
Apartments	Not Audible	-	
Home 3A	Not Audible		
Home 3B	Not Audible		
Home 4	Not Audible		

Noise level measurements were performed during a live event (Buckethead concert) from approximately 9-10pm on 3/2/19. Please see Measurement Location Exhibit 3.

Location	Music Noise Level*	Ambient (Other Nights)	Notes
Academy	Not Audible	50.0 Leq	
Home 1	Not Audible	40.4 Leq	
Home 2	Not Audible	54.4 Leq	
Home 3	Not Audible		
Apartments 1	Not Audible	-	
Apartments 2	≤49 dBA	54.5 Leq	Somewhat audible but less than the minimum ambient

*Virtually all of the music measurements were biased (or dictated) by the ambient.

NOTE: Measurements were performed with a Type 1 (accuracy) sound level meter set to A-weighting and slow response. The meter was calibrated before and after the tests with a 0.0 dB deviation.

In all cases, the music noise level was substantially quieter than 68 dBA. The measured music noise level was also quieter than typical municipal nighttime noise level limits of 50-55 dBA and most of Arizona's other city's nighttime noise level limits. Additionally, virtually all of the music noise level measurements were within or quieter than the typical ambient levels of this area.

NEIGHBORS COMMENTS

ACS has been asked to review the neighbors' comments. Unfortunately, they include comments that are false and very misleading:

"Every 3dB increase in noise level is equivalent to doubling the amount of noise being produced. For instance, if we assume that ambient noise level is 45dB, then noise coming from BLK Live that is 48dB (3dB increase) would result in making the area twice as noisy as it would otherwise. Since BLK Live is measuring themselves against 68dB, which is almost 8 times as loud as ambient level of the area, we hope this helps to clarify why we are experiencing so much of a problem with noise level being produced by BLK Live today."

This statement is false and very misleading. All references (including EPA, WHO, City of Scottsdale) describe a 10-decibel increase as "twice as loud" and a 3-decibel increase as "just" or "barely" perceptible/noticeable. (Please see attached exhibit "From the City of Scottsdale Website".)

The music noise levels are not "8 times as loud as ambient level of the area", they are within or quieter than the typical ambient levels of these neighborhood areas.

"There are hundreds of multi-family dwellings situated not more than 300 ft North of the stage area today, and more being built. The City of Scottsdale has zoned for these housing developments, so they need to account for them."

This is false and is very misleading. The nearest existing multi-family dwelling is Alliance Residential's Broadstone Scottsdale Quarter Apartments. These apartments are located more than 1000' from BLK Live's stage area. The Lennar project (planned for 2020) is south of the Broadstone and is approximately 600' away from BLK Live's stage area – not 300'.



NOISE ATTENUATION

Speaker Orientation - The system was adjusted to re-aim the speakers further downward and was lowered as well to reduce spillage over the walls. ACS was informed that this improved the existing barrier effectiveness by 4-6 decibels (measured by a different third-party entity). A 5-decibel improvement is classified as "clearly" noticeable.

Acoustic Canopy – An acoustical canopy will be constructed around the entire patio. This canopy will extend the existing wall to a height of 18'. Additionally, the face of the canopy (on the sound source side) will be acoustically absorptive and the top will angle back to the sound source – both of which will further improve its barrier effectiveness. This canopy will reduce the potential noise impact by at least 5 decibels for the residences to the south and by at least 10 decibels to the apartments to the north. (A 10-decibel improvement is classified as half as loud.)

ENTERTAINMENT DISTRICT

Measurements at the Broadstone apartments to the north were not initially performed within this analysis. I am under the impression that this area is within an entertainment district – with an expectation of noise (including music). It is my understanding that this area is similar to the downtown Scottsdale entertainment district. I have worked for both the hotel and the Alliance Residential apartments in downtown Scottsdale for the music noise impact from the surrounding bars. ACS has documented numerous times when these bars have violated the City's 68 dBA noise limit. However, this area is exempt from the City noise ordinance.

Alliance Residential upgraded the isolation quality of their construction for their downtown Scottsdale buildings to help protect the apartment renters from the surrounding bar music. This same upgraded construction was also used at their Scottsdale Quarter project.

When I learned of the neighborhood concern for the apartments to the north, additional testing was performed:

The ambient noise level (measured on a quiet night, after 10pm, while BLK Live was closed and there was no audible music or event from the Scottsdale Quarter) was approximately 55 dBA Leq.

The music (during the 3/2/19 outdoor concert at BLK Live) was audible (at times) but less than 49 dBA.

This is substantially below the 68 dBA limit, below the majority of the other Arizona municipal nighttime residential noise level limits, and below the typical average ambient level of this area.

NOTE: The measurements to the north were during the quieter of the three measured concerts. The neighbors have stated that music from BLK Live has been 55 dBA. This should be verified by a professional. However, this would still be substantially below the 68 dBA limit, below many of the other Arizona municipal nighttime residential noise level limits, and within the typical average ambient level of this area. Additionally, these measurements (by ACS and the resident) were before BLK's proposed noise reduction construction procedures.

CONCLUSIONS

The proposed noise reduction construction procedures will reduce the noise impact by at least a clearly noticeable to a substantial amount. The procedures will allow the potential impact to be substantially below the 68 dBA limit, below the majority (if not all) of the other Arizona municipal nighttime residential noise level limits, and within or below the typical average ambient level of this area.

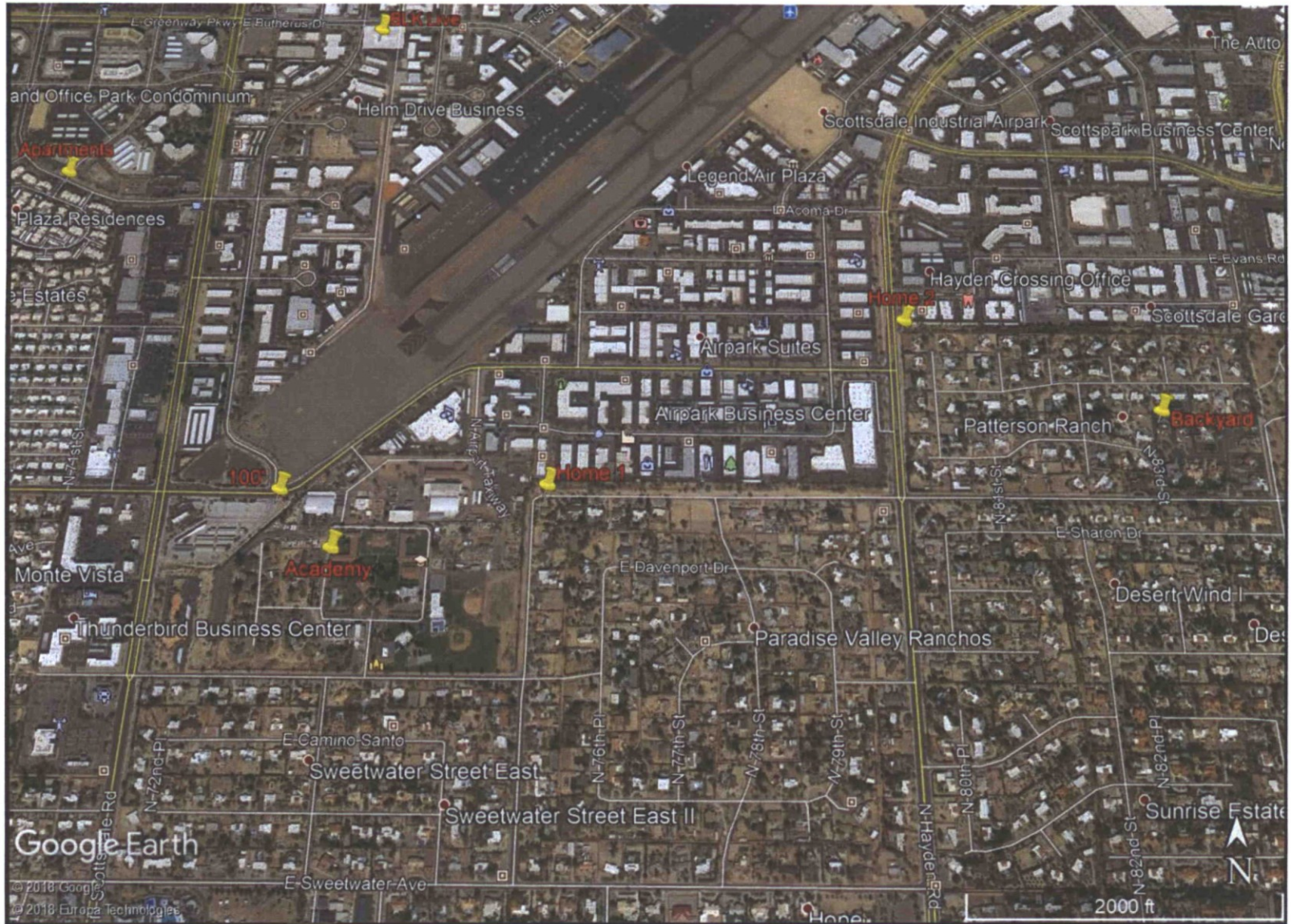
Please let me know if you have any questions or need additional information.

Respectfully,



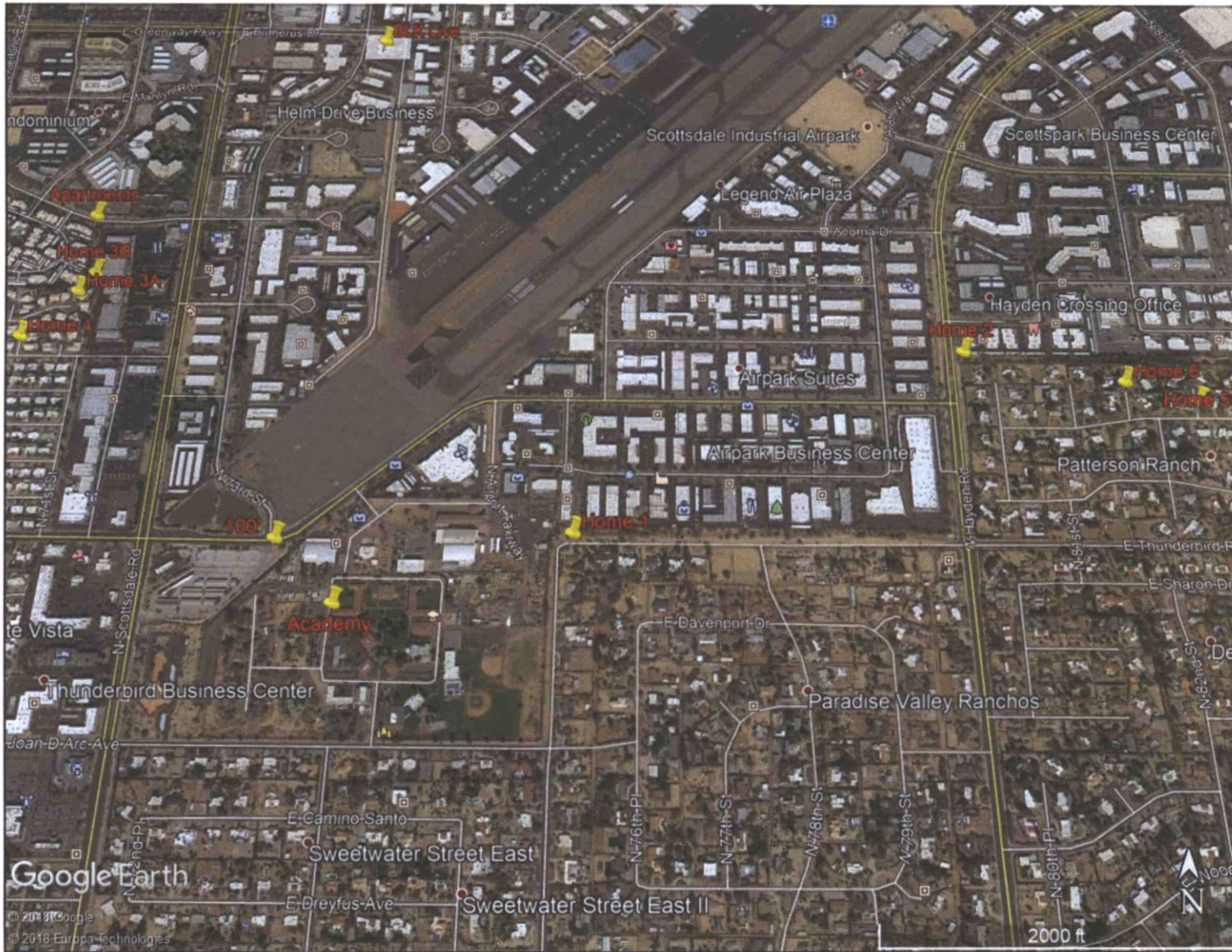
Tony Sola
Acoustical Consulting Services

Measurement Location Exhibit 1



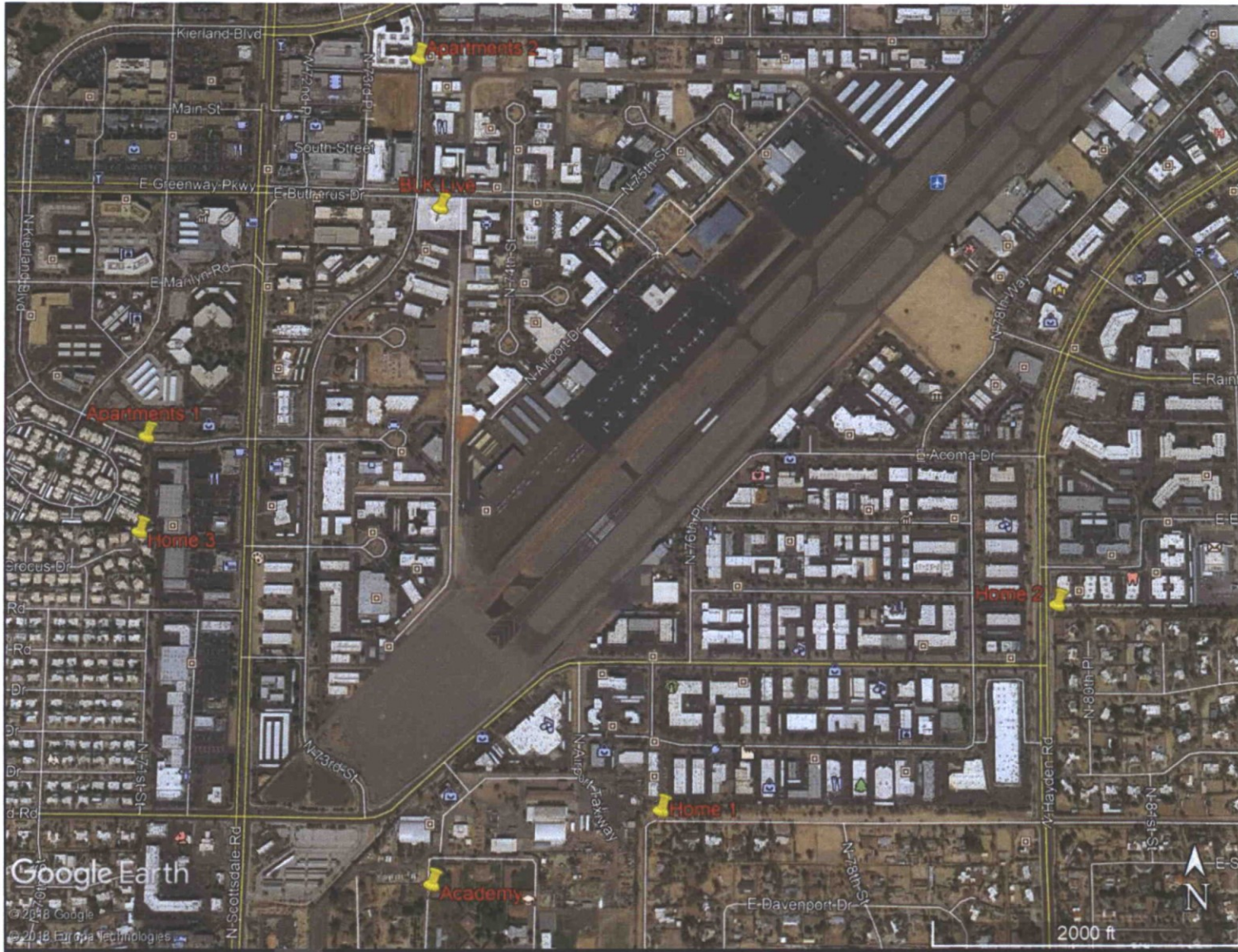
P.O. Box 41182 Mesa, AZ 85274
Tel: 480.827.1007 Fax: 480.644.0801

Measurement Location Exhibit 2



P.O. Box 41182 Mesa, AZ 85274
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Measurement Location Exhibit 3



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CITY OF SCOTTSDALE

NOISE ANALYSIS

PROCESS

1 Identify noise sensitive areas (homes, churches, etc.) of a potential traffic noise impacts

2 Determine existing noise levels by conducting noise measurements

3 Predict future noise levels and identify impacts of 64-dBA or more or if noise levels exceed existing by 15-dBA.

4 Evaluate and Propose abatement measures:

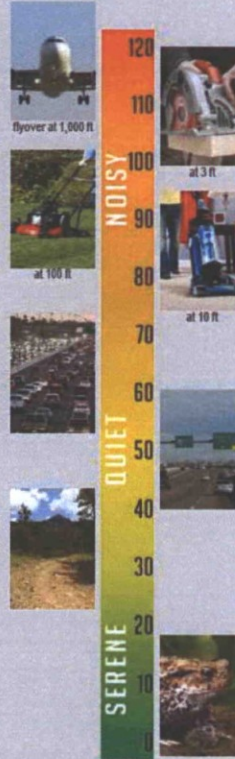
- City of Scottsdale allows a maximum of \$60,000 per benefitted property for at least a 5-dBA reduction
- Noise levels must be reduced to 64-dBA or lower

Noise abatement measures include:

- Noise walls, berms or a combination
- Acquisition of Right-of-Way to provide a Buffer Zone
- Change to Horizontal or Vertical Alignment
- Traffic Management Measures (Control Devices or Traffic/Vehicle Restrictions)
- Break the Line-of-Sight
- Noise abatement measure modeled out to 20 year estimations

5

COMMON INDOOR & OUTDOOR NOISE LEVELS



FACTS ABOUT NOISE

- Noise is unwanted sound. Noise is perceived differently by every individual.
- An increase of 10-dBA will cause the noise to be perceived as sounding twice as loud.
- The smallest change in noise level that can be detected by the human ear is about 3-dBA.
- Doubling the traffic volume on a highway will increase the noise level by 3-dBA.
- Barriers are designed to reduce noise to an acceptable or tolerable level.
- Noise barriers along a roadway are most effective for homes within about 300 feet of the closest travel lane.
- Noise walls range in height from 8 to 20 feet, depending on what height is needed to reduce the noise to an acceptable level.
- An earth berm (a large mound of packed dirt usually with landscaping) will provide slightly more noise reduction than a vertical barrier wall of the same height.
- Vegetation is another noise reducing element. Typical roadside landscaping does not affect noise levels.
- A noise barrier that breaks the line of sight between the source (traffic) and the receiver (residents) reduces noise by approximately 5-dBA. Each additional foot of height reduces the noise level by another half decibel.



Earl, Curley & Lagarde, P.C.
Greg Loper, A.I.C.P.
3101 N. Central Avenue, Suite 1000
Phoenix, Arizona 85012

March 10, 2019

Re: **NOISE STUDY FOR BLK LIVE**

ACS has been retained to conduct a noise impact study for the live performances at BLK Live (7301 E Butherus Dr, Scottsdale) to the surrounding community.

TECHNICAL INFORMATION:

Noise

A-Weighted Sound Level (dBA) - Sound pressure level, filtered or weighted at the various frequencies to approximate the response of the human ear.

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Almost imperceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud

City of Scottsdale

Sec. 19-26. - Unreasonable noise created by businesses that serve alcohol or provide live entertainment prohibited.

- (A) It shall be unlawful for a business that serves alcohol or provides live entertainment to create unreasonable noise that through its operations disturbs the peace or quiet of a residential district that contains dwellings.
- (B) For making a determination that noise is unreasonable pursuant to this section, a reasonable person of normal sensibilities shall include Scottsdale police officers or other city employees designated by the City Manager to enforce this section.
- (C) A sound level meter may be used, but is not required, to assist in determining whether noise is unreasonable or not.
- (D) It shall be a rebuttable presumption under this article that noise levels over sixty-eight (68) dB(A) are considered unreasonable.

(E) The following activities are exempt from the provisions of this section: (1) Non-amplified noises resulting from the activities of the patrons of a business. (2) An event being held pursuant to a city issued special events permit provided that the business is operating in accordance with the conditions of that permit.

Noise Limits by Other Cities

Typical municipal ordinances set not to exceed limits and consider instantaneous noise levels below 50 to 55 dBA at night and 60 to 65 dBA during the day to be acceptable. Some suburban and rural municipalities have set nighttime limits as low as 45 dBA. (Handbook of Environmental Acoustics, James P. Cowan, 1994. pp. 217-218.)

The following are the residential maximum noise level limits for all of the Arizona municipal noise codes I could locate:

City	Limit		Notes
	Daytime (7am-10pm)	Nighttime (10pm-7am)	
Cave Creek	60 dBA (Leq)	50 dBA (Leq)	2-minute average
Gilbert	55 dBA	45 dBA	Inside home (w/doors & windows closed)
Paradise Valley	56 dBA	45 dBA	Nighttime 10pm-6am
Phoenix	55 dBA	55 dBA	Up to 60 dBA for 5 continuous seconds for 5 occurrences in a given hour is allowed.
Peoria	65 dBA	55 dBA	Nighttime 10pm-6am
Tempe	55 dBA	45 dBA	
Tucson	70 dBA	65 dBA	
Chino Valley	60 dBA	60 dBA	
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Ambient noise level measurements were conducted at the closest residential properties without activity at BLK Live. The measurements were performed on weekday nights (2/19/19 & 3/6/19) from approximately 10-11pm. (See Measurement Location Exhibit 3.)

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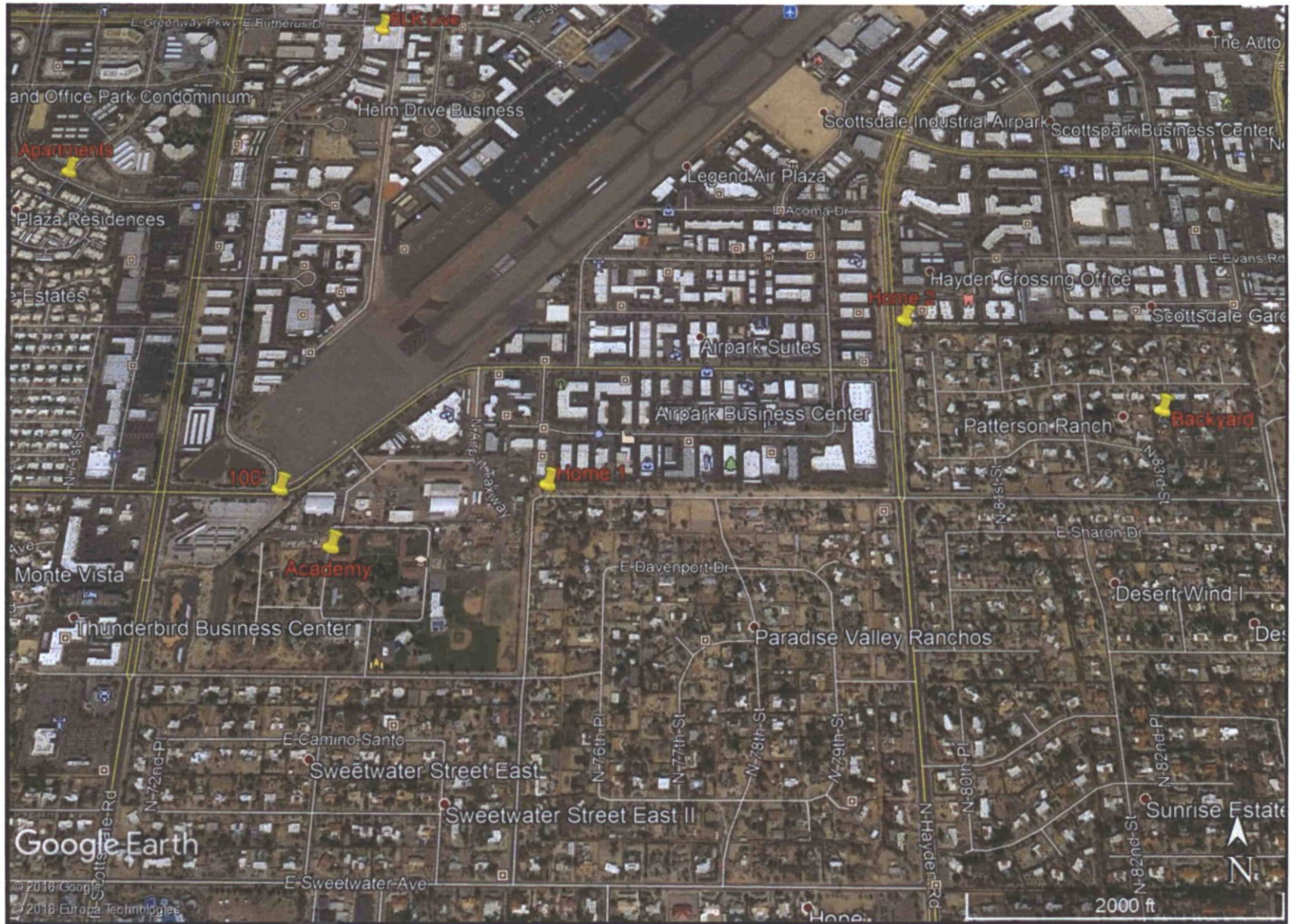
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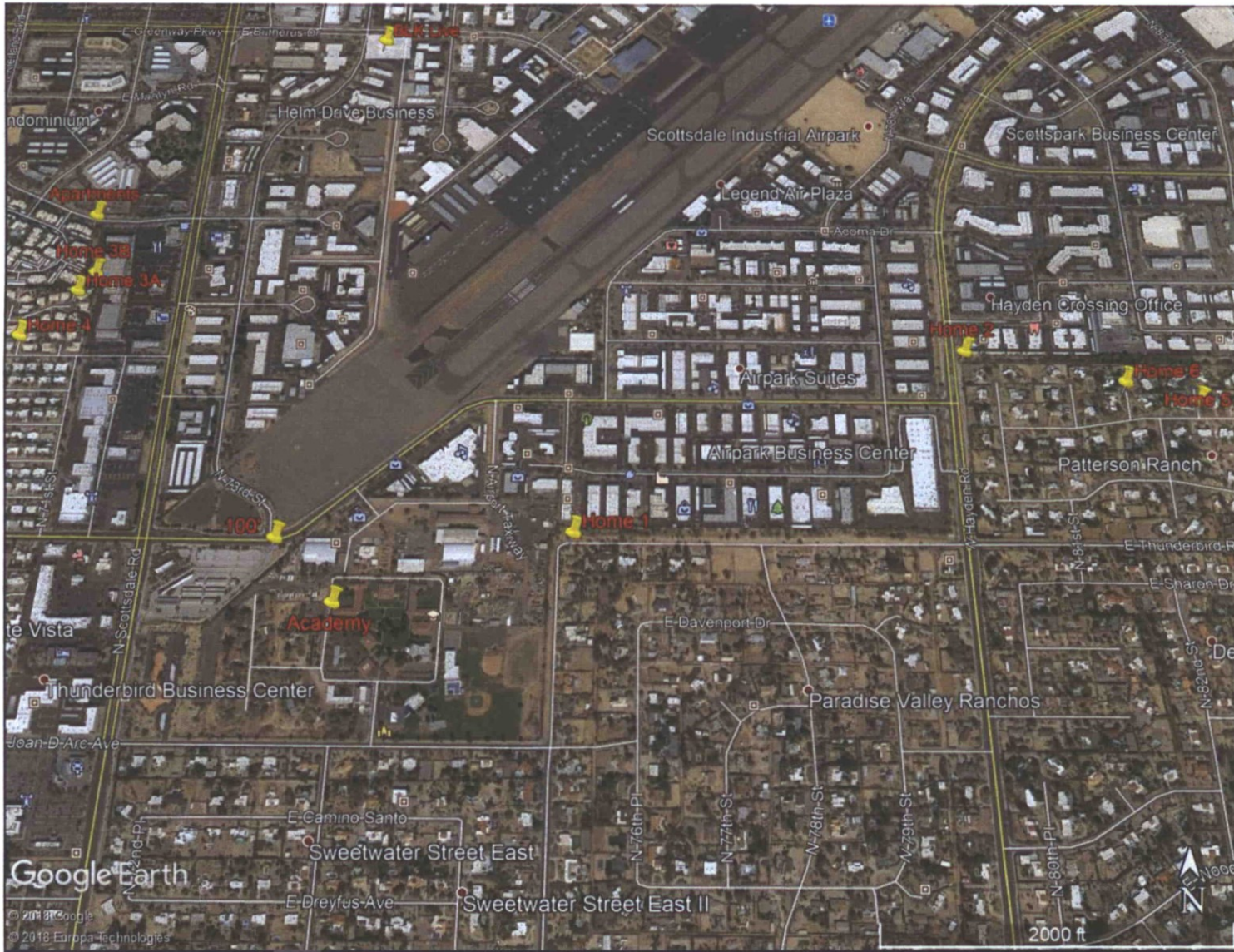
Tony Sola
Acoustical Consulting Services

Measurement Location Exhibit 1



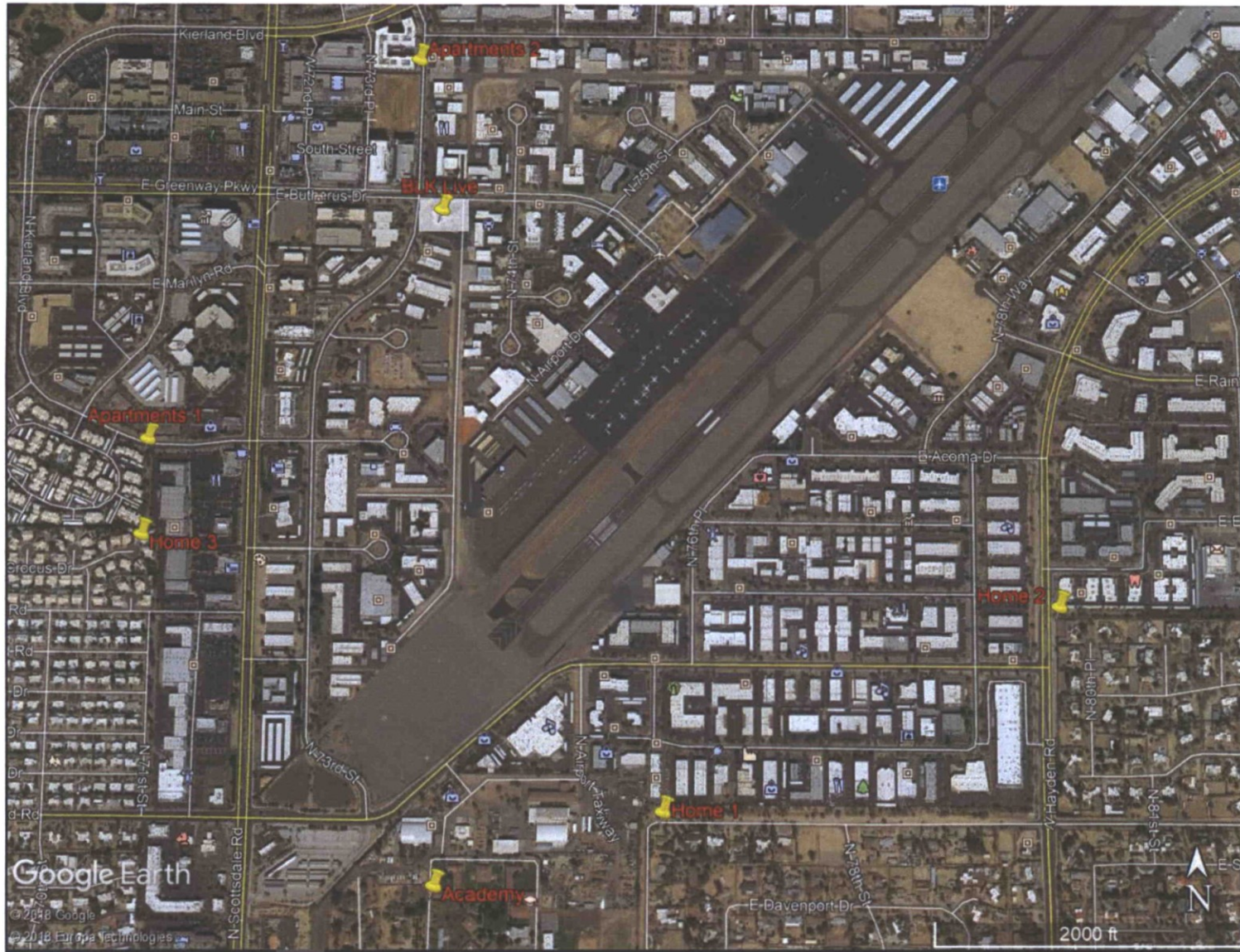
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Measurement Location Exhibit 2



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CITY OF SCOTTSDALE

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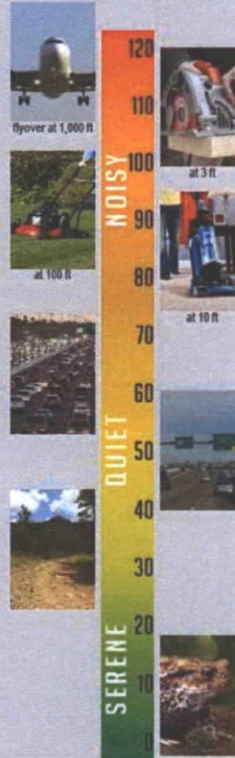
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5

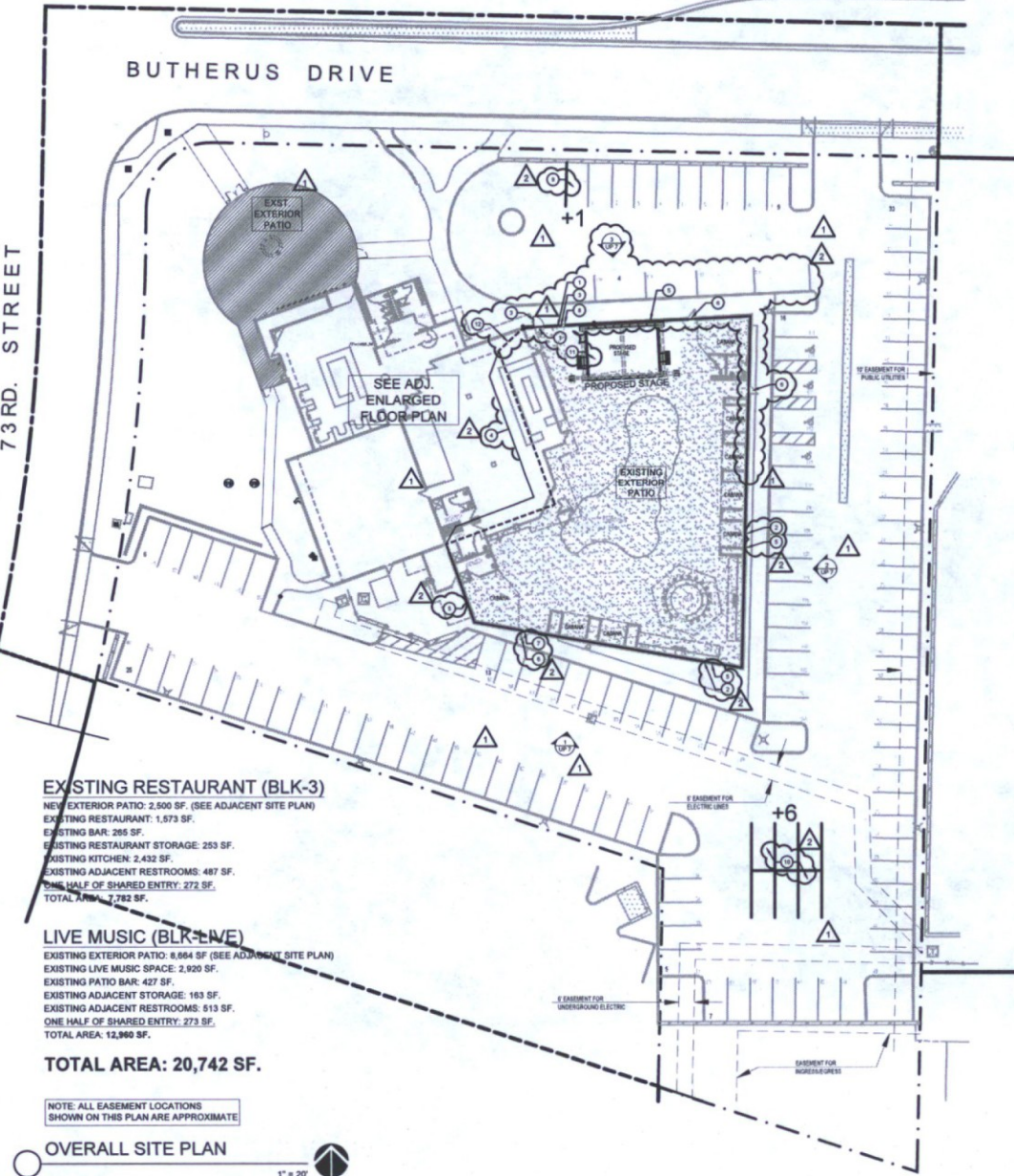
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EXISTING RESTAURANT (BLK-3)
 NEW EXTERIOR PATIO: 2,500 SF. (SEE ADJACENT SITE PLAN)
 EXISTING RESTAURANT: 1,573 SF.
 EXISTING BAR: 285 SF.
 EXISTING RESTAURANT STORAGE: 253 SF.
 EXISTING KITCHEN: 2,432 SF.
 EXISTING ADJACENT RESTROOMS: 487 SF.
 ONE HALF OF SHARED ENTRY: 272 SF.
 TOTAL AREA: 7,782 SF.

LIVE MUSIC (BLK-LIVE)
 EXISTING EXTERIOR PATIO: 8,664 SF. (SEE ADJACENT SITE PLAN)
 EXISTING LIVE MUSIC SPACE: 2,920 SF.
 EXISTING PATIO BAR: 427 SF.
 EXISTING ADJACENT STORAGE: 163 SF.
 EXISTING ADJACENT RESTROOMS: 513 SF.
 ONE HALF OF SHARED ENTRY: 273 SF.
 TOTAL AREA: 12,960 SF.

TOTAL AREA: 20,742 SF.

NOTE: ALL EASEMENT LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE

OVERALL SITE PLAN

1" = 20'

SITE PLAN KEYNOTES

- REMOVE EXISTING WOODGUT BRICK FINISH, WOODGUT IRON DOOR, AND DOOR HINGEWARE THIS LOCATION.
- REMOVE EXISTING PERFORATED STEEL MESH PANELS AND INSULATION AT BALCONY LOCATIONS AT THIS LOCATION. NEW WALL OPENINGS WITH SOLID FILLED CMU AND STUCCO FINISH TO MATCH AND ALSO WITH EASEMENT WALLS. SEE EASEMENT MAP UP 1.
- INSTALL APPROX. 25 LINEAR FEET OF 10"X10" STUCCO CLAD SOLID FILLED CMU WALL THIS LOCATION. PROVIDE NEW STRUCTURAL OPENING TO ACCOMMODATE NEW 4"X4" LIGHT INSULATED HOLLOW METAL DOOR WITH FRAME HARDWARE/LEADER AND SURFACE MOUNTED CLOSER WITH HOLD OPEN FUNCTION. REFER TO MATCH EXISTING EXIST DOORS.
- REMOVE EXISTING CORRUGATED SHEET METAL PANELS FROM NOTED SECTION OF EXISTING 4"X4" MECHANICAL SCREEN IN GROUP DIRECTLY ADJACENT TO THE EXTERIOR PATIO. ATTACH RUBBER AND THERMOPLASTIC ASSEMBLY AS SHOWN IN SECTION SHIP 1. THICK DASHED LINE INDICATES SCREEN LOCATION.
- ALL 4"X4" NEW AND EXISTING SOLID FILLED CMU WALLS SURROUNDING THE EXISTING PATIO TO RECEIVE NEW 6"X6" CONTINUOUS ACROUSTICAL ASSEMBLY ATTACHED DIRECTLY TO THE TOP OF CMU WALLS BELOW TOTAL HEIGHT APPROX. 1' 10" SEE SHEET UP 7 FOR EXTERIOR ELEVATIONS AND SECTION.
- PAVING EXTERIOR TO BE REMOVED AND REPLACED WITH NEW UNGLAZED HOLLOW METAL DOOR WITH RUBBER & THERMOPLASTIC ASSEMBLY ON INTERIOR FACE. DOOR SHALL BE 3'-0" WIDE AND SHALL HAVE FRAME HARDWARE.
- REMOVE SMALL SECTION EXISTING STEEL MESH ABOVE SOUTH EXIST DOOR. INSTALL STEEL LITELS AND PANEL WITH STUCCO CLAD BRICK FILLED CMU TO MATCH EXISTING.
- REMOVE ALL ACROUSTICAL ASSEMBLY SCREEN HERE FOR REFERENCE ONLY TO REVEAL WALL UNDERNEATH ASSEMBLY TO BE CONTINUOUS AT THIS LOCATION.
- ADDITIONAL PARKING STALLS TO BE ADDED HERE. DIMENSIONS TO MATCH ADJACENT STALLS.
- BLOCKY OF ALL PAVED STANDARD PARKING STALLS TO BE ADDED HERE FOR A GRAND TOTAL OF 21 NEW STALLS ON THE PROJECT SITE.
- PROPOSED STAGE PER CLP ALTERNATIVE.
- EXTEND EXISTING MECHANICAL ROOF SCREEN ASSEMBLY WITH ACROUSTICAL TREATMENT TO TOP OF GREAT TREE THIS LOCATION TO PROVIDE SOUND MITIGATION COVERAGE BETWEEN END OF EXISTING MECHANICAL ROOF SCREEN AND NEW ACROUSTICAL WALL BELOW.

SHEET INDEX

- UP 1 SITE PLAN & REVISED PARKING CALCULATIONS
- UP 2 ENLARGED LIGHTING SITE PLAN
- UP 3 SITE PHOTO & ELEVATION INFORMATION
- UP 4 STAGE PLANS & ELEVATIONS
- UP 5 SITE LIGHTING SPECIFICATIONS & CUT SHEETS
- UP 6 LEASED PARKING STALL PLAN
- UP 7 SOUND MITIGATION ELEVATIONS & SECTIONS
- DR1.0 PHOTOMETRIC ANALYSIS PLAN

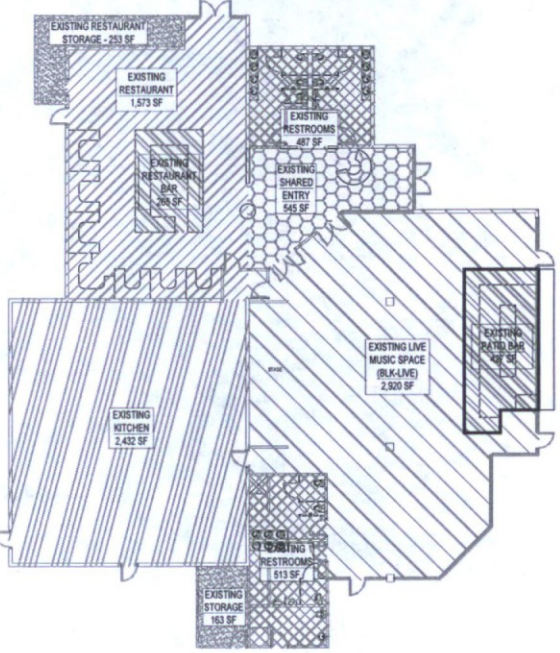
REVISED PARKING CALCS.

Exist. Restaurant + Bar + Kitchen: 1573+285+2438 = 4276 SF / 60 = 53.45 Stalls Req.
 Shared Entry: 545 SF / 60 = 9.08
 New Patio: 2500 SF - 200 / 200 = 11.5
 Restaurant Storage: 253 SF / 600 = 0.31
 Live Music Special Ad. Bar: 2920 SF + 427 SF / 60 = 55.78
 Existing Patio Space: 10,400 SF - 200 - 992 (Landscaping) / 200 = 48.04
 Storage: 163 / 600 = 0.20
 Restrooms (Bar Side): 487 / 60 = 8.09
 Restrooms (Live Music Side) 513 / 60 = 8.55
 Subtotal parking stalls required = (188.73) 189 stalls required

Parking Stall Reduction = A total reduction of (2) parking stalls per existing shower. (2) showers provided = (8) total parking stalls removed from required total.

TOTAL PARKING STALLS PROVIDED:
 (Current) Existing of project property: 119
 (Current) Leased parking stalls from adj. property (7333 E. Butherus Dr.): 22
 (New) Additional stalls on project property as part of re-aligning: +7
 (New) Leased parking stalls from adj. property (14807 N. 73rd St.): +27
 (New) Leased parking stall from adjacent property (14840 N. 74th St.): +8
 Total parking stalls provided: 183

TOTAL STALLS REQUIRED AFTER REDUCTIONS (REVISED): (189 - 8) = 183
TOTAL CURRENT PARKING STALLS PROVIDED: 183



ENLARGED FLOOR PLAN

3/32" = 1'-0"

EXTOLLO DESIGN

2152 E. CEDAR ST.
 TEMPE, AZ 85284
 480-888-7515

REFERENCE ONLY
 NOT FOR CONSTRUCTION

BLK LIVE - USER PERMIT
 7301 E. BUTHERUS DRIVE
 SCOTTSDALE, AZ 85024

SITE PLAN / REVISED PARKING CALCULATIONS

DRAWN: JTP

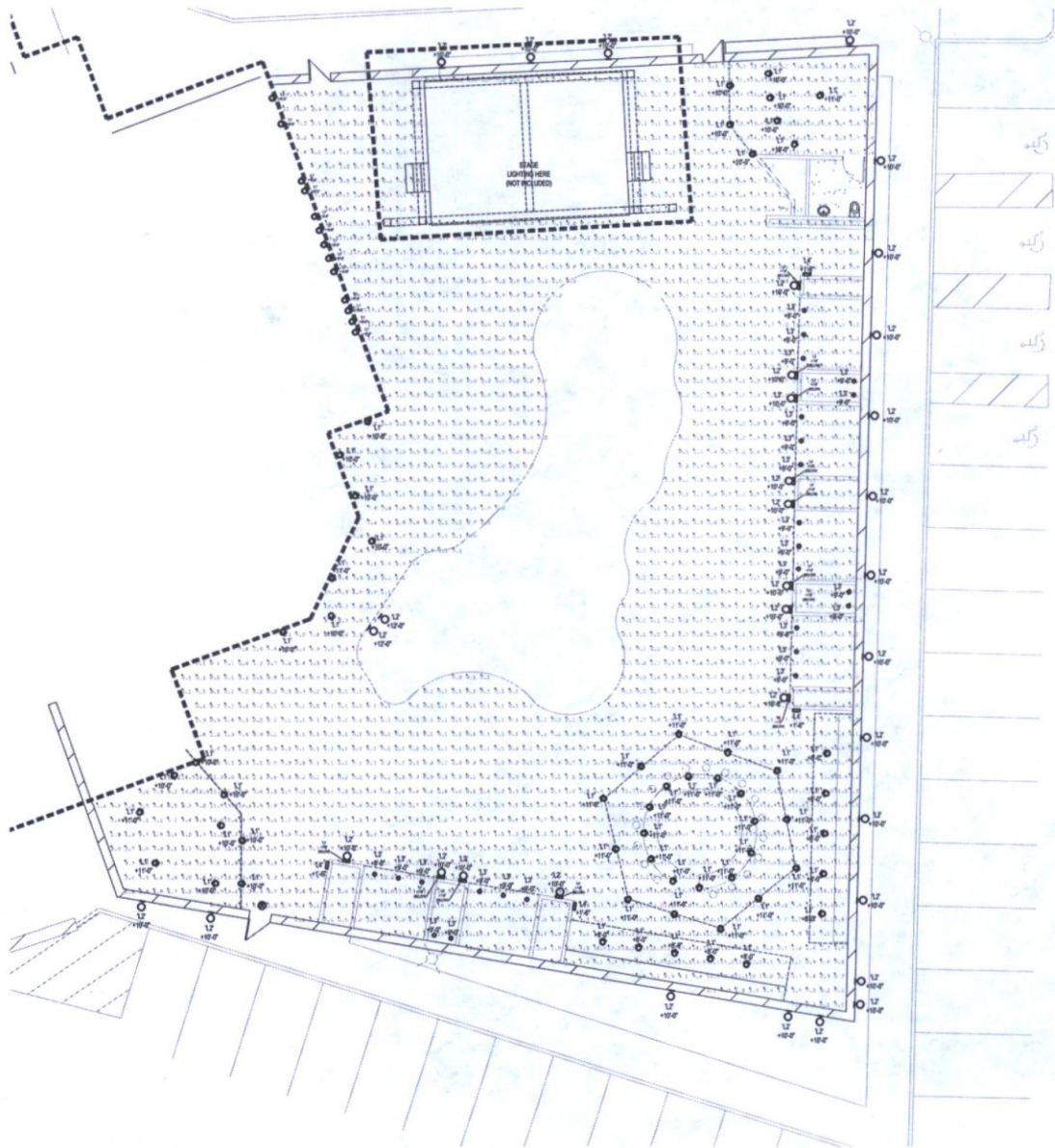
JOB NO. 15-001

DATE: 7.3.18

REVISED:
 USE PERMIT (15-UP-2018-UP-018)
 CITY COMMENTS 11.14.18 (15-UP-2018-UP-018)
 USE PERMIT (15-UP-2018-UP-018)
 CITY COMMENTS 1.25.19 (PRELIM. 3.3.18)

UP 1

13-UP-2018
 03/12/2019



Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LLF	Description	Tag	Lum. Lumens	Lum. Watts	MANUFACT
○	71	L1	SINGLE	0.900	RE-LED-66-WFL-12, AR-LED-18-66-WFL-12, AR-LED-18-66-WFL-12, OB-LED-66-WFL-12	VARIES	462	6.8	B-K LIGHTING, INC.
○	24	L3	SINGLE	0.900	SE-350 004 MR16 7W 40 370lm 3	VARIES	675	6.5	B-K LIGHTING, INC.
○	16	L4	SINGLE	0.900	CD-28-LED-66-A	VARIES	31	6.37	B-K LIGHTING, INC.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Patio Planar	Illuminance	Fc	4.51	23.9	0.0	N.A.	N.A.

ELECTRICAL SITE PLAN
1/8" = 1'-0"

EXTOLLO DESIGN
2122 E. SESAME ST.
TEMPE, AZ 85283
480-888-6565



BLK PATIO ADDITION
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

ELECTRICAL SITE PLAN

DRAWN: MA

JOB NO. 15-001

DATE: 7.3.18

REVISED:
1 USE PERMIT (13-UP-2018)13-UP-2018
CITY COMMENTS 10.31.19

13-UP-2018
03/12/2019

PRELIMINARY
NOT FOR CONSTRUCTION

Project Consultant: **MINDY ACKER**
PHOTOGRAPHY
HAWKINS DESIGN GROUP P.C.
ELECTRICAL CONSULTING ENGINEERS
302 SOUTH WILLOW AVE. SUITE 907
PHOENIX, ARIZONA 85004
TEL: 602.955.1000 FAX: 602.955.1001
EMAIL: ma@hawkinsdesign.com

DR1.0



Jeff Pielage <jpielage@exd-az.com>

BLK Resubmittal Transmittal

1 message

Jeff Pielage <jpielage@exd-az.com>

Wed, Mar 6, 2019 at 6:37 PM

To: Greg Loper <gloper@ecllaw.com>

Cc: rjarvis@ecllaw.com, Jeffrey Benice <JSB@jeffreybenice.com>, Rocco Visnjic <Rocco@blkliveaz.com>, tony@acoustics.com

Greg

The following is a list of every drawing, size, and quantity being delivered to you tomorrow afternoon (Thursday, March 7th). **All my sheets are being resubmitted.**

(2) - (UP 1) Site Plan (8.5x11)

(2) - (UP 1) Site Plan (11x17)

(4) - (UP 1) Site Plan (24x36)

(1) - (UP 2) Lighting Site Plan (8.5X11)

(1) - (UP 2) Lighting Site Plan (11X17)

(2) - (UP 2) Lighting Site Plan (24X36)

(1) - (UP 3) Site Photo / Elevation Information (8.5X11)

(1) - (UP 3) Site Photo / Elevation Information (11X17)

(1) - (UP 3) Site Photo / Elevation Information (24X36 COLOR)

(2) - (UP 3) Site Photo / Elevation Information (24X36 BW)

(1) - (UP 4) Stage Plans & Photos (8.5X11)

(1) - (UP 4) Stage Plans & Photos (11X17)

(1) - (UP 4) Stage Plans & Photos (24X36 COLOR)

(2) - (UP 4) Stage Plans & Photos (24X36 BW)

(1) - (UP 5) Site Lighting Specifications/Cut Sheets (8.5X11)

(1) - (UP 5) Site Lighting Specifications/Cut Sheets (11X17)

(2) - (UP 5) Site Lighting Specifications/Cut Sheets (24X36)

(1) - (UP 6) Leased Parking Stall Plan (8.5X11)

(1) - (UP 6) Leased Parking Stall Plan (11X17)

(2) - (UP 6) Leased Parking Stall Plan (24X36)

(1) - (UP 7) Sound Mitigation Elevations and Section (8.5X11)

(1) - (UP 7) Sound Mitigation Elevations and Section (11X17)

(2) - (UP 7) Sound Mitigation Elevations and Section (24X36)

(1) - (DR1.0) Photometric Analysis Plan (8.5x11)

(1) - (DR1.0) Photometric Analysis Plan (11x17)

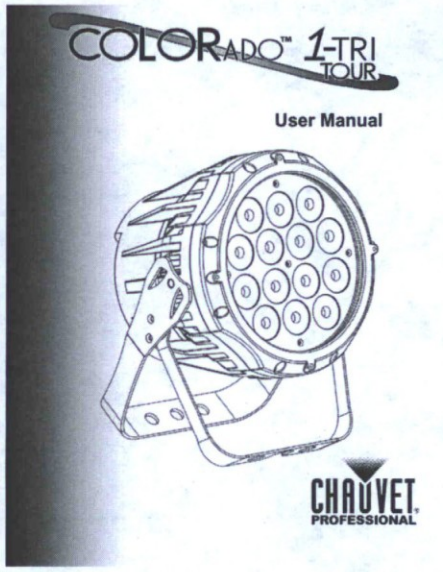
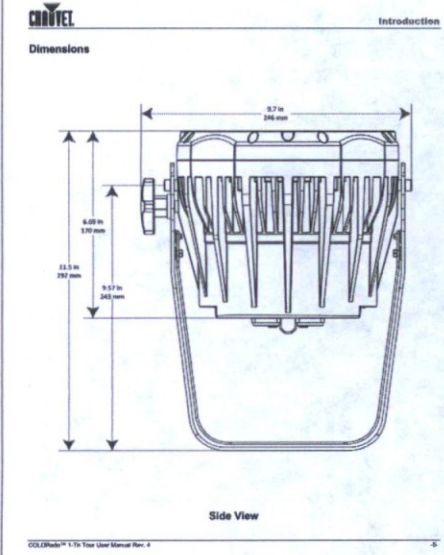
13-UP-2018
03/12/2019

(2) - (DR1.0) Photometric Analysis Plan (24x36)

I'm going to provide 8.5 x 11 city comment responses separately. I will just email those to you to print yourself. Also please send me a link to your drop box so I can download PDF's.

Thank you
Jeff Pielage, LEED AP
480-888-6565

13-UP-2018
03/12/2019



Technical Information

Technical Specifications			
Dimensions and Weight	Length	Width	Height
	8 in (203 mm)	8.7 in (218 mm)	11.5 in (292 mm)
	Note: Dimensions in inches rounded to the nearest decimal digit.		
	Weight: 8.5 lb (4 kg)		
Electrical	Power Supply Type	Range	Voltage Selection
	Substituting intervals	100-240 V, 50/60 Hz	Auto-ranging
	Parameter	120 V, 60 Hz	230 V, 50 Hz
	Consumption	87 W	93 W
	Operating current	0.73 A	0.4 A
	Power factor	14 products	26 products
Power I/O	U.S. Markets	Europe	
	Power input connector: Neutrik powerCON® A	Neutrik powerCON® A	
	Power output connector: Neutrik powerCON® B	Neutrik powerCON® B	
	Power cord plug: Edison (U.S.)	Local plug	
Light Source	Type	Power	Lifespan
	LED	3 W	50,000 hours
	Color	Quantity	Current
	Tricolor	14	300 mA x 3
Photometric	Parameter		
	Beam diameter @ 5 m	806 in	
	Beam angle	15°	
	Field angle	28°	
	Strobe rate	0-20 Hz	
Thermal	Max. External Temperature	Cooling System	
	104 °F (40 °C)	Convection	
DMX	IO Connections	Connector Type	Channel Range
	3- and 5-pin XLR	SubD15	3, 4, 5, 9, 13
Ordering	Product	Item Code	Item Number
	COLORado™ 1-Tri Tour	01630097	781482204228

CE, RoHS, MET, UL 1973, CSA C22.3 No. 166, E119093

COLORado™ 1-Tri Tour User Manual Rev. 4

2. Introduction

Product Description The COLORado™ 1-Tri Tour is an RGB wash product based on 14 bi-color (RGB) LEDs. It consists of a single pod with a double-bracketed mounting shoe. The AC power comes directly into the fixture's housing through a Neutrik powerCON® A socket. The power delivery uses a Neutrik powerCON® B socket. The DMX input and output sockets are of the 3-pin and 5-pin XLR type. The COLORado™ 1-Tri Tour uses a display-based control panel for programming functions.

Features

- 3-, 4-, 5-, or 13-channel tri-color LED wash product
- Operating modes:
 - 3-channel RGB control
 - 3-channel RGB control
 - 4-channel RGB, dimmer
 - 5-channel RGB, dimmer, strobe
 - 9-channel RGB, dimmer, macro, strobe, autozoom, auto speed, dimmer speed
 - 13-channel RGB, dimmer, strobe, macro, autozoom, dimmer speed, dimmer speed
- RGB color mixing with or without DMX control
- IP20-rated

DEPTH OF FIELD (Show Specs) | Color | Ellipsoidals | Beam | Profile | Show Specs

Free Expedited Shipping* to Phoenix

Home / Lighting & Studio / Light Mounts / Barndoors, Snoots & Grids / Lighting Snoots / ETC PSF1021

ETC Top Hat for Source 4 Ellipsoidals (Black) sku# ET40076B - MFR # PSF1021

Special Order | Expedited availability: 2-14 business days | Shipping Charges Apply

Revisions: (2) 9/16 - review - QSA

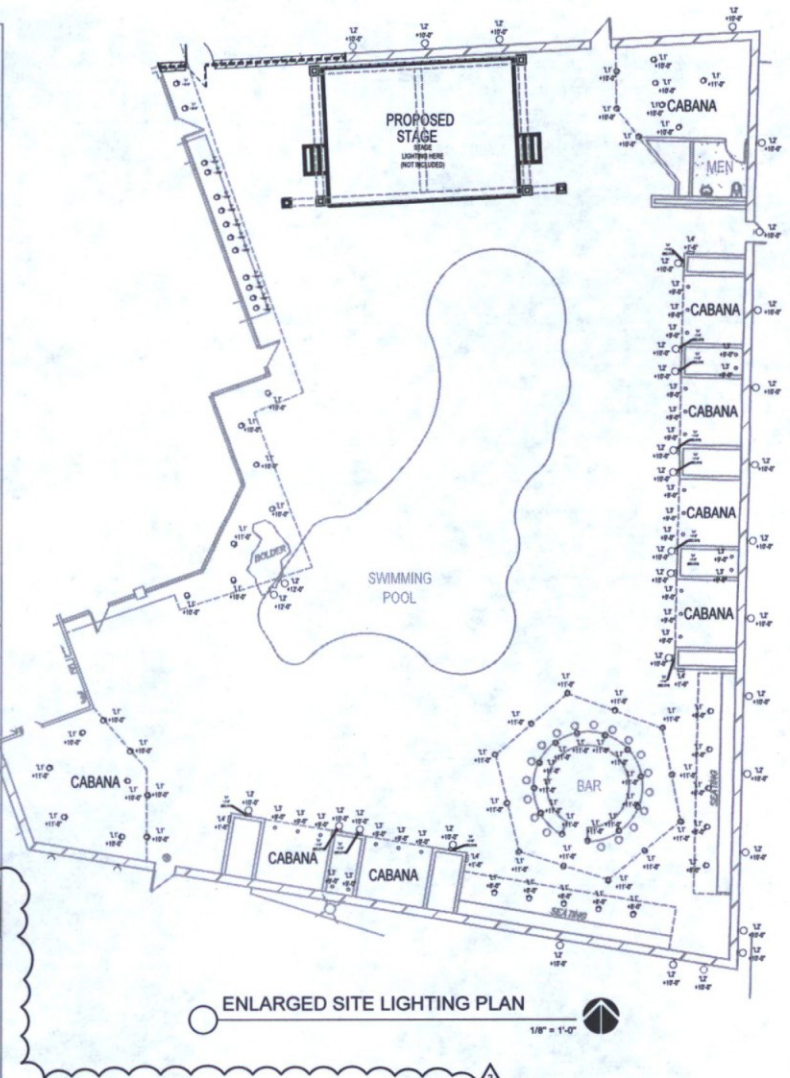
This item is noncancelable and nonreturnable.

Add to Cart | Add to Wish List

Price: \$24.00

True Know-How: Ask Our Experts | Use Chat: 800.226.7509 | Product: Ellipsoidals | Home

COLORado™ 1-Tri Tour User Manual Rev. 4



ETC PSF1021 Overview

The black Top Hat for ETC Source 4 Ellipsoidal spotlights acts as a secret in tracking the spread or flare of the beam emitted from the fixture. The tube length and spacing are 5" (12.7cm).

In the Box

- ETC Top Hat for Source 4 Ellipsoidals (Black)
- Lifetime 2 Year Warranty

NOTE TO CITY: SEE SHEET (UP 5) FOR LIGHT SPECIFICATIONS. LIGHT SPECIFICATIONS SHOW ON THIS SHEET ARE FOR THE THEATRICAL STAGE LIGHTS ONLY. THESE STAGE LIGHTS ARE NOT INCLUDED ON THE PHOTOMETRIC PLAN.

EXTOLLO DESIGN
 2152 E. RESERVE PT.
 TEMPE, AZ 85284
 480-848-5715

REFERENCE ONLY
 NOT FOR CONSTRUCTION

BLK USE PERMIT
 7301 E. BUTNERUS DRIVE
 SCOTTSDALE, AZ 85024

ENLARGED LIGHTING SITE PLAN

DRAWN: JTP

JOB NO. 15-001
 DATE: 7.3.18

REVISED:
 USE PERMIT (13-UP-2018) (15-UP-2018)
 CITY COMMENTS (11.24.18) (10.31.18)
 USE PERMIT (13-UP-2018) (15-UP-2018)
 CITY COMMENTS (1.28.19) (PRELIM. S.A. 18)

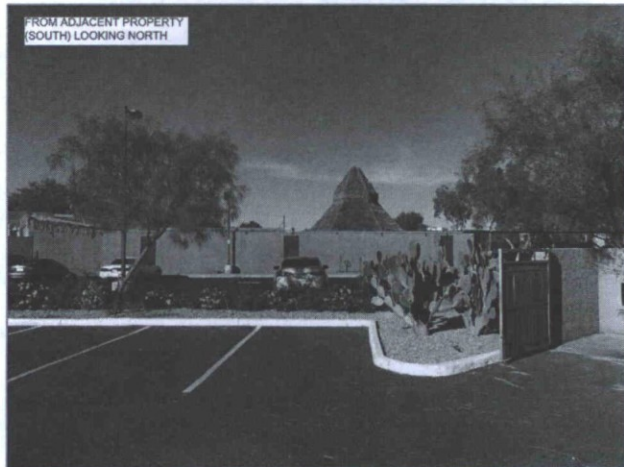
UP 2

13-UP-2018
 03/12/2019

**EXTOLLO
DESIGN**

2127 E. SECOND ST.
TAMPA, AZ 85505
408-588-7375

REFERENCE ONLY
NOT FOR CONSTRUCTION

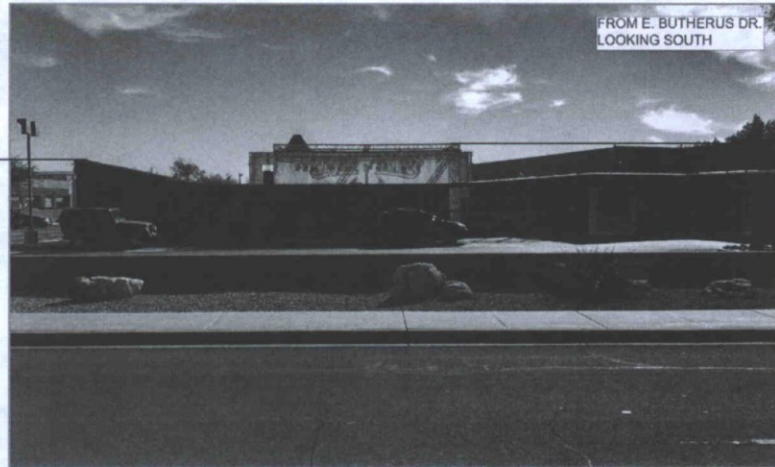


FROM ADJACENT PROPERTY
(SOUTH) LOOKING NORTH

SOUTH ELEVATION

NTA

3



FROM E. BUTHERUS DR.
LOOKING SOUTH

NORTH ELEVATION

NTA

1

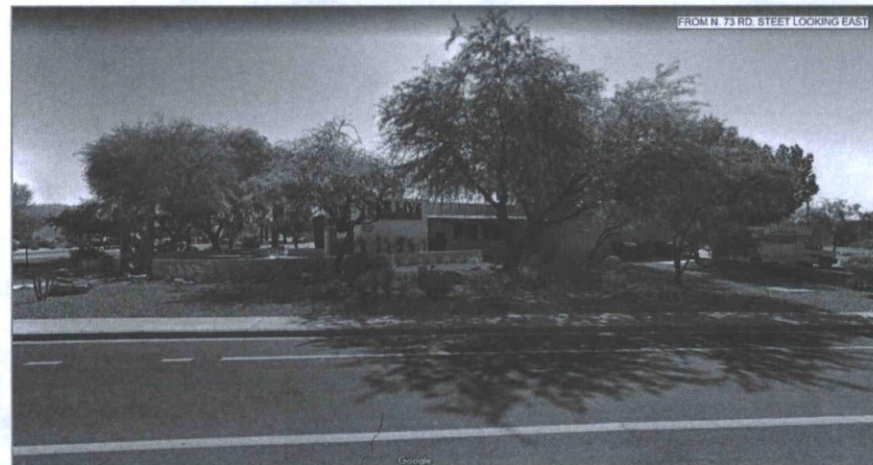
8'10"-0"
(T.O. WALL TYPICAL)

8'8"-0"
(T.O. WALL TYPICAL)

8'10"-0"
(T.O. MECH. SCREEN)

8'10"-0"
(T.O. STAGE TRUSS)

8'8"-0"
(T.O. WALL TYPICAL)



FROM N. 73 RD. STREET LOOKING EAST

WEST ELEVATION

NTA

4



FROM ADJACENT PROPERTY
(EAST) LOOKING WEST

EAST ELEVATION

NTA

8'10"-0"
(T.O. STAGE TRUSS)

8'10"-0"
(T.O. WALL AT CORNER)

8'8"-0"
(T.O. WALL TYPICAL)

BLK LIVE - USER PERMIT
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

SITE PHOTOS / ELEVATION INFO.

DRAWN: JTP

JOB NO. 15-001
DATE: 7.3.18

REVISED:
 USE PERMIT (24-AP-2018) (1)
 CITY COMMENTS 1.1.18 (2)
 USE PERMIT (24-AP-2018) (3)
 CITY COMMENTS 1.29.19 (4)

UP 3

**13-UP-2018
03/12/2019**

LED FLOOD LIGHTS **L2** **PLT**

FEATURES

- Easy Installation & Low Maintenance
- Linear Design

ADDITIONAL PHOTOS

LED-FLOODAWR8502 50W RGBW 10W 120-277 35000 3 years

ROHS

WARRANTY 3 Years

LUMEN OUTPUT FOR WHITE ONLY

Model	Color	LED Type	LED Qty	Max/Min Beam Angle (°)	Power (W)	Power Factor	Voltage	Beam Angle (°)	CR	IP
FL-100-AW-RGBW-S	RGBW	100W	360	50	100	> 0.95	120V	> 70	> 85	IP65
FL-100-AW-RGBW-S	RGBW	100W	360	50	100	> 0.95	AC/100-277V	120°	> 70	> 85
FL-300-AW-RGBW-S	RGBW	300W	1080	30	300	> 0.95	120V	> 70	> 85	IP65
FL-300-AW-RGBW-S	RGBW	300W	1080	30	300	> 0.95	AC/100-277V	120°	> 70	> 85

EL ELCO Lighting **L3**

4" Adjustable Reflector Trim

Features

- Reflector: 20" dia.
- Lamp: 100W with 100V, 5.0A, G24E, and PSEI2.
- O.D.: 4.31"

Specifications

Options

- Gold with White Ring: Copper, Chrome with White Ring
- Black with White Ring: Bronze, Clear
- Gold with Gold Ring: White with Gold Ring, Chrome with Gold Ring
- Black with Gold Ring: White with Gold Ring, Chrome with Gold Ring

Product Numbers

Item	Finish
EL43000	Chrome
EL43001	Chrome with White Ring
EL43002	White with Gold Ring
EL43003	White
EL43004	Black
EL43005	Clear

Lightology **L1**

CUL16 Halogen Landscape Bulb with Mounting Stake

DESCRIPTION: CUL16 Halogen Bulb with Mounting Stake features a fully adjustable inductance ballast arm and brass terminal and fully rotatable shroud in deep drawn mild copper. Finish in Natural Copper & bright color-weld unoxidized copper which will age naturally to a fine aged copper patina. Includes 1.4 inch diameter x 9.5 inch length SPAC mounting stake. Fixture features rugged 5 inch IPS flange, includes 12 volt, 20 watt GUS 3 MR16 halogen lamp, 35 watt maximum wattage. Provided with 3 foot length of 18.2 AWG wire. Includes low voltage quick connector (QC3) for easy hook up to the low voltage supply cable, and supporting 2.1 inch diameter x 7.2 inch length, ETL listed for wet locations, 5 year limited warranty. Required low voltage transformer and outdoor mounting accessories sold separately.

Product Number: HAD119338

Company: Lightology
Product: CUL16 Halogen Landscape Bulb with Mounting Stake
Return Type: Standard
Date: Nov 26, 2018

LED FLOOD LIGHTS **L2** **PLT**

FEATURES

- Easy Installation & Low Maintenance
- Linear Design

TYPICAL APPLICATIONS

- Gardens, Landscape Lighting
- Office Buildings, Billboards, etc.

WARRANTY 3 Years

LUMEN OUTPUT FOR WHITE ONLY

Model	Color	LED Type	LED Qty	Max/Min Beam Angle (°)	Power (W)	Power Factor	Voltage	Beam Angle (°)	CR	IP
FL-100-AW-RGBW-S	RGBW	100W	360	50	100	> 0.95	120V	> 70	> 85	IP65
FL-100-AW-RGBW-S	RGBW	100W	360	50	100	> 0.95	AC/100-277V	120°	> 70	> 85
FL-300-AW-RGBW-S	RGBW	300W	1080	30	300	> 0.95	120V	> 70	> 85	IP65
FL-300-AW-RGBW-S	RGBW	300W	1080	30	300	> 0.95	AC/100-277V	120°	> 70	> 85

L2-SHIELD

CONCEPTUAL LIGHT SHIELD, TYP.

1

REINFORCED STUCCO
GLASS BOLTS PLATED
BRASS STANDARD
ONE WALL BOLTS

NEW HORIZONTAL
STEEL FLANGE AND
HOLE TO
ACCOMMODATE
EXISTING LIGHT
MOUNT BOLT, TYP.
OF 20

NEW VERTICAL
STEEL FLANGE AND
ANCHOR BOLT TO
MATCH EXISTING AT
LIGHT MOUNT.
TYPICAL EACH SIDE.

WETTED PATCH
REPRESENTS NEW
CUSTOM FABRICATED MEDIUM
GRAINE STEEL
SHIELD TOP SHIELD TO
MATCH EXISTING AT
LIGHT MOUNT.
TYPICAL EACH SIDE.
UV PROTECTED PAINT
WETTED PATCH.

CRACK WATCH
REPRESENTS NEW
CUSTOM FABRICATED MEDIUM
GRAINE STEEL
SHIELD TOP SHIELD TO
MATCH EXISTING AT
LIGHT MOUNT.
TYPICAL EACH SIDE.
UV PROTECTED PAINT
WETTED PATCH.

EXISTING WALL
MOUNTED LED
FLOOD LIGHT
PORTED DOWN

LOUIE LIGHTING **L4**

RRCBL1-O - Mini Round Stepyte by Hadco Lighting

Specs

Material	304
Standard Warranty	10YR
Wash Type	WTR
Color Options	Yes

Wash and Option 1

Color	White
Size #	MRCL1-O
Price	\$214.00

NOTE TO CITY: LIGHT SPECIFICATIONS SHOW ON THIS SHEET REPRESENT THOSE EXISTING ON THE SITE NOW. I.E.S. FILES FOR THESE LIGHT DO NOT EXIST. THEREFORE ALL PHOTOMETRIC DATA USED IN THE RE-SUBMITTAL ARE BASED ON EQUIVALENT LIGHTS WITH I.E.S. FILES FOUND BY OUR ELECTRICAL ENGINEER. SEE PHOTOMETRIC PLAN.

EXTOLLO DESIGN
2122 E. DEERMEYER
TEMPLE, AZ 85285
485-638-7515

**REFERENCE ONLY
NOT FOR CONSTRUCTION**

BLK LIVE - USER PERMIT
7301 E. BATHURST DRIVE
SCOTTSDALE, AZ 85024

SITE LIGHTING SPECIFICATIONS / CUT SHEETS

DRAWN: JTP

JOB NO. 15-001

DATE: 7.3.18

REVISED:
USE PERMIT (CULP-0000000000)
CITY COMMENTS (L100-1000000000)
CITY COMMENTS (L100-1000000000)

UP 5

13-UP-2018
03/12/2019

THIS PROJECT
 7301 E BUTHERUS DR.
 EXISTING STALLS: 119 (EXST) + 7 (NEW)
 *SEE REVISED PARKING CALCULATIONS SHEET (UP 1).



14807 N. 73rd St.
 LEASED STALLS: 27
 *SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

7301 E. BUTHERUS DR.
 LEASED STALLS: 22
 *SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

14840 N. 74TH ST.
 LEASED STALLS: 8
 *SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

LEASED PARKING STALL LOCATION PLAN
 N.T.S.

EXTOLLO DESIGN
 2152 E. CEDARHURST ST.
 TEMPE, AZ 85285
 480-848-7575

REFERENCE ONLY
 NOT FOR CONSTRUCTION

BLK LIVE - USER PERMIT
 7301 E BUTHERUS DRIVE
 SCOTTSDALE, AZ 85024

LEASED PARKING STALL LOCATION PLAN

DRAWN: JTP

JOB NO. 15-001
 DATE: 7.3.18

REVISED:
 1. USE PERMIT (12/04/2018)
 2. CITY COMMENTS (11/18)
 3. USE PERMIT (12/04/2018)
 4. CITY COMMENTS (1/19 PREVIOUS 1/8/18)

UP 6

13-UP-2018
 03/12/2019

REFERENCE ONLY
NOT FOR CONSTRUCTION

BLK LIVE - USER PERMIT
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

SITE PLAN / REVISED PARKING CALCULATIONS

DRAWN: JTP

JOB NO. 15-001

DATE: 7.3.18

REVISED:

- 1 USE PERMIT (12-UP-2018/13-UP-2018)
CITY COMMENTS 11.30.18 (SUB. 1.4.10)
- 2 USE PERMIT (12-UP-2018/13-UP-2018)
CITY COMMENTS 1.29.19 (RESUB. 3.8.19)

SITE PLAN KEYNOTES

- 1 REMOVE EXISTING WROUGHT IRON FENCING, WROUGHT IRON DOOR, AND DOOR HARDWARE THIS LOCATION.
- 2 REMOVE EXISTING PERFORATED STEEL MESH PANELS AND INSULATION AT MULTIPLE LOCATIONS AT THIS EXISTING CMU WALL. IN-FILL WALL OPENINGS WITH SOLID FILLED CMU AND STUCCO FINISH TO MATCH AND ALIGN WITH ADJACENT WALLS. SEE ELEVATIONS SHEET UP 7.
- 3 INSTALL APPROX. 25 LINEAR FEET OF 10'-0" STUCCO CLAD, SOLID FILLED CMU WALL THIS LOCATION. PROVIDE NEW STRUCTURAL OPENING TO ACCOMMODATE NEW 4'-0" W X 1-3/4" H INSULATED HOLLOW METAL DOOR WITH PANIC HARDWARE LEVER AND SURFACE MOUNTED CLOSER WITH HOLD OPEN FUNCTION. HEIGHT TO MATCH EXISTING EXIT DOORS.
- 4 REMOVE EXISTING CORRUGATED SHEET METAL PANELS FROM NOTED SECTIONS OF EXISTING ± 8'-0" MECHANICAL SCREEN ON ROOF DIRECTLY ADJACENT TO THE EXISTING PATIO. ATTACH RUBBER AND FIBERGLASS ASSEMBLY AS SHOWN IN SECTION 3UP 7. THICK DASHED LINE INDICATES SCREEN LOCATION.
- 5 ALL ± 10'-0" NEW AND EXISTING, SOLID FILLED CMU WALLS SURROUNDING THE EXISTING PATIO TO RECEIVE NEW ± 8'-0" CONTINUOUS ACOUSTICAL ASSEMBLY ATTACHED DIRECTLY TO THE TOP OF CMU WALLS BELOW. TOTAL HEIGHT APPROX. ± 18'-0". SEE SHEET UP 7 FOR EXTERIOR ELEVATIONS AND SECTION.
- 6 EXISTING GATE/DOOR TO BE REMOVED AND REPLACED WITH NEW INSULATED HOLLOW METAL DOOR WITH RUBBER & FIBERGLASS ASSEMBLY ON INTERIOR FACE. EXIT DOORS SHALL BE 3'-0" MINIMUM AND SHALL HAVE PANIC HARDWARE.
- 7 REMOVE SMALL SECTION EXISTING STEEL MESH ABOVE SOUTH EXIT DOOR. INSTALL STEEL LINTEL AND IN-FILL WITH STUCCO CLAD SOLID FILLED CMU TO MATCH EXISTING.
- 8 BREAK IN ACOUSTICAL ASSEMBLY SHOWN HERE IS FOR REFERENCE ONLY TO REVEAL WALL UNDERNEATH. ASSEMBLY TO BE CONTINUOUS AT THIS LOCATION.
- 9 (1) ADDITIONAL PARKING STALL TO BE ADDED HERE. DIMENSIONS TO MATCH ADJACENT STALLS.
- 10 BLOCK OF (6) FULL SIZED STANDARD PARKING STALLS TO BE ADDED HERE FOR A GRAND TOTAL OF (7) NEW STALLS ON THE PROJECT SITE.
- 11 PROPOSED STAGE PER CUP NARRATIVE.
- 12 EXTEND EXISTING MECHANICAL ROOF SCREEN ASSEMBLY WITH ACOUSTICAL TREATMENTS ± 10'-0" LINEAR FEET THIS LOCATION TO PROVIDE SOUND MITIGATION COVERAGE BETWEEN END OF EXISTING MECHANICAL ROOF SCREEN AND NEW CMU/ACOUSTICAL WALL BELOW.

SHEET INDEX

- UP 1 SITE PLAN & REVISED PARKING CALCULATIONS
 - UP 2 ENLARGED LIGHTING SITE PLAN
 - UP 3 SITE PHOTO & ELEVATION INFORMATION
 - UP 4 STAGE PLANS & PHOTOS
 - UP 5 SITE LIGHTING SPECIFICATIONS & CUT SHEETS
 - UP 6 LEASED PARKING STALL PLAN
 - UP 7 SOUND MITIGATION ELEVATIONS & SECTIONS
- DR1.0 PHOTOMETRIC ANALYSIS PLAN

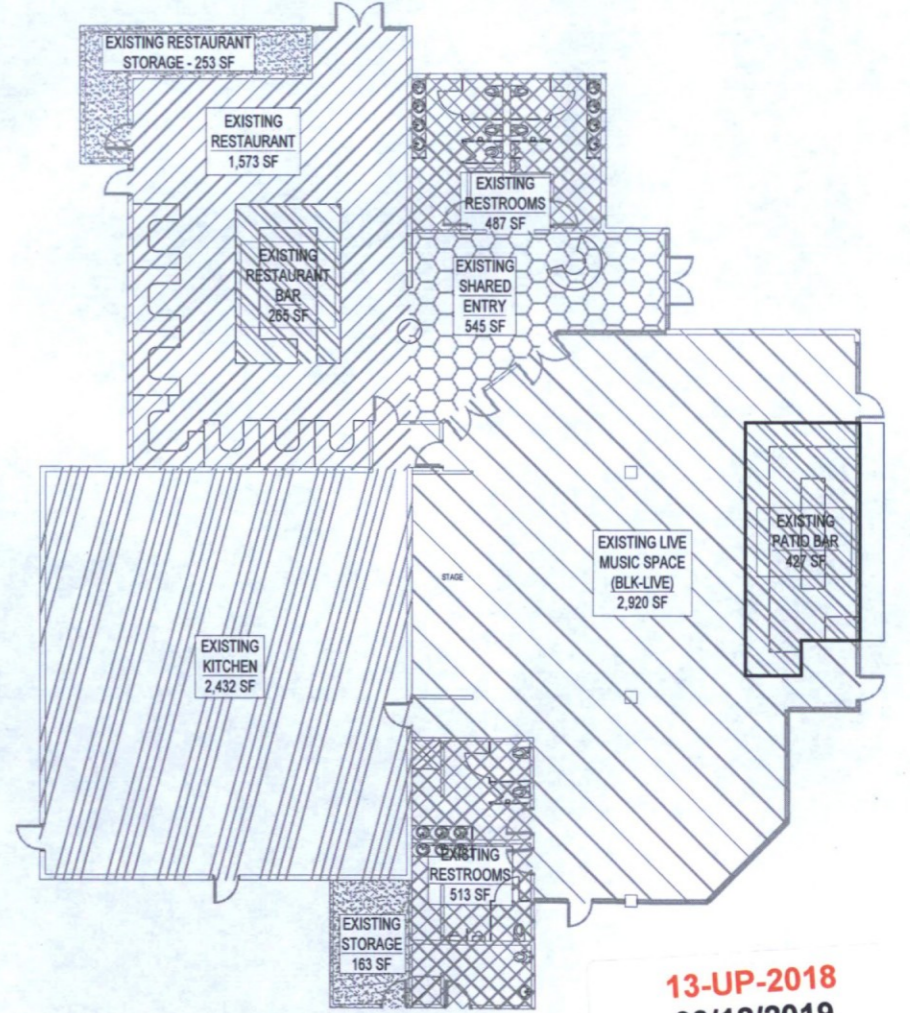
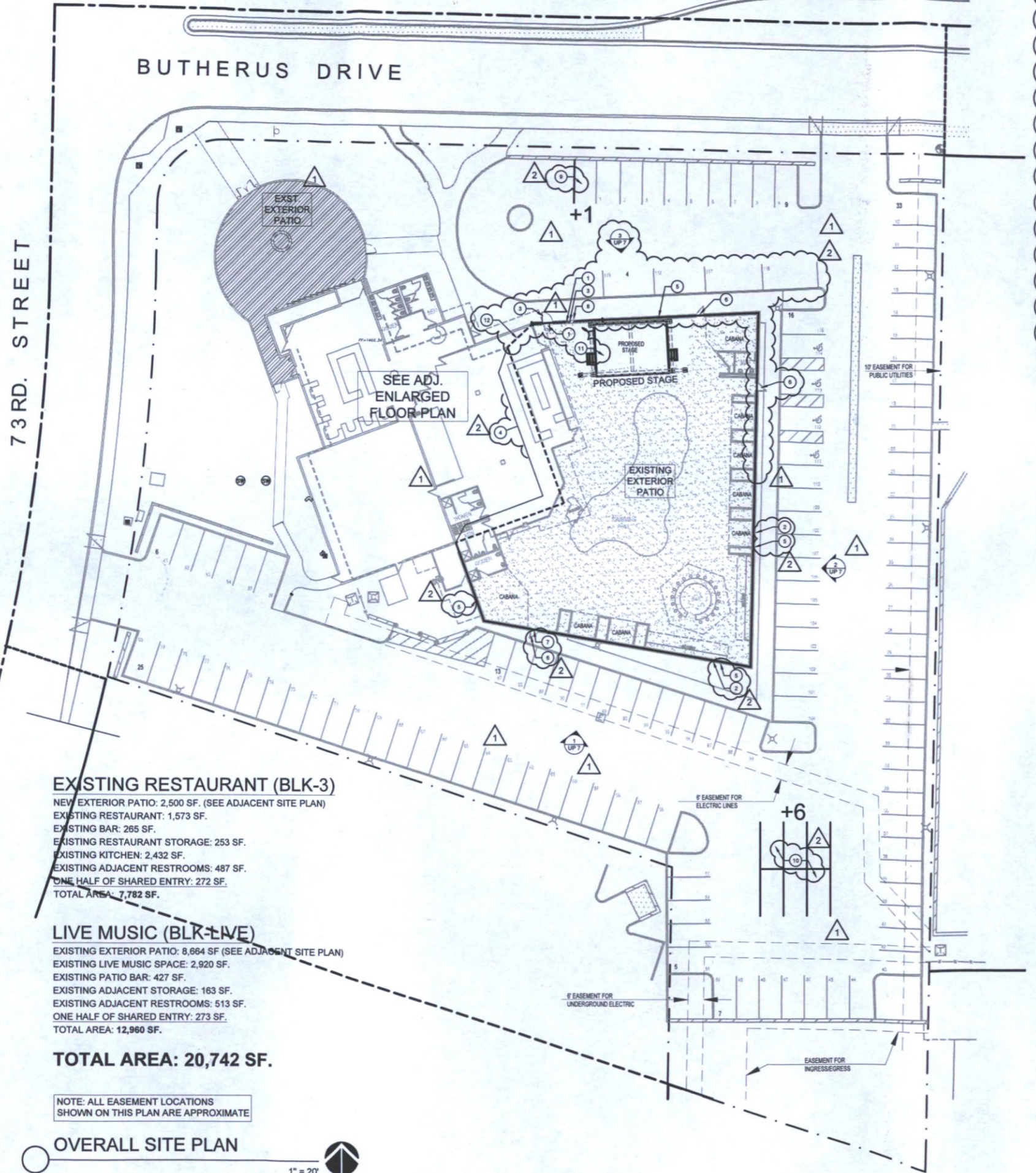
REVISED PARKING CALCS.

Exst. Restaurant + Bar + Kitchen: 1573+265+2438 = 4276 SF / 80 = 53.45 Stalls Req.
 Shared Entry: 545 SF / 80 = 6.81
 New Patio: 2500 SF - 200 / 200 = 11.5
 Restaurant Storage: 253 SF / 800 = 0.31
 Live Music Space/ Adj. Bar: 2920 SF + 427 SF / 60 = 55.78
 Existing Patio Space: 10,400 SF - 200 - 992 (Landscaping) / 200 = 46.04
 Storage: 163 / 800 = 0.20
 Restrooms (Bar Side): 487 / 80 = 6.09
 Restrooms (Live Music Side) 513 / 60 = 8.55
 Subtotal parking stalls required = (188.73) 189 stalls required

Parking Stall Reduction = A total reduction of (2) parking stalls per existing shower. (3) showers provided = (6) total parking stalls removed from required total.

TOTAL PARKING STALLS PROVIDED:
 (Current) Existing of project property: 119
 (Current) Leased parking stalls from adj. property (7333 E. Butherus Dr.): 22
 (New) Additional stalls on project property as part of re-striping: +7
 (New) Leased parking stalls from adj. property (14807 N. 73rd St.): +27
 (New) Leased parking stall from adjacent property (14840 N. 74th St.): +8
 Total parking stalls provided: 183

TOTAL STALLS REQUIRED AFTER REDUCTIONS (REVISED): (189 - 6) = 183
TOTAL CURRENT PARKING STALLS PROVIDED: 183



13-UP-2018
03/12/2019

EXISTING RESTAURANT (BLK-3)

NEW EXTERIOR PATIO: 2,500 SF. (SEE ADJACENT SITE PLAN)
 EXISTING RESTAURANT: 1,573 SF.
 EXISTING BAR: 265 SF.
 EXISTING RESTAURANT STORAGE: 253 SF.
 EXISTING KITCHEN: 2,432 SF.
 EXISTING ADJACENT RESTROOMS: 487 SF.
 ONE HALF OF SHARED ENTRY: 272 SF.
 TOTAL AREA: 7,782 SF.

LIVE MUSIC (BLK-LIVE)

EXISTING EXTERIOR PATIO: 8,664 SF (SEE ADJACENT SITE PLAN)
 EXISTING LIVE MUSIC SPACE: 2,920 SF.
 EXISTING PATIO BAR: 427 SF.
 EXISTING ADJACENT STORAGE: 163 SF.
 EXISTING ADJACENT RESTROOMS: 513 SF.
 ONE HALF OF SHARED ENTRY: 273 SF.
 TOTAL AREA: 12,960 SF.

TOTAL AREA: 20,742 SF.

NOTE: ALL EASEMENT LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE

OVERALL SITE PLAN

1" = 20'

ENLARGED FLOOR PLAN

3/32" = 1'-0"

DELTA STAR™

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

CATALOG NUMBER LOGIC

Example: DS - LED - e65 - SP - A7 - B2W - 12 - 11 - A - 360SL

Material
 DS - Aluminum
 B - Brass
 S - Stainless Steel

Series
 DS - Delta Star™

Source
 LED - 'V' Technology with Integral Dimming Driver (See Specifications for Dimming)
 Designed for use with remote (24VAC/120V) transformers. Requires magnetic low voltage dimmer.

LED Type
 e64 - 7W/LED/27K
 e65 - 7W/LED/3K
 e74 - 7W/LED/4K
 e75 - 7W/LED/Amber

Optics*
 SP - Narrow Spot (Red Indicator)
 NP - Spot Green Indicator
 MP - Medium Flood (Yellow Indicator)
 WP - Wide Flood (Blue Indicator)

Adjust-e-Lume™ Output Intensity (where applicable)
 89 Standards: A6, A7, A8, A9, A4, A3, A2, A1

Finish

Aluminum Finish	Brass Finish	Premium Finish
Powder Coat Color Bronze B2P B2W Black BLP BLW White (Gloss) WWP Aluminum SAP Venetian VBR	Machined MAC Polished POL Antique White AW Black Chrome BC Brushed BR Clear Anodized Powder CAP	CMS Cascade Mountain Granite CR Cracked Ice CS Cream HSG Hunter Green MS Mojave Desert Sandstone NP Natural Brass Powder OC Copper

Finish
 BMS Rocky Mountain Granite
 SS Sonoran Desert Sandstone
 SSS Sonoran Desert Granite
 TSP Textured Forest
 WCP Weathered Copper
 WR Weathered Iron

Lens Type
 13 - Soft Focus Lens
 14 - Rectilinear Lens

Shielding
 11 - Honeycomb Baffle

Cap Style
 A - 47°
 B - 90°
 D - 45° Lens Weep Hole
 E - 90° Lens Weep Hole

Option
 360SL - 360° Rotational Knuckle Mounting System

DRIVER DATA

Input Volts	Inrush Current	Operating Current	Dimmable	Operation Ambient Temperature
12VAC/DC 50/60Hz	<250mA (non-dimmable)	700mA	Magnetic Low Voltage Dimmer	-22F/-10F (-30°C - 10°C)

LM79 DATA

SK No.	CCT (Typ)	Input Watts (Typ)	CRI	Minimum Rated Life (hrs.)	Beam Type	Angle	e66	Visual Indicator
e64	2700K	7.0	80	50,000	Narrow Spot	12°	689	Red Dot
e65	3000K	7.0	80	50,000	Spot	15°	525	Green Dot
e66	4000K	7.0	80	50,000	Medium Flood	23°	194	Yellow Dot
e74	Amber (3000K)	7.0	-	50,000	Wide Flood	31°	130	Blue Dot

L70 DATA

SK No.	CCT (Typ)	Input Watts (Typ)	CRI	Minimum Rated Life (hrs.)	Beam Type	Angle	e66	Visual Indicator
e64	2700K	7.0	80	50,000	Narrow Spot	12°	689	Red Dot
e65	3000K	7.0	80	50,000	Spot	15°	525	Green Dot
e66	4000K	7.0	80	50,000	Medium Flood	23°	194	Yellow Dot
e74	Amber (3000K)	7.0	-	50,000	Wide Flood	31°	130	Blue Dot

OPTICAL DATA

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 408-438-8282 • FAX: 408-438-8500
 www.bklighting.com • info@bklighting.com
 10-24-18 DRAWING NUMBER: SUB000936

DELTA STAR™

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

"A/D" CAP

"B/E" CAP

360 SL™

Accessories (available separately)
 Mounting: Fixed Spot, Recessed, New Style™, Surface, Complex, DM™, TS Series, Power Pipe™, LPM™

Remote Transformers: 12VAC, 120V, 240V, 277V, 300V, 347V, 380V, 415V, 480V, 525V, 575V, 600V, 660V, 720V, 760V, 800V, 850V, 900V, 960V, 1000V, 1050V, 1100V, 1150V, 1200V, 1250V, 1300V, 1350V, 1400V, 1450V, 1500V, 1550V, 1600V, 1650V, 1700V, 1750V, 1800V, 1850V, 1900V, 1950V, 2000V, 2050V, 2100V, 2150V, 2200V, 2250V, 2300V, 2350V, 2400V, 2450V, 2500V, 2550V, 2600V, 2650V, 2700V, 2750V, 2800V, 2850V, 2900V, 2950V, 3000V, 3050V, 3100V, 3150V, 3200V, 3250V, 3300V, 3350V, 3400V, 3450V, 3500V, 3550V, 3600V, 3650V, 3700V, 3750V, 3800V, 3850V, 3900V, 3950V, 4000V, 4050V, 4100V, 4150V, 4200V, 4250V, 4300V, 4350V, 4400V, 4450V, 4500V, 4550V, 4600V, 4650V, 4700V, 4750V, 4800V, 4850V, 4900V, 4950V, 5000V, 5050V, 5100V, 5150V, 5200V, 5250V, 5300V, 5350V, 5400V, 5450V, 5500V, 5550V, 5600V, 5650V, 5700V, 5750V, 5800V, 5850V, 5900V, 5950V, 6000V, 6050V, 6100V, 6150V, 6200V, 6250V, 6300V, 6350V, 6400V, 6450V, 6500V, 6550V, 6600V, 6650V, 6700V, 6750V, 6800V, 6850V, 6900V, 6950V, 7000V, 7050V, 7100V, 7150V, 7200V, 7250V, 7300V, 7350V, 7400V, 7450V, 7500V, 7550V, 7600V, 7650V, 7700V, 7750V, 7800V, 7850V, 7900V, 7950V, 8000V, 8050V, 8100V, 8150V, 8200V, 8250V, 8300V, 8350V, 8400V, 8450V, 8500V, 8550V, 8600V, 8650V, 8700V, 8750V, 8800V, 8850V, 8900V, 8950V, 9000V, 9050V, 9100V, 9150V, 9200V, 9250V, 9300V, 9350V, 9400V, 9450V, 9500V, 9550V, 9600V, 9650V, 9700V, 9750V, 9800V, 9850V, 9900V, 9950V, 10000V

SPECIFICATIONS

GreenSource Initiative™
 Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy produced on-site. Recyclable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficiency and recycling rebates. Contact your local lighting contractor for program requirements.

Materials
 Manufactured in Copper-Free Aluminum (Type 6061-T6). Brass (Type 303) or Stainless Steel (Type 304).

Body
 Fully machined from solid billet. Unbody design provides mechanical, water-proof gasket and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
 The LOC™ Locking 'O' Ring (Compression-Resistant) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a serrated, exterior angle taper. The exterior mechanical taper lock allows a full 180° vertical adjustment without the use of a screw, which inherently leads to slippage. High temperature, silicone 'O' Ring provides water-tight seal and compression resistance to maintain fixture position. Change within 75 lbs. with ease. Lock prior to movement to ensure stability of optical alignment. 'O' Ring thread for re-adjustment.

Optional 360SL™ additionally provides knuckle control with 360° horizontal rotation in addition to vertical adjustment.

Cap
 Fully machined. Accommodates (1) lens or lensless. Chrome from 47° cutoff (A or B) or 90° or 1° deep beam with 90° cutoff (D or E) cap style. 12" and 18" caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens
 Shock resistant, tempered, glass lens is factory adjusted to reduce cap and provides hermetically sealed optical compartment. Specify soft focus (13) or rectilinear (14) lens.

BESSL™
 Integrated solid state system with 'V' technology is suitable for use with remote (24VAC/120V) transformers. Requires magnetic dimmer/switch. BESSL™ Power of 'V' technology beam diameter/size permit. BESSL™ maintenance. High power-forward three source compatible with 800 CRI/377 dimming requirements. Exceeds ENERGY STAR™ luminaire requirements. LM-80 certified component.

Wiring
 RPL, IGA, 150C, 600V, rated and certified to UL3121.

Hardware
 Temperature-resistant, stainless steel hardware. LOC™ screw is additionally black oxide treated for additional corrosion resistance.

Finish
 StarGuard™, our exclusive finish compliant, 15 stage chrome-free process cleans and converts metal components prior to application of Class A TFC polymer powder coating. Brass components are available in powder coat or hand-brushed metal finish. Stainless steel components are available in hand-brushed metal finish. Brushed finish for interior use only.

Warranty
 3 year limited warranty.

Certification and Listing
 UL tested in EISA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. Fully compliant with Energy Star for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. 90° Beam. Made in USA.

RoHS

40429 Brockway Drive • Milpitas, CA 95038 • USA
 408-438-8282 • FAX: 408-438-8500
 www.bklighting.com • info@bklighting.com
 10-24-18 DRAWING NUMBER: SUB000936

90+ LIGHTING MR16 GU10 7W

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

SKU: SE-350.006

LIGHT OUTPUT 500 lumens
CCT 3000K
BEAM ANGLE 40°
CBCP 720cd
WATTAGE 7W
EFFICACY 71 lm/W
APPLICATION Incandescent replacement for indoor dry/damp applications. Suitable for use in Enclosed Fixtures.

COLOR RENDERING: CRI>90, R9>50
FLICKER <30%
 High quality of light and low flicker, listed with California Energy Commission's (CEC) JA8/TITLE 24 standard for quality of light, the most stringent in North America.
ENERGY EFFICIENCY: 71 lm/W
LONG LIFE: 25,000 hours.
 Listed for energy efficiency by the CEC for Title 20, insuring high efficacy with a high quality of light. Lamps are also listed by Energy Star.
 ✓ Rated lifetime to L70: 25,000 hours.
 ✓ Warranty: 3 years.

HIGHLY COMPATIBLE
 Compatible with standard fixtures using GU10 base.
DIMMABLE
 Smooth dimming with most existing installations. Dimmable to 1% when used with specific dimmers. See dimmer compatibility chart for details on operation and compatibility.
INTENDED USE AND APPLICATIONS
 60W incandescent replacement. Intended for use in GU10 compatible existing fixtures. Suitable for dry or damp locations. Not for use in fully enclosed fixtures. Remove or do not use any optional glass lens in front of lamp.

CERTIFICATIONS AND APPROVALS
 ETL, ES, CEC TITLE 20, CEC JA8/TITLE24

GENERAL SPECIFICATIONS

Electrical Specifications	Operating Temperature	Mechanical Spec.
Wattage: 7W Power Factor: 0.9	Voltage: 120V Minimum: -20°C Maximum: 40°C	Measures: 1.97in X 2.10in Weight: 1.62oz

SE-350.006 - Rev. 2.0 September 2018 | A Save Energy Company | www.90pluslighting.com
 1094 Cudahy Place, Suite 212, San Diego, California 92110 USA

90+ LIGHTING MR16 GU10 7W

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

DIMENSIONS

LUMINOUS INTENSITY

SPECTRAL DISTRIBUTION

RA - CHART: >90

CRI VALUES | R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95	99	94	93	95	93	88	75	90	97	94	97	98	98	87

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 10-24-18 DRAWING NUMBER: SUB000936

CORE DRILL STEP STAR™

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

CATALOG NUMBER LOGIC

Example: B - CD-SS - LED - e66 - A7 - MIT - B

Material
 B - Aluminum
 CD-SS - Core Drill Step Star™

Series
 CD-SS - Core Drill Step Star™

Source
 LED - 'V' Technology with Integral Dimming Driver (See Specifications for Dimming)
 Designed for use with remote (24VAC/120V) transformers. Requires magnetic low voltage dimmer.

LED Type
 e64 - 7W/LED/27K
 e65 - 7W/LED/3K
 e74 - 7W/LED/4K
 e75 - 7W/LED/Amber

Adjust-e-Lume™ Output Intensity (where applicable)
 89 Standards: A6, A7, A8, A9, A4, A3, A2, A1

Finish

Aluminum Finish	Brass Finish	Premium Finish
Powder Coat Color Bronze B2P B2W Black BLP BLW White (Gloss) WWP Aluminum SAP Venetian VBR	Machined MAC Polished POL Antique White AW Black Chrome BC Brushed BR Clear Anodized Powder CAP	CMS Cascade Mountain Granite CR Cracked Ice CS Cream HSG Hunter Green MS Mojave Desert Sandstone NP Natural Brass Powder OC Copper

Finish
 BMS Rocky Mountain Granite
 SS Sonoran Desert Sandstone
 SSS Sonoran Desert Granite
 TSP Textured Forest
 WCP Weathered Copper
 WR Weathered Iron

Lens Type
 13 - Soft Focus Lens
 14 - Rectilinear Lens

Shielding
 11 - Honeycomb Baffle

Cap Style
 A - 47°
 B - 90°
 D - 45° Lens Weep Hole
 E - 90° Lens Weep Hole

Option
 360SL - 360° Rotational Knuckle Mounting System

DRIVER DATA

Input Volts	Inrush Current	Operating Current	Dimmable	Operation Ambient Temperature
12VAC/DC 50/60Hz	<250mA (non-dimmable)	700mA	Magnetic Low Voltage Dimmer	-22F/-10F (-30°C - 10°C)

B-K LIGHTING

40429 Brockway Drive • Milpitas, CA 95038 • USA
 408-438-8282 • FAX: 408-438-8500
 www.bklighting.com • info@bklighting.com
 10-24-18 DRAWING NUMBER: SUB000936

CORE DRILL STEP STAR™

PROJECT: _____

TYPE: _____

CATALOG NUMBER: _____

SOURCE: _____

NOTES: _____

SIDE VIEW

FACEPLATE DETAIL

Accessories (available separately)
 Remote options: 12 Series, LPM™

SPECIFICATIONS

GreenSource Initiative™
 Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy produced on-site. Recyclable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficiency and recycling rebates. Contact your local lighting contractor for program requirements.

Materials
 Manufactured in Copper-Free Aluminum (Type 6061-T6) or Brass (Type 303).

Core Drill
 Allows for mounting into existing structures that will not easily accept a standard hole. 2 1/2" dia hole req. 4 3/4" deep required for slip fit.

Body
 Fully machined from solid billet. Unbody design provides mechanical, water-proof gasket and integral heat sink for maximum component life. High temperature, silicone 'O' Ring provides water-tight seal. Provided with hand cast (II) black anodize finish for maximum corrosion resistance. Knuckle-style cable connector with 90°/180°, 2 wire low voltage cable.

Faceplate
 Cast construction with machined finish. Counterbore holes provide for flush hardware mounting by others.

Lens
 Shock resistant, tempered, glass lens is factory adjusted to reduce cap and provides hermetically sealed optical compartment.

BESSL™
 Integrated solid state system with 'V' technology is suitable for use with remote (24VAC/120V) transformers. Requires magnetic dimmer/switch. BESSL™ Power of 'V' technology beam diameter/size permit. BESSL™ maintenance. High power-forward three source compatible with 800 CRI/377 dimming requirements. Exceeds ENERGY STAR™ luminaire requirements. LM-80 certified component.

Wiring
 RPL, IGA, 150C, 600V, rated and certified to UL3121.

Hardware
 Temperature-resistant, stainless steel hardware. LOC™ screw is additionally black oxide treated for additional corrosion resistance.

Finish
 StarGuard™, our exclusive finish compliant, 15 stage chrome-free process cleans and converts metal components prior to application of Class A TFC polymer powder coating. Brass components are available in powder coat or hand-brushed metal finish. Stainless steel components are available in hand-brushed metal finish. Brushed finish for interior use only.

Warranty
 3 year limited warranty.

Certification and Listing
 UL tested in EISA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. Fully compliant with Energy Star for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. 90° Beam. Made in USA.

RoHS

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 10-24-18 DRAWING NUMBER: SUB000936

EXTOLLO DESIGN
 2122 E. SESAME ST.
 TEMPE, AZ 85283
 480-888-8565



BLK PATIO ADDITION
 7301 E. BUTHERUS DRIVE
 SCOTTSDALE, AZ 85024

ELECTRICAL CUT SHEETS

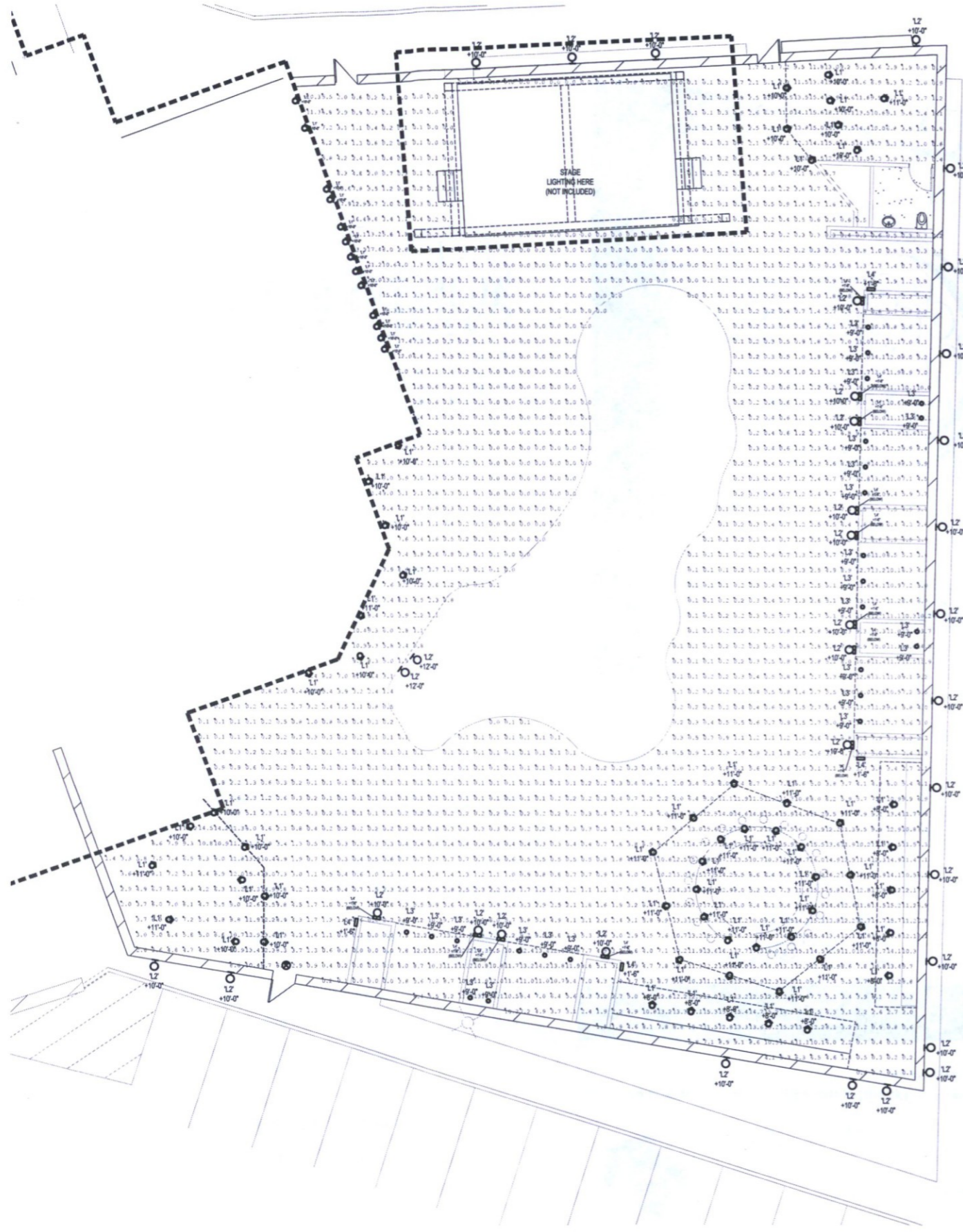
DRAWN: MA
 JOB NO. 15-001
 DATE: 7.3.18
 REVISED:
 1 USE PERMIT (12-UP-2018/13-UP-2018)
 CITY COMMENTS 10.31.18

PRELIMINARY NOT FOR CONSTRUCTION

Project Contact/Designer: **MINDY ADLER**
 Project # 18472
HAWKINS DESIGN GROUP INC.
 ELECTRICAL CONSULTING ENGINEERS
 282 SOUTH VINEYARD AVE, SUITE 107
 ARLING HEIGHTS, ILLINOIS 60005
 PH. 480.813.9300 FAX. 480.813.9001
 EMAIL. email@hawknsdsg.com

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DR2.0



Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LLF	Description	Tag	Lum. Lumens	Lum. Watts	MANUFAC
○	71	L1	SINGLE	0.900	NS-LED-e66-WFL-12, AR-LED-TR-e66-WFL-12, AR-LED-RM-e66-WFL-12, DS-LED-e66-WFL-12	VARIES	462	6.8	B-K LIGHTING, INC.
○	24	L3	SINGLE	0.900	SE-350 006 MR16 7W 40 S70lm 3	VARIES	625	6.5	90+ LIGHTING
○	16	L4	SINGLE	0.900	CD-SS-LED-e66-A	VARIES	31	6.37	B-K LIGHTING, INC.

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Patio Planar	Illuminance	Fc	4.51	23.9	0.0	N.A.

ELECTRICAL SITE PLAN

1/8" = 1'-0"

EXTOLLO DESIGN
 2122 E. SESAME ST.
 TEMPE, AZ 85283
 480-888-6565



BLK PATIO ADDITION
 7301 E. BUTHERUS DRIVE
 SCOTTSDALE, AZ 85024

ELECTRICAL SITE PLAN

DRAWN: MA

JOB NO. 15-001
 DATE: 7.3.18

REVISED:
 1 USE PERMIT (12-UP-2018/13-UP-2018)
 CITY COMMENTS 10.31.18

PRELIMINARY NOT FOR CONSTRUCTION

Project Contact/Designer: **MINDY ADLER**
 Project #18472
HAWKINS DESIGN GROUP INC.
 ELECTRICAL CONSULTING ENGINEERS
 282 SOUTH VINEYARD AVE, SUITE 107
 MESA, ARIZONA 85205
 PH. 480.813.9000 FAX. 480.813.9001
 EMAIL: email@hawkinsdsg.com

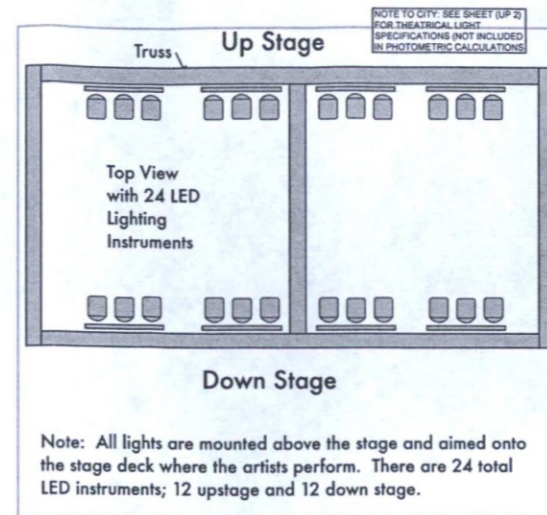
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DR1.0

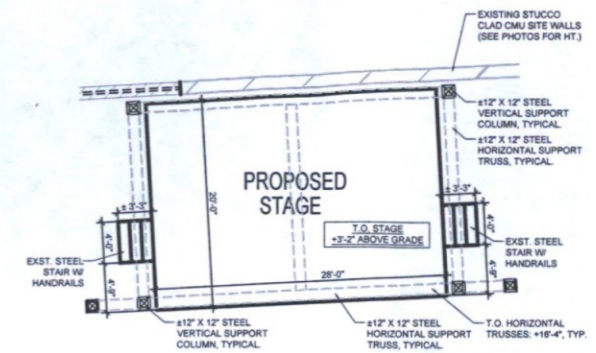
REFERENCE ONLY
NOT FOR CONSTRUCTION



STAGE PHOTO #1
(LOOKING NORTHWEST) 4
N.T.S.



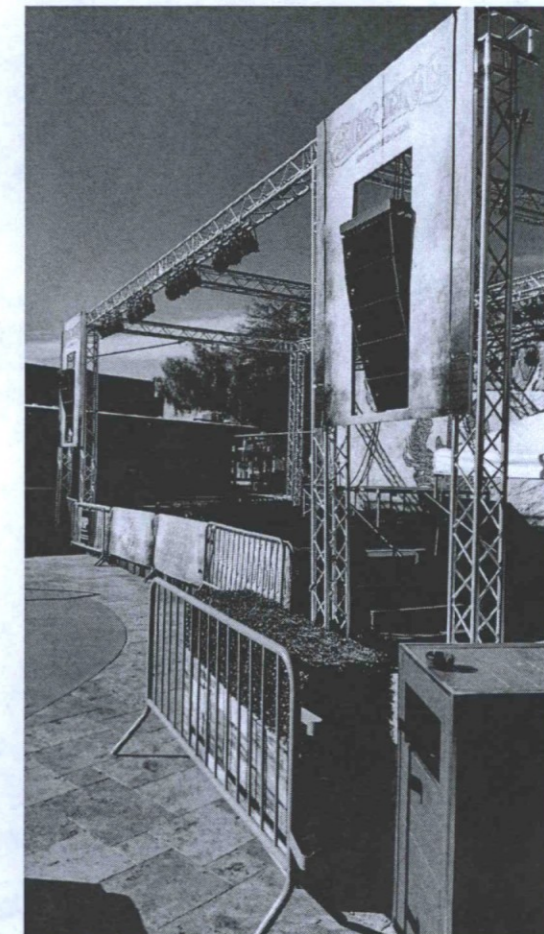
ENLARGED STAGE CEILING PLAN (PROPOSED) 2
N.T.S.



ENLARGED STAGE FLOOR PLAN (PROPOSED) 1
1/8" = 1'-0"



STAGE PHOTO #1
(LOOKING NORTH) 5
N.T.S.



STAGE PHOTO #1
(LOOKING WEST) 3
N.T.S.

BLK LIVE - USER PERMIT
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

STAGE PLANS & PHOTOS

DRAWN: JTP

JOB NO. 15-001

DATE: 7.3.18

REVISED:

1 USE PERMIT (12-UP-2018/13-UP-2018) CITY COMMENTS 11.30.18 (CUE 1.4.18)

2 USE PERMIT (12-UP-2018/13-UP-2018) CITY COMMENTS 1.29.19 (RESUB. 3.8.19)

REFERENCE ONLY
NOT FOR CONSTRUCTION

THIS PROJECT
7301 E BUTHERUS DR.
EXISTING STALLS: 119 (EXST) + 7 (NEW)
*SEE REVISED PARKING CALCULATIONS SHEET (UP 1).



7301 E. BUTHERUS DR.
LEASED STALLS: 22
*SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

14840 N. 74TH ST.
LEASED STALLS: 8
*SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

14807 N. 73rd St.
LEASED STALLS: 27
*SEE REVISED PARKING CALCULATIONS SHEET (UP 1).

BLK LIVE - USER PERMIT
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

LEASED PARKING STALL LOCATION PLAN

DRAWN: JTP

JOB NO. 15-001

DATE: 7.3.18

REVISED: 2

1 USE PERMIT (12-UP-2018/13-UP-2018)
CITY COMMENTS 11.30.18 (SUB 11.10)

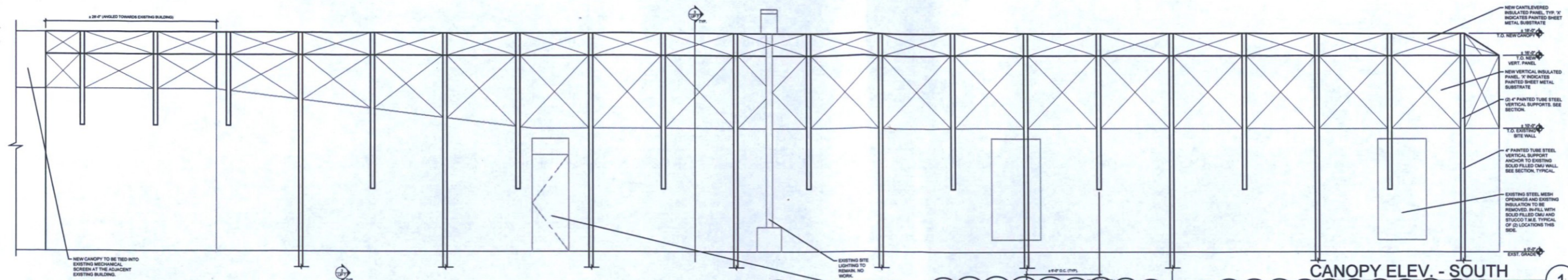
2 USE PERMIT (12-UP-2018/13-UP-2018)
CITY COMMENTS 1.29.19 (RESUB. 3.8.19)

LEASED PARKING STALL LOCATION PLAN

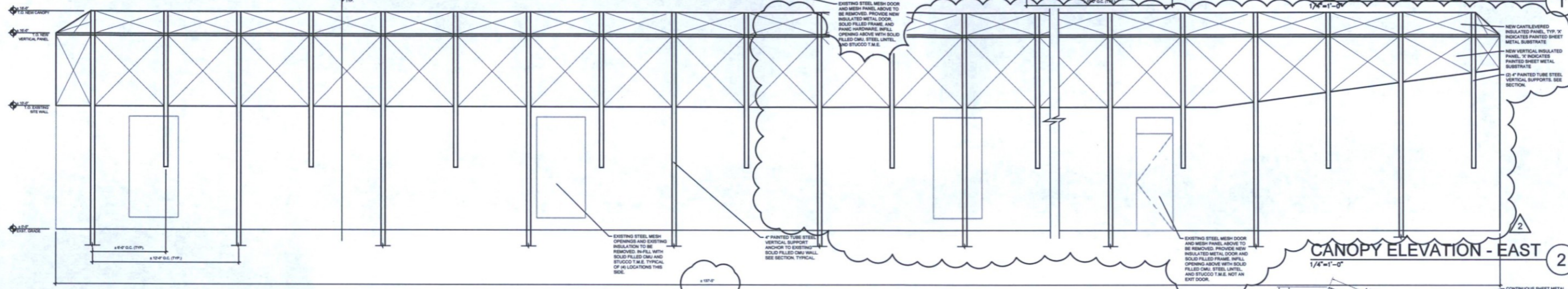


2 UP 6

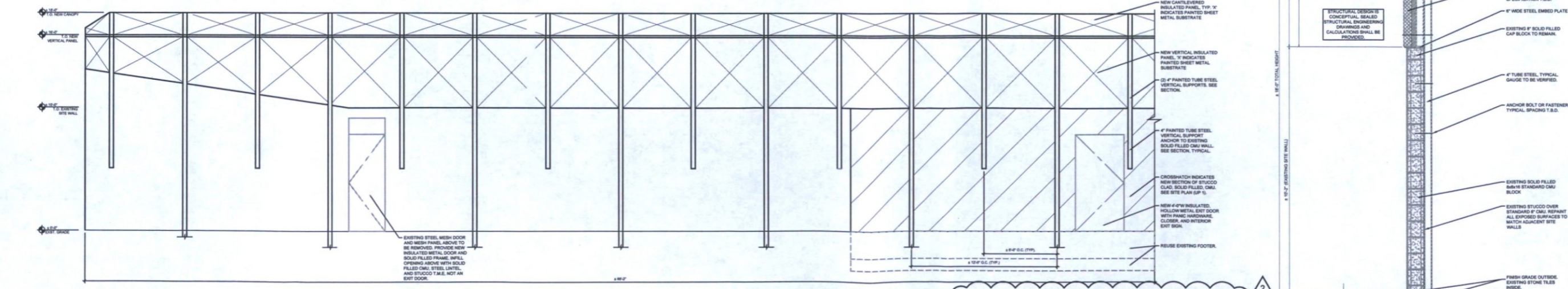
REFERENCE ONLY
 NOT FOR CONSTRUCTION



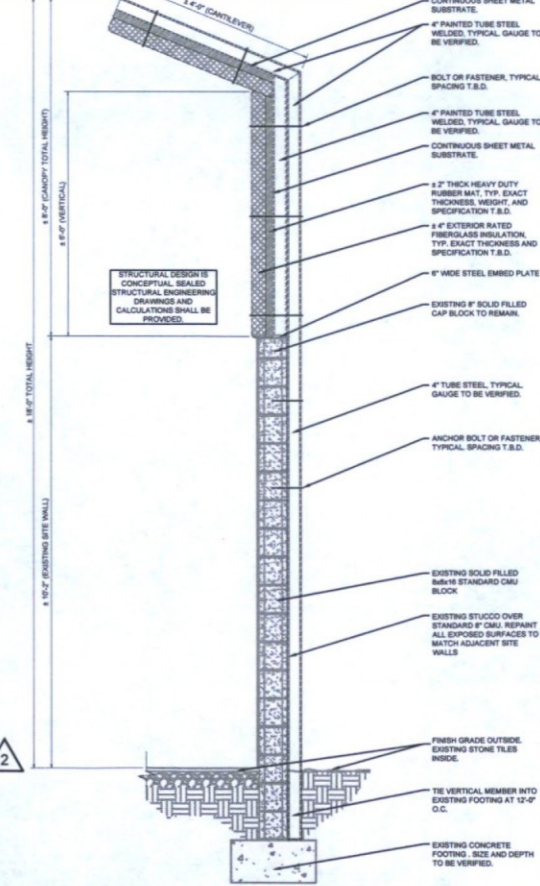
CANOPY ELEV. - SOUTH
 1/4"=1'-0"



CANOPY ELEVATION - EAST
 1/4"=1'-0"



CANOPY ELEV. - NORTH
 1/4"=1'-0"



CONCEPTUAL CANOPY SECTION
 3/4"=1'-0"

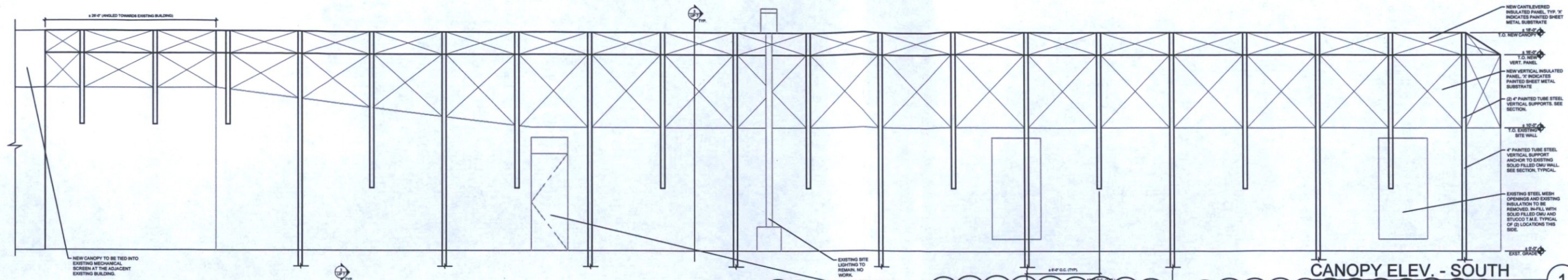
BLK LIVE - USER PERMIT
 7301 E. BUTHERUS DRIVE
 SCOTTSDALE, AZ 85024

SOUND MITIGATION ELEVATIONS/SECTIONS

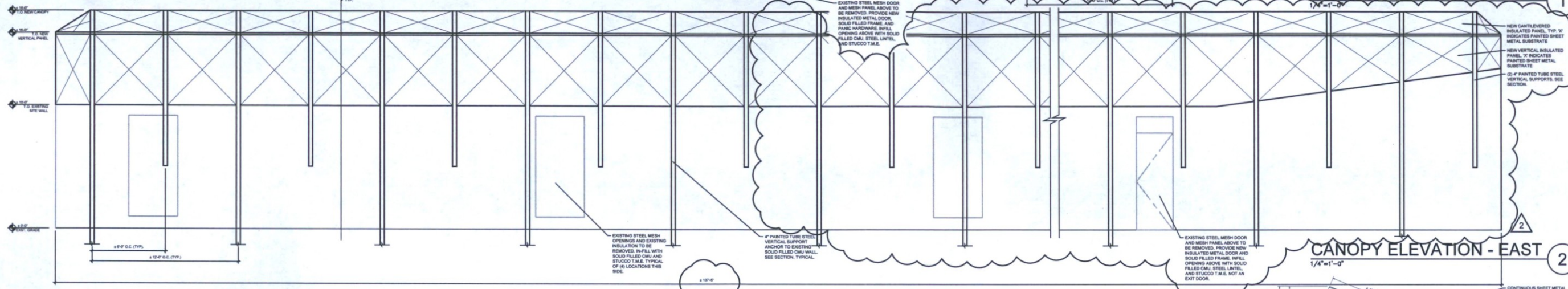
DRAWN: JTP
 JOB NO. 15-001
 DATE: 7.3.18
 REVISED:
 1 USE PERMIT (12-UP-2018) 13-UP-2018
 CITY COMMENTS 11.30.18 (SUB. 11.10)
 2 USE PERMIT (12-UP-2018) 13-UP-2018
 CITY COMMENTS 1.29.19 (RESUB. 3.8.19)

UP 7

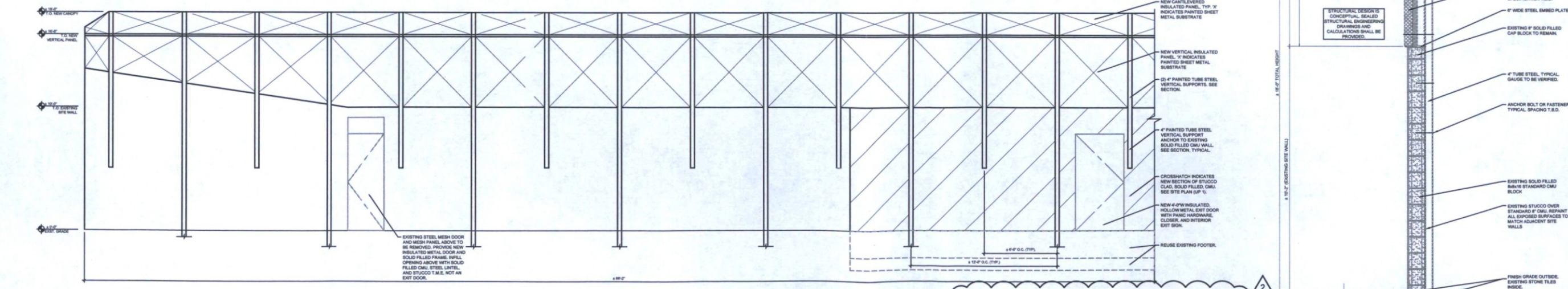
REFERENCE ONLY
NOT FOR CONSTRUCTION



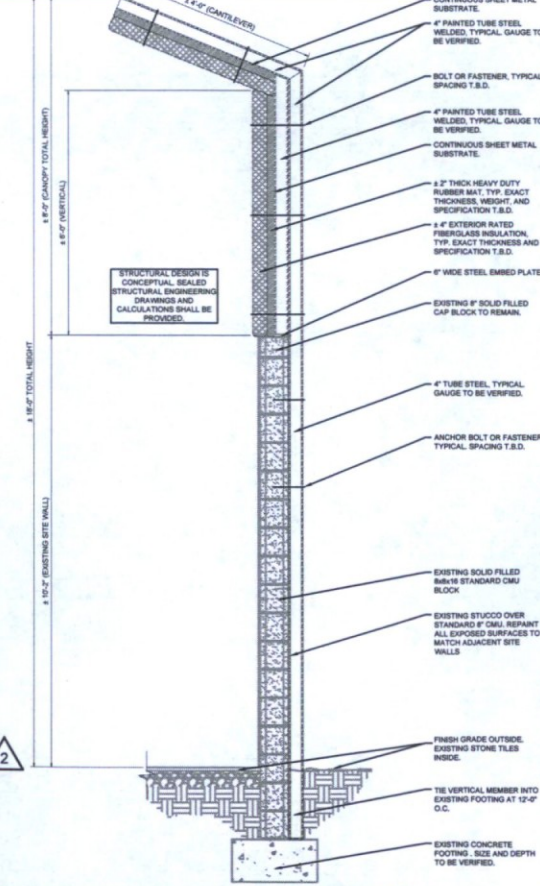
CANOPY ELEV. - SOUTH
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CONCEPTUAL CANOPY SECTION
3/4"=1'-0"

BLK LIVE - USER PERMIT
7301 E. BUTHERUS DRIVE
SCOTTSDALE, AZ 85024

SOUND MITIGATION ELEVATIONS/SECTIONS

DRAWN: JTP
JOB NO. 15-001
DATE: 7.3.18
REVISED:
1 USE PERMIT (12-UP-2018-13-UP-2018)
CITY COMMENTS 11.30.18 (SUB 1.4.18)
2 USE PERMIT (12-UP-2018-13-UP-2018)
CITY COMMENTS 1.29.19 (RESUB. 3.8.19)