

DEVELOPMENT REVIEW BOARD REPORT



Meeting Date: June 4, 2020
General Plan Element: *Character and Design*
General Plan Goal: *Foster quality design that enhances Scottsdale as a unique southwestern desert community*

ACTION

Whataburger Restaurant 4-DR-2020

Location: 7134 E Thomas Road

Request: Request approval of a site plan, building elevations, and landscape plan for a new restaurant building with an associated drive-through on an approximately 1.16 acre site.

PROPERTY OWNER

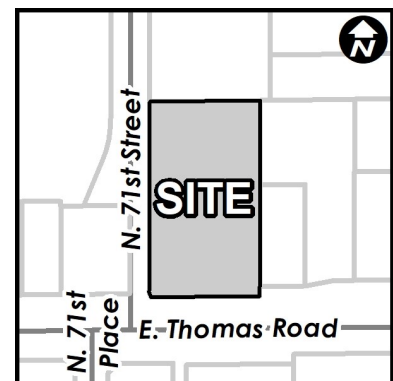
Matthew Bartholomew

APPLICANT CONTACT

Paige Reilly
(480) 407-4657

ARCHITECT

Castles Design Group



BACKGROUND

Zoning

The zoning on the site is C-3, Highway Commercial. The site was annexed into the City of Scottsdale in 1964 by Ordinance 206 and rezoned to the C-3 district shortly after. The C-3 district is intended to allow various commercial activities along major streets, including shopping and service needs.

Context

The site is located at the northeast corner of East Thomas Road and North 71st Street intersection. The subject site is currently home to a vacated restaurant building that was built in the 1970s and an ample amount of parking (see context graphics).

Adjacent Uses and Zoning

- North: Commercial Storage Building, zoned C-4
- South: Restaurant Building, zoned C-3 & Residential Subdivision, zoned S-R and R1-7

Action Taken _____

- East: Restaurant Building, zoned C-3
- West: Multi-tenant Commercial Building, zoned C-3

Key Items for Consideration

- Conformance to the Commercial Design Guidelines
- Drive-through canopy shading
- Reduction in asphalt parking area
- Appropriate pedestrian connections

DEVELOPMENT PROPOSAL

Goal/Purpose of Request

The proposal includes a new Whataburger restaurant with an associated drive-through, landscaping buffer, and screened parking. The new restaurant building is approximately 3,600 square feet and twenty-one (21) feet in height. The site is composed of two parcels which will be assembled through the City final plat process.

Neighborhood Communication

City staff and the applicant sent notification to all property owners within 750 feet of the site and a hearing sign was posted at the site. Staff received a phone call from the neighbor to the east who was curious where a new site wall would be located between the two properties. Per the neighbor's request, the applicant has agreed to build a new six (6) foot tall site wall on the common property line and remove the existing chain link fence.

DEVELOPMENT REVIEW BOARD CRITERIA ANALYSIS

Site plan

The new restaurant building is centrally located on the parcel with the associated drive-through wrapping around the north, west, and south side of the building. The two-lane drive-through will be screened from East Thomas Road and North 71st Street by a twenty (20) foot wide landscape buffer and three (3) foot tall screen wall. Required vehicular and bicycle parking are located to the east of the building with landscape islands provided to help break up the spaces. Consistent with city policies and guidelines, the proposed site plan layout greatly reduces the amount of parking and asphalt currently on site (see attachment #4).

Access is adequately provided with new driveways onto East Thomas Road and North 71st Street. Construction will include a new eight (8) foot detached sidewalk along East Thomas Road, consistent with the streetscape plans for the roadway, as well as a new six (6) sidewalk along North 71st Street. In addition, to promote pedestrian connectivity there will be pedestrian connections from both street frontages to the main entrance of the restaurant building.

Elevations

The building elevations are composed of a synthetic stone veneer base, cast stone border, cream stucco body, tan stucco accent band, and deep brown metal parapet cap. The architecture adheres to the Sensitive Design Principles by incorporating desert and earth color tones like "Highland Plains", "French Vanilla", and "Marble Falls". The elevations utilize stone veneer to highlight the main entries and window service towers. As encouraged by the city's design guidelines, shading is provided over windows by a deep brown metal canopy.

During the review process, the applicant worked diligently with staff to incorporate changes into their design to align with the Commercial Design Guidelines. The elevations were revised to incorporate full coverage canopies and columns over both drive-through windows, remove corporate colors, and increase parapet depth into the building to achieve architectural integration (see attachment #6). The applicant also reduced the excessive number and location of light fixtures to achieve human scale level lighting per the guidelines. Finally, roof mounted mechanical equipment is screened from view by parapets and the service entrance section (SES) is recessed into the building façade so it is flush with the building face.

Landscaping

The proposed landscape plan provides lush vegetation to help screen the drive-through from both street frontages. Along the rear of the property, there is wide landscape area that also acts as a drainage basin to mitigate stormwater on site. The plant palette is composed of desert appropriate trees and shrubs including Desert Willow, Palo Verde, Texas Mountain Laurel, Parry's Agave and Red Yucca.

Development Information

• Existing Use:	Vacant restaurant and parking
• Proposed Use:	New restaurant with drive-through
• Parcel Size:	1.61 gross acres
	1.16 net acres
	50,529 net square feet
• Total Building Area:	3,583 square feet
• Floor Area Ratio Allowed:	0.8
• Floor Area Ratio Proposed:	0.07
• Building Height Allowed:	36 feet, excluding rooftop appurtenances
• Building Height Proposed:	21 feet, including rooftop appurtenances
• Parking Required:	30 spaces
• Parking Provided:	33 spaces
• Open Space Required:	6,871 square feet
• Open Space Provided:	7,018 square feet

STAFF RECOMMENDATION

Recommended Approach:

Staff recommends that the Development Review Board approve the Whataburger Restaurant per the attached stipulations, finding that the provisions of the Character and Design Element of the General Plan and Development Review Criteria have been met.

RESPONSIBLE DEPARTMENTS

Current Planning Services

Transportation Department

STAFF CONTACT

Katie Posler

Planner

480-312-2703

E-mail: kposler@ScottsdaleAZ.gov

APPROVED BY



Katie Posler, Planner, Report Author



Date



Brad Carr, AICP, LEED-AP, Planning & Development Area Manager
Phone: 480-312-7713 E-mail: bcarr@scottsdaleaz.gov



Date



Randy Grant, Executive Director
Planning and Development Services
Phone: 480-312-2664 E-mail: rgrant@scottsdaleaz.gov



Date

ATTACHMENTS

- A. Stipulations/Zoning Ordinance Requirements
 - 1. Context Aerial
 - 1A. Close-Up Aerial
 - 2. Zoning Map
 - 3. Applicant's Narrative
 - 4. Site Plan
 - 5. Open Space Plan
 - 6. Building Elevations – black and white
 - 7. Building Elevations – color
 - 8. Material and Color Board
 - 9. Landscape Plans
 - 10. Electrical Site Plan
 - 11. Exterior Lighting Cutsheets
 - 12. Neighborhood Notification Map

**Stipulations for the
Development Review Board Application:
Whataburger Restaurant
Case Number: 4-DR-2020**

These stipulations are intended to protect the public health, safety, welfare, and the City of Scottsdale.

APPLICABLE DOCUMENTS AND PLANS:

1. Except as required by the Scottsdale Revised Code (SRC), the Design Standards and Policies Manual (DSPM), and the other stipulations herein, the site design and construction shall substantially conform to the following documents:
 - a. Architectural elements, including dimensions, materials, form, color, and texture shall be constructed to be consistent with the building elevations submitted by Castles Design Group, with a city staff date of 5/21/20.
 - b. The location and configuration of all site improvements shall be consistent with the site plan submitted by Kimley Horn, with a city staff date of 5/21/20.
 - c. Landscape improvements, including quantity, size, and location shall be installed to be consistent with the preliminary landscape plan submitted by Kimley Horn, with a city staff date of 5/21/20.
 - d. The case drainage report submitted by Kimley-Horn and Associates, Inc. and accepted in concept by the Stormwater Management Department of the Planning and Development Services.
 - e. The water and sewer basis of design report submitted by Kimley Horn and accepted with comments by the Water Resources Department.

RELEVANT CASES:

Ordinance

- A. At the time of review, the applicable zoning case was 58-ZN-1964.

ARCHAEOLOGICAL RESOURCES:

Ordinance

- B. Any development on the property is subject to the requirements of Scottsdale Revised Code, Chapter 46, Article VI, Section 46-134 - Discoveries of archaeological resources during construction.

ARCHITECTURAL DESIGN:

DRB Stipulations

2. All exterior window glazing shall be recessed a minimum of fifty (50) percent of the wall depth, including glass windows within any tower/clerestory elements. The amount or recess shall be measured from the face of the exterior wall to the face of the glazing, exclusive of external detailing.

With the final plan submittal, the developer shall provide head, jamb and sill details clearly showing the amount of recess for all window types.

3. All exterior doors shall be recessed a minimum of thirty (30) percent of the wall depth, the amount of recess shall be measured from the face of the exterior wall to the face of the glazing, exclusive of external detailing. With the final plan submittal the developer shall provide head, jamb and sill details clearly showing the amount of recess for all door types.

SITE DESIGN:

Ordinance

- C. Prior to issuance of any building permit for the development project, the property owner shall submit, receive approval of, and record a final plat to assemble the two parcels of the site.

DRB Stipulations

4. All drive aisles shall have a width of twenty-four (24) feet.
5. All drive-thru lanes shall provide a minimum of 120 feet of queuing distance, unless otherwise permitted by Transportation Department staff.
6. Prior to issuance of any building permit for the development project, the property owner shall
 - a. Submit plans and receive approval to construct all refuse enclosures in conformance with the City of Scottsdale Supplements to MAG Standard Details, detail 2146-2.
 - b. Submit plans and receive approval to underground on-site over-head service lines.
7. Internal sidewalk pedestrian connections shall be a minimum width of six (6) feet.
8. Bike racks to be consistent with COS Standard Detail 2285.

LANDSCAPE DESIGN:

Ordinance

- D. The property owner shall obtain approval of a Salvage/Native Plant Plan Application, and obtain a permit to remove any protected tree.

DRB Stipulations

9. Prior to the issuance of any building permit for the development project, the property owner shall submit landscape improvement plans that demonstrate how the salvaged vegetation from the site will be incorporated into the design of the landscape improvements.
10. Prior to the issuance of any building permit for the development project, the property owner shall submit landscape improvement plans that demonstrate the utilization of the City of Scottsdale Supplement to MAG Standard Specifications for the landscape and irrigation improvements within the public right-of-way.

EXTRIOR LIGHTING:

Ordinance

- E. All exterior luminaires mounted eight (8) feet or higher above finished grade, shall be directed downward and have an integral lighting shield.
- F. Any exterior luminaire with a total initial lumen output of greater than 1600 lumens shall have an integral lighting shield.

- G. Any exterior luminaire with a total initial lumen output of greater than 3050 lumens shall be directed downward and comply with the Illuminating Engineering Society of North America (IES) requirements for full cutoff.

DRB Stipulations

11. All exterior lamps shall have a Kelvin color temperature of 3200K or less.
12. All exterior fixtures shall be dark bronze or black in color.
13. All stand-alone light poles shall not exceed a height of 24 feet.
14. Canopy lighting shall be fully recessed into the top of the canopy and not protrude downward.
15. All exterior luminaires shall meet all IES requirements for full cutoff, and shall be aimed downward and away from property line except for sign lighting.
16. Incorporate the following parking lot and site lighting into the project's design:
 - a. The maintained average horizontal luminance level, at grade on the site, shall not exceed 2.0 foot-candles. All exterior luminaires shall be included in this calculation.
 - b. The maintained maximum horizontal luminance level, at grade on the site, shall not exceed 8.0 foot-candles. All exterior luminaires shall be included in this calculation.
 - c. The initial vertical luminance at 6-foot above grade, along the entire property line shall not exceed 1.0 foot-candles. All exterior luminaires shall be included in this calculation.
 - d. The total lumen per luminaire shall not exceed 24,000 lumens.

STREET DEDICATIONS:

Ordinance

- H. Prior to the issuance of any building permit for the development project, the property owner shall make the following fee simple right-of-way dedications to the City of Scottsdale:
- a. Twenty-five-foot by twenty-five-foot dedication at southwest corner of property at intersection of E. Thomas Road and N. 71st Street.
 - b. N. 71ST STREET. Thirty-foot dedication.

STREET INFRASTRUCTURE:

Ordinance

- I. All street infrastructure improvements shall be constructed in accordance with this City of Scottsdale (COS) Supplement to MAG Specifications and Details, and the Design Standards and Policies Manual.
- J. Prior to the issuance of any building permit for the development project, the property owner shall submit and obtain approval of civil construction documents to construct improvements per DRB site plan.

DRB Stipulations

17. All curb ramps for public and pedestrian sidewalks that intersect public and private streets, or driveways that intersect public and private streets, shall have truncated domes that are colored to match OSHA Safety Yellow, FED-STD-595C, 13591.

18. The applicant shall provide a new six (6) foot wide public sidewalk along N. 71st Street and a new eight (8) foot wide public sidewalk detached from the curb along E. Thomas Road.

WATER AND WASTEWATER:

DRB Stipulations

19. Existing water and sewer service lines to this site shall be utilized, or shall be disconnected at the main pursuant to the Water Resources Department requirements.
20. Prior to the issuance of any building permit for the development project, the property owner shall submit and obtain approval of civil construction documents to construct improvements per DRB utility plan.

DRAINAGE AND FLOOD CONTROL:

DRB Stipulations

21. With the civil construction document submittal, the property owner shall submit a final drainage report that demonstrates consistency with the DSPM and the case drainage report accepted in concept by the Stormwater Manager or designee.
22. Section B-B on the Cross-Sections Sheet, which crosses Retention Basin A at the north end of site indicates that the basin north side has a slope, while the Grading and Drainage Plan indicates that side is mostly vertical. The basin should be graded in accordance with Scottsdale DSPM or appropriate protection measures, such as fencing, needs to be provided.
23. Drainage easements around the retention basins and proper access, per Scottsdale DSPM, need to be established and dedicated, as acknowledged in the drainage report.

EASEMENTS DEDICATIONS:

DRB Stipulations

24. Prior to the issuance of any building permit for the development project, the property owner shall dedicate the following easements to the City of Scottsdale on a final plat or map of dedication:
 - a. A sight distance easement, in conformance with figures 5.3-26 and 5.3-27 of Section 5.3 of the DSPM, where a sight distance triangle(s) cross on to the property.
 - b. A continuous Public Non-Motorized Access Easement to the City of Scottsdale to contain the public sidewalk in locations where the sidewalk crosses on to the lot.
 - c. A drainage easement to contain any retention basis and associated access, per the requirements of the DSPM, as noted in the case drainage report.

ADDITIONAL ITEMS:

DRB Stipulations

25. Flagpoles shall be one piece, conical, and tapered.
26. Flagpoles shall be dark bronze or black.
27. Maximum flagpole height shall be 24 feet.
28. Prior to issuance of any building permit for the development project, the property owner must release any existing APS easements on site that will not be utilized with the new development project.

29. All exterior signage, menu boards, and associated lighting requires separate plan review, approval, and permitting.



Context Aerial

ATTACHMENT 1

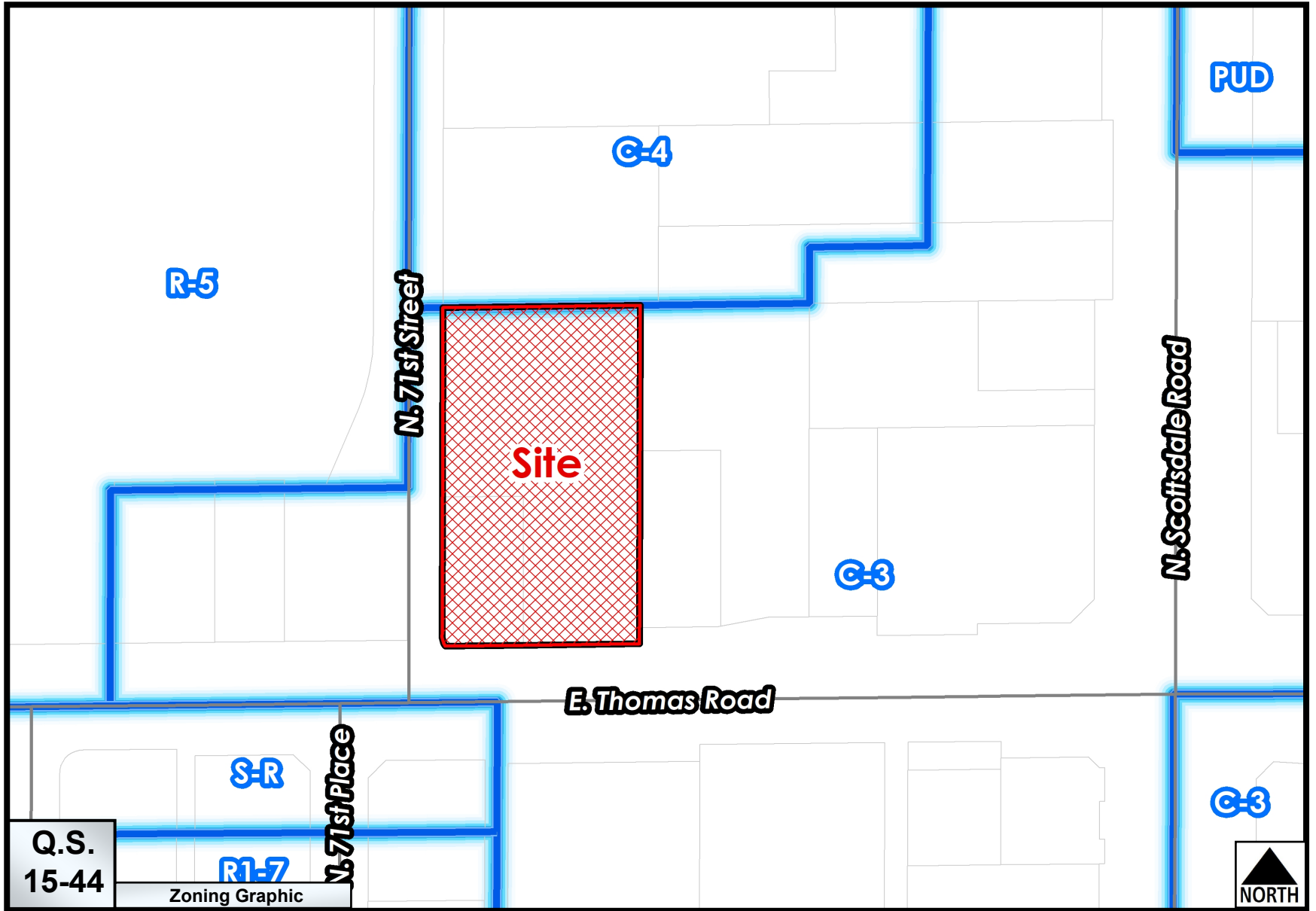
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Close-up Aerial

ATTACHMENT 1A

4-DR-2020



Existing Zoning

ATTACHMENT 2

4-DR-2020

Narrative

Whataburger Restaurant

7134 E Thomas Road

Scottsdale, AZ 85251



JANUARY 2020

Prepared By:

Kimley»Horn

ATTACHMENT 3

4-DR-2020
1/28/2020

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FIGURE 1: AERIAL



Section I – Whataburger History

Over six decades ago, an adventurous and determined entrepreneur named Harmon Dobson had a bold idea: to serve a burger so big that it took two hands to hold, and so good that after a single bite, customers couldn't help but exclaim, "What a burger!" He named his humble burger stand, located on Ayers Street in Corpus Christi, Texas, "Whataburger."

Today, our founder's original vision still inspires everything we do. We're still family owned and operated. Each and every Whataburger® is still made to order—when it's ordered. We still use 100% pure beef and serve it on a big, toasted five-inch bun. We still greet our customers with a smile 24 hours a day, seven days a week. And while we now serve hot, fresh food at more than 800 Whataburgers across the country, that burger stand in Corpus Christi is never far from our hearts.

Section II – Project Request

The purpose of this request is for Development Review Board approval for a new 3,600 SF Whataburger Restaurant with drive-thru located at 7134 E Thomas Rd in Scottsdale, AZ 85251. The Site is located within APN #130-17-021A & #130-17-022A. The property is bound by East Thomas Road to the south, commercial property to the east and north, and 71st Street to the west.

The proposed project consists of the following:

- Demolish existing building
- Construct new Whataburger restaurant with drive-thru
- Adjust parking as needed to accommodate proposed Whataburger Restaurant
- Combine the two lots via a land assemblage

The Site is 1.426 acres. The current zoning is C-3 (Commercial). Rezoning is not requested or required. The Site is located within a commercial / mixed use area with existing complementary uses in all directions.

Section III – Existing Conditions

The Site is developed and consists of an existing one-story 6,873 square-foot restaurant building and associated Site improvements. The existing building is to be demolished. Existing Site access is existing off East Thomas Road and 71st Street, which is in poor condition.

Section IV – Ordinances, Master Plans, General Plan, and Standards

The proposed development will closely follow the CITY OF SCOTTSDALE GENERAL PLAN. The Site is located within an area designated "Urban Neighborhood", which supports high density residential and compatible retail and service uses, such as restaurants. Considering the General's Plan Community Values, the proposed development's design will maintain a sustainable environment with positive economic and social impact, while providing a facility to promote human connection and interaction. The implementation of the new Whataburger restaurant will encourage revitalization of the community while preserving the unique attributes and character of the surrounding neighborhood.

Following the CITY OF SCOTTSDALE CITYSHAPE 2020 PLAN, the Site will embody the Six Guiding Principles including Preserving Meaningful Open Space, Enhancing Neighborhoods, Seeking Sustainability, Supporting Economic Vitality, Advancing Transportation, and Valuing Scottsdale's Unique Lifestyle and Character. Through the redevelopment of the Site, impervious area has decreased by adding landscape where pavement was previously located. Encouraging revitalization, the proposed development provides new opportunities for the restoration of existing infrastructure such as updating the existing driveway entrances on East Thomas Road to current standards and adding curb, gutter, sidewalk, and asphalt to 71st Street.

Adopting the City of Scottsdale character and design elements, the proposed design will implement the SOUTHERN SCOTTSDALE CHARACTER AREA PLAN. The proposed development considers the Five Community Priorities: Develop a strong economic core, Focus on local mobility and walkability, Maintain and

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1/28/2020

enhance existing neighborhoods and identity, Balance growth, and Promote well-designed architecture and sustainability.

Per the SOUTHERN SCOTTSDALE CHARACTER AREA PLAN Chapter 2: Character Design, one of the goals for commercial development is to engage pedestrians. Engaging pedestrians and providing alternate routes of transportation, the Site has incorporated bike racks and multiple sidewalk connections to East Thomas Road. These design characteristics serve to connect pedestrians in a friendly and open environment.

The redevelopment supports Economic Vitality Goal EV 1 and EV 2 to reinvest or replace aging commercial properties and enhance economic vitality in Southern Scottsdale. Through the addition of a new restaurant with drive-thru, Southern Scottsdale will expand its range of entertainment, dining, and restaurant options. Jobs will be created with the addition of the new Whataburger Restaurant, thus providing greater economic stability and generating tax revenues for the City service provision.

As stated within the SOUTHERN SCOTTSDALE CHARACTER AREA PLAN Chapter 6: Community Mobility, Goal CM 4 desires to advance the role of pedestrian and bicycle mobility and connectivity within Southern Scottsdale. In addition to the driveway access improvements, the new Site will focus on pedestrian walkways and bicycle paths.

To mitigate the urban heat island effect, as described within the SOUTHERN SCOTTSDALE CHARACTER AREA PLAN Chapter 9: Preservation and Environmental Planning, the proposed design incorporates additional landscape areas with a shaded drive-thru canopy structure. These design characteristics provide passive building cooling and shaded pavement over a highly trafficked area.

The project follows guidelines set forth within the CITY OF SCOTTSDALE DESIGN STANDARDS AND POLICIES MANUAL (DSPM). Applying DSPM Chapter 4: Grading and Drainage, the redevelopment will properly design for the Site's first flush volume, finished floor elevation, and on-Site and street drainage. Through the utilization of the DSPM, the proposed design may be brought to fruition, including preliminary and final plans, reports, and other documents required to meet the City of Scottsdale standards.

Section V – Architectural Character, Landscaping, and Site Design

The goal of the Site's landscape is to provide a design that meets the intent and requirements of the City of Scottsdale's Zoning Ordinance. The landscape's purpose is to enhance the property value by complementing the visual effect of the building and creating an attractive appearance along Thomas Road and 71st Street. Low-Water-Use plants have been selected from the Arizona Department of Water Resources' (ADWR) Phoenix Active Management Area plant list to promote water conservation and sustainable landscape practices and management.

The Site will provide the necessary screening to properly screen parked vehicles, drive-thru operations, and service areas such as the trash enclosure via screen walls which complement the building's architecture. Additional screenwall is also proposed for the northern portion of the Site's eastern property boundary to full screen the Site from neighboring uses.

Refer to the Architectural Narrative for additional discussion on the project's architecture.

Section VI – Ingress, Egress, On-Site Circulation, Parking and Pedestrians

The proposed Whataburger Site will benefit from new curb, gutter, sidewalk, and asphalt on 71st Street. In addition, both driveways along East Thomas Road will be reconstructed to current code, which will aid in improved ingress, egress, and Site circulation. In addition to the new sidewalk along 71st Street, a convenient sidewalk connection is proposed from the front of the building to East Thomas Road. Bicycle racks are proposed at the front of the store along this pathway.

The drive-thru for Whataburger is unique in that it provides two lanes from point of order to point of pick-up. Per the request of the City's Planning Department, both lanes will receive shade via a canopy structure designed to cover the entire pick-up area.

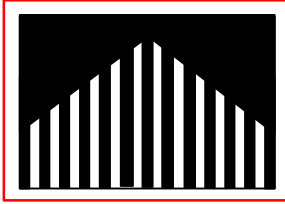
The below parking analysis has been completed to support this project:

Parking Required: 30 spaces (1 space per 120 SF)

Parking Provided: 33 spaces

Section VII – Mechanical and Utility Equipment

All mechanical and electrical equipment will be screened from public view, meeting the City's guidelines and standards.



■ Castles Design Group, PC ■

A Professional Architectural Corporation
3801 Kirby Drive, Suite 600
Houston, Texas 77098
tel: 713.664.7974
fax: 713.664.9756
www.castlesdesigngroup.com

May 20, 2020

City of Scottsdale
Planning and Development Services
7447 E Indian School Road, Suite 105
Scottsdale, AZ 85251

Re: Project Narrative (Architectural) for
Whataburger Restaurant (2104369) NEC Thomas Rd at 71st, Scottsdale, AZ

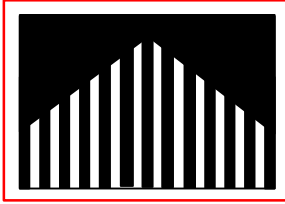
To Whom It May Concern,

We are please to submit for your review the following narrative for the project as referenced above. We are in receipt of and have reviewed and/or have shared pertinent information regarding Development Review Board Criteria, Commercial and Restaurant Design Guidelines, Landscape, Signage and Lighting Criteria as well as Ordinances, Restrictions with all appropriate parties including Vendors and Consultants in the interest meeting the City's expectations for High Quality Development.

The Building itself, being wood framed of approximately 3,578 s.f., has been designed to promote a desirable relationship with surrounding development through use of Materials, Textures, Colors, and Articulation.

The Building Elevations provide a various use of materials, i.e. Cast Stone, Stucco, and Metal, all neutral in color. The use of key Corporate Branding colors have been eliminated so that the building blends with the surroundings. Articulation has been achieved at all sides of the Building to break up long uninterrupted Facades using Vertical and Horizontal Articulation elements such as Gables, Entry Brand Walls, Canopies. Trellis', Wainscot's and Stucco banding features. A blend of Texture and Color helps to create an interesting non-monotonous Façade with just the right touch of visual appeal to control the visual impact of a building's height and size while highlighting important building volumes and features, such as the building entry.

Additionally, the Building Design has incorporated features such as Shade/Window overhangs as well as a Drive Thru Lane Canopy to enhance and respond to regional Climate characteristics. Additionally, the building has been designed to meet Building Energy Codes as it relates to the building Envelope and MEP Systems.



■ Castles Design Group, PC ■

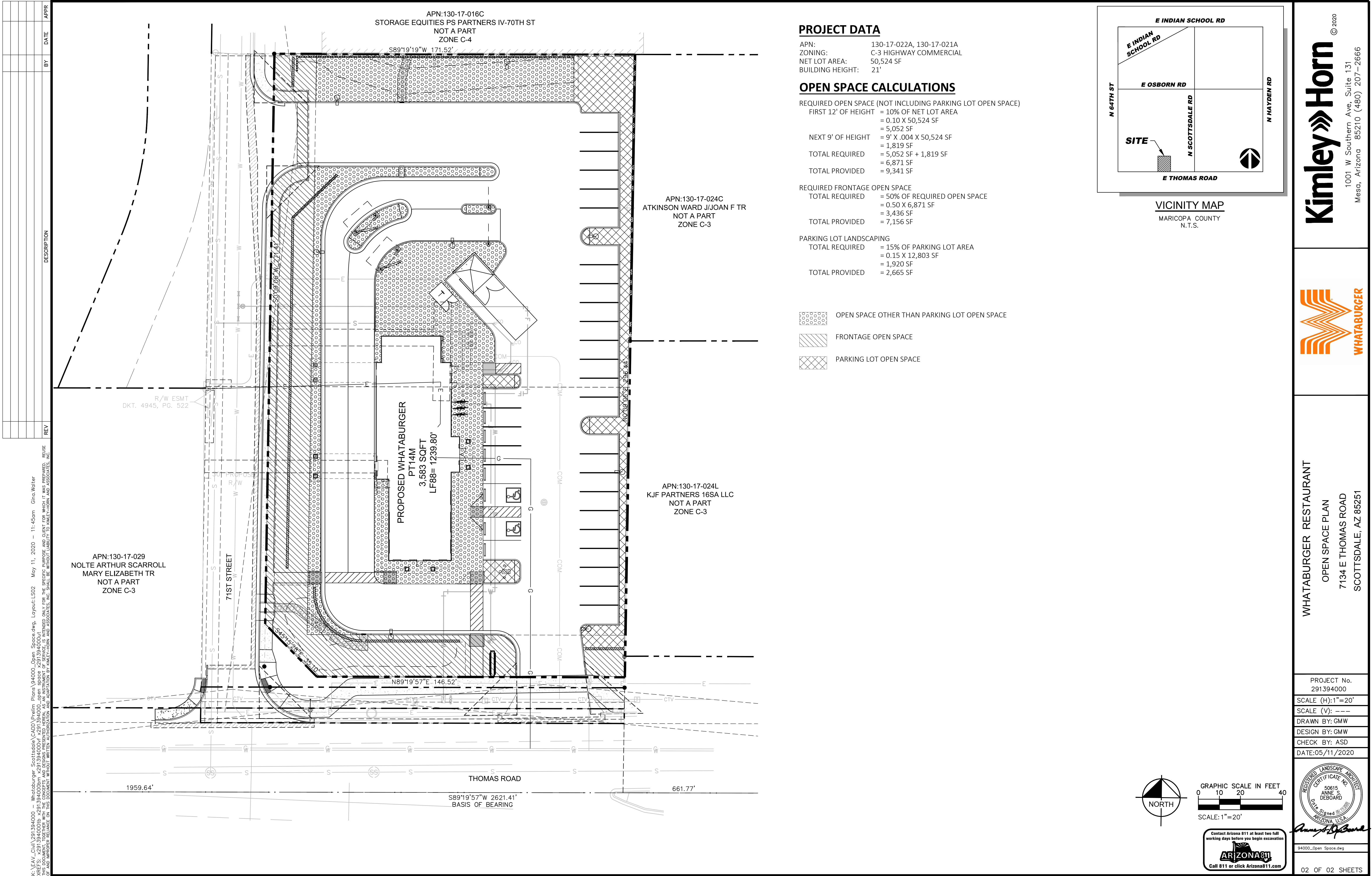
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A Professional Architectural Corporation
3801 Kirby Drive, Suite 600
Houston, Texas 77098
tel: 713.664.7974
fax: 713.664.9756
www.castlesdesigngroup.com

With respect to Utilities and Mechanical Systems, services have been located to the rear of each Façade, either at the rear or at the rear corner of side Elevations. Building services have been kept to a minimum and will be installed in a clean orderly fashion and painted to match adjacent surfaces to minimize their exposure to direct view. Additionally, a Site Line Study has been provided to ensure that all Roof Top Mounted Equipment such as Mechanical Roof Top HVAC Units are screened from view.

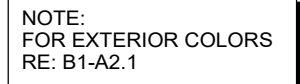
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03 OF 11 SHEETS

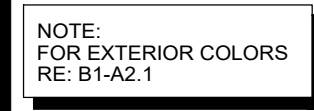


C-1	PPG DARK BRONZE
C-2	WHITE
C-3	MBCI - SIGNATURE 300 - ALMOND
C-4	STO - TOPCOAT 350 - HIGHLAND PLAINS
C-5	LONESTAR - "MARBLE FALLS" - "CHALK"
C-6	PPG FAST DRY 35 URETHANE HIGHLAND PLAINS - GLOSS
C-7	PPG FAST DRY 35 FRP GRAY
C-8	PPG FAST DRY 35 GLOSS BLACK
C-9	SITE WORKS-CAST STONE "NATURAL"
C-10	ORANGE
C-11	IDEAL DARK BRONZE
	NOTE STUCCO SYSTEM:
	¾" PORTLAND CEMENT
	STUCCO SYSTEM - GALVANIZED
	METAL WITH GRADE "D" PAPER BACK LATH
	AND BOTTOM DRAINAGE TRACK.

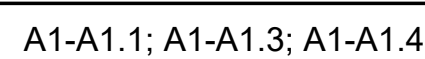
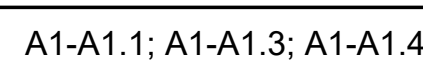
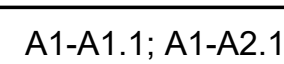
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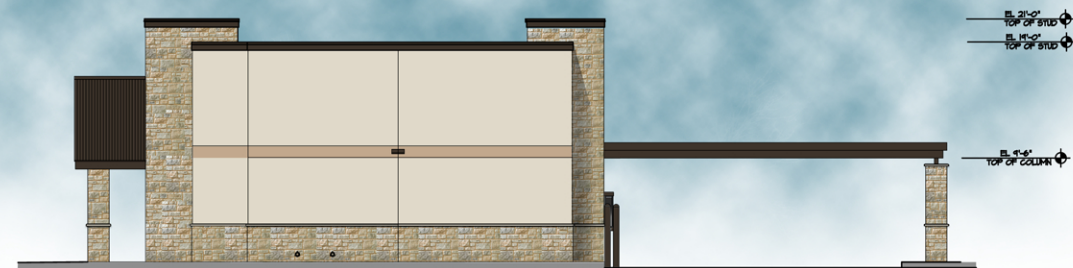
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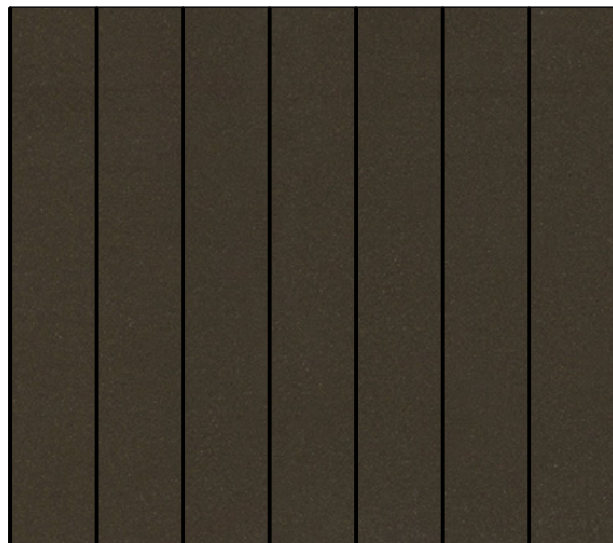
■ Castles Design Group ■

WHATABURGER RESTAURANTS
THOMAS RD AT 71ST
SCOTTSDALE, AZ

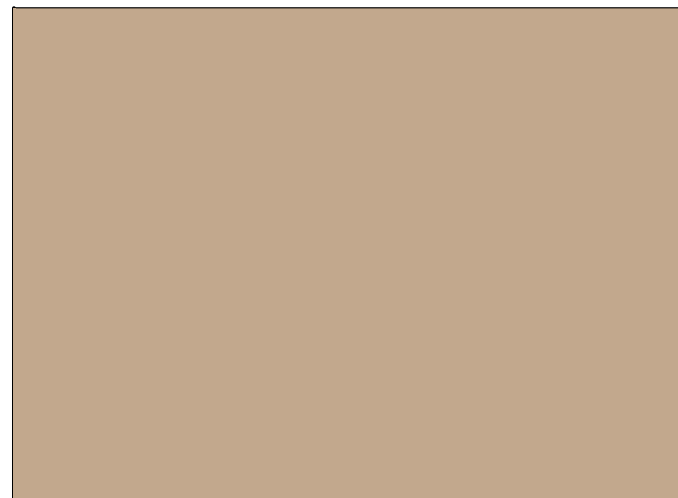
ATTACHMENT 7



DRIVE THRU SIDE ELEVATION



MT METAL ROOF PANEL
WHATABURGER ORANGE

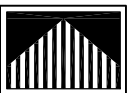


MD METAL DOOR
COLOR: PPG-HIGHLAND PLAINS



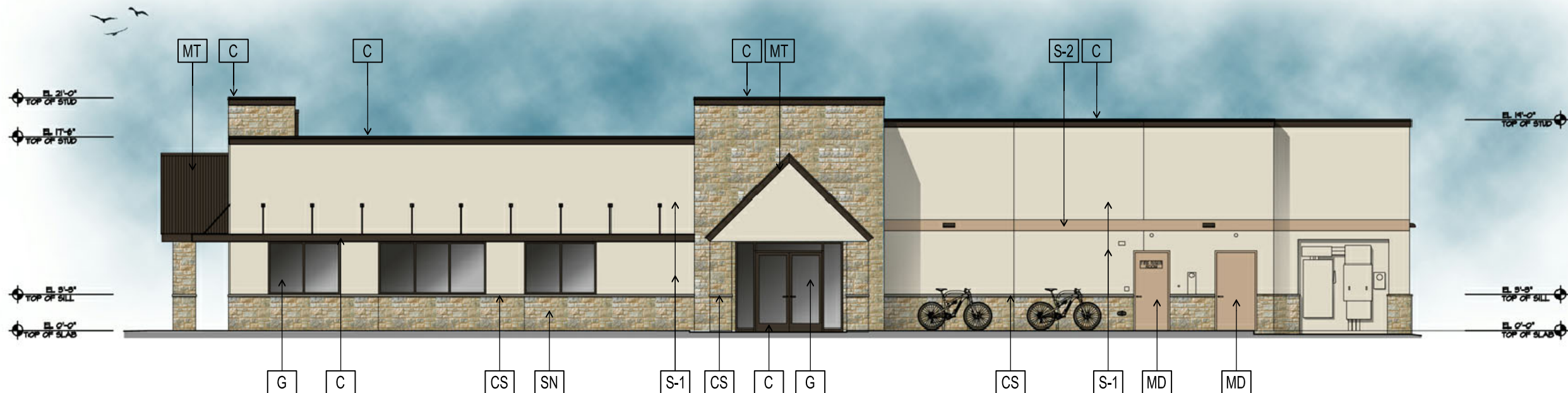
CS CAST STONE
SITE WORKS-CAST STONE "NATURAL"

ATTACHMENT 8



Castles Design Group
NEC THOMAS RD AT 71ST
SCOTTSD

4-DR-2020
5/12/2020



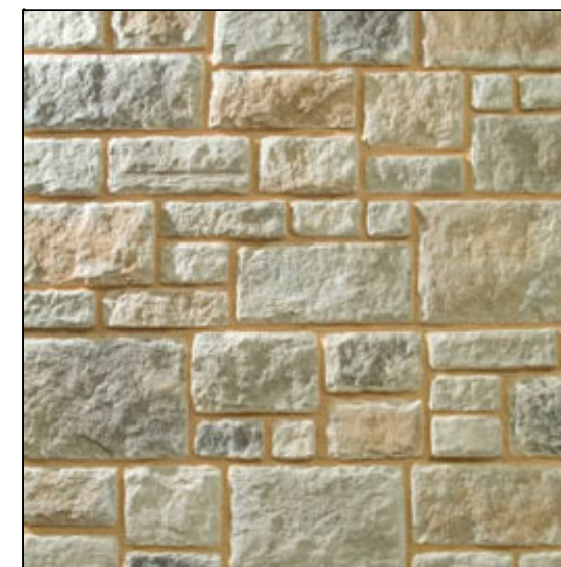
NON-DRIVE THRU SIDE ELEVATION



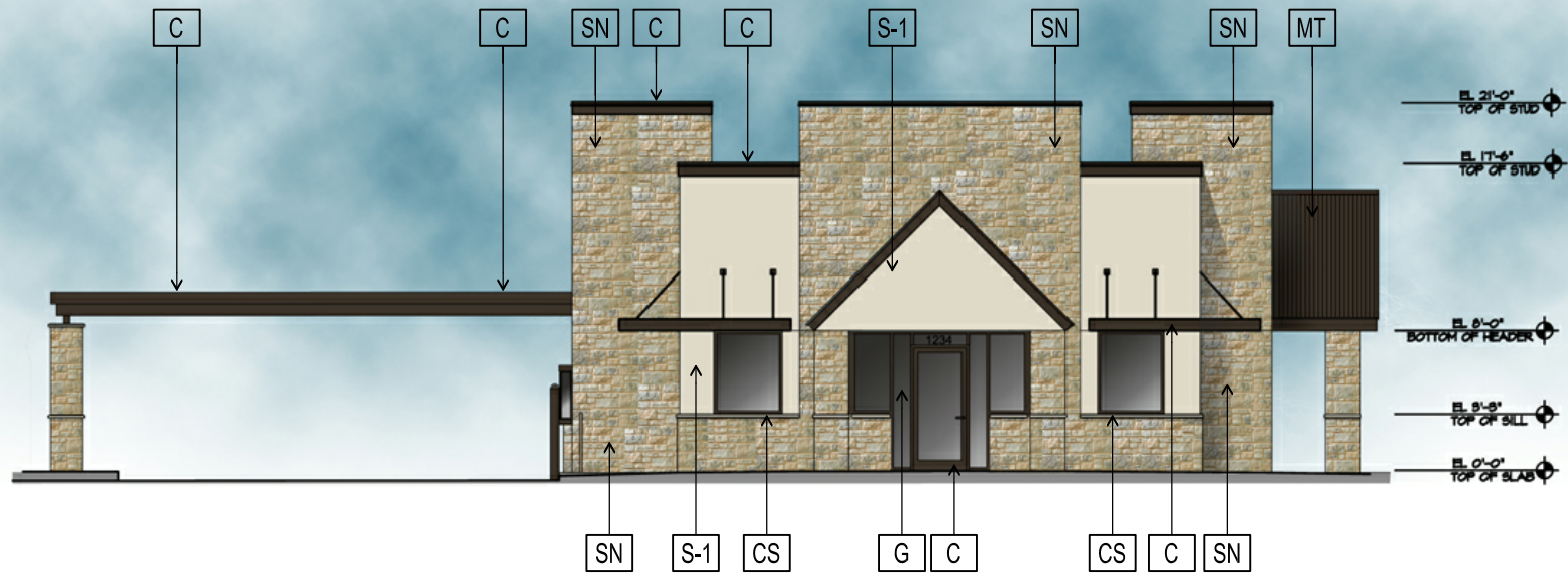
S-2 STUCCO
COLOR: PPG-HIGHLAND PLAINS



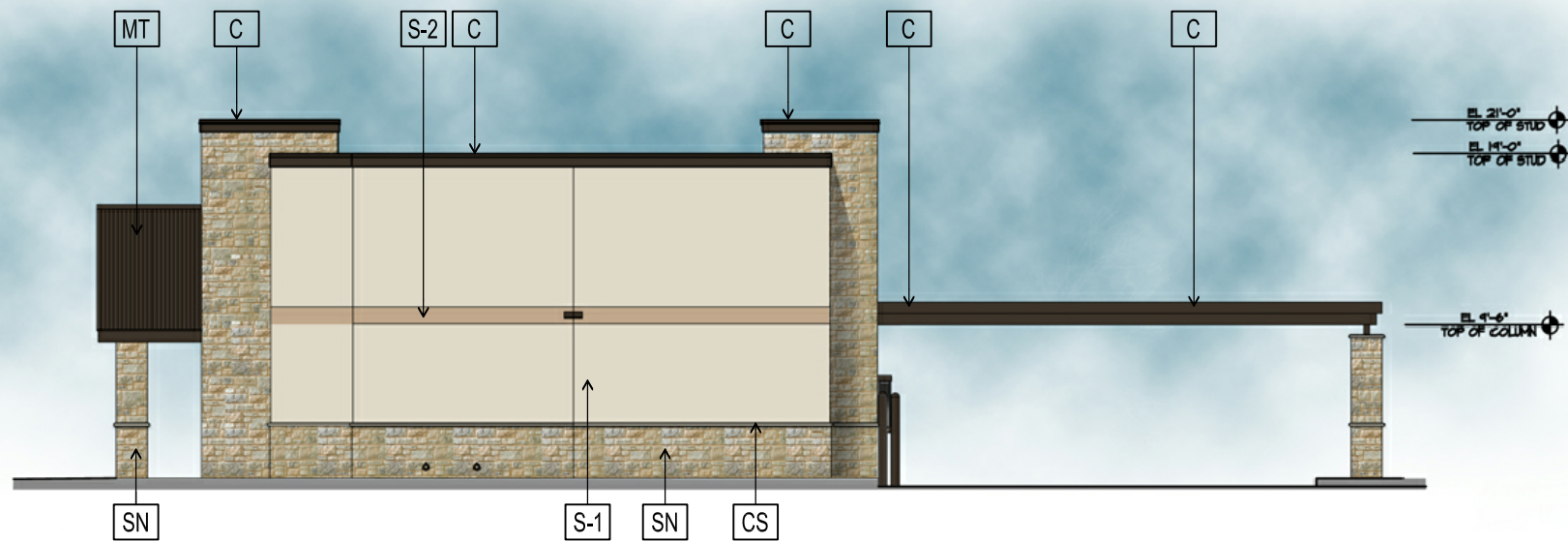
S-1 STUCCO
STO #10609 "FRENCH VANILLA"



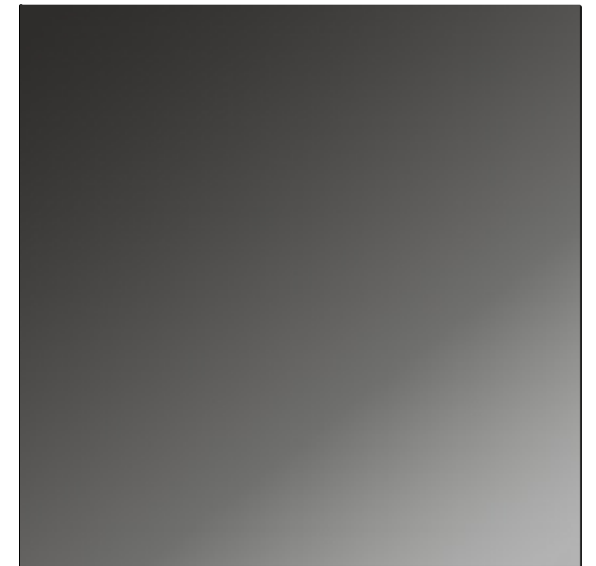
SN SYNTHETIC STONE VENEER
LONESTAR - "MARBLE FALLS" - "CHALK"



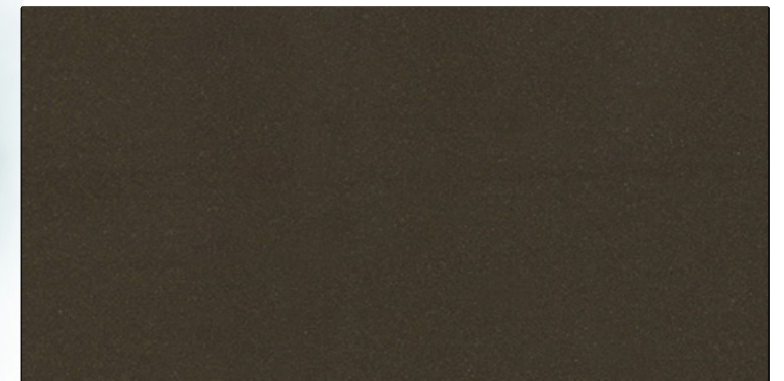
FRONT ELEVATION



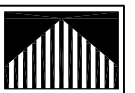
REAR ELEVATION



G GLASS
DARK BRONZE



C METAL CANOPY, STOREFRONT &
PARAPET CAP
COLOR: PPG PAINT-DARK BRONZE



UNDERGROUND CONDUIT SCHEDULE				
#	CIRCUIT	WIRE SIZE	GROUND	CONDUIT SIZE
1	L1-63,65	2-#10 THWN	#10	3/4"
	L1-74,76			

- KEYNOTES (X)
- 1

AREA LIGHTS WITH POLE AND BASE.
- 2

EXTERIOR MENU BOARD. RE: E5.1 FOR CIRCUIT INFORMATION.
- 3

ELECTRICAL UNDERGROUND SECONDARY SERVICE ENTRANCE CONDUITS TO BUILDING FROM TRANSFORMER BY E.C. RE:1/E3.1. COORDINATE ELECTRIC SERVICE ROUTING WITH UTILITY COMPANY.
- 4

PROVIDE 1" C. 120 V. ELECTRICAL SERVICE FOR MENU BOARD FROM L1. REFER TO PANEL SCHEDULE SHEET E5.1 FOR SPECIFIC CIRCUIT NUMBERS.
- 5

1" C WITH PULL STRING FOR VEHICLE DETECTOR, AUDIO & VIDEO TO BACK OF DRIVE THRU WINDOW FROM SPEAKER POST.
- 6

2" UNDERGROUND TELEPHONE SERVICE CONDUIT. ROUTE LINE TO BUILDING AT THIS LOCATION. COORDINATE TELEPHONE SERVICE WITH UTILITY.
- 7

FLAG POLE LIGHT. COORDINATE EXACT LOCATION WITH ARCHITECT. RE:4/E3.1
- 8

FUTURE TRASH COMPACTOR. PROVIDE 30/3P/NF/NEMA 3R DISCONNECT SWITCH WITH 208V, 3 PHASE POWER TO PANEL "A". STUB UP AGAINST SERVICE YARD WALL.
- 9

PROVIDE EXTRA 3/4" EMPTY CONDUIT WITH PULL WIRE. ROUTE CONDUIT FROM SITE LIGHTING POLE TO BUILDING LOCATION DETERMINED BY OWNER. COORDINATE WITH OWNER.
- 10

2" C TO SPRINKLER CONTROL BOX. RE: 1/E2.1.
- 11

UNDERGROUND ELECTRICAL SERVICE TO TRANSFORMER.

- GENERAL NOTES
- A

CIRCUIT SIGNAGE TO NEW BUILDING AS SHOWN.
- B

ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER AND TELEPHONE REQUIREMENTS AND EQUIPMENT PRIOR TO INSTALLATION.
- C

ELECTRICAL CONTRACTOR TO VERIFY UNDERGROUND SERVICE REQUIREMENTS WITH POWER CO.
- D

SIGNAGE TO BE INSTALLED BY SIGN CONTRACTOR. VERIFY EXACT LOCATIONS, LOADS AND WIRING REQUIREMENTS PRIOR TO INSTALLATION.
- E

ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING AND CONNECTIONS FOR SIGNAGE AND PARKING LOT LIGHTS. (COORDINATE EXACT LOCATIONS).
- F

ELECTRICAL CONTRACTOR SHALL VERIFY ALL REQUIREMENTS WITH GENERAL CONTRACTOR.
- G

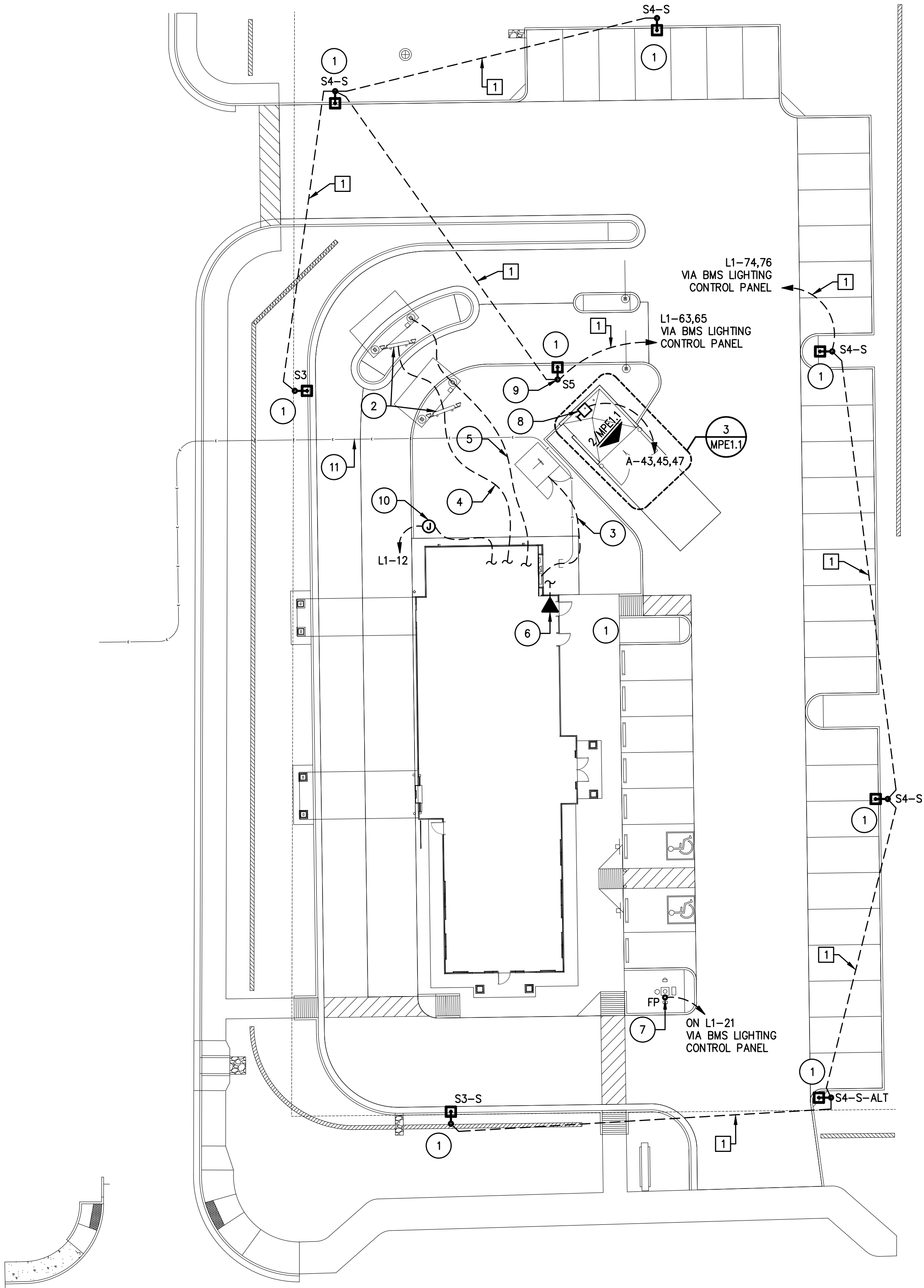
UNDERGROUND CONDUIT INSTALLATIONS SHALL COMPLY WITH NEC ARTICLE 300.5.
- H

EXTERIOR LIGHTING AND SIGN LIGHTING SHALL BE CONTROLLED VIA TIME CLOCK AND PHOTOCELL. REFER TO SHEET MPE3.1 FOR LIGHTING CONTROL WIRING DIAGRAM.
- J

ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.
- K

ALL UNDERGROUND CONDUIT RUNS SHALL BE ROUTED CLEAR OF UNDERGROUND DETENTION.
- L

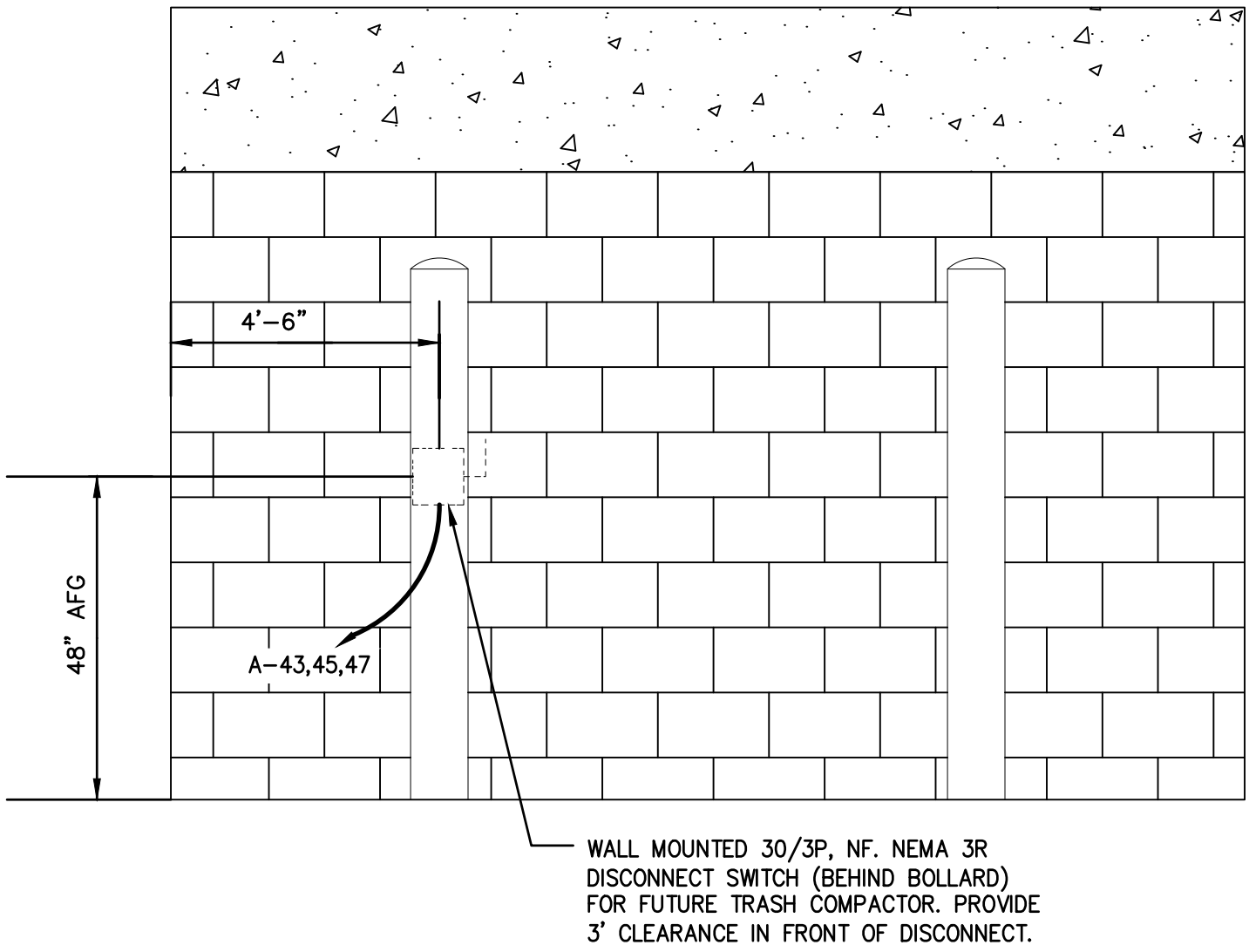
ALL EXTERIOR LIGHT POLES, FLAGPOLE LIGHTS, SIGNAGE, AND EXTERIOR MENU BOARDS SHALL ROUTE THROUGH THE BMS LIGHTING CONTROL PANEL.



1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"



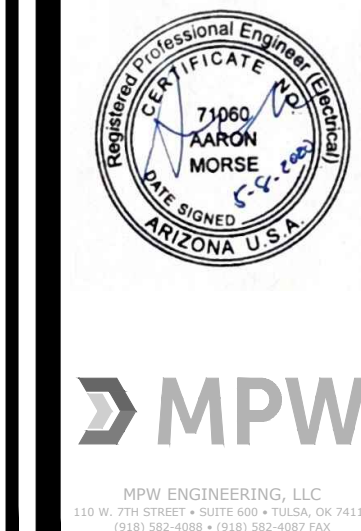
3 SERVICE YARD CLEARANCE
SCALE: 1"=10'-0"



2 SERVICE YARD WALL
SCALE: NOT TO SCALE

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES 24-HOURS PRIOR TO COMMENCING CONSTRUCTION.

PROJECT:
PT14M BUILDING TYPE
NEC THOMAS RD AT 71ST
SCOTTSDALE, AZ 85251



WHATABURGER
300 CONCORD PLAZA DR.
SAN ANTONIO, TEXAS
210-476-6000 ZIP 78216
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SHEET TITLE:
ELECTRICAL
SITE PLAN

PROJECT NO. 2104369
DATE: 01/16/2020
SCALE: AS SHOWN
DRAWN BY: RMG
APPROVED BY: JSR

SHEET NO:
MPE1.1





TECHLIGHT
INNOVATION IN ILLUMINATION

Catalog Number

Project

Type

FEATURES & SPECIFICATIONS

APPLICATION — The Cutlass Series of high output LED luminaires are designed to be a replacement for HID area lights. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for parking, restaurant, quick service, shopping centers, or general area lighting applications.

CONSTRUCTION — The heavy-duty housing is constructed of cast aluminum with heat dissipating fins. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED system for ease of maintenance. ETL listed for wet locations (IP65). Each fixture can accommodate advanced wireless control, management and reporting systems for outdoor lighting when ordered with the CTLARM mounting (required).

FINISH — A corrosion-resistant epoxy E-Coat layer that forms a uniform and all-encompassing protective barrier is applied to the fixtures prior to electrostatically applying a super durable powder coat finish. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, Automotive Frontline Wide, IV Tennis, V Medium and V Wide beam configurations. Optics may be ordered rotated 90 degrees for perimeter lighting or walkway applications (optics are not field rotatable). Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

ELECTRICAL SYSTEM — Available in up to a 60,000 lumens output LED system in 5000K Cool White (+/- 500K) or 4000K Neutral White color temperatures. Available with 120-277V 50/60 Hz power

LIGHT FIXTURES "S"

CTL SERIES

High Lumen Output Cutlass LED Area Light



SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA (FT²)
CTL	4.45"	17.25" x 12.26"	1.4

supply. LED's rated for over 50,000 hours at 25°C ambient temperature. 480V and 347V input option available. 0-10V dimming. Built-in surge protection up to 10 kV. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL8750 standards.

MOUNTING — Proprietary slide-on mounting system allows for quick installation. The CTL can be ordered with an aesthetically pleasing arm mount (CTLARM – required for integrating dynamic control systems), a 2" adjustable slip fitter (CTL2AF) for mounting on a standard 2-3/8" OD tenon and an entire complement of pole brackets with integrated quick mount technology. CTLSM for direct mounting to poles in single (1 @ 90°) or D180 (2 @ 180°).

LISTINGS — Complies with UL8750. ETL listed for damp locations. Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

CTLC60LT5M1-BZ

CTL						
SERIES	COLOR TEMP	NOMINAL LUMENS	OPTICS	VOLTAGE	OPTIONS	FINISH
	C = Cool White (5000K) N = Neutral White (4100K) W = Warm White (3000K) Models Only ⁷	5L = 5,000 Lumens 8L = 8,000 Lumens 10L = 10,000 Lumens 12L = 12,000 Lumens 15L = 15,000 Lumens 20L ⁷ = 20,000 Lumens 25L = 25,000 Lumens 30L = 30,000 Lumens 35L ⁷ = 35,000 Lumens 40L ⁷ = 40,000 Lumens 45L = 45,000 Lumens 50L ⁷ = 50,000 Lumens 55L ⁷ = 55,000 Lumens 60L ⁷ = 60,000 Lumens	T2 = Type II T3 = Type III T4 = Type IV FAW = Frontline Auto Wide T4T = Type IV Tennis T5M = Type V Medium T5W = Type V Wide	1 = Multi-Volt ¹ 2 = 347-480V (HV)	PCR7 ⁶ = 7 Pin Twist-Lock Photocell Receptacle ANSI C136.41 & Receptacle Shorting Cap	BZ = Bronze BK = Black GR = US Green WH = White SP = Special ²

ACCESSORIES (Order as separate line items)

CTL2AF ^{5,8}	2" Adjustable Slip Fitter
PC2	480V Twist-Lock Photocell
PC7	Multi-Tap (105-285V) Twist-Lock Photocell
CTLARM ⁵	Decorative Arm Mount (0.3 EPA, 3.5 lbs)
CTLSM ^{3,5}	Slide Mount Adaptor
CTLB15 ⁸	Adjustable Yoke Mount with Slide Adaptor
CTLARMR	Decorative Arm Mount for Round Poles (0.3 EPA, 3.7 lbs)
CTLRMFSP	Arm with Integrated PIR Motion Sensor
S215 ⁴	Angled Back Light Shield
TLWFSIR-100	Remote Handheld Sensor Configuration Tool
TLWSFSP-L2	360° lens, maximum coverage 48" diameter from 8' height
TLWSFSP-L3	360° lens, maximum coverage 40" diameter from 20' height
TLWSFSP-L4	360° lens, maximum coverage 60" diameter from 40' height
TLWSFSP-L7	360° lens, maximum coverage 100" diameter from 40' height
CTLHT238	Horizontal 2-3/8" OD Tenon Mount

NOTES

- ¹ = Multi-Volt is an auto ranging power supply from 100V to 300V input.
- ² = Custom RAL color matching is available. Contact your sales representative for additional info.
- ³ = Slide mount adaptor for direct pole mounts cannot be used when mounting fixtures at 90° increments.
- ⁴ = Order one for 5L-20L units, two for 25L-40L units, three for 45L-60L units
- ⁵ = Accessory mounting device must be ordered for each cutlass luminaire to provide mounting means.
- ⁶ = PCR7 photocell receptacle must be oriented in the field so that the light sensor on the control is facing North. When used with the CTL2AF, the fixture must be in a downward facing position (<90° tilt). Use of the PCR7 with a fixture in an upward facing position will void warranty.
- ⁷ = 20L, 35L, 40L, 50L, 55L and 60L are the only Nominal Lumen Packages available in a Warm White color temperature. All other lumen packages are only available in Cool White and Neutral White.
- ⁸ = Do not tilt the CTL more than 45 degrees upward from horizontal when using the CTL2AF & CTLB15



DesignLights Consortium® Qualified. Please go to www.designlights.org for the current Qualified Products List. Further details about qualified models may be found under Family Models.



ATTACHMENT 11

W

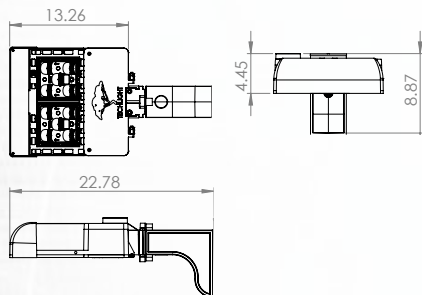
4-DR-2020
5/12/2020

CTL High Lumen Output Cutlass LED Area Light

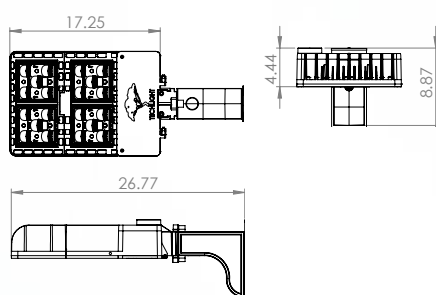
AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately. Fixture shown with arm sold separately.

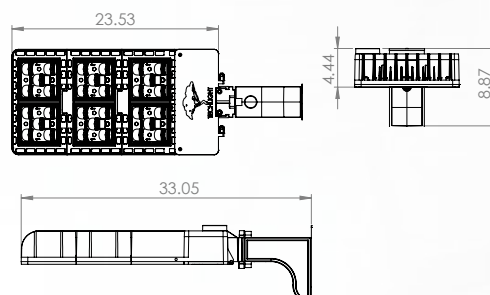
Dimensions shown for 5L - 20L Brick Unit



Dimensions shown for 25L - 40L Brick Unit



Dimensions shown for 45L - 60L Brick Unit



FIXTURE & MOUNTING ACCESSORIES

CTLARM

Decorative Arm Mount (0.3 EPA, 3.5 lbs.) with Slide Mount Adaptor



NOTES

- 1 EPA's shown include both the fixture and the mounting apparatus.
- 2 QMSCM Quick Mount only available for fixtures with up to 4 bricks.
- 3 Order one per LED brick. Field installed.
- 4 PCR7 photocell receptacle must be oriented in the field so that the light sensor on the control is facing North.

CTL2AF[®]

2" Adjustable Slip Fitter with Slide Mount Adaptor



CTLSM

Slide Mount Adaptor



PC2

480V Twist-Lock Photocell



PC6

Multi-Tap (105-285V) Twist-Lock Photocell



PCR7⁴

7-Pin Twist-Lock Photocell Receptacle ANSI C136.41 and Receptacle Shorting Cap



S215⁴

Angled Back Light Shield



CTLB15[®]

Adjustable Yoke Mount with Slide Adaptor



CTLHT238

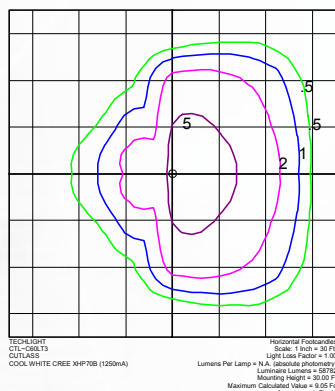
Horizontal 2-3/8" OD Tenon Mount with Slide Mount Adaptor

PHOTOMETRICS

IES INDOOR REPORT PHOTOMETRIC FILE NAME: CTLC60LT3

Type III Optical Assembly 60,000 Lumen, Cool White

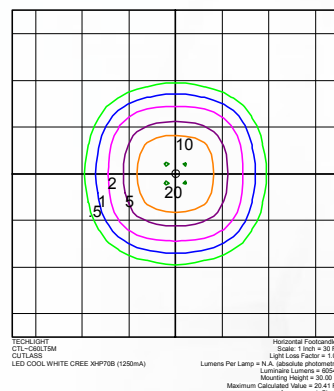
465W CTL LED Cutlass
Color Temperature: 5,000 K



IES INDOOR REPORT PHOTOMETRIC FILE NAME: CTLC60LT5M

Type V Medium Optical Assembly 60,000 Lumen, Cool White

465W CTL LED Cutlass
Color Temperature: 5,000 K

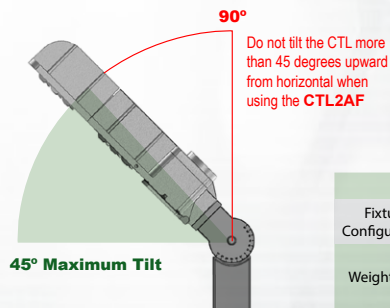
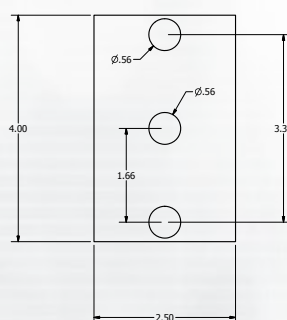


EPA RATINGS (ft²)

Fixture Configuration	ARM MOUNT		
	2 Brick EPA's ¹	4 Brick EPA's ¹	6 Brick EPA's ¹
CTLAM			
1 @ 90°	0.8	0.9	1.1
2 @ 180°	1.5	1.7	2.1
2 @ 90°	1.4	1.5	1.7
3 @ 90°	2.1	2.3	2.6
4 @ 90° or 4 @ 70°	2.2	2.5	2.9

DRILL TEMPLATE

CTL - Not to Scale



Fixture Configuration	FIXTURE WEIGHTS (APPROX)		
	2 Brick	4 Brick	6 Brick
Weight (lbs)	14 lbs	20 lbs	28 lbs

LUMINAIRE CHARACTERISTICS

Cool White

Output ID	Nominal Lumens	Delivered Lumens							System Wattage	L70 @ 25°C	Amperage Draw					
		TYPE II	TYPE III	TYPE IV	TYPE 4T	FAW	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
5L	5,000	4729	5163	4778	5105	4752	5280	4879	43	>50K	0.36	0.21	0.18	0.16	0.13	0.09
		B2 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G1	B2 U0 G2	B3 U0 G1	B3 U0 G2								
8L	8,000	7034	7678	7105	7591	7065	7850	7254	68	>50K	0.57	0.33	0.29	0.25	0.20	0.15
		B2 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G1	B2 U0 G2	B3 U0 G1	B3 U0 G2								
10L	10,000	9446	10311	9541	10195	9488	10542	9741	93	>50K	0.78	0.45	0.39	0.34	0.27	0.20
		B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G2	B3 U0 G2	B3 U0 G1	B3 U0 G2								
12L	12,000	11021	12030	11132	11895	11070	12300	11366	108	>50K	0.90	0.52	0.45	0.39	0.32	0.23
		B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G2	B3 U0 G3	B4 U0 G1	B4 U0 G2								
15L	15,000	13225	14436	13358	14273	13284	14760	13639	135	>50K	1.13	0.65	0.57	0.49	0.39	0.29
		B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G2	B3 U0 G3	B4 U0 G1	B4 U0 G2								
20L	20,000	17194	18767	17367	18556	17271	19189	17731	159	>50K	1.33	0.77	0.67	0.58	0.46	0.34
		B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G2	B3 U0 G3	B4 U0 G1	B5 U0 G3								
25L	25,000	22310	24352	22534	24078	22410	24899	23007	220	>50K	1.84	1.06	0.92	0.80	0.64	0.46
		B3 U0 G3	B3 U0 G4	B4 U0 G4	B4 U0 G2	B3 U0 G3	B5 U0 G1	B5 U0 G3								
30L	30,000	26450	28870	26715	28545	26568	29519	27276	265	>50K	2.21	1.28	1.11	0.96	0.77	0.56
		B3 U0 G3	B3 U0 G4	B4 U0 G4	B4 U0 G2	B3 U0 G3	B5 U0 G1	B5 U0 G4								
35L	35,000	31275	34138	31590	33754	31415	34905	32253	294	>50K	2.45	1.42	1.23	1.07	0.85	0.62
		B3 U0 G3	B3 U0 G4	B4 U0 G4	B4 U0 G2	B3 U0 G3	B5 U0 G1	B5 U0 G4								
40L	40,000	35918	39206	36279	38765	36079	40087	37041	320	>50K	2.67	1.54	1.34	1.16	0.93	0.67
		B4 U0 G5	B4 U0 G5	B4 U0 G4	B4 U0 G2	B4 U0 G5	B5 U0 G2	B5 U0 G4								
45L	45,000	40032	43696	40434	43204	40211	44678	41283	400	>50K	3.34	1.93	1.67	1.45	1.16	0.84
		B4 U0 G5	B4 U0 G5	B5 U0 G5	B5 U0 G3	B4 U0 G5	B5 U0 G2	B5 U0 G5								
50L	50,000	44409	48473	44855	47928	44607	49563	45797	424	>50K	3.54	2.04	1.77	1.54	1.23	0.89
		B4 U0 G5	B4 U0 G5	B5 U0 G5	B5 U0 G3	B4 U0 G5	B5 U0 G2	B5 U0 G5								
55L	55,000	49213	53717	49708	53113	49433	54925	50751	455	>50K	3.80	2.19	1.90	1.65	1.32	0.95
		B4 U0 G5	B5 U0 G5	B5 U0 G5	B5 U0 G3	B4 U0 G5	B5 U0 G2	B5 U0 G5								
60L	60,000	53878	58809	54419	58147	54118	60131	55562	465	>50K	3.88	2.24	1.94	1.68	1.35	0.97
		B4 U0 G5	B5 U0 G5	B5 U0 G5	B5 U0 G4	B5 U0 G5	B5 U0 G2	B5 U0 G5								

Neutral White

Output ID	Nominal Lumens	Delivered Lumens							System Wattage	L70 @ 25°C	Amperage Draw					
		TYPE II	TYPE III	TYPE IV	TYPE 4T	FAW	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
5L	5,000	4539 B2 U0 G3	4955 B3 U0 G3	4586 B3 U0 G3	4900 B3 U0 G1	4561 B2 U0 G2	5068 B3 U0 G1	4683 B3 U0 G2	43	>50K	0.36	0.21	0.18	0.16	0.13	0.09
8L	8,000	6753 B2 U0 G3	7371 B3 U0 G3	6821 B3 U0 G3	7288 B3 U0 G1	6783 B2 U0 G2	7536 B3 U0 G1	6964 B3 U0 G2	68	>50K	0.57	0.33	0.29	0.25	0.20	0.15
10L	10,000	9069 B3 U0 G3	9899 B3 U0 G3	9160 B3 U0 G3	9788 B3 U0 G2	9109 B3 U0 G2	10121 B3 U0 G1	9352 B3 U0 G2	93	>50K	0.78	0.45	0.39	0.34	0.27	0.20
12L	12,000	10580 B3 U0 G3	11549 B3 U0 G3	10687 B3 U0 G3	11419 B3 U0 G2	10628 B3 U0 G3	11808 B4 U0 G1	10911 B4 U0 G2	108	>50K	0.90	0.52	0.45	0.39	0.32	0.23
15L	15,000	12697 B3 U0 G3	13859 B3 U0 G3	12824 B3 U0 G3	13703 B3 U0 G2	12753 B3 U0 G3	14170 B4 U0 G1	13094 B4 U0 G2	135	>50K	1.13	0.65	0.57	0.49	0.39	0.29
20L	20,000	16507 B3 U0 G3	18017 B3 U0 G3	16672 B3 U0 G3	17815 B3 U0 G2	16580 B3 U0 G3	18422 B4 U0 G1	17022 B5 U0 G3	159	>50K	1.33	0.77	0.67	0.58	0.46	0.34
25L	25,000	21418 B3 U0 G3	23379 B3 U0 G4	21634 B4 U0 G4	23116 B4 U0 G2	21514 B3 U0 G3	23904 B5 U0 G1	22088 B5 U0 G3	220	>50K	1.84	1.06	0.92	0.80	0.64	0.46
30L	30,000	25392 B3 U0 G3	27716 B3 U0 G4	25647 B4 U0 G4	27404 B4 U0 G2	25506 B3 U0 G3	28339 B5 U0 G1	26186 B5 U0 G4	265	>50K	2.21	1.28	1.11	0.96	0.77	0.56
35L	35,000	30025 B3 U0 G3	32772 B3 U0 G4	30326 B4 U0 G4	32404 B4 U0 G2	30159 B3 U0 G3	33509 B5 U0 G1	30963 B5 U0 G4	294	>50K	2.45	1.42	1.23	1.07	0.85	0.62
40L	40,000	34482 B4 U0 G5	37638 B4 U0 G5	34829 B4 U0 G4	37215 B4 U0 G2	34636 B4 U0 G5	38484 B5 U0 G2	35560 B5 U0 G4	320	>50K	2.67	1.54	1.34	1.16	0.93	0.67
45L	45,000	38431 B4 U0 G5	41948 B4 U0 G5	38817 B5 U0 G5	41476 B5 U0 G3	38602 B4 U0 G5	42891 B5 U0 G2	39632 B5 U0 G5	400	>50K	3.34	1.93	1.67	1.45	1.16	0.84
50L	50,000	42633 B4 U0 G5	46535 B4 U0 G5	43061 B5 U0 G5	46011 B5 U0 G3	42823 B4 U0 G5	47581 B5 U0 G2	43965 B5 U0 G5	424	>50K	3.54	2.04	1.77	1.54	1.23	0.89
55L	55,000	47245 B4 U0 G5	51568 B5 U0 G5	47719 B5 U0 G5	50988 B5 U0 G3	47456 B4 U0 G5	52728 B5 U0 G2	48721 B5 U0 G5	455	>50K	3.80	2.19	1.90	1.65	1.32	0.95
60L	60,000	51723 B4 U0 G5	56457 B5 U0 G5	52243 B5 U0 G5	55822 B5 U0 G4	51954 B5 U0 G5	57726 B5 U0 G2	53339 B5 U0 G5	465	>50K	3.88	2.24	1.94	1.68	1.35	0.97



LIGHT FIXTURES "M"

Catalog Number

Project

Type

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for cutoff applications where long life, low maintenance, and consistent color rendering are required. Areas with limited accessibility due to fixture location or where heavy pedestrian traffic makes maintenance difficult are ideal applications such as building facade lighting or wall mounted security lighting. The traditional design style of the luminaire allows it to be seamlessly integrated into existing systems when necessary.

CONSTRUCTION — The heavy duty housing is constructed of die cast aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. ETL listed for wet locations (IP64). Additional IP66 rating available upon request.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmittivity materials to achieve precise photometric distributions. Available in a Type III beam configuration. Fixture is full cutoff and is Star Light Friendly (meets or exceeds Dark Sky requirements).

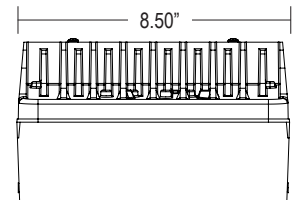
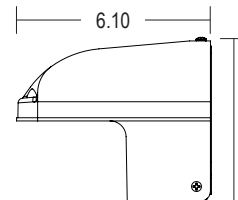
ELECTRICAL SYSTEM — Available in a high output 2 or 4 LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures propagated with Philips Lumileds LUXEON® M LED's. Available with 90-300V 50/60 Hz Driver. LED's rated for over 50,000 hours at 25°C ambient temperature. 0-10V dimming standard. Built-in surge protection up to 6 kV. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL1310 and UL8750 standards and is IP67 rated for wet locations.

MOUNTING — Quick sheet metal mounting bracket connects to a standard J-Box. The bracket has a unique hanging feature to allow easy wire connections. After connections are made, the fixture swings up and is secured with two retaining screws at the top of the fixture. An additional back box is available for applications requiring conduit entry (See Accessories).

LISTINGS — LED Driver listed for wet locations (IP67). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation.



Small Heat Sink LED Wall Pack LHWP SERIES



Series	Housing Height	Length & Width
LHWP	5.00"	6.10" x 8.50"



DesignLights Consortium® Qualified. Please go to www.designlights.org for the current Qualified Products List. Further details about qualified models may be found under Family Models.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Example: **LHWP1C4T3H1-BZ**

LHWP

Series	# of Bricks	Color Temp	# LED's per Brick	Optics	Drive Current	Voltage	Finish
LHWP	1 1 Brick	C Cool White (5000K) N Neutral White (4100K)	2 2 LED 4 4 LED	T3 Type III	F 1400mA Driver H 2100mA Driver	1 Multi-Volt ¹	BK Black BZ Bronze GR US Green WH White SP Special ²

Accessories (Order as separate line items)

PSHSENC	Back Box Enclosure with Conduit Entries
LHWPBBU	2000 Lumen/90 Minute Battery Back-Up with Fixture Back Box
P1000PC ³	Button Type Photocell (requires PSHSENC Back Box)
IP66 ⁴	Additional IP66 Fixture Rating

NOTES

- Multi-Volt is an auto ranging power supply from 90V to 300V input.
- Custom RAL color matching is available. Contact your Techlight sales representative for additional information.
- P1000PC operates at 120V only. For photocells to operate at additional voltages, please consult your local Techlight representative. Back Box Enclosure required for Button Photocell mounting.
- Additional IP66 rating may not be changed once production has begun on the fixtures.

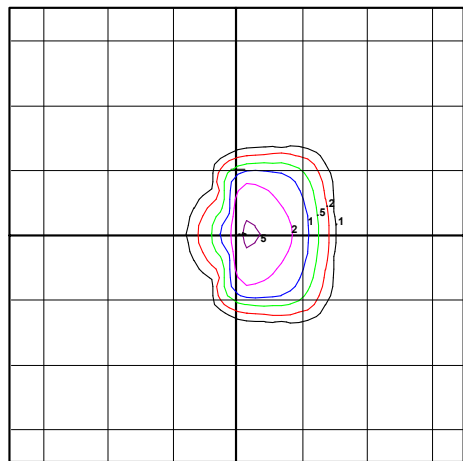
LHWP Small Cutoff LED Wall Pack

PHOTOMETRICS

IES INDOOR REPORT
PHOTOMETRIC
FILE NAME:
LHWP1C4T3F1

Type III Optical Assembly
1 Brick, 1400mA, Cool
White

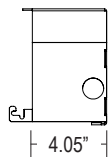
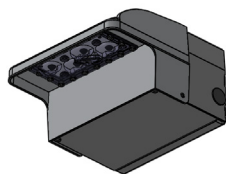
38W LHWP Wall Pack
Color Temperature: 5,000 K



Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N/A (absolute photometry)
Luminaire Lumens = 3061
Mounting Height = 8.00 Ft
Maximum Calculated Value = 6.13 Fc
Arrangement: Single
Arm Length = .5 Ft

ADDITIONAL FIXTURE ACCESSORIES

PSHSENC
Back Box Enclosure with Side and Top Conduit Entries



P1000PC
Button-Type Photocell



LHSWP Small Cutoff LED Wall Pack

LUMINAIRE CHARACTERISTICS

Cool White (5000K) 1400 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens	System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE III			120V	208V	240V	277V
1 BRICK	2	CW	1733	18W	> 50K	.15 A	.09 A	.08 A	.07 A
1 BRICK	4	CW	3150	36W	> 50K	.30 A	.18 A	.15 A	.13 A

Neutral White (4100K) 1400 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens	System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE III			120V	208V	240V	277V
1 BRICK	2	NW	1720	18W	> 50K	.15 A	.09 A	.08 A	.07 A
1 BRICK	4	NW	3055	36W	> 50K	.30 A	.18 A	.15 A	.13 A

Cool White (5000K) 2100 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens	System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE III			120V	208V	240V	277V
1 BRICK	2	CW	2536	22W	> 50K	.18 A	.11 A	.10 A	.08 A
1 BRICK	4	CW	4295	58W	> 50K	.49 A	.28 A	.25 A	.21 A

Neutral White (4100K) 2100 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens	System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE III			120V	208V	240V	277V
1 BRICK	2	NW	2460	22W	> 50K	.18 A	.11 A	.10 A	.08 A
1 BRICK	4	NW	4166	58W	> 50K	.49 A	.28 A	.25 A	.21 A

BUG RATINGS (BACKLIGHT, UPLIGHT AND GLARE)

Optic Type	BUG Ratings		
	B (Backlight)	U (Uplight)	G (Glare)
Type III (T3)	1	0	1

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.



Techlight, Inc.
2707 Satsuma Drive
Dallas, TX, 75229
Phone: 214-350-0591, 800-225-0727, Fax: 214-350-9137
www.techlight.com

4-DR-2020
5/12/2020

All dimensions and specifications are subject to change without notice.

Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for surface mount applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications such as retail canopies or parking garages.

CONSTRUCTION — The heavy duty housing is constructed of extruded aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED bricks wired in parallel for ease of maintenance. ETL listed for wet locations (IP64). Additional IP66 rating available upon request.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmittivity materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, V Medium and V Wide beam configurations.

ELECTRICAL SYSTEM — Available in a 2 brick LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures propagated with Philips Lumileds LUXEON® Rebel LED's.. Available with 90-300V 50/60 Hz Class II power supply. LED's rated up to 78,000 (B50 L70) hours for 850 mA operation and 103,000 (B50 L70) for 630 mA operation at 25°C ambient temperature. 480V input option

LIGHT FIXTURES "G"

LRCF SERIES

Rectangular Recessed LED Canopy



SERIES	HOUSING HEIGHT	LENGTH & WIDTH
LRCF	4.42"	26.73" x 14.25"

available. Optional 0-10V dimming. Built-in surge protection up to 10 kV. Thermal protection is provided in the form of a dimming thermal foldback until fixture reverts back to the optimal operating temperature. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL1310 Class 2 and UL8750 standards and is IP67 rated for wet locations.

MOUNTING — The fixture is recess mounted using the trim ring provided for rough-in.

LISTINGS — LED Power Supply listed for wet locations (IP67). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

**LRCF3C8T5WC1WH
DIM**

LRCF							
SERIES	# OF BRICKS	COLOR TEMP	# LED'S PER BRICK	OPTICS	DRIVE CURRENT	VOLTAGE	FINISH
	1 = 1 Brick 2 = 2 Brick	C = Cool White (5000K) N = Neutral White (4100K)	8 = 18 LEDs	T2 = Type II T3 = Type III T4 = Type IV T4A = Type IV Auto T5M = Type V Medium T5W = Type V Wide	C = 700 mA	1 = Multi-Volt ¹ 2 = 480V 3 = 347	BZ = Bronze BK = Black GR = US Green WH = White SP = Special ²

ACCESSORIES

(Order as separate line items)

- DIM**³ Additional Input Ports for 0-10V Dimming
IP66⁴ Additional IP66 Fixture Rating
EW LED 90-min Emergency Light

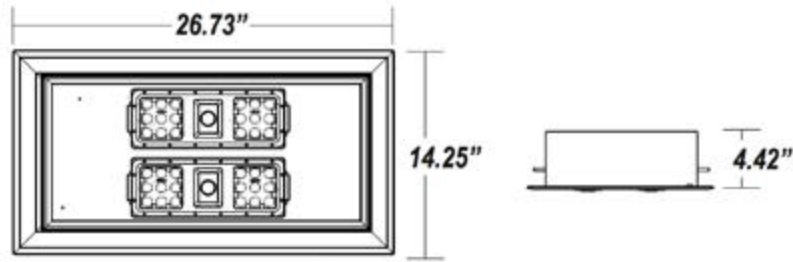
NOTES

- 1 = Multi-Volt is an auto ranging power supply from 100V to 300V input.
 2 = Custom RAL color matching is available. Contact your sales representative for additional info.
 3 = Dimming feature must be ordered prior to manufacture of fixture and cannot be field installed.
 4 = Additional IP66 rating may not be changed once production has begun on the fixtures.

LRCF Rectangular Recessed LED Canopy

AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.



ACCESSORIES

EW 90-Minute Emergency Light with Test Switch



LUMINAIRE CHARACTERISTICS

Cool White (5000K) 700 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens						System Wattage	L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	18	CW	4056	3993	4041	3992	4014	4065	41	>495K	.35 A	.20 A	.18 A	.15 A	.12 A	.09 A
			B2 U0 G1	B2 U0 G1	B2 U0 G1	B1 U0 G1	B2 U0 G1	B3 U0 G1								
2 BRICK	18	CW	8111	7987	8081	7983	8027	8130	81	>495K	.68 A	.39 A	.34 A	.30 A	.24 A	.17 A
			B3 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G1	B3 U0 G1	B3 U0 G2								

Neutral White (4100K) 700 mA Drive Current

# of LED Bricks	# of LEDs per Brick	Color Temp	Delivered Lumens						System Wattage	L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	18	NW	3969	3908	3954	3906	3928	3978	41	>495K	.35 A	.20 A	.18 A	.15 A	.12 A	.09 A
			B2 U0 G1	B2 U0 G1	B2 U0 G1	B1 U0 G1	B2 U0 G1	B3 U0 G1								
2 BRICK	18	NW	7938	7816	7908	7813	7855	7956	81	>495K	.68 A	.39 A	.34 A	.30 A	.24 A	.17 A
			B3 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G1	B3 U0 G1	B3 U0 G2								

BUG RATINGS (Backlight, Uplight And Glare)

Optic Type	BUG Ratings		
	B (Backlight)	U (Uplight)	G (Glare)
Type II (T2)	1	0	1
Type III (T3)	1	0	1
Type IV (T4)	1	0	1
Type V Medium (T5M)	2	0	1
Type V Wide (T5W)	3	0	1

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.



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4-DR-2020
5/12/2020

City Notifications – Mailing List Selection Map

