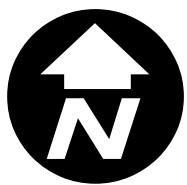


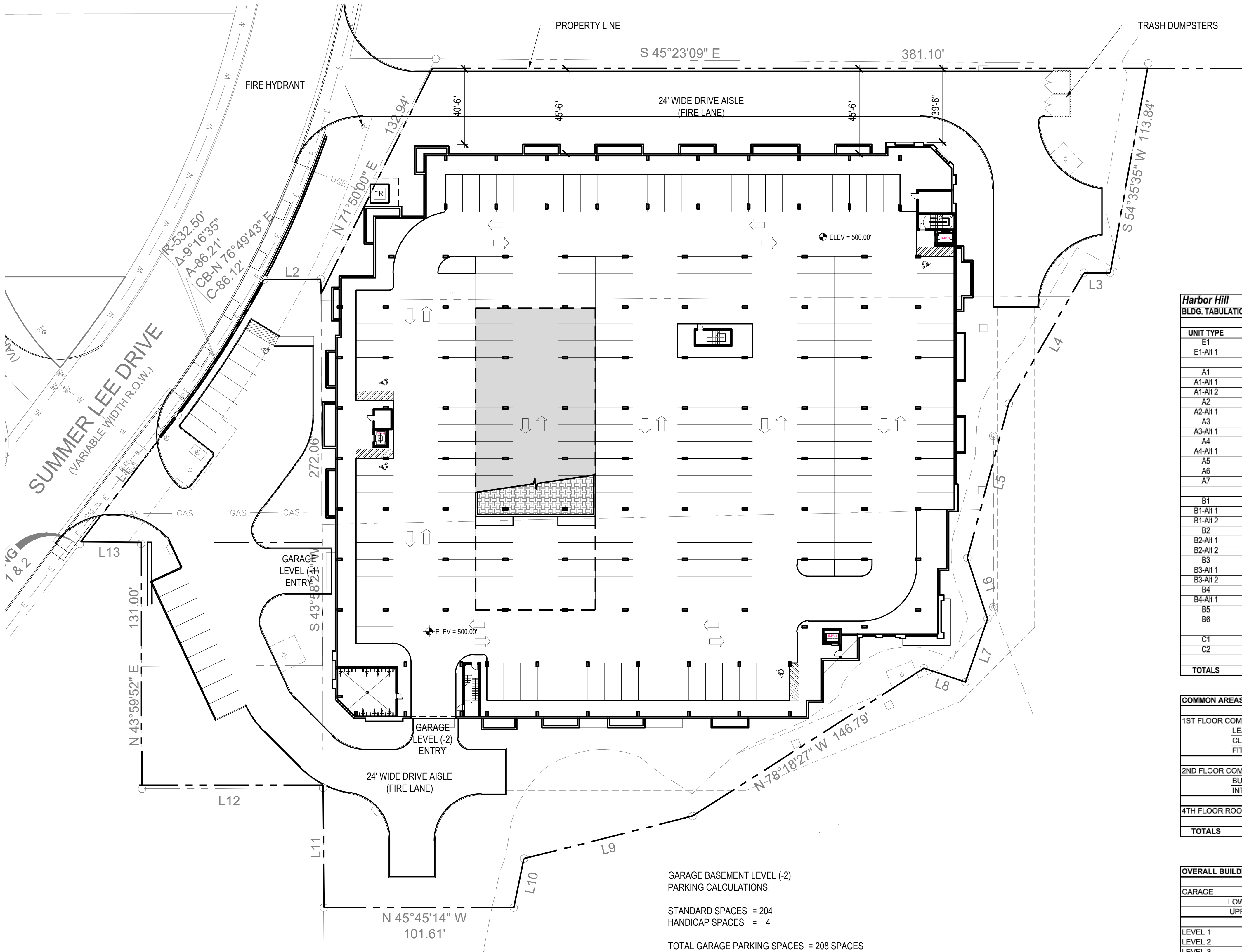


City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





GARAGE BASEMENT LEVEL (-2)
PARKING CALCULATIONS:

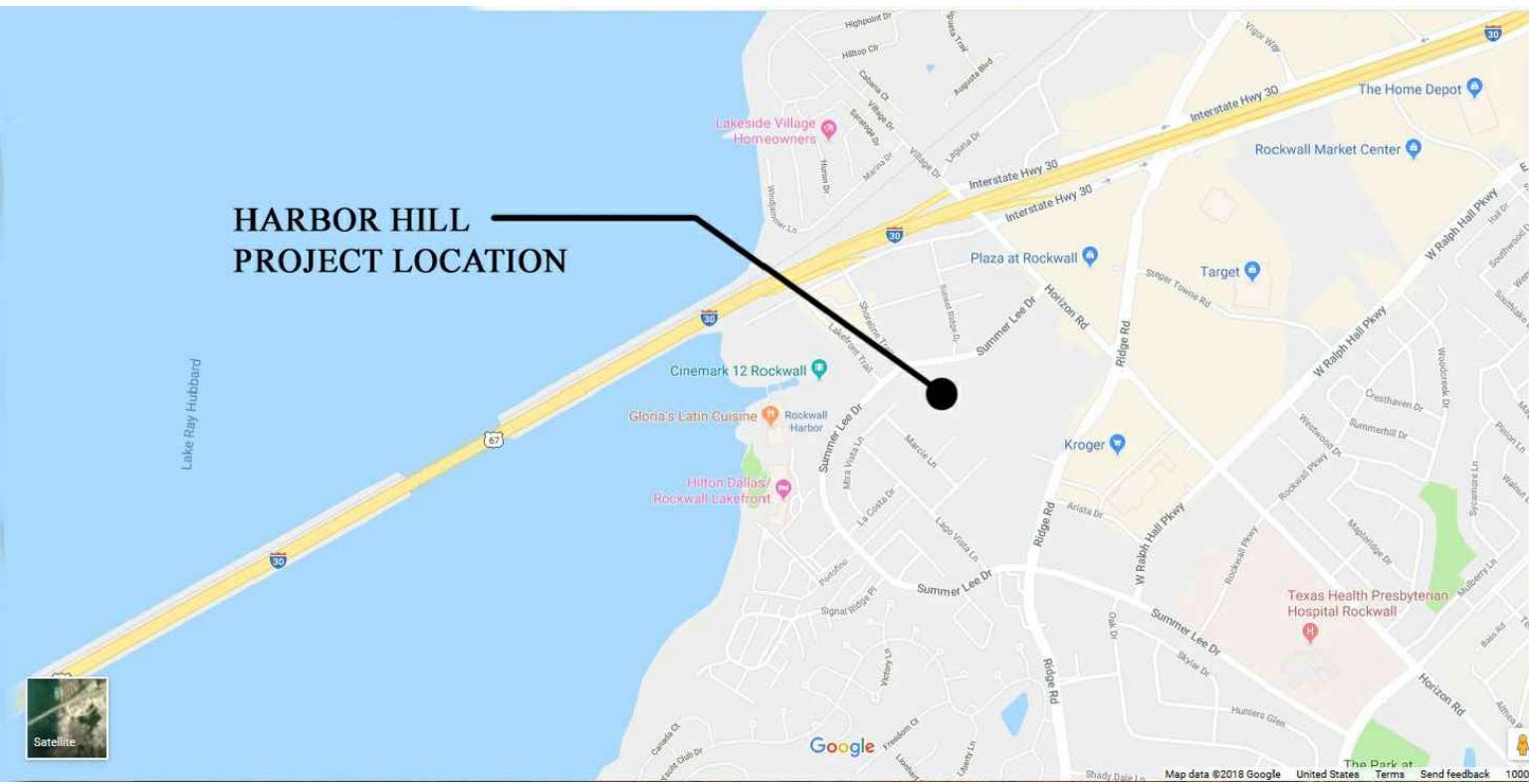
STANDARD SPACES = 204
HANDICAP SPACES = 4

TOTAL GARAGE PARKING SPACES = 208 SPACES



1 ARCHITECTURAL SITE PLAN - GARAGE LEVEL (-2)

SCALE: 1:30



Harbor Hill						DBA Architects	
BLDG. TABULATIONS						09/26/18	
UNIT TYPE	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	TOTALS	GROUP TOTALS	GROUP %
E1	4	4	4	4	16		
E1-Alt 1	3	3	3	3	12	28	11%
A1	3	3	4	3	13		
A1-Alt 1	1	2	1	2	6		
A1-Alt 2	1	1	1	1	4		
A2	2	2	2	2	8		
A2-Alt 1	2	2	2	2	8		
A3	1	1	1	1	4		
A3-Alt 1	2	2	2	2	8		
A4	0	3	4	4	11		
A4-Alt 1	1	1	1	1	4		
A5	9	9	9	9	36		
A6	1	1	1	1	4		
A7	1	1	1	1	4	110	42%
B1	2	2	2	2	8		
B1-Alt 1	4	4	4	4	16		
B1-Alt 2	0	0	1	1	2		
B2	7	7	8	8	30		
B2-Alt 1	4	4	4	4	16		
B2-Alt 2	1	1	1	1	4		
B3	6	6	6	6	24		
B3-Alt 1	0	0	0	0	0		
B3-Alt 2	1	1	1	1	4		
B4	1	1	1	0	3		
B4-Alt 1	1	1	1	1	4		
B5	1	1	1	1	4		
B6	2	2	2	2	8		
C1	0	0	0	0	0	123	46%
C2	1	1	1	1	4		
TOTALS	62	66	69	68	265	265	100%

COMMON AREAS		
1ST FLOOR COMMON AREA:		7,568
LEASING:	2,357	
CLUBHOUSE:	1,676	
FITNESS:	2,748	
2ND FLOOR COMMON AREA:		1,863
BUSINESS CENTER:	605	
INTERNET CAFÉ:	1,258	
4TH FLOOR ROOF PLAZA:		1,151
TOTALS		10,582

OVERALL BUILDING SQUARE FOOTAGES		
GARAGE	LOWER LEVEL	96,539
	UPPER LEVEL	96,627
193,166		
LEVEL 1		77,352
LEVEL 2		77,419
LEVEL 3		77,459
LEVEL 4		77,459
TOTAL		502,855



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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75032

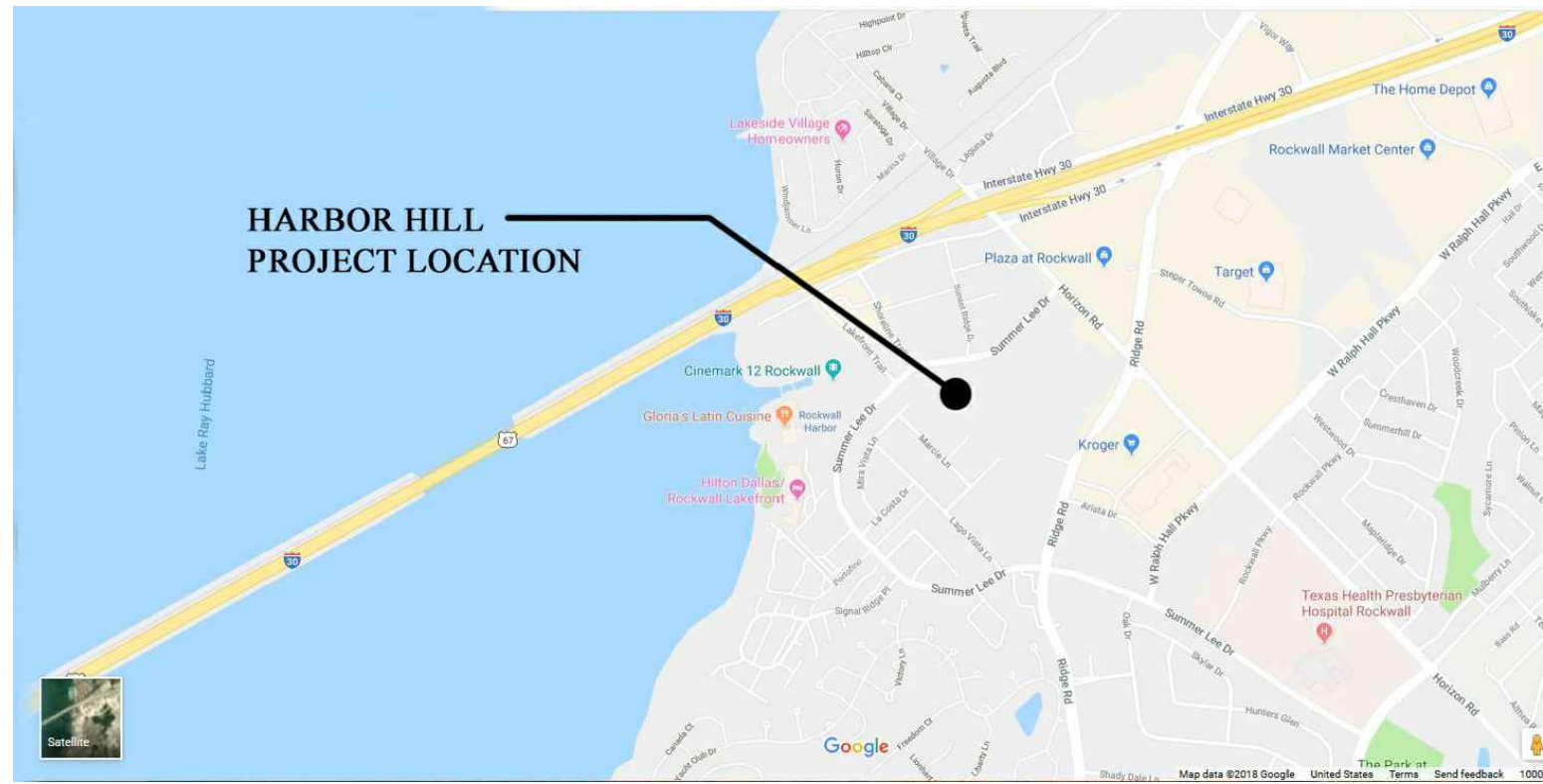
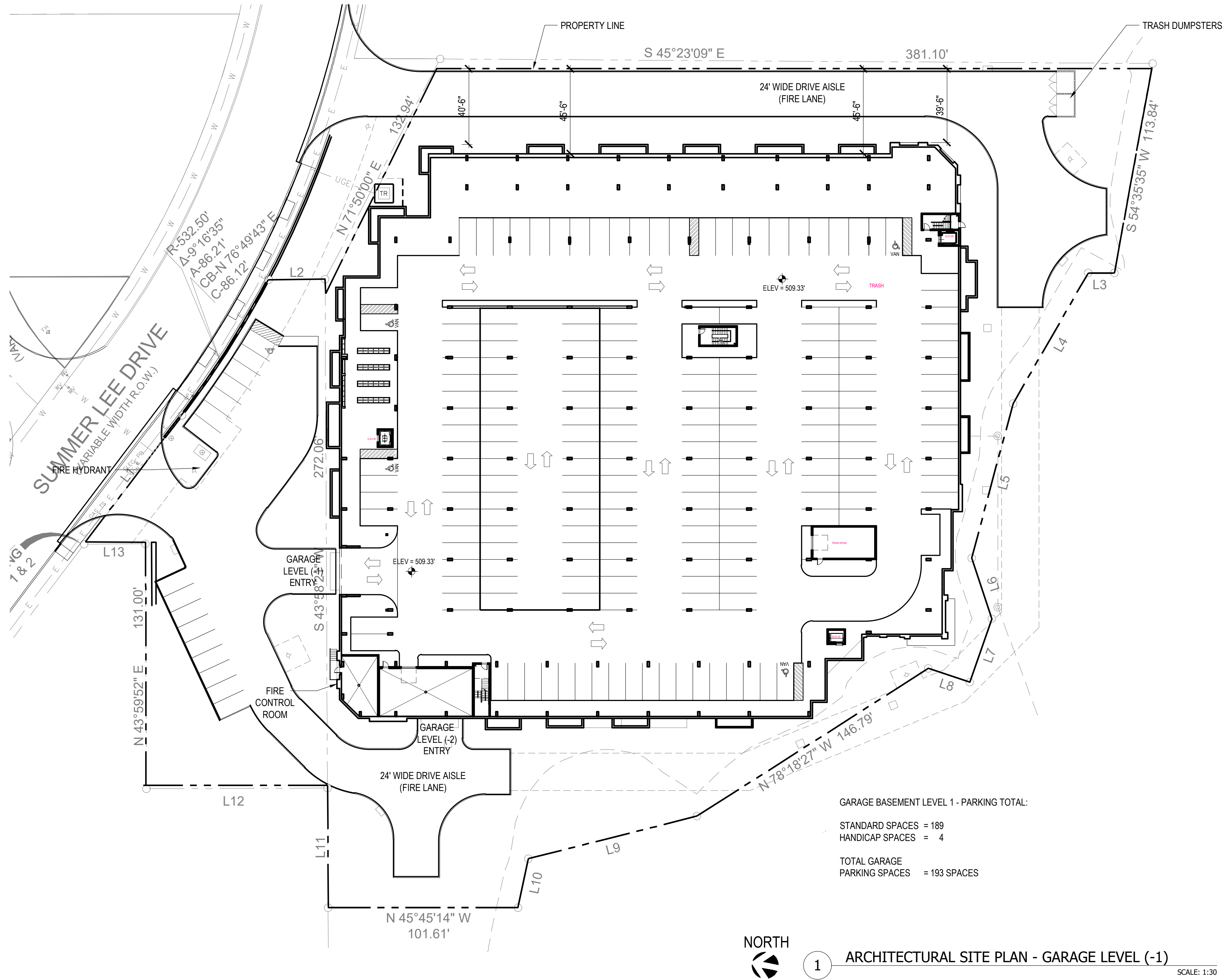
Issue Dates:
HUD INVITATION 03-05-2018
ISSUED FOR PRICING 08-16-2018
ISSUED FOR REVIEW 10-01-2018
HUD INVITATION 10-12-2018
ISSUED FOR DEVELOPMENT REVIEW 11-16-2018

Scale:
Drawn By: RGM
Checked by: BM

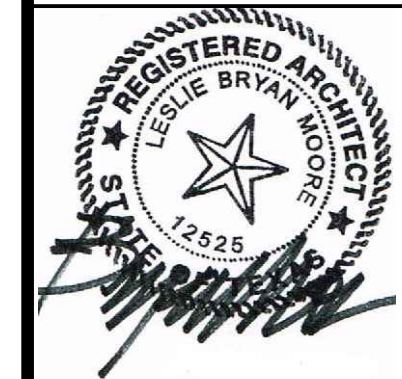
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A201

Project No.

Issued for Development Review: 11-16-18



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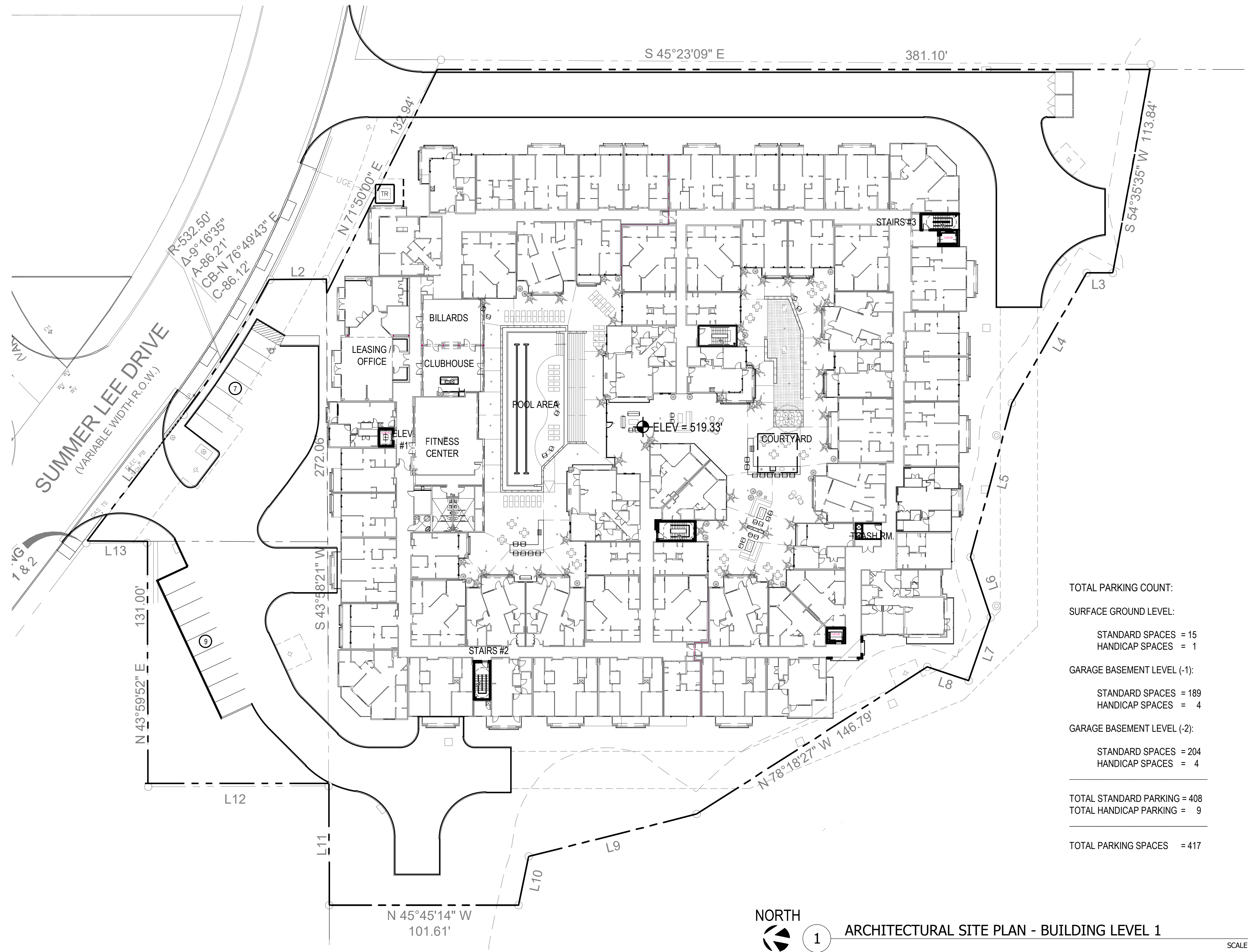


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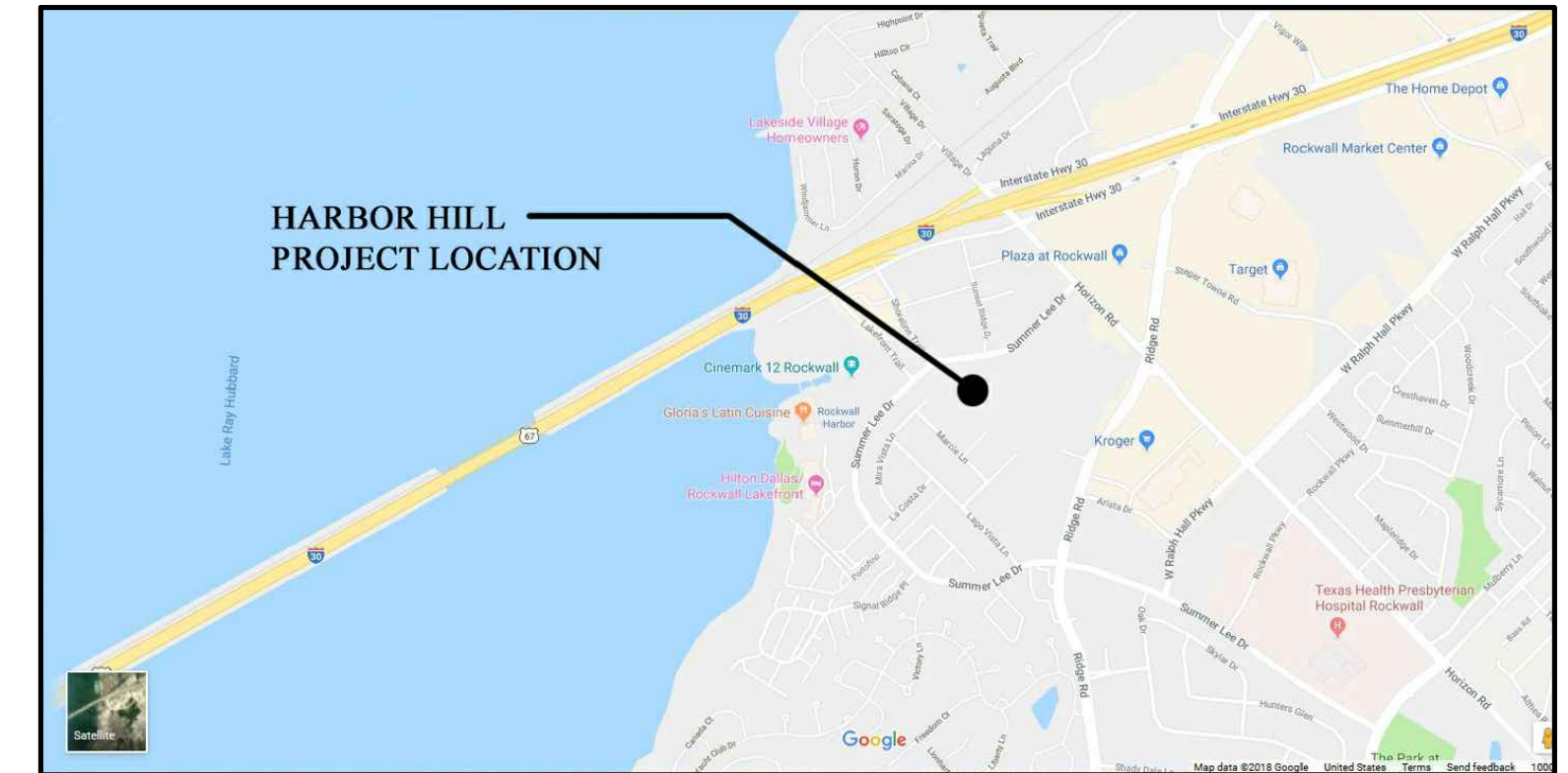
HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75032

Issue Dates:	
HUD INVITATION	03-05-2018
ISSUED FOR PRICING	08-16-2018
ISSUED FOR REVIEW	10-01-2018
HUD INVITATION	10-12-2018
ISSUED FOR DEVELOPMENT REVIEW	11-16-2018

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Sheet
A202
Project No.



TOTAL PARKING COUNT:	
SURFACE GROUND LEVEL:	
STANDARD SPACES	= 15
HANDICAP SPACES	= 1
GARAGE BASEMENT LEVEL (-1):	
STANDARD SPACES	= 189
HANDICAP SPACES	= 4
GARAGE BASEMENT LEVEL (-2):	
STANDARD SPACES	= 204
HANDICAP SPACES	= 4
TOTAL STANDARD PARKING = 408	
TOTAL HANDICAP PARKING = 9	
TOTAL PARKING SPACES = 417	



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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75032
ARCHITECTURAL SITE PLAN
BUILDING LEVEL 1

Issue Dates:	
HUD INVITATION	03-05-2018
ISSUED FOR PRICING	08-16-2018
ISSUED FOR REVIEW	10-01-2018
HUD INVITATION	10-12-2018
ISSUED FOR DEVELOPMENT REVIEW	11-16-2018

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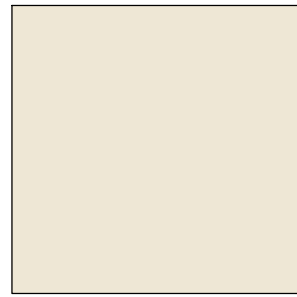
EXTERIOR COLORS



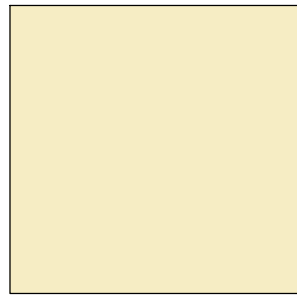
CONCRETE ROOF TILE:
BORAL - TEJAS ESPANA -
BRAZOS BLEND



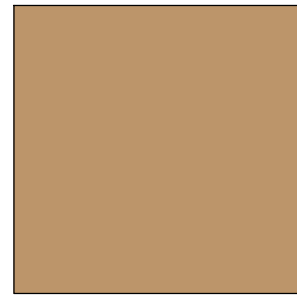
EXTERIOR STONE VENEER:
ELDORADO STONE -
MOUNTAIN LEDGE



STUCCO COLOR #1:
BEHR - EGGSHELL - MS33

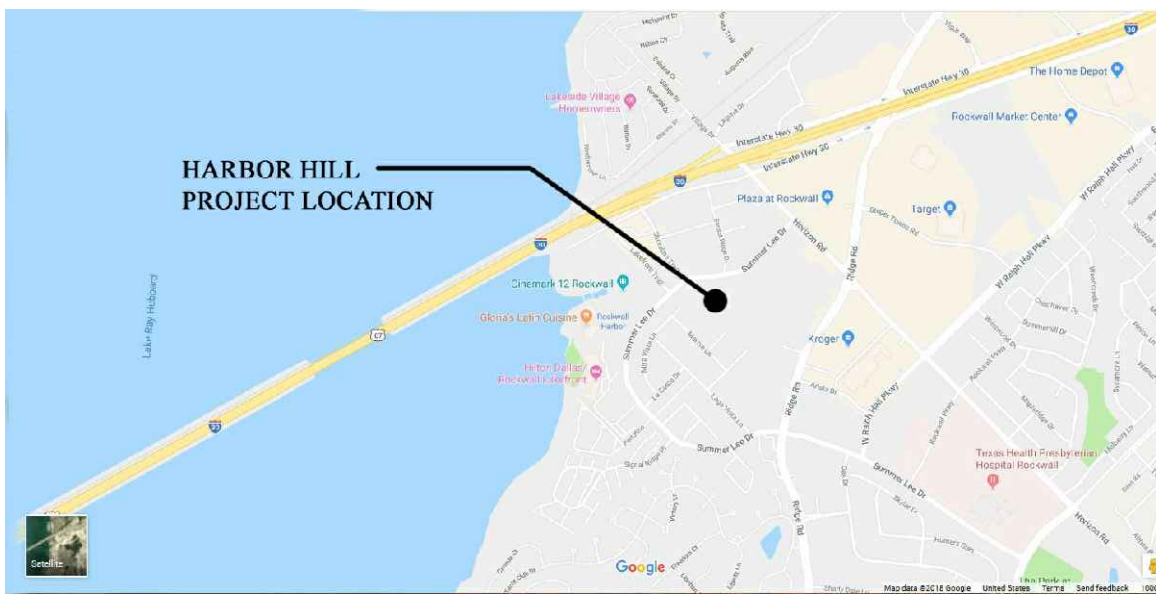


STUCCO COLOR #2 :
BEHR - VANILLA - MS-34



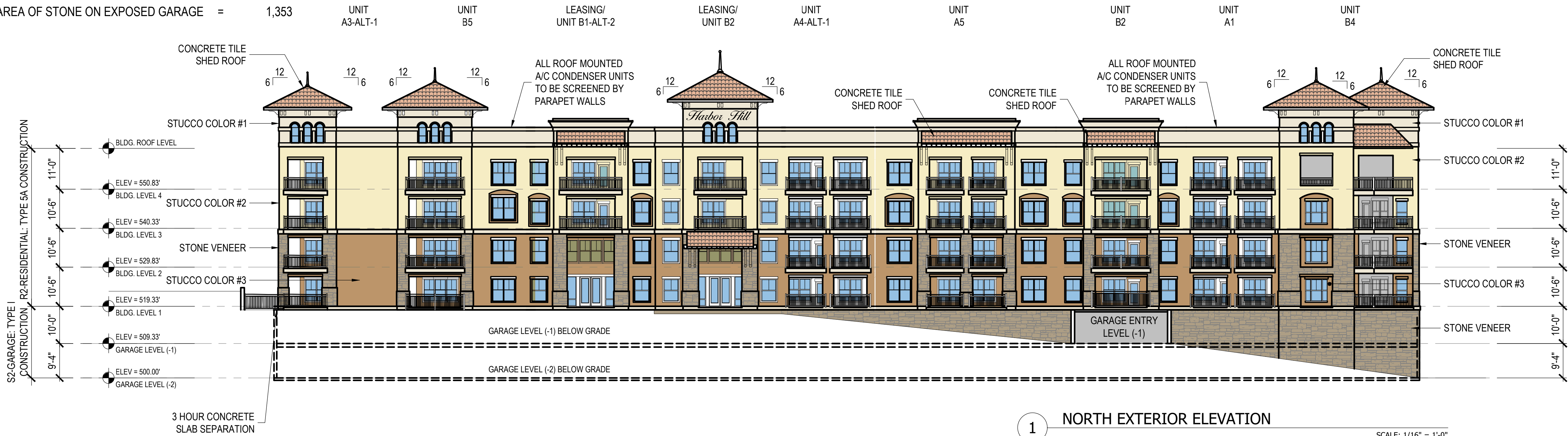
STUCCO COLOR #3:
BEHR - CANYONLAND - MS-37

WEST ELEVATION EXTERIOR MATERIAL FOOTAGES:
TOTAL SURFACE SQUARE FOOTAGE = 15,038
AREA OF STUCCO MATERIAL = 10,957
AREA OF STONE ON BUILDING FASCADE = 1,096
AREA OF STONE ON EXPOSED GARAGE = 2,985



NORTH ELEVATION EXTERIOR MATERIAL FOOTAGES:
TOTAL SURFACE SQUARE FOOTAGE = 13,140
AREA OF STUCCO MATERIAL = 10,585
AREA OF STONE ON BUILDING FASCADE = 1,202
AREA OF STONE ON EXPOSED GARAGE = 1,353

2 WEST EXTERIOR ELEVATION (LAKE SIDE)
SCALE: 1/16" = 1'-0"



1 NORTH EXTERIOR ELEVATION
SCALE: 1/16" = 1'-0"

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1715 RANTON SUITE 270 ARLINGTON, TEXAS 76010 817-400-4005



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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75087
EXTERIOR ELEVATION
NORTH & WEST VIEWS

Issue Dates:
HUD INVITATION 03-05-2018
ISSUED FOR PRICING 08-16-2018
ISSUED FOR REVIEW 10-01-2018
HUD INVITATION 10-12-2018
ISSUED FOR DEVELOPMENT REVIEW 11-16-2018

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Sheet

A501
Project No.

Issued for Development Review: 11-16-18

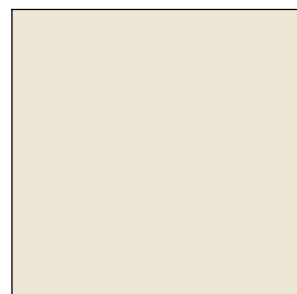
EXTERIOR COLORS



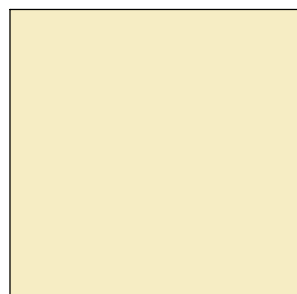
CONCRETE ROOF TILE:
BORAL - TEJAS ESPANA -
BRAZOS BLEND



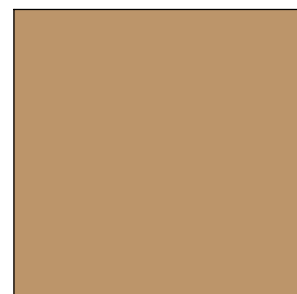
EXTERIOR STONE VENEER:
ELDORADO STONE -
MOUNTAIN LEDGE



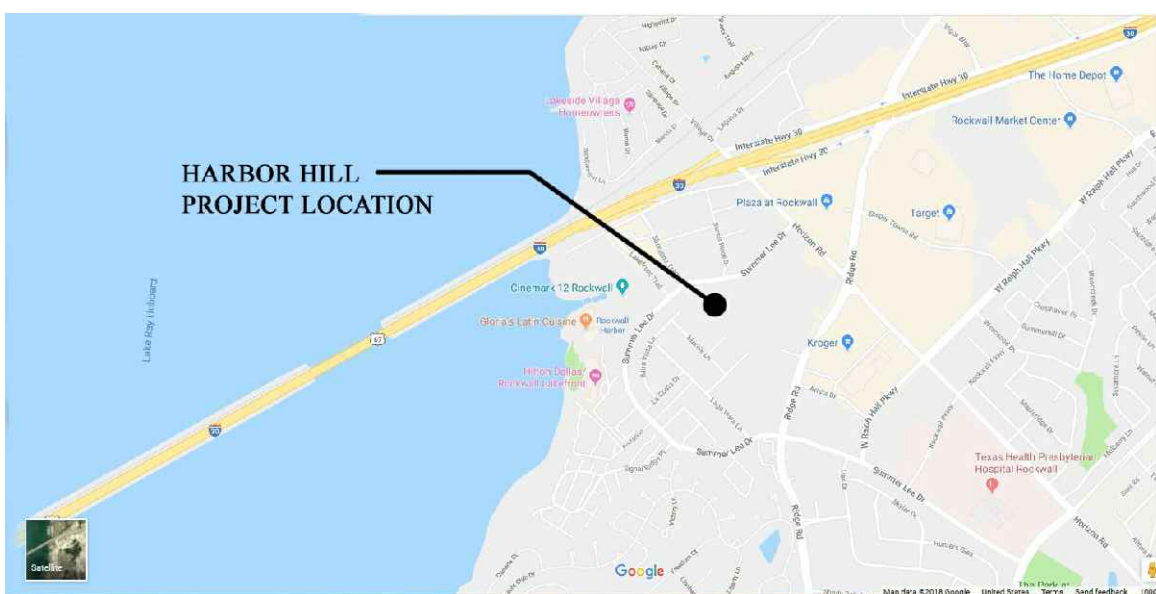
STUCCO COLOR #1:
BEHR - EGGSHELL - MS33



STUCCO COLOR #2 :
BEHR - VANILLA - MS-34

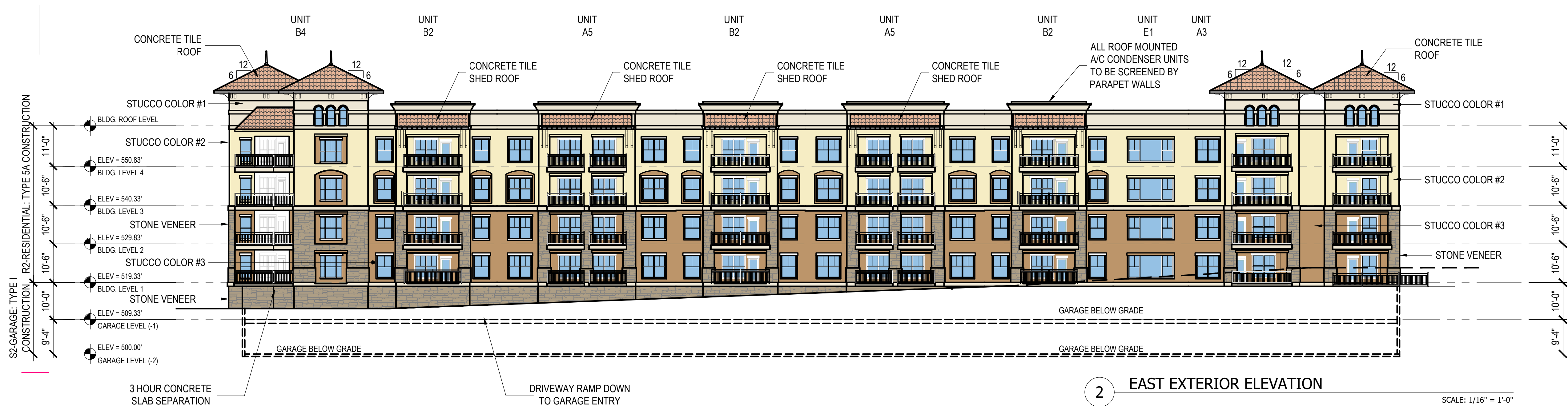


STUCCO COLOR #3:
BEHR - CANYONLAND - MS-37



EAST ELEVATION EXTERIOR MATERIAL FOOTAGES:

TOTAL SURFACE SQUARE FOOTAGE	=	12,387
AREA OF STUCCO MATERIAL	=	10,203
AREA OF STONE ON BUILDING FASCAD	=	1,433
AREA OF STONE ON EXPOSED GARAGE	=	751



SOUTH ELEVATION EXTERIOR MATERIAL FOOTAGES:

TOTAL SURFACE SQUARE FOOTAGE	=	13,589
AREA OF STUCCO MATERIAL	=	10,941
AREA OF STONE ON BUILDING FASCAD	=	800
AREA OF STONE ON EXPOSED GARAGE	=	1,848



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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75032
EXTERIOR ELEVATION
EXTERIOR PERIMETER

Issue Dates:
HUD INVITATION 03-05-2018
ISSUED FOR PRICING 08-16-2018
ISSUED FOR REVIEW 10-01-2018
HUD INVITATION 10-12-2018
ISSUED FOR DEVELOPMENT REVIEW 11-16-2018

Scale:
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Checked by: BM
Sheet

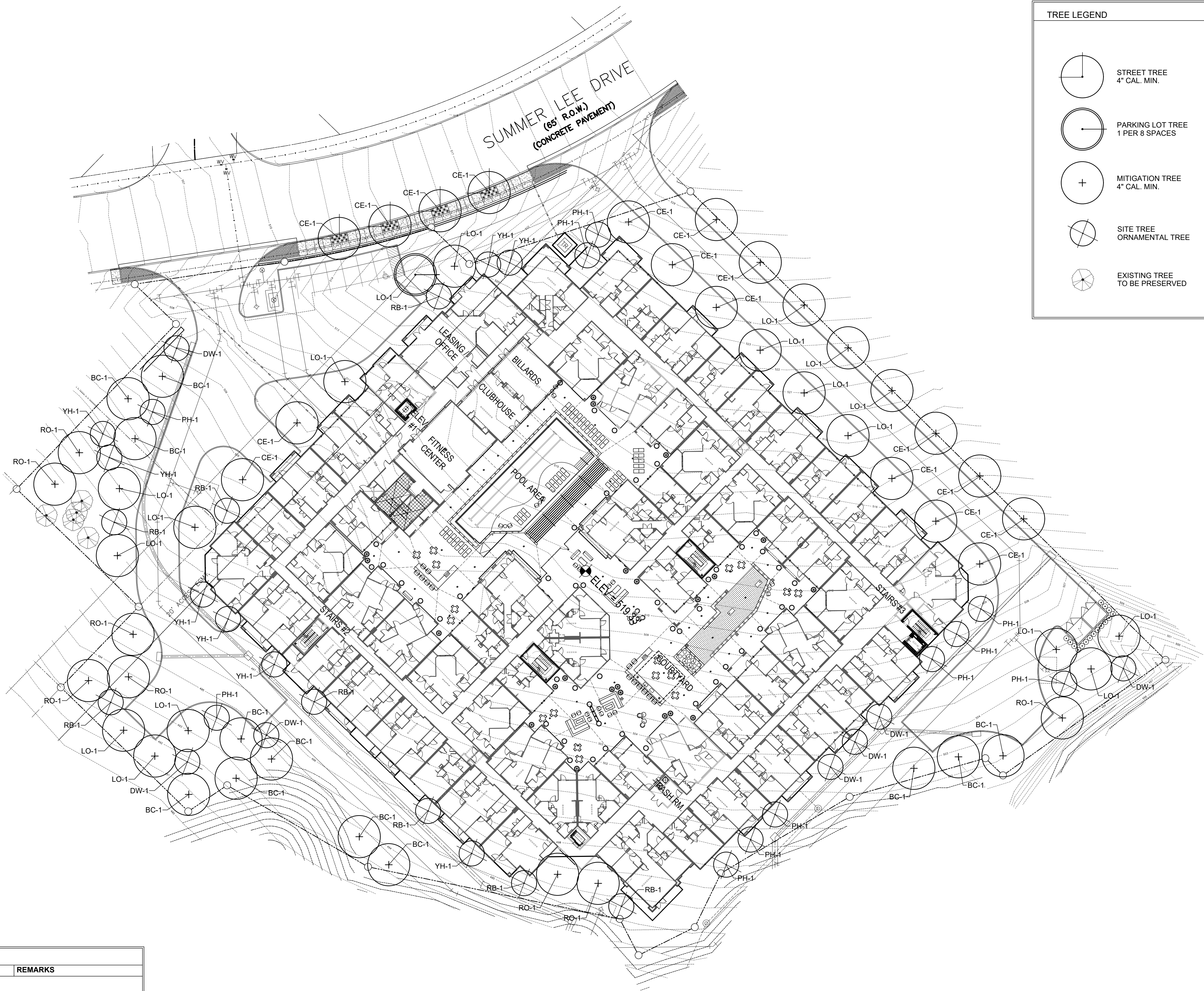
A502

Project No.

Issued for Development Review: 11-16-18

LANDSCAPE REQUIREMENTS	
THIS PLAN MEETS OR EXCEEDS THE FOLLOWING STANDARDS:	
PD-32 HARBOR DISTRICT INTERIOR SUBDISTRICT	
LOT INFO	
TOTAL SITE AREA: 3.97 AC (173,010 S.F.) TOTAL DEVELOPED AREA: 3.97.6 AC (173,010 S.F.) TOTAL IMPERVIOUS SURFACE: 125,236 S.F. TOTAL PERVIOUS SURFACE: 47,774 S.F.	
PARKING LOT LANDSCAPE	
REQUIRED: (1) TREE PER 8 SURFACE PARKING SPOTS 6 SURFACE PARKING / 8 = .75 TREES PROVIDED: (1) TREE	
PARKING GARAGES	
REQUIRED: A MINIMUM OF 25% OF EXPOSED GARAGE FACADE MUST BE SCREENED WITH VINES ON A GREENSCREEN OR CABLE TYPE SYSTEM PROVIDED: 25%+ EXPOSED GARAGE FACADE SCREENED WITH VINES	
STREET FRONTAGE	
REQUIRED: 8' SIDEWALK WITH 5' X 10' TREE LEAVE-OUTS 30' O.C. SUMMER LEE DR. TO USE CEDAR ELM TREES ALONG R.O.W. PROVIDED: (4) TREES IN 5' X 10' TREE LEAVEOUTS	

IRRIGATION NOTES	
THE OWNER SHALL BE RESPONSIBLE FOR THE HEALTH AND VITALITY OF PLANT MATERIAL THROUGH IRRIGATION OF ALL LANDSCAPED AREAS, TURF AND PLANT MATERIALS, AND SHALL: 1. PROVIDE A MOISTURE LEVEL IN AN AMOUNT AND FREQUENCY ADEQUATE TO SUSTAIN GROWTH OF THE PLANT MATERIALS ON A PERMANENT BASIS. 2. BE IN PLACE AND OPERATIONAL AT THE TIME OF THE LANDSCAPE INSPECTION FOR CERTIFICATE OF OCCUPANCY. 3. BE MAINTAINED AND KEPT OPERATIONAL AT ALL TIMES TO PROVIDE FOR EFFICIENT WATER DISTRIBUTION.	
COMPLIANCE WITH STATE LAW. ALL IRRIGATION SYSTEMS SHALL COMPLY WITH THE IRRIGATION CODE OF CHAPTER 10, ARTICLE XVI OF THE CITY OF ROCKWALL CODE OF ORDINANCES, AND ALL APPLICABLE STATE LAWS, AS MAY BE AMENDED.	

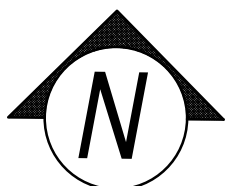
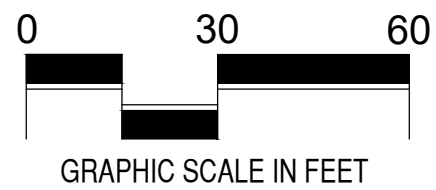


TREE LEGEND	
	STREET TREE 4" CAL. MIN.
	PARKING LOT TREE 1 PER 8 SPACES
	MITIGATION TREE 4" CAL. MIN.
	SITE TREE ORNAMENTAL TREE
	EXISTING TREE TO BE PRESERVED

PLANT LIST					
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREES					
BC	12	Taxodium distichum	Bald Cypress	4"-4.5" Cal.	16-18' Ht.
LO	18	Quercus virginiana	Live Oak	4"-4.5" Cal.	14'-16' Ht.
CE	17	Ulmus crassifolia	Cedar Elm	4"-4.5" Cal.	12-14' Ht.
RO	08	Quercus shumardii	Red Oak	4"-4.5" Cal.	14'-16' Ht.
ORNAMENTAL TREES					
PH	11	Ilex decidua	Possumhaw Holly	8' to 10' Ht., 4' - 5' spread	Multi trunk, 3 - 5 canes, 1" cal., cane min.
DW	07	Chilopsis	Desert Willow	8' to 10' Ht., 4' - 5' spread	Multi trunk, 3 - 5 canes, 1" cal., cane min.
RB	08	Cercis canadensis	Redbud	8' to 10' Ht., 4' - 5' spread	Multi trunk, 3 - 5 canes, 1" cal., cane min.
YH	08	Ilex vomitoria	Yaupon Holly	8' to 10' Ht., 4' - 5' spread	Multi trunk, 3 - 5 canes, 1" cal., cane min.

1 LANDSCAPE PLAN

SCALE: 1" = 30'-0"



ISSUES:	
①	11-15-18 ISSUE FOR PERMIT
REVISIONS:	

CLIENT:	
DBA Architects 111 S. KENTUCKY SUITE 210 MCKINNEY, TX 75069	
CONTACT: REUBEN MENDIOLA (800) 900-4905 reuben@dba-architects.com	

HARBOR HILL

ROCKWALL, TEXAS


landscape architects
MEEKS DESIGN GROUP, INC.
1755 N. COLLINS BLVD., SUITE 300
RICHARDSON, TX 75080
PH (972) 690-7474
F (972) 690-7878



ISSUE FOR PERMIT	
HARBOR HILL LUXURY RESIDENCES	
ROCKWALL, TEXAS	
JOB NUMBER: DBA-1601	
LANDSCAPE PLAN	
LP0.01	

TREE MITIGATION CALCULATIONS	
TREE PRESERVATION	
TOTAL INCHES ON SITE:	499 INCHES
TOTAL INCHES TO BE REMOVED:	462 INCHES
TOTAL INCHES TO BE PRESERVED:	37 INCHES
TOTAL PRESERVATION CREDITS:	0 INCHES
USABLE CREDITS (MAX 20% OF MITIGATION):	(0 INCHES)
TREE MITIGATION	
REQUIRED: 322 INCHES TO BE MITIGATED	
PROVIDED: (55) 4" CANOPY TREES + (34) 3" ORNAMENTAL TREES	
(322 INCHES PROVIDED)	

TREE TAG #	DIAMETER (in)	TREE TYPE	SAVE/REMOVE	INCHES MITGATED	INCHES SAVED
203	5	Elm	S		5
204	8	Elm	S		8
205	6	Elm	S		6
206	6	Elm	S		6
207	12	Cedar	S		12
224	12	Cedar	R	6	
226	18	Pecan	R	18	
227	24	Pecan	R	24	
228	18	Pecan	R	18	
229	12	Cedar	R	6	
232	20	Pecan	R	20	
233	16	Cedar	R	8	
234	20	Cedar	R	10	
235	20	Pecan	R	20	
236	12	Cedar	R	6	
239	16	Oak	R	16	
248	12	Pecan	R	12	
249	12	Cedar	R	6	
251	16	Pecan	R	16	
258	20	Cedar	R	10	
259	18	Cedar	R	9	
260	18	Cedar	R	9	
261	12	Cedar	R	6	
262	24	Cedar	R	12	
263	30	Cedar	R	15	
265	12	Cedar	R	6	
266	12	Cedar	R	6	
267	12	Cedar	R	6	
268	12	Cedar	R	6	
272	14	Cedar	R	7	
273	8	Oak	R	8	
274	10	Oak	R	10	
275	12	Cedar	R	6	
276	6	Oak	R	6	
277	4	Oak	R	4	
278	6	Oak	R	6	
279	4	Oak	R	4	
TOTAL:				322	37



TREE LEGEND

215

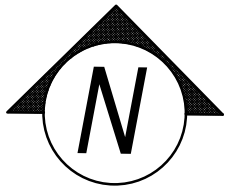
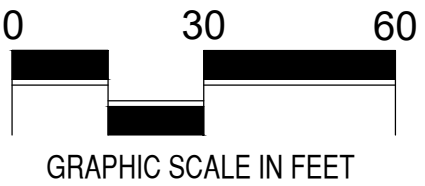
EXISTING TREE
TO BE PRESERVED

215

EXISTING TREE
TO BE REMOVED

215

EXISTING TREE
OUTSIDE OF PROPERTY LINE



ISSUES:

1

11-15-18

ISSUE FOR PERMIT

2

3

4

5

6

7

8

9

10

REVISIONS:

1

2

3

4

5

6

7

8

9

10

CLIENT:

DBA Architects
111 S. KENTUCKY
SUITE 210
MCKINNEY, TX 75069

CONTACT:
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(800) 900-4905
reuben@dba-architects.com

HARBOR HILL

ROCKWALL, TEXAS

mg

landscape architects

MEEKS DESIGN GROUP, INC.
1755 N. COLLINS BLVD., SUITE 300
RICHARDSON, TX 75080
PH (972) 690-7474
F (972) 690-7878

REGISTERED LANDSCAPE ARCHITECT
REUBEN MENDIOLA
2485
STATE OF TEXAS
11-15-18

ISSUE FOR PERMIT

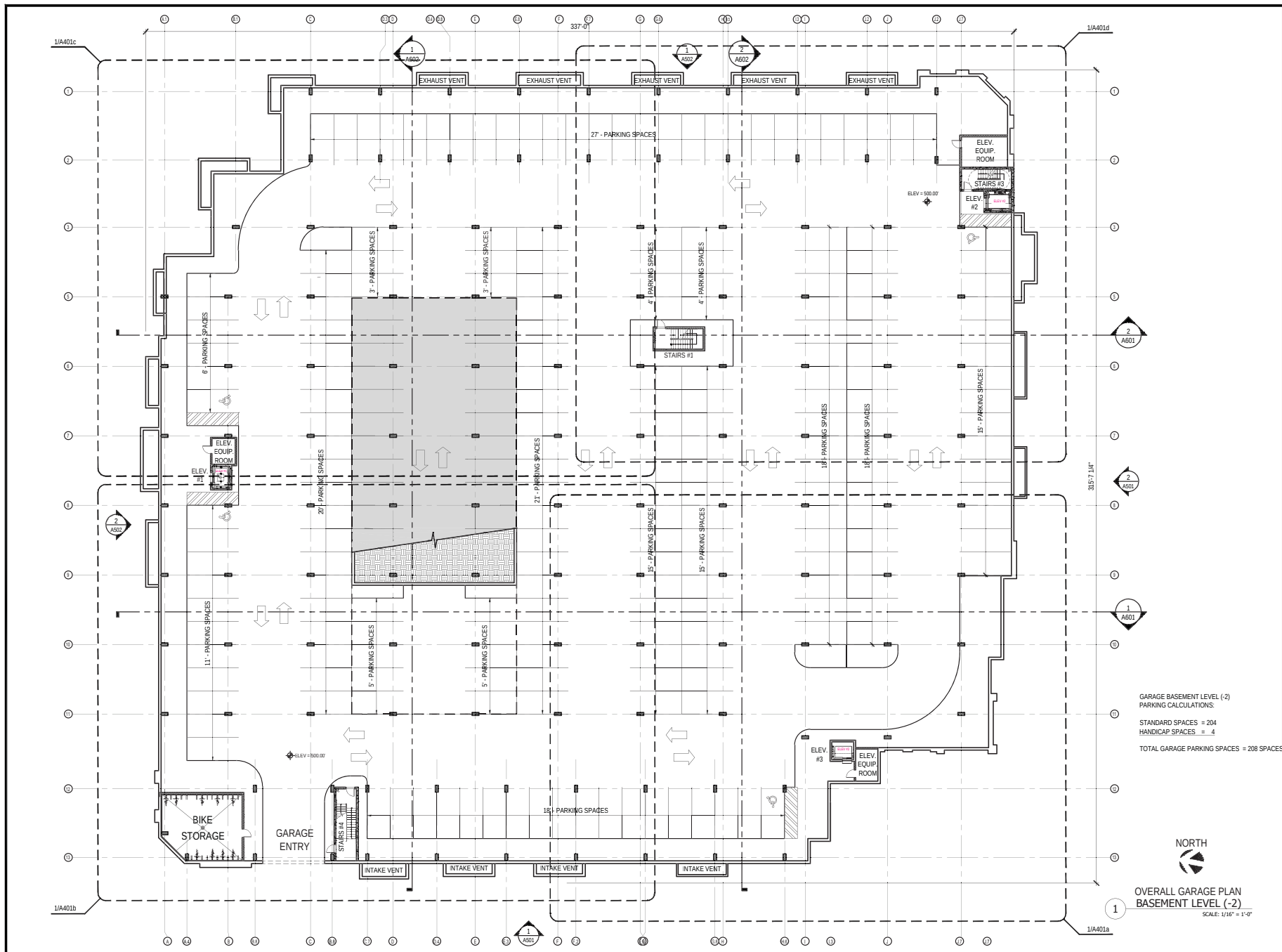
HARBOR HILL LUXURY RESIDENCES

ROCKWALL, TEXAS

JOB NUMBER: DBA-1601

TREE SURVEY/MITIGATION

LP0.02



GARAGE BASEMENT LEVEL (-2)
 PARKING CALCULATIONS:
 STANDARD SPACES = 204
 HANDICAP SPACES = 4
 TOTAL GARAGE PARKING SPACES = 208 SPACES

NORTH
 OVERALL GARAGE PLAN
 BASEMENT LEVEL (-2)
 SCALE: 1/16" = 1'-0"

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HARBOR HILL
 2400 SUMMER LEE DRIVE
 ROCKWALL, TEXAS 75082
OVERALL GARAGE PLAN
BASEMENT LEVEL (-2)

Issue Dates:
HUD INVITATION 01-05-2018
ISSUED FOR PRICING 08-16-2018
ISSUED FOR REVIEW 10-01-2018
HUD INVITATION 10-12-2018
ISSUED FOR DEVELOPMENT REVIEW 11-16-2018

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A401
 Project No.

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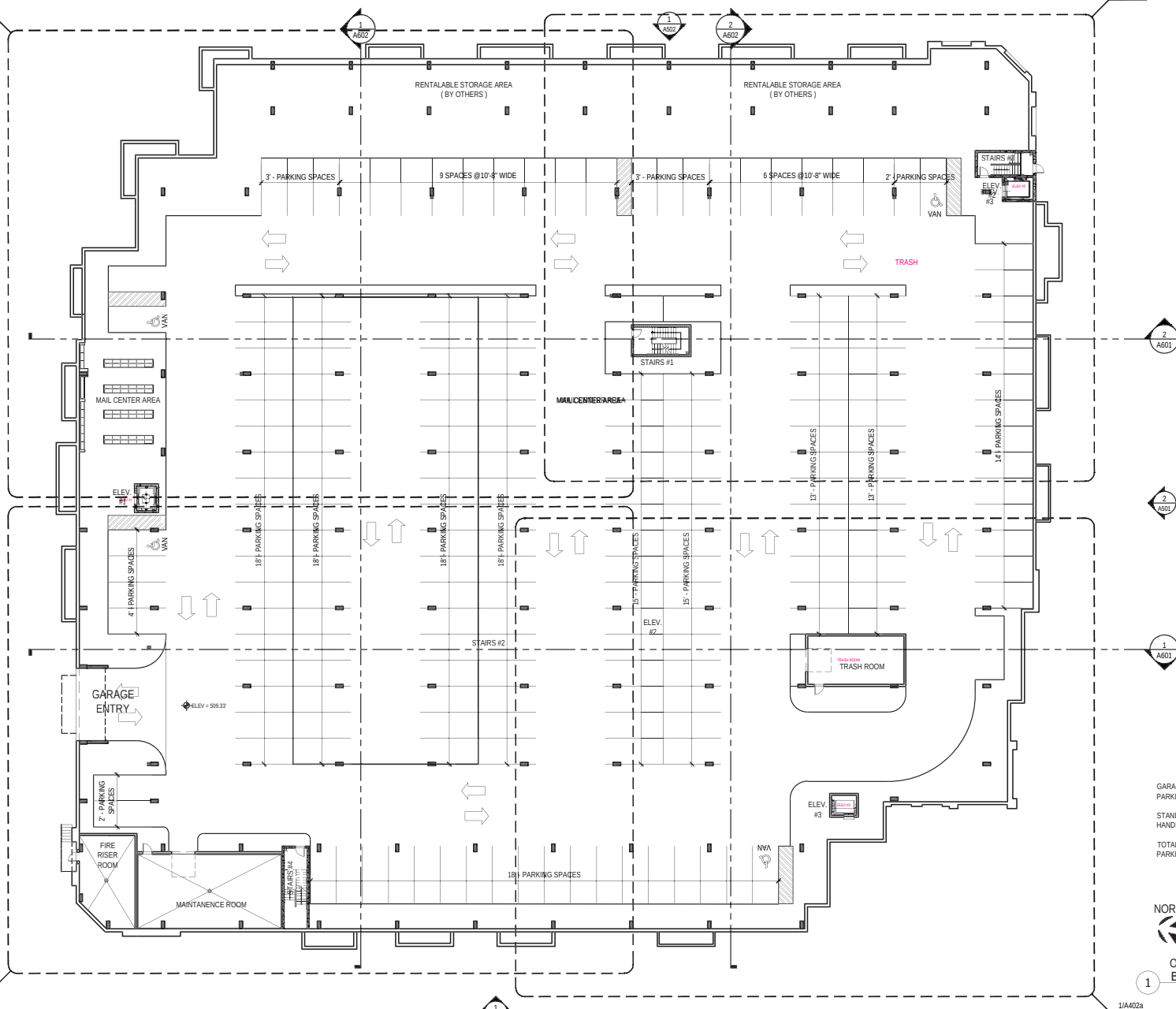
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1/A402d

2
A6022
A6012
A6011
A601

1/A402b

1/A402a

1
A601

GARAGE BASEMENT LEVEL (-1)
PARKING TOTAL:
STANDARD SPACES = 189
HANDICAP SPACES = 4
TOTAL GARAGE
PARKING SPACES = 193 SPACES



OVERALL GARAGE PLAN
BASEMENT LEVEL (-1)

SCALE: 1/32" = 1'-0"

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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75082
OVERALL GARAGE PLAN
BASEMENT LEVEL (-1)

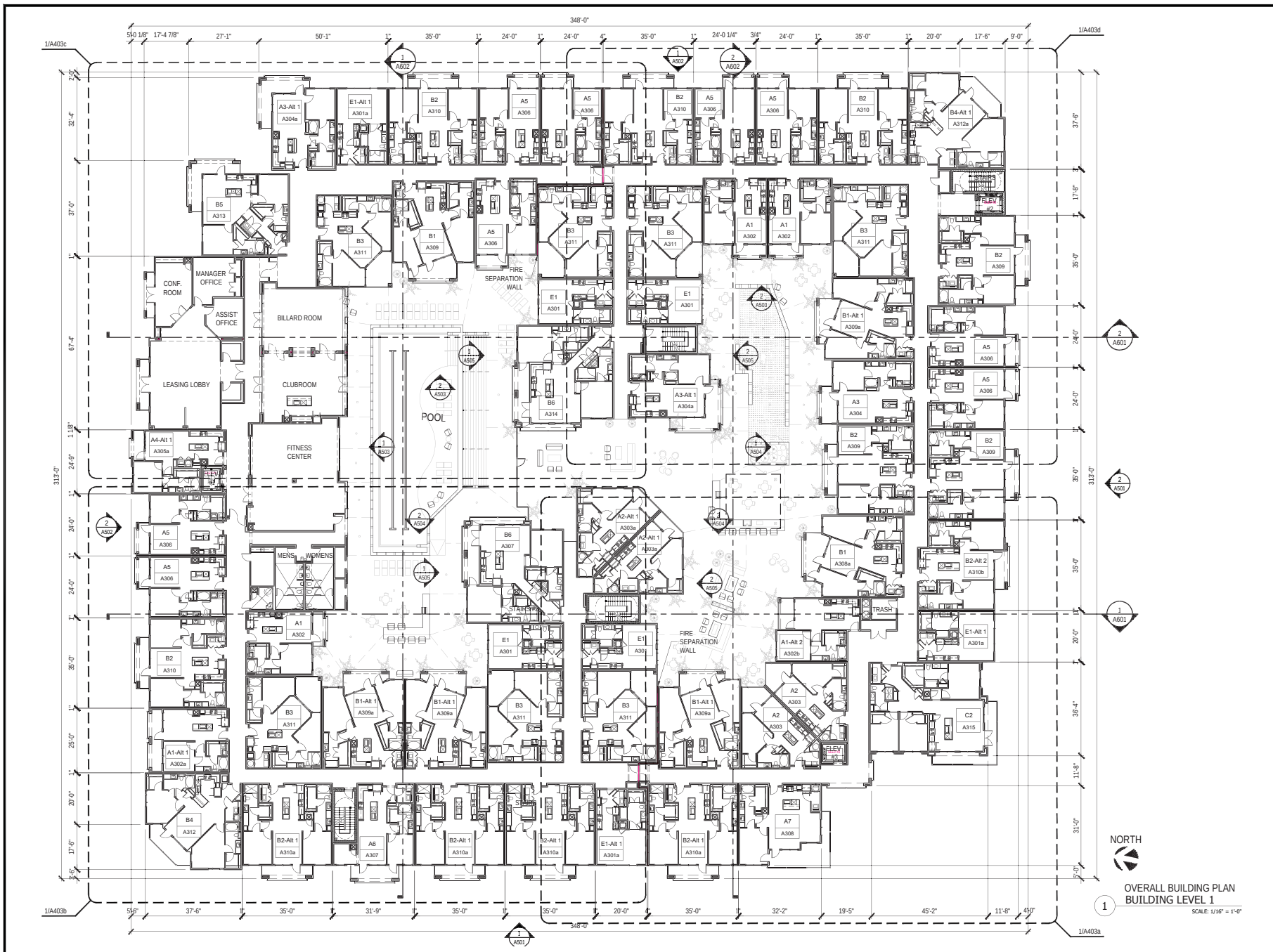
Issue Dates:
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03-05-2018
ISSUED FOR PRICING
08-16-2018
ISSUED FOR REVIEW
10-01-2018
HUD INVITATION
10-12-2018
ISSUED FOR
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Project No.

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HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75082
OVERALL BUILDING PLAN
BUILDING LEVEL 1

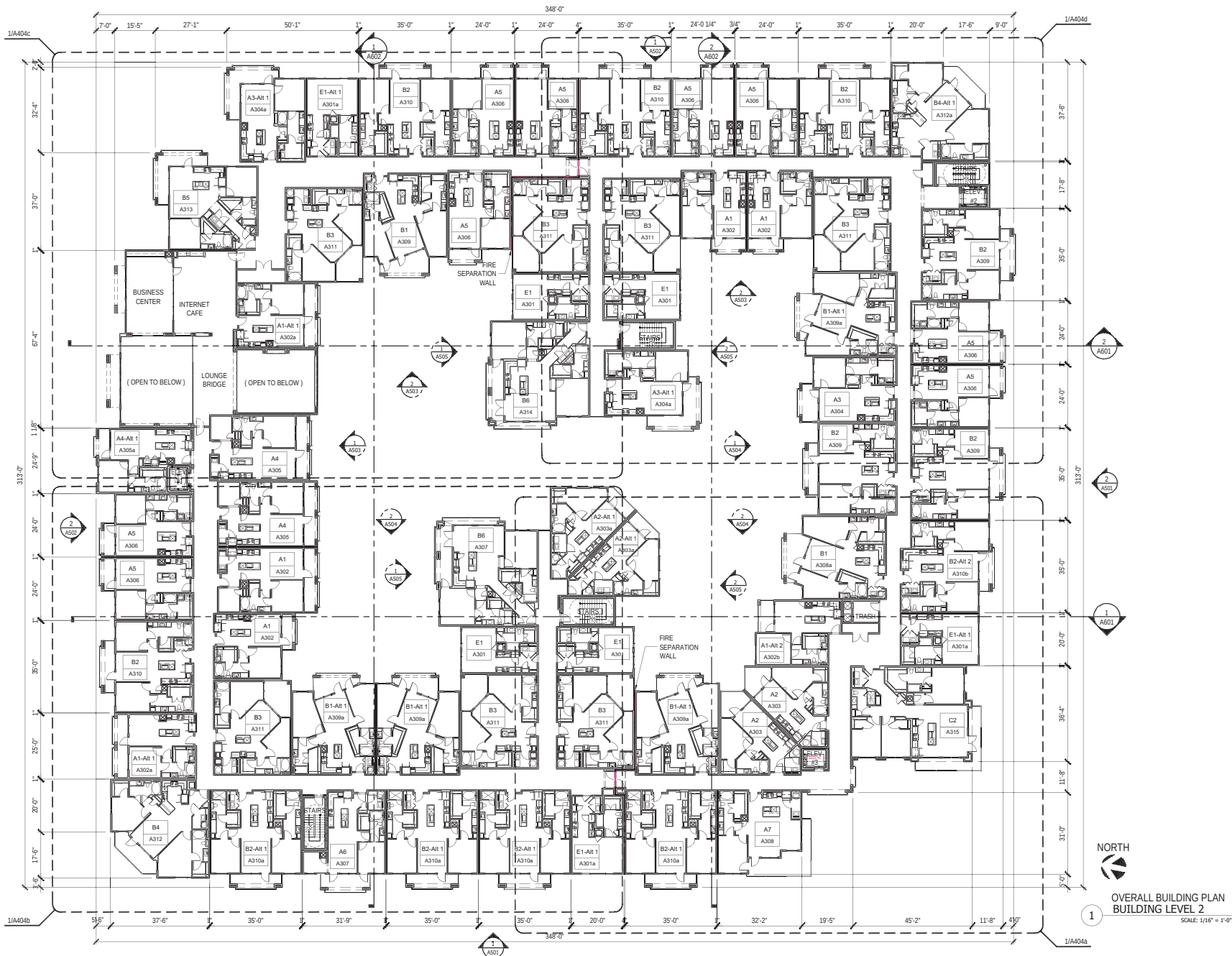
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ISSUED FOR REVIEW	10-01-2018
HUD INVITATION	10-12-2018
ISSUED FOR DEVELOPMENT REVIEW	11-16-2018

Scale:
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Sheet

A403

Project No.

Issued for Development Review: 11-16-18



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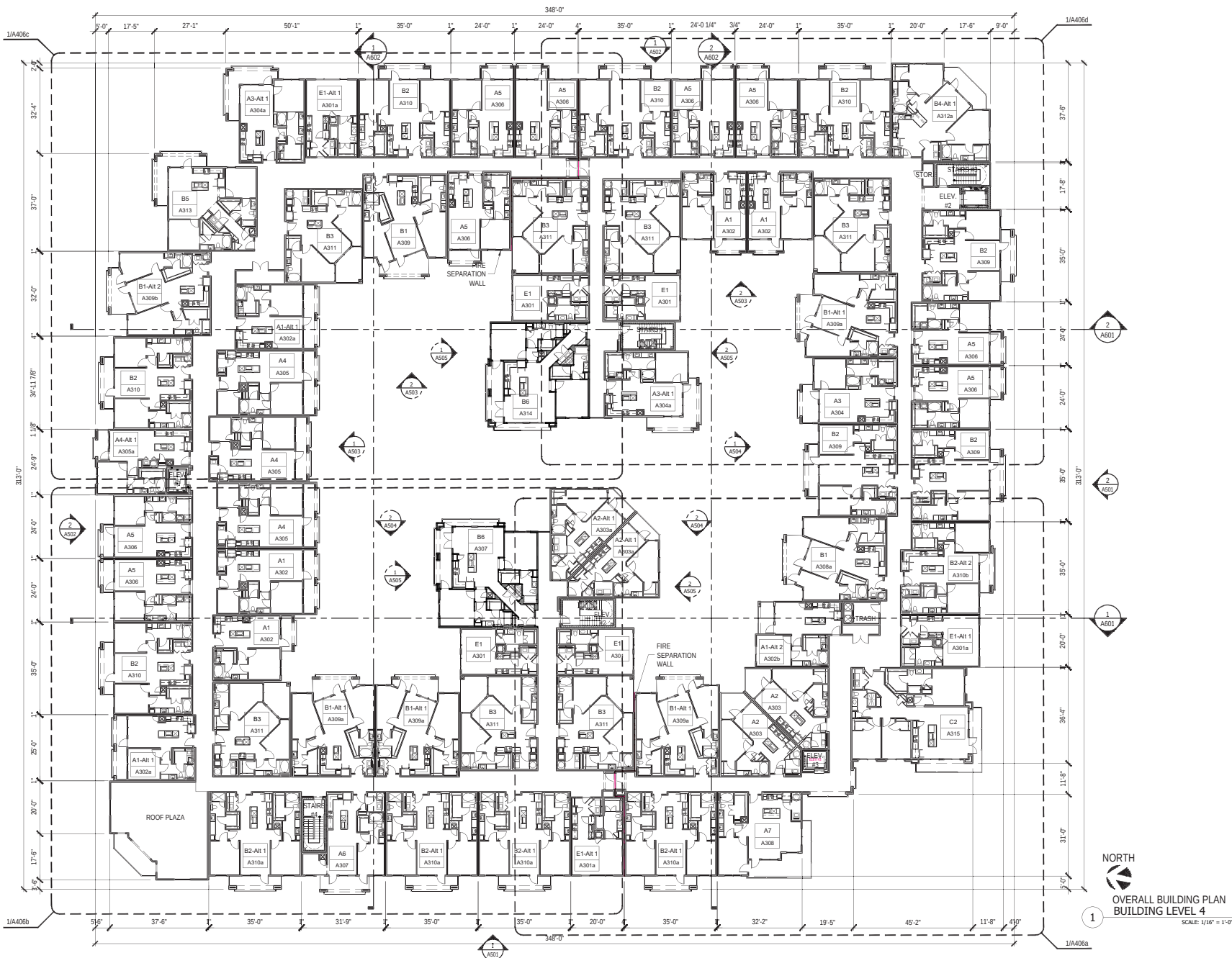
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ROCKWALL, TEXAS 75082
OVERALL BUILDING PLAN
BUILDING LEVEL 2

Issue Dates:
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ISSUED FOR REVIEW
10-01-2018
HUD INVITATION
10-12-2018
ISSUED FOR
DEVELOPMENT REVIEW
11-16-2018

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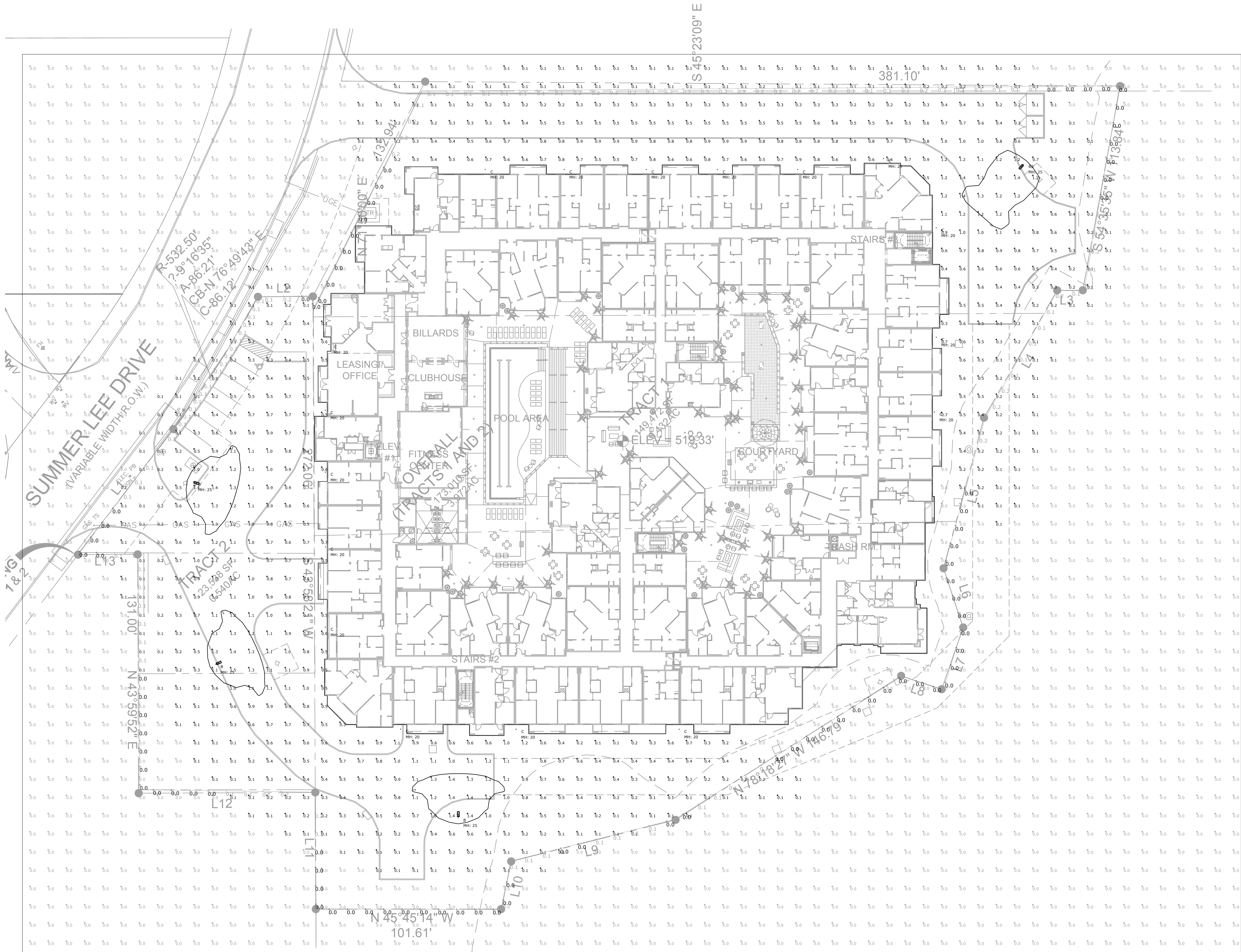
HARBOR HILL
2400 SUMMER LEE DRIVE
ROCKWALL, TEXAS 75082
OVERALL BUILDING PLAN
BUILDING LEVEL 4

Issue Dates:	
HUD INVITATION	01-05-2018
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ISSUED FOR REVIEW	10-01-2018
HUD INVITATION	10-12-2018
ISSUED FOR DEVELOPMENT REVIEW	11-16-2018

Scale:
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Checked by: BM
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A406
Project No.

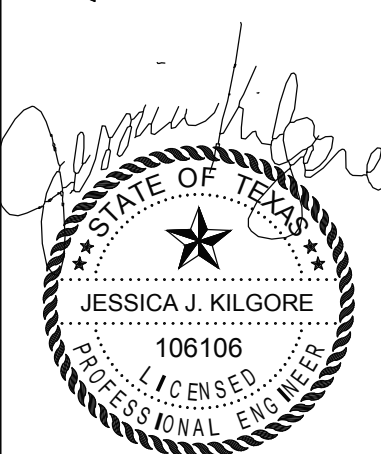
Issued for Development Review: 11-16-18



Luminaire Schedule						
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Ballast Factor
	B2	1	LITHONIA_DSX1 LED P1 40K TFTM MVOLT MOUNT HS FINISH	5436	54	1.000
	B	3	LITHONIA_DSX1 LED P1 40K T3M MVOLT MOUNT HS FINISH	5481	54	1.000
	C	17	SPRING CITY_ALMLCH LE040 VOLT X2 40 CR3 FINISH	3986	40	1.000

MEP GENERAL NOTES

- ALL CONSTRUCTION TO CONFORM TO INTERNATIONAL, STATE AND LOCAL CODES AND ORDINANCES CURRENTLY ADOPTED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- CONTRACTORS TO CONFIRM ALL SPECIFICATIONS HEREIN WITH ACTUAL EQUIPMENT IN FIELD PRIOR TO INSTALLATION.
- REVIEW PLAN SHEET "MEP" - MEP NOTES PRIOR TO PERMITTING, BIDDING AND CONSTRUCTION.
- THE INTENT OF THE DRAWINGS HEREIN IS TO REPRESENT A COMPLETE WORKING SYSTEM. ALL BIDDERS SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL COMPONENTS NECESSARY TO PROVIDE A COMPLETE WORKING SYSTEM WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
- SEE CIVIL AND ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ALL FIXTURES AND STRUCTURES.
- SEE ARCHITECTURAL FINISH OUT SCHEDULES FOR SPECIFIC MODELS, COLORS AND DESIGN NOT DEFINED HEREIN.
- WITH OWNER APPROVAL, CONTRACTOR MAY CHANGE SPECIFIED EQUIPMENT BUT SHALL KEEP MINIMUM UNIT SPECIFICATIONS.
- CONTRACTOR TO CONTACT AME ENGINEERING, INC. AT 817-653-4122 PRIOR TO ANY SIGNIFICANT DESIGN REVISIONS.
- DETAILS LABELED "TYPICAL" ON THE DRAWINGS SHALL APPLY TO ALL SITUATION OCCURRING ON THE PROJECT THAT ARE OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER OF RECORD.



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CONTACT COMPANY	DBA ARCHITECTS
CONTACT PHONE	888-900-4905

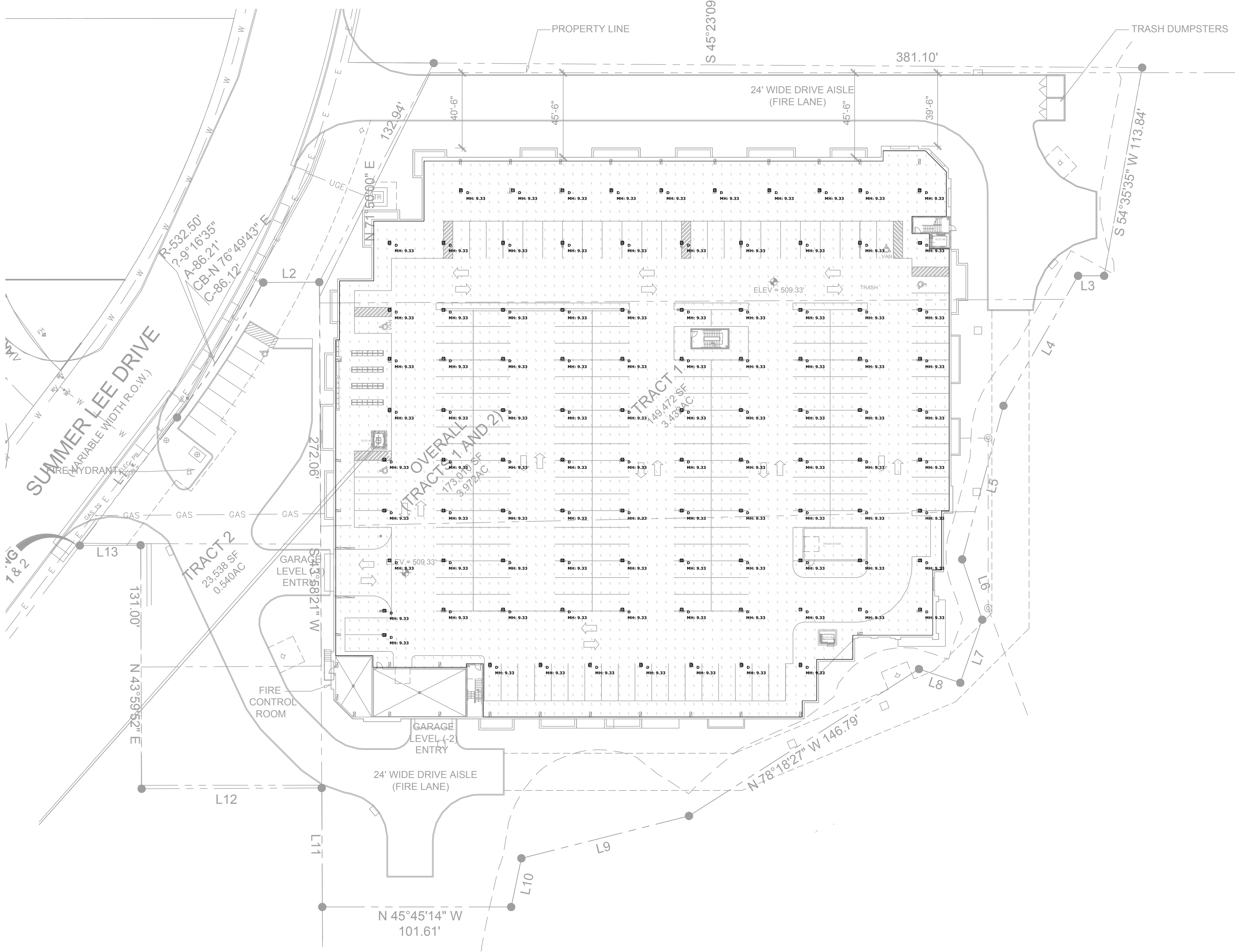
ISSUES

SHEET REVISIONS

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IECC	2014
NEC	2015
SCALE	1"=30'

SITE
PHOTOMETRIC
LIGHTING PLAN

	E1.1
PROJECT	1400



Luminaire Schedule										
Symbol	Type	Qty	Manufacturer / Catalog Number			Total Lumen Output	Total Input Watts	Ballast Factor	Light Lost Factor	User Defined Factor
•	D	98	XELEUM_XB PG 14 40W 40K U Y 65 MOUNT			5385	39.9	1.000	0.855	1.000

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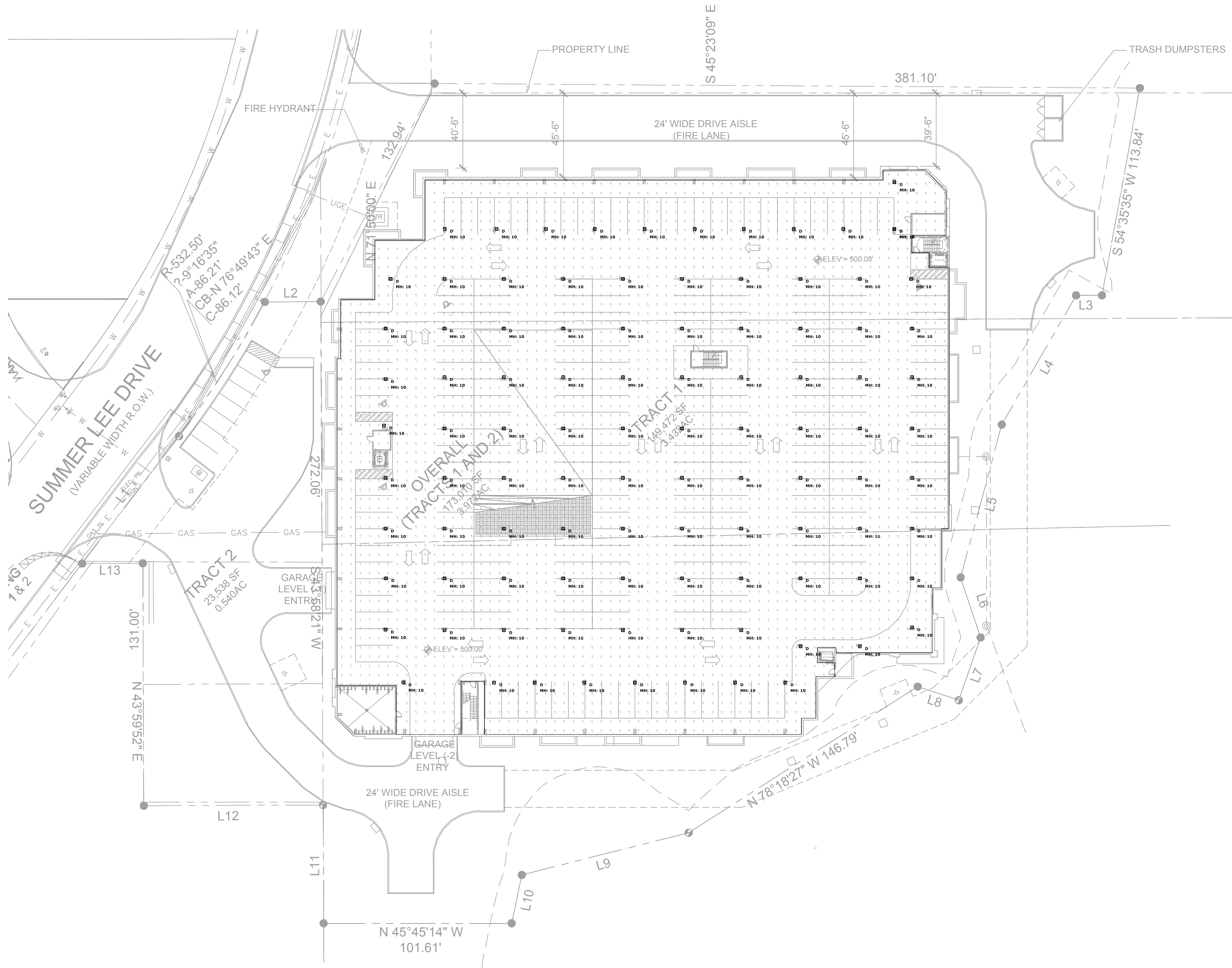
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CONTACT COMPANY	DBA ARCHITECTS
CONTACT PHONE	888-900-4905

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NEC	2015
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LEVEL: -1 GARAGE
PHOTOMETRIC
LIGHTING PLAN

	E1.2
PROJECT	1400



Luminaire Schedule					Total Lumen Output	Total Input Watts	Ballast Factor	Light Lost Factor	User Defined Factor
Symbol	Type	Qty	Manufacturer / Catalog Number						
	D	100	XELEUM_XB PG 14 40W 40K U Y 65 MOUNT		5385	39.9	1.000	0.855	1.000

- MEP GENERAL NOTES
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NEC	2015
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LEVEL: -2 GARAGE
PHOTOMETRIC
LIGHTING PLAN

	E1.3
PROJECT	1400

LED bollards - fully shielded with directed light

Post construction: One piece extruded aluminum internally welded to a die-cast plate cover. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Lamp enclosure: One piece die-cast aluminum housing attached to post/pole by two (2) internal, captive stainless steel screws threaded into stainless steel inserts. Polycarbonate diffuser with optical texture attached to housing with captive stainless steel screw threaded into stainless steel insert. Fully gasketed using a one piece molded high temperature silicone gasket.

Electrical: 7.8W LED luminaire, 10 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, dimming not available. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with an >80 CRI. Available in 4000K (>80 CRI); add suffix K4 to order.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

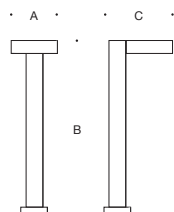
Anchor base: Heavy cast aluminum, slotted for precise alignment. Mounts to BEGA 79817 anchorage kit. Bollards are secured to the post with one (1) stainless steel set screw.

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order

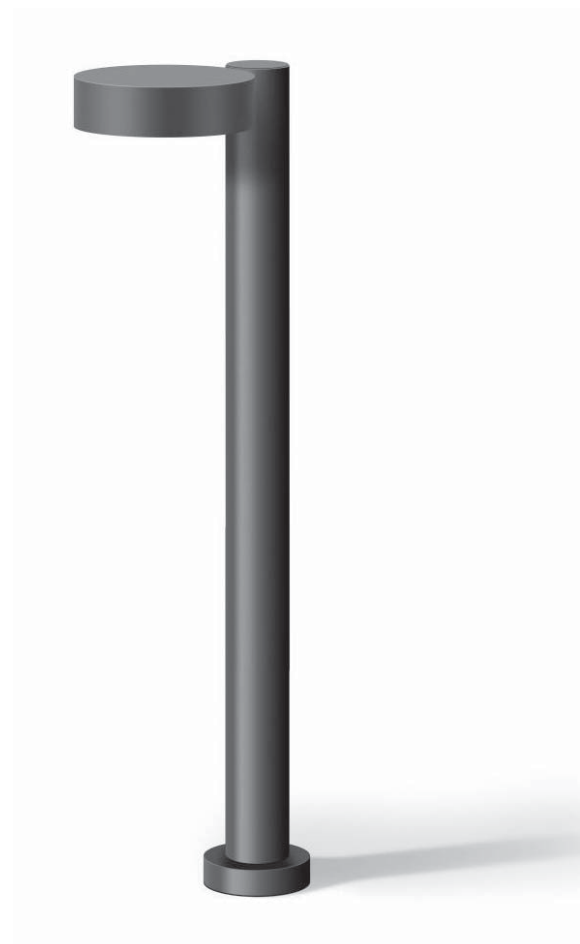
CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 10.1 lbs.

Type:
BEGA Product:
Project:
Voltage:
Color:
Options:
Modified:



	Lamp	A	B	C	Anchorage
77 221	7.8W LED	7 1/2	39 1/2	11	79817





D-Series Size 1

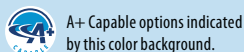
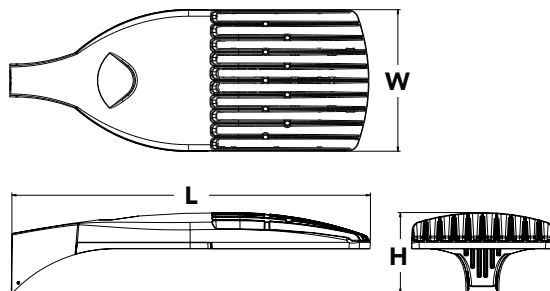
LED Area Luminaire

d#series



Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Catalog

Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA DDBXD

DSX1LED									
Series	LEDs	Color temperature		Distribution		Voltage	Mounting		
DSX1 LED	Forward optics	30K	3000 K	T1S	Type I short	T5S	Type V short	MVOLT ^{4,5} 120 ⁶ 208 ^{5,6} 240 ^{5,6} 277 ⁶ 347 ^{5,6,7} 480 ^{5,6,7}	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁸ RPUMBA Round pole universal mounting adaptor ⁸ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁹
	P1 P4 P7	40K	4000 K	T2S	Type II short	T5M	Type V medium		
	P2 P5 P8	50K	5000 K	T2M	Type II medium	T5W	Type V wide		
	P3 P6 P9	AMBPC	Amber phosphor converted ²	T3S	Type III short	BLC	Backlight control ^{2,3}		
	Rotated optics			T3M	Type III medium				
	P10 ¹ P12 ¹			T4M	Type IV medium	LCCO	Left corner cutoff ^{2,3}		
	P11 ¹ P13 ¹			TFTM	Forward throw medium	RCCO	Right corner cutoff ^{2,3}		
				T5VS	Type V very short				

Control options				Other options		Finish <i>(required)</i>		
Shipped installed				Shipped installed		DDBXD Dark bronze		
NLTAIR2	nLight AIR generation 2 enabled ¹⁰			PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{5,15,16}	HS	House-side shield ²¹	DBLXD Black
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹¹			BL30	Bi-level switched dimming, 30% ^{5,14,18}	SF	Single fuse (120, 277, 347V) ⁶	DNAXD Natural aluminum
PER5	Five-wire receptacle only (controls ordered separate) ^{11,12}			BL50	Bi-level switched dimming, 50% ^{5,14,18}	DF	Double fuse (208, 240, 480V) ⁶	DWHXD White
PER7	Seven-wire receptacle only (controls ordered separate) ^{11,12}			PNMTDD3	Part night, dim till dawn ^{5,19}	L90	Left rotated optics ¹	DDBTXD Textured dark bronze
DMG	0-10V dimming extend out back of honsing for external control (leads exit fixture)			PNMT5D3	Part night, dim 5 hrs ^{5,19}	R90	Right rotated optics ¹	DBLBXD Textured black
DS	Dual switching ^{13,14}			PNMT6D3	Part night, dim 6 hrs ^{5,19}	Shipped separately		DNATXD Textured natural aluminum
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{5,15,16}			PNMT7D3	Part night, dim 7 hrs ^{5,19}	BS	Bird spikes ²²	DWHGXD Textured white
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{5,15,16}			FAO	Field adjustable output ²⁰	EGS	External glare shield ²²	
PIRHN	Network, Bi-Level motion/ambient sensor ¹⁷							
PIR1FC3V	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,15,16}							



Ordering Information

Accessories

Ordered and shipped separately.

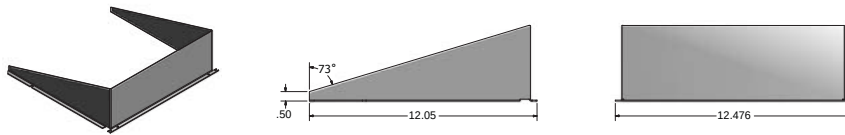
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²³
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²³
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²³
DSHORT SBK U	Shorting cap ²³
DSX1HS 30C U	House-side shield for 30 LED unit ²¹
DSX1HS 40C U	House-side shield for 40 LED unit ²¹
DSX1HS 60C U	House-side shield for 60 LED unit ²¹
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁴
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁴

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

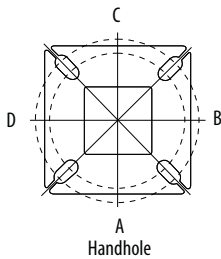
- 1 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- 2 AMBPC is not available with BLC, LCCO, RCCO or P4, P7, P8, P9 or P13.
- 3 Not available with HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
- 6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 7 Not available in P1 or P10. Not available with BL30, BL50 or PNMT options.
- 8 Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- 9 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- 10 Must be ordered with PIRHN.
- 11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- 12 If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming. Shorting cap included.
- 13 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- 14 Requires (2) separately switched circuits.
- 15 Reference Motion Sensor table on page 3.
- 16 Reference PER table on page 3 to see functionality.
- 17 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- 18 Not available with 347V, 480V, PNMT, DS. For PER5 or PER7, see PER Table on page 3. Requires isolated neutral.
- 19 Not available with 347V, 480V, DS, BL30, BL50. For PER5 or PER7, see PER Table on page 3. Separate Dusk to Dawn required.
- 20 Not available with other dimming controls options.
- 21 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 22 Must be ordered with fixture for factory pre-drilling.
- 23 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- 24 For retrofit use only.

External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter**

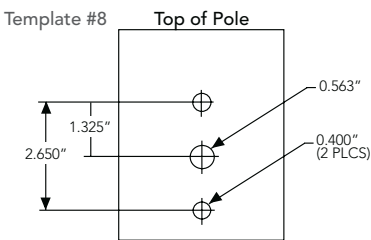
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Pole drilling nomenclature: # of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N

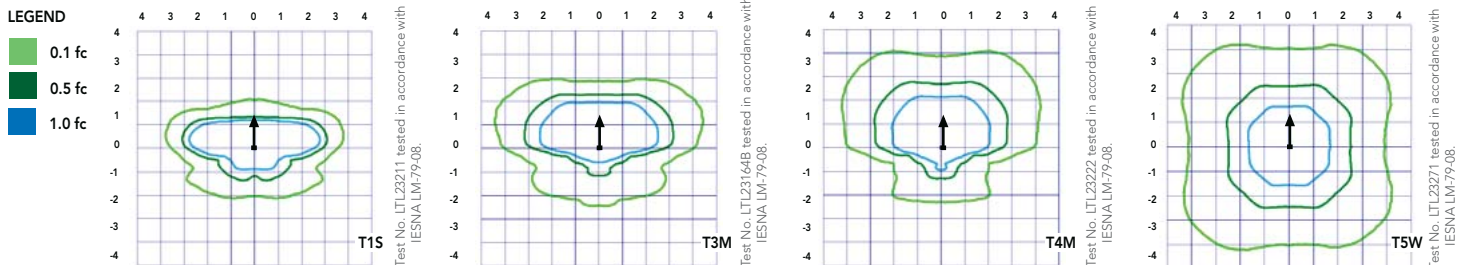
*3 fixtures @120 require round pole top/tenon.



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').



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DSX1-LED
Rev. 07/25/18
Page 2 of 7

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with Inline Dusk to Dawn or timer.

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wires Capped inside fixture	⚠	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⊘	⚠	Wires Capped inside fixture	✓	Wires Capped inside fixture	Wires Capped inside fixture

✓ Recommended

⊘ Will not work

⚠ Alternate

*Future-proof means: Ability to change controls in the future.



Performance Data

Lumen Output

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Forward Optics																								
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130	3,640	1	0	1	70
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130	3,813	1	0	1	73
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131	3,689	1	0	1	71
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127	3,770	1	0	1	73
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131	3,752	1	0	1	72
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128	3,758	1	0	1	72
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131	3,701	1	0	1	71
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136	3,928	2	0	0	76
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136	3,881	2	0	0	75
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136	3,930	2	0	1	76
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135	3,820	3	0	1	73
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107					
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80					
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80					
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129	4,561	1	0	1	67
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128	4,777	1	0	1	70
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129	4,622	1	0	2	68
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125	4,724	1	0	1	69
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129	4,701	1	0	2	69
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126	4,709	1	0	2	69
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129	4,638	1	0	2	68
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134	4,922	2	0	0	72
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134	4,863	2	0	0	72
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134	4,924	3	0	1	72
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133	4,787	3	0	1	70
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106					
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79					
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79					
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125					
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125					
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125					
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121					
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125					
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122					
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125					
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130					
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130					
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130					
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129					
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102					
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76					
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76					
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117					
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117					
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118					
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114					
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117					
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115					
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117					
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122					
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122					
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122					
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121					
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96					
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72					
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72					
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116					
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116					
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117					
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113					
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116					
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114					
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116					
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121					
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121					
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121					
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120					
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95					
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71					
					8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71					

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lu-mens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118					
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118					
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119					
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115					
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118					
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116					
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118					
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123					
				TSS	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123					
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123					
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122					
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97					
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72					
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72					
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115					
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114					
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115					
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111					
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115					
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112					
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115					
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119					
				TSS	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119					
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119					
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118					
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94					
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70					
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70					
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119					
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118					
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119					
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115					
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119					
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116					
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119					
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123					
				TSS	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123					
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123					
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122					
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97					
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72					
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72					
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116					
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116					
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116					
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113					
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116					
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113					
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116					
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121					
				TSS	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121					
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120					
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120					
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95					
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71					
					15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71					

Performance Data

Lumen Output

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Rotated Optics																								
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134	7,167	2	0	2	72
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133	7,507	2	0	2	76
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136	7,263	2	0	2	73
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131	7,424	2	0	2	75
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136	7,387	2	0	2	75
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133	7,400	2	0	2	75
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137	7,288	1	0	2	74
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138	7,734	3	0	1	78
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136	7,641	3	0	0	77
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136	7,737	3	0	2	78
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135	7,522	3	0	2	76
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112					
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80					
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80					
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132	8,952	2	0	2	68
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131	9,377	2	0	2	72
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133	9,072	2	0	2	69
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129	9,273	2	0	2	71
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133	9,227	2	0	2	70
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131	9,243	2	0	2	71
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134	9,103	2	0	2	69
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135	9,661	3	0	1	74
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134	9,544	3	0	1	73
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134	9,665	3	0	2	74
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133	9,395	4	0	2	72
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110					
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79					
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79					
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121					
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120					
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123					
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119					
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123					
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120					
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123					
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124					
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123					
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123					
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122					
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101					
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72					
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72					
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120					
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119					
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121					
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117					
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121					
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119					
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122					
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123					
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122					
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122					
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121					
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100					
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72					
					15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72					

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1

electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

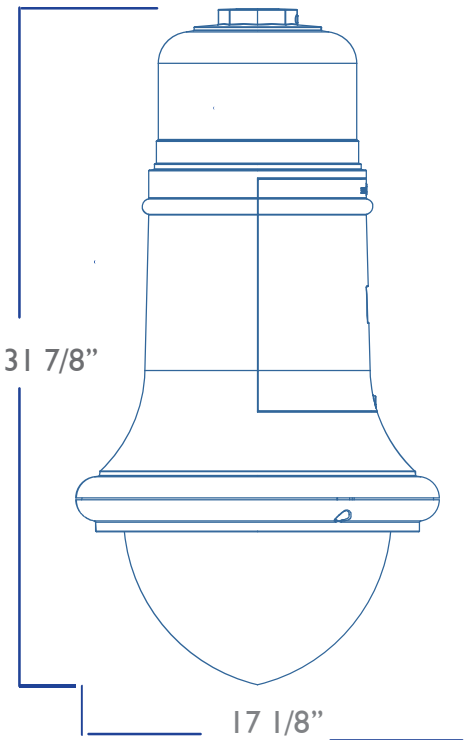
WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

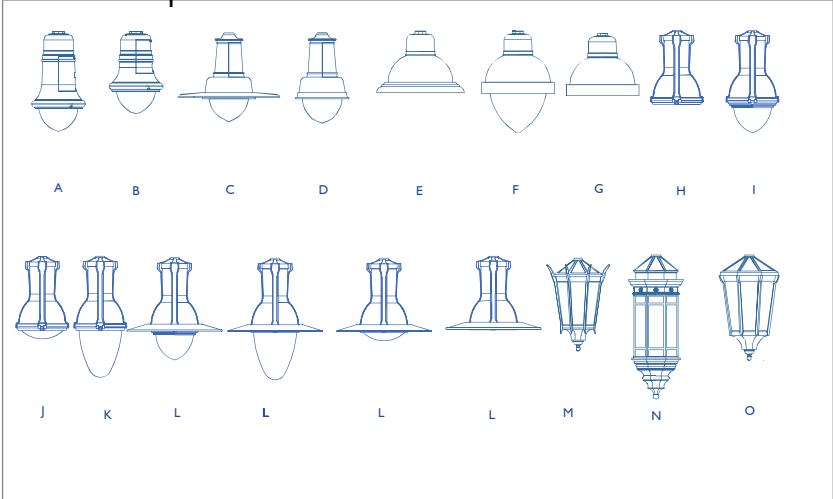
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Spring City Pendant LED



Pendant Options



For additional size information
please visit www.springcity.com

ORDERING INFORMATION

BUILDING A PART NUMBER

Style	Lamping	Voltage	Number of Boards	Color Temperature	Optics	Globe	Finish
ALMBCC	LE100	EV1	X2	45	CR3	GS10	CU

ALMBCC	=	A	Bishop's Crook
ALMIVY	=	B	IVY
ALMLCH	=	C	Lechmere
ALMMNC	=	D	Manchester

LE020	=	20 W
LE030	=	30 W
LE040	=	40 W
LE060	=	60 W
LE065	=	65 W
LE080	=	80 W
LE095	=	95 W
LE100	=	100 W
LE120	=	120 W
LE125	=	125 W
LE155	=	155 W
LE185	=	185 W
LE200	=	200 W
*custom available		

120 V	=	EV1
208 V	=	EV8
240 V	=	EV2
277 V	=	EV7
480 V	=	EV4

22	=	2200 K
30	=	3000 K
40	=	4000 K
45	=	4500 K
60	=	6000 K

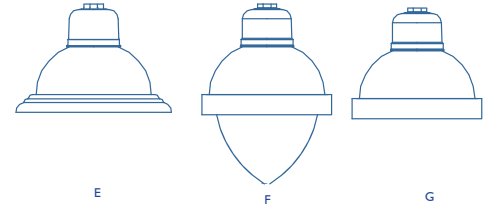
CR3	=	Type III
CR4	=	Type IV
CN5	=	Type V

CU	=	Powder Coat
CW	=	Custom Wet Paint
BG	=	Bottle Green
CB	=	Classic Black
DB	=	Dark Bronze
GI	=	Gray Iron
LB	=	Long Beach Blue



ORDERING INFORMATION

BUILDING A PART NUMBER



Style	Lamping	Voltage	Number of Boards	Color Temperature	Optics	Globe	Finish
ALMETN	LE100	EV1	X2	45	CR3	GPLO	CU

ALMETN	= E	Exton
ALMGCP	= F	Grand Central
ALMGCP	= G	Grand Central

LE020	= 20 W
LE030	= 30 W
LE040	= 40 W
LE060	= 60 W
LE065	= 65 W
LE080	= 80 W
LE095	= 95 W
LE100	= 100 W
LE120	= 120 W
LE125	= 125 W
LE155	= 155 W
LE185	= 185 W
LE200	= 200 W
*custom available	

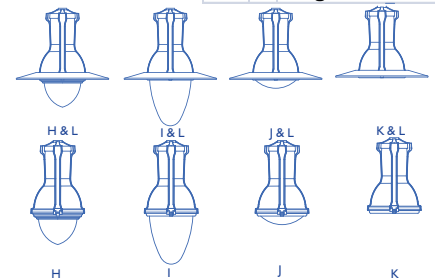
120 V	= EV1
208 V	= EV8
240 V	= EV2
277 V	= EV7
480 V	= EV4

CR3	= Type III
CR4	= Type IV
CN5	= Type V

22	= 2200 K
30	= 3000 K
40	= 4000 K
45	= 4500 K
60	= 6000 K

GPLO	= Glass Flat Lens
YGCO	= Acrylic
PGCO	= Teardrop

CU	= Powder Coat
CW	= Custom Wet Paint
BG	= Bottle Green
CB	= Classic Black
DB	= Dark Bronze
GI	= Gray Iron
LB	= Long Beach Blue



ORDERING INFORMATION

BUILDING A PART NUMBER

Style	Lamping	Voltage	Number of Boards	Color Temperature	Optics	Globe	VAC	Modifier	Finish
ALMCLU	LE100	EV1	X2	45	CR3	GPLO	LACLH	M6*	CU

Columbia

LE020	= 20 W
LE030	= 30 W
LE040	= 40 W
LE060	= 60 W
LE065	= 65 W
LE080	= 80 W
LE095	= 95 W
LE100	= 100 W
LE120	= 120 W
LE125	= 125 W
LE155	= 155 W
LE185	= 185 W
LE200	= 200 W
*custom available	

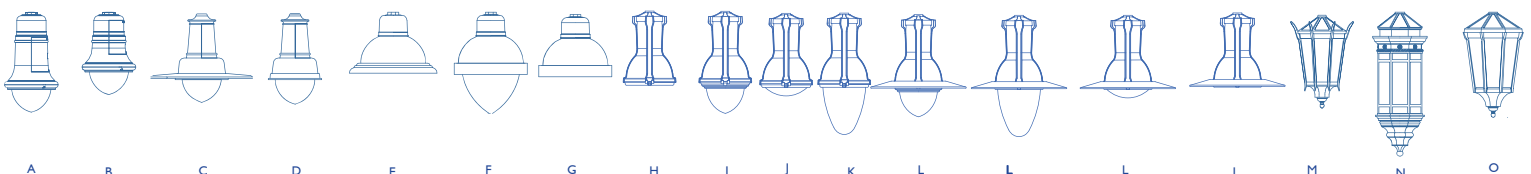
120 V	= EV1
208 V	= EV8
240 V	= EV2
277 V	= EV7
480 V	= EV4

22	= 2200 K
30	= 3000 K
40	= 4000 K
45	= 4500 K
60	= 6000 K

CR3	= Type III
CR4	= Type IV
CN5	= Type V
GPLO	= K Glass Flat Lens
GS10	= H 110 Stippled Glass
YSLF	= J Sag Frosted
YLC3	= I 140 Acrylic
PLC3	= I 140 Polycarbonate
GRI4	= I 140 Ribbed Glass

L M6	= Shade
------	---------

CU	= Powder Coat
CW	= Custom Wet Paint
BG	= Bottle Green
CB	= Classic Black
DB	= Dark Bronze
GI	= Gray Iron
LB	= Long Beach Blue



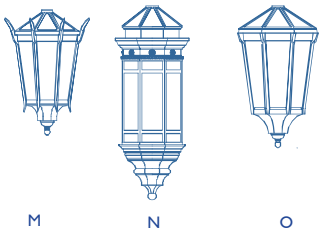
Pendant Options

For additional size information
please visit www.springcity.com

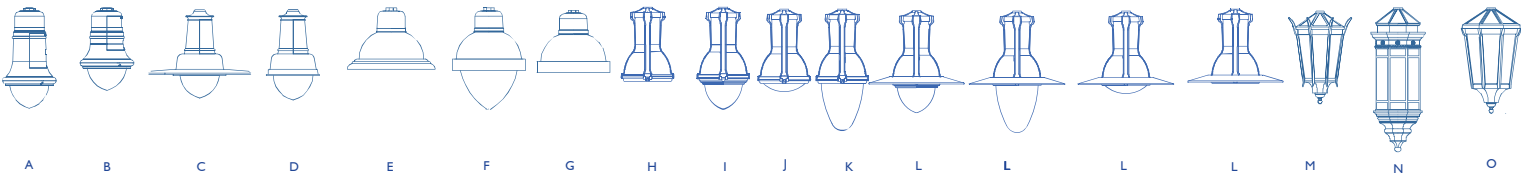


ORDERING INFORMATION

BUILDING A PART NUMBER



Style	Lamping	Voltage	Number of Boards	Color Temperature	Optics	Panel Material	Panel Type	Finial	Finish
ALMEDM	LE100	EVI	X2	45	CR3	P	SDP	CP	CU
ALMEDM = M Edgewater	LE020 = 20 W	120 V = EV1	X2 = 2 boards	22 = 2200 K		PLO = Clear			
ALMHRB = N Harrisburg Baltimore	LE030 = 30 W	208 V = EV8	X5 = 5 boards	30 = 3000 K		PLF = Fully Frosted			
ALMWMM = O William and Mary	LE040 = 40 W	240 V = EV2		40 = 4000 K		PBP = Pebbled			
	LE060 = 60 W	277 V = EV7		45 = 4500 K		SDP = Seeded			
	LE065 = 65 W	480 V = EV4		60 = 6000 K		STP = Stippled			
	LE080 = 80 W					WHP = White			
	LE095 = 95 W					XXX = Custom			
	LE100 = 100 W								
	LE120 = 120 W								
	LE125 = 125 W								
	LE155 = 155 W								
	LE185 = 185 W								
	LE200 = 200 W								
	*custom available								
			CR3 = Type III			P = Polycarbonate			
			CR4 = Type IV			Y = Acrylic			
			CN5 = Type V						
									CU = Powder Coat
									CW = Custom Wet Paint
									BG = Bottle Green
									CB = Classic Black
									DB = Dark Bronze
									GI = Gray Iron
									LB = Long Beach Blue



Pendant Options

For additional size information
please visit www.springcity.com



Specification Sheet

Phaeton Series LED Square Garage Fixture

Product Features

- Architecturally attractive and modern design
- High Efficacy - 135 lumens/Watt
- Lower operating costs with Xi-Fi Wireless Lighting Control System
- Integrated microwave occupancy sensor and photocell for daylight harvesting
- IP65 Rated
- Complies with IESNA requirements
- Optional external waterproof battery pack
- 10-Year Limited Warranty

SPECIFICATIONS

POWER FACTOR	>0.95
VOLTAGE	100 – 277 VAC
SURGE PROTECTION	5 KV. (higher upon request)
LUMINOUS FLUX	40W Units = >5,385 and 75W Units >10,079
CRI	>80
EFFICACY	>135 lm/W
DIMMING	0 – 10 Volt Continuous
MATERIAL	Powder Coated Aluminum
IP	IP65
CERTIFICATIONS	ETL / FCC / RoHS
WORKING TEMP.	- 40° F to + 130° F
STORAGE TEMP.	- 40° F to + 185° F
OPERATING LIFE	L70 >78,000 hours at 58° C



Product Configurator

Product Code	Style	Size	Watts*	CCT	Voltage	Dimming	IP Rating	Mounting
XB	PG	14	40W	40K=4000°K	U=100-277 VAC	Y=YES	65	C = Ceiling
			75W	50K=5000°K				CAN = Canopy

*Driver wattage adjustable upon ordering

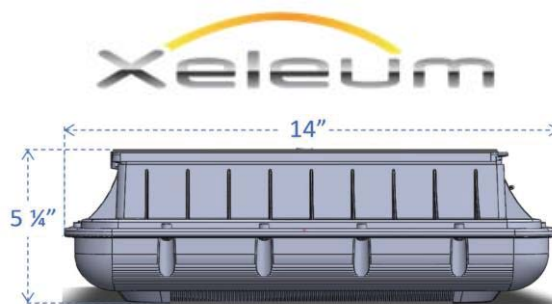
**Step down transformer can be supplied for 480VAC (P/N: EC-013-2N-126)



Phaeton Series LED Square Garage Fixture

Applications

- Garages
- Tunnels
- Canopy Areas
- Entrances to Buildings
- Covered Roadways



Fixture Weight = 10 1/2 lbs.

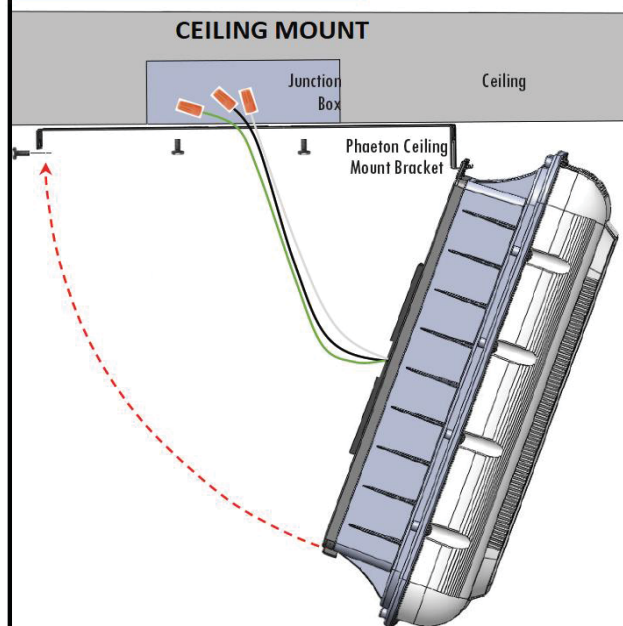
Packaged Weight = 12 lbs.

Packaged Dimensions = 18" X 18" X 9 1/4"

ORDERING INFORMATION

PART NUMBER	MAX POWER	COLOR TEMP	LUMEN OUTPUT
XBPG14-4040UY65CANC	40 W	4000° K	5,385 lm
XBPG14-4050UY65CANC		5000° K	5,481 lm
XBPG14-7540UY65CANC	75 W	4000° K	10,079 lm
XBPG14-7550UY65CANC		5000° K	10,379 lm
XBPG14-4040UY65CANC	40 W	4000° K	5,385 lm
XBPG14-4050UY65CANC		5000° K	5,481 lm
XBPG14-7540UY65CANC	75 W	4000° K	10,079 lm
XBPG14-7550UY65CANC		5000° K	10,379 lm

INSTALLATION OPTIONS



PENDANT MOUNT



DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated.

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Choice of 16 patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 6000K CCT and 3000K CCT. For the ultimate level of spill light control, an optional house side shield accessory can

be field or factory installed. The house side shield is designed to seamlessly integrate with the SL2, SL3, SL4 or AFL optics.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Standard with 0-10V dimming. Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

Mounting

Extruded aluminum arm includes internal bolt guides allowing for

easy positioning of fixture during assembly. Designed for pole or wall mounting. When mounting two or more luminaires at 90° or 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table on page 3. For wall mounting, specify wall mount bracket option. 3G vibration rated.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.



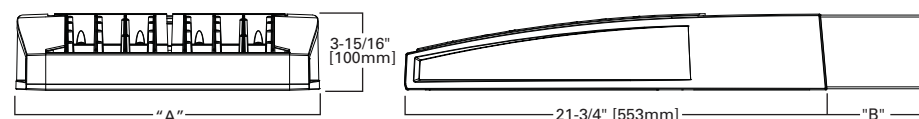
GLEON GALLEON LED

1-10 Light Squares
Solid State LED

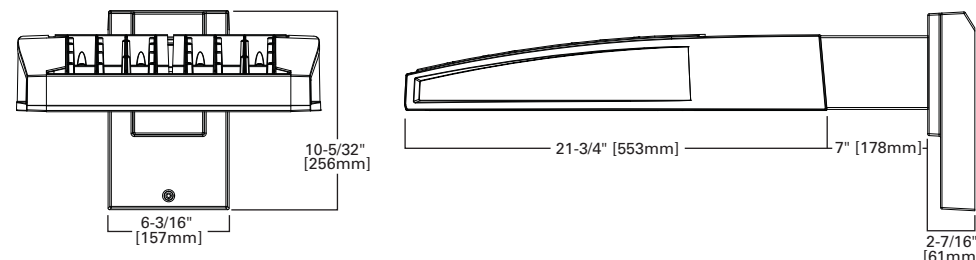
AREA/SITE LUMINAIRE

DIMENSIONS

POLE MOUNT



WALL MOUNT



DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

Cooper Lighting

by F.T.N



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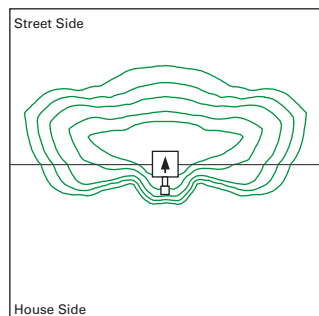
CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
ARRA Compliant
IP66 Rated

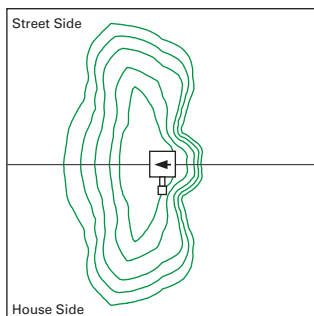
ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

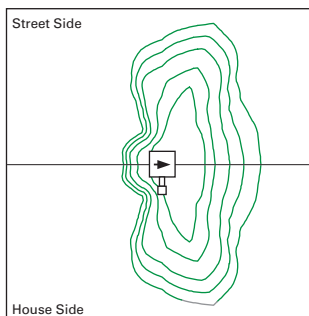
OPTIC ORIENTATION



Standard

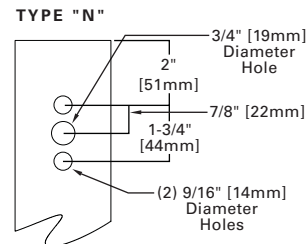


Optics Rotated Left @ 90° [L90]



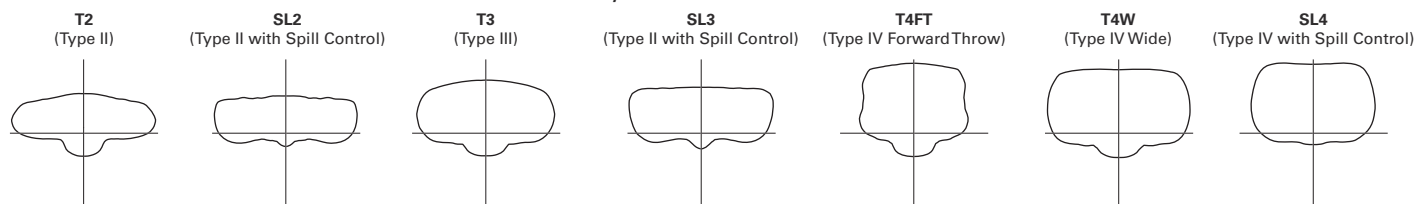
Optics Rotated Right @ 90° [R90]

DRILLING PATTERN

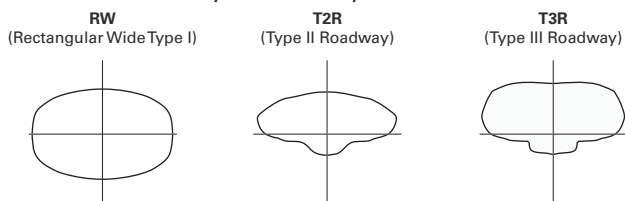


OPTICAL DISTRIBUTIONS

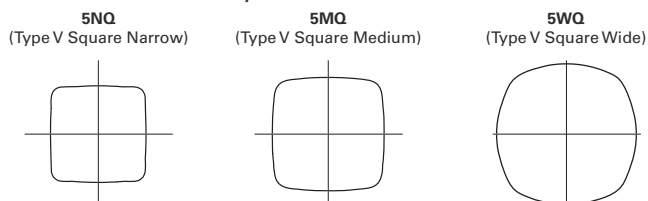
Asymmetric Area Distributions



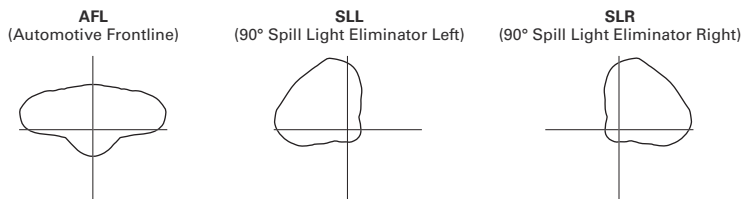
Asymmetric Roadway Distributions



Symmetric Distributions

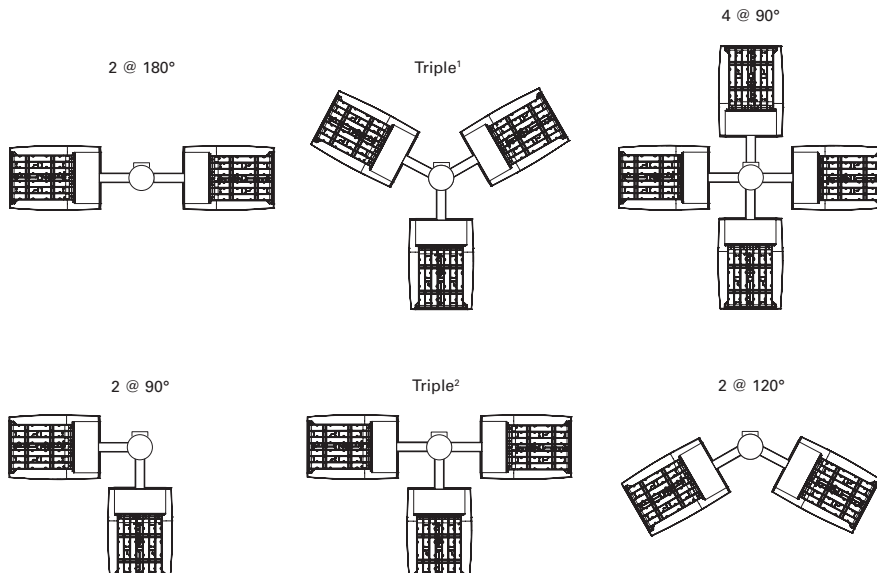


Specialized Distributions



ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AE-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AE-10	16" Extended Arm (Required)	16" Extended Arm (Required)



NOMINAL POWER AND LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Drive Current		1A	1A	1A	1A	1A	1A	1A	1A	1A	1A
Nominal Power (Watts)		56	107	157	213	264	315	370	421	475	528
Input Current @ 120V (A)		0.47	0.90	1.31	1.79	2.21	2.64	3.09	3.51	3.96	4.41
Input Current @ 208V (A)		0.28	0.51	0.74	1.02	1.25	1.48	1.76	1.99	2.22	2.50
Input Current @ 240V (A)		0.25	0.45	0.65	0.90	1.10	1.30	1.55	1.75	1.95	2.20
Input Current @ 277V (A)		0.23	0.41	0.59	0.82	1.00	1.18	1.41	1.59	1.77	2.00
Optics											
T2	Lumens	5,272	10,303	15,373	20,313	25,168	30,118	35,618	40,357	45,018	49,842
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T2R	Lumens	5,597	10,938	16,321	21,565	26,719	31,974	37,813	42,844	47,792	52,914
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5
T3	Lumens	5,374	10,501	15,669	20,704	25,652	30,697	36,303	41,134	45,884	50,802
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	Lumens	5,493	10,735	16,017	21,164	26,222	31,379	37,110	42,048	46,904	51,930
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	Lumens	5,405	10,562	15,760	20,824	25,801	30,875	36,514	41,372	46,150	51,096
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	5,335	10,426	15,556	20,555	25,468	30,476	36,042	40,838	45,554	50,436
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	Lumens	5,263	10,285	15,347	20,278	25,124	30,066	35,556	40,288	44,940	49,756
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL3	Lumens	5,373	10,500	15,667	20,701	25,649	30,693	36,298	41,128	45,878	50,794
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	Lumens	5,105	9,976	14,886	19,669	24,370	29,163	34,488	39,078	43,591	48,262
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	Lumens	5,542	10,830	16,160	21,352	26,455	31,658	37,439	42,421	47,320	52,392
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
5MQ	Lumens	5,644	11,029	16,457	21,745	26,942	32,241	38,128	43,202	48,191	53,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
5WQ	Lumens	5,659	11,059	16,501	21,803	27,014	32,327	38,230	43,317	48,320	53,498
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	Lumens	4,722	9,227	13,767	18,191	22,539	26,971	31,897	36,141	40,315	44,635
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	Lumens	5,492	10,732	16,014	21,159	26,216	31,372	37,101	42,038	46,893	51,918
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
AFL	Lumens	5,512	10,771	16,072	21,236	26,311	31,486	37,236	42,191	47,063	52,107
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4

* Nominal data for 4000K CCT.

NOMINAL POWER AND LUMENS (700MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Drive Current		700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA
Nominal Power (Watts)		38	72	105	138	176	210	243	276	314	348
Input Current @ 120V (A)		0.32	0.59	0.86	1.14	1.45	1.72	2	2.28	2.58	2.86
Input Current @ 208V (A)		0.21	0.36	0.51	0.67	0.87	1.02	1.18	1.34	1.53	1.69
Input Current @ 240V (A)		0.19	0.32	0.45	0.59	0.77	0.90	1.04	1.18	1.35	1.49
Input Current @ 277V (A)		0.20	0.29	0.40	0.51	0.69	0.80	0.91	1.02	1.20	1.31
Optics											
T2	Lumens	3,854	7,531	11,237	14,847	18,395	22,013	26,033	29,497	32,904	36,430
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	Lumens	4,091	7,995	11,929	15,762	19,529	23,370	27,638	31,316	34,932	38,676
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	Lumens	3,928	7,676	11,453	15,133	18,750	22,437	26,534	30,065	33,537	37,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	Lumens	4,015	7,846	11,707	15,469	19,166	22,936	27,124	30,733	34,283	37,957
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	Lumens	3,951	7,720	11,519	15,221	18,858	22,567	26,688	30,240	33,732	37,347
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	3,900	7,620	11,370	15,024	18,615	22,276	26,343	29,849	33,296	36,864
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	Lumens	3,847	7,518	11,217	14,821	18,364	21,975	25,988	29,447	32,847	36,368
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	Lumens	3,927	7,675	11,451	15,131	18,747	22,434	26,531	30,061	33,533	37,126
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	Lumens	3,731	7,292	10,880	14,376	17,812	21,315	25,208	28,562	31,861	35,275
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	Lumens	4,051	7,916	11,811	15,606	19,336	23,139	27,365	31,006	34,587	38,294
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	Lumens	4,125	8,062	12,029	15,894	19,692	23,565	27,869	31,577	35,224	38,999
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5WQ	Lumens	4,136	8,083	12,061	15,936	19,745	23,628	27,943	31,661	35,318	39,103
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	3,451	6,744	10,063	13,296	16,474	19,714	23,314	26,416	29,467	32,625
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	Lumens	4,014	7,844	11,704	15,465	19,162	22,930	27,118	30,726	34,274	37,948
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	Lumens	4,029	7,873	11,747	15,522	19,231	23,014	27,216	30,838	34,399	38,086
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 4000K CCT.

NOMINAL POWER AND LUMENS (530MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Drive Current		530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA
Nominal Power (Watts)		30	54	80	105	130	159	184	209	234	259
Input Current @ 120V (A)		0.25	0.45	0.66	0.86	1.07	1.32	1.52	1.72	1.93	2.14
Input Current @ 208V (A)		0.17	0.28	0.39	0.51	0.63	0.78	0.9	1.02	1.14	1.26
Input Current @ 240V (A)		0.17	0.25	0.35	0.45	0.55	0.70	0.80	0.90	1.00	1.10
Input Current @ 277V (A)		0.19	0.24	0.32	0.40	0.49	0.64	0.72	0.80	0.89	0.98
Optics											
T2	Lumens	3,079	6,017	8,978	11,862	14,697	17,588	20,800	23,567	26,289	29,106
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T2R	Lumens	3,269	6,388	9,531	12,593	15,603	18,672	22,082	25,020	27,909	30,900
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
T3	Lumens	3,138	6,133	9,150	12,091	14,980	17,926	21,200	24,021	26,795	29,667
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3R	Lumens	3,208	6,269	9,354	12,359	15,313	18,325	21,671	24,555	27,390	30,326
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T4FT	Lumens	3,156	6,168	9,203	12,161	15,067	18,030	21,323	24,160	26,950	29,839
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T4W	Lumens	3,116	6,088	9,084	12,004	14,872	17,797	21,047	23,848	26,602	29,453
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL2	Lumens	3,074	6,006	8,962	11,842	14,672	17,558	20,764	23,527	26,244	29,056
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL3	Lumens	3,138	6,132	9,149	12,089	14,978	17,924	21,197	24,018	26,791	29,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL4	Lumens	2,981	5,826	8,693	11,486	14,231	17,030	20,140	22,820	25,456	28,184
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5
5NQ	Lumens	3,236	6,324	9,437	12,469	15,449	18,487	21,863	24,773	27,634	30,595
	BUG Rating	B1-U0-G0	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
5MQ	Lumens	3,296	6,441	9,610	12,698	15,733	18,828	22,266	25,229	28,142	31,158
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5WQ	Lumens	3,305	6,458	9,636	12,732	15,775	18,878	22,325	25,296	28,217	31,241
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	2,757	5,388	8,040	10,623	13,162	15,751	18,627	21,105	23,543	26,066
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4
RW	Lumens	3,207	6,267	9,351	12,356	15,309	18,320	21,666	24,549	27,384	30,319
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
AFL	Lumens	3,219	6,290	9,385	12,401	15,365	18,387	21,745	24,638	27,484	30,429
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

* Nominal data for 4000K CCT.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

ORDERING INFORMATION

Sample Number: GLEON-AE-04-LED-E1-T3-GM-700

Product Family	Light Engine	Number of Light Squares ¹	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AE=1A Drive Current	01=1 02=2 03=3 04=4 05=5 06=6 07=7 08=8 09=9 10=10	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ² 480=480V ²	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ³ MA=Mast Arm Adapter ⁴ WM=Wall Mount
Options (Add as Suffix)					Accessories (Order Separately)		
2L=Two Circuits ^{5,6} 7030=70 CRI 3000K ⁷ 7060=70 CRI 6000K ⁷ 530=Drive Current Factory Set to 530mA ⁸ 700=Drive Current Factory Set to 700mA ⁸ P=Button Type Photocontrol (120, 208, 240 or 277V) R=NEMA Twistlock Photocontrol Receptacle HA=50°C High Ambient ⁶ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{9, 10, 11, 12} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{9, 10, 11, 12} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{9, 10, 11, 12} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{11, 12, 13, 14} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{10, 11, 14} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{10, 11, 14} DIMRF-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ¹³ DIMRF-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ¹³ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing HSS=Factory Installed House Side Shield ¹⁵					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁶ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares LS/HSS=Field Installed House Side Shield ^{15, 17}		

Notes:

1. Standard 4000K CCT and minimum 70 CRI.

2. LumaWatt Wireless Sensors not currently available for 347V or 480V applications.

3. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.

4. Factory installed.

5. Only available in 5-10 Light Squares.

6. Not available with LumaWatt wireless sensors.

7. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.

8. 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Navion luminaire product page on the website.

9. Must specify dimming driver. Consult factory for more information.

10. 120V or 277V 60Hz and 230V 50Hz only. Replace E1 with specific voltage. Consult factory for availability in 347V and 480V.

11. The FSIR-100 accessory is required to adjust parameters.

12. Not available with HA option.

13. LumaWatt wireless sensors are factory installed only requiring network components RF-EM1, RF-GW1 and RF-ROUT1 in appropriate quantities. See www.cooperlighting.com for LumaWatt application information.

14. Sensor mounted externally. Available in 2, 3, 4, or 6 Light Square configurations. Replace "X" with number of Light Squares in low output mode. For ON/OFF operation, replace "X" with "0". Maximum two Light Squares in low output mode. Not available with dimming driver. No terminal block with bi-level operation.

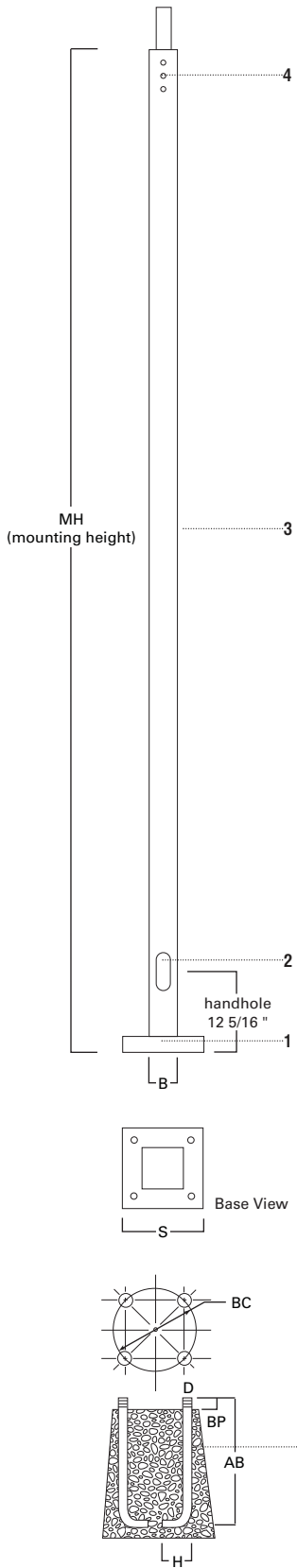
15. Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.

16. This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your Eaton's Cooper Lighting business representative for additional details.

17. One required for each Light Square.

SSS SQUARE STRAIGHT STEEL

10'—39' MOUNTING HEIGHT



SPECIFICATION FEATURES

- 1...ASTM Grade steel base plate with ASTM A366 base cover.
- 2...Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole.
- 3...ASTM A500 grade "B" steel shaft. Shot blasted and painted with polyester powder coat.
- 4...Drilled or Tenon (specify).
- 5...Anchor bolt per ASTM A576 with (2) nuts, (2) flat washer, and (1) lock washer. Nuts, washers and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

FOUR BOLT ANCHORAGE [See ordering information]

- BC=Bolt Circle
- BP=Bolt Projection
- AB=Bolt Dimensions
- D=Bolt Diameter
- H=Bolt Dimensions

FINISH COLORS [See ordering information]

- F=Dark Bronze
- G=Galvanized
- V=Grey
- W=White
- Y=Black

WARNING: THE USE OF UNAUTHORIZED ACCESSORIES SUCH AS BANNERS, SIGNS OR PENNANTS FOR WHICH THE POLE WAS NOT DESIGNED FOR VOIDS THE COOPER LIGHTING WARRANTY AND MAY RESULT IN POLE FAILURE CAUSING SERIOUS INJURY OR PROPERTY DAMAGE. COOPER LIGHTING'S POLE WARRANTY IS ALSO VOIDED IF LUMINAIRE IS NOT INSTALLED AT TIME OF POLE INSTALLATION.

ORDERING INFORMATION

SAMPLE NUMBER: SSS5A20SFM1XG

Square	Straight	Steel	Shaft ³ Size	Wall Thickness	Mounting Height (ft.)	Base Type	Finish	Fixture Mounting & Type	No. & Location of Arms	Arm Lengths	Accessories (Ground Lug)
S	S	S	5	A	20	S	F	M	1	X	G

Mtg. Height	Catalog ^{1,2} Number	Wall Thickness	Base Square (In.)	Bolt Circle Dia. (In.)	Bolt Proj. (In.)	Shaft Size (In.)	Anchor Bolt Dia. & Length (In.)	Net. Wt. (Lbs.)	EPA (Sq. Ft.) ⁴ At Pole Top			EPA (Sq. Ft.) ⁴ 2' Above Pole Top			Load—Include Top Bracket (Lbs.)		Max. Fixture Bracket (Lbs.)
MH			S	BC	BP	B	AB		70	80	90	100	70	80	90	100	
10	SSS4A10SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	96	39.8	29.9	23.2	18.4	33.0	24.8	19.3	15.3	150
15	SSS4A15SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	133	19.6	14.4	10.8	8.2	17.2	12.7	9.5	7.3	150
20	SSS4A20SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	152	12.9	9.1	6.5	4.6	11.7	8.2	5.9	4.2	200
25	SSS4A25SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	208	8.7	5.6	3.6	2.1	8.0	5.2	3.3	2.0	200
20	SSS5A20SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	202	21.9	15.7	11.6	8.5	19.9	14.3	10.5	7.7	200
25	SSS5A25SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	248	15.5	10.5	7.2	4.8	14.3	9.8	6.6	4.4	200
30	SSS5A30SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	293	8.2	4.6	2.1	--	7.7	4.3	2.0	--	300
35	SSS5M35SF	.188	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	480	11.8	7.1	3.8	1.5	11.1	6.6	3.6	1.4	300
25	SSS6A25SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	295	24.1	16.8	12.0	8.5	22.2	15.6	11.1	7.8	200
30	SSS6A30SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	347	14.0	8.7	5.0	2.5	13.1	8.2	4.7	2.3	300
30	SSS6M30SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	505	26.4	18.1	12.5	8.4	24.7	16.9	11.6	7.9	300
35	SSS6M35SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	584	19.7	12.7	7.9	4.4	18.6	12.0	7.5	4.2	300
35	SSS6X35SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	696	28.9	19.7	13.4	8.9	8.7	18.6	12.7	8.4	300
39	SSS6M39SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	647	15.4	9.1	4.8	1.8	14.6	8.7	4.6	1.7	300
39	SSS6X39SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	822	23.5	15.4	9.8	5.7	22.4	14.6	9.3	5.4	300

NOTES: 1 Catalog number includes pole with anchor bolts with double nuts (BEFORE INSTALLING ANCHOR BOLTS MAKE SURE PROPER ANCHOR BOLT TEMPLATE IS OBTAINED FROM COOPER LIGHTING).

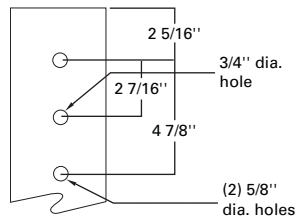
2 Tenon size or machining for rectangular arms must be specified. Hand hole is located 180° from single arm.

3 Shaft size, base plate, anchor bolts and projections may vary slightly—all dimensions nominal.

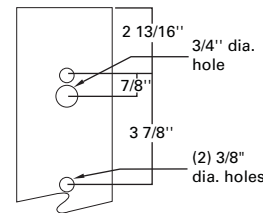
4 EPA's based on shaft properties with wind normal to flat. EPA's calculated using base wind velocity as indicated plus 30% gust factor.

DRILLING PATTERN

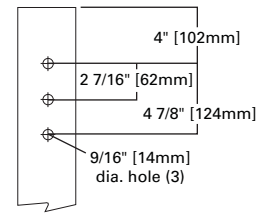
Type "M" [RCL, Landau, Galleria and Vision]



Type "E" [Concourse III]



Type "Z" [Credenza and Cirrus]



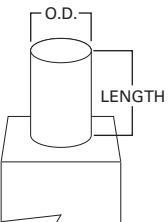
MACHINING FOR RECTANGULAR ARMS [Add as suffix]

Designation Letter & Number	Designation Letter & Number	Designation Letter & Number	Quantity & Location
M1	E1	Z1	Single
M2	E2	Z2	2 @ 180°
M3	E3	Z3	3 @ 120°
M4	E4	Z4	4 @ 90°
M5	E5	Z5	2 @ 90°
M6	E6	Z6	3 @ 90°
M7	E7	Z7	2 @ 120°

NOTES: Refer to Fixture Drilling Options on page 160.

MOUNTING OPTIONS [Add as suffix]

Fixed Tenon	Designation Number	O.D. (In.)	Length (In.)
	1	2 3/8	3 1/2
	2	2 3/8	4
	3	3 1/2	5
	9	3	4



ACCESSORIES

A=1/2" tapped hub¹B=3/4" tapped hub¹C=Convenience outlet²

G=Grounding lug (max. wire #8 AWG)

H=Additional hand hole and cover—
12" below pole top—90° from hand hole.

NOTES: 1 Location is 3' above base—90° from hand hole.

2 Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only.

NOTE: Specifications and dimensions subject to change without notice.

DESCRIPTION

The TopTier™ parking garage, canopy and low-bay luminaire is an innovative solution that delivers an unparalleled combination of performance and visual comfort. The patented WaveStream™ optical technology blocks the line of sight from the LED light sources to the observer, while extracting the maximum amount of light on task. This approach results in a high level of uniformity and vertical footcandles that enhances safety in the application environment. The TopTier luminaire is UL/cUL listed for wet locations, IP66 and 3G vibration rated.

SPECIFICATION FEATURES

Construction

One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

Optics

Unique optical distributions are accomplished using various combinations of reflective backing plates and WaveStream optical technology. The optical Waveguide is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely prescribed distribution. For the ultimate level of glare control and visual comfort, specify the SG option which adds a Solite® glass lens that works in combination with the Waveguide lens and reflective backing plate. Offered standard in 4000K (+/- 275K) CCT, optional 3000K and 6000K. Minimum 70 CRI.

Electrical

LED driver(s) are mounted to metal electrical tray for optimal thermal performance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Standard with 0-10V dimming driver(s), specify 5LTD for Fifth Light DALI driver(s). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. Greater than 90% lumen maintenance expected at 60,000 hours, based off LM-80 test data and TM-21. Suitable for ambient temperature applications from -40°C (-40°F) to 40°C (104°F). For 50°C (122°F) applications, specify the HA high ambient option. IP66 rated against the ingress of dust and water.

Mounting

Standard fixture mounts to a square or octagonal 4" surface or recessed j-box via heavy-gauge quick mount bracket. With the addition of a field supplied wet location j-box, the luminaire can be pendant mounted to a rigid or free swinging pendant. Optional mounting methods include trunnion mount and wall mount.

Finish

Housing finished in white Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include black, bronze, grey, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.

Catalog #		Type
Project		
Comments		Date
Prepared by		



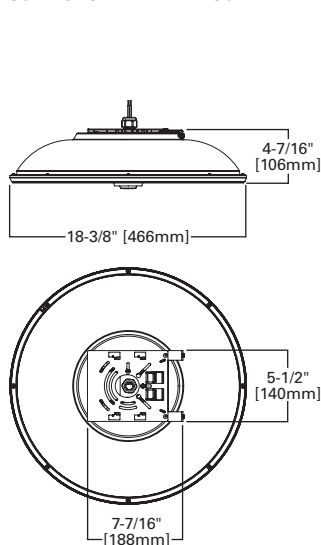
TT TOPTIER LED

Solid State LED

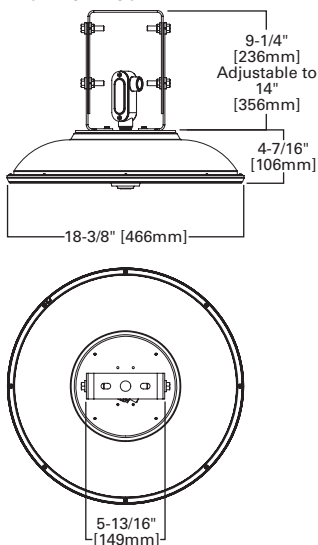
**PARKING GARAGE/
CANOPY/
LOW-BAY LUMINAIRE**

DIMENSIONS

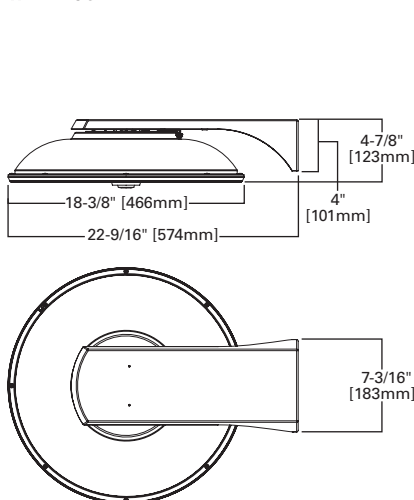
SURFACE OR PENDANT MOUNT



TRUNNION MOUNT



WALL MOUNT



CERTIFICATION DATA

UL/cUL Wet Location Listed
3G Vibration Rated
LM79 / LM80 Compliant
IP66 Rated
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA

Approximate Net Weight:
16 lbs. (7.2 kgs.)



POWER AND LUMENS

Lumen Package			B1	B2	B3	B4	B5	B6
Power (Wattage)			28	34	45	58	77	108
Current @ 120V (A)			0.63	0.31	0.41	0.52	0.69	0.95
Current @ 277V (A)			0.13	0.14	0.19	0.24	0.30	0.41
3000K CCT	Lumens	CQ Concentrated	2,933	3,631	4,613	5,518	7,272	9,438
	Lumens per Watt		105	107	103	95	94	87
	BUG Rating		B1-U0-G1	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1
	Lumens	MQ Medium	2,890	3,577	4,545	5,436	7,165	9,298
	Lumens per Watt		103	105	101	94	93	86
	BUG Rating		B2-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2
	Lumens	WQ Wide	2,670	3,305	4,199	5,022	6,619	8,590
	Lumens per Watt		95	97	93	87	86	80
	BUG Rating		B2-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
4000K CCT	Lumens	CQ Concentrated	3,334	4,133	5,581	7,198	8,730	11,138
	Lumens per Watt		119	122	124	124	113	103
	BUG Rating		B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens	MQ Medium	3,285	4,072	5,498	7,091	8,601	10,973
	Lumens per Watt		117	120	122	122	112	102
	BUG Rating		B2-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
	Lumens	WQ Wide	3,035	3,762	5,079	6,551	7,946	10,137
	Lumens per Watt		108	111	113	113	103	94
	BUG Rating		B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
6000K CCT	Lumens	CQ Concentrated	3,390	4,104	5,701	7,157	8,672	11,369
	Lumens per Watt		121	121	127	123	113	105
	BUG Rating		B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens	MQ Medium	3,339	4,043	5,617	7,051	8,544	11,201
	Lumens per Watt		119	119	125	122	111	104
	BUG Rating		B2-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
	Lumens	WQ Wide	3,085	3,735	5,189	6,514	7,893	10,348
	Lumens per Watt		110	110	115	112	103	96
	BUG Rating		B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

NOTE: Nominal data. For configurations that include glass or occupancy sensor options refer to the specific IES files for lumen output data.

LUMEN MAINTENANCE

Ambient Temperature	Lumen Maintenance				
	25,000 Hours	50,000 Hours	60,000 Hours TM-21 Rating	100,000 Hours	Theoretical L70 (Hours) Per TM-21 Data
B1 Lumen Package					
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000
40°C	> 96%	> 94%	> 94%	> 93%	> 500,000
50°C	> 95%	> 94%	> 93%	> 93%	> 400,000
B2 Lumen Package					
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000
40°C	> 95%	> 94%	> 93%	> 91%	> 500,000
50°C	> 95%	> 93%	> 92%	> 90%	> 400,000
B3 Lumen Package					
25°C	> 96%	> 93%	> 93%	> 89%	> 300,000
40°C	> 95%	> 91%	> 90%	> 85%	> 240,000
50°C	> 95%	> 90%	> 89%	> 83%	> 200,000
B4 Lumen Package					
25°C	> 96%	> 95%	> 95%	> 93%	> 500,000
40°C	> 95%	> 92%	> 92%	> 88%	> 300,000
50°C	> 94%	> 91%	> 90%	> 85%	> 250,000
B5 Lumen Package					
25°C	> 96%	> 93%	> 92%	> 88%	> 300,000
40°C	> 94%	> 90%	> 89%	> 83%	> 200,000
B6 Lumen Package					
25°C	> 95%	> 92%	> 90%	> 86%	> 250,000
40°C	> 95%	> 92%	> 91%	> 86%	> 250,000

ORDERING INFORMATION

Sample Number: TT-B2-LED-E1-WQ-AP

Product Family ¹	Lumen Package	Lamp Type	Voltage	Distribution	Mounting	Color
TT=TopTier	B1 =Nominal 3,000 Lumens B2 =Nominal 4,000 Lumens B3 =Nominal 5,000 Lumens B4 =Nominal 7,000 Lumens B5 =Nominal 9,000 Lumens ^{2,3,4} B6 =Nominal 11,000 Lumens ^{2,3,4}	LED =Solid State Light Emitting Diodes	E1 =Electrical (120-277V) ⁵ 347 =347V 480 =480V ⁶	CQ =Concentrated MQ =Medium WQ =Wide	[BLANK] =Surface or Pendant Mount TMB =Trunnion Mount with Connection Box WM =Wall Mount	[BLANK] =White AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic
Options (Add as Suffix)				Accessories (Order Separately)		
7060 =70 CRI / 6000K ⁷ 8030 =80 CRI / 3000K ⁷ 30L =Extra Long 30" Wires ⁸ HA =50°C High Ambient ^{2,9} CG =Clear Glass ¹⁰ SG =Solite [®] Glass ¹¹ TR =Tamper Resistant Hardware X =Driver Surge Protection Only 5LTD =Fifth Light DALI Driver(s) ^{5, 7, 8, 12, 13} IBP =Integral Battery Pack (Specify 120V or 277V. Must Specify Voltage) ^{3,9} ICP =Integral Cold Weather Battery Pack (Specify 120V or 277V. Must Specify Voltage) ^{4,9} MSP/DIM-L12 =Mini Dimming Occupancy Sensor (8' - 12' Mounting) ¹⁴ MSP/DIM-L30 =Mini Dimming Occupancy Sensor (12' - 30' Mounting) ¹⁴ DOS =Dimming Occupancy Sensor (8' - 20' Mounting) ¹⁵ DIMRF-LW =LumaWatt Wireless Sensor, Wide Lens (8' - 16' Mounting) ¹⁶ DIMRF-LN =LumaWatt Wireless Sensor, Narrow Lens (16' - 40' Mounting) ¹⁶				FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ¹⁵ MA1252 =10kV Circuit Module Replacement		

- NOTES:**
- DesignLights Consortium[®] Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 - The B5 and B6 lumen packages are not available with the HA high ambient option.
 - The IBP option is only available in 120V or 277V, must specify voltage. 0°C minimum, 25°C maximum ambient temperature. Not available with B6 lumen package.
 - The ICP option is only available in 120V or 277V, must specify voltage. -20°C minimum, 25°C maximum ambient temperature. Not available with B6 lumen package.
 - Replace E1 with specific voltage when selecting the 5LTD option (120, 208, 240 or 277V).
 - Not to be used with un-grounded systems.
 - Extended lead times apply.
 - Not available with WM or TMB mounting options.
 - The 5LTD, IBP and ICP options are not available with dimming (DIM, DOS, DIMRF-LN or DIMRF-LW) or the HA high ambient option.
 - CG clear glass option only available with MQ and WQ distributions.
 - SG (Solite[®] glass) – Included as standard with the CQ distribution. Only available with WQ distribution.
 - Not available in combination with the IBP and ICP options.
 - Multiply published IES files by .95 when 5LTD is used with the B5 or B6 lumen package.
 - Available to order in April 2015.
 - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your Eaton's Cooper Lighting business representative for more information.
 - DIMRF-LN and DIMRF-LW are not available in 347 or 480V.